HAMPTON ROADS
CONGESTION MANAGEMENT PROCESS

PART II – SYSTEM PERFORMANCE

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PREPARED BY:

the heartbeat of HAMPTON ROADS TPO
TRANSPORTATION PLANNING ORGANIZATION

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TITLE:
Hampton Roads Congestion Management Process:
System Performance and Mitigation Report
Part II – System Performance

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ABSTRACT

As the federally designated Metropolitan Planning Organization (MPO) for the Hampton Roads region, the Hampton Roads Transportation Planning Organization (HRTPO) is required by federal legislation to develop and implement a Congestion Management Process (CMP) as an integrated part of the metropolitan transportation planning process. The Hampton Roads CMP is an on-going systematic process for managing congestion that provides information and analysis on multimodal transportation system performance and on strategies to alleviate congestion and enhance the mobility of persons and goods regionwide. During this process, HRTPO works with many stakeholders to develop these strategies and mobility options.

This Congestion Management Process Report is being released in three parts. This report – Part II – highlights System Performance. Part I of the study included the Introduction and information on System Monitoring, and Part III will detail Congestion Mitigation strategies.

ACKNOWLEDGMENTS

Prepared in cooperation with the U.S. Department of Transportation (USDOT), Federal Highway Administration (FHWA), and Virginia Department of Transportation (VDOT). The contents of this report reflect the views of the Hampton Roads Transportation Planning Organization (HRTPO). The HRTPO is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, VDOT or Hampton Roads Planning District Commission. This report does not constitute a standard, specification, or regulation. FHWA or VDOT acceptance of this report as evidence of fulfillment of the objectives of this planning study does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

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INTRODUCTION

As the federally-designated Metropolitan Planning Organization (MPO) for the Hampton Roads region, the Hampton Roads Transportation Planning Organization (HRTPO) develops and implements a Congestion Management Process (CMP) as an integrated part of the metropolitan transportation planning process. The Hampton Roads CMP is an on-going systematic process for managing congestion that provides information and analysis on multimodal transportation system performance and on strategies to alleviate congestion and enhance the mobility of persons and goods regionwide. During this process, HRTPO works with many stakeholders to develop these strategies and mobility options.

This Congestion Management Process Report is being released in three parts. Part I of the study included the Introduction and focused on information related to System Monitoring. This report – Part II – highlights System Performance, and Part III will detail Congestion Mitigation strategies. More information on what is included in each of the three parts of the 2020 Congestion Management Process Report is shown in the box to the right.

As described in the CMP Elements section of Part I of this report, the Federal Highway Administration (FHWA) noted eight elements, or actions, that are common in successful CMPs. These actions include:

1. **Develop regional objectives for congestion management**
2. **Define the CMP network**
3. **Develop multimodal performance measures**
4. **Collect data/monitor system performance**
5. **Analyze congestion problems and needs**
6. **Identify and assess strategies**
7. **Program and implement strategies**
8. **Evaluate strategy effectiveness**

All eight of these elements are included in this CMP report and are highlighted with the numbers that correspond to the particular element.

CMP REPORT CONTENTS

PART I – INTRODUCTION AND SYSTEM MONITORING

1) **INTRODUCTION** – Contains information on Performance Management and Performance-Based Planning and Programming, the elements of a CMP, CMP goals and objectives, and how the CMP is incorporated into the regional transportation planning process.

2) **SYSTEM MONITORING** – Contains information on HRTPO's system monitoring efforts including the State of Transportation report, Annual Roadway Performance report, and regional performance measures and target setting. This section also includes information on regional roadway travel and trends, traffic volumes and characteristics at major bridges and tunnels, recently completed roadway projects, and the benefits of selected projects.

PART II – SYSTEM PERFORMANCE

3) **SYSTEM PERFORMANCE** – Includes a description of the CMP roadway network and the data used in this study, and the roadway congestion analysis.

4) **RANKING OF CMP CONGESTED CORRIDORS** – Includes a ranking of congested corridors throughout the region, and a description of the criteria used to produce the rankings.

PART III – CONGESTION MITIGATION

5) **FUTURE AND ONGOING ROADWAY PROJECTS** – Describes ongoing and upcoming planned and programmed projects included in both short-term and long-term planning documents.

6) **CONGESTION MITIGATION STRATEGIES** – Describes the tools and methods that have been and can be implemented to improve congested roadways.

7) **APPLICATION OF STRATEGIES TO CMP CONGESTED CORRIDORS** – Identifies causes of congestion and recommends improvements to the highest ranked congested freeways and arterial roadways.

8) **CONCLUSIONS/NEXT STEPS**

9) **PUBLIC INVOLVEMENT** – Describes HRTPO's public involvement efforts for this study.

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SYSTEM PERFORMANCE

Part II of this Congestion Management Process report provides a thorough assessment of the current operating conditions of the Hampton Roads roadway system, particularly during peak periods of travel. The performance of roadway segments throughout the region are analyzed using travel time and speed data collected by INRIX and through a planning level analysis for roadways without this data. INRIX collects travel times and speeds on a continuous basis, which enables numerous congestion measures to be reported, such as average travel speeds, congestion duration, total delay, and travel time reliability.



Hampton Roads Bridge-Tunnel VDOT

The CMP congestion analysis is performed for the "Existing" roadway network as of the year 2018. The congestion identification analysis in this study is limited to roadway segments due to the data availability and reliability constraints of other transportation modes and facilities. The results of this analysis will enable the region to identify corridors that are experiencing severe congestion levels today and into the future.

2 CMP ROADWAY NETWORK

The roadways included in this congestion analysis are defined as the CMP Roadway Network. The CMP Roadway Network includes both 1) major roadways within the Hampton Roads Transportation Planning Organization (HRTPO) boundary, which is also referred to as the Hampton Roads Metropolitan Planning Area (MPA), and 2) major roadways in that portion of the Hampton Roads Planning District Commission (HRPDC) boundary outside of the Metropolitan Planning Area. Roadways in Surry County and the portions of the City of Franklin, Gloucester County, and Southampton County that are outside of the MPA were analyzed for this study as part of the Rural Transportation Planning Program. Although the roadways in these areas outside of the MPA were analyzed, **regional roadway and congestion statistics within this report only reflect the CMP Roadway Network within the Metropolitan Planning Area**.

The CMP Roadway Network includes all roadways in Hampton Roads that are classified as interstates, freeways or other expressways, principal arterials, and minor arterials. The CMP Roadway Network also includes several roadways classified as collectors. These collectors were chosen for inclusion in the CMP Roadway Network based on network connectivity, access to major activity centers, importance to the military, and input from localities.

A few changes were made to the CMP Roadway Network since the 2014 version of the CMP report. New roadways have been added to the network, and segment endpoints in some cases were adjusted. Existing roadways added to the CMP Roadway Network since the previous CMP update are:

- 25th Street - Huntington Avenue to Warwick Boulevard in Newport News
- Atlantic Avenue - Fort Story to 83rd Street in Virginia Beach
- Cape View Avenue - Bayview Boulevard to Ocean View Avenue in Norfolk
- Cleveland Street/Columbus Street - Witchduck Road to Independence Boulevard in Virginia Beach
- Dominion Boulevard - Cedar Road to Chesapeake Expressway in Chesapeake (this facility was converted from an arterial to a freeway)
- Semple Farm Road - Big Bethel Road to Magruder Boulevard

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The CMP Roadway Network has also expanded due to new roadways being opened and roadway widening projects being completed since the 2014 CMP report. These roadways include:

- City Center Boulevard - Warwick Boulevard to Jefferson Avenue in Newport News
- Lynnhaven Parkway - Centerville Turnpike to Indian River Road in Virginia Beach
- MLK Freeway Extension - I-264 to High Street in Portsmouth
- Nimmo Parkway - Holland Road to General Booth Boulevard in Virginia Beach
- Seaboard Road - North Landing Road to Nimmo Parkway in Virginia Beach


Monitor Merrimac Mem. Bridge-Tunnel VDOT

With these additions, the entire existing CMP Roadway Network (as of the end of 2018) is comprised of 1,608 centerline-miles and 5,521 lane-miles of roadway. Excluding areas outside of the Metropolitan Planning Area, the CMP Roadway Network includes 1,410 centerline-miles and 4,991 lane-miles of roadway, up from 1,382 centerline-miles and 4,879 lane-miles of roadway in the 2014 CMP Roadway Network.

In addition to existing facilities, major roadways that are expected to be constructed in the future are also included in the CMP Roadway Network. These roadways, which are included in the 2040 Hampton Roads Long-Range Transportation Plan, will be described in more detail in the Future and Ongoing Roadway Projects section in Part III of this report.

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4 DATA

A large amount of data is analyzed as part of this study including recent traffic volumes, roadway characteristic data, future traffic volume estimates, and historical travel time and speed data.

The traffic volume and roadway characteristic data used in this study was largely obtained from VDOT. VDOT collects vehicle count data for more than 100,000 roadway segments throughout the state – and over 8,000 locations in Hampton Roads – as part of its Traffic Monitoring Program. Data is collected on all roadways classified as minor collectors or above once every three years for a 48-hour period. Data from the years 2016-2018 was used in this study to determine the "Existing" weekday volumes.

In addition to VDOT's data, traffic volume data collected by other sources throughout the region are used in this study. The Cities of Hampton, Newport News, Suffolk, and Virginia Beach maintain traffic data collection programs. All five tunnels in the region, the South Norfolk Jordan Bridge, the Veterans Bridge, and the Chesapeake Expressway also collect volume data as part of daily operations.

For the limited number of roadways where traffic volumes were not available from these sources, daily volumes were estimated using Annual Average Daily Traffic (AADT) volumes produced by Streetlight Data, which is a data analytics firm that measures and estimates travel patterns by using over 4 trillion mobile location data points.

Existing and historical weekday traffic volumes for each roadway segment are included in **Appendix A**. HRTPO also documents traffic volume data in the *HRTPO Annual Roadway Performance Report*. This report is produced by HRTPO annually in those years when CMP reports are not published.

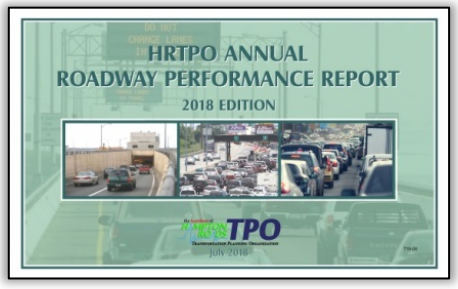
Future traffic volumes for the year 2040 were projected using the Hampton Roads Travel Demand Model. This model produces daily volumes based on projected socioeconomic conditions and the expected future roadway network. These volumes are included in the *Hampton Roads 2040 Long-Range Transportation Plan: Plan Performance* Appendix.

HRTPO staff has access to historical travel time and speed data collected by INRIX. INRIX collects travel time and speed data on a continuous basis, using millions of GPS-enabled fleet vehicles (such as service vehicles and long-haul trucks), vehicle navigation systems, mobile devices that have INRIX's real-time traffic applications installed, traditional road sensors, and many other sources.

VDOT has purchased real-time and archived travel time and speed data from INRIX. HRTPO staff can access this data through the Regional Integrated Transportation Information System (RITIS), which is maintained by the University of Maryland's Center for Advanced Transportation Technology Laboratory. The roadway network with INRIX data available in RITIS was expanded in late 2018. INRIX data is now available for 1,269 centerline miles of roadway in Hampton Roads, including nearly all freeways, principal arterials, and minor arterials. INRIX's coverage now comprises 79% of the centerline-miles and 86% of the lane-miles of the existing CMP Roadway Network, up from 69% and 77% respectively that was available for the 2014 CMP report.

HRTPO staff downloaded INRIX data for the CMP Roadway Network for the entire year of 2018. For roadways added to RITIS in late 2018, data from the first six months of 2019 was used. Data was obtained by direction for every 15-minute period on Tuesdays, Wednesdays, and Thursdays during the morning (AM) peak period (defined in this study as occurring between 5:00 am and 9:00 am) and the afternoon (PM) peak period (defined as occurring between 3:00 pm and 7:00 pm). This data was analyzed by HRTPO staff to produce yearly average speeds for each 15-minute interval during the AM and PM peak periods, which were used in the following congestion analysis.

Similar to traffic volumes, measures based on INRIX travel time data are also included in the *HRTPO Annual Roadway Performance Report*.



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3.5 CONGESTION ANALYSIS

As stated in the previous section, INRIX data is available for 79% of the centerline-miles of the CMP Roadway Network for this analysis. The methodology used to analyze the CMP Roadway Network and the performance measures that are calculated depends on whether or not INRIX speed data is available for the roadway segment.

Roadways without Speed Data

For the 21% of the CMP Roadway Network where INRIX data is not available, AM and PM peak hour roadway congestion levels were determined using a widely accepted engineering standard from the *Highway Capacity Manual* (HCM)[1] called Level of Service (LOS). Level of Service is measured on a scale of "A" through "F," with LOS A representing the best operating conditions and LOS F representing the worst operating conditions (**Figure 1**). Levels of Service A through C are acceptable operating conditions that are considered to be "Low Congestion" levels. Level of Service D is considered to be an acceptable operating condition with "Moderate Congestion" levels, while Levels of Service E and F are considered to be unacceptable operating conditions with "Severe Congestion".

For those roadways without INRIX data, the CMP uses a planning level analysis to determine the "2018 Existing" LOS. The analysis uses a number of roadway factors and characteristics, such as daily volumes, number of lanes, signals per mile, median type, and peak hour traffic factors. This planning level analysis is more detailed than using generalized tables with default values to calculate levels of service, but is not as detailed as an operational analysis which would include factors such as intersection signal timings, turn bay lengths, and turning movement counts at intersections.

Congestion levels for CMP roadways without INRIX speed data were calculated for both the AM Peak Period and PM Peak Period using the most recent weekday traffic volume data that was available (generally from 2016 – 2018). This "2018 Existing" LOS analysis was done using LOS software[2] produced by the Florida Department of Transportation. The LOSPLAN software uses HCM methods to calculate congestion levels based on various roadway and traffic characteristics. Congestion levels for each roadway segment were determined for the hour with the highest traffic volume during the AM Peak Period (which is defined as the highest volume of weekday traffic in four consecutive 15-minute periods between 5 am and 9 am) and the PM Peak Period (between 3 pm and 7 pm).

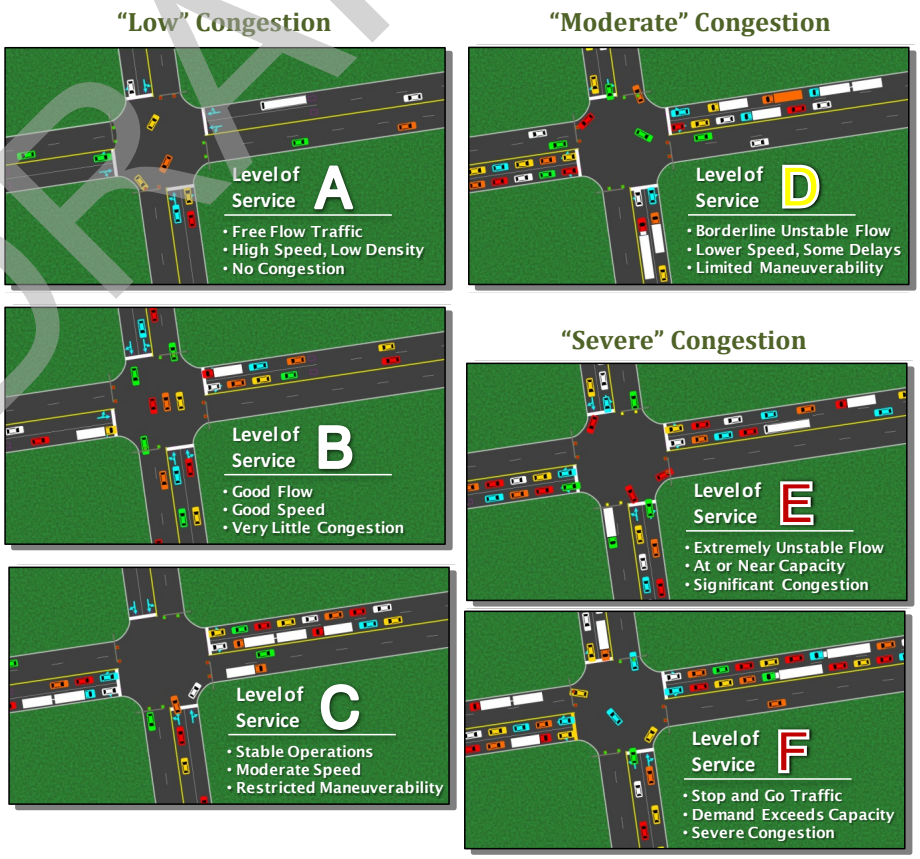


Figure 1 – Level of Service Definitions Simulation Source: Synchro/SimTraffic 7

[1] *Highway Capacity Manual, 6th Edition*, Transportation Research Board, 2016

[2] LOSPLAN Software, Florida Department of Transportation, 2012

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This planning level analysis was also used to project future (2040) travel conditions for all CMP roadways as part of the 2040 Hampton Roads Long-Range Transportation Plan (LRTP). Future congestion levels were determined using the volumes and improvement projects contained in the 2040 LRTP, which is described further in Part III of this report.

Congestion Level		Freeway	Arterial
Low	LOW	TTI < 1.15	TTI < 1.25
Moderate	MOD	1.15 ≤ TTI < 1.30	1.25 ≤ TTI < 1.40
Severe	SEV	TTI ≥ 1.30	TTI ≥ 1.40

Figure 2 – Congestion Level Thresholds
Source: HRTPO.

Roadways with Speed Data

A number of congestion-related measures can be calculated using INRIX travel time and speed data that could only be estimated in previous CMPs. These measures include:

- Congestion levels based on actual travel speeds rather than HCM estimation methods
- Duration of congestion
- Total delay
- Travel time reliability

This section specifically describes measuring congestion levels using INRIX speed data. Information regarding congestion duration, total delay, and travel time reliability methodologies is included in the subsequent sections.

HRTPO staff used the travel time index (TTI) to determine the level of congestion on CMP Roadway Network segments with INRIX speed data available. The travel time index is a measure that reflects how travelers perceive the travel time and congestion level of the roadway. The TTI compares typical travel conditions during a particular time of day (usually the peak travel hour or period) to the travel conditions during uncongested, or free-flow, conditions.

The travel time index is calculated using the following equation:

$$\text{Travel Time Index (TTI)} = \frac{\text{Average Travel Time}}{\text{Free-flow Travel Time}}$$

As an example, if it takes one minute to travel the length of a roadway segment during uncongested, free-flow conditions but it takes two minutes on average during congested peak period conditions, the travel time index of the roadway segment would be 2 minutes/1 minute = 2.0.

INRIX data allows for the calculation of congestion levels via the travel time index regardless of the severity of congestion on the roadway. This differs from a Highway Capacity Manual Level-of-Service analysis, which has a peak of Level of Service of F. Those roadway segments with the highest travel time indices are the segments that are the most congested.

HRTPO staff calculated the travel time index for each CMP Roadway Network segment by direction for each 15-minute interval during the AM and PM Peak Periods based on the 2018 INRIX speed data. The highest 15-minute travel time index during the AM Peak Period (defined in this study as occurring between 5:00 am and 9:00 am) and the PM Peak Period (defined as occurring between 3:00 pm and 7:00 pm) was used to determine each roadway segment's peak period congestion level.

Each roadway segment was classified as having a "low", "moderate", or "severe" level of peak period congestion based on this highest travel time index, using the thresholds shown above in **Figure 2**. Low congestion levels are comparable to a Highway Capacity Manual Level of Service of A, B or C, as described on the previous page. Moderate congestion levels are comparable to a Level of Service D, and severe congestion levels are comparable to a Level of Service of E or F.

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Roadway Congestion Levels

HRTPO staff determined the 2018 Existing congestion levels for roadways with INRIX speed data available based on the travel time index, and Highway Capacity Manual methodology for roadways without INRIX data as described previously.

Maps 1-2 on pages 8-9 show the existing congestion levels during the AM Peak Period for the Peninsula and the Southside, and **Maps 3-4** on pages 10-11 show the existing congestion levels during the PM Peak Period. Existing AM and PM Peak Period congestion levels for each roadway segment are also listed for each roadway segment in **Appendix B** and shown on maps in **Appendix E**.

Figure 3 on page 12 shows the top 25 freeway segments and top 25 arterial segments with INRIX data in terms of highest travel time indices during the AM Peak Period. Eighteen of the top 25 most congested freeway segments are at or on approaches to the Downtown Tunnel, Hampton Roads Bridge-Tunnel, Midtown Tunnel, High Rise Bridge, or I-64/I-264 Interchange. In terms of arterials, the segments with the highest travel time indices during the AM Peak Period include Berkley Avenue approaching the Downtown Tunnel, George Washington Highway near the Norfolk Naval Shipyard in Portsmouth, Mallory Street approaching the Hampton Roads Bridge-Tunnel, Tidewater Drive near Downtown Norfolk, Route 60 at Route 199 in James City County, and Effingham Street approaching the Portsmouth Naval Medical Center.

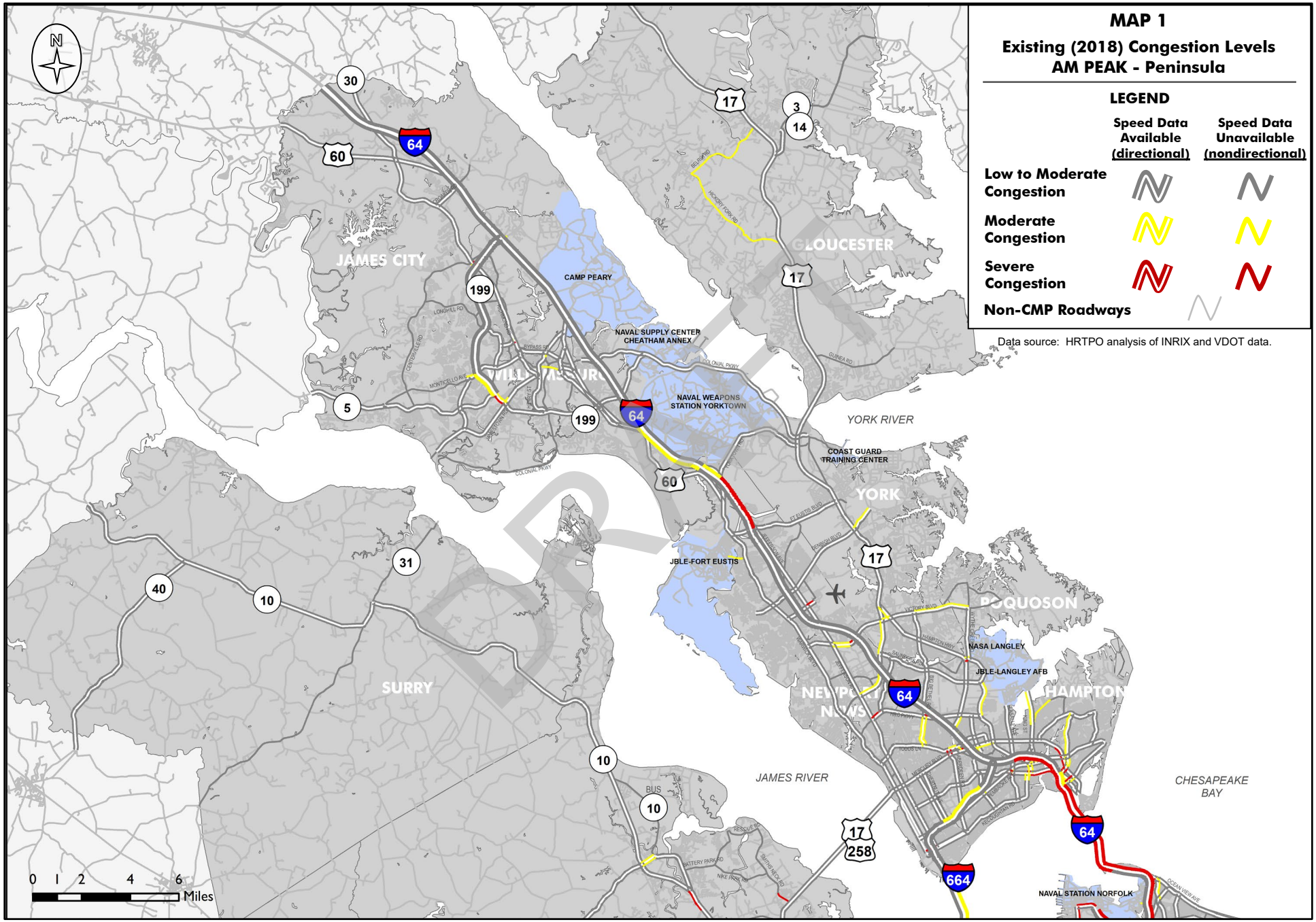
Figure 4 on page 13 shows the top 25 freeway segments and top 25 arterial segments in terms of highest travel time indices during the PM Peak Period. All but three of the top 25 freeway segments with the highest travel time indices during the PM Peak Period are at or approaching high profile locations including the Downtown Tunnel, Hampton Roads Bridge-Tunnel, Monitor-Merrimac Memorial Bridge-Tunnel, High Rise Bridge, or I-64/I-264 Interchange.

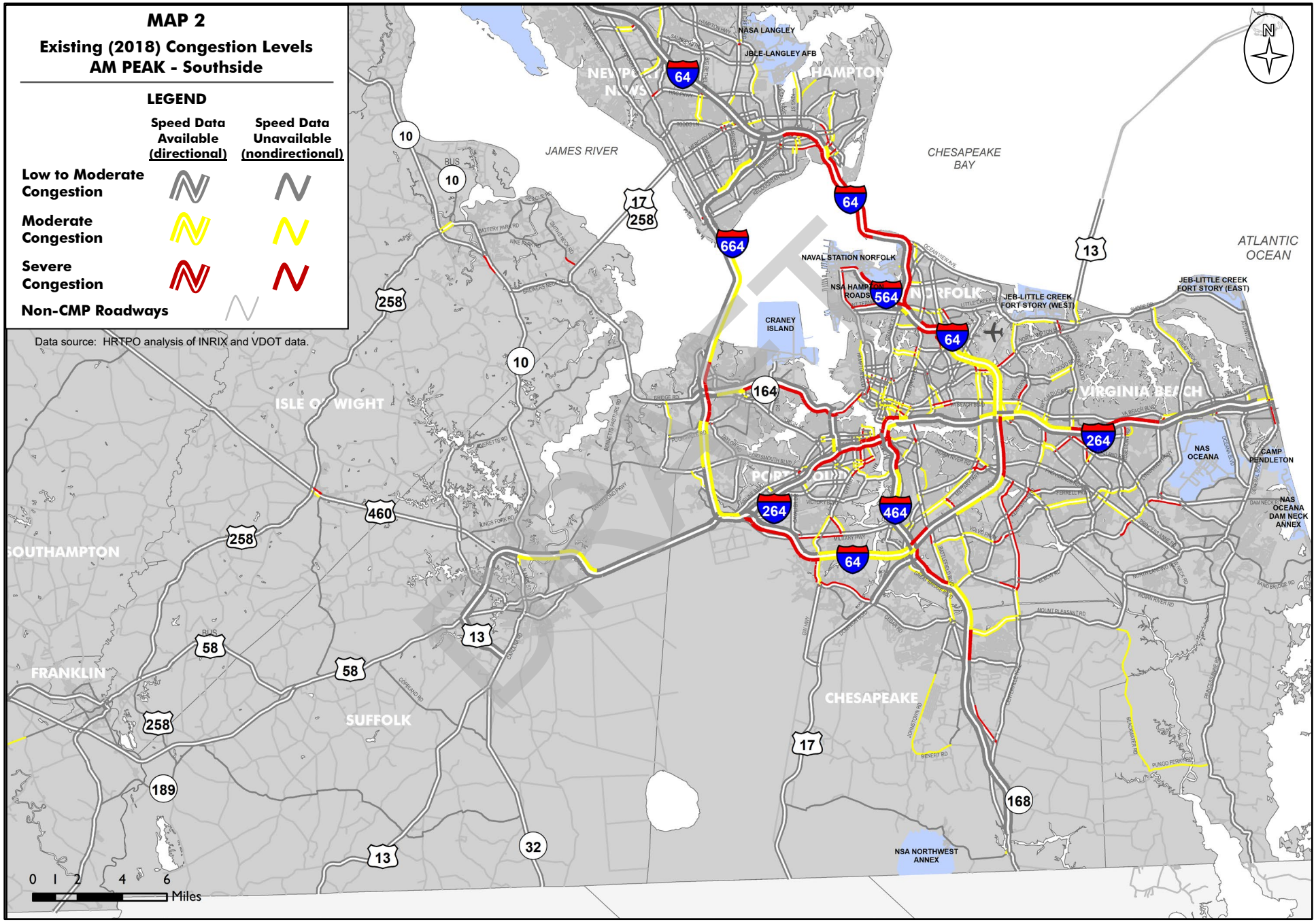
The top four most congested arterial segments during the PM Peak Period are Fourth View Street, Mallory Street, Settlers Landing Road, and Woodland Road, all of which are approaches to the Hampton Roads Bridge-Tunnel. Each of these segments have travel time indices greater than 2.8, meaning average travel times are nearly three times or more longer during congested conditions than during uncongested, free-flow conditions. The other arterial roadways with the highest travel time indices in the PM Peak Period include Battlefield Boulevard near I-64, Dam Neck Road, Indian River Road east of I-64, and Military Highway approaching the Gilmerton Bridge from the east.

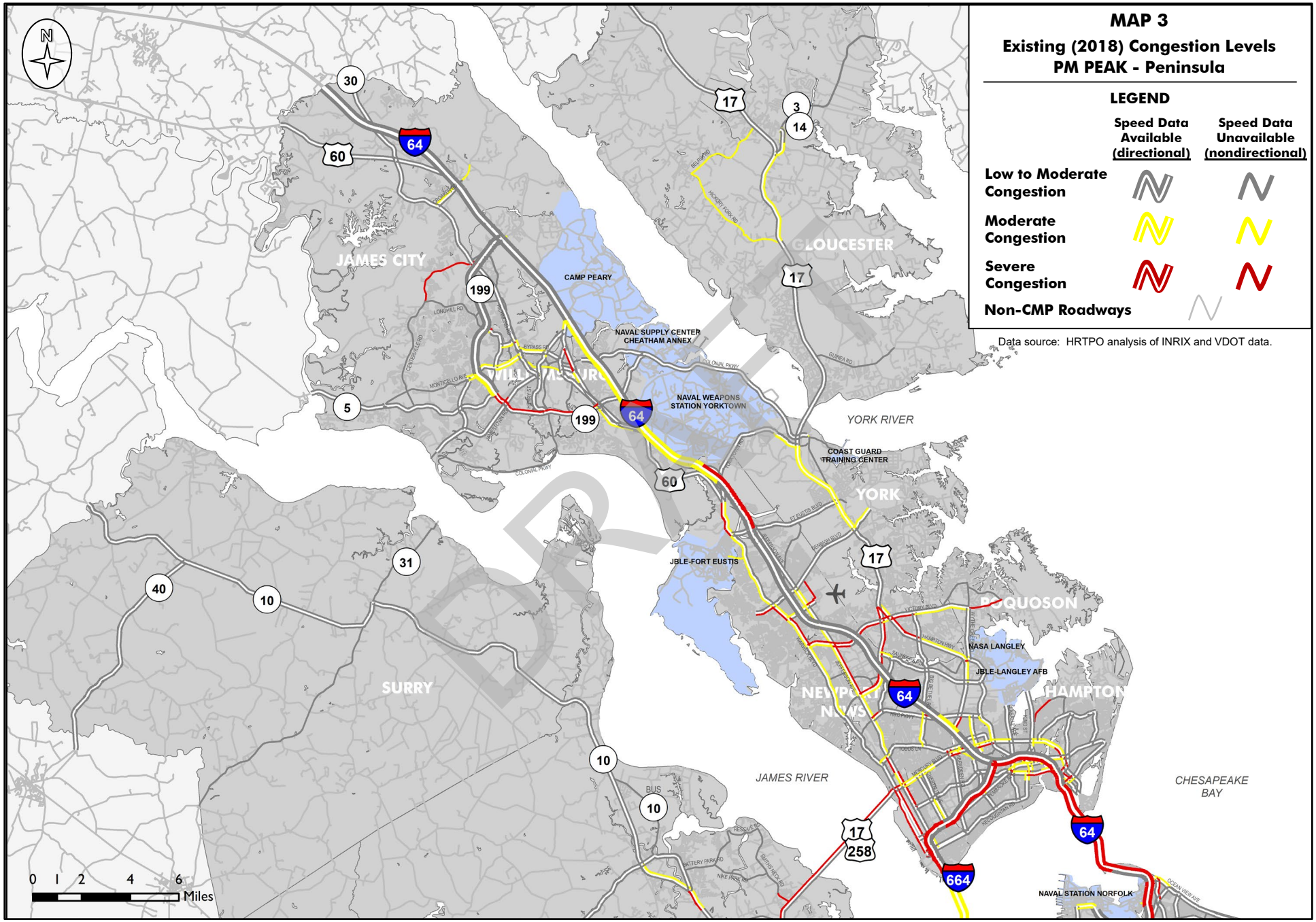


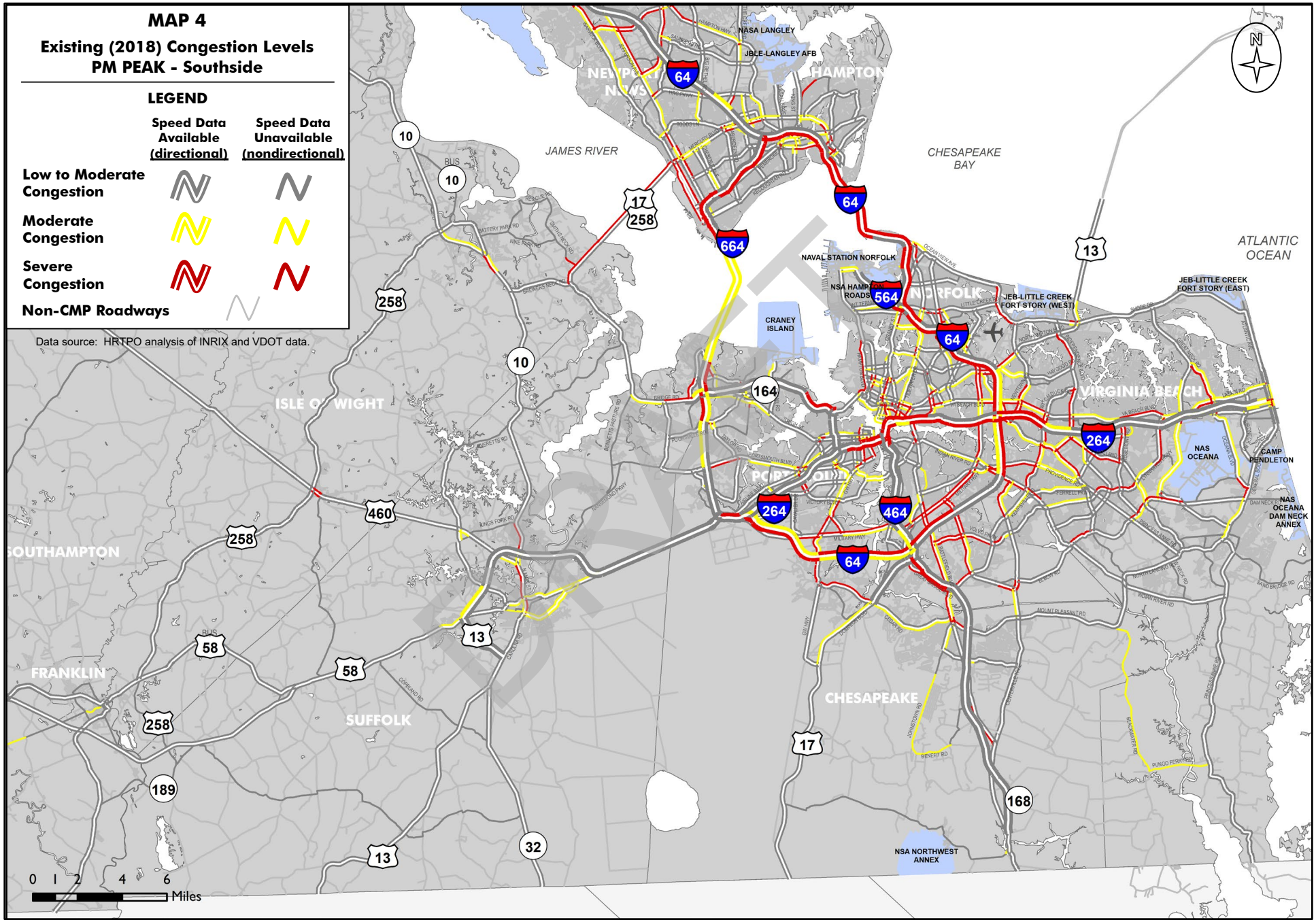
Route 199 at Jamestown Road

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MAP 1
Existing (2018) Congestion Levels
AM PEAK - Peninsula
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
COAST GUARD TRAINING CENTER
YORK
YORK RIVER
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles


MAP 2
Existing (2018) Congestion Levels
AM PEAK - Southside
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
0 1 2 4 6
Miles


MAP 3
Existing (2018) Congestion Levels
PM PEAK - Peninsula
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
COAST GUARD TRAINING CENTER
YORK
YORK RIVER
JBLE-FORT EUSTIS
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles


MAP 4
Existing (2018) Congestion Levels
PM PEAK - Southside
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NASA LANGLEY
JBLE-LANGLEY AFB
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
NSA NORTHWEST ANNEX
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
0 1 2 4 6
Miles

Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Highest Travel Time Index	Highest TTI Time of Day
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	5.75	7:30
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	4.26	7:30
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	4.14	7:45
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	3.73	7:45
Norfolk	I-464	South Main St	I-264	NB	DT	3.31	8:00
Chesapeake/Norfolk	I-464	Poindexter St	South Main St	NB	DT	2.97	7:45
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	2.95	7:45
Chesapeake	Chesapeake Expressway	Dominion Blvd	I-64	NB	-	2.71	7:45
Norfolk	I-564	Admiral Taussig Blvd	Terminal Blvd	NB	-	2.44	6:15
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	2.04	8:15
Portsmouth	I-264	Frederick Blvd	Des Moines Ave	EB	DT	2.03	7:45
Portsmouth	Western Freeway	Cedar Ln	West Norfolk Rd	EB	MT	1.96	8:00
Chesapeake	Chesapeake Expressway	Battlefield Blvd (N of Great Bridge)	Dominion Blvd	NB	-	1.91	7:45
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	1.82	8:30
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	1.81	7:45
Portsmouth	Western Freeway	West Norfolk Rd	MLK Freeway/Midtown Tunnel	EB	MT	1.80	8:00
Norfolk/Portsmouth	Midtown Tunnel	MLK Fwy/Western Fwy	Brambleton Ave	EB	MT	1.61	7:45
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	1.60	8:15
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	1.59	7:15
Suffolk	I-664	Western Fwy	College Dr	NB	MMMBT	1.58	7:45
Norfolk	I-64	Tidewater Dr	Chesapeake Blvd	EB	-	1.56	8:00
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	1.53	7:45
Suffolk	I-664	Bridge Rd	Western Fwy	NB	MMMBT	1.52	7:30
Norfolk	I-564	Terminal Blvd	I-64	NB	-	1.49	6:15
Chesapeake	Chesapeake Expressway	Hanbury Rd	Mount Pleasant Rd	NB	-	1.48	7:30

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Highest Travel Time Index	Highest TTI Time of Day
Norfolk	Berkley Ave	Main St	I-464	WB	DT	2.64	6:00
Portsmouth	George Washington Hwy	Frederick Blvd	Elm Ave	NB	-	2.21	6:15
Hampton	Mallory St	County St	I-64	WB	HRBT	2.21	7:45
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	2.15	8:00
James City	Route 60	Route 199	Centerville Rd (Route 614)	WB	-	2.06	6:45
Portsmouth	Effingham St	London Blvd	Crawford Pkwy	NB	-	2.03	7:00
Chesapeake	Battlefield Blvd	Great Bridge Bypass	Great Bridge Blvd/Kempsville Rd	SB	-	2.02	8:45
Isle of Wight	Benns Church Blvd	South Church St	Turner Drive (Route 644)	SB	-	1.99	7:30
Virginia Beach	Independence Blvd	Northampton Blvd	Shore Dr	NB	-	1.98	7:15
Hampton	Aberdeen Rd	I-664	Pembroke Ave	SB	-	1.95	7:45
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	1.94	8:30
Hampton	Powhatan Pkwy	I-664	Pembroke Ave	SB	-	1.92	5:45
Hampton	Settlers Landing Rd	Eaton St	I-64	EB	HRBT	1.90	7:45
Virginia Beach	Dam Neck Rd	Holland Rd	London Bridge Rd	EB	-	1.88	8:00
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	1.87	8:00
Virginia Beach	First Colonial Rd	I-264	Virginia Beach Blvd	SB	-	1.86	7:45
Virginia Beach	Witchduck Rd	Princess Anne Rd	I-264	NB	-	1.85	8:00
Hampton	Woodland Rd	County St	I-64	WB	HRBT	1.83	7:45
Virginia Beach	Rosemont Rd	I-264	Virginia Beach Blvd	NB	-	1.83	6:15
Hampton	Woodland Rd	Mercury Blvd	County St	SB	HRBT	1.82	8:00
Hampton	Commander Shepard Blvd	Magruder Blvd/Neil Armstrong Pkwy	Wythe Creek Rd	SB	-	1.81	8:45
Chesapeake	Canal Dr	George Washington Hwy	Military Hwy	SB	-	1.80	7:45
Chesapeake	George Washington Hwy	I-64	Moses Grandy Trail @ Hinton Ave	SB	-	1.78	8:30
Virginia Beach	Independence Blvd	I-264	Baxter Rd	SB	-	1.76	6:00
Norfolk	Military Hwy	I-64	Princess Anne Rd/Northampton Blvd	SB	-	1.75	8:30

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Figure 3 – Roadway Segments with the Highest Travel Time Indices – 2018 AM Peak Period

Source: HRTPO analysis of INRIX data. The travel time index compares typical travel conditions during a particular time of day to the travel conditions during uncongested, or free-flow, conditions. Travel Time Index = Average Travel Time/Free-flow Travel Time

The following abbreviations are used for high profile corridors:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Highest Travel Time Index	Highest TTI Time of Day
Newport News	I-664	23rd St	Terminal Ave	SB	MMMBT	7.08	16:15
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	6.80	16:45
Norfolk	I-64	Granby St	Bay Ave	WB	HRBT	4.95	17:00
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	4.75	17:00
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	4.66	16:45
Newport News	I-664	Chestnut Ave	23rd St	SB	MMMBT	4.41	16:30
Norfolk	I-64	I-564/Little Creek Rd	Granby St	WB	HRBT	4.29	17:00
Chesapeake	I-64	Battlefield Blvd	I-464	EB	HIGH RISE	3.51	16:30
Norfolk	I-264	Brambleton Ave	Waterside/City Hall/Tidewater Dr	WB	DT	3.39	17:30
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	3.36	17:30
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	3.14	16:30
Norfolk	I-264/Berkley Bridge	Waterside/City Hall/Tidewater Dr	I-464	WB	DT	2.67	17:15
Chesapeake	I-64	Greenbrier Pkwy	Battlefield Blvd	EB	HIGH RISE	2.48	17:30
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	2.43	16:45
Norfolk	I-64	Virginia Beach CL	I-264	WB	I-64/I-264	2.34	17:30
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	2.33	16:45
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	2.26	16:30
Chesapeake	I-64	I-264 & I-664	Military Hwy	EB	HIGH RISE	2.19	16:45
Chesapeake	I-64	Military Hwy	George Washington Hwy	EB	HIGH RISE	2.19	16:45
Norfolk	I-264	Newtown Rd	I-64	WB	I-64/I-264	2.12	17:30
Norfolk	I-64	I-564/Little Creek Rd	Tidewater Dr	EB	-	2.08	16:00
Norfolk	I-64	Tidewater Dr	Chesapeake Blvd	EB	-	2.00	16:00
Norfolk	I-464	South Main St	I-264	NB	DT	1.97	16:30
Norfolk	I-264	Military Hwy	I-64	EB	I-64/I-264	1.95	17:30
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	1.88	16:15

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Highest Travel Time Index	Highest TTI Time of Day
Norfolk	Fourth View St	Ocean View Ave	I-64	SB	HRBT	4.07	16:15
Hampton	Mallory St	County St	I-64	WB	HRBT	3.13	17:45
Hampton	Settlers Landing Rd	Eaton St	I-64	EB	HRBT	2.87	17:15
Hampton	Woodland Rd	County St	I-64	WB	HRBT	2.83	17:45
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	2.83	17:00
Virginia Beach	Dam Neck Rd	London Bridge Rd	Holland Rd	WB	-	2.81	17:30
Virginia Beach	Indian River Rd	I-64	Centerville Tpke	EB	-	2.58	17:30
Chesapeake	Military Hwy	Battlefield Blvd	Campostella Rd	WB	GILM	2.44	17:30
Norfolk	Tidewater Dr	Cromwell Dr	Norview Ave	SB	-	2.43	15:30
James City/Williamsburg	Route 199	John Tyler Hwy	Jamestown Rd	EB	-	2.39	17:30
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	2.39	16:00
Norfolk	Newtown Rd	I-264	Virginia Beach Blvd	NB	-	2.35	17:45
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	SB	DT	2.34	17:30
Newport News	Jefferson Ave	35th St	25th St	SB	-	2.33	16:15
Hampton	Woodland Rd	Mercury Blvd	County St	SB	HRBT	2.30	17:45
Chesapeake	George Washington Hwy	I-64	Moses Grandy Trail @ Hinton Ave	SB	-	2.26	17:45
Portsmouth	Effingham St	High St	I-264	SB	DT	2.25	16:00
Chesapeake	Battlefield Blvd	Great Bridge Blvd/Kempsville Rd	Cedar Rd	SB	-	2.25	17:30
Norfolk	Tidewater Dr	Princess Anne Rd	Virginia Beach Blvd	SB	-	2.21	16:30
Norfolk	Virginia Beach Blvd	Military Hwy	Newtown Rd	EB	-	2.18	17:30
Norfolk	Church St	Virginia Beach Blvd	Brambleton Ave	SB	-	2.17	16:00
Virginia Beach	Military Hwy	Providence Rd	Indian River Rd	NB	-	2.17	17:45
Norfolk	Campostella Rd	Wilson Rd	Indian River Rd	SB	-	2.15	17:15
Norfolk	St. Pauls Blvd	Waterside Dr	City Hall Ave	NB	DT	2.12	17:30
Virginia Beach	Elbow Rd	Salem Rd	Indian River Rd (East)	WB	-	2.11	17:45

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Figure 4 – Roadway Segments with the Highest Travel Time Indices – 2018 PM Peak Period

Source: HRTPO analysis of INRIX data. The travel time index compares typical travel conditions during a particular time of day to the travel conditions during uncongested, or free-flow, conditions. Travel Time Index = Average Travel Time/Free-flow Travel Time

The following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

Regional Congestion Levels

Existing Congestion Levels

HRTPO staff used the roadway segment congestion analysis to calculate existing congestion levels on a regional basis[3]. As shown in **Figure 5**, 275 of the 4,991 lane-miles[4] (6%) in the Hampton Roads CMP Roadway Network currently operate under severely congested conditions during the AM Peak Period. Another 520 lane-miles (10%) operate under acceptable but moderately congested conditions, while the remaining 4,196 lane-miles (84%) have low levels of congestion.

A much higher percentage of the CMP Roadway Network is congested during the PM Peak Period than during the AM Peak Period. A total of 687 of the 4,991 lane-miles (14%) currently operate under severely congested conditions during the PM Peak Period. Another 711 lane-miles (14%) operate under moderately congested conditions, and the remaining 3,593 lane-miles (72%) are roadways that operate with low levels of congestion.

In addition to analyzing regional congestion levels by lane-mile, which is a measure of the physical roadway system, HRTPO staff also analyzed regional congestion levels by daily vehicle-miles of travel[5], which is a measure of the total amount of travel. This measure better represents the congestion experienced by travelers throughout the region each weekday.

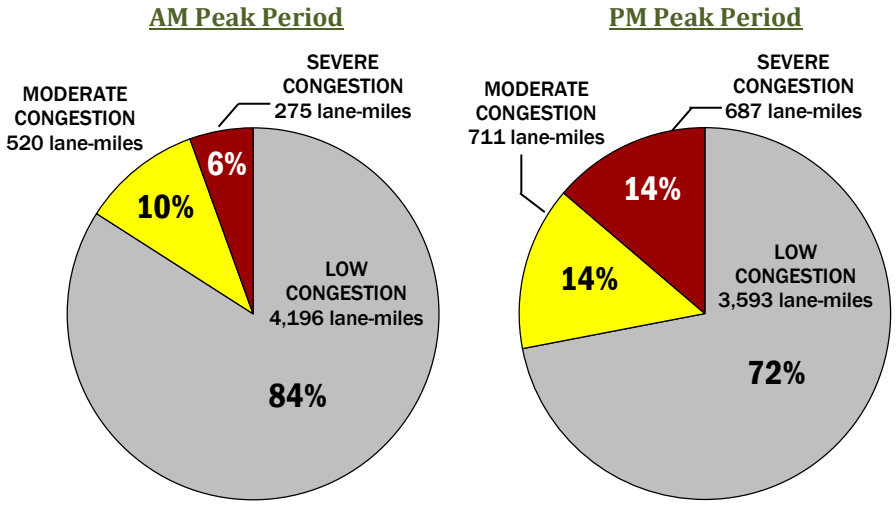


Figure 5 – Existing (2018) Congestion Levels by Lane-Mile for the CMP Roadway Network

Source: HRTPO analysis of INRIX and VDOT data.

Figure only include those CMP network roadways within the Hampton Roads MPA.

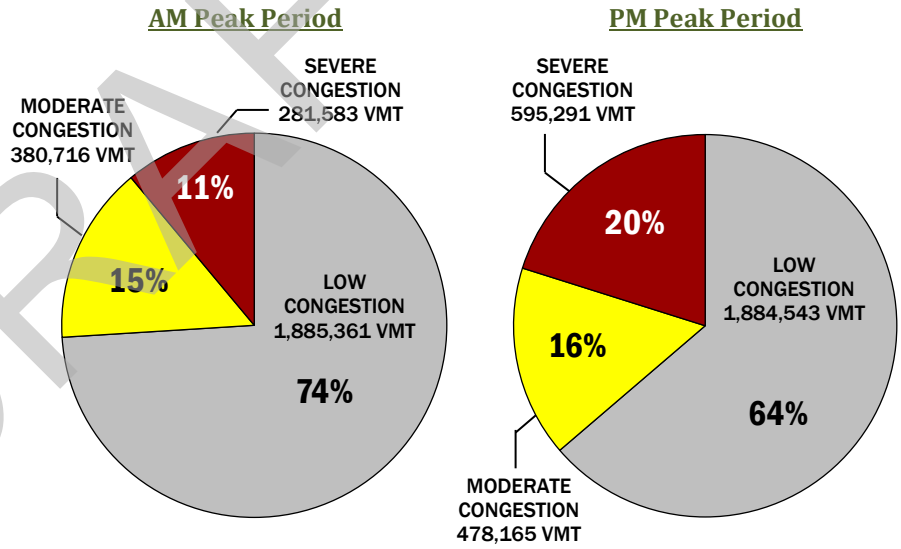


Figure 6 – Existing (2018) Congestion Levels by Vehicle-Miles of Travel for the CMP Roadway Network

Source: HRTPO analysis of INRIX and VDOT data.

Figure only include those CMP network roadways within the Hampton Roads MPA.

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As shown in **Figure 6**, nearly 282,000 of the 2.55 million vehicle-miles of travel (11%) on the Hampton Roads CMP Roadway Network during the AM Peak Period each weekday currently occurs under severely congested conditions. Another 381,000 vehicle-miles of travel (15%) occurs under acceptable but moderately

[3] These regional congestion figures only include those roadways in the CMP Roadway Network within the Hampton Roads Metropolitan Planning Area (MPA) as defined on page 2.

[4] As an example, a roadway segment that is six lanes wide and one mile long comprises six lane-miles.

[5] As an example, ten vehicles that each travel one mile produce ten vehicle-miles of travel.

congested conditions, while the remaining vehicle-miles of travel (74%) have low levels of congestion.

Similar to lane-miles, a much higher percentage of travel on the CMP Roadway Network is congested during the PM Peak Period than during the AM Peak Period. A total of 595,000 of the 2.96 million vehicle-miles of travel (20%) during the PM Peak Period currently occurs under severely congested conditions. Another 478,000 vehicle-miles of travel (16%) occurs under moderately congested conditions, and the remaining vehicle-miles of travel (64%) occurs with low levels of congestion.

Figure 7 displays this roadway congestion data for each jurisdiction in Hampton Roads. During the AM Peak Period, the jurisdictions with the highest percentage of CMP Roadway Network lane-miles operating in severely congested conditions are Norfolk (12%, primarily due to backups on approaches to the Midtown and Downtown Tunnels), Portsmouth (11%), Hampton (8%, primarily due to backups on the approach to the Hampton Roads Bridge-Tunnel), Chesapeake (7%), and Virginia Beach (6%). During the PM Peak Period, the jurisdictions with the highest percentage of CMP Roadway Network lane-miles operating in severely congested conditions are Norfolk (28%), Poquoson (20%), Chesapeake (19%), Newport News (18%), Hampton (14%), and Virginia Beach (14%).

Future Congestion Levels

HRTPO staff produces future PM Peak Period roadway congestion levels as part of the regional Long-Range Transportation Plan. These projections are based on predicted future year traffic volumes and the list of transportation projects that are expected to be completed by the horizon year. Congestion levels for the year 2040 were calculated using Highway Capacity Manual procedures described previously in this section. These 2040 PM Peak Period projected roadway volumes and congestion levels will be described further in Part III of this report.

The number of severely congested lane-miles in Hampton Roads is projected to grow significantly between 2018 and 2040, as shown in **Figure 8** on page

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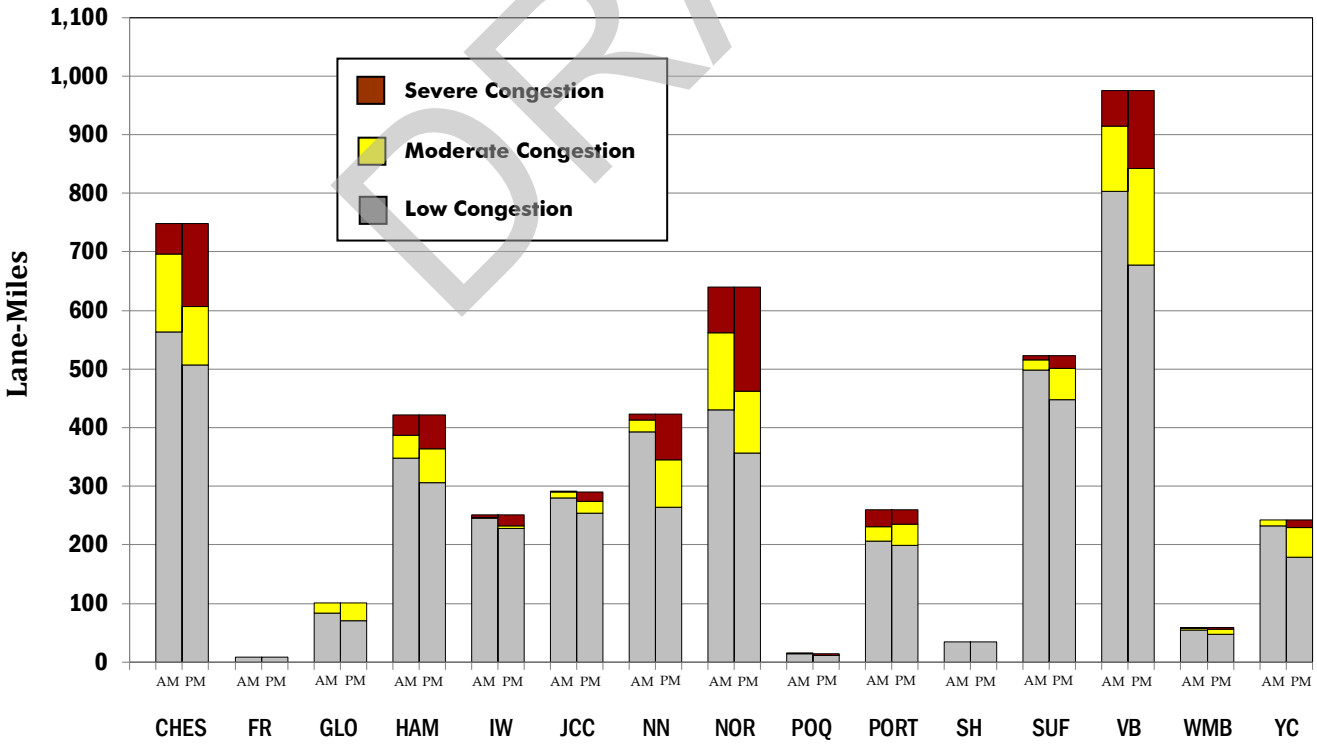


Figure 7 – Existing (2018) Locality Congestion Levels by Lane-Mile – AM and PM Peak Periods

Source: HRTPO analysis of INRIX and VDOT data.

Figure only include those roadways in the CMP Roadway Network within the Hampton Roads Metropolitan Planning Area (MPA).

16. In 2040, nearly one quarter (23%) of the Hampton Roads CMP Roadway Network is expected to operate at severely congested levels during the PM Peak Period, up from 14% in the 2018 Existing conditions. Only 53% of the CMP Roadway Network is projected to operate at low levels of congestion in the PM Peak Period in 2040, compared to 72% in Existing conditions.

It should be noted that caution needs to be used when making comparisons between this report's 2018 Existing congestion levels and the future 2040 congestion levels. Most of the 2018 Existing congestion analysis is based on a source of data (INRIX) that is different from the 2040 congestion analysis. Roadways with INRIX data are also analyzed by direction for both arterials and freeways, whereas the 2040 congestion analysis is not analyzed by direction for arterials. The directional INRIX analysis used for 2018 Existing conditions will inherently produce lower congestion levels than the non-directional analyses.

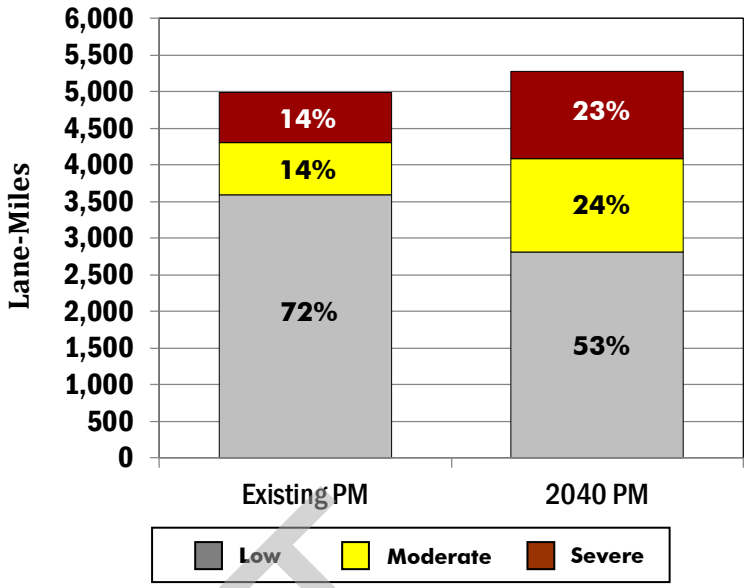


Figure 8 – Existing (2018) and 2040 Congestion Levels by Lane-Mile for the CMP Roadway Network (PM Peak Period)

Source: HRTPO analysis of HRTPO, INRIX, and VDOT data.

Figure only include those roadways in the CMP network within the Hampton Roads Metropolitan Planning Area (MPA).

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Corridor Travel Times

HRTPO has analyzed the historical and existing travel times for ten of the most critical roadway corridors in the Hampton Roads transportation network using the INRIX data from the roadway congestion analysis. These ten corridors are:

- **Hampton Roads Bridge-Tunnel** – I-64 between I-664/Hampton Coliseum and I-564
- **Monitor-Merrimac Memorial Bridge-Tunnel** – I-664 between College Drive and Aberdeen Road
- **Midtown Tunnel** – Route 164/MLK Freeway between Cedar Road/London Boulevard and Brambleton Avenue and Hampton Boulevard/Brambleton Avenue between Colley Avenue/27th Street and Western Freeway.
- **Downtown Tunnel** – I-264 between Victory Boulevard and Ballentine Boulevard
- **I-64 High Rise Bridge** – I-64 between Bowers Hill (I-264/I-664 Interchange) and Greenbrier Parkway
- **I-64 Peninsula** – I-64 between Route 199 near Busch Gardens and Oyster Point Road
- **I-64/I-564 Norfolk** – I-64/I-564 between Admiral Taussig Boulevard and Indian River Road
- **I-264 Norfolk/Virginia Beach** – I-264 between Military Highway and Rosemont Road
- **I-664 Southside** – I-664 between Bowers Hill (I-64/I-264 Interchange) and College Drive
- **Chesapeake Expressway** – Route 168 between Battlefield Boulevard south of Great Bridge and I-64

Figures 9 – 18 on pages 18 – 22 show the travel times by direction in each of these ten corridors each year between 2013 and 2018. Notable changes in travel times include:

- Travel times largely increased at the **Hampton Roads Bridge-Tunnel**. Eastbound average travel times during the AM Peak Period increased from 15.3 minutes in 2013 to 19.7 minutes in 2018, and increased from 15.6 minutes to 23.1 minutes during the PM Peak Period. Westbound average AM Peak Period travel times increased from 9.8 minutes in 2013 to 14.0 minutes in 2018, and from 19.7 minutes to 28.4 minutes during the PM Peak Period.



- Travel times have improved at the **Midtown Tunnel** with the completion of the second tube. Eastbound AM Peak Period average travel times decreased from 13.1 minutes in 2016 down to 9.6 minutes in 2018. Westbound PM Peak Period average travel times decreased from 7.9 minutes in 2016 to 6.6 minutes in 2018.
- Travel times also improved at the **Downtown Tunnel**, largely due to the addition of tolls and the widening of the Midtown Tunnel. Eastbound AM Peak Period average travel times decreased from 14.9 minutes in 2013 down to 12.1 minutes in 2018. Westbound PM Peak Period average travel times decreased from 13.9 minutes in 2013 to 9.6 minutes in 2018.
- Travel times increased at the **High Rise Bridge**. Eastbound (towards Suffolk) average travel times during the AM Peak Period increased from 10.4 minutes in 2013 to 12.1 minutes in 2018, and increased from 14.1 minutes to 18.0 minutes during the PM Peak Period. Westbound (towards Virginia Beach) AM Peak Period average travel times increased from 16.8 minutes in 2013 to 18.7 minutes in 2018, and from 10.7 minutes to 14.3 minutes during the PM Peak Period.

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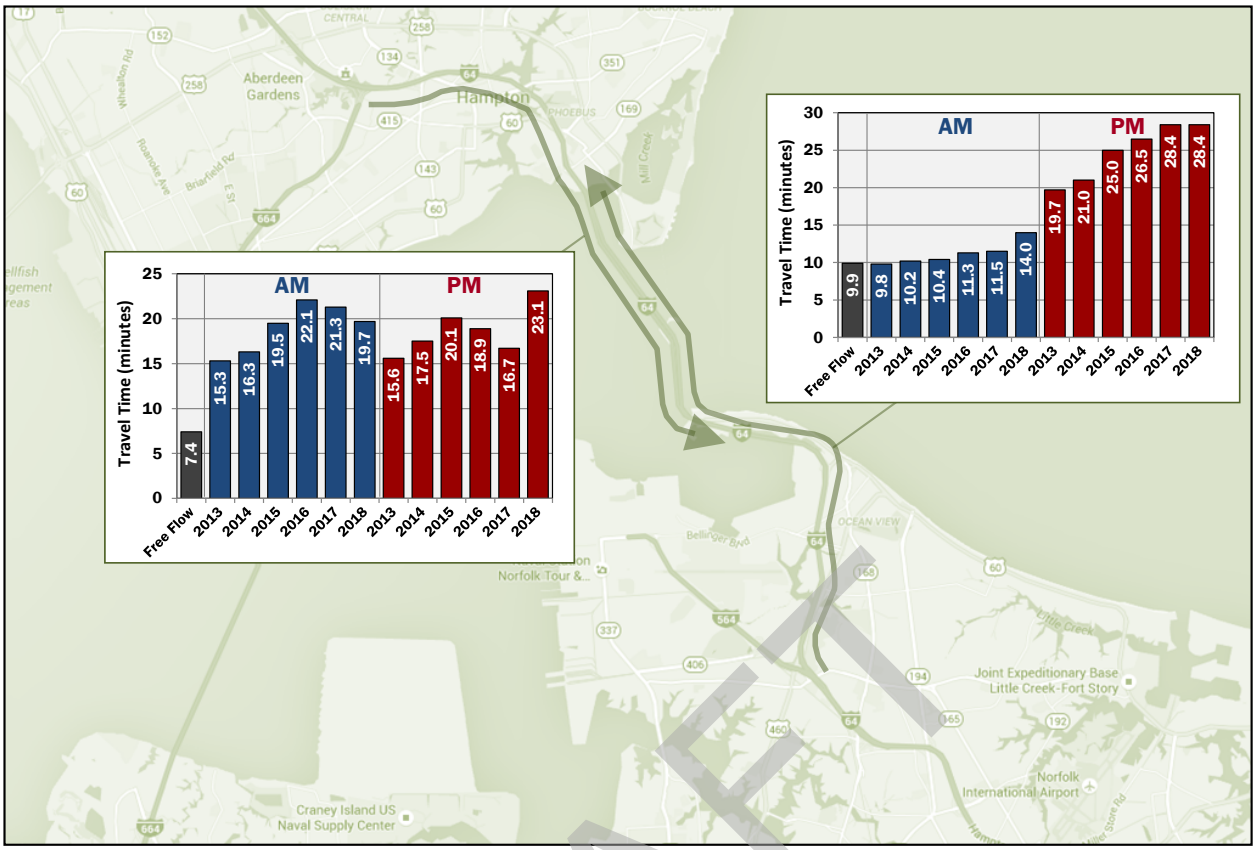


Figure 9 – Hampton Roads Bridge-Tunnel Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

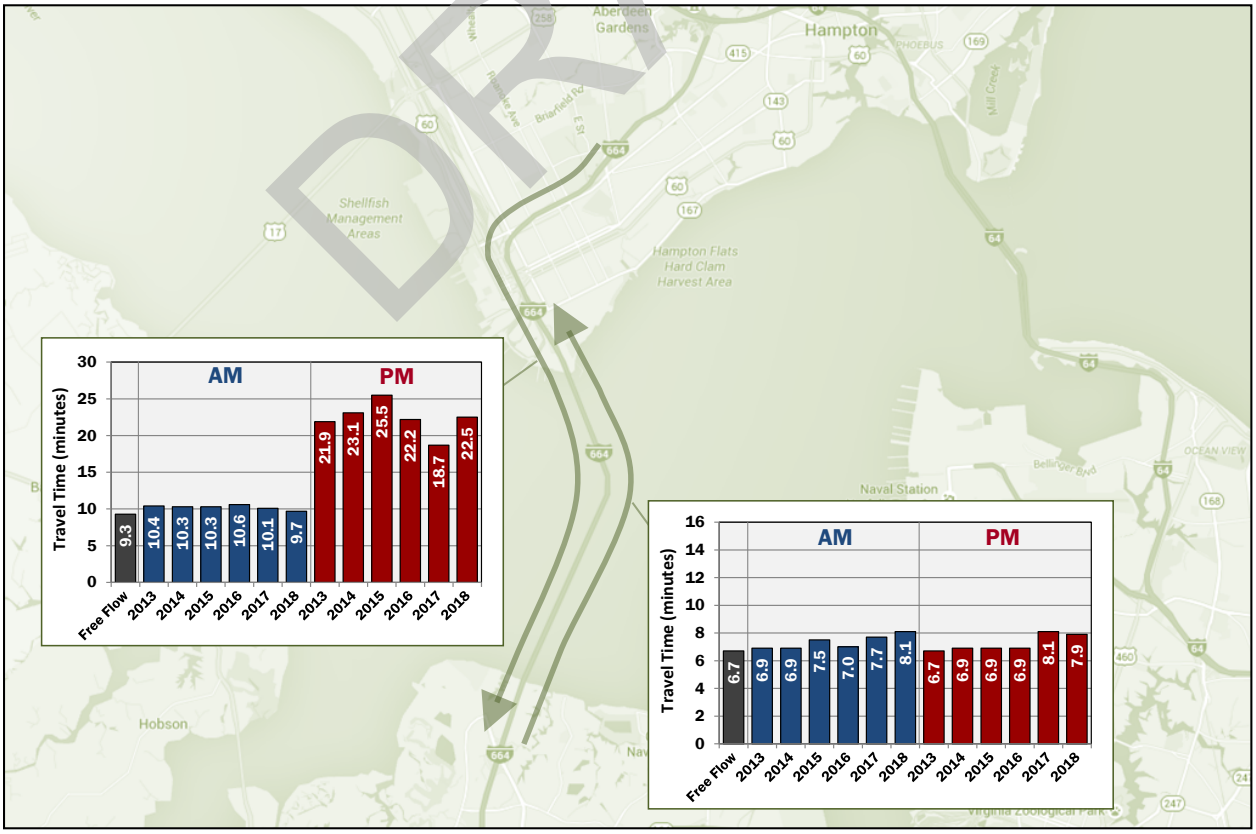


Figure 10 – Monitor-Merrimac Memorial Bridge-Tunnel Average Weekday Travel Time (in mins)

Source: HRTPO analysis of INRIX data.

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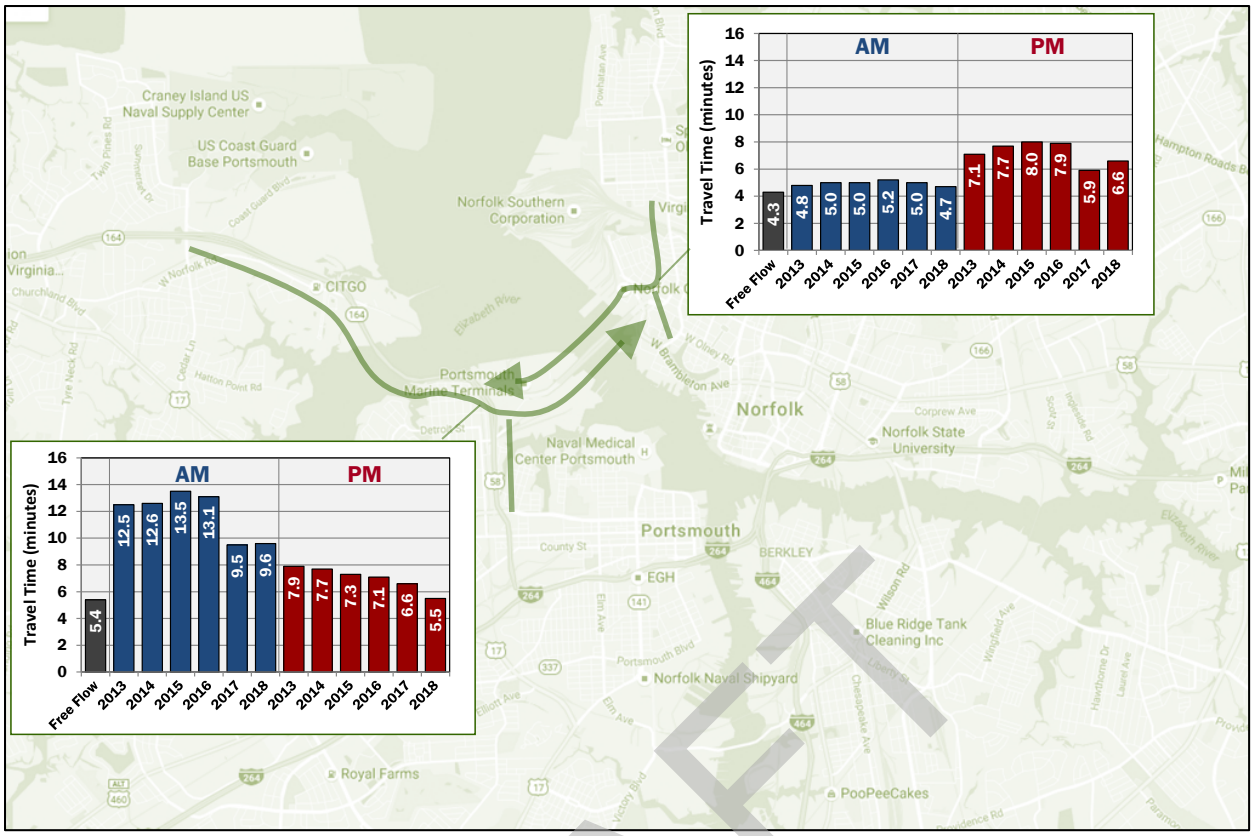


Figure 11 – Midtown Tunnel Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

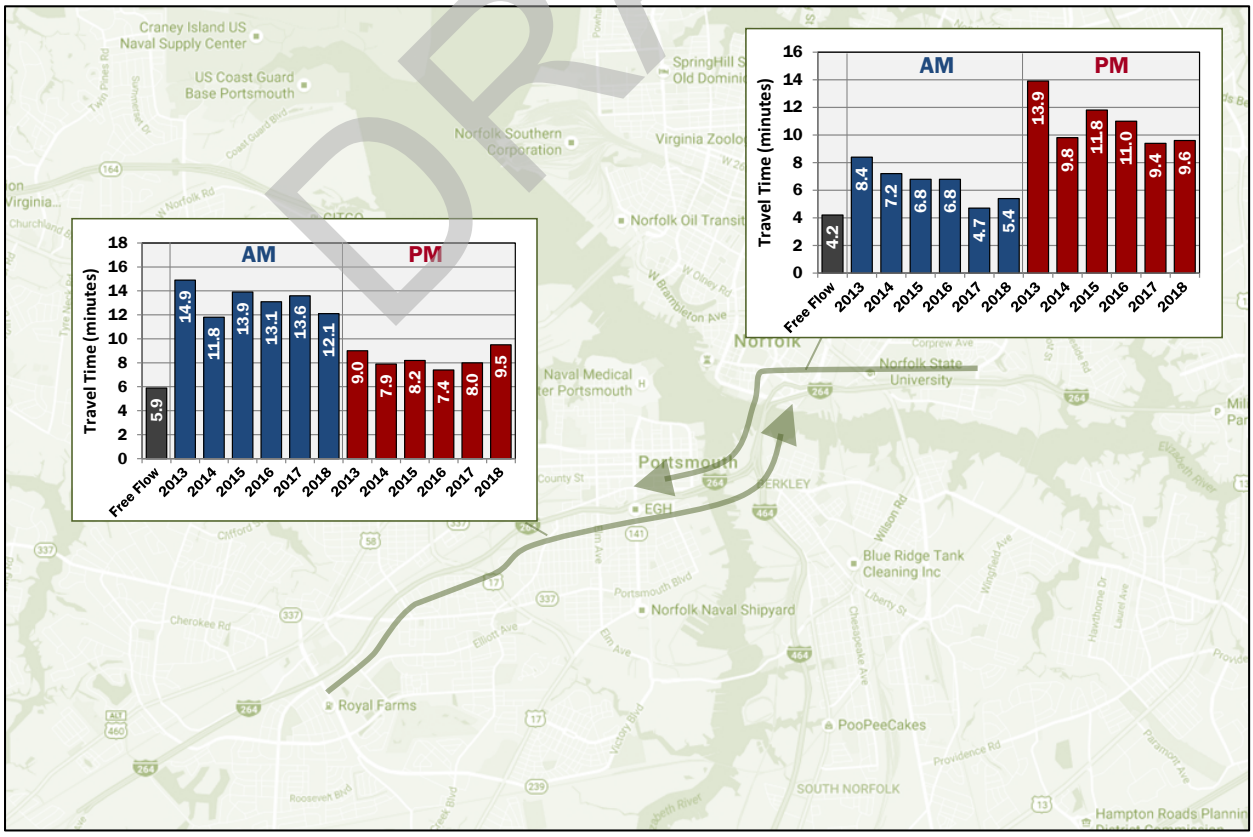


Figure 12 – Downtown Tunnel Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

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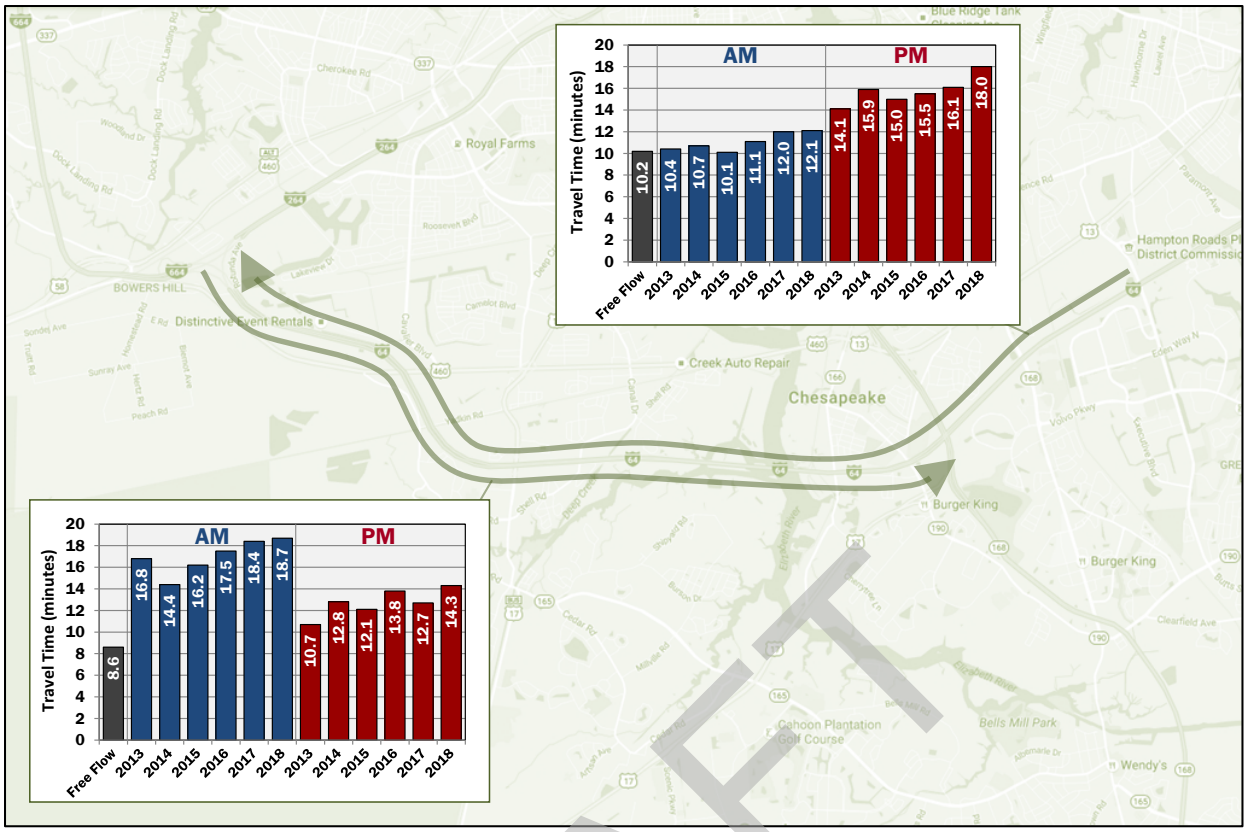


Figure 13 – I-64 High Rise Bridge Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

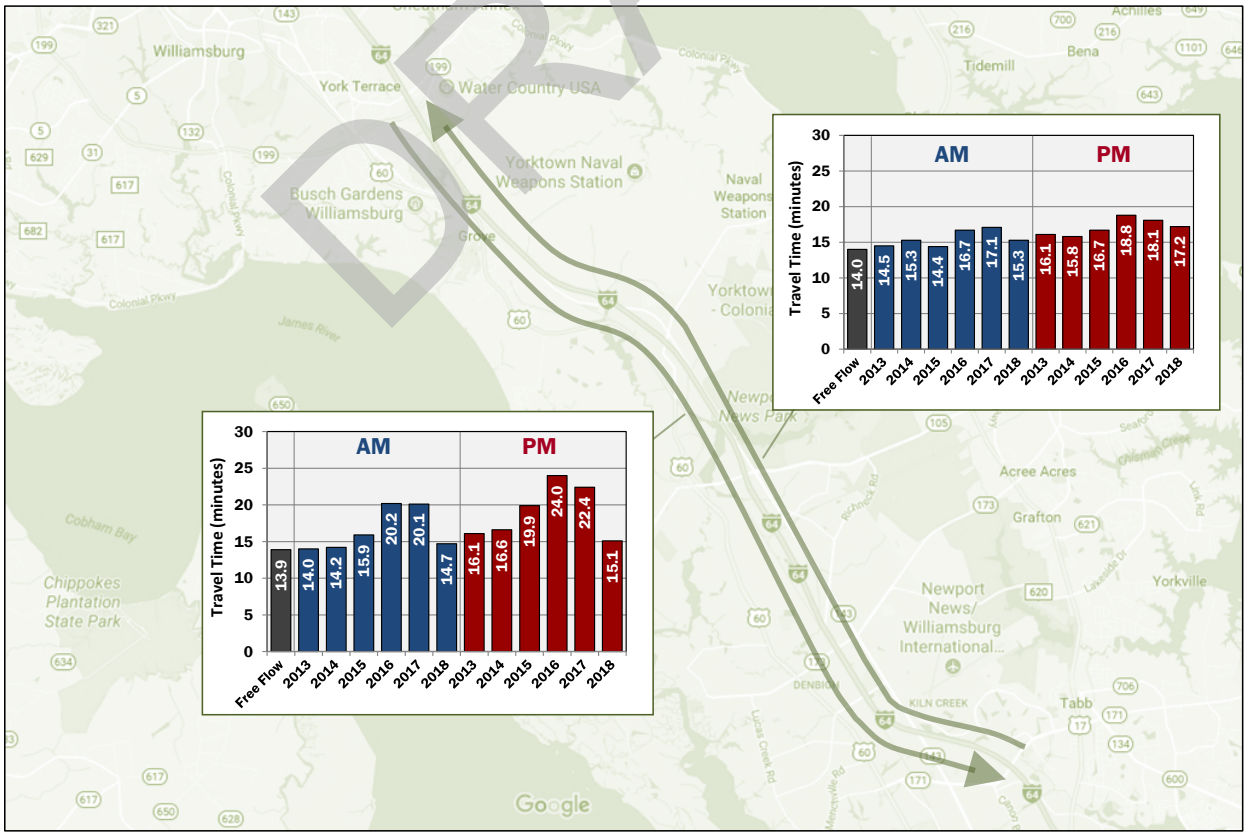


Figure 14 – I-64 Peninsula Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

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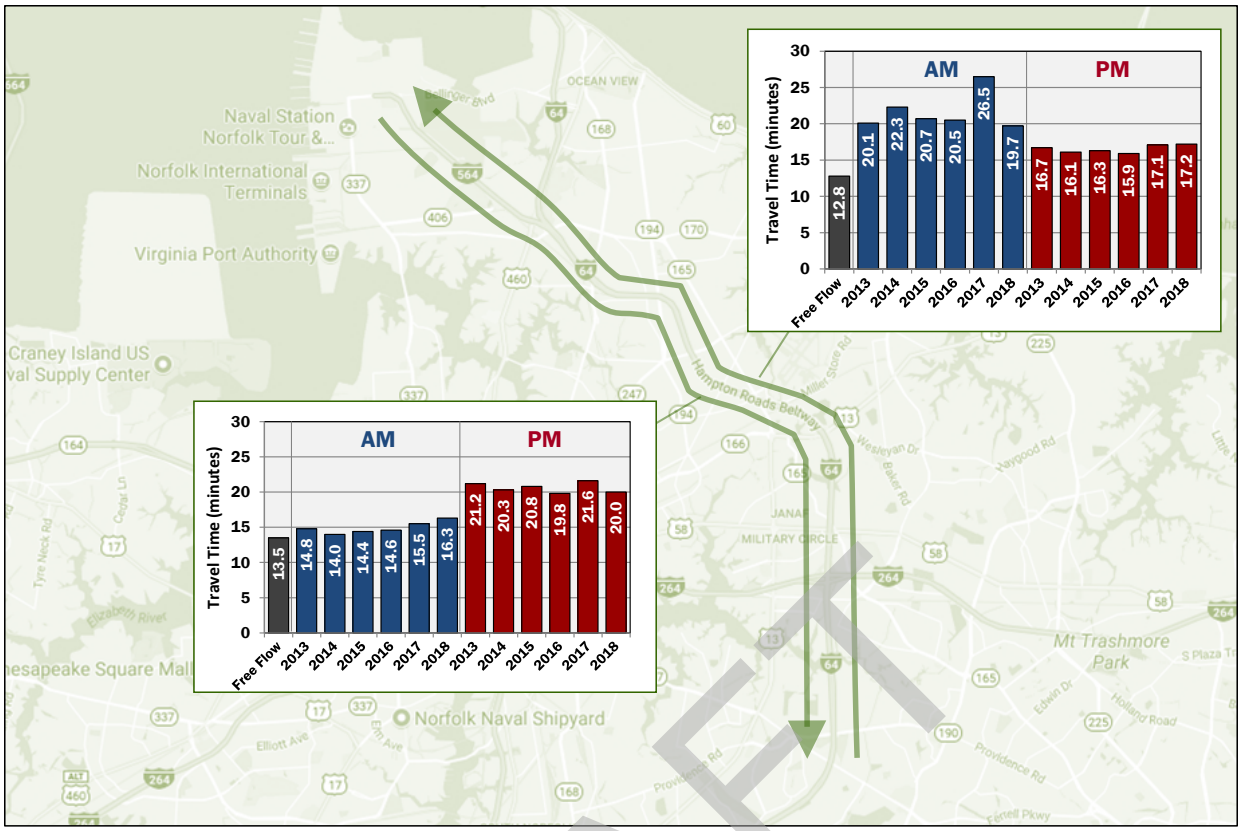


Figure 15 – I-64/I-564 Norfolk Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

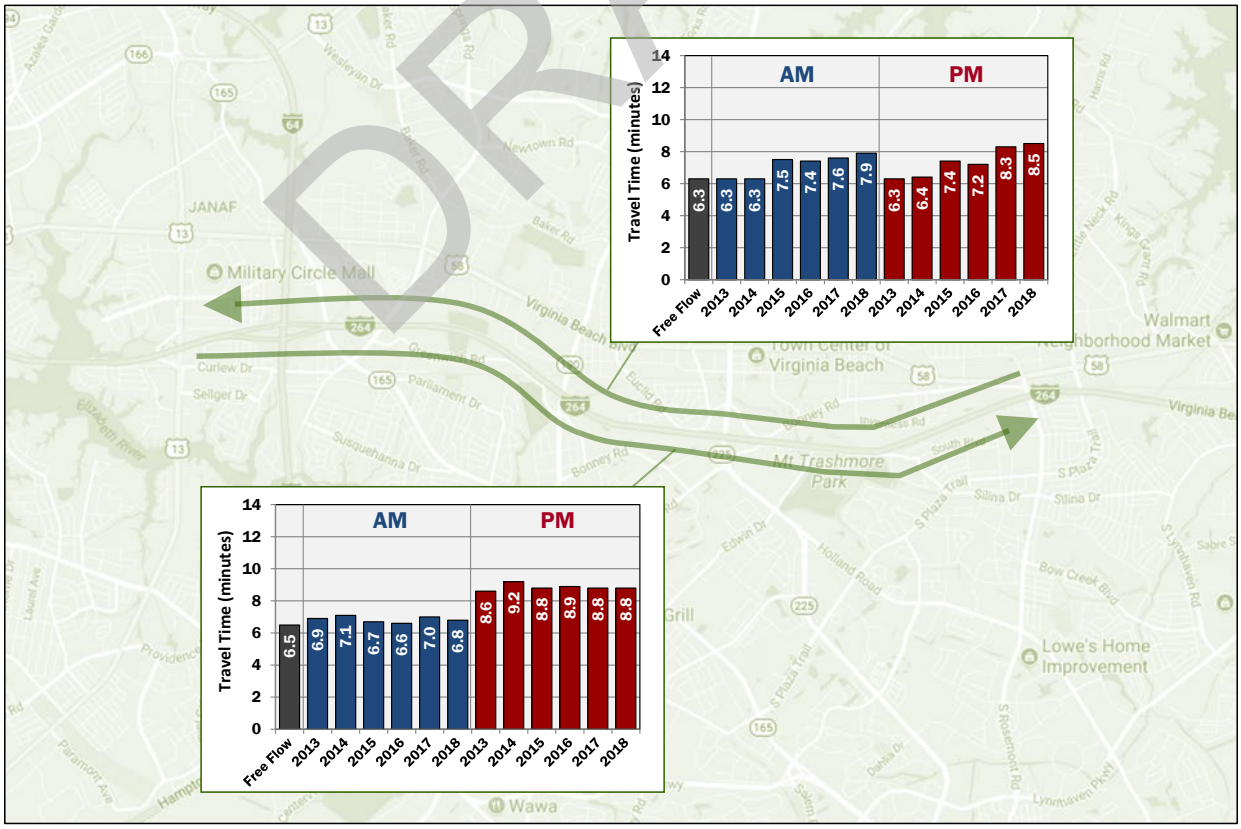


Figure 16 – I-264 Norfolk/Virginia Beach Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

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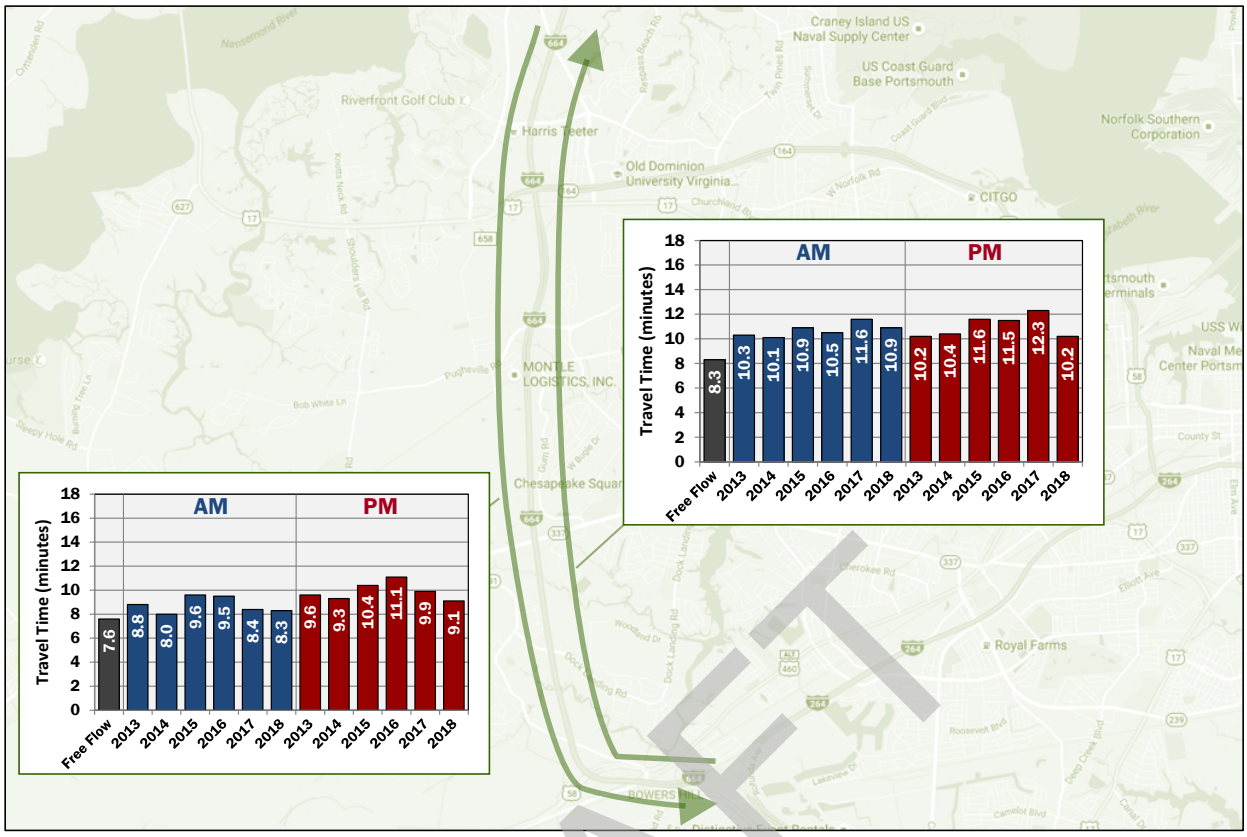


Figure 17 – I-664 Southside Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.



Figure 18 – Chesapeake Expressway Average Weekday Travel Time (in minutes)

Source: HRTPO analysis of INRIX data.

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Congestion Duration

In prior CMP documents, HRTPO staff calculated roadway congestion levels using traffic volumes and roadway characteristics without determining congestion duration as the data was unavailable. The duration of congestion on roadway segments can now be measured using INRIX travel time and speed data.

HRTPO staff determined the duration of congestion during each peak period for each roadway segment with INRIX data. Congestion levels were determined by direction for each of the 15-minute intervals during the AM Peak Period (5:00 am to 9:00 am) and the PM Peak Period (3:00 pm to 7:00 pm) using the severe congestion thresholds shown previously in Figure 2 on page 6. Each roadway segment may be congested for up to 16 15-minute intervals during each peak period.

Figure 19 on page 24 shows the six freeway and sixteen arterial segments that are severely congested for at least two hours (or 8 15-minute intervals) during the AM Peak Period. Freeway segments that are congested for at least two hours in the morning peak include I-564 approaching Naval Station Norfolk, the eastbound Hampton Roads Bridge-Tunnel approach, the westbound (towards Virginia Beach) High Rise Bridge approach, and the northbound Chesapeake Expressway at the interchange with I-64.

Figure 20 on pages 25-26 shows the 20 freeway and 42 arterial segments throughout Hampton Roads that are congested for at least three hours (or 12 15-minute intervals) during the PM Peak Period. Similar to the AM Peak Period, most of the freeway segments with the longest congestion duration during the PM Peak Period are at the region's bridges and tunnels. Six of the eight freeway segments that are congested for all four hours in the PM Peak Period are approaches to the Hampton Roads Bridge-Tunnel.

There are sixteen arterial segments that are congested for all four hours during the PM Peak Period. These arterial segments include portions of Battlefield Boulevard, Brambleton Avenue, Campostella Road,


HRBT Backup in Hampton VDOT

George Washington Highway in Deep Creek, Little Creek Road, Mercury Boulevard, the Fourth View Street approach to the Hampton Roads Bridge-Tunnel, and the St. Paul's Boulevard approach to the Downtown Tunnel.

Congestion duration information is available for each CMP Roadway Network segment in **Appendix B**, and **Appendices E-5 to E-8** contain maps showing the congestion duration for each roadway segment during the AM and PM Peak Periods.

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	# of Severely Congested 15-Minute Intervals
Norfolk	I-564	Terminal Blvd	Admiral Taussig Blvd	NB	-	12
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	11
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	11
Chesapeake	Chesapeake Expressway	Dominion Blvd	I-64	NB	-	9
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	9
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	8

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	# of Severely Congested 15-Minute Intervals
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	13
James City	Route 60	Route 199	Centerville Rd	SB	-	12
Newport News	Yorktown Rd	I-64	Jefferson Ave	EB	-	12
Norfolk	Princess Anne Rd	Colley Ave	Hampton Blvd	WB	-	12
Chesapeake	Battlefield Blvd	Great Bridge Bypass	Great Bridge Blvd/Kempsville Rd	SB	-	11
Hampton	Aberdeen Rd	I-664	Pembroke Ave	SB	-	11
Virginia Beach	Independence Blvd	Northampton Blvd	Shore Dr	NB	-	10
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	9
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	9
Virginia Beach	First Colonial Rd	I-264	Virginia Beach Blvd	SB	-	9
Chesapeake	Freeman Ave	Bainbridge Blvd	I-464	WB	-	8
Chesapeake	Pughsville Rd	I-664	Taylor Rd	EB	-	8
Hampton	Powhatan Pkwy	I-664	Pembroke Ave	SB	-	8
Norfolk	Chesapeake Blvd	Lafayette Blvd	Cromwell Rd	NB	-	8
Portsmouth	Portsmouth Blvd	Victory Blvd	Airline Blvd	EB	-	8
Virginia Beach	Drakesmile Rd	Dam Neck Rd	Shipps Corner Rd	NB	-	8

Figure 19 – Roadway Segments that are Severely Congested for at Least Two Hours – 2018 AM Peak Period

Source: HRTPO analysis of INRIX data. # of severely congested 15-minute intervals represents the total number of intervals during the peak period where the travel time index exceeds the threshold for severe congestion. Each peak period includes a total of 16 15-minute intervals.

The following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	# of Severely Congested 15-Minute Intervals
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	16
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	16
Hampton/Norfolk	I-64/HRBT	Ocean View Ave	Mallory St	WB	HRBT	16
Newport News	I-664	23rd St	Terminal Ave	SB	MMMBT	16
Norfolk	I-64	Granby St	Bay Ave	WB	HRBT	16
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	16
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	16
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	16
Chesapeake	I-64	Battlefield Blvd	I-464	EB	HIGH RISE	15
Norfolk	I-64	Virginia Beach CL	I-264	WB	I-64/I-264	15
Norfolk	I-64	I-564/Little Creek Rd	Granby St	WB	HRBT	14
Chesapeake	I-64	Greenbrier Pkwy	Battlefield Blvd	EB	HIGH RISE	13
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	13
Newport News	I-664	Chestnut Ave	23rd St	SB	MMMBT	13
Hampton/Norfolk	I-64/HRBT	Mallory St	Ocean View Ave	EB	HRBT	12
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	12
Norfolk	I-64	Military Hwy	Northampton Blvd	EB	I-64/I-264	12
Norfolk	I-264/Berkley Bridge	Waterside/City Hall/Tidewater Dr	I-464	WB	DT	12
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	12
Virginia Beach	I-264	Newtown Rd	Witchduck Rd	EB	-	12

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	# of Severely Congested 15-Minute Intervals
Chesapeake	Battlefield Blvd	Johnstown Rd	Cedar Rd	NB	-	16
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	16
Chesapeake	George Washington Hwy	I-64	Moses Grandy Trail @ Hinton Ave	SB	-	16
Chesapeake	Pughsville Rd	I-664	Taylor Rd	EB	-	16
Hampton	Mercury Blvd	I-64	Power Plant Pkwy	WB	-	16
Hampton	Powhatan Pkwy	I-664	Pembroke Ave	SB	-	16
James City	Route 60	Route 199	Centerville Rd (Route 614)	WB	-	16
Norfolk	Brambleton Ave	I-264	Park Ave	WB	-	16
Norfolk	Brambleton Ave	Park Ave	Tidewater Dr	WB	-	16
Norfolk	Campostella Rd	Wilson Rd	Indian River Rd	SB	-	16
Norfolk	Fourth View St	I-64	Ocean View Ave	SB	HRBT	16
Norfolk	Little Creek Rd	Sewells Point Rd	Tidewater Dr	WB	-	16
Norfolk	Little Creek Rd	Military Hwy	Chesapeake Blvd	WB	-	16
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	16
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	SB	DT	16
Virginia Beach	Pacific Ave	22nd St	21st St	NB	-	16
Chesapeake	Battlefield Blvd	Great Bridge Bypass	Great Bridge Blvd/Kempsville Rd	SB	-	15
Chesapeake	Greenbrier Pkwy	I-64	Military Hwy	NB	-	15
Newport News	Jefferson Ave	35th St	25th St	SB	-	15
Newport News	Oyster Point Rd	I-64	Canon Blvd	WB	-	15
Norfolk	Newtown Rd	I-264	Virginia Beach Blvd	NB	-	15
Portsmouth	Towne Point Rd	Twin Pines Rd	Western Freeway	SB	-	15

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Figure 20 – Roadway Segments that are Severely Congested for at Least Three Hours – 2018 PM Peak Period

Source: HRTPO analysis of INRIX data. # of severely congested 15-minute intervals represents the total number of intervals during the peak period where the travel time index exceeds the threshold for severe congestion. Each peak period includes a total of 16 15-minute intervals.

The following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

Arterials (continued)

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	# of Severely Congested 15-Minute Intervals
Hampton	Woodland Rd	County St	I-64	SB	HRBT	14
Norfolk	Chesapeake Blvd	I-64	Little Creek Rd	NB	-	14
Norfolk	Military Hwy	Virginia Beach Blvd	Princess Anne Rd/Northampton Blvd	NB	-	14
Norfolk	Military Hwy	Azalea Garden Rd	Norview Ave	NB	-	14
Norfolk	Military Hwy	I-64	Princess Anne Rd/Northampton Blvd	SB	-	14
Norfolk	Newtown Rd	Virginia Beach Blvd	I-264	SB	-	14
Norfolk	Northampton Blvd	I-64	Military Hwy	WB	-	14
Norfolk	Tidewater Dr	Brambleton Ave	Princess Anne Rd	SB	-	14
Norfolk	Tidewater Dr	Norview Ave	Cromwell Dr	SB	-	14
Suffolk	College Dr	Hampton Roads Pkwy	I-664	SB	-	14
Suffolk	Main St	Washington St	Constance Rd	NB	-	14
Chesapeake	Battlefield Blvd	Great Bridge Blvd/Kempsville Rd	Cedar Rd	SB	-	13
Chesapeake	Military Hwy	Campostella Rd	I-464	WB	GILM	13
Hampton	Mallory St	County St	I-64	WB	HRBT	13
Hampton	Rip Rap Rd	I-64	Armistead Ave	WB	-	13
Hampton	Settlers Landing Rd	Pembroke Ave	LaSalle Ave	EB	-	13
James City/Williamsburg	Route 199	John Tyler Hwy	Jamestown Rd	EB	-	13
Newport News	J Clyde Morris Blvd	I-64	Harpersville Rd	NB	-	13
Newport News	Warwick Blvd	Bland Blvd	Denbigh Blvd	SB	-	13
Norfolk	Chesapeake Blvd	Lafayette Blvd	Cromwell Dr	NB	-	13
Norfolk	Church St	Brambleton Ave	Virginia Beach Blvd	NB	-	13
Norfolk	Tidewater Dr	City Hall Ave	Brambleton Ave	NB	-	13
Norfolk	Tidewater Dr	Granby St	Ocean View Ave	NB	-	13
Portsmouth	Portsmouth Blvd	I-264	Airline Blvd	WB	-	13
Virginia Beach	Dam Neck Rd	London Bridge Rd	Holland Rd	WB	-	13
Virginia Beach	Kempsville Rd	Providence Rd	Indian River Rd	SB	-	13
Virginia Beach	Lynnhaven Pkwy	I-264	Virginia Beach Blvd	NB	-	13
Chesapeake	Kempsville Rd	Greenbrier Pkwy	Battlefield Blvd	WB	-	12
Chesapeake	Moses Grandy Trail	Dominion Blvd	GW Hwy @ Hinton Ave	WB	-	12
Hampton	Hampton Roads Center Pkwy	Big Bethel Rd	I-64	WB	-	12
Hampton	Pembroke Ave	Settlers Landing Rd	LaSalle Ave	EB	-	12
Hampton	Rip Rap Rd	Armistead Ave	I-64	NB	-	12
Hampton	Settlers Landing Rd	Eaton St	I-64	EB	-	12
Norfolk	27th St	Church St	Monticello Ave	WB	-	12
Norfolk	Colley Ave	27th St	26th St	SB	-	12
Norfolk	Hampton Blvd	21st St	Brambleton Ave	SB	-	12
Norfolk	Newtown Rd	I-264	Kempsville Rd	SB	-	12
Portsmouth	Effingham St	High St	I-264	SB	DT	12
Portsmouth	Victory Blvd	I-264	Airline Blvd	WB	-	12
Virginia Beach	First Colonial Rd	Virginia Beach Blvd	I-264	NB	-	12
Virginia Beach	Indian River Rd	I-64	Centerville Tpke	EB	-	12
Virginia Beach	Pacific Ave	21st St	Virginia Beach Blvd	NB	-	12

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Figure 20 (continued) – Roadway Segments that are Severely Congested for at Least Three Hours – 2018 PM Peak Period

Source: HRTPO analysis of INRIX data. # of severely congested 15-minute intervals represents the total number of intervals during the peak period where the travel time index exceeds the threshold for severe congestion. Each peak period includes a total of 16 15-minute intervals.

In the following tables, the following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

Total Delay

Although the travel time index describes the level of congestion that each roadway user experiences, it does not measure the total congestion present on the roadway segment. Total delay on each roadway segment takes into account both the congestion level and the volume of users (or vehicles) that each roadway carries.

HRTPO staff calculated the total amount of delay that occurs on each roadway segment by direction during each peak period. This required combining the average and free flow travel speeds based on the INRIX data with the traffic volume data during the same period. Total delay (in hours) was calculated by direction per 15-minute interval for each roadway segment where INRIX data was available using the following equation:

$$\text{Total Delay} = \left(\text{Average Travel Time} - \text{Free flow Travel Time}\right) \times \text{Volume}$$

These 15-minute delay values were summed to produce a total delay value in vehicle-hours for both the entire AM Peak Period and PM Peak Period. Roadway segments in the CMP Roadway Network vary greatly in length, so this total delay was divided by the total length of the segment to produce a total delay per mile value for each peak period.

Figure 21 on page 28 shows the top 25 freeway segments and top 25 arterial segments in terms of highest total delay per mile during the AM Peak Period. Freeway segments with the highest delay per mile not only include approaches to the Hampton Roads Bridge-Tunnel, Downtown Tunnel, and High Rise Bridge but also include the northbound Chesapeake Expressway approaching the I-64/I-464 interchange and I-564 approaching Naval Station Norfolk. Top arterial segments include sections of St. Pauls Boulevard, Tidewater Drive, Battlefield Boulevard, Independence Boulevard, and Woodland Road approaching the Hampton Roads Bridge-Tunnel.

Figure 22 on page 29 shows the top 25 freeway segments and top 25 arterial segments in terms of



Western Freeway approaching the Midtown Tunnel HRTPO

highest total delay per mile during the PM Peak Period. Most of the freeway segments with the highest delay per mile during the PM Peak Period are approaches to the Hampton Roads Bridge-Tunnel, High Rise Bridge, I-64/I-264 Interchange, Monitor-Merrimac Memorial Bridge-Tunnel, and Downtown Tunnel. In terms of arterials, southbound St. Pauls Boulevard approaching the entrance ramp to I-264/Downtown Tunnel has the most delay per mile, followed by sections of Battlefield Boulevard, Indian River Road, and Mercury Boulevard.

Total delay information is available for every CMP Roadway Network segment in **Appendix C**, and **Appendices E-9 to E-12** contain maps showing total delay per mile for each roadway segment during the AM and PM Peak Periods.

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Delay per Mile
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	348.5
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	288.6
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	199.2
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	198.2
Chesapeake	Chesapeake Expressway	Dominion Blvd	I-64	NB	-	174.2
Norfolk	I-564	Terminal Blvd	Admiral Taussig Blvd	NB	-	151.4
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	142.5
Norfolk	I-464	South Main St	I-264	NB	DT	131.4
Chesapeake	I-464	Poindexter St	Norfolk CL	NB	DT	92.5
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	91.8
Norfolk	I-464	Chesapeake CL	South Main St	NB	DT	91.5
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	87.7
Norfolk	I-64	Virginia Beach CL	I-264	WB	I-64/I-264	75.2
Chesapeake	Chesapeake Expressway	Battlefield Blvd (N. of Great Bridge)	Dominion Blvd	NB	-	66.2
Norfolk	I-64	Chesapeake Blvd	Tidewater Dr	WB	-	63.9
Norfolk	I-64	Norview Ave	Chesapeake Blvd	WB	-	62.9
Norfolk	I-564	Terminal Blvd	I-64	NB	-	61.8
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	53.4
Portsmouth	I-264	Frederick Blvd	Des Moines Ave	EB	DT	49.0
Hampton/Norfolk	I-64/HRBT	Mallory St	Ocean View Ave	EB	HRBT	43.0
Portsmouth	Western Freeway	West Norfolk Rd	MLK Freeway/Midtown Tunnel	EB	MT	42.9
Portsmouth	Western Freeway	Cedar Ln	West Norfolk Rd	EB	MT	41.3
Suffolk	I-664	Western Freeway	College Dr	NB	MMMBT	39.9
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	39.8
Hampton/Norfolk	I-64/HRBT	Ocean View Ave	Mallory St	WB	HRBT	39.4

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Delay per Mile
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	206.1
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	154.3
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	137.2
Virginia Beach	Independence Blvd	I-264	Baxter Rd	SB	-	91.9
Hampton	Woodland Rd	County St	I-64	SB	HRBT	91.3
Virginia Beach	Rosemont Rd	I-264	Virginia Beach Blvd	NB	-	89.0
Virginia Beach	First Colonial Rd	Virginia Beach Blvd	I-264	SB	-	82.3
Norfolk	Northampton Blvd	Wesleyan Dr	I-64	WB	-	78.9
Virginia Beach	Witchduck Rd	I-264	Virginia Beach Blvd	NB	-	75.2
Virginia Beach	Independence Blvd	Holland Rd	Baxter Rd	NB	-	73.2
Norfolk	Admiral Taussig Blvd	I-564	Hampton Blvd	WB	-	71.4
Norfolk	St. Pauls Blvd	I-264 Ramp/MacArthur Mall	Brambleton Ave	NB	-	70.9
Virginia Beach	Witchduck Rd	Princess Anne Rd	I-264	NB	-	70.8
Norfolk	Military Hwy	I-64	Princess Anne Rd/Northampton Blvd	SB	-	63.6
Norfolk	Northampton Blvd	I-64	Kempsville Rd	WB	-	61.5
Virginia Beach	Indian River Rd	Ferrell Pkwy	Kempsville Rd	WB	-	57.3
Newport News	Oyster Point Rd	I-64	Canon Blvd	WB	-	56.6
Hampton	Woodland Rd	Mercury Blvd	County St	SB	-	55.6
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	SB	DT	55.3
Norfolk/Virginia Beach	Newtown Rd	Baker Rd	Virginia Beach Blvd	SB	-	54.7
Hampton	Settlers Landing Rd	Eaton St	I-64	EB	HRBT	53.7
Norfolk	Northampton Blvd	I-64	Wesleyan Dr	NB	-	52.3
Norfolk	Brambleton Ave	I-264	Park Ave	WB	-	52.0
Hampton	Mercury Blvd	I-64	Power Plant Pkwy	WB	-	51.9
Norfolk	Hampton Blvd	Terminal Blvd	Admiral Taussig Blvd	NB	-	50.5

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Figure 21 – Roadway Segments with the Highest Total Delay per Mile – 2018 AM Peak Period

Source: HRTPO analysis of INRIX data. Total hours of delay per mile is comprised of the sum of the delay that each vehicle experiences during the peak period divided by the total length of the segment.

In the following tables, the following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Delay per Mile
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	519.5
Chesapeake	I-64	Battlefield Blvd	I-464	EB	HIGH RISE	484.1
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	435.0
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	408.9
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	373.1
Newport News	I-664	23rd St	Terminal Ave	SB	MMMBT	330.4
Norfolk	I-64	Granby St	Bay Ave	WB	HRBT	316.2
Newport News	I-664	Chestnut Ave	23rd St	SB	MMMBT	251.6
Norfolk	I-264	Brambleton Ave	Waterside/City Hall/Tidewater Dr	WB	DT	236.2
Norfolk	I-264/Berkley Bridge	Waterside/City Hall/Tidewater Dr	I-464	WB	DT	227.2
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	227.0
Norfolk	I-264	I-64	Newtown Rd	EB	I-64/I-264	222.7
Norfolk	I-264	Newtown Rd	I-64	WB	I-64/I-264	207.0
Virginia Beach	I-264	Newtown Rd	Witchduck Rd	EB	-	202.8
Norfolk	I-64	I-564/Little Creek Rd	Granby St	WB	HRBT	200.7
Norfolk	I-64	Virginia Beach CL	I-264	WB	I-64/I-264	197.5
Chesapeake	I-64	Greenbrier Pkwy	Battlefield Blvd	EB	HIGH RISE	194.2
Norfolk	I-64	Norview Ave	Chesapeake Blvd	EB	-	159.0
Norfolk	I-64	Chesapeake Blvd	Tidewater Dr	EB	-	156.6
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	152.9
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	130.9
Norfolk/Portsmouth	I-264/Downtown Tunnel	I-464	Effingham St	WB	DT	125.3
Norfolk	I-64	I-564/Little Creek Rd	Tidewater Dr	EB	-	123.8
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	121.5
Hampton/Norfolk	I-64/HRBT	Ocean View Ave	Mallory St	WB	HRBT	120.8

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Delay per Mile
Norfolk	St. Pauls Blvd	I-264 Ramp/MacArthur Mall	City Hall Ave	SB	DT	433.8
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	398.7
Virginia Beach	Indian River Rd	I-64	Centerville Tpke	EB	-	338.6
Hampton	Mercury Blvd	I-64	Power Plant Pkwy	WB	-	304.4
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	228.7
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	217.5
Hampton	Woodland Rd	County St	I-64	SB	HRBT	215.6
Norfolk	St. Pauls Blvd	Brambleton Ave	I-264 Ramp/MacArthur Mall	SB	DT	204.6
Chesapeake	Greenbrier Pkwy	I-64	Woodlake Dr	NB	-	203.9
Chesapeake	Battlefield Blvd	Great Bridge Blvd/Kempsville Rd	Cedar Rd	SB	-	199.1
Virginia Beach	Indian River Rd	Centerville Tpke	Kempsville Rd	EB	-	193.1
Norfolk	Tidewater Dr	Norview Ave	Cromwell Dr	SB	-	186.0
Norfolk	Brambleton Ave	I-264	Park Ave	WB	-	183.5
Norfolk	Campostella Rd	Wilson Rd	Indian River Rd	SB	-	179.4
Chesapeake	George Washington Hwy	I-64	Moses Grandy Trail @ Hinton Ave	SB	-	178.5
Chesapeake	Greenbrier Pkwy	I-64	Eden Way	SB	-	177.5
Norfolk	Newtown Rd	I-264	Virginia Beach Blvd	NB	-	176.2
Hampton	Mercury Blvd	I-64	Coliseum Dr	EB	-	176.1
Virginia Beach	Witchduck Rd	Virginia Beach Blvd	I-264	SB	-	172.9
Virginia Beach	Rosemont Rd	I-264	Virginia Beach Blvd	NB	-	172.3
Virginia Beach	Witchduck Rd	I-264	Virginia Beach Blvd	NB	-	167.6
Norfolk	Tidewater Dr	Princess Anne Rd	Virginia Beach Blvd	SB	-	166.2
Norfolk	Little Creek Rd	Military Hwy	Chesapeake Blvd	WB	-	162.0
Norfolk	Military Hwy	Virginia Beach Blvd	Princess Anne Rd/Northampton Blvd	NB	-	161.0
Hampton	Mercury Blvd	Cunningham Dr	Armistead Ave	EB	-	151.4

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Figure 22 – Roadway Segments with the Highest Total Delay per Mile – 2018 PM Peak Period

Source: HRTPO analysis of INRIX data. Total hours of delay per mile is comprised of the sum of the delay that each vehicle experiences during the peak period divided by the total length of the segment.

In the following tables, the following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

Travel Time Reliability

Although roadway congestion is prevalent in many areas of Hampton Roads, congestion levels are not always the same each day. Congestion levels can vary greatly from day to day due to a variety of factors such as crashes, bad weather, special events, or work zones (**Figure 23**).

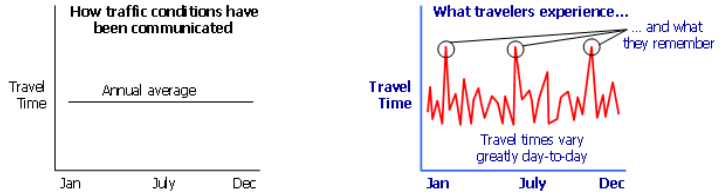


Figure 23 – Average versus Daily Travel Times
Source: FHWA.

Travel time "reliability" is defined as how steady travel times are over the course of time, as measured generally from day to day. The reliability of travel times is very important for many people, such as those that must arrive on time to work or an appointment, catch a flight at the airport, or pick up children from day care. The consistency and dependability of travel times is critical for many of these roadway users, so analyzing not only average congestion levels but also the travel time reliability of the regional roadway network is important.

There are a number of measures that are used to describe the travel time reliability of roadway segments. Among these measures are the "buffer index" and the "planning time index", which are both shown in **Figure 24**. The buffer index uses the buffer time – which is the extra time that travelers must add to their average travel time when planning trips to ensure that they will arrive on-time 95 percent of the time – to measure travel time reliability compared to typical conditions. The buffer index has a minimum value of zero and increases as the roadway network becomes less reliable.

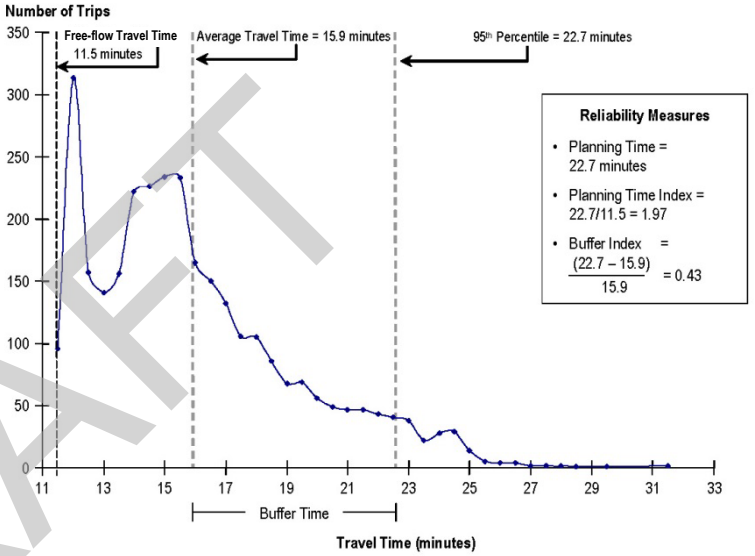
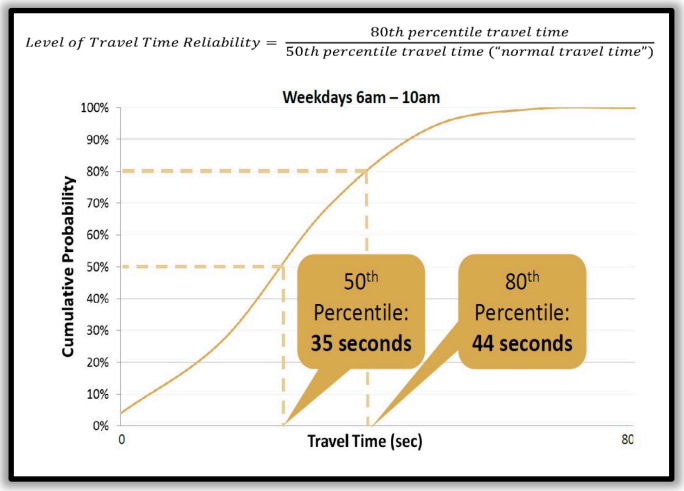


Figure 24 – Relationship between Various Delay and Reliability Measures
Source: FHWA.

The planning time index measures reliability by comparing travel times during some of the most congested conditions with travel times in free-flow, uncongested conditions. The planning time index is generally greater than or equal to one and increases as the roadway network becomes more congested and less reliable.

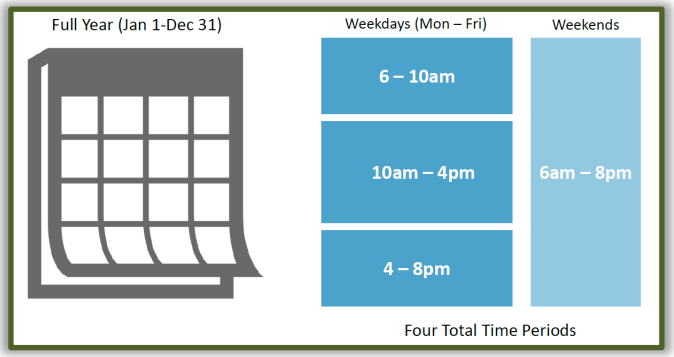
The reliability of the system can also be calculated using a new metric referred to as the Level of Travel Time Reliability (LOTTR). The LOTTR is defined as the ratio of the 80th percentile travel time to the mean (50th percentile) travel time. An example of this calculation is shown below, using travel time information that is collected throughout the year on each segment in 15-minute intervals:

$$Level\ of\ Travel\ Time\ Reliability = \frac{80th\ percentile\ travel\ time}{50th\ percentile\ travel\ time\ (\text{“}normal\ travel\ time\text{”})}$$



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Travel times throughout the year are divided into four reporting periods: weekday morning peak, weekday midday, weekday afternoon peak, and weekends. The time of day that each period represents is shown below:



A LOTTR ratio is calculated for each roadway segment by direction for each of these time periods over the course of an entire year. This produces a total of four LOTTR ratios for each directional segment. Segments are considered to be not reliable if any of these four LOTTR ratios are 1.50 or greater. For a segment to be classified as reliable, all four LOTTR ratios must be below 1.50. An example of this calculation is shown below:

$$\frac{\text{Longer Travel Time (80th)}}{\text{Normal Travel Time (50th)}} = \frac{\text{\# seconds}}{\text{\# seconds}} = \text{Level of Travel Time Reliability Ratio}$$

Level of Travel Time Reliability (LOTTR) *(Single Segment, Interstate Highway System)*		
Monday – Friday	6am – 10am	LOTTR = $\frac{44 \text{ sec}}{35 \text{ sec}} = 1.26$
	10am – 4pm	LOTTR = 1.39
	4pm – 8pm	LOTTR = 1.54
Weekends	6am – 8pm	LOTTR = 1.31
Must exhibit LOTTR below 1.50 during **all** of the time periods		Segment is not reliable

As described in Part I of this report, the HRTPO established four-year performance targets (2018-2021) of greater than 82% of the Interstate travel in the region being reliable, and greater than 82.5% of the Non-Interstate National Highway System (NHS) travel being reliable. Both of these percentages match the statewide targets established by the Commonwealth Transportation Board (CTB).

Figure 25 on page 32 shows the top 25 freeway segments and top 25 arterial segments in terms of the



Level of Travel Time Reliability (LOTTR). Five of the top six freeway segments with the highest LOTTR are approaches to the Hampton Roads Bridge-Tunnel. Approaches to the Monitor-Merrimac Memorial Bridge Tunnel, Downtown Tunnel, and High Rise Bridge are also on the list of freeway segments with the highest LOTTR.

In terms of arterials, five of the top six segments with the highest LOTTR are approaches to the Hampton Roads Bridge-Tunnel. Other arterial segments with the highest LOTTR include approaches to the Downtown Tunnel and short segments of Chesapeake Boulevard, Freeman Avenue, Pacific Avenue, Commander Shepard Boulevard, and Tidewater Drive.

Appendices E-13 and E-14 contain maps showing the Level of Travel Time Reliability for each roadway segment, and **Appendices E-15 and E-16** contain maps showing the number of unreliable periods for each segment. LOTTR information for each roadway segment is also shown in **Appendix C**.

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Level of Travel Time Reliability (LOTTR)
Norfolk	I-64	Granby St	Bay Ave	WB	HRBT	4.08
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	3.61
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	3.40
Norfolk	I-64	I-564/Little Creek Rd	Granby St	WB	HRBT	3.31
Newport News	I-664	Chestnut Ave	23rd St	SB	MMMBT	3.28
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	2.75
Newport News	I-664	23rd St	Terminal Ave	SB	MMMBT	2.71
Norfolk	I-264	Brambleton Ave	Waterside/City Hall/Tidewater Dr	WB	DT	2.67
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	2.66
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	2.61
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	2.60
Norfolk	I-464	South Main St	I-264	NB	DT	2.40
Chesapeake	I-64	Battlefield Blvd	I-464	EB	HIGH RISE	2.27
Norfolk	I-264/Berkley Bridge	Waterside/City Hall/Tidewater Dr	I-464	WB	DT	2.26
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	2.25
Norfolk	I-564	Terminal Blvd	Admiral Taussig Blvd	NB	-	2.24
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	2.03
Chesapeake	Chesapeake Expressway	Dominion Blvd	I-64	NB	-	1.99
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	1.82
Newport News	I-64	Fort Eustis Blvd	Yorktown Rd	WB	-	1.81
Norfolk	I-64	Virginia Beach CL	I-264	WB	I-64/I-264	1.72
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	1.69
Chesapeake/Norfolk	I-464	Poindexter St	South Main St	NB	DT	1.61
Chesapeake	I-64	Greenbrier Pkwy	Battlefield Blvd	EB	HIGH RISE	1.58
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	1.45

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Level of Travel Time Reliability (LOTTR)
Hampton	Woodland Rd	Mercury Blvd	County St	SB	HRBT	3.00
Hampton	Mallory St	County St	I-64	WB	HRBT	2.55
Norfolk	Fourth View St	Ocean View Ave	I-64	SB	HRBT	2.50
Hampton	Woodland Rd	County St	I-64	SB	HRBT	2.27
Norfolk	Chesapeake Blvd	Lafayette Blvd	Cromwell Dr	NB	-	2.25
Hampton	Settlers Landing Rd	Eaton St	I-64	EB	HRBT	2.23
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	2.15
Norfolk	St. Pauls Blvd	I-264 Ramp/MacArthur Mall	City Hall Ave	SB	DT	2.14
Chesapeake	Freeman Ave	Bainbridge Blvd	I-464	WB	-	2.01
Virginia Beach	Pacific Ave	21st St	22nd St	NB	-	1.94
Portsmouth	Effingham St	High St	I-264	SB	DT	1.94
Hampton	Commander Shepard Blvd	Magruder Blvd/Neil Armstrong Pkwy	Wythe Creek Rd	SB	-	1.94
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	1.89
Virginia Beach	Lynnhaven Pkwy	I-264	Virginia Beach Blvd	NB	-	1.89
Hampton	Aberdeen Rd	I-664	Pembroke Ave	SB	-	1.88
Chesapeake	Freeman Ave	I-464	Bainbridge Blvd	EB	-	1.87
Virginia Beach	Rosemont Rd	I-264	Virginia Beach Blvd	NB	-	1.87
Portsmouth	High St	Frederick Blvd	Airline Blvd	EB	-	1.85
Hampton	Mallory St	Mercury Blvd	County St	WB	HRBT	1.84
Norfolk	Little Creek Rd	Military Hwy	Chesapeake Blvd	WB	-	1.83
Norfolk	Chesapeake Blvd	Cromwell Dr	Lafayette Blvd	SB	-	1.83
Chesapeake	Battlefield Blvd	Great Bridge Bypass	Great Bridge Blvd/Kempsville Rd	SB	-	1.82
Newport News	Jefferson Ave	35th St	25th St	SB	MMMBT	1.80
Norfolk	Church St	Brambleton Ave	Virginia Beach Blvd	NB	-	1.79
Portsmouth	Portsmouth Blvd	Deep Creek Blvd	Frederick Blvd	EB	-	1.79

Figure 25 – Roadway Segments with the Highest Level of Travel Time Reliability (LOTTR) – 2018

Source: HRTPO analysis of INRIX data.

In the following tables, the following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

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Freight Movement

Freight movement is a critical component of the Hampton Roads economy, and trucks are the primary mode for moving freight to and from the Port of Virginia. Trucks also supply the goods used by each resident and business in the region.

Ensuring the efficient movement of freight is necessary since so many companies rely on just-in-time delivery of goods for their supply chains. Delays and uncertainty in the movement of freight contribute to higher manufacturing costs and additional inventory levels which not only impact the economic competitiveness of these businesses but can also lead to higher costs of goods for consumers.

Three measures are used in this CMP to measure the impact of congestion on freight movement. These measures include:

- Weekday Number of Trucks
- Truck Delay
- Truck Travel Time Reliability

Each of these measures is described below.

Weekday Number of Trucks

A simple measure of the impact of trucks on a particular roadway is the number of trucks that use the roadway each day. As part of its Traffic Monitoring Program, VDOT collects vehicle classification data at about one-third of the count locations statewide. For the remaining locations, VDOT provides an estimate of the percentage of vehicles that are trucks, and the percentage can be applied to the roadway's weekday traffic volume to estimate the number of trucks.

Appendix C includes information on the number of trucks that use each roadway segment each weekday.

Truck Delay

One of the metrics used to measure congestion levels in this report is total delay. As stated previously, measuring the total delay on each roadway segment takes into account both the congestion level and the volume of users (or vehicles) that each roadway carries. The method to calculate truck delay is the same as the method to calculate total delay, except that the number of trucks is used in place of the total number of vehicles to account only for that delay experienced by freight movement.



Midtown Tunnel HRTPO

Figure 26 on page 34 shows the top 25 freeway segments and top 25 arterial segments in terms of highest total truck delay per mile during the AM Peak Period. Freeway segments with the highest truck delay per mile are largely comprised of approaches to the High Rise Bridge, Hampton Roads Bridge-Tunnel, and Downtown Tunnel. Top arterial segments include a section of Route 460 in Windsor, a section of Tidewater Drive in Norfolk, and a section of Greenbrier Parkway in Chesapeake.

Figure 27 on page 35 shows the top 25 freeway segments and top 25 arterial segments in terms of highest total truck delay per mile during the PM Peak Period. The top ten freeway segments with the highest truck delay per mile are approaches to the Monitor-Merrimac Memorial Bridge-Tunnel, Hampton Roads Bridge-Tunnel, High Rise Bridge, and Downtown Tunnel. In terms of arterials, sections of Indian River Road and Tidewater Drive comprised the top four segments with the highest truck delay per mile.

Total truck delay information is available for every CMP roadway segment in **Appendix C**, and **Appendices E-17 to E-20** contain maps showing total truck delay per mile for each roadway segment during the AM and PM Peak Periods.

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Truck Delay per Mile
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	14.4
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	12.5
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	11.1
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	8.2
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	7.9
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	7.1
Chesapeake	Chesapeake Expressway	Dominion Blvd	I-64	NB	-	6.8
Norfolk	I-464	South Main St	I-264	NB	DT	5.1
Chesapeake/Norfolk	I-464	Poindexter St	South Main St	NB	DT	4.5
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	4.1
Portsmouth	I-264	Ferderick Blvd	MLK Freeway	EB	DT	3.4
Norfolk	I-564	Terminal Blvd	Admiral Taussig Blvd	NB	-	2.5
Suffolk	I-664	Western Fwy	College Dr	NB	MMMBT	2.3
Norfolk	I-64	Virgina Beach CL	I-264	WB	I-64/I-264	2.2
Norfolk/Portsmouth	I-264/Downtown Tunnel	I-464	Effingham St	WB	DT	2.1
Portsmouth	Western Freeway	West Norfolk Rd	MLK Freeway/Midtown Tunnel	EB	MT	2.1
Suffolk	I-664	Bridge Rd	Western Fwy	NB	MMMBT	1.8
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	1.7
Norfolk	I-64	Norview Ave	Chesapeake Blvd	WB	-	1.6
Portsmouth	Western Freeway	Cedar Ln	West Norfolk Rd	EB	MT	1.6
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	1.4
Chesapeake	I-64	I-464	George Washington Hwy	EB	HIGH RISE	1.4
Hampton/Norfolk	I-64/HRBT	Mallory St	Ocean View Ave	EB	HRBT	1.4
Suffolk	I-664	Chesapeake CL	Bridge Rd	NB	-	1.3
Chesapeake	I-664	Pughsville Rd	Suffolk CL	NB	-	1.3

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Truck Delay per Mile
Isle of Wight	Route 460	Court St (Route 610)	Route 258	WB	-	3.1
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	3.1
Isle of Wight	Route 460	Route 258	Court St (Route 610)	EB	-	2.8
Chesapeake	Greenbrier Pkwy	I-64	Woodlake Dr	NB	-	2.5
Norfolk	Brambleton Ave	Boush St	St. Pauls Blvd	EB	-	2.4
Norfolk	Northampton Blvd	I-64	Wesleyan Dr	EB	-	2.2
Norfolk	Northampton Blvd	Wesleyan Dr	I-64	WB	-	2.2
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	2.1
Norfolk	Virginia Beach Blvd	Ingleside Rd	Ballentine Blvd	WB	-	2.0
Norfolk	Hampton Blvd	Brambleton Ave	21st St	NB	-	1.9
Norfolk	Virginia Beach Blvd	Azalea Garden Rd	Ingleside Rd	WB	-	1.9
Isle of Wight	Benns Church Blvd	South Church St	Turner Dr	SB	-	1.8
Norfolk	Campostella Rd	South End Campostella Bridge	I-264	NB	-	1.8
Norfolk	Ballentine Blvd	Virginia Beach Blvd	I-264	SB	-	1.8
Norfolk	Brambleton Ave	Park Ave	Tidewater Dr	WB	-	1.7
Virginia Beach	Rosemont Rd	I-264	Virginia Beach Blvd	NB	-	1.7
Virginia Beach	Northampton Blvd	Wesleyan Dr	Diamond Springs Rd	EB	-	1.7
Virginia Beach	Northampton Blvd	Diamond Springs Rd	Wesleyan Dr	WB	-	1.7
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	1.7
Norfolk	Brambleton Ave	Church St	Tidewater Dr	EB	-	1.7
Norfolk	Northampton Blvd	I-64	Kempsville Rd	WB	-	1.6
Norfolk	Berkley Ave	Main St	I-464	WB	DT	1.6
Chesapeake	Military Hwy	Bainbridge Blvd	I-464	EB	-	1.6
Norfolk	Admiral Taussig Blvd	I-564	Hampton Blvd	WB	-	1.6
Norfolk	Campostella Rd	Wilson Rd	Indian River Rd	SB	-	1.6

Figure 26 – Roadway Segments with the Highest Total Truck Delay per Mile – 2018 AM Peak Period

Source: HRTPO analysis of INRIX data.

In the following tables, the following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Truck Delay per Mile
Newport News	I-664	23rd St	Terminal Ave	SB	MMMBT	19.9
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	13.9
Newport News	I-664	Chestnut Ave	23rd St	SB	MMMBT	12.7
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	11.3
Chesapeake	I-64	Battlefield Blvd	I-464	EB	HIGH RISE	10.6
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	10.2
Norfolk	I-64	Granby St	Bay Ave	WB	HRBT	9.5
Norfolk/Portsmouth	I-264/Downtown Tunnel	Effingham St	I-464	EB	DT	7.3
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	7.2
Norfolk/Portsmouth	I-264/Downtown Tunnel	I-464	Effingham St	WB	DT	7.0
Norfolk	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	7.0
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	7.0
Norfolk	I-64	I-564/Little Creek Rd	Granby St	WB	HRBT	6.0
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	5.7
Chesapeake	I-64	Greenbrier Pkwy	Battlefield Blvd	EB	HIGH RISE	5.3
Chesapeake	I-64	I-464	George Washington Hwy	EB	HIGH RISE	4.6
Norfolk	I-64	Chesapeake Blvd	Norview Ave	EB	-	4.1
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	4.0
Norfolk	I-264	Brambleton Ave	Waterside/City Hall/Tidewater Dr	WB	DT	3.8
Norfolk	I-64	Virginia Beach CL	I-264	WB	I-64/I-264	3.7
Norfolk	I-64	Tidewater Dr	Chesapake Blvd	EB	-	3.5
Norfolk	I-264/Berkley Bridge	Waterside/City Hall/Tidewater Dr	I-464	WB	DT	3.5
Norfolk	I-64	I-564/Little Creek Rd	Tidewater Dr	EB	-	3.5
Norfolk	I-264	Newtown Rd	I-64	WB	I-64/I-264	2.8
Chesapeake	I-664	I-64 & I-264	Routes 13/58/460	NB	-	2.7

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Total Peak Period Hours of Truck Delay per Mile
Virginia Beach	Indian River Rd	I-64	Centerville Tpke	EB	-	8.7
Virginia Beach	Indian River Rd	Centerville Tpke	Kempsville Rd	EB	-	6.3
Norfolk	Tidewater Dr	Virginia Beach Blvd	Brambleton Ave	SB	-	5.4
Norfolk	Tidewater Dr	Norview Ave	Cromwell Dr	SB	-	5.3
Norfolk	Campostella Rd	Wilson Rd	Indian River Rd	SB	-	5.0
Norfolk	Northampton Blvd	Wesleyan Dr	I-64	WB	-	4.8
Isle of Wight	Route 460	Court St (Route 610)	Route 258	WB	-	4.7
Norfolk	Fourth View St	Ocean View Ave	I-64	SB	HRBT	4.6
Norfolk	Tidewater Dr	Princess Anne Rd	Virginia Beach Blvd	SB	-	4.2
Virginia Beach	Northampton Blvd	Diamond Springs Rd	Wesleyan Dr	WB	-	3.7
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	3.7
Isle of Wight	Route 460	Route 258	Court St (Route 610)	EB	-	3.7
Newport News	Oyster Point Rd	I-64	Canon Blvd	WB	-	3.7
Norfolk	Northampton Blvd	I-64	Kempsville Rd	WB	-	3.7
Chesapeake	Greenbrier Pkwy	I-64	Eden Way	SB	-	3.5
Norfolk	Brambleton Ave	Park Ave	Tidewater Dr	WB	-	3.4
Chesapeake	Battlefield Blvd	I-64	Volvo Pkwy	SB	-	3.4
Chesapeake	Greenbrier Pkwy	I-64	Woodlake Dr	NB	-	3.1
Suffolk	Route 58/Holland Rd	Suffolk Bypass	Cove Point Dr	WB	-	3.1
Norfolk	Little Creek Rd	Military Hwy	Chesapeake Blvd	WB	-	3.0
Norfolk	Northampton Blvd	Kempsville Rd	Military Hwy	WB	-	2.9
Norfolk	Brambleton Ave	Church St	Tidewater Dr	EB	-	2.9
Hampton	Mercury Blvd	I-64	Power Plant Pkwy	WB	-	2.8
Newport News	Oyster Point Rd	Canon Blvd	Jefferson Ave	WB	-	2.6
Norfolk	Hampton Blvd	21st St	Brambleton Ave	SB	MT	2.5

Figure 27 – Roadway Segments with the Highest Total Truck Delay per Mile – 2018 PM Peak Period

Source: HRTPO analysis of INRIX data.

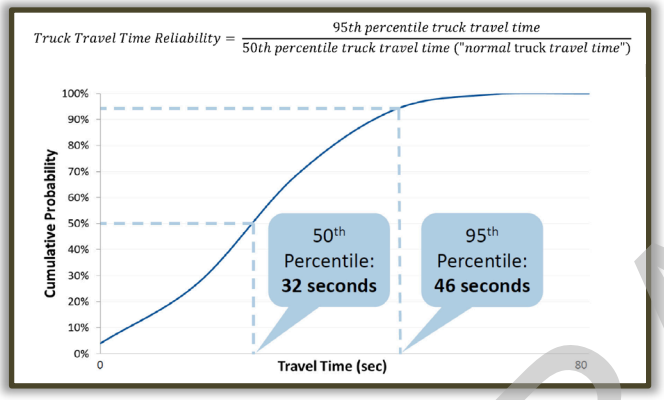
In the following tables, the following abbreviations are used for high profile locations:
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I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

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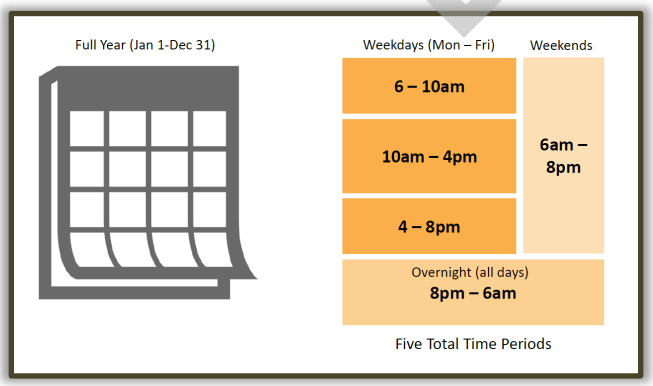
Truck Travel Time Reliability

While the travel time reliability of the roadway network can be measured using the Level of Travel Time Reliability (LOTTR) as described previously, the reliability of freight movement can be calculated using a new metric referred to as the Truck Travel Time Reliability (TTTR) Index.

The TTTR ratio is defined as the ratio of the 95th percentile travel time for trucks to the mean (50th percentile) travel time for trucks, based on the travel time information that is collected in 15-minute intervals throughout the year on each segment. An example of calculating this ratio is shown below:



Truck travel times throughout the year are divided into five reporting periods: weekday morning peak, weekday midday, weekday afternoon peak, weekends, and overnight. The time of day that each period represents is shown below:



A TTTR ratio is calculated for each roadway segment by direction for each of these time periods over the course of an entire year. This produces a total of five TTTR ratios for each segment. The maximum of these five TTTR ratios is used to determine the segment's overall TTTR. This calculation is highlighted below:

$$\frac{\text{Longer Truck Travel Time (95th)}}{\text{Normal Truck Travel Time (50th)}} = \frac{\text{\# seconds}}{\text{\# seconds}} = \text{Truck Travel Time Reliability (TTTR) Ratio}$$

Truck Travel Time Reliability (TTTR)
(Single Segment, Interstate Highway System)

Monday – Friday	6am – 10am	TTTR = 72 sec / 50 sec = 1.44
	10am – 4pm	TTTR = 1.39
	4pm – 8pm	TTTR = **1.49**
Weekends	6am – 8pm	TTTR = 1.31
Overnight	8pm – 6am	TTTR = 1.20
Maximum TTTR		**1.49**

As described in Part I of this report, the HRTPO established four-year performance targets (2018-2021) for the Truck Travel Time Reliability Index on the regional Interstate system of less than 2.13. This target was chosen by applying VDOT's expected annual statewide increase in the TTTR Index to the regional TTTR Index in Hampton Roads in 2017.

Figure 28 on page 37 shows the top 25 freeway segments and top 25 arterial segments in terms of highest TTTR Index. Similar to the other measures, the freeway segments with the highest TTTR values include approaches to the Hampton Roads Bridge-Tunnel, Monitor-Merrimac Memorial Bridge-Tunnel, High Rise Bridge, and Downtown Tunnel. Many of the top arterial segments are approaches to the Hampton Roads Bridge-Tunnel, including Woodland Road, Fourth View Street, Settlers Landing Road, Tidewater Drive, and Mallory Street. Other arterial segments with the highest TTTR Indices include short sections of Yorktown Road, Chesapeake Boulevard, Battlefield Boulevard, Independence Boulevard, and Dock Landing Road.

Appendices E-21 and E-22 contain maps showing the TTTR Index for each roadway segment, and this information is available for every CMP roadway segment in **Appendix C**.

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Freeways

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Truck Travel Time Reliability (TTTR)
Norfolk	I-64	I-564/Little Creek Rd	Granby St	WB	HRBT	9.62
Hampton	I-64	Armistead Ave	Rip Rap Rd	EB	HRBT	8.00
Hampton	I-64	Rip Rap Rd	Settlers Landing Rd	EB	HRBT	7.24
Norfolk	I-64	Granby St	Bay Ave	WB	HRBT	6.74
Newport News	I-664	Chestnut Ave	23rd St	SB	MMMBT	6.63
Hampton	I-64	Settlers Landing Rd	Mallory St	EB	HRBT	5.53
Norfolk	I-64	Bay Ave	Fourth View St	WB	HRBT	5.46
Chesapeake	I-64	Greenbrier Pkwy	Battlefield Blvd	EB	HIGH RISE	4.62
Portsmouth	I-264	Des Moines Ave	Effingham St	EB	DT	4.59
Portsmouth	I-264	Frederick Blvd	Des Moines Ave	EB	DT	4.09
Norfolk	I-564	Terminal Blvd	Admiral Taussig Blvd	NB	-	4.07
Norfolk	I-264	Brambleton Ave	Waterside/City Hall/Tidewater Dr	WB	DT	4.06
Hampton	I-64	I-664	Armistead Ave	EB	HRBT	4.06
Newport News	I-664	23rd St	Terminal Ave	SB	MMMBT	4.03
Chesapeake	I-64	Military Hwy	George Washington Hwy	WB	HIGH RISE	3.86
Chesapeake/Norfolk	I-464	Poindexter St	South Main St	NB	DT	3.61
Chesapeake	I-64	I-264 & I-664	Military Hwy	WB	HIGH RISE	3.55
Suffolk	I-664	Western Fwy	College Dr	NB	MMMBT	3.54
Chesapeake	I-64	Battlefield Blvd	I-464	EB	HIGH RISE	3.52
Norfolk	I-464	South Main ST	I-264	NB	DT	3.46
Norfolk	I-64	Fourth View St	Ocean View Ave	WB	HRBT	3.13
Virginia Beach	I-64	Indian River Rd	Norfolk CL	WB	I-64/I-264	3.10
Newport News	I-64	Fort Eustis Blvd	Yorktown Rd	WB	-	3.08
Chesapeake	Dominion Blvd	Cedar Rd	Chesapeake Expressway	NB	-	3.00
Norfolk	I-264/Berkley Bridge	Waterside/City Hall/Tidewater Dr	I-464	WB	DT	2.92

Arterials

Locality	Facility	Segment From	Segment To	Dir	High Profile Corridor	Truck Travel Time Reliability (TTTR)
Hampton	Woodland Rd	Mercury Blvd	County St	SB	HRBT	7.00
Newport News	Yorktown Rd	Jefferson Ave	I-64	WB	-	6.05
Norfolk	Fourth View St	Ocean View Ave	I-64	SB	HRBT	6.01
Hampton	Settlers Landing Rd	Eaton St	I-64	EB	HRBT	4.73
Norfolk	Tidewater Dr	Granby St	Ocean View Ave	NB	HRBT	4.70
Norfolk	Chesapeake Blvd	Lafayette Blvd	Cromwell Dr	NB	-	4.60
Hampton	Woodland Rd	County St	I-64	SB	HRBT	4.54
Chesapeake	Battlefield Blvd	Great Bridge Bypass	Great Bridge Blvd/Kempsville Rd	SB	-	4.38
Virginia Beach	Independence Blvd	I-264	Baxter Rd	SB	-	4.20
Chesapeake	Dock Landing Rd	I-664	Jolliff Rd	WB	-	4.17
Norfolk	St. Pauls Blvd	City Hall Ave	I-264 Ramp/MacArthur Mall	NB	DT	4.12
Hampton	Mallory St	Mercury Blvd	County St	WB	HRBT	4.12
Chesapeake	Old Battlefield Blvd	Battlefield Blvd	Ballahack Rd	SB	-	4.11
Virginia Beach	Atlantic Ave	21st St	22nd St	NB	-	4.08
Hampton	Mallory St	County St	I-64	WB	HRBT	4.03
Portsmouth	Effingham St	High St	I-264	SB	DT	3.91
Norfolk	St. Pauls Blvd	I-264 Ramp/MacArthur Mall	City Hall Ave	SB	DT	3.76
Virginia Beach	Pacific Ave	21st St	22nd St	NB	-	3.74
Norfolk	Church St	Brambleton Ave	Virginia Beach Blvd	NB	-	3.51
Chesapeake	Military Hwy	I-464	Bainbridge Blvd	WB	GILM	3.48
Norfolk	Church St	Virginia Beach Blvd	Brambleton Ave	SB	-	3.47
Chesapeake	Freeman Ave	Bainbridge Blvd	I-464	WB	-	3.44
Hampton	Commander Shepard Blvd	Magruder Blvd/Neil Armstrong Pkwy	Wythe Creek Rd	NB	-	3.41
Hampton	Aberdeen Rd	I-664	Pembroke Ave	SB	-	3.38
Norfolk	Military Hwy	Princess Anne Rd/Northampton Blvd	I-64	NB	-	3.33

Figure 28 – Roadway Segments with the Highest Truck Travel Time Reliability (TTTR) – 2018

Source: HRTPO analysis of INRIX data.

In the following tables, the following abbreviations are used for high profile locations:
DT = I-264/Downtown Tunnel GILM = US 13/Gilmerton Bridge HIGH RISE = I-64 corridor in Chesapeake HRBT = I-64/Hampton Roads Bridge-Tunnel
I-64/I-264 = I-64/I-264 interchange area in Norfolk MMMBT = I-664/Monitor-Merrimac Mem. Bridge-Tunnel MT = US 58/Midtown Tunnel

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RANKING OF CMP CONGESTED CORRIDORS

It is imperative that scarce transportation funding be allocated to projects that provide the greatest benefit to the region. For this reason, the HRTPO uses a comprehensive Project Prioritization Process to assist in selecting projects for inclusion in the regional Long-Range Transportation Plan, as well as for specific funding sources such as the Regional Surface Transportation Program (RSTP).

HRTPO staff produced a ranking of roadway segments throughout the region as part of this CMP analysis. This section details the methodology used to determine which congested corridors throughout Hampton Roads should be analyzed in further detail in Part III - Congestion Mitigation of this report.

CMP SEGMENT SCORING CRITERIA

A variety of factors were considered for comparing congested locations. Based on an assessment of available data, as well as discussions with other transportation planners and engineers throughout the region, five factors were included in the "CMP Segment Scoring Criteria" as shown in the box to the right.

The congestion, travel time reliability and freight criteria have been described previously in this report. In addition, safety and roadway type are used as criteria to rank CMP segments. Roadway safety is analyzed using Potential for Safety Improvement (PSI) data provided by VDOT. PSI measures the difference between the number of crashes that occur on a particular roadway segment or at a particular intersection compared to the number of crashes that would be predicted to occur at that location.

Roadway type is also included in the criteria for scoring congested locations. Priority is given to roadways that are part of the National Highway System, which is a federally-defined network of roadways important to the nation's economy, defense, and mobility, and the Strategic Highway Network (STRAHNET), which is a national roadway network deemed necessary for emergency mobilization and peacetime movement of equipment and commodities to support U.S. military operations. In addition, Roadways Serving the Military as defined in HRTPO's *Hampton Roads Military Transportation Study* are also prioritized, due to the importance of the military to the region.

Once these five criteria were selected, weights were applied to each criterion to produce scores for each congested roadway segment. These weights are shown in **Figure 29** on page 40. In order to be scored, however, CMP segments must have an existing AM or PM Peak Period congestion level that is classified as severely congested.

Each severely congested CMP Roadway Network segment was scored by direction for both the morning and afternoon peak periods, with a maximum score of 100 points available for each directional segment in each peak period. The highest of the AM Peak Period and PM Peak Period point totals was used as the overall CMP Segment Score.

The CMP Segment Scores for each roadway segment are shown in **Maps 5 and 6** on pages 41-42, and are also included in **Appendix D**.

CMP SEGMENT SCORING CRITERIA

CONGESTION

1) Congestion Level
2) Total Vehicle Delay
3) Congestion Duration

TRAVEL TIME RELIABILITY

1) Level of Travel Time Reliability (LOTTR)
2) LOTTR Duration

FREIGHT

1) Existing Weekday Truck Volume
2) Total Truck Delay
3) Truck Travel Time Reliability (TTTR)

SAFETY

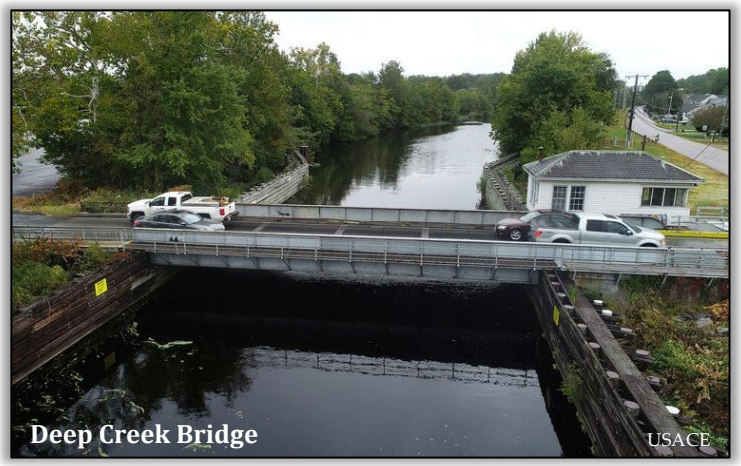
1) Segment Potential for Safety Improvement
2) Intersection Potential for Safety Improvement

ROADWAY TYPE

1) National Highway System/STRAHNET/ Roadway Serving the Military

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Once CMP Segment Scores were calculated for each congested roadway segment in the region, adjacent high scoring segments were grouped into corridors for analysis purposes. "CMP Congested Corridors" were created based on the location and proximity of each congested roadway segment and were ranked based on the roadway segments with the highest CMP Segment Scores. The top ranked CMP Congested Corridors are shown in **Figure 30** on page 43 and **Maps 7-8** on pages 44-45.


Deep Creek Bridge USACE

Most of the highest-rated CMP Congested Corridors are examined in detail in Part III of this report to determine possible countermeasures to alleviate congestion. However, some corridors may be excluded due to upcoming, ongoing or recently completed projects that impact congestion on the corridor. For example, construction was recently completed on a major intersection improvement on Indian River Road at Kempsville Road that has impacted congestion on Arterial Corridor 12 – Indian River Road, and upcoming construction to widen the Deep Creek Bridge will likely resolve the congestion issues with Arterial Corridor 4 – George Washington Highway. In addition, many of the congested freeway segments in the region are either under construction or, in the case of the Hampton Roads Bridge-Tunnel, will soon be under construction.

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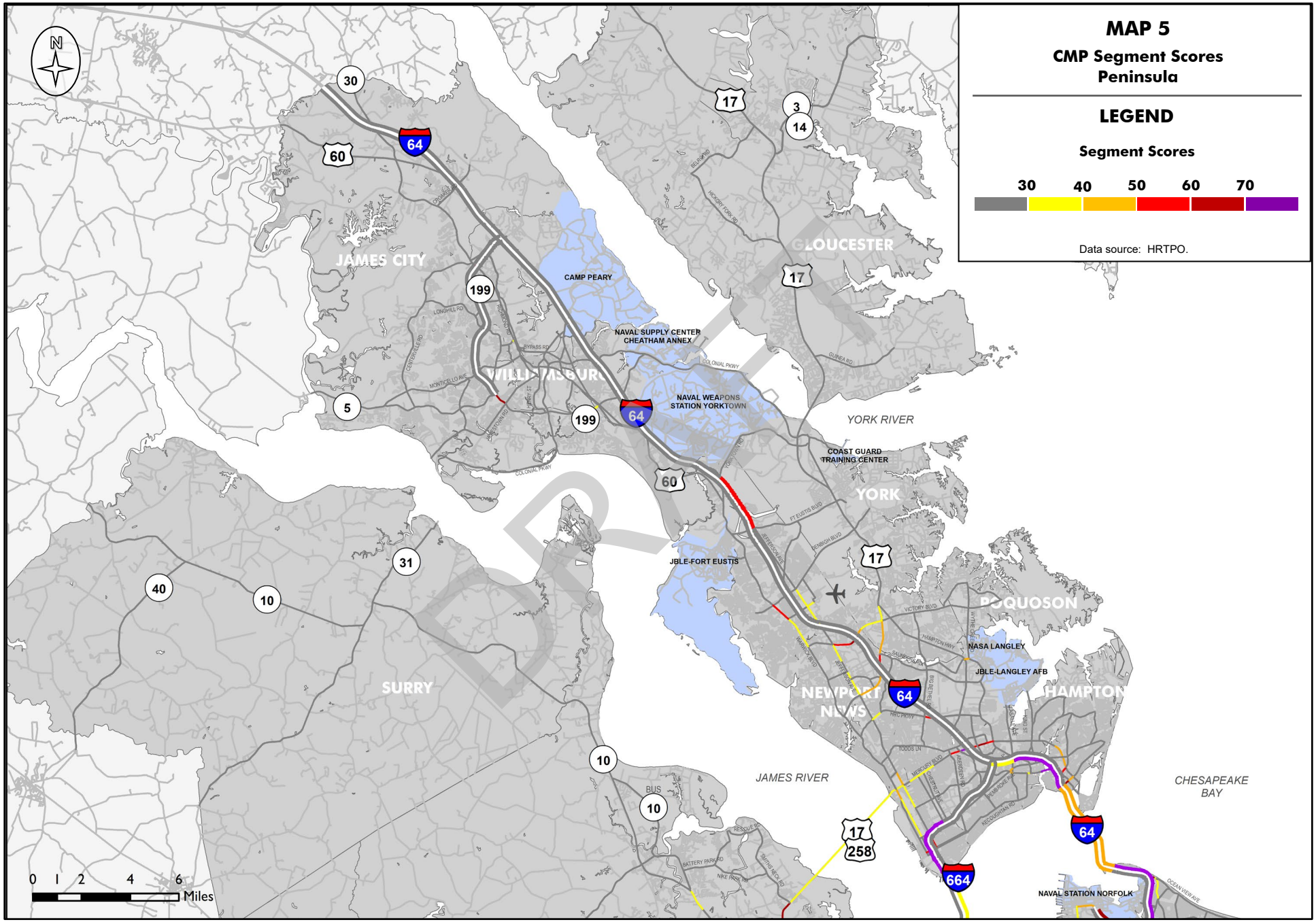
CMP PERFORMANCE MEASURES		WITH INRIX SPEED DATA: FREEWAYS VALUE	FREEWAYS SCORE	WITH INRIX SPEED DATA: ARTERIALS VALUE	ARTERIALS SCORE	WITHOUT INRIX SPEED DATA: ARTERIALS VALUE	ARTERIALS SCORE
Existing Congestion[1] (45 points max.)	Levels of Congestion[2] (20 points max.)	Travel Time Index (TTI)		Travel Time Index (TTI)			
		≤ 1.3	0	≤ 1.4	0		
		1.3 - 1.4	2	1.4 - 1.5	3		
		1.4 - 1.5	3	1.5 - 1.6	6		
		1.5 - 1.6	6	1.6 - 1.7	9		
		1.6 - 1.7	9	1.7 - 1.8	12		
		1.7 - 1.8	12	1.8 - 1.9	15		
		1.8 - 1.9	15	1.9 - 2	18		
		1.9 - 2	18	> 2	20		
		> 2	20				
	Vehicle Delay (15 points max.)	Total Peak Period Vehicle Delay (Hrs/Mi)		Total Peak Period Vehicle Delay (Hrs/Mi)			
		< 20	0	< 10	0		
		20 - 40	2	10 - 20	2		
		40 - 60	4	20 - 40	4		
		60 - 80	6	40 - 60	6		
		80 - 100	9	60 - 80	9		
		100 - 200	12	80 - 100	12		
		> 200	15	> 100	15		
	Congestion Duration (10 points max.)	# Severely Congested 15-Min Intervals		# Severely Congested 15-Min Intervals			
		0	0	0	0		
		1 - 4	2	1 - 4	2		
		5 - 8	5	5 - 8	5		
		9 - 12	8	9 - 12	8		
		> 13	10	> 13	10		
Existing Reliability[1] (15 points max.)	Travel Time Reliability (10 points max.)	LOTTR		LOTTR			
		≤ 1.5	0	≤ 1.5	0		
		1.5 - 1.75	5	1.5 - 1.75	5		
		1.75 - 2	6	1.75 - 2	6		
		2 - 2.25	7	2 - 2.25	7		
		2.25 - 2.5	8	2.25 - 2.5	8		
		2.5 - 3	9	2.5 - 3	9		
		> 3	10	> 3	10		
	Reliability Duration (5 points max.)	# of Unreliable Periods (LOTTR ≥ 1.5)		# of Unreliable Periods (LOTTR ≥ 1.5)			
		≤ 0.25	0	≤ 0.25	0		
		0.25 - 0.5	1	0.25 - 0.5	1		
		0.5 - 1	2	0.5 - 1	2		
		1 - 1.5	3	1 - 1.5	3		
		1.5 - 2	4	1.5 - 2	4		
		> 2	5	> 2	5		
Freight (15 points max.)	Existing Truck Volume[3] (5 points max.)	Daily # of Trucks (By Direction)		Daily # of Trucks (Both Directions)			
		≤ 1000	0	≤ 500	0		
		1000 - 1500	1	500 - 750	1		
		1500 - 2000	2	750 - 1000	2		
		2000 - 2500	3	1000 - 1250	3		
		2500 - 3000	4	1250 - 1500	4		
		> 3000	5	> 1500	5		
	Existing Truck Delay (5 points max.)	Total Peak Period Truck Delay (Hrs/Mi)		Total Peak Period Truck Delay (Hrs/Mi)			
		≤ 1	0	≤ 0.5	0		
		1 - 2	1	0.5 - 1	1		
		2 - 3	2	1 - 1.5	2		
		3 - 4	3	1.5 - 2	3		
		4 - 5	4	2 - 2.5	4		
		> 5	5	> 2.5	5		
	Truck Reliability (5 points max.)	TTTR		TTTR			
		≤ 1.5	0	≤ 1.5	0		
		1.5 - 1.75	1	1.5 - 1.75	1		
		1.75 - 2	2	1.75 - 2	2		
		2 - 2.5	3	2 - 2.5	3		
		2.5 - 3	4	2.5 - 3	4		
		> 3	5	> 3	5		
Safety (15 points max.)	Segment PSI Rank Freeways (15 points max.) Arterials (10 points max.)	Potential for Safety Improvement (PSI)		Potential for Safety Improvement (PSI)			
		> 300	0	> 300	0		
		201 - 300	3	201 - 300	2		
		151 - 200	6	151 - 200	4		
		101 - 150	9	101 - 150	6		
		51 - 100	12	51 - 100	8		
		1 - 50	15	1 - 50	10		
	Intersection PSI Rank[4] Arterials (5 points max.)			Potential for Safety Improvement (PSI)			
				> 100	0		
				81 - 100	1		
				61 - 80	2		
				41 - 60	3		
				21 - 40	4		
				1 - 20	5		
Roadway Type (10 points max.)	NHS/Military[5] (10 points max.)	None	0	None	0		
		NHS/Roads Svg. Military	8	NHS/Roads Svg. Military	8		
		STRAHNET	10	STRAHNET	10		

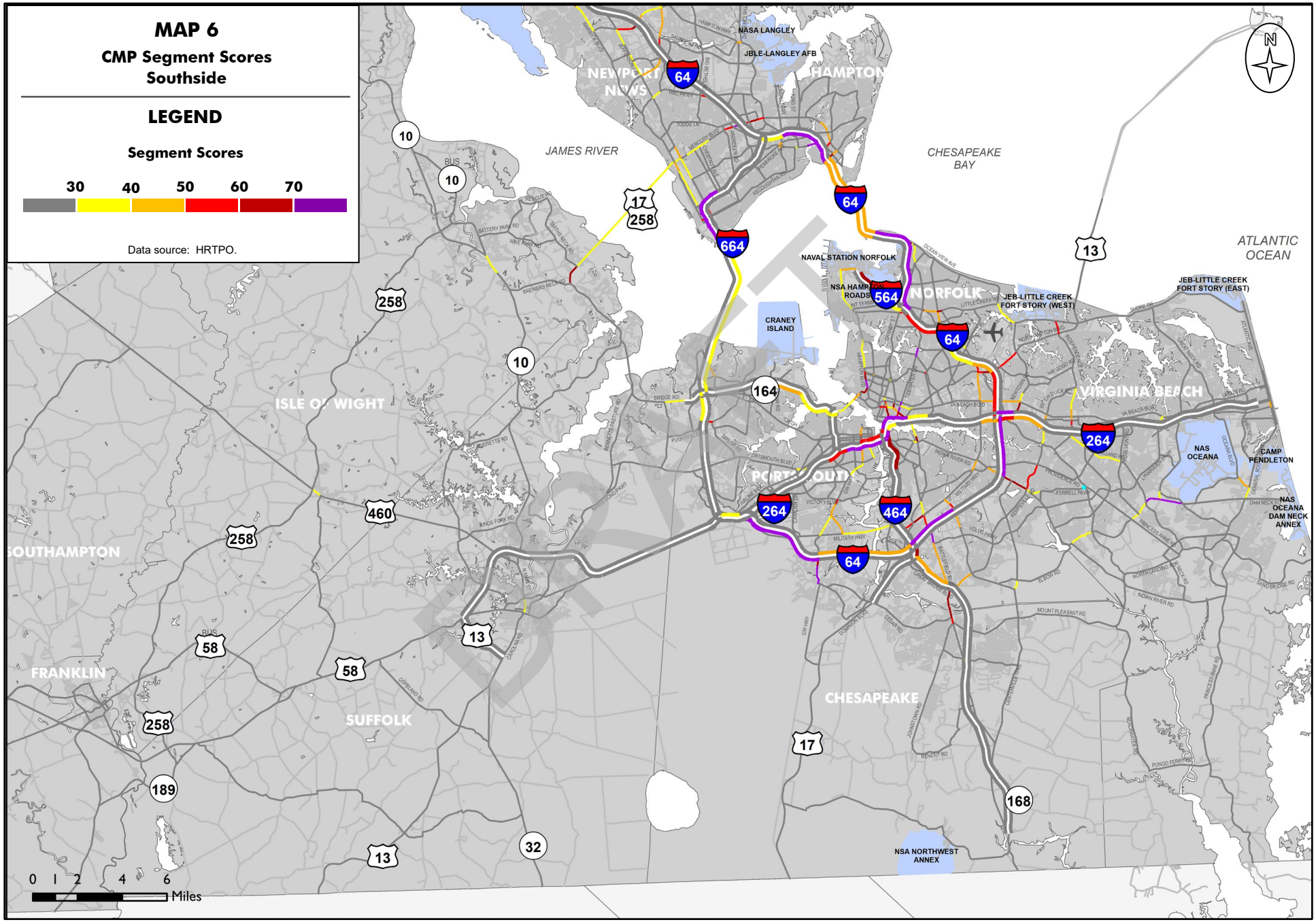
WITHOUT INRIX SPEED DATA			
	ARTERIALS		
	VALUE	SCORE	
Existing Congestion and Volume[1] (10 points max.)	Hourly Peak Dir. Volume Per Lane	LOS E	LOS F
	< 400	0	1
	400 - 600	1	2
	600 - 800	2	4
	800 - 1000	3	6
	1000 - 1200	4	8
	> 1200	5	10
Existing Congestion and Peak Volume (10 points max.)	Hourly Peak Direction Volume	LOS E	LOS F
	< 800	0	1
	800 - 1200	1	2
	1200 - 1600	2	4
	1600 - 2000	3	6
	2000 - 2400	4	8
	> 2400	5	10
Existing V/C Ratio (25 points max.)	HCM-Based Direction Hourly Volume/Capacity		
	< 0.8	0	
	0.8 - 0.9	2	
	0.9 - 1	5	
	1 - 1.1	10	
	1.1 - 1.2	15	
	1.2 - 1.3	20	
	> 1.3	25	
Segment Travel Time Reliability (10 points max.)	Congestion/Safety (PSI)	LOS A-D	LOS E-F
	Segment PSI		
	> 300	0	1
	201 - 300	1	2
	151 - 200	2	4
	101 - 150	3	6
	51 - 100	4	8
	1 - 50	5	10
Intersection Travel Time Reliability (5 points max.)	Intersection PSI	LOS A-D	LOS E-F
	> 100	0	0
	81 - 100	1	1
	61 - 80	1	2
	41 - 60	2	3
	21 - 40	2	4
	1 - 20	3	5
Existing Truck Volume[3] (5 points max.)	Daily # of Trucks (Both Directions)		
	≤ 500	0	
	500 - 750	1	
	750 - 1000	2	
	1000 - 1250	3	
	1250 - 1500	4	
	> 1500	5	
Existing Peak Truck Volume (5 points max.)	Peak Period Trucks (Both Directions)		
	≤ 100	0	
	100 - 150	1	
	150 - 200	2	
	200 - 250	3	
	250 - 300	4	
	> 300	5	
Existing Peak Truck Density (5 points max.)	Peak Hour Trucks per Lane (Both Dirs.)		
	≤ 10	0	
	10 - 20	1	
	20 - 30	2	
	30 - 40	3	
	40 - 50	4	
	> 50	5	
Segment PSI Rank Arterials (10 points max.)	Potential for Safety Improvement (PSI)		
	> 300	0	
	201 - 300	2	
	151 - 200	4	
	101 - 150	6	
	51 - 100	8	
	1 - 50	10	
Intersection PSI Rank[4] Arterials (5 points max.)	Potential for Safety Improvement (PSI)		
	> 100	0	
	81 - 100	1	
	61 - 80	2	
	41 - 60	3	
	21 - 40	4	
	1 - 20	5	
NHS/Military[5] (10 points max.)	None	0	
	NHS/Roads Svg. Military	8	
	STRAHNET	10	

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Figure 29 – CMP Segment Scoring Criteria

1 – Roadway segments were scored using the higher peak period (AM or PM) for all congestion and reliability performance measures.
2 – CMP roadway segments must have an existing AM or PM peak period congestion level that is classified as severely congested to be scored.
3 – Based on VDOT vehicle classification data. For those locations where truck data is not collected by VDOT, VDOT estimates were used.
4 – For Intersection Potential for Safety Improvement (PSI), the highest ranked intersection throughout the roadway segment was used.
5 – Methodology and scoring developed within HRTPO's Hampton Roads Military Transportation Needs Study - 2018 Update.


MAP 5
CMP Segment Scores
Peninsula
LEGEND
Segment Scores
30 40 50 60 70
Data source: HRTPO.
N
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
WILLIAMSBURG
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
NEWPORT NEWS
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles


MAP 6
CMP Segment Scores
Southside
LEGEND
Segment Scores
30 40 50 60 70
Data source: HRTPO.
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NASA LANGLEY
JBLE-LANGLEY AFB
NEWPORT NEWS
HAMPTON
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
64
664
564
264
464
10
17
258
460
58
13
189
32
168
164
N
0 1 2 4 6
Miles

Freeways

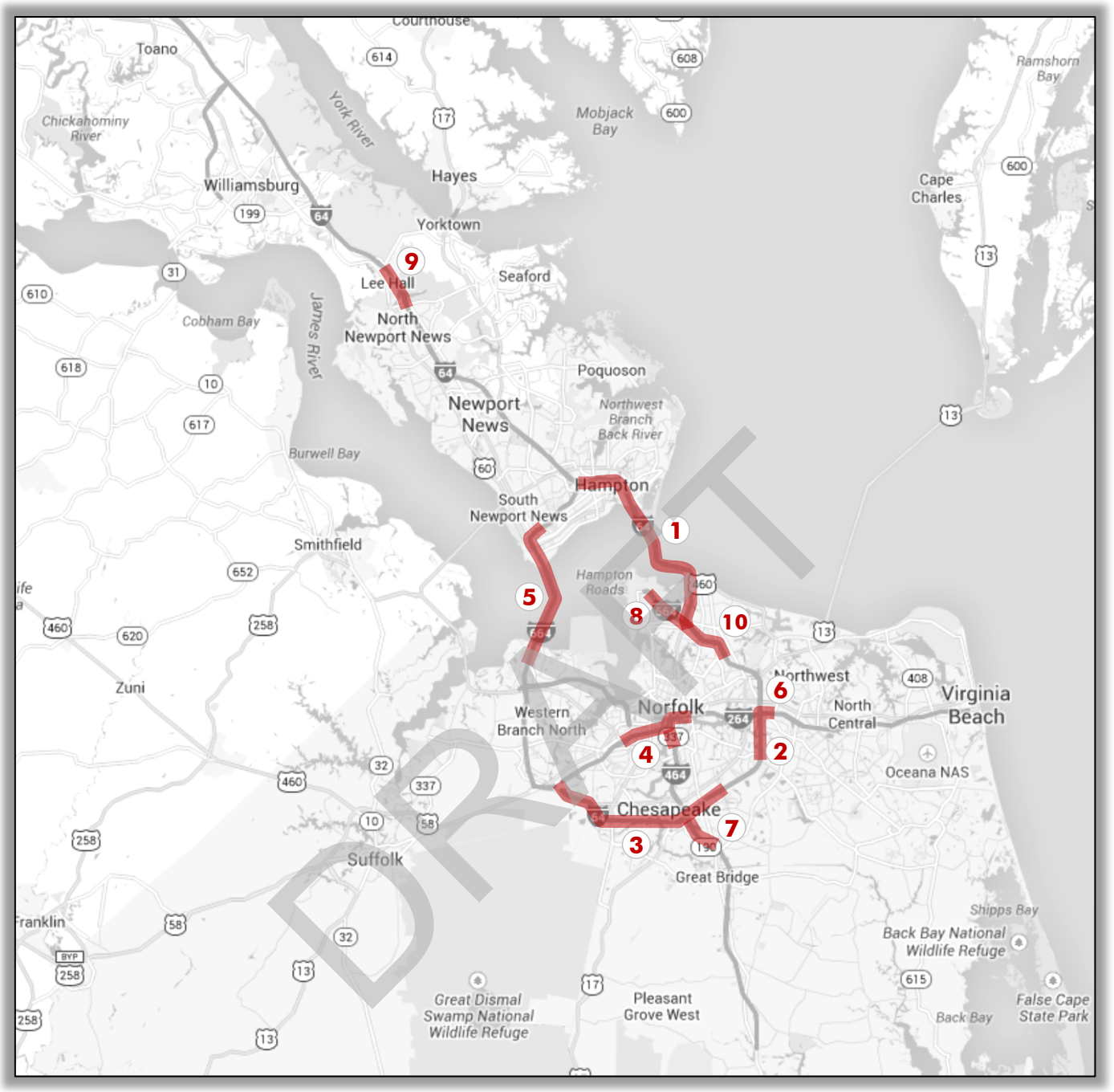
Corridor #	Locality	Facility	Segment From	Segment To	Max Segment Score	Rank
1	Hampton/Norfolk	I-64/HRBT	I-664	I-564	94	1
2	Norfolk/Virginia Beach	I-64	Indian River Road	I-264	93	2
3	Chesapeake	I-64/High Rise Bridge	Greenbrier Pkwy	I-264/I-664	85	3
4	Norfolk/Portsmouth	I-264/Downtown Tunnel	Frederick Blvd	Brambleton Ave	84	4
5	Newport News/Suffolk	I-664/MMMBT	College Dr	Chestnut Ave	80	5
6	Norfolk	I-264	I-64	Newtown Rd	74	6
7	Chesapeake	Chesapeake Expressway	Battlefield Blvd	I-64	67	7
8	Norfolk	I-564	Terminal Blvd	Admiral Taussig Blvd	67	8
9	Newport News	I-64	Yorktown Rd	Fort Eustis Blvd	60	9
10	Norfolk	I-64	I-564	Norview Ave	57	10

Arterials

Corridor #	Locality	Facility	Segment From	Segment To	Max Segment Score	Rank
1	Norfolk	Tidewater Dr	Brambleton Ave	Princess Anne Rd	78	1
2	Chesapeake	Battlefield Blvd	Johnstown Rd	I-64	76	2
3	Hampton	Mercury Blvd	Power Plant Pkwy	Armistead Ave	76	2
4	Chesapeake	George Washington Hwy	Moses Grandy Trail	I-64	72	4
5	Virginia Beach	Dam Neck Rd	Holland Rd	London Bridge Rd	72	4
6	Norfolk	Tidewater Dr	Cromwell Dr	Norview Ave	71	6
7	Norfolk	Hampton Blvd	Brambleton Ave	27th St	71	6
8	James City/Williamsburg	Route 199	John Tyler Hwy	Brookwood Dr	70	8
9	Norfolk	Little Creek Rd	Tidewater Dr	Military Hwy	68	9
10	Norfolk	Newtown Rd	I-264	Virginia Beach Blvd	68	9
11	Norfolk	Brambleton Ave	Tidewater Dr	I-264	67	11
12	Virginia Beach	Indian River Rd	I-64	Ferrell Pkwy	65	12
13	Norfolk	Campostella Rd	Indian River Rd	Wilson Rd	65	12
14	Norfolk	Church St	Brambleton Ave	Virginia Beach Blvd	63	14
15	Chesapeake	Military Hwy	I-464	Battlefield Blvd	62	15
16	Isle of Wight	Route 17	Route 258	James River Bridge	62	15
17	Newport News	Oyster Point Rd	Jefferson Ave	I-64	62	15
18	Norfolk/Virginia Beach	Northampton Blvd	Military Hwy	Diamond Springs Rd	62	15
19	Portsmouth	Towne Point Rd	Twin Pines Rd	Western Fwy	61	19
20	James City	Route 60	Centerville Rd	Route 199	60	20
21	Newport News	J Clyde Morris Blvd	I-64	Harpersville Rd	60	20

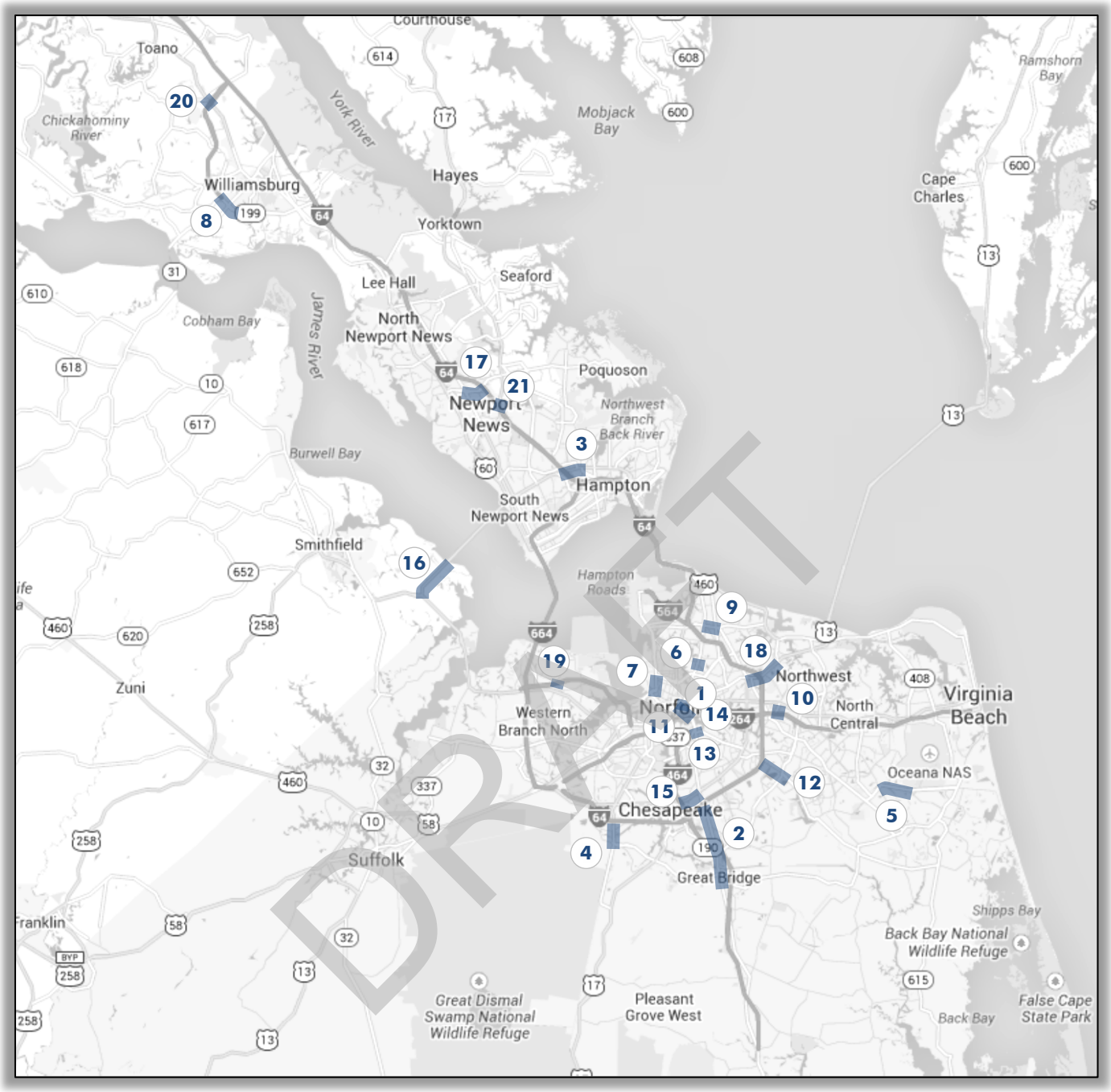
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Figure 30 – Top Ranked CMP Congested Corridors



Map 7 – Top Ranked CMP Congested Corridors - Freeway

Background Map Source: Google.



Map 8 – Top Ranked CMP Congested Corridors - Arterials

Background Map Source: Google.

SUMMARY

This Congestion Management Process report is being prepared in three parts. While Part I of the study included the Introduction and focused on information related to System Monitoring, Part II details the performance of the regional roadway system. This System Performance report includes an analysis of existing peak period congestion levels, congestion duration, total delay, travel time reliability, and freight movement on over 1,600 miles of roadway throughout the region. This analysis was primarily completed using INRIX travel time and speed data.

Using this analysis, CMP Roadway Network segments were scored by direction for each peak period, and adjacent high scoring segments were grouped into "CMP Congested Corridors". These corridors were then ranked on a regional basis.

The information from this Part II report will be incorporated into Part III of this Congestion Management Process update. Part III will detail Congestion Mitigation, including future and ongoing roadway projects and the tools and methods that can be implemented to improve congested roadways. In addition, most of the highest-ranked CMP Congested Corridors that were identified in this Part II report will be analyzed in detail to identify causes of congestion and determine possible countermeasures to alleviate congestion.

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PUBLIC REVIEW AND COMMENT

To be completed for the final report.

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HAMPTON ROADS
CONGESTION MANAGEMENT PROCESS

PART II – SYSTEM PERFORMANCE
APPENDICES

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the heartbeat of HAMPTON ROADS TPO
TRANSPORTATION PLANNING ORGANIZATION

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APPENDIX A

WEEKDAY TRAFFIC VOLUMES

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
CHES	22ND ST	LIBERTY ST	BERKLEY AVE/NORFOLK CL					5,749	6/25 - 6/26	V							6,245	5/17 - 5/18	V				6,245
CHES	AIRLINE BLVD	I-664	JOLLIFF RD								11,195	10/27 - 10/28	V							10,822	5/8 - 5/10	V	10,822
CHES	AIRLINE BLVD	JOLLIFF RD	PORTSMOUTH CL					7,276	6/10 - 6/11	V							7,765	4/19 - 4/20	V				7,765
CHES	ATLANTIC AVE	CAMPOSTELLA RD	PROVIDENCE RD					15,960	6/11 - 6/12	V							17,690	6/7 - 6/8	V				17,690
CHES	ATLANTIC AVE	PROVIDENCE RD	OLD ATLANTIC AVE		17,128	1/1 - 12/31	V	17,182	1/1 - 12/31	V	17,812	1/1 - 12/31	V	18,045	1/1 - 4/28	V	19,039	10/1 - 12/31	V	18,865	1/1 - 12/31	V	18,865
CHES	ATLANTIC AVE	OLD ATLANTIC AVE	CAMPOSTELLA RD					9,572	6/11 - 6/12	V							10,929	6/7 - 6/8	V				10,929
CHES	BAINBRIDGE BLVD	DOMINION BLVD	GREAT BRIDGE BLVD														2,175	9/19 - 9/20	V				2,175
CHES	BAINBRIDGE BLVD	GREAT BRIDGE BLVD	MILITARY HWY					10,203	10/7 - 10/8	V							8,611	5/17 - 5/18	V				8,611
CHES	BAINBRIDGE BLVD	MILITARY HWY	FREEMAN AVE					11,810	10/7 - 10/8	V							11,961	5/17 - 5/18	V				11,961
CHES	BAINBRIDGE BLVD	FREEMAN AVE	SWAIN AVE					11,123	10/7 - 10/8	V							11,041	5/17 - 5/18	V				11,041
CHES	BAINBRIDGE BLVD	SWAIN AVE	CHESAPEAKE DR					11,123	10/7 - 10/8	V							11,041	5/17 - 5/18	V				11,041
CHES	BAINBRIDGE BLVD	CHESAPEAKE DR	POINDEXTER ST					9,076	10/7 - 10/8	V							9,568	5/17 - 5/18	V				9,568
CHES	BAINBRIDGE BLVD	POINDEXTER ST	NORFOLK CL					2,111	6/25 - 6/26	V							1,874	5/17 - 5/18	V				1,874
CHES	BALLAHACK RD	GEORGE WASHINGTON HWY	OLD BATTLEFIELD BLVD					988	7/22 - 7/23	V							1,011	4/25 - 4/26	V				1,011
CHES	BATTLEFIELD BLVD	NORTH CAROLINA STATE LINE	BALLAHACK RD		21,880	1/1 - 12/31	V	22,137	1/1 - 12/31	V	22,842	1/1 - 12/31	V	24,096	1/1 - 12/31	V	24,666	1/1 - 12/31	V	24,905	1/1 - 12/31	V	24,905
CHES	BATTLEFIELD BLVD	BALLAHACK RD	GALLBUSH RD		21,880	1/1 - 12/31	V	22,137	1/1 - 12/31	V	22,842	1/1 - 12/31	V	24,096	1/1 - 12/31	V	24,666	1/1 - 12/31	V	24,905	1/1 - 12/31	V	24,905
CHES	BATTLEFIELD BLVD	GALLBUSH RD	INDIAN CREEK RD					15,729	6/17 - 6/18	V							15,015	4/4 - 4/6	V				15,015
CHES	BATTLEFIELD BLVD	INDIAN CREEK RD	CENTERVILLE TNPK					19,495	6/17 - 6/18	V							18,636	4/4 - 4/6	V				18,636
CHES	BATTLEFIELD BLVD	CENTERVILLE TNPK	HILLCREST PKWY					19,809	6/17 - 6/18	V							21,750	4/4 - 4/6	V				21,750
CHES	BATTLEFIELD BLVD	HILLCREST PKWY	PEACEFUL RD/HILLWELL RD														11,900	4/4 - 4/6	V				11,900
CHES	BATTLEFIELD BLVD	PEACEFUL RD/HILLWELL RD	HANBURY RD														11,900	4/4 - 4/6	V				11,900
CHES	BATTLEFIELD BLVD	HANBURY RD	JOHNSTOWN RD					13,170	6/17 - 6/18	V							13,628	4/4 - 4/6	V				13,628
CHES	BATTLEFIELD BLVD	JOHNSTOWN RD	CEDAR RD					31,709	7/30 - 7/31	V													31,709
CHES	BATTLEFIELD BLVD	CEDAR RD	GREAT BRIDGE BLVD/KEMPSVILLE RD					37,528	11/4 - 11/6	V							42,229	5/2 - 5/4	V				42,229
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BLVD/KEMPSVILLE RD	GREAT BRIDGE BYPASS					38,545	11/12 - 11/13	V							39,526	6/7 - 6/8	V				39,526
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BYPASS	VOLVO PKWY					51,447	11/4 - 11/6	V							56,203	5/2 - 5/4	V				56,203
CHES	BATTLEFIELD BLVD	VOLVO PKWY	I-64					69,475	7/16 - 7/17	V							74,086	5/2 - 5/4	V				74,086
CHES	BATTLEFIELD BLVD	I-64	MILITARY HWY					37,528	11/4 - 11/6	V							39,846	6/7 - 6/8	V				39,846
CHES	BATTLEFIELD BLVD	MILITARY HWY	CAMPOSTELLA RD					23,542	6/11 - 6/12	V							25,256	6/7 - 6/8	V				25,256
CHES	BENEFIT RD	JOHNSTOWN RD	SIGN PINE RD					2,698	7/22 - 7/23	V							3,296	5/3 - 5/4	V				3,296
CHES	BLACKWATER RD	VIRGINIA BEACH CL	FENTRESS AIRFIELD RD					2,714	8/12 - 8/13	V							2,939	4/5 - 4/6	V				2,939
CHES	BRIDGE RD	SUFFOLK CL	CHURCHLAND BLVD		23,678	1/1 - 12/31	V	23,615	1/1 - 12/31	V	23,589	1/1 - 12/31	V	24,266	1/1 - 12/31	V	23,620	1/1 - 12/31	V	23,316	1/1 - 12/31	V	23,316
CHES	BRUCE RD	TAYLOR RD	TYRE NECK RD					11,279	7/29 - 7/31	V							12,357	9/19 - 9/20	V				12,357
CHES	BUTTS STATION RD	KEMPSVILLE RD	ELBOW RD					14,448	7/22 - 7/23	V							15,738	6/13 - 6/15	V				15,738
CHES	BUTTS STATION RD	ELBOW RD	CENTERVILLE TNPK					14,448	7/22 - 7/23	V							15,738	6/13 - 6/15	V				15,738
CHES	CAMPOSTELLA RD	GREAT BRIDGE BLVD	MILITARY HWY					6,181	6/24 - 6/25	V							6,582	5/23 - 5/24	V				6,582
CHES	CAMPOSTELLA RD	MILITARY HWY	BATTLEFIELD BLVD					14,186	6/25 - 7/31	V							15,805	9/6 - 9/7	V				15,805
CHES	CAMPOSTELLA RD	BATTLEFIELD BLVD	PROVIDENCE RD					12,119	6/24 - 6/25	V							11,662	5/23 - 5/24	V				11,662
CHES	CAMPOSTELLA RD	PROVIDENCE RD	ATLANTIC AVE					11,807	6/24 - 6/25	V							12,729	6/14 - 6/15	V				12,729
CHES	CAMPOSTELLA RD	ATLANTIC AVE	NORFOLK CL/BERKELY AVE EXT					16,104	6/11 - 6/12	V							17,593	6/6 - 6/7	V				17,593
CHES	CANAL DR	MILITARY HWY	GEORGE WASHINGTON HWY					15,953	6/18 - 11/6	V							21,167	4/19 - 4/20	V				21,167
CHES	CAVALIER BLVD	MILITARY HWY	PORTSMOUTH CL					11,165	8/19 - 8/20	V							12,757	4/19 - 4/20	V				12,757
CHES	CEDAR RD	SHIPYARD RD/MOSES GRANDY TR	SCENIC PKWY														8,912	5/2 - 5/3	V				8,912
CHES	CEDAR RD	SCENIC PKWY	MOSES GRANDY TRAIL					5,000		E							8,912	5/2 - 5/3	V				8,912
CHES	CEDAR RD	DOMINION BLVD	BELLS MILL RD (WEST)														28,272	5/2 - 5/3	V				28,272
CHES	CEDAR RD	BELLS MILL RD (WEST)	BELLS MILL RD (EAST)					32,015	6/10 - 6/11	V							33,466	5/9 - 5/10	V				33,466
CHES	CEDAR RD	BELLS MILL RD (EAST)	BRIARFIELD DR					27,465	6/10 - 6/11	V							29,695	5/2 - 5/3	V				29,695
CHES	CEDAR RD	BRIARFIELD DR	BATTLEFIELD BLVD					27,465	6/10 - 6/11	V							29,695	5/2 - 5/3	V				29,695
CHES	CENTERVILLE TNPK	BATTLEFIELD BLVD	ETHRIDGE MANOR BLVD					5,650	7/15 - 7/16	V							6,120	4/5 - 4/6	V				6,120
CHES	CENTERVILLE TNPK	ETHRIDGE MANOR BLVD	MT PLEASANT RD					8,505	7/15 - 7/16	V							9,432	5/23 - 5/24	V				9,432
CHES	CENTERVILLE TNPK	MT PLEASANT RD	BUTTS STATION RD					16,605	7/15 - 7/16	V							16,954	4/5 - 4/6	V				16,954
CHES	CENTERVILLE TNPK	BUTTS STATION RD	ELBOW RD					10,326	7/15 - 7/16	V							10,918	4/5 - 4/6	V				10,918
CHES	CENTERVILLE TNPK	ELBOW RD	S.E. PARKWAY CORRIDOR														9,523	6/13 - 6/15	V				9,523
CHES	CENTERVILLE TNPK	S.E. PARKWAY CORRIDOR	VA BEACH CL														9,523	6/13 - 6/15	V				9,523
CHES	CHESAPEAKE EXPWY	GALLBUSH RD	BATTLEFIELD BLVD (NEAR INDIAN CREE	NB													5,434	1/1 - 12/31	C	5,647	1/1 - 12/31	C	5,647
				SB													5,433	1/1 - 12/31	C	5,646	1/1 - 12/31	C	5,646

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (NEAR INDIAN CREEK	HILLCREST PKWY	NB													6,000		E				6,000
				SB													6,000		E				6,000
CHES	CHESAPEAKE EXPWY	HILLCREST PKWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	NB													17,000		E				17,000
				SB													15,000		E				15,000
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	HANBURY RD	NB				16,239	6/11 - 6/12	V							17,712	7/25 - 7/26	V				17,712
				SB				14,329	6/11 - 6/12	V							15,732	7/25 - 7/26	V				15,732
CHES	CHESAPEAKE EXPWY	HANBURY RD	MT PLEASANT RD	NB				24,040	6/11 - 6/12	V							26,006	6/7 - 6/8	V				26,006
				SB				22,693	6/11 - 6/12	V							24,606	6/7 - 6/8	V				24,606
CHES	CHESAPEAKE EXPWY	MT PLEASANT RD	BATTLEFIELD BLVD (N OF GREAT BRIDGE	NB				32,602	11/4 - 11/6	V							36,866	6/6 - 6/8	V				36,866
				SB				30,987	11/4 - 11/6	V							34,905	6/6 - 6/8	V				34,905
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (N OF GREAT BRIDGE	DOMINION BLVD	NB				31,321	11/4 - 11/6	V							37,112	6/7 - 6/8	V				37,112
				SB				31,364	11/4 - 11/6	V							36,161	6/7 - 6/8	V				36,161
CHES	CHESAPEAKE EXPWY	DOMINION BLVD	I-64	NB													30,000		E				30,000
				SB													39,000		E				39,000
CHES	CHURCHLAND BLVD	WESTERN BRANCH BLVD	TOWNE POINT RD					6,339	8/19 - 8/20	V							6,211	7/25 - 7/26	V				6,211
CHES	CHURCHLAND BLVD	TOWNE POINT RD	PORTSMOUTH CL		13,615	10/23 - 10/24	V							14,478	8/10 - 8/11	V							14,478
CHES	DOCK LANDING RD	JOLLIFF RD	I-664					5,394	7/15 - 7/16	V							6,030	9/19 - 9/20	V				6,030
CHES	DOCK LANDING RD	I-664	EAGLE HILL DR					5,922	7/15 - 7/16	V							6,225	9/19 - 9/20	V				6,225
CHES	DOCK LANDING RD	EAGLE HILL DR	PORTSMOUTH BLVD					5,933	9/3 - 9/4	V							6,163	9/19 - 9/20	V				6,163
CHES	DOMINION BLVD	GEORGE WASHINGTON HWY	CEDAR RD														10,383	9/13 - 9/14	V				10,383
CHES	DOMINION BLVD/VETERANS BRIDGE	CEDAR RD	DOMINION LAKES BLVD	NB	14,300	1/1 - 12/31	V										13,324	1/1 - 12/31	C	14,066	1/1 - 12/31	C	14,066
				SB	13,048	1/1 - 12/31	V										12,449	1/1 - 12/31	C	13,100	1/1 - 12/31	C	13,100
CHES	DOMINION BLVD	DOMINION LAKES BLVD	GREAT BRIDGE BLVD	NB													14,763	9/13 - 9/14	V				14,763
				SB													13,404	9/13 - 9/14	V				13,404
CHES	DOMINION BLVD	GREAT BRIDGE BLVD	CHESAPEAKE EXPRESSWAY	NB													23,005	10/10 - 10/12	V				23,005
				SB													17,468	10/10 - 10/12	V				17,468
CHES	EDINBURGH PKWY/ST BRIDES RD	SIGN PINE RD	HILLCREST PKWY																	7,000		E	7,000
CHES	ELBOW RD	BUTTS STATION RD	CENTERVILLE TNPK					4,919	7/9 - 7/10	V							5,832	4/5 - 4/6	V				5,832
CHES	ELBOW RD	CENTERVILLE TNPK	VA BEACH CL					8,798	7/9 - 7/10	V							8,873	4/5 - 4/6	V				8,873
CHES	ETHERIDGE MANOR RD	HILLWELL RD	RIVER GATE RD					14,442	7/22 - 7/23	V							15,670	4/5 - 4/6	V				15,670
CHES	ETHERIDGE MANOR RD	RIVER GATE RD	CENTERVILLE TPKE					14,442	7/22 - 7/23	V							15,670	4/5 - 4/6	V				15,670
CHES	FENTRESS AIRFIELD RD	BLACKWATER RD	MOUNT PLEASANT RD					4,628	12/2 - 12/3	V							5,415	4/4 - 4/5	V				5,415
CHES	FREEMAN AVE	I-464	BAINBRIDGE BLVD					9,851	6/25 - 6/26	V							9,234	9/6 - 9/7	V				9,234
CHES	GEORGE WASHINGTON HWY	NORTH CAROLINA STATE LINE	DOMINION BLVD		12,593	1/1 - 12/31	V	12,431	1/1 - 12/31	V	12,698	1/1 - 12/31	V	13,398	1/1 - 12/31	V	13,824	1/1 - 12/31	V	14,401	1/1 - 12/31	V	14,401
CHES	GEORGE WASHINGTON HWY	DOMINION BLVD	GW HWY RELOCATED														5,857	5/2 - 5/3	V				5,857
CHES	GEORGE WASHINGTON HWY	GW HWY RELOCATED	MOSES GRANDY TR @ HINTON AVE														5,857	5/2 - 5/3	V				5,857
CHES	GW HWY (DEEP CREEK BRIDGE)	MOSES GRANDY TR @ HINTON AVE	MILL CREEK PKWY					27,677	3/20	C							33,820	5/3 - 5/4	V				33,820
CHES	GEORGE WASHINGTON HWY	MILL CREEK PKWY	WILLOWOOD DR														33,820	5/3 - 5/4	V				33,820
CHES	GEORGE WASHINGTON HWY	WILLOWOOD DR	I-64														33,820	5/3 - 5/4	V				33,820
CHES	GEORGE WASHINGTON HWY	I-64	MILITARY HWY					25,965	5/28 - 6/11	V							23,925	4/18 - 4/19	V				23,925
CHES	GEORGE WASHINGTON HWY	MILITARY HWY	CANAL DR					15,826	5/28 - 5/29	V							13,359	4/18 - 4/19	V				13,359
CHES	GEORGE WASHINGTON HWY	CANAL DR	PORTSMOUTH CL					30,946	6/4 - 6/5	V							31,868	4/19 - 4/20	V				31,868
CHES	GREAT BRIDGE BLVD	BAINBRIDGE BLVD	CAMPOSTELLA RD					4,009	6/18 - 6/19	V							4,207	9/6 - 9/7	V				4,207
CHES	GREAT BRIDGE BLVD	CAMPOSTELLA RD	I-64					8,323	7/16 - 7/17	V							8,723	5/16 - 5/17	V				8,723
CHES	GREAT BRIDGE BLVD	I-64	DOMINION BLVD														13,789	5/16 - 5/17	V				13,789
CHES	GREAT BRIDGE BLVD	DOMINION BLVD	RIVERWALK PKWY WEST					12,380	6/18 - 6/19	V							14,711	5/16 - 5/17	V				14,711
CHES	GREAT BRIDGE BLVD	RIVERWALK PKWY WEST	BATTLEFIELD BLVD					12,380	6/18 - 6/19	V							14,711	5/16 - 5/17	V				14,711
CHES	GREENBRIER PKWY	KEMPSVILLE RD	VOLVO PKWY					28,062	7/22 - 7/23	V							29,157	5/3 - 5/4	V				29,157
CHES	GREENBRIER PKWY	VOLVO PKWY	EDEN WAY					44,045	7/16 - 7/17	V							46,169	5/2 - 5/4	V				46,169
CHES	GREENBRIER PKWY	EDEN WAY	I-64					82,274	7/16 - 7/17	V							83,036	5/2 - 5/4	V				83,036
CHES	GREENBRIER PKWY	I-64	WOODLAKE DR					56,046	7/16 - 7/17	V							56,150	6/7 - 6/8	V				56,150
CHES	GREENBRIER PKWY	WOODLAKE DR	MILITARY HWY					30,450	11/5 - 11/6	V							31,765	6/7 - 6/8	V				31,765
CHES	HANBURY RD	JOHNSTOWN RD	BATTLEFIELD BLVD					9,339	7/16 - 7/17	V							10,132	4/5 - 4/6	V				10,132
CHES	HANBURY RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY					16,792	7/16 - 7/17	V							17,048	4/5 - 4/6	V				17,048
CHES	HANBURY RD	CHESAPEAKE EXPRESSWAY	HILLWELL RD					16,792	7/16 - 7/17	V							17,048	4/5 - 4/6	V				17,048
CHES	HILLCREST PKWY	EDINBURGH PKWY	CHESAPEAKE EXPRESSWAY																	15,000		E	15,000

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					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
CHES	HILLCREST PKWY	CHESAPEAKE EXPRESSWAY	BATTLEFIELD BLVD																	18,000		E	18,000
CHES	I-64	VA BEACH CL	GREENBRIER PKWY	EB																75,898	8/7 - 8/8	V	75,898
				WB	65,757	1/1 - 12/31	V	67,927	1/1 - 12/31	V	68,604	1/1 - 12/31	V	69,253	1/1 - 12/31	V	71,686	1/1 - 12/31	V	75,117	8/7 - 8/8	V	75,117
CHES	I-64	GREENBRIER PKWY	BATTLEFIELD BLVD	EB							64,714	7/28 - 7/29	V							71,180	7/31 - 8/1	V	71,180
				WB							72,566	7/28 - 7/29	V							69,747	7/31 - 8/8	V	69,747
CHES	I-64	BATTLEFIELD BLVD	I-464	EB							62,014	7/14 - 7/15	V							66,978	7/10 - 7/11	V	66,978
				WB							62,000	1/0	E							54,622	7/31 - 8/1	V	54,622
CHES	I-64	I-464	GEORGE WASHINGTON HWY	EB				46,947	1/1 - 12/31	V				47,926	1/1 - 8/11	V	49,751	3/31 - 12/31	V	49,227	1/1 - 12/31	V	49,227
				WB				46,653	1/1 - 12/31	V	46,258	1/7 - 7/15	V	48,380	1/1 - 8/11	V	49,678	3/31 - 12/31	V	49,131	1/1 - 12/31	V	49,131
CHES	I-64	GEORGE WASHINGTON HWY	MILITARY HWY	EB				42,143	1/1 - 12/31	V				45,159	1/1 - 8/11	V	46,923	3/31 - 12/31	V	45,822	1/1 - 12/31	V	45,822
				WB				40,215	1/1 - 12/31	V				43,638	1/1 - 8/11	V	44,261	3/31 - 12/31	V	43,271	1/1 - 12/31	V	43,271
CHES	I-64	MILITARY HWY	I-264&664	EB	39,998	1/1 - 12/31	V	43,398	1/1 - 12/31	V	44,603	1/1 - 12/31	V	46,352	1/1 - 12/31	V	47,793	1/1 - 12/31	V	47,909	1/1 - 12/31	V	47,909
				WB	37,536	1/1 - 12/31	V	41,174	1/1 - 12/31	V	43,053	1/1 - 12/31	V	44,051	1/1 - 12/31	V	44,557	1/1 - 12/31	V	44,370	1/1 - 12/31	V	44,370
CHES	I-264	I-64&664	WCL PORTSMOUTH	EB										28,783	1/1 - 8/11	V	29,427	3/31 - 12/31	V	29,433	1/1 - 12/31	V	29,433
				WB										29,487	1/1 - 8/11	V	29,848	3/31 - 12/31	V	29,605	1/1 - 12/31	V	29,605
CHES	I-464	I-64	MILITARY HWY	NB							32,668	9/1 - 9/2	V	32,259	1/1 - 8/11	V	34,689	3/31 - 12/31	V	37,138	1/1 - 12/31	V	37,138
				SB										32,602	1/1 - 8/11	V	35,421	3/31 - 12/31	V	40,394	1/1 - 12/31	V	40,394
CHES	I-464	MILITARY HWY	FREEMAN AVE	NB							30,395	9/1 - 9/2	V	28,744	1/1 - 8/11	V	30,668	3/31 - 12/31	V	30,856	1/1 - 12/31	V	30,856
				SB							30,720	9/1	V	29,541	1/1 - 8/11	V	31,748	3/31 - 12/31	V	32,642	1/1 - 12/31	V	32,642
CHES	I-464	FREEMAN AVE	POINDEXTER ST	NB	27,254	1/1 - 12/31	V	26,836	1/1 - 12/31	V	28,010	1/1 - 12/31	V	28,842	1/1 - 12/31	V	30,324	1/1 - 12/31	V	30,920	1/1 - 12/31	V	30,920
				SB	24,390	1/1 - 12/31	V	25,667	1/1 - 12/31	V	26,938	1/1 - 12/31	V	28,199	1/1 - 12/31	V	30,035	1/1 - 12/31	V	31,193	1/1 - 12/31	V	31,193
CHES	I-464	POINDEXTER ST	NORFOLK CL	NB										29,354	1/1 - 8/11	V	31,441	3/31 - 12/31	V	31,562	1/1 - 12/31	V	31,562
				SB										28,108	1/1 - 8/11	V	29,868	3/31 - 12/31	V	30,603	1/1 - 12/31	V	30,603
CHES	I-664	I-64 & I-264	ROUTES 13/58/460	SB				58,273	1/1 - 12/31	V	65,913	7/7 - 7/8	V							62,220	6/26 - 6/27	V	62,220
				NB							63,637	7/7 - 7/8	V							65,788	6/26 - 6/27	V	65,788
CHES	I-664	ROUTES 13/58/460	DOCK LANDING RD	SB													47,108	8/22 - 8/23	V	49,402	7/31 - 8/1	V	49,402
				NB							50,747	6/30 - 7/1	V				48,062	8/22 - 8/23	V	49,622	6/19 - 6/20	V	49,622
CHES	I-664	DOCK LANDING RD	PORTSMOUTH BLVD	SB				45,623	1/1 - 12/31	V										48,086	6/12 - 6/13	V	48,086
				NB				47,243	1/1 - 12/31	V	47,206	1/1 - 7/1	V							48,865	6/12 - 6/13	V	48,865
CHES	I-664	PORTSMOUTH BLVD	PUGHSVILLE RD	SB				43,400	1/1 - 12/31	V										45,361	6/12 - 6/13	V	45,361
				NB				44,565	1/1 - 12/31	V	45,138	1/1 - 7/1	V							46,084	6/12 - 6/13	V	46,084
CHES	I-664	PUGHSVILLE RD	SUFFOLK CL	SB																45,084	6/12 - 6/13	V	45,084
				NB													45,172	8/22 - 8/23	V				45,172
CHES	INDIAN RIVER RD	NORFOLK CL	KEMP LANE					20,520	6/25 - 6/26	V							21,524	6/14 - 6/15	V				21,524
CHES	INDIAN RIVER RD	KEMP LANE	VA BEACH CL					26,747	6/24 - 6/25	V							28,054	6/14 - 6/15	V				28,054
CHES	JOHNSTOWN RD	BENEFIT RD	STONEGATE PKWY					3,465	7/22 - 7/23	V							3,534	5/3 - 5/4	V				3,534
CHES	JOHNSTOWN RD	STONEGATE PKWY	HANBURY RD					3,465	7/22 - 7/23	V							3,534	5/3 - 5/4	V				3,534
CHES	JOHNSTOWN RD	HANBURY RD	PARKER RD					3,465	7/22 - 7/23	V							3,534	5/3 - 5/4	V				3,534
CHES	JOHNSTOWN RD	PARKER RD	BATTLEFIELD BLVD					3,465	7/22 - 7/23	V							3,534	5/3 - 5/4	V				3,534
CHES	JOLLIFF RD	AIRLINE BLVD	DOCK LANDING RD					3,019	7/15 - 7/16	V							3,642	9/19 - 9/20	V				3,642
CHES	JOLLIFF RD	DOCK LANDING RD	PORTSMOUTH BLVD					3,735	7/15 - 7/16	V							4,159	9/19 - 9/20	V				4,159
CHES	KEMPSVILLE RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY					29,443	6/18 - 8/6	V							33,704	5/16 - 5/17	V				33,704
CHES	KEMPSVILLE RD	CHESAPEAKE EXPRESSWAY	GREENBRIER PKWY					29,838	6/17 - 6/18	V							34,111	5/16 - 5/17	V				34,111
CHES	KEMPSVILLE RD	GREENBRIER PKWY	VOLVO PKWY					20,956	6/17 - 6/18	V							23,044	5/16 - 5/17	V				23,044
CHES	KEMPSVILLE RD	VOLVO PKWY	VA BEACH CL					23,943	8/5 - 8/6	V							21,399	5/16 - 5/17	V				21,399
CHES	LIBERTY ST	SCL NORFOLK	22ND ST					4,917	6/25 - 6/26	V							3,524	9/6 - 9/7	V				3,524
CHES	LIBERTY ST	22ND ST	POINDEXTER RD					7,246	8/5 - 8/6	V							7,424	6/6 - 6/7	V				7,424
CHES	LIBERTY ST	POINDEXTER RD	OLD ATLANTIC AVE					7,246	8/5 - 8/6	V							7,424	6/6 - 6/7	V				7,424
CHES	LIBERTY ST	OLD ATLANTIC AVE	CAMPOSTELLA RD					4,475	6/25 - 6/26	V							4,662	6/6 - 6/7	V				4,662
CHES	MILITARY HWY	AIRLINE BLVD	I-64					8,536	6/4 - 6/5	V							11,342	4/19 - 4/20	V				11,342
CHES	MILITARY HWY	I-64	CAVALIER BLVD					17,358	6/4 - 6/5	V							20,483	4/19 - 4/20	V				20,483
CHES	MILITARY HWY	CAVALIER BLVD	GEORGE WASHINGTON HWY					17,358	6/4 - 6/5	V							20,483	4/19 - 4/20	V				20,483
CHES	MILITARY HWY	GEORGE WASHINGTON HWY	CANAL DR					18,138	6/4 - 6/5	V							20,391	4/19 - 4/20	V				20,391
CHES	MILITARY HWY/GILMERTON BRIDGE	CANAL DR	BAINBRIDGE BLVD		18,780	1/1 - 12/31	V	28,470	1/1 - 12/31	V	33,383	1/1 - 12/31	V	37,123	1/1 - 12/31	V	38,769	1/1 - 12/31	V	38,796	1/1 - 12/31	V	38,796
CHES	MILITARY HWY	BAINBRIDGE BLVD	I-464					31,315	10/28 - 10/29	V							40,799	6/7 - 6/8	V				40,799
CHES	MILITARY HWY	I-464	CAMPOSTELLA RD					23,698	10/28 - 10/29	V							27,954	6/7 - 6/8	V				27,954

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Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
CHES	MILITARY HWY	CAMPOSTELLA RD	BATTLEFIELD BLVD					25,243	6/11 - 6/12	V							27,149	6/7 - 6/8	V				27,149
CHES	MILITARY HWY	BATTLEFIELD BLVD	ALLISON DR					25,881	6/11 - 6/12	V							26,418	6/7 - 6/8	V				26,418
CHES	MILITARY HWY	ALLISON DR	GREENBRIER PKWY					28,616	6/4 - 6/5	V													28,616
CHES	MILITARY HWY	GREENBRIER PKWY	VA BEACH CL					32,216	6/11 - 6/12	V							33,849	7/25 - 7/26	V				33,849
CHES	MOSES GRANDY TRAIL	GW HWY @ HINTON AVE	SHIPYARD/CEDAR RD/GW HWY RELOC					14,107	6/10 - 6/11	V							14,116	5/23 - 5/24	V				14,116
CHES	MOSES GRANDY TRAIL	SHIPYARD RD/CEDAR RD	CEDAR RD					14,107	6/10 - 6/11	V							14,116	5/23 - 5/24	V				14,116
CHES	MOSES GRANDY TRAIL	CEDAR RD	DOMINION BLVD					14,107	6/10 - 6/11	V							14,116	5/23 - 5/24	V				14,116
CHES	MOUNT PLEASANT RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY					20,835	6/10 - 6/11	V							19,593	4/4 - 4/6	V				19,593
CHES	MOUNT PLEASANT RD	CHESAPEAKE EXPRESSWAY	CENTERVILLE TNPK					20,236	6/10 - 6/11	V							20,297	4/4 - 4/5	V				20,297
CHES	MOUNT PLEASANT RD	CENTERVILLE TNPK	FENTRESS AIRFIELD RD					11,002	6/10 - 6/11	V							10,996	4/4 - 4/5	V				10,996
CHES	MOUNT PLEASANT RD	FENTRESS AIRFIELD RD	VA BEACH CL		11,018	1/1 - 12/31	C	10,343	1/1 - 12/31	C	10,470	1/1 - 12/31	C	13,513	1/1 - 9/28	C	11,684	4/4 - 4/5	V				11,684
CHES	OLD ATLANTIC AVE	ATLANTIC AVE	LIBERTY ST					4,751	6/25 - 6/26	V							4,977	6/6 - 6/7	V				4,977
CHES	OLD BATTLEFIELD BLVD	BALLAHACK RD	BATTLEFIELD BLVD					988	7/22 - 7/23	V							1,011	4/25 - 4/26	V				1,011
CHES	POINDEXTER ST (S NORFOLK JORDAN	PORTSMOUTH CL	I-464		6,159	1/1 - 12/31	T	8,777	1/1 - 12/31	T	10,452	1/1 - 12/31	T	9,655	1/1 - 12/31	T	8,968	1/1 - 12/31	T	9,032	1/1 - 12/31	T	9,032
CHES	POINDEXTER ST	I-464	BAINBRIDGE BLVD					11,861	7/8 - 7/10	V							13,149	5/17 - 5/18	V				13,149
CHES	POINDEXTER ST	BAINBRIDGE BLVD	LIBERTY ST					7,373	6/25 - 6/26	V							8,387	5/17 - 5/18	V				8,387
CHES	POPLAR HILL RD	WESTERN BRANCH BLVD	CHURCHLAND BLVD					11,620	9/3 - 10/1	V							11,666	9/6 - 9/7	V				11,666
CHES	PORTSMOUTH BLVD	SUFFOLK CL	JOLLIFF RD					12,948	7/15 - 7/16	V										15,820	12/5 - 12/6	V	15,820
CHES	PORTSMOUTH BLVD	JOLLIFF RD	I-664					20,658	7/15 - 7/16	V										24,136	12/5 - 12/6	V	24,136
CHES	PORTSMOUTH BLVD	I-664	TAYLOR RD					24,144	9/30 - 10/1	V							24,106	7/25 - 7/26	V				24,106
CHES	PORTSMOUTH BLVD	TAYLOR RD	DOCK LANDING RD					26,973	7/15 - 7/16	V							27,811	7/25 - 7/26	V				27,811
CHES	PORTSMOUTH BLVD	DOCK LANDING RD	PORTSMOUTH CL					27,552	7/15 - 7/16	V							28,158	7/25 - 7/26	V				28,158
CHES	PROVIDENCE RD	ATLANTIC AVE	CAMPOSTELLA RD																	8,000		E	8,000
CHES	PROVIDENCE RD	CAMPOSTELLA RD	VA BEACH CL					14,292	7/8 - 7/10	V							16,429	6/14 - 6/15	V				16,429
CHES	PUGHSVILLE RD	SUFFOLK CL	I-664					10,271	7/15 - 7/16	V							11,953	7/25 - 7/26	V				11,953
CHES	PUGHSVILLE RD	I-664	TAYLOR RD					23,967	10/28 - 10/29	V							23,883	7/25 - 7/26	V				23,883
CHES	ROUTE 13/58/460	SUFFOLK CL	I-664	EB	35,839	1/1 - 12/31	V	35,530	1/1 - 12/31	V	37,118	1/1 - 12/31	V	38,776	1/1 - 12/31	V	39,929	1/1 - 12/31	V	40,126	1/1 - 12/31	V	40,126
				WB	35,738	1/1 - 12/31	V	35,458	1/1 - 12/31	V	36,925	1/1 - 12/31	V	38,692	1/1 - 12/31	V	40,086	1/1 - 12/31	V	40,312	1/1 - 12/31	V	40,312
CHES	SIGN PINE RD	EDINBURGH PKWY	BENEFIT RD					3,321	7/22 - 7/23	V							3,690	4/25 - 4/26	V				3,690
CHES	TAYLOR RD	PORTSMOUTH BLVD	ELIZABETH HARBOR RD					21,317	7/29 - 7/31	V							21,031	7/25 - 7/26	V				21,031
CHES	TAYLOR RD	ELIZABETH HARBOR RD	BRUCE RD					21,317	7/29 - 7/31	V							21,031	7/25 - 7/26	V				21,031
CHES	TAYLOR RD	BRUCE RD	PUGHSVILLE RD					23,071	7/29 - 7/31	V							23,765	7/25 - 7/26	V				23,765
CHES	TAYLOR RD	PUGHSVILLE RD	WESTERN BRANCH BLVD					14,597	7/29 - 7/31	V							14,199	7/25 - 7/26	V				14,199
CHES	TOWNE POINT RD	PORTSMOUTH CL	CHURCHLAND BLVD					21,793	8/19 - 8/20	V							22,992	10/3 - 10/4	V				22,992
CHES	TYRE NECK RD	BRUCE RD	SILVERWOOD BLVD					9,283	7/29 - 7/31	V							8,932	9/19 - 9/20	V				8,932
CHES	TYRE NECK RD	SILVERWOOD BLVD	PORTSMOUTH CL		11,474	9/10 - 9/11	V							10,492	8/10 - 8/11	V							10,492
CHES	VOLVO PKWY	BATTLEFIELD BLVD	GREENBRIER PKWY					25,710	8/5 - 8/6	V							26,034	5/9 - 5/10	V				26,034
CHES	VOLVO PKWY	GREENBRIER PKWY	EDEN WAY					24,395	7/15 - 7/16	V							27,065	5/9 - 5/10	V				27,065
CHES	VOLVO PKWY	EDEN WAY	KEMPSVILLE RD					26,396	7/9 - 7/10	V							30,422	5/9 - 5/10	V				30,422
CHES	VOLVO PKWY	KEMPSVILLE RD	VA BEACH CL								8,874	6/23 - 6/24	V	7,827	4/5 - 7/25	C	15,378	3/28 - 3/30	C	16,597	5/1	C	16,597
CHES	WESTERN BRANCH BLVD	CHURCHLAND BLVD	TAYLOR RD					19,487	5/28 - 5/29	V							18,365	10/3 - 10/4	V				18,365
CHES	WESTERN BRANCH BLVD	TAYLOR RD	PORTSMOUTH CL											19,129	8/9 - 8/10	V							19,129
FR	ARMORY DR	ROUTE 58	BAILEY DR								13,690	3/3 - 3/4	V							13,110	3/20 - 3/22	V	13,110
FR	ARMORY DR	BAILEY DR	COLLEGE DR								14,269	3/3 - 3/4	V							13,049	3/20 - 3/22	V	13,049
FR	ARMORY DR	COLLEGE DR	GARDNER ST								5,575	1/27 - 1/28	V							6,371	3/20 - 3/22	V	6,371
FR	ARMORY DR/SECOND AVE	GARDNER ST	HIGH ST								5,630	1/27 - 1/28	V							6,503	3/20 - 3/22	V	6,503
FR	CLAY ST	SOUTHAMPTON CL	COLLEGE DR		3,276	1/1 - 12/31	V	3,966	1/1 - 12/31	V	3,204	1/1 - 12/31	V	3,448	1/1 - 12/31	V	3,362	1/1 - 12/31	V	3,357	1/1 - 12/31	V	3,357
FR	CLAY ST	COLLEGE DR	HOMESTEAD RD								4,362	3/3 - 3/4	V							3,971	3/14 - 3/15	V	3,971
FR	CLAY ST	HOMESTEAD RD	LEE ST								3,417	3/3 - 3/4	V							3,465	3/14 - 3/15	V	3,465
FR	CLAY ST/FOURTH AVE	LEE ST	HIGH ST								2,047	1/27 - 1/28	V							1,346	3/13 - 3/14	V	1,346
FR	COLLEGE DR	SOUTH ST	ARMORY DR								6,966	1/27 - 1/29	V							8,210	3/14 - 3/15	V	8,210
FR	COLLEGE DR	ARMORY DR	CLAY ST								9,332	1/28 - 1/29	V							9,974	3/14 - 3/15	V	9,974
FR	FAIRVIEW DR	HUNTERDALE RD	CRESENT DR								4,748	3/10 - 3/11	V							4,571	3/13 - 3/14	V	4,571
FR	FAIRVIEW DR	CRESENT DR	HIGH ST								3,022	2/11 - 2/12	V							2,698	3/13 - 3/14	V	2,698
FR	FOURTH AVE/MECHANIC ST	HIGH ST	SECOND AVE								1,170	1/27 - 1/28	V							1,426	3/7 - 3/8	V	1,426
FR	HIGH ST	SOUTH ST	SECOND AVE								3,056	1/28 - 1/29	V							3,043	3/13 - 3/14	V	3,043

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
FR	HIGH ST	SECOND AVE	FOURTH AVE								3,052	1/27 - 1/28	V							3,303	3/13 - 3/14	V	3,303
FR	HIGH ST	FOURTH AVE	HOMESTEAD RD								3,614	2/11 - 2/12	V							3,302	3/14	V	3,302
FR	HIGH ST	HOMESTEAD RD	FAIRVIEW DR								2,907	2/11 - 2/12	V							2,546	3/13 - 3/14	V	2,546
FR	HUNTERDALE RD	CLAY ST	FAIRVIEW DR								8,071	3/10 - 3/11	V							8,220	3/13 - 3/14	V	8,220
FR	MAIN ST	SOUTH ST	SECOND AVE								2,565	1/28 - 1/29	V							2,534	3/20 - 3/22	V	2,534
FR	PRETLOW ST	ROUTE 58	MORTON ST								1,821	1/28 - 1/29	V							1,962	3/7 - 3/8	V	1,962
FR	PRETLOW ST	MORTON ST	LAUREL ST								2,746	1/28 - 3/11	V							3,000	3/7 - 3/8	V	3,000
FR	PRETLOW ST	LAUREL ST	SOUTH ST								2,746	1/28 - 3/11	V							3,000	3/7 - 3/8	V	3,000
FR	SECOND AVE	HIGH ST	MAIN ST								4,649	1/27 - 1/28	V							5,276	3/20 - 3/22	V	5,276
FR	SECOND AVE	MAIN ST	MECHANIC ST								4,557	1/27 - 1/28	V							5,201	3/20 - 3/22	V	5,201
FR	SECOND AVE	MECHANIC ST	ISLE OF WIGHT CL								7,731	1/27 - 1/28	V							9,163	3/27 - 3/28	V	9,163
FR	SOUTH ST	ROUTE 58	COLLEGE DR								5,047	1/27 - 1/28	V							6,560	3/27 - 3/28	V	6,560
FR	SOUTH ST	COLLEGE DR	PRETLOW ST								6,329	1/27 - 1/28	V							7,334	3/20 - 3/22	V	7,334
FR	SOUTH ST	PRETLOW ST	HIGH ST								5,123	1/28 - 1/29	V							5,390	3/20 - 3/22	V	5,390
FR	SOUTH ST	HIGH ST	MAIN ST								2,812	1/28 - 1/29	V							2,808	3/20 - 3/22	V	2,808
GLO	BELROI RD	HICKORY FORK RD	ROUTE 17								4,734	6/2 - 6/3	V							4,840	3/27 - 3/28	V	4,840
GLO	GUINEA RD	ROUTE 17	MARYUS RD								7,795	4/7 - 4/9	V							8,782	4/11 - 4/12	V	8,782
GLO	HICKORY FORK RD	ROUTE 17	BELROI RD								5,772	4/8 - 4/9	V							6,038	3/27 - 3/28	V	6,038
GLO	RTE 3/14	RTE 17 BUS	COW CREEK								18,778	4/22 - 4/23	V							19,906	3/28 - 3/29	V	19,906
GLO	RTE 3/14	COW CREEK	MATHEWS CL								13,393	4/22 - 4/23	V							14,382	3/28 - 3/29	V	14,382
GLO	RTE 14	KING AND QUEEN CL	ROUTE 17								4,713	4/22 - 4/23	V							5,120	3/28 - 3/29	V	5,120
GLO	RTE 17 (COLEMAN BRIDGE)	YORK CL	RTE 216 (GUINEA RD)		33,385	1/1 - 12/31	V	32,780	1/1 - 12/31	V	34,285	1/1 - 12/31	V	34,401	1/1 - 12/31	V	34,507	1/1 - 12/31	V	34,644	1/1 - 12/31	V	34,644
GLO	RTE 17	RTE 216 (GUINEA RD)	RTE 614 (HICKORY FORK RD)								38,066	4/21 - 4/22	V							35,974	7/24-7/26	V	35,974
GLO	RTE 17	RTE 614 (HICKORY FORK RD)	RTE 17 BUS S (MAIN ST)								31,708	4/21 - 4/22	V							29,129	7/24-7/26	V	29,129
GLO	RTE 17	RTE 17 BUS S (MAIN ST)	RTE 17 BUS N (MAIN ST)								20,430	4/7 - 4/9	V							20,500	7/24-7/26	V	20,500
GLO	RTE 17	RTE 17 BUS N (MAIN ST)	RTE 606 (ARK RD)								16,486	4/7 - 4/9	V							17,093	7/24-7/26	V	17,093
GLO	RTE 17	RTE 606 (ARK RD)	ROUTE 14								12,583	4/7 - 4/9	V							11,444	7/24-7/26	V	11,444
GLO	RTE 17	ROUTE 14	ROUTES 33/198								6,733	4/7 - 4/9	V							6,986	7/24-7/26	V	6,986
GLO	RTE 17	ROUTES 33/198	MIDDLESEX CL								12,937	4/7 - 4/9	V							12,419	7/25-9/27	V	12,419
GLO	RTE 33	KING AND QUEEN CL	ROUTE 17								7,965	4/8 - 4/9	V							9,051	7/25-7/26	V	9,051
GLO	RTE 198	ROUTE 17	RTE 601 (PAMPA RD)								2,473	4/8 - 4/9	V							2,182	3/13 - 3/15	V	2,182
GLO	RTE 198	RTE 601 (PAMPA RD)	RTE 606 (HARCUM RD)								2,473	4/8 - 4/9	V							2,338	3/13 - 3/15	V	2,338
GLO	RTE 198	RTE 606 (HARCUM RD)	MATHEWS CL								2,262	4/8 - 4/9	V							2,353	3/13 - 3/15	V	2,353
GLO	MAIN ST (BUS RTE 17)	RTE 17 (SOUTH INTERSECTION)	RTE 3/14E								22,360	4/22 - 4/23	V							23,958	3/28 - 3/29	V	23,958
HAM	ABERDEEN RD	NEWPORT NEWS CL	PEMBROKE AVE		11,685	4/2 - 4/3	V	11,231		C				12,633	4/19 - 4/20	V							12,633
HAM	ABERDEEN RD	PEMBROKE AVE	I-664		11,685	4/2 - 4/3	V	11,231		C				12,633	4/19 - 4/20	V							12,633
HAM	ABERDEEN RD	I-664	BRIARFIELD RD		20,175	4/2 - 4/3	V							22,197	4/19 - 4/20	V							22,197
HAM	ABERDEEN RD	BRIARFIELD RD	MERCURY BLVD		15,179	4/3 - 4/4	V							18,767	9/7 - 9/8	V							18,767
HAM	ABERDEEN RD	MERCURY BLVD	TODDS LA		10,590	4/3 - 4/4	V	10,731		C				11,837	5/17 - 5/18	V							11,837
HAM	ARMISTEAD AVE	COMMANDER SHEPARD BLVD	HRC PARKWAY		24,797	4/9 - 4/10	V							17,882	3/8 - 3/9	V							17,882
HAM	ARMISTEAD AVE	HRC PARKWAY	MERCURY BLVD		25,905	1/1 - 12/31	V	24,150	1/1 - 12/31	V	24,359	1/1 - 12/31	V	25,722	1/1 - 12/31	V	25,488	1/1 - 12/31	V	25,239	1/1 - 12/31	V	25,239
HAM	ARMISTEAD AVE	MERCURY BLVD	PINE CHAPEL RD		18,999	3/6 - 3/7	V							18,797	3/8 - 3/9	V							18,797
HAM	ARMISTEAD AVE	PINE CHAPEL RD	LASALLE AVE		20,788	3/20 - 3/21	V							20,973	3/15 - 3/16	V							20,973
HAM	ARMISTEAD AVE	LASALLE AVE	RIP RAP RD		14,526	3/6 - 3/7	V							15,646	3/9 - 3/10	V							15,646
HAM	ARMISTEAD AVE	RIP RAP RD	PEMBROKE AVE		12,014	3/6 - 3/7	V							12,841	3/9 - 3/10	V							12,841
HAM	ARMISTEAD AVE	PEMBROKE AVE	SETTLERS LANDING RD		11,605	3/6 - 3/7	V							12,454	3/29 - 3/30	V							12,454
HAM	BIG BETHEL RD	TODDS LANE	HRC PKWY		25,341	5/14	C							17,544	6/7 - 6/8	V							17,544
HAM	BIG BETHEL RD	HRC PKWY	THOMAS NELSON DR		23,455	3/26 - 3/27	V							22,206	6/7 - 6/8	V							22,206
HAM	BIG BETHEL RD	THOMAS NELSON DR	SAUNDERS RD		17,788	5/14	C							15,417	6/7 - 6/8	V							15,417
HAM	BIG BETHEL RD	SAUNDERS RD	SEMPLE FARM RD		13,308	5/14	C							15,417	6/7 - 6/8	V							15,417
HAM	BIG BETHEL RD	SEMPLE FARM RD	YORK CL		10,632	3/27 - 3/28	V							10,830	6/7 - 6/8	V							10,830
HAM	BRIARFIELD RD	NEWPORT NEWS CL	ABERDEEN RD		10,858	4/3 - 4/4	V	9,656		C				9,934	4/12 - 4/13	V				9,005		C	9,005
HAM	BRIARFIELD RD	ABERDEEN RD	POWER PLANT PKWY		11,462	4/3 - 4/4	V							11,809	4/13 - 4/14	V							11,809
HAM	CHESTNUT AVE	NEWPORT NEWS CL	MERCURY BLVD		4,913	4/2 - 4/3	V							4,748	10/25 - 10/26	V							4,748
HAM	COMMANDER SHEPARD BLVD	BIG BETHEL RD	NORTH CAMPUS PKWY					5,560		C	5,876		C										5,876
HAM	COMMANDER SHEPARD BLVD	NORTH CAMPUS PKWY	MAGRUDER BLVD/NEIL ARMSTRONG PKWY					5,560		C	5,876		C										5,876

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																								MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018									
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE								
HAM	COMMANDER SHEPARD BLVD	MAGRUDER BLVD/NEIL ARMSTRONG PK	ARMISTEAD AVE		8,139	3/13 - 3/14	V							8,990	2/23 - 2/24	V													8,990
HAM	COMMANDER SHEPARD BLVD	ARMISTEAD AVE	NASA MAIN GATE		17,615	3/13 - 3/14	V							16,962	3/29 - 3/30	V													16,962
HAM	COMMANDER SHEPARD BLVD	NASA MAIN GATE	WYTHE CREEK RD		16,629	3/13 - 3/14	V							12,693	2/23 - 2/24	V													12,693
HAM	COMMANDER SHEPARD BLVD	WYTHE CREEK RD	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		22,477	4/9 - 4/10	V							20,402	4/19 - 4/20	V													20,402
HAM	COLISEUM DR	CONVENTION CENTER BLVD	PINE CHAPEL RD					1,100		E																			1,100
HAM	COLISEUM DR	PINE CHAPEL RD	MERCURY BLVD		9,554	4/24 - 4/25	V	8,014		C				8,276	3/29 - 3/30	V													8,276
HAM	COLISEUM DR	MERCURY BLVD	MARCELLA DR																	18,443			C						18,443
HAM	COLISEUM DR	MARCELLA DR	HRC PARKWAY					17,933		C																			17,933
HAM	CONVENTION CENTER BLVD	COLISEUM DR	ARMISTEAD AVE					1,100		E																			1,100
HAM	COUNTY ST	WOODLAND RD	MALLORY ST		3,387	3/12 - 3/13	V	4,026		C				4,950	3/16 - 3/17	V				4,516			C						4,516
HAM	CUNNINGHAM DR	TODDS LA	COLISEUM DR		19,507	5/16	C							21,851	3/30 - 3/31	V													21,851
HAM	CUNNINGHAM DR	COLISEUM DR	MERCURY BLVD		11,213	3/13 - 3/14	V							9,728	3/30 - 3/31	V													9,728
HAM	FOX HILL RD	OLD BUCKROE RD	WOODLAND RD		13,707	3/20 - 3/21	V							14,766	3/22 - 3/23	V													14,766
HAM	FOX HILL RD	WOODLAND RD	MERCURY BLVD		26,797	3/20 - 3/21	V							27,426	3/22 - 3/23	V													27,426
HAM	HARRIS CREEK RD	FOX HILL RD	LITTLE BACK RIVER RD		3,462	4/16 - 4/17	V	2,950		C				3,268	3/22 - 3/23	V													3,268
HAM	HRC PARKWAY	NEWPORT NEWS CL	BIG BETHEL RD		23,961	1/1 - 12/31	V	23,269	1/1 - 12/31	V	23,303	1/1 - 12/31	V	23,845	1/1 - 12/31	V	23,786	1/1 - 12/31	V	23,213	1/1 - 12/31	V							23,213
HAM	HRC PARKWAY	BIG BETHEL RD	I-64		46,686	3/27 - 3/28	V							44,139	5/24 - 5/25	V				40,250			C						40,250
HAM	HRC PARKWAY	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		42,726	3/27 - 3/28	V							40,940	4/27 - 4/28	V													40,940
HAM	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	COLISEUM DR		33,109	3/27 - 3/28	V							31,574	4/27 - 4/28	V													31,574
HAM	HRC PARKWAY	COLISEUM DR	ARMISTEAD AVE		27,487	3/27 - 3/28	V							25,136	4/27 - 4/28	V													25,136
HAM	I-64	NEWPORT NEWS CL	HRC PARKWAY	EB	80,824	8/13 - 8/14	V							83,462	1/1 - 8/11	V				82,535	1/1 - 12/31	V							82,535
				WB	80,510	8/13 - 8/14	V							82,935	1/1 - 8/11	V				83,343	1/1 - 12/31	V							83,343
HAM	I-64	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	EB	74,000		E																						74,000
				WB	72,014	8/13 - 8/14	V																						72,014
HAM	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PK	MERCURY BLVD	EB	85,457	8/13 - 8/14	V																						85,457
				WB	85,375	8/13 - 8/14	V																						85,375
HAM	I-64	MERCURY BLVD	I-664	EB	76,909	8/6 - 8/7	V							81,002	1/1 - 8/11	V				86,773	1/1 - 12/31	V							86,773
				WB	76,361	8/6 - 8/7	V																						76,361
HAM	I-64	I-664	ARMISTEAD AVE	EB	60,916	7/30 - 7/31	V													60,623	1/1 - 12/31	V							60,623
				WB	62,023	7/30 - 7/31	V							56,973	1/1 - 8/11	V				56,882	1/1 - 12/31	V							56,882
HAM	I-64	ARMISTEAD AVE	RIP RAP RD	EB	51,785	8/6 - 8/7	V													47,452	1/1 - 12/31	V							47,452
				WB	52,253	7/30 - 7/31	V							52,648	1/1 - 8/11	V				52,740	1/1 - 12/31	V							52,740
HAM	I-64	RIP RAP RD	SETTLERS LANDING RD	EB	43,722	8/6 - 8/7	V							45,668	1/1 - 8/11	V				44,589	1/1 - 12/31	V							44,589
				WB	52,253	7/30 - 7/31	V							52,648	1/1 - 8/11	V				52,740	1/1 - 12/31	V							52,740
HAM	I-64	SETTLERS LANDING RD	MALLORY ST	EB	43,389	8/6 - 8/7	V																						43,389
				WB	47,328	8/6 - 8/7	V																						47,328
HAM	I-64/HRBT	MALLORY ST	NORFOLK CL	EB	46,070	1/1 - 12/31	T	44,853	1/1 - 12/31	T	39,835	1/1 - 12/31	T	46,899	1/1 - 12/31	T	47,561	1/1 - 12/31	T	45,616	1/1 - 12/31	T							45,616
				WB	44,200	1/1 - 12/31	T	43,223	1/1 - 12/31	T	44,026	1/1 - 12/31	T	45,167	1/1 - 12/31	T	44,905	1/1 - 12/31	T	44,483	1/1 - 12/31	T							44,483
HAM	I-664	NEWPORT NEWS CL	ABERDEEN RD	SB	40,717	7/23 - 7/24	V																						40,717
				NB	41,729	7/23 - 7/24	V																						41,729
HAM	I-664	ABERDEEN RD	POWER PLANT PKWY	SB	37,114	1/1 - 12/31	O																						37,114
				NB	37,118	1/1 - 12/31	O																						37,118
HAM	I-664	POWER PLANT PKWY	I-64	SB	44,656	7/30 - 7/31	V							49,229	6/14 - 6/15	V													49,229
				NB	45,440	7/30 - 7/31	V																						45,440
HAM	KECOUGHTAN RD	NEWPORT NEWS CL	POWHATAN PKWY		4,929	3/5 - 3/6	V							5,127	3/1 - 3/2	V													5,127
HAM	KECOUGHTAN RD	POWHATAN PKWY	LASALLE AVE		6,218	3/5 - 3/6	V							7,034	3/1 - 3/2	V													7,034
HAM	KECOUGHTAN RD	LASALLE AVE	VICTORIA BLVD		6,775	4/30	C							8,455	3/1 - 3/2	V													8,455
HAM	KECOUGHTAN RD	VICTORIA BLVD	SETTLERS LANDING RD		10,149	3/5 - 3/6	V							10,749	3/1 - 3/2	V													10,749
HAM	KING ST	PEMBROKE AVE	I-64 OVERPASS		7,863	3/26 - 3/28	V							7,870	5/25 - 5/26	V													7,870
HAM	KING ST	I-64 OVERPASS	RIP RAP RD		7,863	3/26 - 3/28	V							7,870	5/25 - 5/26	V													7,870
HAM	KING ST	RIP RAP RD	MERCURY BLVD		18,053	3/26 - 3/28	V							17,617	3/23 - 3/24	V													17,617
HAM	KING ST	MERCURY BLVD	OLD FOX HILL RD					23,201	12/3 - 12/4	V				24,907	3/23 - 3/24	V													24,907
HAM	KING ST	OLD FOX HILL RD	LITTLE BACK RIVER RD					17,517	12/3 - 12/4	V				18,663	3/23 - 3/24	V													18,663
HAM	KING ST	LITTLE BACK RIVER RD	LAMINGTON RD		7,785	8/20 - 8/21	V				6,775		C	6,669	3/23 - 3/24	V													6,669
HAM	KING ST	LAMINGTON RD	OLD BUCKINGHAM RD		7,785	8/20 - 8/21	V				6,775		C	6,669	3/23 - 3/24	V													6,669
HAM	KING ST	OLD BUCKINGHAM RD	LANGLEY AFB		7,785	8/20 - 8/21	V				6,775		C	6,669	3/23 - 3/24	V													6,669

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
HAM	LASALLE AVE	KECOUGHTAN RD	VICTORIA BLVD		5,340	3/27 - 3/28	V							5,517	4/19 - 4/21	V							5,517
HAM	LASALLE AVE	VICTORIA BLVD	SETTLERS LANDING RD		13,690	3/27 - 3/28	V							16,079	4/20 - 4/21	V							16,079
HAM	LASALLE AVE	SETTLERS LANDING RD	PEMBROKE AVE		15,620	3/27 - 3/28	V							17,048	4/20 - 4/21	V							17,048
HAM	LASALLE AVE	PEMBROKE AVE	ARMISTEAD AVE		20,068	4/3 - 4/4	V							21,141	5/25 - 5/26	V							21,141
HAM	LASALLE AVE	ARMISTEAD AVE	MERCURY BLVD		12,317	8/20 - 8/21	V							13,927	4/20 - 4/21	V							13,927
HAM	LASALLE AVE	MERCURY BLVD	LANGLEY GATE		9,607	8/20 - 8/21	V							10,539	4/20 - 4/21	V							10,539
HAM	LITTLE BACK RIVER RD	KING ST	ROCKWELL RD		12,314	5/23	C				11,945		C	13,198	3/23 - 3/24	V							13,198
HAM	LITTLE BACK RIVER RD	ROCKWELL RD	HARRIS CREEK RD		6,404	5/23	C				4,323		C	4,257	3/23 - 3/24	V							4,257
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	YORK CL	SEMPLE FARM RD		23,739	3/20 - 3/21	V							22,460	4/19 - 4/20	V							22,460
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	SEMPLE FARM RD	COMM SHEPARD BLVD (SOUTH)		26,073	3/20 - 3/21	V							25,422	6/1 - 6/2	V							25,422
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	COMM SHEPARD BLVD (SOUTH)	HRC PARKWAY		29,854	3/6 - 3/7	V							32,895	4/19 - 4/20	V							32,895
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	HRC PARKWAY	I-64		33,191	11/20 - 11/21	V							33,884	4/27 - 4/28	V							33,884
HAM	MALLORY ST	I-64	COUNTY ST		10,952	4/10 - 4/11	V							9,076	3/29 - 3/30	V							9,076
HAM	MALLORY ST	COUNTY ST	MERCURY BLVD		9,049	3/20 - 3/21	V							7,920	4/26 - 4/27	V							7,920
HAM	MALLORY ST	MERCURY BLVD	PEMBROKE AVE		6,103	4/2	C							6,467	3/16 - 3/17	V							6,467
HAM	MELLEN ST	MERCURY BLVD	MALLORY ST		2,341	3/17	C																2,341
HAM	MERCURY BLVD	NEWPORT NEWS CL	BIG BETHEL RD		48,479	1/1 - 12/31	V	48,518	1/1 - 12/31	V	50,203	1/1 - 12/31	V	50,327	1/1 - 12/31	V	50,468	1/1 - 12/31	V	50,911	1/1 - 12/31	V	50,911
HAM	MERCURY BLVD	BIG BETHEL RD	ABERDEEN RD		49,808	3/20 - 3/21	V							52,986	4/27 - 4/28	V							52,986
HAM	MERCURY BLVD	ABERDEEN RD	POWER PLANT PKWY		56,129	3/20 - 3/21	V							62,596	3/15 - 3/16	V							62,596
HAM	MERCURY BLVD	POWER PLANT PKWY	I-64		66,454	3/20 - 5/8	V							75,575	3/15 - 3/16	V							75,575
HAM	MERCURY BLVD	I-64	COLISEUM DR		60,068	5/7 - 5/8	V							65,831	3/15 - 3/16	V							65,831
HAM	MERCURY BLVD	COLISEUM DR	CUNNINGHAM DR		44,567	5/8 - 5/9	V							46,842	3/15 - 3/16	V							46,842
HAM	MERCURY BLVD	CUNNINGHAM DR	ARMISTEAD AVE		51,397	5/7 - 5/8	V							55,946	3/15 - 3/16	V							55,946
HAM	MERCURY BLVD	ARMISTEAD AVE	LASALLE AVE		51,254	3/20 - 3/21	V																51,254
HAM	MERCURY BLVD	LASALLE AVE	KING ST		59,349	3/20 - 3/21	V							63,994	3/15 - 3/16	V							63,994
HAM	MERCURY BLVD	KING ST	FOX HILL RD		28,517	3/19 - 3/20	V							30,311	3/15 - 3/16	V							30,311
HAM	MERCURY BLVD	FOX HILL RD	ANDREWS BLVD		28,517	3/19 - 3/20	V							30,311	3/15 - 3/16	V							30,311
HAM	MERCURY BLVD	ANDREWS BLVD	PEMBROKE AVE		17,745	3/19 - 3/20	V							19,182	3/16	V							19,182
HAM	MERCURY BLVD	PEMBROKE AVE	WOODLAND RD		10,280	4/23 - 4/25	V							11,185	3/15 - 3/16	V							11,185
HAM	MERCURY BLVD	WOODLAND RD	MALLORY ST		10,280	4/23 - 4/25	V				12,726		C	11,185	3/15 - 3/16	V							11,185
HAM	MERCURY BLVD	MALLORY ST	MELLEN ST/INGALLS RD		1,727	3/20 - 3/21	V							2,779	3/16 - 3/17	V							2,779
HAM	OLD BUCKROE RD	PEMBROKE AVE	FOX HILL RD		5,909	3/20 - 3/21	V							6,030	3/22 - 3/23	V							6,030
HAM	PEMBROKE AVE	NEWPORT NEWS CL	ABERDEEN RD		8,173	9/24 - 9/25	V							9,004	4/12 - 4/13	V							9,004
HAM	PEMBROKE AVE	ABERDEEN RD	POWHATAN PKWY		9,664	5/16	C							9,167	4/12 - 4/13	V							9,167
HAM	PEMBROKE AVE	POWHATAN PKWY	SETTLERS LANDING RD		12,771	5/16	C							10,156	4/12 - 4/13	V							10,156
HAM	PEMBROKE AVE	SETTLERS LANDING RD	LASALLE AVE		12,395	5/16	C							10,625	4/12 - 4/13	V							10,625
HAM	PEMBROKE AVE	LASALLE AVE	ARMISTEAD AVE		9,155	5/22 - 5/23	V							8,023	4/12 - 4/13	V							8,023
HAM	PEMBROKE AVE	ARMISTEAD AVE	KING ST		9,917	4/23 - 4/25	V							9,093	4/12 - 4/13	V							9,093
HAM	PEMBROKE AVE	KING ST	EATON ST		9,917	4/23 - 4/25	V							9,093	4/12 - 4/13	V							9,093
HAM	PEMBROKE AVE	EATON ST	BARRON ST		9,917	4/23 - 4/25	V							9,093	4/12 - 4/13	V							9,093
HAM	PEMBROKE AVE	BARRON ST	MERCURY BLVD		9,917	4/23 - 4/25	V							9,093	4/12 - 4/13	V							9,093
HAM	PEMBROKE AVE	MERCURY BLVD	WOODLAND RD		12,546	4/23 - 4/25	V							11,048	4/19 - 5/18	V							11,048
HAM	PEMBROKE AVE	WOODLAND RD	OLD BUCKROE RD		13,484	4/23 - 4/25	V							12,003	5/17 - 5/18	V							12,003
HAM	PEMBROKE AVE	OLD BUCKROE RD	MALLORY ST											3,279	4/13 - 4/14	V							3,279
HAM	POWER PLANT PKWY	I-664	BRIARFIELD RD		13,871	4/24 - 4/25	V							15,076	3/15 - 3/16	V							15,076
HAM	POWER PLANT PKWY	BRIARFIELD RD	PINE CHAPEL RD		21,804	3/27 - 3/28	V							24,412	3/15 - 3/16	V							24,412
HAM	POWER PLANT PKWY	PINE CHAPEL RD	MERCURY BLVD		15,926	3/27 - 3/28	V							17,281	3/2 - 3/3	V							17,281
HAM	POWHATAN PKWY	KECOUGHTAN RD	PEMBROKE AVE		10,191	4/24 - 4/25	V							10,108	3/2 - 3/3	V							10,108
HAM	POWHATAN PKWY	PEMBROKE AVE	I-664		24,479	4/24 - 4/25	V	20,876		C				21,923	3/2 - 3/3	V							21,923
HAM	QUEEN ST	BRIARFIELD RD	MICHIGAN DR		10,835	3/27 - 3/28	V							10,913	3/2 - 3/3	V							10,913
HAM	QUEEN ST	MICHIGAN DR	PEMBROKE AVE		10,348	3/27 - 3/28	V							10,476	3/2 - 3/3	V							10,476
HAM	RIP RAP RD	ARMISTEAD AVE	I-64		8,606	4/9 - 4/10	V							8,580	3/9 - 3/10	V							8,580
HAM	RIP RAP RD	I-64	KING ST		13,327	4/9 - 4/10	V							13,374	3/9 - 3/10	V							13,374
HAM	ROANOKE AVE	NEWPORT NEWS CL	MERCURY BLVD		4,376	4/2 - 4/3	V							4,287	10/25 - 10/26	V							4,287
HAM	SAUNDERS RD	NEWPORT NEWS CL	BIG BETHEL RD		9,925	5/16	C										9,764	11/7 - 11/9	V				9,764
HAM	SEMPLE FARM RD	BIG BETHEL RD	BELLGRADE DR					1,864		C				1,834	3/8 - 3/9	V							1,834

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
HAM	SEMPLE FARM RD	BELLGRADE DR	MAGRUDER BLVD/NEIL ARMSTRONG PKWY					1,864		C				1,834	3/8 - 3/9	V							1,834
HAM	SETTLERS LANDING RD	PEMBROKE AVE	LASALLE AVE					8,442		C													8,442
HAM	SETTLERS LANDING RD	LASALLE AVE	KECOUGHTAN RD																	10,000		E	10,000
HAM	SETTLERS LANDING RD	KECOUGHTAN RD	ARMISTEAD AVE		14,215	3/5 - 3/6	V							14,276	2/24 - 2/25	V							14,276
HAM	SETTLERS LANDING RD	ARMISTEAD AVE	EATON ST		11,837	5/21	C				13,433	1/0	C	12,388	2/24 - 2/25	V							12,388
HAM	SETTLERS LANDING RD	EATON ST	TYLER ST		13,990	5/21	C							16,630	2/24 - 2/25	V							16,630
HAM	SETTLERS LANDING RD	TYLER ST	I-64																	18,000		E	18,000
HAM	TODDS LA	NEWPORT NEWS CL	BIG BETHEL RD		20,466	4/9 - 4/10	V							18,866	3/30 - 3/31	V							18,866
HAM	TODDS LA	BIG BETHEL RD	ABERDEEN RD		15,412	3/12 - 3/13	V							19,681	3/30 - 3/31	V							19,681
HAM	TODDS LA	ABERDEEN RD	CUNNINGHAM DR		23,367	4/9 - 4/10	V							21,152	3/30 - 3/31	V							21,152
HAM	TODDS LA	CUNNINGHAM DR	MERCURY BLVD																	16,000		E	16,000
HAM	WOODLAND RD	I-64	COUNTY ST																	27,000		E	27,000
HAM	WOODLAND RD	COUNTY ST	MERCURY BLVD		19,756	4/10 - 4/25	V							20,494	3/16 - 3/17	V							20,494
HAM	WOODLAND RD	MERCURY BLVD	PEMBROKE AVE		14,199	4/10 - 4/11	V							14,773	3/16 - 3/17	V							14,773
HAM	WOODLAND RD	PEMBROKE AVE	FOX HILL RD		9,227	4/10 - 4/11	V							9,798	3/16 - 3/17	V							9,798
HAM	WYTHE CREEK RD	COMMANDER SHEPARD BLVD	POQUOSON CL		16,581	3/13 - 3/14	V							14,986	2/23 - 2/24	V							14,986
IW	BATTERY PARK RD	S CHURCH ST	NIKE PARK RD					10,983	4/2 - 4/3	V							10,612	1/31 - 2/2	V				10,612
IW	BATTERY PARK RD	NIKE PARK RD	COUNTRY WAY					3,668	4/15 - 4/16	V							3,818	2/8 - 2/9	V				3,818
IW	BENNS CHURCH BLVD	SUFFOLK CL	RIDDICK RD					11,096	4/1 - 4/2	V							11,603	2/7 - 2/8	V				11,603
IW	BENNS CHURCH BLVD	RIDDICK RD	ROUTE 10 & 32 (BREWERS NECK BLVD)					11,096	4/1 - 4/2	V							11,603	2/7 - 2/8	V				11,603
IW	BENNS CHURCH BLVD	ROUTE 10 & 32 (BREWERS NECK BLVD)	ECL SMITHFIELD (RTE 644)					26,112	4/1 - 4/2	V							25,746	2/7 - 2/8	V				25,746
IW	BENNS CHURCH BLVD	ECL SMITHFIELD (RTE 644)	CHURCH ST S					29,654	4/1 - 4/2	V							28,271	1/31 - 2/2	V				28,271
IW	BREWERS NECK BLVD	ROUTE 10 & 32 (BENN'S CHURCH)	RTE 670					25,202	4/1 - 4/2	V							25,459	2/7 - 2/8	V				25,459
IW	BREWERS NECK BLVD	RTE 670	ROUTE 17					25,202	4/1 - 4/2	V							25,459	2/7 - 2/8	V				25,459
IW	BUCKHORN DR	SUFFOLK CL	SUNSET DR (RTE 609)					452	3/18 - 3/19	V							487	2/21 - 2/23	V				487
IW	BUCKHORN DR	SUNSET DR (RTE 609)	SCL WINDSOR					484	3/18 - 3/19	V							511	2/21 - 2/23	V				511
IW	BUS RTE 10	NCL SMITHFIELD	JENKINS LANE					6,208	3/26 - 3/27	V							6,091	1/31 - 2/2	V				6,091
IW	BUS RTE 10	JENKINS LANE	RT 10 BYPASS					1,455	3/12 - 3/13	V							1,516	2/7 - 2/8	V				1,516
IW	BUS RTE 58/BUS RTE 258	FRANKLIN CL	JAMESTOWN LN (RTE 691)					6,352	3/25 - 3/26	V							6,883	2/28 - 3/1	V				6,883
IW	BUS RTE 58/BUS RTE 258	JAMESTOWN LN (RTE 691)	ROUTE 258					6,352	3/25 - 3/26	V							6,883	2/28 - 3/1	V				6,883
IW	BUS RTE 58	ROUTE 258	SUFFOLK CL					2,751	3/11 - 3/12	V							2,363	10/24 - 10/26	V				2,363
IW	CARROLLTON BLVD	SUFFOLK CL	WEST END CHUCKATUCK BRIDGE					15,829	4/1 - 4/2	V							16,617	2/7 - 2/8	V				16,617
IW	CARROLLTON BLVD	WEST END CHUCKATUCK BRIDGE	ROUTE 258					15,829	4/1 - 4/2	V							16,617	2/7 - 2/8	V				16,617
IW	CARROLLTON BLVD	ROUTE 258	SMITH'S NECK RD		31,093	3/28 - 12/31	V	30,100	3/28 - 12/31	V	31,246	1/1 - 12/31	V	31,815	1/1 - 12/31	V	31,593	1/1 - 12/31	V	32,079	1/1 - 12/31	V	32,079
IW	CARROLLTON BLVD/JAMES RIVER BR	SMITH'S NECK RD	NEWPORT NEWS CL		31,093	3/28 - 12/31	V	30,100	3/28 - 12/31	V	31,246	1/1 - 12/31	V	31,815	1/1 - 12/31	V	31,593	1/1 - 12/31	V	32,079	1/1 - 12/31	V	32,079
IW	CHURCH ST S	RTE 10 BYPASS	BATTERY PARK RD					15,423	4/2 - 4/3	V							13,956	1/31 - 2/2	V				13,956
IW	CHURCH ST S	BATTERY PARK RD	CYPRESS CREEK BRIDGE					12,547	4/2 - 4/3	V							12,512	1/31 - 2/2	V				12,512
IW	CHURCH ST S	CYPRESS CREEK BRIDGE	MAIN ST					12,576	4/2 - 4/3	V							12,392	1/31 - 2/2	V				12,392
IW	CHURCH ST N	MAIN ST	SMITHFIELD CL					6,224	3/26 - 3/27	V							6,089	1/31 - 2/2	V				6,089
IW	COURT ST	SCL WINDSOR/BUCKHORN DR	ROUTE 460					814	3/11 - 3/12	V							725	2/21 - 2/23	V				725
IW	MAIN ST	ROUTE 10 BYPASS	CHURCH ST					4,112	4/2 - 4/3	V							3,407	6/13 - 6/15	V				3,407
IW	NIKE PARK RD	BATTERY PARK RD	TITUS CREEK DR					9,999	4/2 - 4/3	V													9,999
IW	RESCUE RD	NEWPORT ST (RTE 1002)	SMITH'S NECK RD					1,050	3/19 - 3/20	V							1,009	2/8 - 2/9	V				1,009
IW	ROUTE 10 (OLD STAGE HWY)	BUS RTE 10	IW/SURRY CL					6,975	3/26 - 3/27	V							6,974	2/7 - 2/8	V				6,974
IW	ROUTE 10 BYPASS	CHURCH ST S	FAIRWAY DR					18,841	4/2 - 4/3	V							18,489	1/31 - 2/2	V				18,489
IW	ROUTE 10 BYPASS	FAIRWAY DR	MAIN ST					18,841	4/2 - 4/3	V							18,489	1/31 - 2/2	V				18,489
IW	ROUTE 10 BYPASS	MAIN ST	NCL SMITHFIELD					10,591	4/2 - 4/3	V							10,275	1/31 - 2/2	V				10,275
IW	ROUTE 10 BYPASS	NCL SMITHFIELD	BUS RTE 10					7,211	3/26 - 3/27	V							7,335	2/7 - 2/8	V				7,335
IW	ROUTE 258	SUFFOLK CL	UNION CAMP DR (RTE 656)					2,245	3/11 - 3/12	V							2,579	11/7 - 11/9	V				2,579
IW	ROUTE 258	UNION CAMP DR (RTE 656)	CARRSVILLE HWY (BUS RTE 58)					852	3/11 - 3/12	V							1,057	2/28 - 3/1	V				1,057
IW	ROUTE 258	CARRSVILLE HWY (BUS RTE 58)	BURDETTE RD (W RTE 619)					3,304	3/25 - 3/26	V							3,478	2/28 - 3/1	V				3,478
IW	ROUTE 258	BURDETTE RD (W RTE 619)	RIVER RUN TRAIL (W RTE 614)					3,304	3/25 - 3/26	V							3,478	2/28 - 3/1	V				3,478
IW	ROUTE 258	RIVER RUN TRAIL (W RTE 614)	BLACKWATER RD (RTE 603)					4,822	3/25 - 3/26	V							5,282	2/28 - 3/1	V				5,282
IW	ROUTE 258	BLACKWATER RD (RTE 603)	WCL WINDSOR					4,641	3/25 - 3/26	V							5,274	2/21 - 2/23	V				5,274
IW	ROUTE 258	WCL WINDSOR	ROUTE 460					4,641	3/25 - 3/26	V							5,274	2/21 - 2/23	V				5,274
IW	ROUTE 258	ROUTE 460	ECL WINDSOR					5,374	3/25 - 3/26	V							5,658	2/21 - 2/23	V				5,658

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
IW	ROUTE 258	ECL WINDSOR	COURT ST NORTH (RTE 610)					5,374	3/25 - 3/26	V							5,658	2/21 - 2/23	V				5,658
IW	ROUTE 258	COURT ST NORTH (RTE 610)	IRON MINE SPRINGS RD (RTE 605)					4,192	3/25 - 3/26	V							4,521	2/22 - 2/23	V				4,521
IW	ROUTE 258	IRON MINE SPRINGS RD (RTE 605)	CENTRAL HILL RD (W RTE 637)					4,192	3/25 - 3/26	V							4,521	2/22 - 2/23	V				4,521
IW	ROUTE 258	CENTRAL HILL RD (W RTE 637)	SCOTTS FACTORY RD (RTE 620)					4,540	3/25 - 3/26	V							5,001	2/22 - 2/23	V				5,001
IW	ROUTE 258	SCOTTS FACTORY RD (RTE 620)	WCL SMITHFIELD					8,785	3/25 - 3/26	V							9,794	1/31 - 2/2	V				9,794
IW	ROUTE 258/N MAIN ST	WCL SMITHFIELD	RTE 10 BYPASS					11,790	3/25 - 3/26	V							12,765	1/31 - 2/2	V				12,765
IW	ROUTE 460	SOUTHAMPTON CL	FIRETOWER RD (RTE 644)					9,279	4/15 - 4/16	V							10,032	3/8 - 3/9	V				10,032
IW	ROUTE 460	FIRETOWER RD (RTE 644)	WCL WINDSOR					9,279	4/15 - 4/16	V							10,032	3/8 - 3/9	V				10,032
IW	ROUTE 460	WCL WINDSOR	ROUTE 258					9,279	4/15 - 4/16	V							10,032	3/8 - 3/9	V				10,032
IW	ROUTE 460	ROUTE 258	COURT ST (RTE 610)					14,326	4/15 - 4/16	V							15,319	3/8 - 3/9	V				15,319
IW	ROUTE 460	COURT ST (RTE 610)	ECL WINDSOR					14,115	4/15 - 4/16	V							15,587	3/8 - 3/9	V				15,587
IW	ROUTE 460	ECL WINDSOR	SUFFOLK CL					14,115	4/15 - 4/16	V							15,587	3/8 - 3/9	V				15,587
IW	SMITH'S NECK RD	CARROLLTON BLVD	REYNOLDS DR					12,116	5/13 - 5/14	V							11,726	2/8 - 2/9	V				11,726
IW	SMITH'S NECK RD	REYNOLDS DR	TITUS CREEK DR					8,644	4/15 - 5/14	V							9,048	2/8 - 3/9	V				9,048
IW	SMITH'S NECK RD	TITUS CREEK DR	RESCUE RD					1,817	3/12 - 3/13	V							1,657	2/8 - 2/9	V				1,657
IW	TITUS CREEK DR	SMITH'S NECK RD	NIKE PARK RD					7,118	4/2 - 4/3	V							6,866	2/8 - 2/9	V				6,866
IW	TODD AVE/WARWICK ST	COUNTRY WAY	NEWPORT ST (RTE 1002)					1,175	3/19 - 3/20	V							1,009	2/8 - 2/9	V				1,009
JCC	BARHAMSVILLE RD	I-64	ROUTE 60		9,537	2/6 - 2/7	V							10,250	2/9 - 2/10	V							10,250
JCC	CENTERVILLE RD	JOHN TYLER HWY	MONTICELLO AVE																	4,000		E	4,000
JCC	CENTERVILLE RD	MONTICELLO AVE	NEWS RD		5,246	2/26 - 2/28	V							5,099	2/9 - 2/10	V							5,099
JCC	CENTERVILLE RD	NEWS RD	LONGHILL RD		8,986	2/26 - 2/28	V							9,547	2/9 - 2/10	V							9,547
JCC	CENTERVILLE RD	LONGHILL RD	RICHMOND RD		9,990	2/26 - 2/28	V							10,837	2/9 - 2/10	V							10,837
JCC	COLONIAL NATL HIST PKWY	JAMESTOWN/RTE 359	WILLIAMSBURG CL/RTE 199																	2,000		E	2,000
JCC	CROAKER RD	ROUTE 60	MAXTON LN (RTE 760)		9,150	2/26 - 2/28	V							9,802	2/2 - 2/3	V							9,802
JCC	CROAKER RD	MAXTON LN (RTE 760)	I-64		8,910	2/26 - 2/28	V							9,391	2/2 - 2/3	V							9,391
JCC	CROAKER RD	I-64	FENTON MILL RD		6,090	2/26 - 3/20	V							5,471	2/23 - 2/24	V							5,471
JCC	CROAKER RD	FENTON MILL RD	RIVERVIEW RD		3,227	2/26 - 2/28	V							3,165	2/2 - 2/3	V							3,165
JCC	DEPUE DR	LONGHILL RD (RTE 612)	IRONBOUND RD		9,405	2/27 - 2/28	V							11,039	2/10 - 2/11	V							11,039
JCC	I-64	NEW KENT CL	RTE 30	EB	23,183	1/1 - 12/31	V	23,496	1/1 - 12/31	V	24,684	1/1 - 12/31	V	25,818	1/1 - 12/31	V	25,970	1/1 - 12/31	V	25,948	1/1 - 12/31	V	25,948
				WB	22,537	1/1 - 12/31	V	22,957	1/1 - 12/31	V	24,098	1/1 - 12/31	V	24,985	1/1 - 12/31	V	25,065	1/1 - 12/31	V	25,314	1/1 - 12/31	V	25,314
JCC	I-64	RTE 30	CROAKER RD (RTE 607)	EB	26,497	1/1 - 12/31	V	26,692	1/1 - 12/31	V	27,743	1/1 - 12/31	V	29,033	1/1 - 12/31	V	29,179	1/1 - 12/31	V	29,045	1/1 - 12/31	V	29,045
				WB	25,719	1/1 - 12/31	V	26,033	1/1 - 12/31	V	27,162	1/1 - 12/31	V	28,205	1/1 - 12/31	V	28,251	1/1 - 12/31	V	28,166	1/1 - 12/31	V	28,166
JCC	I-64	CROAKER RD (RTE 607)	YORK CL	EB	30,146	1/1 - 12/31	V	30,366	1/1 - 12/31	V	31,700	1/1 - 12/31	V	33,025	1/1 - 12/31	V	33,283	1/1 - 12/31	V	33,214	1/1 - 12/31	V	33,214
				WB	28,921	1/1 - 12/31	V	29,156	1/1 - 12/31	V	30,434	1/1 - 12/31	V	31,595	1/1 - 12/31	V	31,790	1/1 - 12/31	V	31,828	1/1 - 12/31	V	31,828
JCC	I-64	YORK CL	NEWPORT NEWS CL	EB	42,810	8/28 - 8/29	V							40,778	1/1 - 8/11	V	39,007	3/31 - 12/31	V	39,662	1/1 - 12/31	V	39,662
				WB	40,993	9/4 - 9/5	V							43,544	1/1 - 8/11	V							43,544
JCC	IRONBOUND RD	STRAWBERRY PLAINS RD	MONTICELLO AVE		11,179	3/19 - 3/20	V							10,867	2/9 - 2/10	V							10,867
JCC	IRONBOUND RD	MONTICELLO AVE	WILLIAMSBURG CL		10,534	2/27 - 2/28	V							12,269	2/10 - 2/11	V							12,269
JCC	IRONBOUND RD/NEWS RD	JOHN TYLER HWY	MONTICELLO AVE		9,104	3/5	V							9,144	2/17 - 2/18	V							9,144
JCC	IRONBOUND RD/SANDY BAY RD	JAMESTOWN RD	JOHN TYLER HWY		6,898	3/5	V							10,801	2/17 - 2/18	V							10,801
JCC	JAMESTOWN RD	JAMES RIVER/FERRY	COLONIAL PARKWAY (RTE 359)		6,838	2/5 - 2/6	V							7,315	2/17 - 2/18	V							7,315
JCC	JAMESTOWN RD	COLONIAL PARKWAY (RTE 359)	SANDY BAY RD (RTE 681)		6,838	2/5 - 2/6	V							7,315	2/17 - 2/18	V							7,315
JCC	JAMESTOWN RD	SANDY BAY RD (RTE 681)	NECK-O-LAND RD		8,643	2/5 - 2/6	V							9,139	2/17 - 2/18	V							9,139
JCC	JAMESTOWN RD	NECK-O-LAND RD	WILLIAMSBURG CL		8,643	2/5 - 2/6	V							9,139	2/17 - 2/18	V							9,139
JCC	JOHN TYLER HWY	CHARLES CITY CL	MONTICELLO AVE		2,894	2/5 - 2/6	V							4,456	2/17 - 2/18	V							4,456
JCC	JOHN TYLER HWY	MONTICELLO AVE	CENTERVILLE RD (RTE 614)																	5,000		E	5,000
JCC	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)	IRONBOUND RD (RTE 615)		7,621	2/5 - 2/6	V							8,099	2/17 - 2/18	V							8,099
JCC	JOHN TYLER HWY	IRONBOUND RD (RTE 615)	STANLEY DR (RTE 712)		9,816	2/5 - 2/6	V							11,078	2/17 - 2/18	V							11,078
JCC	JOHN TYLER HWY	STANLEY DR (RTE 712)	ROUTE 199		16,004	2/5 - 2/6	V							18,245	2/17 - 2/18	V							18,245
JCC	LONGHILL RD	CENTERVILLE RD (RTE 614)	OLDE TOWNE RD (RTE 658)		7,288	2/26 - 2/28	V							7,943	2/10 - 2/11	V							7,943
JCC	LONGHILL RD	OLDE TOWNE RD (RTE 658)	ROUTE 199		16,518	2/26 - 2/28	V							16,878	2/10 - 2/11	V							16,878
JCC	LONGHILL RD	ROUTE 199	DEPUE DR																	18,000		E	18,000
JCC	MERRIMAC TRL	NEWPORT NEWS CL @ I-64	YORK CL (SOUTH OF GROVE INT)		10,828	2/20 - 2/21	V							11,600	2/17 - 2/18	V							11,600
JCC	MERRIMAC TRL	YORK CL @ ROUTE 199	PENNIMAN RD (YORK CL)											16,458	2/17 - 2/18	V							16,458
JCC	MONTICELLO AVE	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)																	6,000		E	6,000
JCC	MONTICELLO AVE	CENTERVILLE RD (RTE 614)	NEWS RD		6,424	2/13 - 2/14	V							12,433	2/17 - 2/18	V							12,433

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
JCC	MONTICELLO AVE	NEWS RD	ROUTE 199		39,564	2/19 - 2/21	V							38,707	2/24 - 2/25	V							38,707
JCC	MONTICELLO AVE	ROUTE 199	IRONBOUND RD (RTE 615)		22,769	2/19 - 2/21	V							34,428	3/15 - 3/16	V							34,428
JCC	OLD STAGE RD	NEW KENT CL	BARNES RD (RTE 601 S)		9,869	2/6 - 2/7	V							10,220	2/23 - 2/24	V							10,220
JCC	OLD STAGE RD	BARNES RD (RTE 601 S)	I-64		9,869	2/6 - 2/7	V							10,220	2/23 - 2/24	V							10,220
JCC	OLDE TOWNE RD	LONGHILL RD	RICHMOND RD		8,113	3/5	V							7,957	2/10 - 2/11	V							7,957
JCC	POCAHONTAS TRL	WILLIAMSBURG CL	YORK CL @ 199		8,386	2/5 - 2/6	V							9,053	3/15 - 3/16	V							9,053
JCC	POCAHONTAS TRL	YORK CL	BASF RD/ROUTE 60 RELOCATION		8,841	2/5 - 3/5	V							10,247	2/17 - 2/18	V							10,247
JCC	POCAHONTAS TRL	BASF RD/ROUTE 60 RELOCATION	NEWPORT NEWS CL		11,188	4/24 - 4/25	V							12,451	5/11 - 5/12	V							12,451
JCC	RICHMOND RD	ROUTE 199	OLDE TOWNE RD (RTE 658)		13,526	2/6 - 2/7	V							12,870	2/2 - 2/3	V							12,870
JCC	RICHMOND RD	OLDE TOWNE RD (RTE 658)	WILLIAMSBURG CL											22,330	7/12 - 7/13	V							22,330
JCC	ROCHAMBEAU DR	ROUTE 60	0.7 MI EAST OF ASHINGTON WAY		8,092	2/20 - 2/21	V							9,135	2/10 - 2/11	V							9,135
JCC	ROCHAMBEAU DR	0.7 MI EAST OF ASHINGTON WAY	CROAKER RD (RTE 607)		8,092	2/20 - 2/21	V							9,135	2/10 - 2/11	V							9,135
JCC	ROUTE 199	YORK CL	RICHMOND RD (RTE 60)	EB	13,384	7/10 - 7/11	V							12,210	2/2 - 2/3	V							12,210
				WB	13,602	7/10 - 7/11	V							12,448	2/2 - 2/3	V							12,448
JCC	ROUTE 199	RICHMOND RD (RTE 60)	LONGHILL RD (RTE 612)	EB	13,393	3/26 - 3/27	V							13,102	2/2 - 2/3	V							13,102
				WB	12,823	3/26 - 3/27	V							12,630	2/2 - 2/3	V							12,630
JCC	ROUTE 199	LONGHILL RD (RTE 612)	MONTICELLO AVE (RTE 321)	EB	15,529	3/19 - 3/20	V							15,041	2/2 - 2/3	V							15,041
				WB	15,223	3/19 - 3/20	V							14,988	2/2 - 2/3	V							14,988
JCC	ROUTE 199	MONTICELLO AVE (RTE 321)	JOHN TYLER HWY (RTE 5)	EB	15,862	3/26 - 3/27	V							14,264	2/2 - 2/3	V							14,264
				WB	15,334	3/26 - 3/27	V							14,602	2/2 - 2/3	V							14,602
JCC	ROUTE 199	JOHN TYLER HWY (RTE 5)	WILLIAMSBURG CL		35,623	2/19 - 2/21	V							36,257	2/2 - 2/3	V							36,257
JCC	ROUTE 199	WILLIAMSBURG CL	HENRY ST/COLONIAL PKWY		33,843	2/20 - 2/21	V							33,813	2/2 - 2/3	V							33,813
JCC	ROUTE 199	HENRY ST/COLONIAL PKWY	MOUNTS BAY RD/QUARTERPATH RD		34,702	2/20 - 2/21	V							34,512	2/2 - 2/3	V							34,512
JCC	ROUTE 199	MOUNTS BAY RD/QUARTERPATH RD	RTE 60/RTE 143/YORK CL		33,119	3/5	V							32,267	2/2 - 2/3	V							32,267
JCC	ROUTE 60	NEW KENT CL	ROUTE 30		5,831	2/6 - 2/7	V							5,795	2/3 - 2/4	V							5,795
JCC	ROUTE 60	ROUTE 30	CROAKER RD (RTE 607)		14,432	2/6 - 2/7	V							15,041	2/3 - 2/4	V							15,041
JCC	ROUTE 60	CROAKER RD (RTE 607)	LIGHTFOOT RD (RTE 646)		19,841	2/6 - 2/21	V							21,746	2/2 - 3/16	V							21,746
JCC	ROUTE 60	LIGHTFOOT RD (RTE 646)	CENTERVILLE RD (RTE 614)		19,841	2/6 - 2/21	V							21,746	2/2 - 3/16	V							21,746
JCC	ROUTE 60	CENTERVILLE RD (RTE 614)	ROUTE 199		22,023	2/6 - 2/7	V							23,128	2/2 - 2/3	V							23,128
JCC	STRAWBERRY PLAINS RD	JOHN TYLER HWY/ROUTE 199	IRONBOUND RD		8,593	2/27 - 2/28	V							9,813	2/23 - 2/24	V							9,813
NN	23RD/25TH CONNECTOR	HUNTINGTON AVE	JEFFERSON AVE		2,503	5/22 - 5/23	V							2,145	11/15 - 11/16	V							2,145
NN	25TH ST	HUNTINGTON AVE	WARWICK BLVD		2,371		C	2,440		C	2,558		C	1,914		C	1,936		C	2,810		C	2,810
NN	25TH ST	JEFFERSON AVE	26TH ST		3,269		C	3,562		C	3,476		C	3,790		C	2,414		C	2,194		C	2,194
NN	25TH ST	26TH ST	HAMPTON CL		6,777		C	6,645		C				4,231		C	4,020		C	5,416		C	5,416
NN	26TH ST	25TH ST	ROANOKE AVE		2,491		C				2,357		C	1,864		C	1,524		C	844		C	844
NN	26TH ST	ROANOKE AVE	JEFFERSON AVE		3,417		C	3,405		C	3,488		C	3,147		C	2,779		C	2,627		C	2,627
NN	26TH ST	JEFFERSON AVE	WARWICK BLVD		3,347		C	4,530		C	3,951		C	3,075		C	2,461		C	3,058		C	3,058
NN	26TH ST	WARWICK BLVD	HUNTINGTON AVE		3,347		C	4,530		C	3,951		C	3,075		C	2,461		C	3,058		C	3,058
NN	39TH ST	HUNTINGTON AVE	MADISON AVE		4,881		C	5,229		C	4,482		C	4,625		C	4,061		C	5,109		C	5,109
NN	39TH ST	MADISON AVE	HAMPTON CL		8,714		C	7,027		C	8,139		C	7,033		C	7,406		C	6,641		C	6,641
NN	BLAND BLVD	WARWICK BLVD	I-64		27,482		C	32,343		C	30,303		C	32,410		C	32,297		C	29,669		C	29,669
NN	BLAND BLVD	I-64	JEFFERSON AVE		27,482		C	32,343		C	30,303		C	32,410		C	32,297		C	29,669		C	29,669
NN	BLAND BLVD	JEFFERSON AVE	McMANUS BLVD		15,082		C	15,685		C	21,039		C	23,353		C	14,457		C	13,547		C	13,547
NN	BRIARFIELD RD	JEFFERSON AVE	HAMPTON CL		7,717		C	7,998		C	8,179		C	7,770		C	8,206		C	7,329		C	7,329
NN	BUXTON AVE	HAMPTON CL	25TH ST		15,408		C	15,417		C	13,915		C	11,122		C	10,641		C	11,186		C	11,186
NN	CENTER AVE	WARWICK BLVD	JEFFERSON AVE		3,904		C	3,809		C	4,392		C	4,054		C	3,906		C	4,908		C	4,908
NN	CHESTNUT AVE	39TH ST	44TH ST		8,466		C	6,571		C	6,610		C	6,890		C	6,005		C	6,088		C	6,088
NN	CHESTNUT AVE	44TH ST	BRIARFIELD RD		8,466		C	6,571		C	6,610		C	6,890		C	6,005		C	6,088		C	6,088
NN	CHESTNUT AVE	BRIARFIELD RD	HAMPTON CL		8,141		C	6,673		C	8,525		C	4,733		C	7,922		C	6,706		C	6,706
NN	CITY CENTER BLVD	WARWICK BLVD	JEFFERSON AVE								11,618		C	12,728		C	15,562		C	18,335		C	18,335
NN	DENBIGH BLVD	LUCAS CREEK RD	WARWICK BLVD		20,787		C	16,527		C	11,396		C	8,310		C	16,020		C	15,991		C	15,991
NN	DENBIGH BLVD	WARWICK BLVD	JEFFERSON AVE		31,650	5/14 - 5/15	V	30,782		C	28,937		C	29,311		C	27,774		C	28,407		C	28,407
NN	DENBIGH BLVD	JEFFERSON AVE	YORK CL		24,919		C	25,077		C	24,616		C	21,147		C	24,558		C	29,759		C	29,759
NN	DILIGENCE DR	THIMBLE SHOALS BLVD	J CLYDE MORRIS BLVD		24,051		C	24,325		C	25,006		C	24,969		C	23,651		C	22,361		C	22,361
NN	FORT EUSTIS BLVD	WARWICK BLVD	I-64		34,394		C	36,231		C	33,932		C	31,170		C	27,232		C	31,526		C	31,526
NN	FORT EUSTIS BLVD	I-64	JEFFERSON AVE											26,123	5/25 - 5/26	V							26,123

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Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NN	FORT EUSTIS BLVD	JEFFERSON AVE	.54 MILES EAST OF RTE 143		17,203	4/18 - 12/31	V	16,749	1/1 - 12/31	V	17,459	1/1 - 12/31	V	18,504	1/1 - 12/31	V	17,717		C	18,516		C	18,516
NN	FORT EUSTIS BLVD	.54 MILES EAST OF RTE 143	YORK CL		17,203	4/18 - 12/31	V	16,749	1/1 - 12/31	V	17,459	1/1 - 12/31	V	18,504	1/1 - 12/31	V	17,717		C	18,516		C	18,516
NN	HRC PARKWAY	HARPERSVILLE RD	HAMPTON CL		23,961	1/1 - 12/31	V	23,269	1/1 - 12/31	V	23,303	1/1 - 12/31	V	23,845	1/1 - 12/31	V	23,786		C	23,213		C	23,213
NN	HARPERSVILLE RD	J CLYDE MORRIS BLVD	SAUNDERS RD		11,741		C	12,321		C	11,356		C	11,862		C	10,610		C	12,471		C	12,471
NN	HARPERSVILLE RD	SAUNDERS RD	HRC PARKWAY		11,225		C	11,530		C	13,061		C	11,068		C	9,464		C	8,868		C	8,868
NN	HARPERSVILLE RD	HRC PARKWAY	JEFFERSON AVE		19,402		C	20,497		C	22,750		C	25,198		C	20,361		C	19,792		C	19,792
NN	HARPERSVILLE RD	JEFFERSON AVE	WARWICK BLVD		13,946		C	14,001		C				12,379		C	9,796		C	12,119		C	12,119
NN	HUNTINGTON AVE	71ST ST	39TH ST		11,633		C	11,018		C	11,399		C	10,657		C	12,699		C	9,724		C	9,724
NN	HUNTINGTON AVE	39TH ST	26TH ST		7,088		C	7,322		C	6,749		C	6,773		C	6,750		C	6,069		C	6,069
NN	HUNTINGTON AVE	26TH ST	23RD ST		7,088		C	7,322		C	6,749		C	6,773		C	6,750		C	6,069		C	6,069
NN	I-64	JAMES CITY CL	RTE 143 (NORTH)	EB	42,810	8/28 - 8/29	V							40,778	1/1 - 8/11	V	39,007	3/31 - 12/31	V	39,662	1/1 - 12/31	V	39,662
				WB	40,993	9/4 - 9/5	V							43,544	1/1 - 8/11	V							43,544
NN	I-64	RTE 143 (NORTH)	YORKTOWN RD	EB	42,950	8/28 - 8/29	V							38,846	1/1 - 8/11	V							38,846
				WB	41,857	8/28 - 8/29	V							39,459	1/1 - 8/11	V							39,459
NN	I-64	YORKTOWN RD	FORT EUSTIS BLVD	EB	45,951	8/28 - 8/29	V							41,492	1/1 - 8/11	V							41,492
				WB	45,161	8/28 - 8/29	V							43,332	1/1 - 8/11	V							43,332
NN	I-64	FORT EUSTIS BLVD	JEFFERSON AVE	EB	53,460	8/20 - 8/21	V							48,687	1/1 - 8/11	V							48,687
				WB	48,531	8/28 - 8/29	V							46,610	1/1 - 8/11	V							46,610
NN	I-64	JEFFERSON AVE	OYSTER POINT RD	EB	61,123	8/20 - 8/21	V							64,810	8/16 - 8/17	V							64,810
				WB										66,292	8/16 - 8/17	V							66,292
NN	I-64	OYSTER POINT RD	J C MORRIS BLVD	EB	66,889	1/1 - 12/31	V	66,296	1/1 - 12/31	V	68,468	1/1 - 12/31	V	70,430	1/1 - 12/31	V	70,042	1/1 - 12/31	V	71,513	1/1 - 12/31	V	71,513
				WB	64,969	1/1 - 12/31	V	64,887	1/1 - 12/31	V	67,035	1/1 - 12/31	V	68,564	1/1 - 12/31	V	68,149	1/1 - 12/31	V	69,758	1/1 - 12/31	V	69,758
NN	I-64	J C MORRIS BLVD	HAMPTON CL	EB	80,824	8/13 - 8/14	V							83,462	1/1 - 8/11	V	84,077	3/31 - 12/31	V	82,535	1/1 - 12/31	V	82,535
				WB	80,510	8/13 - 8/14	V							82,935	1/1 - 8/11	V	84,131	3/31 - 12/31	V	83,343	1/1 - 12/31	V	83,343
NN	I-664/MMMBT	SUFFOLK CL	TERMINAL AVE	SB	31,911	1/1 - 12/31	T	31,826	1/1 - 12/31	T	33,073	1/1 - 12/31	T	33,713	1/1 - 12/31	T	34,870	1/1 - 12/31	T	36,560	1/1 - 12/31	T	36,560
				NB	33,056	1/1 - 12/31	T	32,844	1/1 - 12/31	T	33,891	1/1 - 12/31	T	34,800	1/1 - 12/31	T	36,442	1/1 - 12/31	T	37,479	1/1 - 12/31	T	37,479
NN	I-664	TERMINAL AVE	23RD ST	SB	28,000		E																28,000
				NB	36,892	7/23 - 7/24	V																36,892
NN	I-664	23RD ST	CHESTNUT AVE	SB	37,472	7/23 - 7/24	V																37,472
				NB	38,506	7/23 - 7/24	V																38,506
NN	I-664	CHESTNUT AVE	HAMPTON CL	SB	40,717	7/23 - 7/24	V																40,717
				NB	41,729	7/23 - 7/24	V																41,729
NN	J CLYDE MORRIS BLVD	WARWICK BLVD	JEFFERSON AVE		38,476	6/5 - 6/6	V	34,442		C	34,775		C	30,835		C	35,631		C	28,350		C	28,350
NN	J CLYDE MORRIS BLVD	JEFFERSON AVE	THIMBLE SHOALS BLVD		41,300	5/7 - 5/8	V							42,511	5/24 - 5/25	V							42,511
NN	J CLYDE MORRIS BLVD	THIMBLE SHOALS BLVD	I-64		31,825		C	40,645		C	41,527		C	41,162		C	34,561		C	32,592		C	32,592
NN	J CLYDE MORRIS BLVD	I-64	HARPERSVILLE RD		42,979		C	39,497		C	42,892		C	42,323		C				33,401		C	33,401
NN	J CLYDE MORRIS BLVD	HARPERSVILLE RD	YORK CL		36,007		C	36,956		C	30,737		C	29,546		C	29,182		C	29,146		C	29,146
NN	JEFFERSON AVE	JAMES CITY CL	YORKTOWN RD		13,478		C	13,607		C	15,560		C	14,792		C	20,161		C	27,977		C	27,977
NN	JEFFERSON AVE	YORKTOWN RD	FORT EUSTIS BLVD		11,949		C	10,155		C	9,511		C	15,144		C	16,382		C	13,364		C	13,364
NN	JEFFERSON AVE	FORT EUSTIS BLVD	FUTURE ATKINSON BLVD		29,415		C	28,395		C	34,477		C				35,690		C	34,146		C	34,146
NN	JEFFERSON AVE	FUTURE ATKINSON BLVD	DENBIGH BLVD		34,308	1/1 - 12/31	V	33,821	1/1 - 12/31	V	35,361	1/1 - 12/31	V	39,193	1/1 - 12/31	V	38,841		C	34,094		C	34,094
NN	JEFFERSON AVE	DENBIGH BLVD	BLAND BLVD								46,194		C	60,601		C	56,188		C	51,629		C	51,629
NN	JEFFERSON AVE	BLAND BLVD	I-64		81,507	6/19 - 6/20	V							85,047	10/4 - 10/5	V							85,047
NN	JEFFERSON AVE	I-64	OYSTER POINT RD		58,795		C	56,888		C	47,494		C	54,376		C	45,529		C				45,529
NN	JEFFERSON AVE	OYSTER POINT RD	MUELLER LA		52,265	5/7 - 5/9	V	50,892		C				54,093	6/7 - 6/8	V	50,649		C	52,474		C	52,474
NN	JEFFERSON AVE	MUELLER LA	CITY CENTER BLVD		52,265	5/7 - 5/9	V	50,892		C				54,093	6/7 - 6/8	V	50,649		C	52,474		C	52,474
NN	JEFFERSON AVE	CITY CENTER BLVD	J CLYDE MORRIS BLVD					36,753		C	36,393		C				44,917		C	38,157		C	38,157
NN	JEFFERSON AVE	J CLYDE MORRIS BLVD	HARPERSVILLE RD					44,722		C	47,184		C				37,587		C	33,637		C	33,637
NN	JEFFERSON AVE	HARPERSVILLE RD	MAIN ST		34,775		C	34,973		C	34,224		C	38,994		C	30,224		C	47,487		C	47,487
NN	JEFFERSON AVE	MAIN ST	CENTER AVE		40,520		C	40,611		C	40,458		C	41,589		C	32,051		C	40,848		C	40,848
NN	JEFFERSON AVE	CENTER AVE	MERCURY BLVD		47,737		C	41,322		C				38,673		C	37,151		C	34,999		C	34,999
NN	JEFFERSON AVE	MERCURY BLVD	BRIARFIELD RD		37,386		C	37,125		C	36,994		C	30,134		C	24,608		C	25,840		C	25,840
NN	JEFFERSON AVE	BRIARFIELD RD	41ST ST		29,973		C	29,539		C	27,602		C	23,371		C	20,114		C	21,282		C	21,282
NN	JEFFERSON AVE	41ST ST	35TH ST		7,893		C	8,218		C	8,775		C	9,903		C	10,941		C	10,088		C	10,088
NN	JEFFERSON AVE	35TH ST	25TH ST		7,893		C	8,218		C	8,775		C	9,903		C	10,941		C	10,088		C	10,088
NN	MAIN ST	WARWICK BLVD	JEFFERSON AVE		13,247		C	12,893		C				11,463		C	12,968		C	9,188		C	9,188

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NN	MAIN ST	JEFFERSON AVE	HAMPTON CL		15,299		C	15,404		C				12,342		C	12,539		C	14,121		C	14,121
NN	MCMANUS BLVD/SIEMENS WAY	DENBIGH BLVD	BLAND BLVD		13,189		C	13,296		C	13,128		C	14,379		C	15,644		C				15,644
NN	MERCURY BLVD/JAMES RIVER BR	ISLE OF WIGHT CL	RIVER RD		31,093	3/28 - 12/31	V	30,100	3/28 - 12/31	V	31,246	1/1 - 12/31	V	31,815	1/1 - 12/31	V	31,593		C	32,079		C	32,079
NN	MERCURY BLVD	RIVER RD	WARWICK BLVD		25,195		C	30,205		C	33,505		C	31,100		C	32,989		C	34,353		C	34,353
NN	MERCURY BLVD	WARWICK BLVD	JEFFERSON AVE		40,641		C	40,373		C	42,019		C	39,741		C	42,295		C				42,295
NN	MERCURY BLVD	JEFFERSON AVE	HAMPTON CL		43,859		C	43,939		C	42,499		C	36,226		C	39,974		C				39,974
NN	OYSTER POINT RD	WARWICK BLVD	JEFFERSON AVE		35,694		C	42,303		C	40,482		C	36,322		C	36,037		C	28,865		C	28,865
NN	OYSTER POINT RD	JEFFERSON AVE	CANON BLVD		44,098		C	43,028		C	43,836		C	46,017		C				44,905		C	44,905
NN	OYSTER POINT RD	CANON BLVD	I-64		51,023	5/8 - 5/9	V							53,082	10/4 -11/3	V							53,082
NN	RICHNECK RD	DENBIGH BLVD	JEFFERSON AVE		3,901		C	3,947		C	3,893		C	3,621		C	4,261		C	3,888		C	3,888
NN	RICHNECK RD	JEFFERSON AVE	OLD YORK CL		7,113		C	8,849		C	8,190		C	8,704		C	7,837		C	5,873		C	5,873
NN	RICHNECK RD	OLD YORK CL	FORT EUSTIS BLVD		1,104	7/16 - 7/17	V							1,422	6/29 - 6/30	V							1,422
NN	ROANOKE AVE	I-664	43RD ST		3,181		C	4,054		C	3,288		C	3,301		C	3,611		C	4,994		C	4,994
NN	ROANOKE AVE	43RD ST	BRIARFIELD RD		3,181		C	4,054		C	3,288		C	3,301		C	3,611		C	4,994		C	4,994
NN	ROANOKE AVE	BRIARFIELD RD	HAMPTON CL		4,460		C	3,221		C	3,374		C	3,923		C	4,311		C	3,558		C	3,558
NN	SAUNDERS RD	HARPERSVILLE RD	HAMPTON CL		8,948		C	9,542		C	7,496		C	8,127		C	7,783		C	9,135		C	9,135
NN	SHELLABARGER DR	FORT EUSTIS	WARWICK BLVD		12,480		C				12,698		C	10,094		C	9,268		C	8,139		C	8,139
NN	THIMBLE SHOALS BLVD	JEFFERSON AVE	DILIGENCE DR		15,469		C	16,409		C	16,213		C	14,054		C	15,378		C	13,414		C	13,414
NN	THIMBLE SHOALS BLVD	DILIGENCE DR	J CLYDE MORRIS BLVD		12,222		C	12,372		C	8,416		C	8,732		C	7,746		C	6,771		C	6,771
NN	VICTORY BLVD	I-64	YORK CL		49,790	5/8 - 5/9	V							51,253	6/7 - 6/8	V	53,015		C				53,015
NN	WARWICK BLVD	JAMES CITY CL	YORKTOWN RD		10,179		C	12,532		C	12,990		C	9,261		C	11,846		C	16,480		C	16,480
NN	WARWICK BLVD	YORKTOWN RD	FORT EUSTIS BLVD		15,800		C	15,144		C	15,206		C	18,188		C	19,528		C	18,517		C	18,517
NN	WARWICK BLVD	FORT EUSTIS BLVD	SNIDOW BLVD		29,502	4/24 - 4/25	V	30,645		C	38,462		C	37,034		C	26,140		C	24,657		C	24,657
NN	WARWICK BLVD	SNIDOW BLVD	DENBIGH BLVD		32,269		C	37,845		C	33,346		C	32,882		C	32,308		C	37,943		C	37,943
NN	WARWICK BLVD	DENBIGH BLVD	BLAND BLVD		31,789		C	42,519		C	40,568		C	43,612		C	43,513		C				43,513
NN	WARWICK BLVD	BLAND BLVD	OYSTER POINT RD		37,380	4/24 - 4/25	V	40,543		C				44,774		C	41,837		C	39,965		C	39,965
NN	WARWICK BLVD	OYSTER POINT RD	MAXWELL LN		16,645		C	31,733		C	24,875		C	22,462		C	24,770		C	28,686		C	28,686
NN	WARWICK BLVD	MAXWELL LN	DEEP CREEK RD		29,018		C	42,305		C	42,407		C	40,778		C	34,540		C				34,540
NN	WARWICK BLVD	DEEP CREEK RD	J CLYDE MORRIS BLVD		32,419		C	30,276		C	27,806		C	39,699		C	28,104		C	29,565		C	29,565
NN	WARWICK BLVD	J CLYDE MORRIS BLVD	HARPERSVILLE RD		25,102		C	29,448		C	28,520		C	32,815		C	30,148		C	29,331		C	29,331
NN	WARWICK BLVD	HARPERSVILLE RD	MAIN ST		23,798		C	24,853		C	28,620		C	32,529		C	29,770		C	26,284		C	26,284
NN	WARWICK BLVD	MAIN ST	CENTER AVE		24,259		C	25,344		C				26,773		C	29,629		C	24,864		C	24,864
NN	WARWICK BLVD	CENTER AVE	MERCURY BLVD		22,485		C	26,012		C	25,407		C	25,506		C	24,650		C	22,543		C	22,543
NN	WARWICK BLVD	MERCURY BLVD	HUNTINGTON AVE		32,632		C	32,914		C	32,768		C	25,201		C	24,952		C	22,101		C	22,101
NN	WARWICK BLVD	23RD ST	39TH ST		3,476		C	3,976		C	2,776		C	3,742		C	4,111		C	3,602		C	3,602
NN	WARWICK BLVD	39TH ST	HUNTINGTON AVE		12,330		C	12,877		C	14,462		C	12,817		C	13,285		C	11,067		C	11,067
NN	YORKTOWN RD	WARWICK BLVD	I-64		5,249		C	6,212		C	6,145		C				6,635		C				6,635
NN	YORKTOWN RD	I-64	JEFFERSON AVE		11,882	5/14 - 5/15	V							11,320	5/24 - 5/25	V							11,320
NN	YORKTOWN RD	JEFFERSON AVE	CRAWFORD RD		12,443		C	12,619		C	11,672		C	10,438		C	11,763		C	11,055		C	11,055
NN	YORKTOWN RD	CRAWFORD RD	YORK CL		9,749	1/1 - 12/31	V	9,698	1/1 - 12/31	V	9,839	1/1 - 12/31	V	9,533	1/1 - 12/31	V	9,337		C	9,480		C	9,480
NOR	21ST ST	HAMPTON BLVD	COLLEY AVE								7,211	5/20 - 5/21	V										7,211
NOR	21ST ST	COLLEY AVE	LLEWELLYN ST								13,346	6/9 - 6/10	V							12,513	6/12 - 6/13	V	12,513
NOR	21ST ST	LLEWELLYN ST	MONTICELLO AVE								10,119	5/20 - 5/21	V							9,479	5/23 - 5/24	V	9,479
NOR	26TH ST	HAMPTON BLVD	COLLEY AVE								4,804	6/16 - 6/17	V							4,415	6/6 - 6/7	V	4,415
NOR	26TH ST	COLLEY AVE	LLEWELLYN AVE								10,690	6/16 - 6/17	V										10,690
NOR	26TH ST	LLEWELLYN AVE	MONTICELLO AVE								11,226	6/16 - 6/17	V										11,226
NOR	26TH ST	MONTICELLO AVE	CHURCH ST		9,443	12/17 - 12/18	V				11,245	9/16 - 9/17	V							10,901	6/6 - 6/7	V	10,901
NOR	26TH ST	CHURCH ST	27TH ST		8,744	12/17 - 12/18	V				9,306	6/16 - 6/17	V										9,306
NOR	27TH ST	HAMPTON BLVD	COLLEY AVE								10,481	9/16 - 9/17	V							9,990	6/6 - 6/7	V	9,990
NOR	27TH ST	COLLEY AVE	LLEWELLYN AVE								10,481	9/16 - 9/17	V							9,990	6/6 - 6/7	V	9,990
NOR	27TH ST	LLEWELLYN AVE	MONTICELLO AVE								10,823	6/16 - 6/17	V							10,768	6/6 - 6/7	V	10,768
NOR	27TH ST	MONTICELLO AVE	CHURCH ST								10,823	6/16 - 6/17	V							10,768	6/6 - 6/7	V	10,768
NOR	27TH ST	CHURCH ST	26TH ST								10,823	6/16 - 6/17	V							10,768	6/6 - 6/7	V	10,768
NOR	38TH ST	HAMPTON BLVD	COLLEY AVE								7,134	6/17 - 6/18	V										7,134
NOR	38TH ST	COLLEY AVE	LLEWELLYN AVE								10,798	6/17 - 6/18	V							9,264	5/9 - 5/10	V	9,264
NOR	38TH ST	LLEWELLYN AVE	GRANBY ST								5,117	6/17 - 6/18	V							4,563	5/9 - 5/10	V	4,563

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NOR	4TH VIEW ST	I-64	OCEAN VIEW AVE								13,316	4/21 - 4/22	V							13,257	5/9 - 5/10	V	13,257
NOR	ADMIRAL TAUSSIG BLVD	HAMPTON BLVD	I-564								27,291	10/21 - 10/22	V							30,538	10/9 - 10/11	V	30,538
NOR	AZALEA GARDEN RD	VA BEACH BLVD	PRINCESS ANNE RD								10,315	3/17 - 3/18	V							12,995	5/30 - 5/31	V	12,995
NOR	AZALEA GARDEN RD	PRINCESS ANNE RD	SEWELLS POINT RD								17,390	10/7 - 10/8	V							18,258	5/30 - 5/31	V	18,258
NOR	AZALEA GARDEN RD	SEWELLS POINT RD	ROBIN HOOD RD								8,923	10/6 - 10/7	V							8,519	10/16 - 10/17	V	8,519
NOR	AZALEA GARDEN RD	ROBIN HOOD RD	I-64								9,133	10/6 - 10/7	V										9,133
NOR	AZALEA GARDEN RD	I-64	MILITARY HWY								9,330	10/6 - 10/7	V							8,266	10/16 - 10/17	V	8,266
NOR	AZALEA GARDEN RD	MILITARY HWY	NORVIEW AVE								13,113	10/7 - 10/8	V							14,379	6/5 - 6/6	V	14,379
NOR	AZALEA GARDEN RD	NORVIEW AVE	LITTLE CREEK RD								13,113	10/7 - 10/8	V							14,379	6/5 - 6/6	V	14,379
NOR	BAINBRIDGE BLVD	CHESAPEAKE CL	S MAIN ST								1,597	3/31 - 4/1	V							1,812	10/23 - 10/24	V	1,812
NOR	BALLENTINE BLVD	I-264	VA BEACH BLVD								23,927	3/18 - 3/19	V							24,398	5/16 - 5/17	V	24,398
NOR	BALLENTINE BLVD	VA BEACH BLVD	PRINCESS ANNE RD								13,241	3/18 - 3/19	V							13,223	5/16 - 5/17	V	13,223
NOR	BALLENTINE BLVD	PRINCESS ANNE RD	CHESAPEAKE BLVD								10,136	3/17 - 3/18	V							10,359	5/16 - 5/17	V	10,359
NOR	BAY AVE	FIRST VIEW ST	I-64								14,023	10/20 - 10/21	V							13,511	4/24 - 4/25	V	13,511
NOR	BAY AVE/OCEAN AVE	I-64	GRANBY ST								1,865	4/21 - 4/22	V										1,865
NOR	BAYVIEW BLVD	GRANBY ST	TIDEWATER DR								8,307	5/6 - 5/7	V							16,208	4/11 - 4/12	V	16,208
NOR	BAYVIEW BLVD	TIDEWATER DR	CHESAPEAKE BLVD								12,280	5/6 - 5/7	V							12,215	4/11 - 4/12	V	12,215
NOR	BAYVIEW BLVD	CHESAPEAKE BLVD	CAPE VIEW AVE								6,349	5/6 - 5/7	V							6,485	4/11 - 4/12	V	6,485
NOR	BERKLEY AVE	I-464	STATE ST		14,000		E																14,000
NOR	BERKLEY AVE	STATE ST	MAIN ST								12,934	4/1 - 11/18	V										12,934
NOR	BERKLEY AVE	MAIN ST	BERKLEY AVE EXT								13,383	4/1 - 4/2	V										13,383
NOR	BERKLEY AVE	BERKLEY AVE EXT	INDIAN RIVER RD								12,000	1/0	E										12,000
NOR	BERKLEY AVE EXT	BERKLEY AVE/FAUQUIER ST	WILSON RD								3,878	3/31 - 4/1	V										3,878
NOR	BERKLEY AVE EXT	WILSON RD	CAMPOSTELLA RD								3,837	3/31 - 4/1	V										3,837
NOR	BOUSH ST/WATERSIDE DR	ST PAULS BLVD	CITY HALL AVE								23,806	5/19 - 5/20	V							21,180	10/16	V	21,180
NOR	BOUSH ST	CITY HALL AVE	BUTE STREET								22,069	5/19 - 5/20	V							20,653	10/16	V	20,653
NOR	BOUSH ST	BUTE STREET	BRAMBLETON AVE								22,069	5/19 - 5/20	V							20,653	10/16	V	20,653
NOR	BOUSH ST	BRAMBLETON AVE	OLNEY RD		9,767	12/11 - 12/12	V				9,738	5/19 - 5/20	V										9,738
NOR	BOUSH ST	OLNEY RD	VA BEACH BLVD		9,767	12/11 - 12/12	V				9,738	5/19 - 5/20	V										9,738
NOR	BRAMBLETON AVE	HAMPTON BLVD	COLLEY AVE								30,422	4/14 - 4/15	V										30,422
NOR	BRAMBLETON AVE	COLLEY AVE	BOUSH ST								38,684	4/14 - 4/15	V							38,905	10/24 - 10/25	V	38,905
NOR	BRAMBLETON AVE	BOUSH ST	MONTICELLO AVE								32,184	4/14 - 4/15	V							31,448	10/24 - 10/25	V	31,448
NOR	BRAMBLETON AVE	MONTICELLO AVE	ST PAULS BLVD								32,184	4/14 - 4/15	V							31,448	10/24 - 10/25	V	31,448
NOR	BRAMBLETON AVE	ST PAULS BLVD	CHURCH ST								23,241	4/14 - 4/15	V							22,493	12/4 - 12/6	V	22,493
NOR	BRAMBLETON AVE	CHURCH ST	TIDEWATER DR								34,849	9/15 - 9/16	V										34,849
NOR	BRAMBLETON AVE	TIDEWATER DR	PARK AVE								38,112	6/9	V										38,112
NOR	BRAMBLETON AVE	PARK AVE	I-264								48,658	6/9	V										48,658
NOR	CAMPOSTELLA RD	SCL NORFOLK/BERKLEY AVE EXT	INDIAN RIVER RD								21,195	4/1 - 4/2	V							19,987	10/23	V	19,987
NOR	CAMPOSTELLA RD	INDIAN RIVER RD	WILSON RD								27,604	4/1 - 4/23	V							26,237	10/23	V	26,237
NOR	CAMPOSTELLA RD	WILSON RD	S. END CAMPOSTELLA BRIDGE								48,068	6/9	V										48,068
NOR	CAMPOSTELLA RD	S. END CAMPOSTELLA BRIDGE	KIMBALL TERR								48,068	6/9	V										48,068
NOR	CAMPOSTELLA RD	KIMBALL TERR	I-264								48,068	6/9	V										48,068
NOR	CAPE VIEW AVE	BAYVIEW BLVD	OCEAN VIEW AVE								3,661	10/20 - 10/21	V							4,482	4/11 - 4/12	V	4,482
NOR	CHESAPEAKE BLVD	LAFAYETTE BLVD	CROMWELL DR								18,928	9/23 - 9/24	V							19,286	6/5 - 6/6	V	19,286
NOR	CHESAPEAKE BLVD	CROMWELL DR	ROBIN HOOD RD								18,928	9/23 - 9/24	V							19,286	6/5 - 6/6	V	19,286
NOR	CHESAPEAKE BLVD	ROBIN HOOD RD	HYDE CIR								18,928	9/23 - 9/24	V							19,286	6/5 - 6/6	V	19,286
NOR	CHESAPEAKE BLVD	HYDE CIR	NORVIEW AVE								18,928	9/23 - 9/24	V							19,286	6/5 - 6/6	V	19,286
NOR	CHESAPEAKE BLVD	NORVIEW AVE	I-64								18,532	9/23 - 9/24	V							17,916	4/24 - 4/25	V	17,916
NOR	CHESAPEAKE BLVD	I-64	JOHNSTONS RD								27,438	5/6 - 6/10	V							25,816	4/24 - 4/25	V	25,816
NOR	CHESAPEAKE BLVD	JOHNSTONS RD	LITTLE CREEK RD								27,438	5/6 - 6/10	V							25,816	4/24 - 4/25	V	25,816
NOR	CHESAPEAKE BLVD	LITTLE CREEK RD	SHEPPARD AVE								25,689	5/5 - 5/6	V							24,451	5/9 - 5/10	V	24,451
NOR	CHESAPEAKE BLVD	SHEPPARD AVE	BAYVIEW BLVD								25,689	5/5 - 5/6	V							24,451	5/9 - 5/10	V	24,451
NOR	CHESAPEAKE BLVD	BAYVIEW BLVD	CHESAPEAKE ST								13,533	5/6 - 6/10	V										13,533
NOR	CHESAPEAKE BLVD	CHESAPEAKE ST	OCEAN VIEW AVE								7,119	5/5 - 5/6	V							6,085	10/9 - 10/11	V	6,085
NOR	CHURCH ST	BRAMBLETON AVE	VA BEACH BLVD								17,023	4/14 - 4/16	V										17,023
NOR	CHURCH ST	VA BEACH BLVD	PRINCESS ANNE RD								17,720	4/14 - 4/16	V										17,720

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					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NOR	CHURCH ST	PRINCESS ANNE RD	26TH ST								22,193	4/15 - 5/13	V										22,193
NOR	CHURCH ST	26TH ST	27TH ST								15,944	4/15 - 4/16	V										15,944
NOR	CHURCH ST	27TH ST	MONTICELLO AVE								12,282	4/15 - 4/16	V										12,282
NOR	CHURCH ST	MONTICELLO AVE	GRANBY ST		29,000		E																29,000
NOR	CITY HALL AVE	BOUSH ST	GRANBY ST		8,000		E																8,000
NOR	CITY HALL AVE	GRANBY ST	MONTICELLO AVE		8,000		E																8,000
NOR	CITY HALL AVE	MONTICELLO AVE	ST PAULS BLVD								9,394	10/27 - 10/28	V							9,536	10/23 - 12/4	V	9,536
NOR	COLLEY AVE	BRAMBLETON AVE	OLNEY RD								15,665	9/16 - 9/17	V										15,665
NOR	COLLEY AVE	OLNEY RD	PRINCESS ANNE RD								13,305	9/16 - 9/17	V							12,770	6/12 - 6/13	V	12,770
NOR	COLLEY AVE	PRINCESS ANNE RD	21ST ST								14,014	9/16 - 10/14	V										14,014
NOR	COLLEY AVE	21ST ST	26TH ST								15,714	10/13 - 10/14	V							14,511	5/23 - 10/11	V	14,511
NOR	COLLEY AVE	26TH ST	27TH ST								15,714	10/13 - 10/14	V							14,511	5/23 - 10/11	V	14,511
NOR	COLLEY AVE	27TH ST	38TH ST								15,264	9/16 - 9/17	V							14,233	5/23 - 5/24	V	14,233
NOR	COLLEY AVE	38TH ST	53RD ST								15,264	9/16 - 9/17	V							14,233	5/23 - 5/24	V	14,233
NOR	CROMWELL DR	TAIT TERRACE DR	CHESAPEAKE BLVD								15,577	3/17 - 3/18	V							17,342	5/30 - 5/31	V	17,342
NOR	CROMWELL DR	CHESAPEAKE BLVD	TIDEWATER DR								12,649	6/9 - 6/10	V							13,509	5/30 - 5/31	V	13,509
NOR	DUKE ST	OLNEY RD	BRAMBLETON AVE								8,611	3/11 - 3/12	V							5,104	12/4 - 12/6	V	5,104
NOR	GRANBY ST	CHURCH ST	38TH ST								26,554	10/20 - 11/5	V							26,976	5/2 - 5/3	V	26,976
NOR	GRANBY ST	38TH ST	LLEWELLYN AVE								26,554	10/20 - 11/5	V							26,976	5/2 - 5/3	V	26,976
NOR	GRANBY ST	LLEWELLYN AVE	WILLOW WOOD DRIVE								31,541	10/27 - 10/28	V							37,572	5/9 - 5/10	V	37,572
NOR	GRANBY ST	WILLOW WOOD DRIVE	THOLE ST											36,558	8/31 - 9/1	V							36,558
NOR	GRANBY ST	THOLE ST	LITTLE CREEK RD								30,880	10/27	V							29,298	5/9 - 5/10	V	29,298
NOR	GRANBY ST	LITTLE CREEK RD	I-564								26,942	10/20 - 10/21	V							25,601	5/22 - 5/23	V	25,601
NOR	GRANBY ST	I-564	I-64								25,542	10/20 - 10/21	V							25,968	5/1 - 5/2	V	25,968
NOR	GRANBY ST	I-64	BAYVIEW BLVD								22,679	4/21 - 4/22	V							21,992	5/1 - 5/2	V	21,992
NOR	GRANBY ST	BAYVIEW BLVD	BAY AVE								12,995	10/20 - 10/21	V							14,358	5/1 - 5/2	V	14,358
NOR	GRANBY ST	BAY AVE	TIDEWATER DR								12,995	10/20 - 10/21	V							14,358	5/1 - 5/2	V	14,358
NOR	GRANBY ST	TIDEWATER DR	OCEAN VIEW AVE								12,919	5/13 - 5/14	V							11,993	5/1 - 5/2	V	11,993
NOR	HAMPTON BLVD	BRAMBLETON AVE	PRINCESS ANNE RD								35,824	10/20 - 11/18	V										35,824
NOR	HAMPTON BLVD	PRINCESS ANNE RD	21ST ST								35,824	10/20 - 11/18	V										35,824
NOR	HAMPTON BLVD	21ST ST	26TH ST								37,297	10/27 - 10/28	V							40,899	10/23 - 10/24	V	40,899
NOR	HAMPTON BLVD	26TH ST	27TH ST								32,612	10/27 - 10/28	V							32,666	10/23 - 10/24	V	32,666
NOR	HAMPTON BLVD	27TH ST	38TH ST								32,612	10/27 - 10/28	V							32,666	10/23 - 10/24	V	32,666
NOR	HAMPTON BLVD	38TH ST	JAMESTOWN CRESCENT		39,088	1/1 - 12/31	V	36,014	1/1 - 12/31	V	35,762	1/1 - 12/31	V	36,297	1/1 - 12/31	V	36,759	1/1 - 12/31	V	37,298	1/1 - 12/31	V	37,298
NOR	HAMPTON BLVD	JAMESTOWN CRESCENT	LITTLE CREEK RD		39,088	1/1 - 12/31	V	36,014	1/1 - 12/31	V	35,762	1/1 - 12/31	V	36,297	1/1 - 12/31	V	36,759	1/1 - 12/31	V	37,298	1/1 - 12/31	V	37,298
NOR	HAMPTON BLVD	LITTLE CREEK RD	INTERNATIONAL TERMINAL BLVD								34,742	11/17 - 11/18	V							33,802	12/4 - 12/6	V	33,802
NOR	HAMPTON BLVD	INTERNATIONAL TERMINAL BLVD	INTERMODAL CONNECTOR								27,141	10/21 - 10/22	V							29,689	10/9 - 10/11	V	29,689
NOR	HAMPTON BLVD	INTERMODAL CONNECTOR	ADM TAUSSIG BLVD								27,141	10/21 - 10/22	V							29,689	10/9 - 10/11	V	29,689
NOR	I-64/HRBT	HAMPTON CL	OCEAN VIEW AVE	EB	46,070	1/1 - 12/31	T	44,853	1/1 - 12/31	T	39,835	1/1 - 12/31	T	46,899	1/1 - 12/31	T	47,561	1/1 - 12/31	T	45,616	1/1 - 12/31	T	45,616
				WB	44,200	1/1 - 12/31	T	43,223	1/1 - 12/31	T	44,026	1/1 - 12/31	T	45,167	1/1 - 12/31	T	44,905	1/1 - 12/31	T	44,483	1/1 - 12/31	T	44,483
NOR	I-64	OCEAN VIEW AVE	4TH VIEW AVE	EB	46,070	1/1 - 12/31	T	44,853	1/1 - 12/31	T	39,835	1/1 - 12/31	T	46,899	1/1 - 12/31	T	47,561	1/1 - 12/31	T	45,616	1/1 - 12/31	T	45,616
				WB	44,200	1/1 - 12/31	T	43,223	1/1 - 12/31	T	44,026	1/1 - 12/31	T	45,167	1/1 - 12/31	T	44,905	1/1 - 12/31	T	44,483	1/1 - 12/31	T	44,483
NOR	I-64	4TH VIEW AVE	BAY AVE	EB				41,705	1/1 - 12/31	V				41,925	1/1 - 8/11	V				44,172	1/1 - 12/31	V	44,172
				WB				39,778	1/1 - 12/31	V				43,633	1/1 - 8/11	V				43,284	1/1 - 12/31	V	43,284
NOR	I-64	BAY AVE	GRANBY ST	EB				47,597	1/1 - 12/31	V				50,157	1/1 - 8/11	V				48,791	1/1 - 12/31	V	48,791
				WB				43,169	1/1 - 12/31	V				45,012	1/1 - 8/11	V				44,439	1/1 - 12/31	V	44,439
NOR	I-64	GRANBY ST	I-564/LITTLE CREEK RD	EB				47,597	1/1 - 12/31	V				50,157	1/1 - 8/11	V				48,791	1/1 - 12/31	V	48,791
				WB				43,169	1/1 - 12/31	V				45,012	1/1 - 8/11	V				44,439	1/1 - 12/31	V	44,439
NOR	I-64	I-564/LITTLE CREEK RD	TIDEWATER DR	REV	24,814	1/1 - 12/31	V	21,535	1/1 - 12/31	V	23,280	1/1 - 12/31	V	24,660	1/1 - 12/31	V	22,741	1/1 - 12/31	V	22,015	1/1 - 12/31	V	22,015
				EB	52,491	1/1 - 12/31	V	59,627	1/1 - 12/31	V	60,789	1/1 - 12/31	V	62,149	1/1 - 12/31	V	63,531	1/1 - 12/31	V				63,531
				WB							62,713	8/5 - 8/6	V	63,598	1/1 - 8/11	V							63,598
NOR	I-64	TIDEWATER DR	CHESAPEAKE BLVD	REV	24,814	1/1 - 12/31	V	21,535	1/1 - 12/31	V	23,280	1/1 - 12/31	V	24,660	1/1 - 12/31	V	22,741	1/1 - 12/31	V	22,015	1/1 - 12/31	V	22,015
				EB										58,967	1/1 - 8/11	V				59,668	1/1 - 12/31	V	59,668
				WB	60,064	1/1 - 12/31	V	58,977	1/1 - 12/31	V	59,525	1/1 - 12/31	V	62,732	1/1 - 12/31	V	62,455	1/1 - 12/31	V	63,195	1/1 - 12/31	V	63,195
NOR	I-64	CHESAPEAKE BLVD	NORVIEW AVE	REV	24,814	1/1 - 12/31	V	21,535	1/1 - 12/31	V	23,280	1/1 - 12/31	V	24,660	1/1 - 12/31	V	22,741	1/1 - 12/31	V	22,015	1/1 - 12/31	V	22,015
				EB				62,772	1/1 - 12/31	V	65,449	1/1 - 12/31	V	65,560	1/1 - 12/31	V	66,764	1/1 - 12/31	V	66,316	1/1 - 12/31	V	66,316
				WB				66,843	1/1 - 12/31	V	67,610	7/28 - 12/31	V	70,552	1/1 - 12/31	V	70,355	1/1 - 12/31	V	70,995	1/1 - 12/31	V	70,995

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Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NOR	I-64	NORVIEW AVE	MILITARY HWY	REV	24,814	1/1 - 12/31	V	21,535	1/1 - 12/31	V	23,280	1/1 - 12/31	V	24,660	1/1 - 12/31	V	22,741	1/1 - 12/31	V	22,015	1/1 - 12/31	V	22,015
				EB				71,596	1/1 - 12/31	V				75,563	1/1 - 8/11	V				72,313	11/14 - 11/15	V	72,313
				WB	71,537	1/1 - 9/19	V	70,774	1/1 - 12/31	V				73,719	1/1 - 8/11	V				70,751	11/14 - 11/15	V	70,751
NOR	I-64	MILITARY HWY	NORTHAMPTON BLVD	REV	24,814	1/1 - 12/31	V	21,535	1/1 - 12/31	V	23,280	1/1 - 12/31	V	24,660	1/1 - 12/31	V	22,741	1/1 - 12/31	V	22,015	1/1 - 12/31	V	22,015
				EB				60,516	1/1 - 12/31	V										63,628	11/14 - 11/15	V	63,628
				WB	71,859	1/1 - 12/31	V	70,790	1/1 - 12/31	V				74,189	1/1 - 8/11	V				76,248	1/1 - 12/31	V	76,248
NOR	I-64	NORTHAMPTON BLVD	I-264	REV							23,355	1/7 - 2/3	V	22,420	6/17 - 12/31	V	21,658	1/1 - 12/31	V	21,861	1/1 - 12/31	V	21,861
				EB										80,592	6/16 - 12/31	V	82,862	1/1 - 12/31	V	84,567	1/1 - 12/31	V	84,567
				WB				86,152	1/1 - 12/31	V				91,875	6/16 - 12/31	V	92,803	1/1 - 12/31	V	93,992	1/1 - 12/31	V	93,992
NOR	I-64	I-264	VA BEACH CL	EB	75,076	1/1 - 12/31	V	75,688	1/1 - 12/31	V	76,538	1/1 - 12/31	V	79,622	1/1 - 12/31	V	80,543	1/1 - 12/31	V	79,645	1/1 - 12/31	V	79,645
				WB	72,921	1/1 - 12/31	V	73,302	1/1 - 12/31	V	74,451	1/1 - 12/31	V	77,910	1/1 - 12/31	V	77,358	1/1 - 12/31	V	76,371	1/1 - 12/31	V	76,371
NOR	I-264/DOWNTOWN TUNNEL	PORTSMOUTH CL	I-464	EB	45,645	1/1 - 12/31	T	35,892	1/1 - 12/31	T	35,876	1/1 - 12/31	T	37,343	1/1 - 12/31	T	40,072	1/1 - 12/31	T	40,575	1/1 - 12/31	T	40,575
				WB	47,733	1/1 - 12/31	T	37,553	1/1 - 12/31	T	38,173	1/1 - 12/31	T	38,365	1/1 - 12/31	T	38,901	1/1 - 12/31	T	38,542	1/1 - 12/31	T	38,542
NOR	I-264/BERKLEY BRIDGE	I-464	WATERSIDE/CITY HALL/TIDEWATER	EB																53,000		E	53,000
				WB																48,000		E	48,000
NOR	I-264	WATERSIDE/CITY HALL/TIDEWATER	BRAMBLETON AVE	EB							53,368	8/25 - 8/26	V	51,768	1/1 - 8/11	V	52,673	3/31 - 12/31	V	51,857	1/1 - 12/31	V	51,857
				WB				47,609	1/1 - 12/31	V	46,955	1/1 - 8/26	V	48,135	1/1 - 8/11	V	50,316	3/31 - 12/31	V	49,901	1/1 - 12/31	V	49,901
NOR	I-264	BRAMBLETON AVE	BALLENTINE BLVD	EB				63,851	1/1 - 12/31	V	63,114	1/1 - 8/26	V	65,623	1/1 - 8/11	V	68,234	3/31 - 12/31	V	67,898	1/1 - 12/31	V	67,898
				WB				63,994	1/1 - 12/31	V	63,096	1/1 - 8/26	V	66,088	1/1 - 8/11	V	69,008	3/31 - 12/31	V	68,673	1/1 - 12/31	V	68,673
NOR	I-264	BALLENTINE BLVD	MILITARY HWY	EB				62,580	1/1 - 12/31	V				64,801	1/1 - 8/11	V	67,502	3/31 - 12/31	V	67,259	1/1 - 12/31	V	67,259
				WB				64,512	1/1 - 12/31	V				64,121	1/1 - 8/11	V	66,799	3/31 - 12/31	V	66,281	1/1 - 12/31	V	66,281
NOR	I-264	MILITARY HWY	I-64	EB				71,467	1/1 - 12/31	V	69,158	1/7 - 2/3	V										69,158
				WB				66,000		E													66,000
NOR	I-264	I-64	NEWTOWN RD/WCL VA. BEACH	EB							117,873	8/18 - 8/19	V										117,873
				WB							117,436	8/18 - 8/19	V										117,436
NOR	I-464	CHESAPEAKE CL	SOUTH MAIN ST	NB							30,574	9/1 - 9/2	V	29,354	1/1 - 8/11	V	31,441	3/31 - 12/31	V	31,562	1/1 - 12/31	V	31,562
				SB							29,095	9/1 - 9/16	V	28,108	1/1 - 8/11	V	29,868	3/31 - 12/31	V	30,603	1/1 - 12/31	V	30,603
NOR	I-464	SOUTH MAIN ST	I-264	NB							28,387	9/1 - 9/2	V	24,341	1/1 - 8/11	V	24,658	3/31 - 12/31	V	29,027	9/11 - 10/17	V	29,027
				SB										25,230	1/1 - 8/11	V	29,707	3/31 - 12/31	V	31,538	1/1 - 12/31	V	31,538
NOR	I-564	ADMIRAL TAUSSIG BLVD	INTERMODAL CONNECTOR	NB	21,396	1/1 - 12/31	V	19,650	1/1 - 12/31	V				21,062	1/1 - 8/11	V							21,062
				SB	24,496	1/1 - 12/31	V							23,251	1/1 - 8/11	V							23,251
NOR	I-564	INTERMODAL CONNECTOR	INTERNATIONAL TERMINAL BLVD	NB	21,396	1/1 - 12/31	V	19,650	1/1 - 12/31	V				21,062	1/1 - 8/11	V							21,062
				SB	24,496	1/1 - 12/31	V							23,251	1/1 - 8/11	V							23,251
NOR	I-564	INTERNATIONAL TERMINAL BLVD	I-64	NB							37,087	8/5 - 8/6	V										37,087
				SB							25,000	1/0	E										25,000
NOR	INDIAN RIVER RD	MARSH ST	WILSON RD								14,532	4/1 - 4/2	V							14,035	10/22 - 10/23	V	14,035
NOR	INDIAN RIVER RD	WILSON RD	CAMPOSTELLA RD								14,532	4/1 - 4/2	V							14,035	10/22 - 10/23	V	14,035
NOR	INDIAN RIVER RD	CAMPOSTELLA RD	CHESAPEAKE CL								19,483	4/1 - 4/2	V							17,301	10/23	V	17,301
NOR	INGLESIDE RD	VA BEACH BLVD	PRINCESS ANNE RD								14,123	3/17 - 3/18	V							16,924	5/30 - 5/31	V	16,924
NOR	INGLESIDE RD	PRINCESS ANNE RD	TAIT TERRACE DR								15,828	3/18 - 3/19	V										15,828
NOR	INTERNATIONAL TERMINAL BLVD	HAMPTON BLVD	I-564		27,215	1/1 - 12/31	V	22,523	1/1 - 12/31	V				24,102	10/18 - 12/31	V	24,786	1/1 - 12/31	V	25,061	1/1 - 12/31	V	25,061
NOR	JAMESTOWN CRESCENT	53RD ST	HAMPTON BLVD								7,548	9/16 - 9/17	V							8,531	5/23 - 5/24	V	8,531
NOR	JOHNSTONS RD	SEWELLS POINT RD	CHESAPEAKE BLVD								6,831	5/6 - 5/7	V							6,290	5/8 - 5/9	V	6,290
NOR	JOHNSTONS RD	CHESAPEAKE BLVD	MILITARY HWY								11,465	5/6 - 5/7	V							12,010	5/8 - 5/9	V	12,010
NOR	JOHNSTONS RD/HALPRIN LN	MILITARY HWY	LITTLE CREEK RD								7,573	5/6 - 5/7	V							8,156	5/8 - 5/9	V	8,156
NOR	KEMPSVILLE RD	NEWTOWN RD	VA BEACH BLVD								20,972	10/6 - 10/7	V							20,875	5/15 - 5/16	V	20,875
NOR	KEMPSVILLE RD	VA BEACH BLVD	NORTHAMPTON BLVD								12,967	10/6 - 10/7	V							12,027	5/15 - 5/16	V	12,027
NOR	LAFAYETTE BLVD	27TH ST	TIDEWATER DR								17,090	9/15 - 9/16	V							17,648	6/12 - 6/13	V	17,648
NOR	LAFAYETTE BLVD	TIDEWATER DR	CHESAPEAKE BLVD																	17,753	6/12 - 6/13	V	17,753
NOR	LIBERTY ST	STATE ST	SOUTH MAIN ST								5,379	4/1 - 4/23	V										5,379
NOR	LIBERTY ST	SOUTH MAIN ST	CHESAPEAKE CL								4,915	3/31 - 4/1	V							5,471	10/23	V	5,471
NOR	LITTLE CREEK RD	HAMPTON BLVD	GRANBY ST		17,825	12/18 - 12/19	V							21,511	11/9 - 11/10	V							21,511
NOR	LITTLE CREEK RD	GRANBY ST	I-64								27,889	10/14 - 10/15	V							25,817	6/13 - 6/14	V	25,817
NOR	LITTLE CREEK RD	I-64	TIDEWATER DR								24,853	10/14 - 10/15	V							21,117	4/24	V	21,117
NOR	LITTLE CREEK RD	TIDEWATER DR	SEWELLS POINT RD								26,207	10/14 - 10/15	V							22,818	4/24	V	22,818
NOR	LITTLE CREEK RD	SEWELLS POINT RD	CHESAPEAKE BLVD								26,207	10/14 - 10/15	V							22,818	4/24	V	22,818

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NOR	LITTLE CREEK RD	CHESAPEAKE BLVD	MILITARY HWY								38,573	5/13 - 5/14	V										38,573
NOR	LITTLE CREEK RD	MILITARY HWY	AZALEA GARDEN RD								26,826	5/13 - 5/14	V							26,271	6/13 - 6/14	V	26,271
NOR	LITTLE CREEK RD	AZALEA GARDEN RD	SHORE DR								24,092	5/13 - 5/14	V							21,385	4/24	V	21,385
NOR	LLEWELLYN AVE	VA BEACH BLVD	PRINCESS ANNE RD								8,678	10/7 - 10/8	V							8,356	6/12 - 6/13	V	8,356
NOR	LLEWELLYN AVE	PRINCESS ANNE RD	21ST ST								9,347	5/19 - 5/20	V										9,347
NOR	LLEWELLYN AVE	21ST ST	26TH ST								7,485	6/9 - 6/10	V							6,905	6/12 - 6/13	V	6,905
NOR	LLEWELLYN AVE	26TH ST	27TH ST								7,485	6/9 - 6/10	V							6,905	6/12 - 6/13	V	6,905
NOR	LLEWELLYN AVE	27TH ST	35TH ST								6,592	9/23 - 9/24	V							7,832	6/12 - 6/13	V	7,832
NOR	LLEWELLYN AVE	35TH ST	38TH ST								6,592	9/23 - 9/24	V							7,832	6/12 - 6/13	V	7,832
NOR	LLEWELLYN AVE	38TH ST	DELAWARE AVE								12,457	5/20 - 5/21	V										12,457
NOR	LLEWELLYN AVE	DELAWARE AVE	GRANBY ST								8,572	5/20 - 5/21	V							8,507	6/12 - 6/13	V	8,507
NOR	MIDTOWN TUNNEL	PORTSMOUTH CL	BRAMBLETON AVE		40,744	1/1 - 12/31	T	36,356	1/1 - 12/31	T	35,311	1/1 - 12/31	T	34,775	1/1 - 12/31	T	36,778	1/1 - 12/31	T	37,663	1/1 - 12/31	T	37,663
NOR	MILITARY HWY	VA BEACH CL	I-264								51,393	12/9 - 12/10	V							50,329	9/26 - 9/27	V	50,329
NOR	MILITARY HWY	I-264	VA BEACH BLVD								64,161	10/28 - 10/29	V							59,705	9/26 - 9/27	V	59,705
NOR	MILITARY HWY	VA BEACH BLVD	LOWERY RD		45,000		E																45,000
NOR	MILITARY HWY	LOWERY RD	PRIN ANNE RD/NORTHAMPTON BLVD		45,000		E																45,000
NOR	MILITARY HWY	PRIN ANNE RD/NORTHAMPTON BLVD	I-64								44,917	10/27- 10/28	V							36,298	9/26 - 9/27	V	36,298
NOR	MILITARY HWY	I-64	AZALEA GARDEN RD								27,294	10/13 - 10/14	V							22,210	9/26 - 9/27	V	22,210
NOR	MILITARY HWY	AZALEA GARDEN RD	NORVIEW AVE								24,306	10/13 - 10/14	V							20,026	9/26 - 9/27	V	20,026
NOR	MILITARY HWY	NORVIEW AVE	JOHNSTONS RD								23,783	10/13 - 11/18	V							22,821	5/22 - 5/23	V	22,821
NOR	MILITARY HWY	JOHNSTONS RD	LITTLE CREEK RD								23,783	10/13 - 11/18	V							22,821	5/22 - 5/23	V	22,821
NOR	MONTICELLO AVE	CITY HALL AVE	BRAMBLETON AVE								2,967	9/9 - 9/10	V							2,880	10/10 - 10/11	V	2,880
NOR	MONTICELLO AVE	BRAMBLETON AVE	ST PAULS BLVD								5,138	9/16 - 9/17	V							4,692	10/10 - 10/11	V	4,692
NOR	MONTICELLO AVE	ST PAULS BLVD	VA BEACH BLVD		25,598	12/17 - 12/18	V				26,919	11/4 - 12/17	V										26,919
NOR	MONTICELLO AVE	VA BEACH BLVD	PRINCESS ANNE RD								22,771	6/16 - 6/17	V							22,701	10/3 - 10/4	V	22,701
NOR	MONTICELLO AVE	PRINCESS ANNE RD	21ST ST								22,771	6/16 - 6/17	V							22,701	10/3 - 10/4	V	22,701
NOR	MONTICELLO AVE	21ST ST	26TH ST								17,620	6/16 - 10/14	V							19,355	10/3 - 10/4	V	19,355
NOR	MONTICELLO AVE	26TH ST	27TH ST								17,620	6/16 - 10/14	V							19,355	10/3 - 10/4	V	19,355
NOR	MONTICELLO AVE	27TH ST	CHURCH ST								17,620	6/16 - 10/14	V							19,355	10/3 - 10/4	V	19,355
NOR	NEWTOWN RD	KEMPSVILLE RD	I-264								29,837	10/21 - 10/22	V										29,837
NOR	NEWTOWN RD	I-264	VA BEACH BLVD																	36,630	5/9 - 5/10	V	36,630
NOR	NEWTOWN RD	VA BEACH BLVD	VA BEACH CL								39,580	10/27 - 10/28	V										39,580
NOR	NORTHAMPTON BLVD	MILITARY HWY	KEMPSVILLE RD								31,180	10/27 - 10/28	V							28,204	9/26 - 9/27	V	28,204
NOR	NORTHAMPTON BLVD	KEMPSVILLE RD	I-64		35,000		E																35,000
NOR	NORTHAMPTON BLVD	I-64	WESLEYAN DR/VA BEACH CL		82,000		E																82,000
NOR	NORVIEW AVE	TIDEWATER DR	CHESAPEAKE BLVD								5,866	6/3 - 6/4	V							5,764	5/22 - 5/23	V	5,764
NOR	NORVIEW AVE	CHESAPEAKE BLVD	I-64								22,052	6/3 - 6/4	V							23,663	6/5 - 6/6	V	23,663
NOR	NORVIEW AVE	I-64	MILITARY HWY								25,033	6/2 - 6/3	V							27,403	6/5 - 6/6	V	27,403
NOR	NORVIEW AVE	MILITARY HWY	AZALEA GARDEN RD								13,931	6/2 - 6/3	V							15,880	6/5 - 6/6	V	15,880
NOR	NORVIEW AVE	AZALEA GARDEN RD	NORFOLK INT AIRPORT								13,846	6/2 - 6/3	V							14,499	6/5 - 6/6	V	14,499
NOR	OCEAN VIEW AVE	4TH VIEW ST	TIDEWATER DR								15,587	4/21 - 4/22	V							14,650	4/10 - 4/11	V	14,650
NOR	OCEAN VIEW AVE	TIDEWATER DR	GRANBY ST								15,587	4/21 - 4/22	V							14,650	4/10 - 4/11	V	14,650
NOR	OCEAN VIEW AVE	GRANBY ST	CHESAPEAKE BLVD								19,665	4/21 - 4/22	V							19,149	4/10 - 4/11	V	19,149
NOR	OCEAN VIEW AVE	CHESAPEAKE BLVD	CAPE VIEW AVE								17,399	5/5 - 5/6	V							16,321	4/10 - 4/11	V	16,321
NOR	OCEAN VIEW AVE	CAPE VIEW AVE	21ST BAY ST								18,907	5/5 - 5/6	V							19,060	4/10 - 4/11	V	19,060
NOR	OLNEY RD	COLLEY AVE	DUKE ST/VA BEACH BLVD								10,347	6/9 - 6/10	V							9,504	10/16	V	9,504
NOR	PARK AVE	BRAMBLETON AVE	VA BEACH BLVD								15,850	3/18 - 3/19	V							14,943	10/23 - 10/24	V	14,943
NOR	PARK AVE	VA BEACH BLVD	PRINCESS ANNE RD								14,317	4/22 - 4/23	V							13,618	10/10 - 10/11	V	13,618
NOR	PRINCESS ANNE RD	HAMPTON BLVD	COLLEY AVE								6,123	5/12 - 5/13	V										6,123
NOR	PRINCESS ANNE RD	COLLEY AVE	LLEWELLYN AVE								8,552	5/12 - 5/13	V							8,353	10/2 - 10/3	V	8,353
NOR	PRINCESS ANNE RD	LLEWELLYN AVE	MONTICELLO AVE								10,182	5/12 - 5/13	V							10,596	10/2 - 10/3	V	10,596
NOR	PRINCESS ANNE RD	MONTICELLO AVE	CHURCH ST								8,616	5/12 - 5/13	V							8,981	10/2 - 10/3	V	8,981
NOR	PRINCESS ANNE RD	CHURCH ST	TIDEWATER DR								12,117	5/12 - 5/13	V										12,117
NOR	PRINCESS ANNE RD	TIDEWATER DR	MAY AVE																	16,169	10/15 - 12/6	V	16,169
NOR	PRINCESS ANNE RD	MAY AVE	PARK AVE																	16,169	10/15 - 12/6	V	16,169
NOR	PRINCESS ANNE RD	PARK AVE	BALLENTINE BLVD								19,079	4/22 - 4/23	V							19,096	10/2 - 10/3	V	19,096

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Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
NOR	PRINCESS ANNE RD	BALLENTINE BLVD	INGLESIDE RD		22,511	1/1 - 12/31	V	22,065	1/1 - 12/31	V	22,992	1/1 - 12/31	V	23,058	1/1 - 12/31	V	21,863	1/1 - 12/31	V	21,476	1/1 - 12/31	V	21,476
NOR	PRINCESS ANNE RD	INGLESIDE RD	AZALEA GARDEN RD		22,511	1/1 - 12/31	V	22,065	1/1 - 12/31	V	22,992	1/1 - 12/31	V	23,058	1/1 - 12/31	V	21,863	1/1 - 12/31	V	21,476	1/1 - 12/31	V	21,476
NOR	PRINCESS ANNE RD	AZALEA GARDEN RD	SEWELLS POINT RD								22,193	3/17 - 3/18	V							19,836	10/2 - 10/3	V	19,836
NOR	PRINCESS ANNE RD	SEWELLS POINT RD	MILITARY HWY								22,193	3/17 - 3/18	V							19,836	10/2 - 10/3	V	19,836
NOR	ROBIN HOOD RD	CHESAPEAKE BLVD	SEWELLS POINT RD								6,303	10/6 - 10/7	V							5,787	10/9 - 10/11	V	5,787
NOR	ROBIN HOOD RD	SEWELLS POINT RD	AZALEA GARDEN RD								4,877	10/6 - 10/7	V										4,877
NOR	ROBIN HOOD RD	AZALEA GARDEN RD	ELLSMERE AVE								9,641	10/7 - 10/8	V							7,363	10/9 - 10/11	V	7,363
NOR	ROBIN HOOD RD	ELLSMERE AVE	MILITARY HWY								12,525	10/7 - 10/8	V										12,525
NOR	SEWELLS POINT RD	PRINCESS ANNE RD	AZALEA GARDEN RD								13,001	9/23 - 9/24	V							15,329	5/22 - 5/23	V	15,329
NOR	SEWELLS POINT RD	AZALEA GARDEN RD	ROBIN HOOD RD								13,001	9/23 - 9/24	V							15,329	5/22 - 5/23	V	15,329
NOR	SEWELLS POINT RD	ROBIN HOOD RD	CHESAPEAKE BLVD								13,001	9/23 - 9/24	V							15,329	5/22 - 5/23	V	15,329
NOR	SEWELLS POINT RD	CHESAPEAKE BLVD	PARTRIDGE ST								8,196	9/23 - 9/24	V							8,202	5/22 - 5/23	V	8,202
NOR	SEWELLS POINT RD	PARTRIDGE ST	PHILPOTTS RD								8,196	9/23 - 9/24	V							8,202	5/22 - 5/23	V	8,202
NOR	SEWELLS POINT RD	PHILPOTTS RD	I-64								8,196	9/23 - 9/24	V							8,202	5/22 - 5/23	V	8,202
NOR	SEWELLS POINT RD	I-64	LITTLE CREEK RD								8,196	9/23 - 9/24	V							8,202	5/22 - 5/23	V	8,202
NOR	SHORE DRIVE	21ST BAY ST	LITTLE CREEK RD								26,614	5/5 - 5/6	V							26,614	4/10 - 4/11	V	26,614
NOR	SHORE DRIVE	LITTLE CREEK RD	VA BEACH CL		34,182	7/2	C				34,772	5/5 - 5/6	V							32,824	5/9 - 5/10	V	32,824
NOR	SOUTH MAIN ST	I-464	BAINBRIDGE BLVD								6,589	6/10 - 6/11	V							7,008	10/23	V	7,008
NOR	SOUTH MAIN ST	BAINBRIDGE BLVD	LIBERTY ST								6,589	6/10 - 6/11	V							7,008	10/23	V	7,008
NOR	SOUTH MAIN ST	LIBERTY ST	BERKLEY AVE								6,589	6/10 - 6/11	V							7,008	10/23	V	7,008
NOR	ST PAULS BLVD	WATERSIDE DR	CITY HALL AVE								10,070	10/20 - 10/21	V							10,941	10/3 - 10/4	V	10,941
NOR	ST PAULS BLVD	CITY HALL AVE	I-264 RAMP/MACARTHUR MALL		44,000		E																44,000
NOR	ST PAULS BLVD	I-264 RAMP/MACARTHUR MALL	BRAMBLETON AVE		44,000		E																44,000
NOR	ST PAULS BLVD	BRAMBLETON AVE	MONTICELLO AVE								23,608	10/20 - 10/21	V							22,446	10/3 - 10/4	V	22,446
NOR	STATE ST	LIBERTY ST	BERKLEY AVE		4,000		E																4,000
NOR	STATE ST	BERKLEY AVE	I-464 RAMP								14,152	11/17 - 11/18	V										14,152
NOR	THOLE ST	GRANBY ST	TIDEWATER DR								8,731	6/3 - 6/4	V							10,396	5/8 - 5/9	V	10,396
NOR	TIDEWATER DR	CITY HALL AVE	BRAMBLETON AVE								26,438	3/24 - 3/25	V							29,755	10/23 - 10/24	V	29,755
NOR	TIDEWATER DR	BRAMBLETON AVE	VA BEACH BLVD								36,620	3/25 - 3/26	V										36,620
NOR	TIDEWATER DR	VA BEACH BLVD	PRINCESS ANNE RD								34,682	3/25 - 3/26	V										34,682
NOR	TIDEWATER DR	PRINCESS ANNE RD	LAFAYETTE BLVD								34,682	3/25 - 3/26	V										34,682
NOR	TIDEWATER DR	LAFAYETTE BLVD	CROMWELL DR								33,218	3/25 - 3/26	V										33,218
NOR	TIDEWATER DR	CROMWELL DR	NORVIEW AVE		41,186	1/1 - 12/31	V	39,424	1/1 - 12/31	V	41,624	1/1 - 12/31	V	42,963	1/1 - 12/31	V	43,615	1/1 - 12/31	V	43,107	1/1 - 12/31	V	43,107
NOR	TIDEWATER DR	NORVIEW AVE	THOLE ST								41,803	3/25 - 3/26	V										41,803
NOR	TIDEWATER DR	THOLE ST	I-64								41,803	3/25 - 3/26	V										41,803
NOR	TIDEWATER DR	I-64	LITTLE CREEK RD								29,369	10/27	V										29,369
NOR	TIDEWATER DR	LITTLE CREEK RD	BAYVIEW BLVD								16,906	3/25 - 3/26	V							20,022	5/1 - 5/2	V	20,022
NOR	TIDEWATER DR	BAYVIEW BLVD	GRANBY ST								12,385	3/25 - 3/26	V							12,772	5/1 - 5/2	V	12,772
NOR	TIDEWATER DR	GRANBY ST	OCEAN VIEW AVE								9,245	3/25 - 3/26	V							9,483	5/1 - 5/2	V	9,483
NOR	VA BEACH BLVD	OLNEY RD	GRANBY ST								6,166	3/11 - 3/12	V							6,042	12/4 - 12/6	V	6,042
NOR	VA BEACH BLVD	GRANBY ST	MONTICELLO AVE								6,062	3/11 - 3/12	V							6,011	10/16	V	6,011
NOR	VA BEACH BLVD	MONTICELLO AVE	CHURCH ST								15,520	3/24 - 3/25	V							14,495	10/3 - 10/4	V	14,495
NOR	VA BEACH BLVD	CHURCH ST	TIDEWATER DR								15,520	3/24 - 3/25	V							14,495	10/3 - 10/4	V	14,495
NOR	VA BEACH BLVD	TIDEWATER DR	PARK AVE								15,801	3/24 - 3/25	V							14,866	10/16	V	14,866
NOR	VA BEACH BLVD	PARK AVE	BALLENTINE BLVD								17,792	3/11 - 3/25	V							18,470	6/6 - 6/7	V	18,470
NOR	VA BEACH BLVD	BALLENTINE BLVD	INGLESIDE RD								31,807	3/24 - 3/25	V							32,688	5/8 - 5/10	V	32,688
NOR	VA BEACH BLVD	INGLESIDE RD	AZALEA GARDEN RD								31,807	3/24 - 3/25	V							32,688	5/8 - 5/10	V	32,688
NOR	VA BEACH BLVD	AZALEA GARDEN RD	JETT ST								31,699	3/25 - 3/26	V							35,743	5/8 - 5/10	V	35,743
NOR	VA BEACH BLVD	JETT ST	MILITARY HWY								31,699	3/25 - 3/26	V							35,743	5/8 - 5/10	V	35,743
NOR	VA BEACH BLVD	MILITARY HWY	GLENROCK RD								27,588	3/11 - 3/12	V							28,006	5/15 - 5/16	V	28,006
NOR	VA BEACH BLVD	GLENROCK RD	KEMPSVILLE RD								27,588	3/11 - 3/12	V							28,006	5/15 - 5/16	V	28,006
NOR	VA BEACH BLVD	KEMPSVILLE RD	NEWTOWN RD								28,584	3/11 - 3/25	V										28,584
NOR	WESLEYAN DR	NORTHAMPTON BLVD	NCL VA BEACH								21,493	10/6 - 10/7	V										21,493
NOR	WILLOW WOOD DR	GRANBY ST	TIDEWATER DR								10,453	6/9 - 6/10	V							10,637	5/8 - 5/9	V	10,637
NOR	WILSON RD	BERKLEY AVE/CHESAPEAKE CL	INDIAN RIVER RD								9,481	3/31 - 4/1	V							7,594	10/23	V	7,594
NOR	WILSON RD	INDIAN RIVER RD	CAMPOSTELLA RD								9,481	3/31 - 4/1	V							7,594	10/23	V	7,594

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
POQ	EAST YORKTOWN RD	YORK CL	HUNT'S NECK RD		3,976	7/23	V							4,193	7/19 - 7/20	V							4,193
POQ	EAST YORKTOWN RD	HUNT'S NECK RD	POQUOSON AVE		7,714	7/23 - 7/24	V							7,576	7/19 - 7/20	V							7,576
POQ	LITTLE FLORIDA RD	WYTHE CREEK RD	POQUOSON AVE		12,347	7/23	V							12,347	7/19 - 7/21	V							12,347
POQ	POQUOSON AVE	WYTHE CREEK RD	LITTLE FLORIDA RD											2,707	7/20 - 7/21	V							2,707
POQ	VICTORY BLVD	YORK CL	WYTHE CREEK RD		12,962	7/23	V							13,235	7/19 - 7/21	V							13,235
POQ	WYTHE CREEK RD	HAMPTON CL	ALPHUS ST		13,218	7/23	V							13,238	7/19 - 7/20	V							13,238
POQ	WYTHE CREEK RD	ALPHUS ST	LITTLE FLORIDA RD		13,218	7/23	V							13,238	7/19 - 7/20	V							13,238
POQ	WYTHE CREEK RD	LITTLE FLORIDA RD	HUDGINS RD		13,249	8/21 - 8/22	V							12,881	7/19 - 7/20	V							12,881
POQ	WYTHE CREEK RD	HUDGINS RD	POQUOSON AVE		8,651	8/28 - 8/29	V							8,144	7/19 - 7/20	V							8,144
PORT	AIRLINE BLVD	CHESAPEAKE CL	GREENWOOD DR		12,236	7/23 - 7/24	V							13,441	8/2 - 8/3	V							13,441
PORT	AIRLINE BLVD	GREENWOOD DR	ELMHURST LN		11,342	7/23 - 7/24	V							13,223	8/2 - 8/3	V							13,223
PORT	AIRLINE BLVD	ELMHURST LN	.55 MI E ELMHURST LN		9,573	7/23 - 7/24	V							10,950	8/2 - 8/3	V							10,950
PORT	AIRLINE BLVD	.55 MI E ELMHURST LN	VICTORY BLVD		9,573	7/23 - 7/24	V							10,950	8/2 - 8/3	V							10,950
PORT	AIRLINE BLVD	VICTORY BLVD	PORTSMOUTH BLVD		11,634	7/23 - 7/24	V							13,743	8/2 - 8/3	V							13,743
PORT	AIRLINE BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		14,616	8/14 - 8/15	V							16,422	8/2 - 8/3	V							16,422
PORT	AIRLINE BLVD	FREDERICK BLVD	HIGH ST		19,951	7/23 - 7/24	V							24,431	8/2 - 8/3	V							24,431
PORT	CAVALIER BLVD	CHESAPEAKE CL	GREENWOOD DR		10,773	10/2 - 10/3	V							11,521	9/14 - 9/15	V							11,521
PORT	CEDAR LN	HIGH ST	W NORFOLK RD		11,799	9/11 - 9/12	V							11,310	6/15 - 6/16	V							11,310
PORT	CEDAR LN	W NORFOLK RD	WESTERN FREEWAY		16,002	11/6 - 11/7	V							15,147	6/15 - 6/16	V							15,147
PORT	CEDAR LN	WESTERN FREEWAY	S PERIMETER RD		10,513	9/11 - 9/12	V							9,745	6/15 - 6/16	V							9,745
PORT	CHURCHLAND BLVD	CHESAPEAKE CL	W NORFOLK RD		13,615	10/23 - 10/24	V							14,478	8/10 - 8/11	V							14,478
PORT	CHURCHLAND BLVD	W NORFOLK RD	TYRE NECK RD		9,324	10/23 - 10/24	V							10,849	8/10 - 8/11	V							10,849
PORT	CHURCHLAND BLVD	TYRE NECK RD	HIGH ST		9,851	10/29 - 10/30	V							10,064	8/9 - 8/10	V							10,064
PORT	COAST GUARD BLVD	CEDAR LN	COAST GUARD BASE GATE		3,101	10/1 - 10/2	V							3,164	9/7 - 9/8	V							3,164
PORT	COUNTY ST	CONSTITUTION AVE	PENINSULA AVE		5,145	10/1 - 10/2	V							1,597	12/14 - 12/15	V							1,597
PORT	COUNTY ST	PENINSULA AVE	ELM AVE		5,722	10/1 - 10/2	V							2,368	12/14 - 12/15	V							2,368
PORT	COUNTY ST	ELM AVE	EFFINGHAM ST											4,569	12/14 - 12/15	V							4,569
PORT	COURT ST	PAVILION DR	COUNTY ST											6,863	8/23 - 8/24	V							6,863
PORT	COURT ST	COUNTY ST	HIGH ST											5,805	8/30 - 8/31	V							5,805
PORT	COURT ST	HIGH ST	LONDON BLVD		3,648	10/22 - 10/23	V							2,944	8/17 - 8/18	V							2,944
PORT	COURT ST	LONDON BLVD	CRAWFORD PKWY		1,415	10/22 - 10/23	V							1,023	8/17 - 8/18	V							1,023
PORT	CRAWFORD PKWY	EFFINGHAM ST	CRAWFORD ST		3,599	10/22 - 10/23	V							3,426	8/16 - 8/17	V							3,426
PORT	CRAWFORD ST	CRAWFORD PKWY	LONDON BLVD											2,690	8/16 - 8/17	V							2,690
PORT	CRAWFORD ST	LONDON BLVD	HIGH ST		5,327	10/2 - 11/7	V							5,263	8/16 - 8/17	V							5,263
PORT	CRAWFORD ST	HIGH ST	COUNTY ST		5,399	11/6 - 11/7	V							5,811	8/16 - 8/17	V							5,811
PORT	CRAWFORD ST/BART ST	COUNTY ST	COURT ST		5,696	11/6 - 11/7	V							5,585	8/16 - 8/17	V							5,585
PORT	DEEP CREEK BLVD	VICTORY BLVD	GREENWOOD DR		7,096	9/18 - 9/19	V							7,140	10/4 - 10/5	V							7,140
PORT	DEEP CREEK BLVD	GREENWOOD DR	PORTSMOUTH BLVD		8,835	9/18 - 9/19	V							7,859	9/20 - 9/22	V							7,859
PORT	DEEP CREEK BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		9,427	9/18 - 9/19	V							9,125	12/13 - 12/14	V							9,125
PORT	DEEP CREEK BLVD	FREDERICK BLVD	DES MOINES AVE		5,026	11/13 - 11/14	V							6,511	12/13 - 12/14	V							6,511
PORT	DES MOINES AVE	DEEP CREEK BLVD	I-264		7,193	9/24 - 11/14	V							5,341	12/13 - 12/14	V							5,341
PORT	EFFINGHAM ST	PORTSMOUTH BLVD	I-264		23,715	8/6 - 8/7	V							23,972	8/16 - 9/1	V							23,972
PORT	EFFINGHAM ST	I-264	SOUTH ST		30,858	8/14 - 8/15	V							30,358	8/16 - 8/18	V							30,358
PORT	EFFINGHAM ST	SOUTH ST	HIGH ST		25,793	8/6 - 8/8	V																25,793
PORT	EFFINGHAM ST	HIGH ST	LONDON BLVD		22,651	8/14 - 8/15	V										19,502	1/17 - 1/19	V				19,502
PORT	EFFINGHAM ST	LONDON BLVD	NORTH ST		16,741	10/2 - 11/20	V										15,968	1/18 - 1/19	V				15,968
PORT	EFFINGHAM ST	NORTH ST	CRAWFORD PKWY		16,250	10/2 - 10/3	V							14,790	8/16 - 8/17	V							14,790
PORT	EFFINGHAM ST	CRAWFORD PKWY	NAVAL MEDICAL CENTER		16,724	10/2 - 10/3	V							15,389	8/16 - 8/17	V							15,389
PORT	ELM AVE	LONDON BLVD	HIGH ST		6,746	10/22 - 10/23	V							8,433	8/23 - 8/24	V							8,433
PORT	ELM AVE	HIGH ST	COUNTY ST		10,390	10/22 - 10/23	V							11,745	8/23 - 8/24	V							11,745
PORT	ELM AVE	COUNTY ST	SOUTH ST		11,236	10/22 - 10/23	V							10,520	8/23 - 8/24	V							10,520
PORT	ELM AVE	SOUTH ST	I-264		8,011	10/22 - 10/23	V							7,965	8/23 - 8/24	V							7,965
PORT	ELM AVE	I-264	PORTSMOUTH BLVD		8,011	10/22 - 10/23	V							7,965	8/23 - 8/24	V							7,965
PORT	ELM AVE	PORTSMOUTH BLVD	GEORGE WASHINGTON HWY											7,256	8/23 - 8/24	V							7,256
PORT	ELM AVE	GEORGE WASHINGTON HWY	VICTORY BLVD		6,941	6/4 - 6/5	V							5,842	8/23 - 8/24	V							5,842
PORT	ELM AVE	VICTORY BLVD	BURTONS POINT RD		8,760	6/5 - 6/6	V							8,841	8/23 - 8/24	V							8,841

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
PORT	ELM AVE (S NORFOLK JORDAN BRIDGE	BURTONS POINT RD	CHESAPEAKE CL		6,159	1/1 - 12/31	T	8,777	1/1 - 12/31	T	10,452	1/1 - 12/31	T	9,655	1/1 - 12/31	T	8,968	1/1 - 12/31	T	9,032	1/1 - 12/31	T	9,032
PORT	ELMHURST LN	GARWOOD AVE	AIRLINE BLVD		3,652	9/25 - 9/26	V							3,840	9/13 - 9/14	V							3,840
PORT	ELMHURST LN	AIRLINE BLVD	PORTSMOUTH BLVD		7,254	9/25 - 9/26	V							7,534	10/4 - 10/5	V							7,534
PORT	FREDERICK BLVD	GEORGE WASHINGTON HWY	PORTSMOUTH BLVD		13,006	7/23 - 7/24	V							15,303	10/5 - 10/6	V							15,303
PORT	FREDERICK BLVD	PORTSMOUTH BLVD	DEEP CREEK BLVD		15,594	7/23 - 7/24	V																15,594
PORT	FREDERICK BLVD	DEEP CREEK BLVD	I-264		21,068	7/23 - 7/24	V																21,068
PORT	FREDERICK BLVD	I-264	TURNPIKE RD		39,002	8/6 - 8/8	V																39,002
PORT	FREDERICK BLVD	TURNPIKE RD	AIRLINE BLVD		28,337	8/6 - 8/7	V																28,337
PORT	FREDERICK BLVD	AIRLINE BLVD	HIGH ST		17,688	8/14 - 8/15	V																17,688
PORT	GARWOOD AVE	GREENWOOD DR	ELMHURST LN		3,164	12/4 - 12/5	V							3,942	9/13 - 9/14	V							3,942
PORT	GEORGE WASHINGTON HWY	CHESAPEAKE CL	VICTORY BLVD		23,417	8/21 - 8/22	V							32,555	8/10 - 8/11	V							32,555
PORT	GEORGE WASHINGTON HWY	VICTORY BLVD	DAVIS ST		20,102	8/7 - 8/8	V							24,635	7/26 - 7/27	V							24,635
PORT	GEORGE WASHINGTON HWY	DAVIS ST	GREENWOOD DR											24,168	10/4 - 10/5	V							24,168
PORT	GEORGE WASHINGTON HWY	GREENWOOD DR	FREDERICK BLVD											26,954	7/26 - 7/27	V							26,954
PORT	GEORGE WASHINGTON HWY	FREDERICK BLVD	ELM AVE		17,831	8/21 - 8/22	V							18,254	7/26 - 7/27	V							18,254
PORT	GEORGE WASHINGTON HWY	ELM AVE	PORTSMOUTH BLVD		15,880	8/6 - 8/7	V							12,741	7/26 - 7/27	V							12,741
PORT	GREENWOOD DR	AIRLINE BLVD	I-264		17,319	9/17 - 9/18	V							17,714	9/13 - 9/14	V							17,714
PORT	GREENWOOD DR	I-264	CAVALIER BLVD		15,488	9/17 - 9/18	V							15,761	9/14 - 9/15	V							15,761
PORT	GREENWOOD DR	CAVALIER BLVD	VICTORY BLVD		10,209	9/17 - 9/18	V							11,090	9/14 - 9/15	V							11,090
PORT	GREENWOOD DR	VICTORY BLVD	INDEPENDENCE ST		4,181	9/17 - 9/18	V							4,784	9/14 - 9/15	V							4,784
PORT	GREENWOOD DR	INDEPENDENCE ST	DEEP CREEK BLVD		4,154	9/17 - 9/18	V							4,789	9/14 - 9/15	V							4,789
PORT	GREENWOOD DR	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		3,389	9/17 - 9/18	V							3,507	9/14 - 9/15	V							3,507
PORT	HIGH ST	TYRE NECK RD	CHURCHLAND BLVD		17,526	9/24 - 9/25	V							16,385	8/30 - 8/31	V							16,385
PORT	HIGH ST	CHURCHLAND BLVD	CEDAR LA		24,582	7/23 - 7/24	V							22,736	8/9 -8/10	V							22,736
PORT	HIGH ST	CEDAR LA	RODMAN AVE		27,268	8/7 - 8/8	V							27,564	10/4 - 10/5	V							27,564
PORT	HIGH ST	RODMAN AVE	FREDERICK BLVD		25,456	7/23 - 8/15	V							23,786	8/9 -8/10	V							23,786
PORT	HIGH ST	FREDERICK BLVD	AIRLINE BLVD		13,971	12/4 - 12/5	V										12,391	2/14 - 2/16	V				12,391
PORT	HIGH ST	AIRLINE BLVD	MT VERNON AVE		11,683	10/22 - 10/24	V										10,820	1/17 - 2/16	V				10,820
PORT	HIGH ST	MT VERNON AVE	M L K FWY		12,495	10/22 - 10/24	V										12,418	1/17 - 1/19	V				12,418
PORT	HIGH ST	M L K FWY	ELM AVE		16,239	10/23 - 10/24	V										10,497	1/18 - 1/19	V				10,497
PORT	HIGH ST	ELM AVE	EFFINGHAM ST		11,209	10/23 - 10/24	V										5,939	1/18 - 1/19	V				5,939
PORT	HIGH ST	EFFINGHAM ST	CRAWFORD ST		8,135	10/22 - 10/23	V							5,223	9/27 - 9/28	V							5,223
PORT	I-264	WCL PORTSMOUTH	GREENWOOD DR	EB										28,783	1/1 - 8/11	V	29,427	3/31 - 12/31	V	29,433	1/1 - 12/31	V	29,433
				WB										29,487	1/1 - 8/11	V	29,848	3/31 - 12/31	V	29,605	1/1 - 12/31	V	29,605
PORT	I-264	GREENWOOD DR	VICTORY BLVD	EB				25,984	1/1 - 12/31	V	26,053	7/7 - 7/8	V	23,013	1/1 - 8/11	V							23,013
				WB				26,285	1/1 - 12/31	V				26,359	1/1 - 8/11	V	28,393	3/31 - 12/31	V	28,393	1/1 - 12/31	V	28,393
PORT	I-264	VICTORY BLVD	PORTSMOUTH BLVD	EB	32,875	1/1 - 12/31	V	26,257	1/1 - 12/31	V	25,582	1/1 - 12/31	V	27,819	1/1 - 12/31	V	30,767	1/1 - 12/31	V	31,743	1/1 - 12/31	V	31,743
				WB	31,706	1/1 - 12/31	V	26,222	1/1 - 12/31	V	26,520	1/1 - 12/31	V	27,635	1/1 - 12/31	V	29,774	1/1 - 12/31	V	30,450	1/1 - 12/31	V	30,450
PORT	I-264	PORTSMOUTH BLVD	FREDERICK BLVD	EB				24,566	1/1 - 12/31	V													24,566
				WB							28,370	9/15 - 9/16	V										28,370
PORT	I-264	FREDERICK BLVD	MLK FWY	EB							30,000		E										30,000
				WB							31,110	9/15 - 9/16	V										31,110
PORT	I-264	MLK FWY	DES MOINES AVE	EB							30,000		E										30,000
				WB							31,110	9/15 - 9/16	V										31,110
PORT	I-264	DES MOINES AVE	EFFINGHAM ST	EB							28,000		E										28,000
				WB							30,000		E										30,000
PORT	I-264/DOWNTOWN TUNNEL	EFFINGHAM ST	NORFOLK CL	EB	45,645	1/1 - 12/31	T	35,892	1/1 - 12/31	T	35,876	1/1 - 12/31	T	37,343	1/1 - 12/31	T	40,072	1/1 - 12/31	T	40,575	1/1 - 12/31	T	40,575
				WB	47,733	1/1 - 12/31	T	37,553	1/1 - 12/31	T	38,173	1/1 - 12/31	T	38,365	1/1 - 12/31	T	38,901	1/1 - 12/31	T	38,542	1/1 - 12/31	T	38,542
PORT	LONDON BLVD	HIGH ST	MT VERNON AVE		20,259	9/10 - 9/11	V										18,948	1/17 - 2/16	V				18,948
PORT	LONDON BLVD	MT VERNON AVE	MLK FWY		20,259	9/10 - 9/11	V										18,948	1/17 - 2/16	V				18,948
PORT	LONDON BLVD	MLK FWY	ELM AVE		28,023	9/10 - 9/11	V										24,845	1/17 - 1/19	V				24,845
PORT	LONDON BLVD	ELM AVE	EFFINGHAM ST		24,986	9/4 - 9/5	V										18,710	1/17 - 1/19	V				18,710
PORT	LONDON ST	EFFINGHAM ST	CRAWFORD ST		7,362	9/24 - 9/25	V							6,537	9/27 - 9/28	V							6,537
PORT	MIDTOWN TUNNEL	MLK FWY/WESTERN FREEWAY	NORFOLK CL		40,744	1/1 - 12/31	T	36,356	1/1 - 12/31	T	35,311	1/1 - 12/31	T	34,775	1/1 - 12/31	T	36,778	1/1 - 12/31	T	37,663	1/1 - 12/31	T	37,663
PORT	M L K FREEWAY	I-264	HIGH ST	NB																32,000		E	32,000
				SB																32,000		E	32,000

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																								MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018									
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE								
PORT	M L K FREEWAY	HIGH ST	LONDON BLVD	NB	6,657	7/31 - 8/1	V													23,000			E	23,000				
				SB	7,305	7/31 - 8/1	V													23,000			E	23,000				
PORT	M L K FREEWAY	LONDON BLVD	WESTERN FREEWAY/MIDTOWN TUNNE	NB																29,235	7/17 - 7/19	V		29,235				
				SB																30,533	7/17 - 7/19	V		30,533				
PORT	PORTCENTRE PKWY	PORTSMOUTH BLVD	CRAWFORD ST											6,943	8/23 - 8/24	V								6,943				
PORT	PORTSMOUTH BLVD	CHESAPEAKE CL	ELMHURST LN		28,230	8/7 - 8/8	V							27,327	8/2 - 8/3	V								27,327				
PORT	PORTSMOUTH BLVD	ELMHURST LN	VICTORY BLVD											20,707	7/27 - 7/28	V								20,707				
PORT	PORTSMOUTH BLVD	VICTORY BLVD	AIRLINE BLVD		14,388	8/7 - 8/8	V							14,452	7/27 - 7/28	V								14,452				
PORT	PORTSMOUTH BLVD	AIRLINE BLVD	TURNPIKE RD											14,727	7/27 - 7/28	V								14,727				
PORT	PORTSMOUTH BLVD	TURNPIKE RD	I-264											12,009	7/27 - 7/28	V								12,009				
PORT	PORTSMOUTH BLVD	I-264	DEEP CREEK BLVD		11,534	9/17 - 9/18	V							13,314	12/13 - 12/14	V								13,314				
PORT	PORTSMOUTH BLVD	DEEP CREEK BLVD	FREDERICK BLVD		7,036	8/21 - 8/22	V							7,965	12/13 - 12/14	V								7,965				
PORT	PORTSMOUTH BLVD	FREDERICK BLVD	ELM AVE		9,017	9/17 - 9/18	V							9,558	7/26 - 7/27	V								9,558				
PORT	PORTSMOUTH BLVD	ELM AVE	EFFINGHAM ST		6,242	9/17 - 9/18	V							5,997	7/26 - 7/27	V								5,997				
PORT	PORTSMOUTH BLVD	EFFINGHAM ST	PORTCENTRE PKWY		4,462	9/4 - 9/5	V							4,328	7/26 - 7/27	V								4,328				
PORT	TOWNE POINT RD	SUFFOLK CL	TWIN PINES RD		10,320	9/4 - 9/5	V							10,794	8/10 - 8/11	V								10,794				
PORT	TOWNE POINT RD	TWIN PINES RD	WESTERN FREEWAY		22,079	10/1 - 10/2	V							25,101	8/10 - 8/31	V								25,101				
PORT	TOWNE POINT RD	WESTERN FREEWAY	CHESAPEAKE CL		23,099	9/4 - 9/5	V							22,059	8/30 - 8/31	V								22,059				
PORT	TURNPIKE RD	PORTSMOUTH BLVD	FREDERICK BLVD		4,217	7/31 - 8/1	V							3,448	9/27 - 9/28	V								3,448				
PORT	TURNPIKE RD	FREDERICK BLVD	HOWARD ST		11,614	11/6 - 11/7	V																	11,614				
PORT	TURNPIKE RD	HOWARD ST	HARBOR DR		9,647	11/6 - 11/7	V																	9,647				
PORT	TURNPIKE RD	HARBOR DR	COUNTY ST		9,647	11/6 - 11/7	V																	9,647				
PORT	TWIN PINES RD	TOWNE POINT RD	HEDGEROW LN		9,751	9/11 - 9/12	V							10,037	9/7 - 9/8	V								10,037				
PORT	TYRE NECK RD	CHESAPEAKE CL	HIGH ST		11,474	9/10 - 9/11	V							10,492	8/10 - 8/11	V								10,492				
PORT	TYRE NECK RD	HIGH ST	CHURCHLAND BLVD		5,655	9/10 - 9/11	V							5,330	8/10 - 8/11	V								5,330				
PORT	TYRE NECK RD	CHURCHLAND BLVD	WEST NORFOLK RD											3,379	8/10 - 8/11	V								3,379				
PORT	VICTORY BLVD	PORTSMOUTH BLVD	AIRLINE BLVD		8,883	8/7 - 8/8	V							8,312	8/2 - 8/3	V								8,312				
PORT	VICTORY BLVD	AIRLINE BLVD	I-264		20,995	8/7 - 8/8	V							22,227	8/2 - 8/3	V								22,227				
PORT	VICTORY BLVD	I-264	GREENWOOD DR											23,605	8/3 - 8/4	V								23,605				
PORT	VICTORY BLVD	GREENWOOD DR	DEEP CREEK BLVD		17,642	8/7 - 8/8	V							18,510	8/3 - 8/4	V								18,510				
PORT	VICTORY BLVD	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		18,078	8/21 - 8/22	V							19,775	8/3 - 8/4	V								19,775				
PORT	VICTORY BLVD	GEORGE WASHINGTON HWY	AFTON PKWY		10,324	6/18 - 6/19	V										10,635	11/7 - 11/9	V					10,635				
PORT	VICTORY BLVD	AFTON PKWY	ELM AVE		6,691	6/4 - 6/5	V							7,286	8/3 - 8/4	V								7,286				
PORT	W NORFOLK RD	CHURCHLAND BLVD	TYRE NECK RD		3,309	9/10 - 9/11	V							3,541	6/15 - 6/16	V								3,541				
PORT	W NORFOLK RD	TYRE NECK RD	CEDAR LN		6,568	9/10 - 9/11	V							5,895	6/15 - 6/16	V								5,895				
PORT	W NORFOLK RD	CEDAR LN	WESTERN FWY		4,916	9/10 - 9/11	V							4,238	6/15 - 6/16	V								4,238				
PORT	WESTERN BRANCH BLVD	CHESAPEAKE CL	TYRE NECK RD											19,129	8/9 - 8/10	V								19,129				
PORT	WESTERN FWY	SUFFOLK CL	TOWNE POINT RD	EB	25,985	1/1 - 12/31	V	25,782	1/1 - 12/31	V	27,364	1/1 - 12/31	V	28,540	1/1 - 12/31	V	27,853	1/1 - 12/31	V	28,774	1/1 - 12/31	V		28,774				
				WB	26,305	1/1 - 12/31	V	25,899	1/1 - 12/31	V	27,209	1/1 - 12/31	V	28,310	1/1 - 12/31	V	30,713	1/1 - 12/31	V	30,753	1/1 - 12/31	V		30,753				
PORT	WESTERN FWY	TOWNE POINT RD	CEDAR LN	EB																31,000			E	31,000				
				WB																30,000			E	30,000				
PORT	WESTERN FWY	CEDAR LN	VIG BLVD	EB							24,873	10/27 - 10/28	V							32,989	5/8 - 5/10	V		32,989				
				WB							25,090	10/27 - 10/28	V							32,378	5/8 - 5/10	V		32,378				
PORT	WESTERN FWY	VIG BLVD	WEST NORFOLK RD	EB	23,492	1/1 - 12/31	O				24,873	10/27 - 10/28	V							32,989	5/8 - 5/10	V		32,989				
				WB	24,567	1/1 - 12/31	O				25,090	10/27 - 10/28	V							32,378	5/8 - 5/10	V		32,378				
PORT	WESTERN FWY	WEST NORFOLK RD	MLK FREEWAY/MIDTOWN TUNNEL	EB							26,107	10/27 - 10/28	V							34,751	5/8 - 5/10	V		34,751				
				WB							26,068	10/27 - 10/28	V							34,105	5/8 - 5/10	V		34,105				
SH	BUS ROUTE 58	ROUTE 35	ECL COURTLAND								6,870	12/16 - 12/17	V							6,715	2/21 - 2/22	V		6,715				
SH	BUS ROUTE 58	ECL COURTLAND	ROUTE 58								6,870	12/16 - 12/17	V							6,715	2/21 - 2/22	V		6,715				
SH	BUSINESS ROUTE 58 (CAMP PKWY)	ROUTE 58	DELAWARE RD (RTE 687)		3,276	1/1 - 12/31	V	3,966	1/1 - 12/31	V	3,204	1/1 - 12/31	V	3,448	1/1 - 12/31	V	3,362	1/1 - 12/31	V	3,357	1/1 - 12/31	V		3,357				
SH	BUSINESS ROUTE 58 (CAMP PKWY)	DELAWARE RD (RTE 687)	FRANKLIN CL		3,276	1/1 - 12/31	V	3,966	1/1 - 12/31	V	3,204	1/1 - 12/31	V	3,448	1/1 - 12/31	V	3,362	1/1 - 12/31	V	3,357	1/1 - 12/31	V		3,357				
SH	ROUTE 35	NC STATE LINE	SCL BOYKINS								1,326	1/28 - 1/29	V							1,406	2/20 - 2/22	V		1,406				
SH	ROUTE 35	SCL BOYKINS	ROUTE 1324								1,326	1/28 - 1/29	V							1,406	2/20 - 2/22	V		1,406				
SH	ROUTE 35	ROUTE 1324	ROUTE 186								1,326	1/28 - 1/29	V							1,406	2/20 - 2/22	V		1,406				
SH	ROUTE 35	ROUTE 186	NCL BOYKINS								3,416	1/28 - 1/29	V							3,652	2/20 - 2/22	V		3,652				
SH	ROUTE 35	NCL BOYKINS	ROUTE 671								3,416	1/28 - 1/29	V							3,652	2/20 - 2/22	V		3,652				

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
SH	ROUTE 35	ROUTE 671	GRAYS SHOP RD (RTE 673)								1,294	1/28 - 1/29	V							1,445	2/20 - 2/22	V	1,445
SH	ROUTE 35	GRAYS SHOP RD (RTE 673)	ROUTE 58								1,330	2/4 - 2/5	V							1,490	2/21 - 2/22	V	1,490
SH	ROUTE 35/BUS ROUTE 58	ROUTE 58	WCL COURTLAND								3,029	12/16 - 12/17	V							3,314	2/21 - 2/22	V	3,314
SH	ROUTE 35/BUS ROUTE 58	WCL COURTLAND	BUS RTE 58								3,029	12/16 - 12/17	V							3,314	2/21 - 2/22	V	3,314
SH	ROUTE 35	BUS RTE 58	NCL COURTLAND								4,429	12/16 - 12/17	V							5,139	2/21 - 2/22	V	5,139
SH	ROUTE 35	NCL COURTLAND	IVOR RD (RTE 616)								4,429	12/16 - 12/17	V							5,139	2/21 - 2/22	V	5,139
SH	ROUTE 35	IVOR RD (RTE 616)	CARYS BRIDGE RD (RTE 653)								2,313	2/11 - 2/12	V							2,468	2/21 - 2/22	V	2,468
SH	ROUTE 35	CARYS BRIDGE RD (RTE 653)	SUSSEX CL								2,255	2/11 - 2/12	V							2,365	2/21 - 2/22	V	2,365
SH	ROUTE 58	GREENSVILLE CL	ADAMS GROVE RD (RTE 615)								10,521	3/3 - 3/4	V							11,892	3/6 - 3/8	V	11,892
SH	ROUTE 58	ADAMS GROVE RD (RTE 615)	DREWRY RD (RTE 659)								10,228	3/3 - 3/5	V							11,951	3/6 - 3/8	V	11,951
SH	ROUTE 58	DREWRY RD (RTE 659)	PINOPOLIS RD (ROUTE 653)								10,879	3/3 - 3/5	V							12,221	3/6 - 3/8	V	12,221
SH	ROUTE 58	PINOPOLIS RD (ROUTE 653)	ROUTE 35		12,112	7/9 - 12/31	V	12,100	1/1 - 12/31	V	12,884	1/1 - 12/31	V	13,391	1/1 - 12/31	V	13,704	1/1 - 12/31	V	13,558	1/1 - 12/31	V	13,558
SH	ROUTE 58	ROUTE 35	BUS RTE 58 W								12,836	12/8 - 12/9	V										12,836
SH	ROUTE 58	BUS RTE 58 W	CAMP PKWY (BUS RTE 58 E)		19,457	3/5 - 12/31	V	19,339	1/1 - 12/31	V	20,442	1/1 - 12/31	V	21,065	1/1 - 12/31	V	21,310	1/1 - 12/31	V	21,002	1/1 - 12/31	V	21,002
SH	ROUTE 58	CAMP PKWY (BUS RTE 58 E)	ARMORY DR (RTE 671)								15,363	3/3 - 3/4	V							16,803	3/6 - 3/8	V	16,803
SH	ROUTE 58	ARMORY DR (RTE 671)	ROUTE 258								15,363	3/3 - 3/4	V							16,803	3/6 - 3/8	V	16,803
SH	ROUTE 58	ROUTE 258	PRETLOW RD (RTE 714)								16,489	3/3 - 3/5	V							18,135	3/6 - 3/8	V	18,135
SH	ROUTE 58	PRETLOW RD (RTE 714)	SUFFOLK CL					18,964	12/2 - 12/4	V							19,075	10/11 - 10/12	V				19,075
SH	ROUTE 186	NC STATE LINE	WCL BRANCHVILLE								878	1/28 - 1/29	V							907	2/20 - 2/22	V	907
SH	ROUTE 186	WCL BRANCHVILLE	JOYNER RD (RTE 701)								878	1/28 - 1/29	V							907	2/20 - 2/22	V	907
SH	ROUTE 186	JOYNER RD (RTE 701)	ECL BRANCHVILLE								1,205	1/28 - 1/29	V							1,382	2/20 - 2/22	V	1,382
SH	ROUTE 186	ECL BRANCHVILLE	WCL BOYKINS								1,205	1/28 - 1/29	V							1,382	2/20 - 2/22	V	1,382
SH	ROUTE 186	WCL BOYKINS	ROUTE 35								1,626	1/28 - 1/29	V							1,920	2/20 - 2/22	V	1,920
SH	ROUTE 189	ROUTE 258	PRETLOW RD (RTE 714)								1,916	1/28 - 1/29	V							1,797	2/21 - 2/22	V	1,797
SH	ROUTE 189	PRETLOW RD (RTE 714)	SUFFOLK CL								2,116	1/28 - 1/29	V							2,390	2/21 - 2/22	V	2,390
SH	ROUTE 258	NC STATE LINE	ROUTE 189								5,585	6/10 - 6/11	V							5,244	2/20 - 2/22	V	5,244
SH	ROUTE 258	ROUTE 189	DOGWOOD BEND RD (RTE 684)								3,409	1/28 - 1/29	V							3,779	2/20 - 2/22	V	3,779
SH	ROUTE 258	DOGWOOD BEND RD (RTE 684)	ROUTE 58								3,834	1/27 - 1/29	V							4,350	2/20 - 2/22	V	4,350
SH	ROUTE 460	SUSSEX CL	WCL IVOR		9,016	1/1 - 12/31	V	8,940	1/1 - 12/31	V	9,416	1/1 - 12/31	V	10,155	1/1 - 12/31	V	10,450	1/1 - 12/31	V	10,324	1/1 - 12/31	V	10,324
SH	ROUTE 460	WCL IVOR	ROUTE 616 (IVOR RD)		9,016	1/1 - 12/31	V	8,940	1/1 - 12/31	V	9,416	1/1 - 12/31	V	10,155	1/1 - 12/31	V	10,450	1/1 - 12/31	V	10,324	1/1 - 12/31	V	10,324
SH	ROUTE 460	ROUTE 616 (IVOR RD)	ECL IVOR								8,562	10/27 - 10/28	V							8,793	3/6 - 3/8	V	8,793
SH	ROUTE 460	ECL IVOR	ISLE OF WIGHT CL								8,562	10/27 - 10/28	V							8,793	3/6 - 3/8	V	8,793
SH	ROUTE 616	ROUTE 35	SAINT LUKES RD (RTE 633)								1,098	2/3 - 2/4	V							1,234	2/27 - 2/28	V	1,234
SH	ROUTE 616	SAINT LUKES RD (RTE 633)	SEACOCK RD (RTE 614)								1,157	2/3 - 2/4	V							1,408	3/27 - 3/28	V	1,408
SH	ROUTE 616	SEACOCK RD (RTE 614)	MILLFIELD RD (RTE 605)								1,455	2/3 - 3/4	V							1,598	2/27 - 2/28	V	1,598
SH	ROUTE 616	MILLFIELD RD (RTE 605)	SCL IVOR								1,302	2/3 - 3/25	V							1,354	2/28 - 3/1	V	1,354
SH	ROUTE 616	SCL IVOR	ROUTE 460								1,906	2/10 - 2/11	V										1,906
SH	ROUTE 671	ROUTE 35	CROSS KEYS RD (RTE 665)								1,863	1/28 - 1/29	V							2,098	2/14 - 2/15	V	2,098
SH	ROUTE 671	CROSS KEYS RD (RTE 665)	WCL NEWSOMS								2,119	1/28 - 1/29	V							2,409	2/14 - 2/15	V	2,409
SH	ROUTE 671	WCL NEWSOMS	GRAYS SHOP RD (RTE 673)								2,264	1/28 - 1/29	V							2,515	2/14 - 2/15	V	2,515
SH	ROUTE 671	GRAYS SHOP RD (RTE 673)	ECL NEWSOMS								2,456	1/28 - 1/29	V							2,713	2/14 - 2/15	V	2,713
SH	ROUTE 671	ECL NEWSOMS	SUNBEAM RD (RTE 680)								2,970	1/28 - 1/29	V							3,253	2/14 - 2/15	V	3,253
SH	ROUTE 671	SUNBEAM RD (RTE 680)	DELAWARE RD (RTE 687)								4,217	1/28 - 1/29	V							4,488	2/14 - 2/15	V	4,488
SH	ROUTE 671	DELAWARE RD (RTE 687)	ROUTE 58								6,561	6/10 - 6/11	V							5,762	3/27 - 3/28	V	5,762
SUF	BENNETTS PASTURE RD	NANSEMOND PKWY	KINGS HWY					5,241	10/7 - 10/8	V							5,825	9/20 - 9/21	V				5,825
SUF	BENNETTS PASTURE RD	KINGS HWY	BRIDGE RD		11,295	5/9 - 5/14	C	9,733	10/7 - 10/8	V							10,447	9/20 - 9/21	V				10,447
SUF	BRIDGE RD	ISLE OF WIGHT CL	E. END CHUCKATUCK BRIDGE		17,252	5/30	C										16,617	2/7 - 2/8	V				16,617
SUF	BRIDGE RD	E. END CHUCKATUCK BRIDGE	CRITTENDEN RD		17,252	5/30	C										16,617	2/7 - 2/8	V				16,617
SUF	BRIDGE RD	CRITTENDEN RD	N. END NANSEMOND RIVER					20,850	10/1 - 10/2	V							22,742	9/20 - 9/21	V				22,742
SUF	BRIDGE RD	N. END NANSEMOND RIVER	S. END NANSEMOND RIVER					20,850	10/1 - 10/2	V							22,742	9/20 - 9/21	V				22,742
SUF	BRIDGE RD	S. END NANSEMOND RIVER	BENNETTS PASTURE RD					20,850	10/1 - 10/2	V							22,742	9/20 - 9/21	V				22,742
SUF	BRIDGE RD	BENNETTS PASTURE RD	SHOULDERS HILL RD		31,675	5/30 - 6/5	C	28,310	9/30 - 10/2	V							29,794	9/12 - 9/14	V				29,794
SUF	BRIDGE RD	SHOULDERS HILL RD	HARBOUR VIEW BLVD		34,202	8/22 - 8/28	C	36,289	9/30 - 10/2	V							41,745	8/1 - 8/3	C				41,745
SUF	BRIDGE RD	HARBOUR VIEW BLVD	WESTERN FWY		38,254	8/27 - 8/28	C																38,254
SUF	BRIDGE RD	WESTERN FWY	I-664																	25,000		E	25,000
SUF	BRIDGE RD	I-664	COLLEGE DR					22,960	9/30 - 10/2	V							24,705	9/12 - 9/14	V				24,705

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Appendix A – Weekday Traffic Volumes

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Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
SUF	BRIDGE RD	COLLEGE DR	CHESAPEAKE CL		23,678	1/1 - 12/31	V	23,615	1/1 - 12/31	V	23,589	1/1 - 12/31	V	24,266	1/1 - 12/31	V	23,620	1/1 - 12/31	V	23,316	1/1 - 12/31	V	23,316
SUF	BUCKHORN DR	ROUTE 58	INDIAN TRAIL					480	5/13	C							439	2/21 - 2/23	V				439
SUF	BUCKHORN DR	INDIAN TRAIL	ISLE OF WIGHT CL					312	10/21 - 10/22	V							343	2/21 - 2/23	V				343
SUF	CAROLINA RD	NC STATE LINE	ADAMS SWAMP RD (RTE 642)		4,021	4/8	C	3,670	9/16 - 9/17	V							4,116	10/4 - 10/5	V				4,116
SUF	CAROLINA RD	ADAMS SWAMP RD (RTE 642)	CYPRESS CHAPEL RD (RTE 675)					4,024	9/16 - 9/17	V							4,553	10/4 - 10/5	V				4,553
SUF	CAROLINA RD	CYPRESS CHAPEL RD (RTE 675)	BABBTOWN RD (RTE 759)					4,512	9/16 - 10/16	V							4,676	10/11 - 10/12	V				4,676
SUF	CAROLINA RD	BABBTOWN RD (RTE 759)	WHALEYVILLE BLVD		4,974	4/9	C	5,040	4/2 - 4/8	C							4,958	5/16 - 5/18	C				4,958
SUF	CAROLINA RD	WHALEYVILLE BLVD	TURLINGTON RD		17,263	4/9	C	17,517	4/2 - 4/8	C							15,316	5/2 - 5/3	C				15,316
SUF	CAROLINA RD	TURLINGTON RD	SW SUFFOLK BYPASS		17,263	4/9	C	17,517	4/2 - 4/8	C							15,316	5/2 - 5/3	C				15,316
SUF	CAROLINA RD	SW SUFFOLK BYPASS	FAYETTE ST					12,507	4/2 - 4/8	C							10,865	8/22 - 8/23	V				10,865
SUF	COLLEGE DR	BRIDGE RD	WESTERN FREEWAY					17,549	9/30 - 10/1	V							23,732	8/30 - 8/31	V				23,732
SUF	COLLEGE DR	WESTERN FREEWAY	HAMPTON ROADS PKWY														22,555	8/30 - 8/31	V				22,555
SUF	COLLEGE DR	HAMPTON ROADS PKWY	I-664		17,615	8/27 - 8/28	C	22,153	10/1 - 10/2	V							24,087	8/30 - 8/31	V				24,087
SUF	COLLEGE DR	I-664	HARBOUR VIEW BLVD					8,591	10/1 - 10/2	V										11,935	12/5 - 12/6	V	11,935
SUF	CONSTANCE RD	HOLLAND RD	PITCHKETTLE RD					8,831	10/8 - 10/9	V							8,723	10/10 - 10/12	V				8,723
SUF	CONSTANCE RD	PITCHKETTLE RD	MAIN ST					10,302	4/23 - 4/24	C							10,211	10/10 - 10/12	V				10,211
SUF	CONSTANCE RD	MAIN ST	WILROY RD		15,308	4/30 - 5/1	C	15,020	4/23 - 4/24	C							16,237	10/10 - 10/12	V				16,237
SUF	COPELAND RD	ROUTE 58	WHALEYVILLE BLVD														569	9/26 - 9/28	V				569
SUF	COPELAND RD	WHALEYVILLE BLVD	CAROLINA RD		325	10/29 - 10/30	C																325
SUF	CRITTENDEN RD	KINGS HWY	BRIDGE RD (RTE 17)		3,087	3/27 - 3/28	C	2,957	10/28 - 10/29	V							2,779	8/29 - 8/30	V				2,779
SUF	EVERETTS RD	LAKE PRINCE DR (RTE 604)	MOORE FARM LN		1,826	3/26 - 3/28	C	1,994	10/8 - 10/9	V							1,995	2/22 - 2/23	V				1,995
SUF	EVERETTS RD	MOORE FARM LN	GODWIN BLVD					1,857	10/8 - 10/9	V							1,859	2/22 - 2/23	V				1,859
SUF	FINNEY AVE	N MAIN ST	PINNER ST					7,608	3/11 - 3/19	C							8,112	10/17 - 10/18	V				8,112
SUF	GODWIN BLVD	PRUDEN BLVD	SUFFOLK BYPASS					20,255	10/14 - 10/16	V							20,302	8/22 - 8/23	V				20,302
SUF	GODWIN BLVD	SUFFOLK BYPASS	KENSINGTON BLVD		36,774	5/9 - 5/14	C										40,755	5/2 - 5/3	C				40,755
SUF	GODWIN BLVD	KENSINGTON BLVD	KINGS FORK RD					23,432	9/17 - 9/18	V							23,278	8/22 - 8/23	V				23,278
SUF	GODWIN BLVD	KINGS FORK ROAD	1.36 MI N OF KINGS FORK RD		12,625	3/27 - 3/28	C	12,022	9/17 - 9/18	V							12,128	8/22 - 8/23	V				12,128
SUF	GODWIN BLVD	1.36 MILES N OF KINGS FORK RD	EVERETS RD		12,625	3/27 - 3/28	C	12,022	9/17 - 9/18	V							12,128	8/22 - 8/23	V				12,128
SUF	GODWIN BLVD	EVERETS RD	KINGS HWY					12,483	9/17 - 9/18	V							13,465	8/22 - 8/23	V				13,465
SUF	GODWIN BLVD	KINGS HWY	ISLE OF WIGHT CL		11,401	3/27 - 3/28	C										11,173	8/22 - 8/23	V				11,173
SUF	HAMPTON ROADS PKWY	HARBOUR VIEW BLVD	COLLEGE DR		9,464	8/22 - 8/28	C	11,505	10/22 - 10/23	V							13,242	10/3 - 10/4	V				13,242
SUF	HAMPTON ROADS PKWY	COLLEGE DR	PORTSMOUTH CL					9,707	9/30 - 10/1	V							10,563	9/6 - 9/7	V				10,563
SUF	HARBOUR VIEW BLVD	BRIDGE RD	HAMPTON ROADS PKWY					19,726	10/1 - 10/2	V							20,648	10/3 - 10/4	V				20,648
SUF	HARBOUR VIEW BLVD	HAMPTON ROADS PKWY	COLLEGE DR					4,297	10/22 - 10/23	V							5,587	8/30 - 8/31	V				5,587
SUF	HOLLAND RD (BUS RTE 58)	SUFFOLK BYPASS	CONSTANCE RD		10,414	4/17 - 4/18	C	10,095	4/23	C							9,245	10/11 - 10/12	V				9,245
SUF	HOLLAND RD (BUS RTE 58)	RURITAN BLVD	HOLLAND RD (RTE 58)					3,359	10/21 - 10/22	V							2,345	10/11 - 10/12	V				2,345
SUF	I-664	CHESAPEAKE CL	BRIDGE RD	SB																45,084	6/12 - 6/13	V	45,084
				NB													45,172	8/22 - 8/23	V				45,172
SUF	I-664	BRIDGE RD	WESTERN FWY	SB													31,127	8/15 - 8/16	V				31,127
				NB													32,000		E				32,000
SUF	I-664	WESTERN FWY	COLLEGE DR	SB	31,414	1/1 - 12/31	V	32,418	1/1 - 12/31	V	33,885	1/1 - 12/31	V	34,923	1/1 - 12/31	V	36,334	1/1 - 12/31	V	38,154	1/1 - 12/31	V	38,154
				NB	33,210	8/6 - 12/31	V	33,596	1/1 - 12/31	V	34,805	1/1 - 12/31	V	36,349	1/1 - 12/31	V	37,555	1/1 - 12/31	V	38,545	1/1 - 12/31	V	38,545
SUF	I-664/MMMBT	COLLEGE DR	NEWPORT NEWS CL	SB	31,911	1/1 - 12/31	T	31,826	1/1 - 12/31	T	33,073	1/1 - 12/31	T	33,713	1/1 - 12/31	T	34,870	1/1 - 12/31	T	36,560	1/1 - 12/31	T	36,560
				NB	33,056	1/1 - 12/31	T	32,844	1/1 - 12/31	T	33,891	1/1 - 12/31	T	34,800	1/1 - 12/31	T	36,442	1/1 - 12/31	T	37,479	1/1 - 12/31	T	37,479
SUF	KINGS FORK RD	PITCHKETTLE RD	PRUDEN BLVD		2,121	3/5 - 3/6	C	2,471	9/10 - 9/11	V							2,647	10/17 - 10/19	V				2,647
SUF	KINGS FORK RD	PRUDEN BLVD	GODWIN BLVD		4,249	3/5 - 3/6	C	4,752	11/12 - 11/13	V							5,424	10/17 - 10/19	V				5,424
SUF	KINGS HWY	GODWIN BLVD	CRITTENDEN RD		3,694	3/27 - 3/28	C	3,310	10/8 - 10/9	V							3,025	8/29 - 8/30	V				3,025
SUF	KINGS HWY	BENNETTS PASTURE RD	NANSEMOND PKWY					2,939	10/7 - 10/8	V							2,804	8/30 - 8/31	V				2,804
SUF	LAKE PRINCE DR (RTE 604)	ROUTE 460 (PRUDEN BLVD)	ROUTE 603 (EVERETTS RD)		2,233	3/5 - 3/13	C	2,272	10/21 - 10/22	V							2,648	10/4 - 10/5	V				2,648
SUF	MAIN ST	FAYETTE ST	WASHINGTON ST					9,979	10/29 - 10/30	V							11,061	8/22 - 8/23	V				11,061
SUF	MAIN ST	WASHINGTON ST	MARKET ST														19,123	8/22	V				19,123
SUF	MAIN ST	MARKET ST	CONSTANCE RD														19,123	8/22	V				19,123
SUF	MAIN ST	CONSTANCE RD	PRUDEN BLVD/GODWIN BLVD		26,329	1/1 - 12/31	V	25,721	1/1 - 12/31	V	26,630	1/1 - 12/31	V	26,717	1/1 - 12/31	V	26,498	1/1 - 12/31	V	26,973	1/1 - 12/31	V	26,973
SUF	MARKET ST	WASHINGTON ST	MAIN ST					2,879	10/21 - 10/22	V							3,306	10/4 - 10/5	V				3,306
SUF	NANSEMOND PKWY	WILROY RD	BENNETTS PASTURE RD					10,720	9/23 - 9/24	V							13,323	9/20 - 9/21	V				13,323
SUF	NANSEMOND PKWY	BENNETTS PASTURE RD	KINGS HWY					7,479	9/23 - 9/24	V							9,089	9/20 - 9/21	V				9,089

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
SUF	NANSEMOND PKWY	KINGS HWY	SHOULDERS HILL RD					12,496	9/23 - 9/24	V							14,372	10/17 - 10/19	V				14,372
SUF	NANSEMOND PKWY	SHOULDERS HILL RD	CHESAPEAKE CL					12,948	7/15 - 7/16	V													12,948
SUF	PINNER ST	WASHINGTON ST	BANK ST					5,532	10/21 - 10/22	V							7,513	10/17 - 10/18	V				7,513
SUF	PINNER ST	BANK ST	FINNEY AVE					5,532	10/21 - 10/22	V							7,513	10/17 - 10/18	V				7,513
SUF	PINNER ST	FINNEY AVE	CONSTANCE RD					9,952	3/11 - 3/19	C							10,804	10/17 - 10/18	V				10,804
SUF	PITCHKETTLE RD	CONSTANCE RD	SUFFOLK BYPASS					4,329	4/1 - 4/3	C							4,568	10/17 - 10/18	V				4,568
SUF	PITCHKETTLE RD	SUFFOLK BYPASS	KINGS FORK RD					2,874	10/15 - 10/16	V							2,831	8/29 - 8/30	V				2,831
SUF	PORTSMOUTH BLVD	WILROY RD	WASHINGTON ST		19,371	4/25 - 4/30	C	17,146	10/8 - 10/9	V							17,825	10/10 - 10/12	V				17,825
SUF	PORTSMOUTH BLVD	WASHINGTON ST	SUFFOLK BYPASS		23,463	4/25	C	24,506	4/23 - 4/24	C							24,587	4/25 - 4/26	C				24,587
SUF	PROVIDENCE RD (RTE 604)	KINGS FORK RD	ROUTE 460 (PRUDEN BLVD)					1,541	10/21 - 10/22	V							1,607	8/29 - 8/30	V				1,607
SUF	PRUDEN BLVD	ISLE OF WIGHT CL	LAKE PRINCE DR		14,987	3/5 - 3/6	C	15,180	11/12 - 11/13	V							16,368	9/27 - 9/28	V				16,368
SUF	PRUDEN BLVD	LAKE PRINCE DR	KINGS FORK RD					16,910	11/5 - 12/4	V							18,825	9/27 - 9/28	V				18,825
SUF	PRUDEN BLVD	KINGS FORK RD	SUFFOLK BYPASS					22,438	11/12 - 11/13	V							24,187	9/27 - 9/28	V				24,187
SUF	PRUDEN BLVD	SUFFOLK BYPASS	GODWIN BLVD					10,653	11/12 - 11/13	V							11,199	9/27 - 9/28	V				11,199
SUF	PUGHSVILLE RD	SHOULDERS HILL RD	TOWN POINT RD		6,017	5/21 - 5/23	C	6,384	10/1 - 10/2	V							6,969	10/17 - 10/19	V				6,969
SUF	PUGHSVILLE RD	TOWN POINT RD	CHESAPEAKE CL					10,271	7/15 - 7/16	V							11,953	7/25 - 7/26	V				11,953
SUF	ROUTE 13/58/460	SUFFOLK BYPASS	CHESAPEAKE CL	EB	35,839	1/1 - 12/31	V	35,530	1/1 - 12/31	V	37,118	1/1 - 12/31	V	38,776	1/1 - 12/31	V	39,929	1/1 - 12/31	V	40,126	1/1 - 12/31	V	40,126
				WB	35,738	1/1 - 12/31	V	35,458	1/1 - 12/31	V	36,925	1/1 - 12/31	V	38,692	1/1 - 12/31	V	40,086	1/1 - 12/31	V	40,312	1/1 - 12/31	V	40,312
SUF	ROUTE 58	SOUTHAMPTON CL	RTE 189/258					18,964	12/2 - 12/4	V							19,075	10/11 - 10/12	V				19,075
SUF	ROUTE 58	RTE 189/258	RTE 272 (S. QUAY RD)					16,749	9/10 - 9/11	V							19,461	10/11 - 10/12	V				19,461
SUF	ROUTE 58	RTE 272	S. QUAY RD (ROUTE 189)		21,401	2/19 - 2/20	C	17,714	9/10 - 11/6	V							21,101	10/11 - 10/12	V				21,101
SUF	ROUTE 58 (HOLLAND BYPASS)	S. QUAY RD (ROUTE 189)	BUS RTE 58 (HOLLAND RD)					18,297	9/10 - 9/11	V							21,545	10/11 - 10/12	V				21,545
SUF	ROUTE 58 (HOLLAND RD)	BUS RTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)					22,520	9/10 - 9/11	V							24,740	10/11 - 10/12	V				24,740
SUF	ROUTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)	RTE 643 (MANNING BRIDGE RD)					23,468	9/10 - 9/11	V							25,722	4/11 - 4/12	C				25,722
SUF	ROUTE 58 (HOLLAND RD)	RTE. 643 (MANNING BRIDGE RD)	COVE POINT DR					28,918	9/10 - 9/11	V							33,787	10/11 - 10/12	V				33,787
SUF	ROUTE 58 (HOLLAND RD)	COVE POINT DR	SUFFOLK BYPASS					30,176	9/10 - 9/11	V							33,708	6/27 - 6/29	C				33,708
SUF	ROUTE 189 (IN HOLLAND)	RTE 58 (SOUTH OF HOLLAND)	BUS RTE 58 (RURITAN BLVD)					700	11/5 - 11/6	V							662	10/11 - 10/12	V				662
SUF	ROUTE 189	SOUTHAMPTON CL	RTE 272		1,737	2/19 - 2/20	C	1,755	10/21 - 10/22	V							1,810	8/15 - 8/16	V				1,810
SUF	ROUTE 189	RTE 272	RTE 58		1,726	2/19 - 2/20	C	2,427	10/21 - 10/22	V							1,717	10/11 - 10/12	V				1,717
SUF	ROUTE 258	RTE 58	ISLE OF WIGHT CL		2,992	2/19	C	2,607	11/5 - 11/6	V							2,367	2/28 - 3/1	V				2,367
SUF	ROUTE 272	ROUTE 189	ROUTE 58					1,486	10/21 - 10/22	V							1,462	8/15 - 8/16	V				1,462
SUF	ROUTE 616	ROUTE 58	WHALEYVILLE BLVD					227	9/10 - 9/11	V							254	8/15 - 8/16	V				254
SUF	ROUTE 616	WHALEYVILLE BLVD	CAROLINA RD														125	9/27 - 9/28	V				125
SUF	RURITAN BLVD (BUS RTE 58)	ISLE OF WIGHT CL	RTE 189 (HOLLAND RD BUS)					2,270	10/21 - 10/22	V							1,890	10/24 - 10/26	V				1,890
SUF	SHOULDERS HILL RD	NANSEMOND PKWY	PUGHSVILLE RD		6,537	5/30 - 6/5	C	8,319	10/7 - 10/8	V							8,953	9/20 - 9/21	V				8,953
SUF	SHOULDERS HILL RD	PUGHSVILLE RD	BRIDGE RD		14,260	5/8 - 5/14	C	12,368	10/7 - 10/8	V							13,531	9/20 - 9/21	V				13,531
SUF	SOUTHWEST SUFFOLK BYPASS	HOLLAND RD	CAROLINA RD	NB	6,090	10/29 - 10/31	C	5,725	11/5 - 11/6	V							5,855	6/8	C				5,855
				SB	6,327	10/29 - 10/31	C	6,075	11/5 - 11/6	V							5,823	6/8	C				5,823
SUF	SUFFOLK BYPASS	HOLLAND RD	PITCHKETTLE RD	EB				18,581	9/10 - 9/11	V							20,523	9/27 - 9/28	V				20,523
				WB				18,542	9/10 - 9/11	V							20,358	9/27 - 9/28	V				20,358
SUF	SUFFOLK BYPASS	PITCHKETTLE RD	PRUDEN BLVD	EB				19,592	9/10 - 9/11	V							21,560	9/27 - 9/28	V				21,560
				WB				19,972	9/10 - 9/11	V							21,496	9/27 - 9/28	V				21,496
SUF	SUFFOLK BYPASS	PRUDEN BLVD	GODWIN BLVD	EB													26,411	9/27 - 9/28	V				26,411
				WB													26,589	9/27 - 9/28	V				26,589
SUF	SUFFOLK BYPASS	GODWIN BLVD	WILROY RD	EB				30,007	10/1 - 10/2	V							32,689	9/27 - 9/28	V				32,689
				WB				29,628	10/1 - 10/2	V							32,177	9/27 - 9/28	V				32,177
SUF	SUFFOLK BYPASS	WILROY RD	ROUTES 13/58/460	EB				25,141	10/1 - 10/2	V							28,040	4/18 - 4/19	C				28,040
				WB				24,819	10/1 - 10/2	V							27,143	4/18 - 4/19	C				27,143
SUF	TOWN POINT RD	PUGHSVILLE RD	BRIDGE RD					1,297	10/1 - 10/2	V							1,308	9/12 - 9/14	V				1,308
SUF	WASHINGTON ST	W CONSTANCE RD	SARATOGA ST		7,314	4/17	C	8,218	5/28 - 5/29	C							7,758	10/10 - 10/12	V				7,758
SUF	WASHINGTON ST	SARATOGA ST	MAIN ST		7,314	4/17	C	8,218	5/28 - 5/29	C							7,758	10/10 - 10/12	V				7,758
SUF	WASHINGTON ST	MAIN ST	PINNER ST					8,876	5/28 - 5/29	C							7,429	10/10 - 10/12	V				7,429
SUF	WASHINGTON ST	PINNER ST	PORTSMOUTH BLVD		11,387	4/17 - 4/18	C	10,648	9/23 - 9/24	V							12,268	10/10 - 10/12	V				12,268
SUF	WESTERN FWY	BRIDGE RD	I-664	EB				8,295	10/1 - 10/2	V							10,112	9/13 - 9/14	V				10,112
				WB				13,849	10/1 - 10/2	V							16,909	9/13 - 9/14	V				16,909
SUF	WESTERN FWY	I-664	COLLEGE DR	EB				22,741	10/1 - 10/2	V							25,206	9/13 - 9/14	V				25,206
				WB				21,861	10/1 - 10/2	V							24,751	9/13 - 9/14	V				24,751

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
SUF	WESTERN FWY	COLLEGE DR	PORTSMOUTH CL	EB	25,985	1/1 - 12/31	V	25,782	1/1 - 12/31	V	27,364	1/1 - 12/31	V	28,540	1/1 - 12/31	V	27,853	1/1 - 12/31	V	28,774	1/1 - 12/31	V	28,774
				WB	26,305	1/1 - 12/31	V	25,899	1/1 - 12/31	V	27,209	1/1 - 12/31	V	28,310	1/1 - 12/31	V	30,713	1/1 - 12/31	V	30,753	1/1 - 12/31	V	30,753
SUF	WHALEYVILLE BLVD	NC STATE LINE	RTE 616 (MINERAL SPRING RD)		4,614	1/1 - 12/31	V	4,597	1/1 - 12/31	V	4,865	1/1 - 12/31	V	5,117	1/1 - 12/31	V	5,257	1/1 - 12/31	V	5,327	1/1 - 12/31	V	5,327
SUF	WHALEYVILLE BLVD	RTE 616 (MINERAL SPRING RD)	RTE 677 (GREAT FORK RD)														8,088	10/4 - 10/5	V				8,088
SUF	WHALEYVILLE BLVD	RTE 677 (GREAT FORK RD)	RTE 675 (CYPRESS CHAPEL RD)					7,253	9/16 - 9/17	V							8,088	10/4 - 10/5	V				8,088
SUF	WHALEYVILLE BLVD	RTE 675 (CYPRESS CHAPEL RD)	RTE 759 (BABBTOWN RD)					8,585	9/16 - 9/17	V							9,053	5/16 - 5/17	C				9,053
SUF	WHALEYVILLE BLVD	RTE 759 (BABBTOWN RD)	RTE 32 (CAROLINA RD)					10,324	4/2 - 4/3	C							9,446	10/11 - 10/12	V				9,446
SUF	WILROY RD	CONSTANCE RD	SUFFOLK BYPASS					5,386	10/21 - 10/22	V							6,316	9/20 - 9/21	V				6,316
SUF	WILROY RD	SUFFOLK BYPASS	NANSEMOND PKWY					8,502	10/21 - 10/22	V							9,864	9/20 - 9/21	V				9,864
SUR	ROUTE 10	PRINCE GEORGE CL	ROUTE 40								1,817	1/20 - 1/22	V							1,684	2/6 - 2/7	V	1,684
SUR	ROUTE 10	ROUTE 40	ROUTE 31 (SOUTH)		2,446	1/1 - 12/31	V	2,667	1/1 - 12/31	V	2,463	1/1 - 12/31	V	2,504	1/1 - 12/31	V	2,611	1/1 - 12/31	V	2,589	1/1 - 12/31	V	2,589
SUR	ROUTES 10/31	ROUTE 31 (SOUTH)	ROUTE 31 (NORTH)								4,788	1/20 - 1/22	V							5,015	2/7 - 2/8	V	5,015
SUR	ROUTE 10	ROUTE 31 (NORTH)	ROUTE 617																	5,141	2/7 - 2/8	V	5,141
SUR	ROUTE 10	ROUTE 617	ISLE OF WIGHT CL								3,721	1/20 - 1/22	V							4,092	2/7 - 2/8	V	4,092
SUR	ROUTE 31	SUSSEX CL	ROUTE 630								1,601	1/20 - 1/22	V										1,601
SUR	ROUTE 31	ROUTE 630	ROUTE 10 (SOUTH)																	1,460	2/6 - 2/7	V	1,460
SUR	ROUTE 31	ROUTE 10 (NORTH)	JAMESTOWN-SCOTLAND FERRY																	1,899	2/7 - 2/8	V	1,899
SUR	ROUTE 40	SUSSEX CL	ROUTE 615								993	1/20 - 1/22	V							962	2/6 - 2/7	V	962
SUR	ROUTE 40	ROUTE 615	ROUTE 10								855	1/20 - 1/22	V							799	2/6 - 2/7	V	799
VB	21ST ST	PARKS AVE	PACIFIC AVE		9,494	7/30 - 8/1	C	10,946	7/29 - 8/7	C	10,522	8/11 - 8/12	C	9,457	6/28 - 6/29	C	9,599	1/1 - 12/31	C	8,084	1/1 - 12/31	C	8,084
VB	21ST ST	PACIFIC AVE	ATLANTIC AVE					2,450	10/2	C	4,098	7/14 - 7/15	V							3,822	7/18 - 7/19	C	3,822
VB	22ND ST	PARKS AVE	PACIFIC AVE		9,023	7/30 - 8/1	C	10,748	7/30 - 8/7	C	9,583	8/11 - 8/12	C	9,096	6/28 - 6/29	C	9,116	1/1 - 12/31	C	9,337	1/1 - 12/31	C	9,337
VB	22ND ST	PACIFIC AVE	ATLANTIC AVE		3,408	8/14 - 8/15	C	3,241	7/22 - 7/24	C	4,173	8/4 - 8/6	C	4,113	7/12 - 7/13	C	3,228	6/20 - 6/22	C	4,127	7/5	C	4,127
VB	30TH ST	LASKIN RD	PACIFIC AVE		6,976	7/24 - 7/25	C				6,225	8/12 - 8/13	C	4,464	6/15 - 6/16	C	4,285	6/27 - 6/29	C	4,055	6/20 - 6/21	C	4,055
VB	30TH ST	PACIFIC AVE	ATLANTIC AVE								1,103	10/7 - 10/9	C	3,996	8/16	C	3,111	7/19 - 7/20	C				3,111
VB	ATLANTIC AVE	FORT STORY	83RD ST					4,090	7/22	C	5,829	7/21 - 7/23	C	3,252	6/22 - 6/23	C	3,379	6/13 - 6/14	C	2,958	5/30 - 5/31	C	2,958
VB	ATLANTIC AVE	83RD ST	PACIFIC AVE		20,979	7/30 - 8/1	C	18,445	7/9 - 7/10	C	20,080	7/14 - 7/15	C	21,266	7/19 - 7/20	C	18,575	7/18 - 7/20	C	19,246	7/24 - 7/26	C	19,246
VB	ATLANTIC AVE	PACIFIC AVE	LASKIN RD		4,668	8/15	C	4,790	7/22 - 8/7	C	4,836	8/11 - 8/13	C	5,117	7/20 - 7/21	C	5,686	7/12 - 7/13	C	5,510	7/17 - 7/18	C	5,510
VB	ATLANTIC AVE	LASKIN RD	22ND ST					7,322	8/12 - 8/13	C	8,399	8/4 - 8/6	C				8,705	7/12 - 7/13	C	8,057	7/17 - 7/18	C	8,057
VB	ATLANTIC AVE	22ND ST	21ST ST					7,322	8/12 - 8/13	C	8,399	8/4 - 8/6	C				8,705	7/12 - 7/13	C	8,521	10/13 - 10/14	C	8,521
VB	ATLANTIC AVE	21ST ST	VA BEACH BLVD		8,551	8/14	C	7,322	8/12 - 8/13	C	7,213	8/19 - 9/16	V							7,964	8/8 - 8/9	V	7,964
VB	ATLANTIC AVE	VA BEACH BLVD	5TH ST		7,315	8/14 - 8/15	C	6,761	7/15 - 7/17	C	7,083	8/4 - 8/6	C	8,753	7/13	C	7,244	7/26 - 7/27	C	6,846	7/17 - 7/18	C	6,846
VB	BAXTER RD	PRINCESS ANNE RD	INDEPENDENCE BLVD		23,288	4/17 - 4/18	C	24,105	6/3 - 6/5	C	29,365	12/8 - 12/10	C	27,403	4/26 - 4/27	C	22,659	1/1 - 12/31	C				22,659
VB	BIRDNECK RD	GENERAL BOOTH BLVD	NORFOLK AVE		15,315	6/18 - 6/25	C	15,502	7/8 - 7/17	C	16,483	8/4	C	14,155	5/25 - 5/26	C	13,812	6/7 - 6/8	C	15,798	6/13 - 6/14	C	15,798
VB	BIRDNECK RD	NORFOLK AVE	VA BEACH BLVD																	20,000		E	20,000
VB	BIRDNECK RD	VA BEACH BLVD	I-264		28,096	4/16 - 4/18	C	29,387	9/30 - 10/1	C	33,752	7/28 - 7/30	C	27,067	9/13 - 9/14	C	33,668	7/12 - 7/13	C	27,986	8/28 - 8/29	C	27,986
VB	BIRDNECK RD	I-264	LASKIN RD		21,485	1/1 - 12/31	C	22,241	1/1 - 12/31	C	22,680	1/1 - 12/31	C	24,030	1/1 - 12/31	C	24,071	1/1 - 12/31	C	23,959	1/1 - 12/31	C	23,959
VB	BLACKWATER RD	PUNGO FERRY RD	CHESAPEAKE CL		2,681	11/12 - 11/13	C	2,800	9/30 - 10/2	C	2,651	8/12 - 8/13	V	2,661	3/9 - 3/10	C	2,627	2/28 - 3/1	C	2,816	3/14	C	2,816
VB	BONNEY RD	INDEPENDENCE BLVD	ROSEMONT RD		16,570	4/23 - 4/25	C	15,639	4/10	C	15,317	5/5 - 5/6	C	15,601	4/19 - 4/21	C	15,436	4/19 - 4/20	C	14,752	5/8 - 5/9	C	14,752
VB	CENTERVILLE TNPK	CHESAPEAKE CL	LYNNHAVEN PKWY		13,227	12/3 - 12/5	C	13,447	11/4 - 11/6	C							13,148	1/24 - 1/26	C				13,148
VB	CENTERVILLE TNPK	LYNNHAVEN PKWY	KEMPSVILLE RD								19,493	6/23 - 6/24	V							17,617	6/26 - 6/27	V	17,617
VB	CENTERVILLE TNPK	KEMPSVILLE RD	JAKE SEARS RD		19,856	1/1 - 12/31	C	18,330	1/1 - 5/2	C										20,319	2/7 - 2/8	C	20,319
VB	CENTERVILLE TNPK	JAKE SEARS RD	INDIAN RIVER RD		19,856	1/1 - 12/31	C	18,330	1/1 - 5/2	C										20,319	2/7 - 2/8	C	20,319
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	SHORE DR	TOLL PLAZA		7,850	1/1 - 12/31	T	8,005	1/1 - 12/31	T	8,500	1/1 - 12/31	T	8,959	1/1 - 12/31	T	8,916	1/1 - 12/31	T	8,925	1/1 - 12/31	T	8,925
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	TOLL PLAZA	NCL VA BEACH		7,850	1/1 - 12/31	T	8,005	1/1 - 12/31	T	8,500	1/1 - 12/31	T	8,959	1/1 - 12/31	T	8,916	1/1 - 12/31	T	8,925	1/1 - 12/31	T	8,925
VB	CLEVELAND ST	WITCHDUCK RD	KELLAM RD		7,520	8/27 - 8/28	C							9,893	9/13 - 9/15	C	8,902	9/20 - 9/21	C	10,066	9/11 - 9/12	C	10,066
VB	COLUMBUS ST	KELLAM RD	INDEPENDENCE BLVD		8,252	10/2 - 10/3	C	8,563	8/13 - 8/14	C	11,181	8/11 - 9/24	C	11,030	9/7 - 9/8	C	10,957	8/29 - 8/31	C	11,660	9/5 - 9/6	C	11,660
VB	COLUMBUS ST	INDEPENDENCE BLVD	CONSTITUTION DR		11,059	9/10 - 9/11	C	11,026	8/13 - 10/2	C	12,522	9/15 - 9/16	C	12,261	9/7 - 9/8	C	12,297	8/29 - 8/31	C	12,340	9/5 - 9/6	C	12,340
VB	CONSTITUTION DR	BONNEY RD	COLUMBUS ST																	6,318	9/11 - 9/12	C	6,318
VB	CONSTITUTION DR	COLUMBUS ST	VIRGINIA BEACH BLVD					7,733	10/10	C	7,669	9/15 - 9/17	C	8,352	9/7 - 9/8	C	7,676	8/29 - 8/31	C	7,608	9/11 - 9/12	C	7,608
VB	DAM NECK RD	SALEM RD	VA BEACH AMPHITHEATER		13,247	12/12	C	13,795	11/20	C	14,087	12/1 - 12/8	C	15,229	3/23 - 3/24	C	15,084	2/7	C	14,131	2/14 - 2/15	C	14,131
VB	DAM NECK RD	VA BEACH AMPHITHEATER	PRINCESS ANNE RD		16,093	4/22	C	18,076	4/1 - 4/2	C	17,968	3/31 - 4/1	C	19,781	3/23 - 3/24	C	20,413	3/28 - 3/30	C	20,740	4/11 - 4/12	C	20,740
VB	DAM NECK RD	PRINCESS ANNE RD	ROSEMONT RD		40,774	3/13 - 3/14	C	38,239	2/27 - 3/18	C	35,183	1/1 - 12/31	C	37,723	1/1 - 12/31	C				41,410	3/6 - 3/7	C	41,410
VB	DAM NECK RD	ROSEMONT RD	HOLLAND RD		40,774	3/13 - 3/14	C	38,239	2/27 - 3/18	C	35,183	1/1 - 12/31	C	37,723	1/1 - 12/31	C				41,410	3/6 - 3/7	C	41,410
VB	DAM NECK RD	HOLLAND RD	DRAKESMILE RD		37,919	9/10	C	41,032	10/14 - 10/16	C	37,606	1/1 - 12/31	C	39,353	1/1 - 12/31	C				38,915	3/20 - 3/22	C	38,915
VB	DAM NECK RD	DRAKESMILE RD	LONDON BRIDGE RD		45,209	1/1 - 12/31	C	44,024	1/1 - 12/31	C	42,714	1/1 - 12/31	C							42,358	4/19 - 8/8	C	42,358

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Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
VB	DAM NECK RD	LONDON BRIDGE RD	HARPERS RD		29,633	9/10 - 9/12	C	29,582	10/14 - 10/16	C	28,619	11/3 - 11/5	C	28,636	11/2 - 11/3	C	27,942	11/7 - 11/8	C	28,867	9/11	C	28,867
VB	DAM NECK RD	HARPERS RD	GENERAL BOOTH BLVD		23,230	1/1 - 12/31	C	22,508	1/1 - 12/31	C	22,102	1/1 - 12/31	C	22,637	1/1 - 12/31	C	22,340	1/1 - 12/31	C	22,276	1/1 - 12/31	C	22,276
VB	DAM NECK RD	GENERAL BOOTH BLVD	UPTON DR		33,224	7/30 - 8/1	C	33,532	6/11 - 6/12	C	32,797	9/8 - 9/23	C	34,212	1/1 - 12/31	C	34,430	1/1 - 12/31	C	34,890	1/1 - 12/31	C	34,890
VB	DAM NECK RD	UPTON DR	USN TRAINING CENTER		22,960	6/18 - 6/20	C	20,512	8/20 - 8/26	C	21,410	6/24 - 6/25	C	20,826	5/24 - 5/26	C	21,217	5/17 - 5/18	C	22,041	6/5 - 6/7	C	22,041
VB	DIAMOND SPRINGS RD	NEWTOWN RD	WESLEYAN RD		22,566	11/19 - 11/21	C	23,042	10/21 - 10/23	C	24,293	11/17	C	23,674	10/18 - 10/19	C	27,276	10/4 - 10/5	C	23,488	10/10 - 10/11	C	23,488
VB	DIAMOND SPRINGS RD	WESLEYAN RD	NORTHAMPTON BLVD		20,840	11/19 - 11/21	C	21,460	10/21 - 10/23	C	21,843	10/20 - 10/22	C	21,826	10/18 - 10/19	C	21,388	11/7 - 11/9	C	21,557	10/10 - 10/11	C	21,557
VB	DIAMOND SPRINGS RD	NORTHAMPTON BLVD	SHORE DR		28,006	12/17 - 12/19	C	28,600	10/21 - 10/23	C	28,138	11/17 - 11/18	C	29,582	10/18 - 10/19	C	29,192	11/7 - 11/8	C	29,683	7/10 - 7/11	V	29,683
VB	DRAKESMILE RD	DAM NECK RD	SHIPPS CORNER RD		26,599	2/12 - 2/14	C	21,346	1/16	C	25,004	4/21 - 4/23	C	23,042	12/21 - 12/22	C	21,159	1/25	C	19,169	1/23 - 1/24	C	19,169
VB	ELBOW RD	CHESAPEAKE CL	INDIAN RIVER RD (WEST)		8,802	3/26	C	8,658	1/8 - 1/16	C	9,669	3/24 - 4/2	C	10,475	3/15 - 3/16	C	8,678	3/21 - 3/22	C	10,530	3/28 - 3/29	C	10,530
VB	ELBOW RD/INDIAN RIVER RD	INDIAN RIVER RD (WEST)	INDIAN RIVER RD (EAST)					12,485	1/6	C	15,892	10/21 - 10/27	C	16,159	3/15 - 3/16	C	15,465	3/8 - 3/9	C	16,459	3/28 - 3/29	C	16,459
VB	ELBOW RD	INDIAN RIVER RD (EAST)	SALEM RD		11,513	3/27 - 3/28	C	11,396	2/11	C	12,239	3/24 - 4/2	C	13,045	3/15 - 3/16	C	12,903	3/8 - 3/9	C	13,429	3/28 - 3/29	C	13,429
VB	FERRELL PKWY	INDIAN RIVER RD	INDIAN LAKES BLVD		47,535	12/17 - 12/19	C	51,265	12/3 - 12/4	C	46,632	12/9	C	52,024	10/25	C	42,968	11/21 - 11/22	C	48,225	11/7 - 11/8	C	48,225
VB	FERRELL PKWY	INDIAN LAKES BLVD	PLEASANT VALLEY RD		40,870	12/5 - 12/12	C	42,390	12/3 - 12/4	C	44,520	9/1 - 9/2	V	44,621	10/25 - 10/26	C	49,737	11/21 - 11/22	C	41,143	11/7 - 11/8	C	41,143
VB	FERRELL PKWY	PLEASANT VALLEY RD	PRINCESS ANNE RD		42,393	3/19 - 3/21	C	38,956	1/8 - 1/16	C	42,010	2/12	C	44,261	3/2 - 3/3	C	50,725	3/21 - 3/22	C	41,571	3/27 - 3/28	C	41,571
VB	FIRST COLONIAL RD	VA BEACH BLVD	I-264								31,011	9/2 - 9/3	V							33,238	7/17	V	33,238
VB	FIRST COLONIAL RD	I-264	LASKIN RD		38,884	5/21 - 5/23	C	37,971	5/28 - 6/5	C	39,111	5/26 - 5/28	C	36,937	5/3 - 5/4	C	35,523	3/16 - 8/30	C				35,523
VB	FIRST COLONIAL RD	LASKIN RD	OLD DONATION PKWY		40,362	5/21 - 5/23	C	40,230	5/28 - 6/5	C	40,852	5/26 - 5/28	C	38,238	5/3 - 5/4	C	38,791	5/9 - 5/11	C	39,084	5/15 - 5/17	C	39,084
VB	FIRST COLONIAL RD	OLD DONATION PKWY	GREAT NECK RD		19,007	5/21 - 5/23	C	18,898	5/28 - 6/5	C	19,449	5/26 - 5/28	C	18,238	5/10 - 5/12	C	18,398	5/9 - 5/11	C	17,409	5/15 - 5/17	C	17,409
VB	GENERAL BOOTH BLVD	PRINCESS ANNE RD	NIMMO PKWY								38,789	7/14 - 7/16	V										38,789
VB	GENERAL BOOTH BLVD	NIMMO PKWY	LONDON BRIDGE RD		39,228	6/18 - 6/20	C	39,086	12/18	C				31,630	10/6 - 12/31	C	32,766	1/1 - 12/31	C	35,067	1/1 - 10/10	C	35,067
VB	GENERAL BOOTH BLVD	LONDON BRIDGE RD	DAM NECK RD		29,299	6/18 - 6/20	C	32,180	8/20 - 8/26	C	31,924	6/24 - 6/25	C	32,769	5/25 - 5/26	C	36,259	5/31 - 6/1	C	31,079	6/12 - 6/13	C	31,079
VB	GENERAL BOOTH BLVD	DAM NECK RD	OCEANA BLVD/PROSPERITY RD		53,939	8/5 - 8/7	C	51,979	12/17 - 12/18	C	51,440	1/1 - 12/31	C	50,808	1/1 - 12/31	C				55,462	7/17 - 8/1	C	55,462
VB	GENERAL BOOTH BLVD	OCEANA BLVD/PROSPERITY RD	BIRDNECK RD		29,141	6/18 - 6/20	C	28,282	8/20 - 8/21	C	28,637	7/28 - 7/30	C	28,466	7/12 - 7/13	C	30,406	7/5 - 7/6	C	28,143	7/5	C	28,143
VB	GENERAL BOOTH BLVD	BIRDNECK RD	HARBOUR POINT		17,733	7/2	C	17,049	6/4 - 6/5	C	20,169	7/23 - 7/29	C	19,421	7/12 - 7/13	C	18,588	7/6	C	14,323	4/24 - 4/26	C	14,323
VB	GREAT NECK RD	VA BEACH BLVD	OLD DONATION PKWY					40,607	7/8 - 7/9	C				40,802	5/17 - 5/18	C	41,046	9/26 - 12/31	C	39,896	1/1 - 12/31	C	39,896
VB	GREAT NECK RD	OLD DONATION PKWY	FIRST COLONIAL RD		37,499	6/4 - 6/6	C	35,361	6/4 - 6/10	C	32,833	7/7 - 7/9	C	34,427	5/17 - 5/18	C	36,385	6/13 - 6/15	C				36,385
VB	GREAT NECK RD	FIRST COLONIAL RD	SHOREHAVEN RD		42,646	6/5 - 6/6	C	39,990	10/14	C	40,590	7/7 - 7/9	C	41,049	5/17 - 5/19	C	37,288	9/12 - 12/31	C	34,608	1/1 - 12/31	C	34,608
VB	GREAT NECK RD	SHOREHAVEN RD	SHORE DR		36,858	6/4 - 6/6	C	38,868	6/4 - 6/10	C	35,673	7/7 - 7/8	C	42,525	5/24 - 5/26	C	37,834	6/13 - 6/15	C	40,564	5/30 - 5/31	C	40,564
VB	HARPERS RD	DAM NECK RD	OCEANA BLVD		10,441	12/18 - 12/19	C	9,440	11/20	C	7,917	8/12 - 8/13	C	6,192	1/27 - 1/28	C	6,691	1/31 - 2/1	C	6,666	1/23 - 1/24	C	6,666
VB	HAYGOOD RD	NEWTOWN RD	WESLEYAN DR		7,632	10/29 - 10/31	C	7,221	10/20 - 10/22	C	10,018	10/20 - 10/22	C	7,604	10/19 - 10/20	C	7,358	10/4 - 10/5	C	9,348	10/10 - 10/11	C	9,348
VB	HAYGOOD RD	WESLEYAN DR	INDEPENDENCE BLVD		18,676	9/18 - 9/19	C	19,549	10/28 - 10/30	C	18,840	9/29 - 10/1	C	21,159	10/19 - 10/20	C	20,081	11/7 - 11/9	C	20,720	10/16	C	20,720
VB	HOLLAND RD	INDEPENDENCE BLVD	SOUTH PLAZA TRAIL		43,540	4/29	C	41,228	4/23 - 4/24	C	41,673	5/5 - 5/7	C	44,172	4/5 - 4/6	C	42,499	3/14 - 3/16	C	39,644	4/17 - 4/19	C	39,644
VB	HOLLAND RD	SOUTH PLAZA TRAIL	ROSEMONT RD		39,379	4/23 - 4/25	C	39,316	4/23 - 4/24	C	38,304	5/26 - 5/27	C	37,227	4/5 - 4/6	C	35,980	11/29 - 11/30	C	40,385	8/28 - 8/29	C	40,385
VB	HOLLAND RD	ROSEMONT RD	LYNNHAVEN PKWY		30,120	1/1 - 12/31	C	29,399	1/1 - 12/31	C	29,571	1/1 - 12/31	C										29,571
VB	HOLLAND RD	LYNNHAVEN PKWY	DAM NECK RD		26,570	1/10 - 1/15	C	34,227	4/23 - 4/24	C	34,866	5/5 - 5/7	C	35,898	4/5 - 4/6	C	31,719	3/7 - 3/9	C	32,909	4/17	C	32,909
VB	HOLLAND RD	DAM NECK RD	NIMMO PKWY		14,450	8/13 - 8/14	C				16,961	1/1 - 12/31	C	16,764	1/1 - 12/31	C							16,764
VB	HOLLAND RD	NIMMO PKWY	PRINCESS ANNE RD		11,990	4/23 - 4/25	C	11,466	3/27	C	5,671	5/6 - 5/7	C	4,048	3/1 - 3/2	C	3,743	3/22 - 3/23	C	3,845	12/19 - 12/20	C	3,845
VB	I-64	NORFOLK CL	INDIAN RIVER RD	EB	75,076	1/1 - 12/31	V	75,688	1/1 - 12/31	V	76,538	1/1 - 12/31	V	79,622	1/1 - 12/31	V	80,543	1/1 - 12/31	V	79,645	1/1 - 12/31	V	79,645
				WB	72,921	1/1 - 12/31	V	73,302	1/1 - 12/31	V	74,451	1/1 - 12/31	V	77,910	1/1 - 12/31	V	77,358	1/1 - 12/31	V	76,371	1/1 - 12/31	V	76,371
VB	I-64	INDIAN RIVER RD	CHESEAPEAKE CL	EB																75,898	8/7 - 8/8	V	75,898
				WB	65,757	1/1 - 12/31	V	67,927	1/1 - 12/31	V	68,604	1/1 - 12/31	V	69,253	1/1 - 12/31	V	71,686	1/1 - 12/31	V	75,117	8/7 - 8/8	V	75,117
VB	I-264	NEWTOWN RD/ECL NORFOLK	WITCHDUCK RD	EB							99,420	1/1 - 8-19	V										99,420
				WB							106,706	8/18 - 8/19	V										106,706
VB	I-264	WITCHDUCK RD	INDEPENDENCE BLVD	EB	100,693	1/1 - 12/31	V				100,158	8/18 - 8/19	V							104,091	8/28 - 8/29	V	104,091
				WB	101,266	1/1 - 12/31	V				100,158	8/18 - 8/19	V							104,595	8/28 - 8/29	V	104,595
VB	I-264	INDEPENDENCE BLVD	ROSEMONT RD	EB							82,222	8/18 - 8/19	V	83,593	1/1 - 8/11	V	83,691	3/31 - 12/31	V	81,025	1/1 - 12/31	V	81,025
				WB							83,276	8/18 - 8/19	V	83,612	1/1 - 8/11	V	85,339	3/31 - 12/31	V	82,909	1/1 - 12/31	V	82,909
VB	I-264	ROSEMONT RD	LYNNHAVEN PKWY	EB	70,007	1/1 - 12/31	O				74,501	6/23 - 12/31	V	75,829	1/1 - 12/31	V	76,045	1/1 - 12/31	V	75,053	1/1 - 12/31	V	75,053
				WB	72,096	1/1 - 12/31	V				75,281	7/2 - 12/31	V	77,331	1/1 - 12/31	V	77,823	1/1 - 12/31	V	77,412	1/1 - 12/31	V	77,412
VB	I-264	LYNNHAVEN PKWY	LONDON BRIDGE RD	EB							72,617	8/12	V	56,738	1/1 - 8/11	V	57,425	3/31 - 12/31	V	68,724	8/21 - 8/22	V	68,724
				WB							72,804	8/11 - 8/12	V	56,924	1/1 - 8/11	V	58,403	3/31 - 12/31	V	69,934	8/21 - 8/22	V	69,934
VB	I-264	LONDON BRIDGE RD	LASKIN RD	EB				51,020	1/1 - 12/31	V										57,516	8/14 - 8/15	V	57,516
				WB				52,800	1/1 - 12/31	V										60,980	8/14 - 8/15	V	60,980
VB	I-264	LASKIN RD	FIRST COLONIAL RD	EB	28,270	1/1 - 12/31	O				37,787	8/11 - 8/12	V	35,272	1/1 - 8/11	V	35,452	3/31 - 12/31	V	33,542	1/1 - 12/31	V	33,542
				WB	36,256	1/1 - 12/31	O				42,293	8/11 - 8/12	V	40,234	1/1 - 8/11	V	41,342	3/31 - 12/31	V	39,293	1/1 - 12/31	V	39,293
VB	I-264	FIRST COLONIAL RD	S.E. PARKWAY CORRIDOR	EB				25,638	1/1 - 12/31	V	25,179	1/1 - 8/12	V	29,424	1/1 - 8/11	V	29,736	3/31 - 12/31	V	27,668	1/1 - 12/31	V	27,668
				WB				26,171	1/1 - 12/31	V	26,383	1/1 - 8/12	V	29,944	1/1 - 8/11	V	30,359	3/31 - 12/31	V	28,511	1/1 - 12/31	V	28,511

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
VB	I-264	S.E. PARKWAY CORRIDOR	BIRDNECK RD	EB				25,638	1/1 - 12/31	V	25,179	1/1 - 8/12	V	29,424	1/1 - 8/11	V	29,736	3/31 - 12/31	V	27,668	1/1 - 12/31	V	27,668
				WB				26,171	1/1 - 12/31	V	26,383	1/1 - 8/12	V	29,944	1/1 - 8/11	V	30,359	3/31 - 12/31	V	28,511	1/1 - 12/31	V	28,511
VB	I-264	BIRDNECK RD	PARKS AVE	EB				11,804	1/1 - 12/31	V	10,780	1/1 - 8/12	V	14,442	1/1 - 8/11	V	14,551	3/31 - 12/31	V	13,384	1/1 - 12/31	V	13,384
				WB				11,062	1/1 - 12/31	V	13,434	1/1 - 8/12	V							15,742	8/14 - 8/15	V	15,742
VB	INDEPENDENCE BLVD	INDIAN RIVER RD	SALEM RD					6,339	1/15 - 1/16	C				8,117	3/15 - 3/16	C	8,075	3/21 - 3/22	C	6,332	3/27 - 3/28	C	6,332
VB	INDEPENDENCE BLVD	SALEM RD	PRINCESS ANNE RD		15,636	11/21	C	16,679	11/4 - 11/6	C				20,540	11/16 - 11/17	C	17,565	10/18 - 10/19	C	17,225	10/31 - 11/1	C	17,225
VB	INDEPENDENCE BLVD	PRINCESS ANNE RD	LYNNHAVEN PKWY		28,362	4/30 - 5/2	C	27,324	4/29 - 5/1	C	25,464	1/1 - 12/31	C	26,902	1/1 - 12/31	C	27,148	1/1 - 12/31	C	26,107	1/1 - 12/31	C	26,107
VB	INDEPENDENCE BLVD	LYNNHAVEN PKWY	PLAZA TRAIL		30,662	11/13 - 11/14	C	36,718	11/4 - 11/6	C	31,972	12/8 - 12/10	C	33,794	11/16 - 11/17	C	33,625	10/18 - 10/19	C	33,029	10/31 - 11/1	C	33,029
VB	INDEPENDENCE BLVD	PLAZA TRAIL	HOLLAND RD		36,662	11/13 - 11/14	C	37,251	10/7	C				31,314	10/27 - 12/31	C	30,095	1/1 - 12/31	C	28,887	1/1 - 12/31	C	28,887
VB	INDEPENDENCE BLVD	HOLLAND RD	BAXTER RD		76,059	5/1 - 5/2	C	78,520	7/1	C	79,892	4/22 - 4/23	C	86,344	4/7 - 4/13	C	72,296	12/12 - 12/14	C	71,825	5/1 - 5/3	C	71,825
VB	INDEPENDENCE BLVD	BAXTER RD	I-264																	89,000		E	89,000
VB	INDEPENDENCE BLVD	I-264	BONNEY RD																	97,000		E	97,000
VB	INDEPENDENCE BLVD	BONNEY RD	COLUMBUS ST		79,444	12/17 - 12/19	C	83,856	12/16 - 12/18	C				78,206	11/10 - 12/31	C	75,749	1/1 - 12/31	C	77,545	1/1 - 12/31	C	77,545
VB	INDEPENDENCE BLVD	COLUMBUS ST	VA BEACH BLVD		60,368	11/20 - 11/21	C	63,213	10/21 - 10/23	C				62,952	11/16 - 11/17	C	61,461	11/7 - 11/9	C	58,042	11/13 - 11/15	C	58,042
VB	INDEPENDENCE BLVD	VA BEACH BLVD	JEANNE ST		54,140	1/1 - 12/31	V	52,077	1/1 - 12/31	V	52,593	1/1 - 12/31	V	52,930	1/1 - 7/14	V	53,496	11/28 - 12/31	V	53,278	1/1 - 12/31	V	53,278
VB	INDEPENDENCE BLVD	JEANNE ST	PEMBROKE BLVD		54,140	1/1 - 12/31	V	52,077	1/1 - 12/31	V	52,593	1/1 - 12/31	V	52,930	1/1 - 7/14	V	53,496	11/28 - 12/31	V	53,278	1/1 - 12/31	V	53,278
VB	INDEPENDENCE BLVD	PEMBROKE BLVD	HAYGOOD RD		51,772	9/25 - 10/1	C	46,870	9/2 - 9/3	C	47,894	11/17 - 11/19	C	53,272	10/26 - 10/27	C	45,304	11/7 - 11/8	C	47,798	6/19 - 6/21	V	47,798
VB	INDEPENDENCE BLVD	HAYGOOD RD	NORTHAMPTON BLVD		42,198	9/25 - 10/1	C	40,757	9/2 - 9/3	C	41,421	11/17 - 11/18	C	43,011	10/26 - 10/27	C	39,652	11/1 - 11/2	C	39,027	10-30 - 11/1	C	39,027
VB	INDEPENDENCE BLVD	NORTHAMPTON BLVD	SHORE DR		24,783	10/23 - 10/24	C	23,352	9/2 - 9/3	C	24,009	11/17	C	24,352	10/26 - 10/27	C	23,539	11/30	C	23,949	10/30 - 11/1	C	23,949
VB	INDIAN LAKES BLVD	FERRELL PKWY	INDIAN RIVER RD		12,208	3/19 - 3/21	C	11,737	3/11 - 3/20	C	12,149	3/10 - 3/12	C	11,976	3/2 - 3/3	C	11,854	3/7 - 3/8	C	12,441	3/1	C	12,441
VB	INDIAN RIVER RD	CHESAPEAKE CL	MILITARY HWY		31,583	2/5 - 2/7	C	29,636	2/19 - 2/20	C	28,938	6/9 - 6/10	C	30,272	3/15 - 3/16	C	25,641	11/29 - 11/30	C	28,027	3/20 - 3/21	C	28,027
VB	INDIAN RIVER RD	MILITARY HWY	PROVIDENCE RD		31,412	1/30 - 1/31	C	31,240	3/18 - 3/20	C	30,965	6/9 - 6/10	C	34,514	2/10 - 2/11	C	26,365	3/21 - 12/31	C	25,916	1/1 - 6/7	C	25,916
VB	INDIAN RIVER RD	PROVIDENCE RD	I-64		39,922	2/19 - 2/21	C	39,503	12/10 - 12/16	C	40,041	6/9 - 6/10	C	40,043	12/15	C	34,560	2/21 - 2/23	C	48,460	10/23 - 10/24	V	48,460
VB	INDIAN RIVER RD	I-64	CENTERVILLE TNPK		82,841	3/25	C	84,080	5/20 - 5/22	C	83,139	7/20	C	82,215	5/17 - 5/19	C	81,086	2/21 - 2/23	C	80,512	9/26 - 9/27	V	80,512
VB	INDIAN RIVER RD	CENTERVILLE TNPK	KEMPSVILLE RD		62,742	3/19 - 3/21	C	59,399	3/25 - 3/27	C	63,369	6/9 - 6/10	C	64,399	3/15 - 3/17	C	60,094	3/7 - 3/9	C	65,562	3/20	C	65,562
VB	INDIAN RIVER RD	KEMPSVILLE RD	FERRELL PKWY		65,345	10/16 - 10/24	C	67,054	9/23	C	67,369	10/6 - 10/8	C	65,018	9/27 - 9/29	C	63,408	9/19 - 9/21	C	65,531	10/9 - 10/10	C	65,531
VB	INDIAN RIVER RD	FERRELL PKWY	INDIAN LAKES BLVD		14,536	11/19 - 11/21	C	15,170	12/3 - 12/4	C	16,571	8/5 - 8/6	V				15,241	2/7 - 2/8	C	15,500	2/27 - 3/1	C	15,500
VB	INDIAN RIVER RD	INDIAN LAKES BLVD	LYNNHAVEN PKWY								24,435	8/5 - 8/6	V							25,296	7/10	C	25,296
VB	INDIAN RIVER RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		12,477	3/27 - 3/28	C	13,471	3/12 - 3/20	C	13,592	4/7 - 4/9	C	15,653	3/23 - 3/24	C	15,583	3/29 - 3/30	C	14,662	4/11 - 4/12	C	14,662
VB	INDIAN RIVER RD	INDEPENDENCE BLVD	ELBOW RD (WEST)		10,032	8/27 - 8/28	C	10,538	5/20 - 5/22	C	8,774	8/25 - 8/27	C	9,215	9/7 - 9/8	C	10,245	10/3 - 10/5	C	10,606	10/3 - 10/4	C	10,606
VB	INDIAN RIVER RD	ELBOW RD (EAST)	S.E. PARKWAY CORRIDOR		7,939	3/26 - 3/28	C	6,769	1/6	C	7,621	3/24 - 4/2	C	7,257	12/22	C	8,837	4/5 - 4/6	C	8,435	4/25 - 4/26	C	8,435
VB	INDIAN RIVER RD	S.E. PARKWAY CORRIDOR	NORTH LANDING RD		7,939	3/26 - 3/28	C	6,769	1/6	C	7,621	3/24 - 4/2	C	7,257	12/22	C	8,837	4/5 - 4/6	C	8,435	4/25 - 4/26	C	8,435
VB	INDIAN RIVER RD	NORTH LANDING RD	WEST NECK RD		4,867	10/8 - 10/10	C	7,864	9/16 - 9/17	C	6,062	8/4 - 8/5	C	5,373	9/7 - 9/8	C	5,637	9/12 - 9/14	C	6,119	10/3 - 10/4	C	6,119
VB	INDIAN RIVER RD	WEST NECK RD	PRINCESS ANNE RD		4,867	10/8 - 10/10	C	7,864	9/16 - 9/17	C	6,062	8/4 - 8/5	C	5,373	9/7 - 9/8	C	5,637	9/12 - 9/14	C	6,119	10/3 - 10/4	C	6,119
VB	INTERNATIONAL PKWY	LYNNHAVEN PKWY	LONDON BRIDGE RD		12,196	1/1 - 12/31	C	11,855	1/1 - 12/31	C	10,296	4/16 - 8/20	C	14,924	10/27 - 12/31	C	14,490	1/1 - 7/27	C	12,742	7/18 - 12/31	C	12,742
VB	KEMPSVILLE RD	CHESAPEAKE CL	CENTERVILLE TNPK		29,148	10/17 - 10/24	C	30,584	9/23 - 10/2	C	29,963	10/6 - 10/8	C	30,013	9/27 - 9/29	C				24,774	10/3 - 10/4	C	24,774
VB	KEMPSVILLE RD	CENTERVILLE TNPK	INDIAN RIVER RD		35,252	1/1 - 12/31	C	34,366	1/1 - 12/31	C	36,556	6/23 - 6/24	C	42,258	5/17 - 5/19	C				30,168	1/1 - 9/20	C	30,168
VB	KEMPSVILLE RD	INDIAN RIVER RD	PROVIDENCE RD		28,370	12/2	C	28,734	12/10 - 12/16	C	30,110	12/8	C	29,479	10/25 - 10/26	C	30,339	11/21 - 11/22	C	32,020	12/19	C	32,020
VB	KEMPSVILLE RD	PROVIDENCE RD	PRINCESS ANNE RD		29,877	9/4 - 9/5	C	31,808	9/16 - 9/17	C	31,259	9/30	C	35,612	12/7 - 12/8	C	34,880	5/30 - 12/31	C	35,684	1/1 - 12/31	C	35,684
VB	LASKIN RD	VA BEACH BLVD	FIRST COLONIAL RD		30,841	1/1 - 12/31	V	29,957	1/1 - 12/31	V	29,816	1/1 - 12/31	V	30,562	1/1 - 12/31	V	30,506	1/1 - 12/31	V	30,435	1/1 - 12/31	V	30,435
VB	LASKIN RD	FIRST COLONIAL RD	WINWOOD DR		30,758	5/8 - 5/9	C	32,083	5/28 - 5/29	C	30,384	5/19 - 5/21	C	28,579	5/3 - 5/4	C				31,190	5/22 - 5/24	C	31,190
VB	LASKIN RD	WINWOOD DR	BIRDNECK RD		33,018	5/8	C	28,168	6/3 - 6/4	C	32,387	5/26 - 5/28	C	26,092	4/27 - 4/28	C	25,028	3/29 - 3/30	C	26,622	5/15 - 5/17	C	26,622
VB	LASKIN RD	BIRDNECK RD	30TH ST/32ND ST		22,904	1/1 - 12/31	C	22,217	1/1 - 12/31	C	22,106	1/1 - 12/31	C				25,690	1/1 - 12/31	C				25,690
VB	LASKIN RD	30TH ST/32ND ST	PACIFIC AVE					6,612	5/15 - 5/21	C	7,434	8/18 - 8/19	C	7,662	8/22	C	7,677	6/27 - 6/29	C	7,092	6/27	C	7,092
VB	LASKIN RD/31ST ST	PACIFIC AVE	ATLANTIC AVE					1,288	10/14	C	4,084	7/7 - 7/8	V				3,646	8/23 - 8/24	C	4,001	7/17 - 7/18	V	4,001
VB	LONDON BRIDGE RD	GENERAL BOOTH BLVD	DAM NECK RD		25,266	3/26 - 3/27	C	24,594	3/12	C	23,360	3/24 - 3/31	C	25,758	3/23 - 3/24	C	22,704	4/5 - 4/6	C	23,672	5/22 - 5/24	C	23,672
VB	LONDON BRIDGE RD	DAM NECK RD	DRAKESMILE RD		11,837	3/12 - 3/14	C	12,207	2/27 - 3/12	C	13,181	3/24 - 3/26	C	12,546	3/1 - 3/3	C	12,316	3/14 - 3/16	C	14,044	3/28 - 3/29	C	14,044
VB	LONDON BRIDGE RD	SHIPPS CORNER RD/DRAKESMILE RD	INTERNATIONAL PKWY		35,998	8/6 - 8/7	C	37,047	4/22 - 4/23	C	37,600	10/13 - 10/15	C				36,543	2/2 - 2/9	C	36,480	3/19	C	36,480
VB	LONDON BRIDGE RD	INTERNATIONAL PKWY	POTTERS RD		35,358	6/5 - 6/6	C	35,029	10/14 - 10/16	C	34,714	11/3 - 11/5	C				34,737	11/7 - 11/8	C				34,737
VB	LONDON BRIDGE RD	POTTERS RD	I-264 RAMP								39,491	9/1 - 9/3	V							39,773	7/31 - 8/2	V	39,773
VB	LONDON BRIDGE RD	I-264 RAMP	VA BEACH BLVD		38,865	5/8 - 5/9	C	35,247	1/9 - 1/14	C	39,436	7/7 - 7/9	C	40,558	5/10 - 5/12	C	41,693	5/9 - 5/10	C				41,693
VB	LYNNHAVEN PKWY	CHESAPEAKE CL	CENTERVILLE TNPK								8,874	6/23 - 6/24	V	7,827	4/5 - 7/25	C	15,378	3/28 - 3/30	C	16,597	5/1	C	16,597
VB	LYNNHAVEN PKWY	CENTERVILLE TNPK	INDIAN RIVER RD														15,056	4/18 - 4/19	C	16,575	3/6 - 3/7	C	16,575
VB	LYNNHAVEN PKWY	INDIAN RIVER RD	SALEM RD		17,264	1/1 - 12/31	C	16,711	1/1 - 12/31	C	16,972	1/1 - 12/31	C	17,167	1/1 - 12/31	C	21,330	1/1 - 12/31	C	21,130	1/1 - 12/31	C	21,130
VB	LYNNHAVEN PKWY	SALEM RD	PRINCESS ANNE RD		20,225	12/3 - 12/5	C	21,121	11/25	C	21,123	9/1 - 9/2	V	21,329	10/25 - 10/26	C	24,265	10/18 - 10/19	C	22,981	11/7 - 11/8	C	22,981
VB	LYNNHAVEN PKWY	PRINCESS ANNE RD	INDEPENDENCE BLVD					24,110	12/2 - 12/4	C	24,258	1/1 - 12/31	C	24,341	1/1 - 12/31	C	24,387	1/1 - 12/31	C	24,562	1/1 - 12/31	C	24,562

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
VB	LYNNHAVEN PKWY	INDEPENDENCE BLVD	ROSEMONT RD		42,183	5/1 - 5/2	C	41,922	4/22 - 4/24	C				41,055	4/6	C	34,457	4/12 - 4/13	C	35,526	4/17 - 4/18	C	35,526
VB	LYNNHAVEN PKWY	ROSEMONT RD	HOLLAND RD		26,355	1/1 - 12/31	C	26,140	1/1 - 12/31	C	26,647	1/1 - 12/31	C							27,898	12/5 - 12/6	C	27,898
VB	LYNNHAVEN PKWY	HOLLAND RD	S LYNNHAVEN RD		33,585	10/15 - 10/24	C	34,596	10/7 - 10/8	C	35,755	11/3 - 11/5	C				35,806	4/12 - 4/19	C				35,806
VB	LYNNHAVEN PKWY	S LYNNHAVEN RD	INTERNATIONAL PKWY		26,327	12/12	C	34,710	12/10 - 12/16	C	36,677	12/17	C	34,068	12/14 - 12/15	C	31,143	9/15 - 12/31	C	30,936	1/1 - 12/31	C	30,936
VB	LYNNHAVEN PKWY	INTERNATIONAL PKWY	POTTERS RD		44,549	5/1 - 5/2	C	43,409	4/22 - 4/24	C	45,523	6/16 - 6/18	C	45,387	4/5 - 4/7	C	49,030	3/14 - 3/23	C	47,730	1/1 - 12/31	C	47,730
VB	LYNNHAVEN PKWY	POTTERS RD	I-264																	46,000		E	46,000
VB	LYNNHAVEN PKWY	I-264	VA BEACH BLVD		20,757	10/15 - 10/24	C	23,148	10/7 - 10/8	C				22,712	4/27 - 4/28	C	16,794	1/1 - 12/31	C	16,670	1/1 - 12/31	C	16,670
VB	MILITARY HWY	CHESAPEAKE CL	PROVIDENCE RD					32,216	6/11 - 6/12	V							33,849	7/25 - 7/26	V				33,849
VB	MILITARY HWY	PROVIDENCE RD	INDIAN RIVER RD		27,097	2/5 - 2/7	C	29,431	2/19 - 2/20	C	30,361	6/16 - 6/17	C	30,652	3/15 - 3/17	C	30,367	2/22 - 2/23	C	29,000	3/20 - 3/22	C	29,000
VB	MILITARY HWY	INDIAN RIVER RD	NORFOLK CL		50,857	2/5 - 2/7	C	46,721	2/20	C	52,935	6/16 - 6/17	C	47,981	5/17 - 5/19	C	52,725	3/1 - 3/2	C	46,360	3/19	C	46,360
VB	NEWTOWN RD	NORFOLK CL	BAKER RD		41,115	9/11 - 9/12	C	38,793	10/21 - 10/23	C							38,891	11/1 - 11/2	C	40,532	10/9 - 10/10	C	40,532
VB	NEWTOWN RD	BAKER RD	DIAMOND SPRINGS RD		25,703	1/1 - 12/31	C	24,569	1/1 - 5/26	C				27,440	10/18 - 10/19	C	27,276	10/4 - 10/5	C	30,041	10/10 - 10/11	C	30,041
VB	NEWTOWN RD	DIAMOND SPRINGS RD	HAYGOOD RD		7,632	10/29 - 10/31	C	7,221	10/20 - 10/22	C	10,018	10/20 - 10/22	C	7,604	10/19 - 10/20	C	7,358	10/4 - 10/5	C	9,348	10/10 - 10/11	C	9,348
VB	NIMMO PKWY	WEST NECK RD	PRINCESS ANNE RD		18,057	10/17 - 10/24	C																18,057
VB	NIMMO PKWY	PRINCESS ANNE RD	HOLLAND RD		6,663	3/19 - 3/21	C	7,346	3/26 - 3/27	C	19,464	5/12 - 5/14	C	20,663	3/1 - 3/2	C	21,080	3/7 - 3/9	C	22,589	3/28 - 3/29	C	22,589
VB	NIMMO PKWY	HOLLAND RD	GENERAL BOOTH BLVD					17,014	11/18 - 11/19	C	14,658	1/1 - 12/31	C	20,044	9/15 - 9/22	C	21,570	9/19 - 9/21	C	28,338	9/26 - 9/27	C	28,338
VB	NIMMO PKWY	GENERAL BOOTH BLVD	UPTON DR		18,552	6/19 - 6/20	C	18,628	6/25 - 7/1	C	23,081	6/25 - 6/30	C	22,990	5/25 - 5/26	C	21,987	5/31 - 6/1	C	23,662	6/13 - 6/14	C	23,662
VB	NORFOLK AVE	BIRDNECK RD	PACIFIC AVE		9,568	7/24 - 7/25	C	9,942	7/22 - 7/23	C	9,435	8/4 - 8/6	C	9,481	7/12 - 7/13	C	9,373	7/5 - 7/6	C	9,406	7/10 - 7/11	C	9,406
VB	NORFOLK AVE	PACIFIC AVE	ATLANTIC AVE		3,523	7/30 - 8/1	C	3,266	7/15 - 7/17	C	3,743	8/4 - 8/5	C	3,593	7/19	C	3,207	7/5 - 7/6	C	3,675	7/10 - 7/11	C	3,675
VB	NORTHAMPTON BLVD	WESLEYAN DR/NORFOLK CL	DIAMOND SPRINGS RD		63,659	10/23 - 10/24	C	61,748	9/16 - 9/18	C	64,329	11/24	C	63,570	11/9 - 11/10	C	66,232	11/1 - 11/2	C	63,001	7/18 - 7/19	V	63,001
VB	NORTHAMPTON BLVD	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		38,284	1/1 - 12/31	V	37,895	1/1 - 12/31	V	37,009	1/1 - 12/31	V				39,169	6/13 - 12/31	V	38,286	1/1 - 12/31	V	38,286
VB	NORTHAMPTON BLVD	INDEPENDENCE BLVD	SHORE DR		25,318	8/13 - 8/14	C	27,729	6/25 - 7/2	C	29,468	7/22 - 7/23	C	27,211	8/2 - 8/4	C	26,911	8/23 - 8/24	C	26,657	8/14 - 8/22	C	26,657
VB	NORTH LANDING RD	CHESAPEAKE CL	INDIAN RIVER RD		11,018	1/1 - 12/31	C	10,343	1/1 - 12/31	C	10,470	1/1 - 12/31	C	13,513	1/1 - 9/28	C				11,446	8/1 - 8/2	V	11,446
VB	NORTH LANDING RD	INDIAN RIVER RD	SALEM RD		8,233	3/26 - 3/28	C	7,337	2/11 - 2/12	C	8,501	3/24 - 3/26	C	8,656	3/1 - 3/2	C	8,907	3/7 - 3/9	C	9,091	4/25 - 4/26	C	9,091
VB	NORTH LANDING RD	SALEM RD	WEST NECK RD		8,233	3/26 - 3/28	C	7,337	2/11 - 2/12	C	8,501	3/24 - 3/26	C	8,656	3/1 - 3/2	C	8,907	3/7 - 3/9	C	9,091	4/25 - 4/26	C	9,091
VB	NORTH LANDING RD	WEST NECK RD	PRINCESS ANNE RD		8,769	1/1 - 12/31	C							8,429	11/30 - 12/31	C	9,448	1/1 - 12/31	C	8,873	1/1 - 12/31	C	8,873
VB	OCEANA BLVD	GENERAL BOOTH BLVD	HARPERS RD								32,299	1/1 - 12/31	C	32,479	1/1 - 8/17	C	31,770	1/1 - 12/31	C	31,264	1/1 - 12/31	C	31,264
VB	OCEANA BLVD	HARPERS RD	TOMCAT BLVD (NAS MAIN ENT)								32,299	1/1 - 12/31	C	32,479	1/1 - 8/17	C	31,770	1/1 - 12/31	C	31,264	1/1 - 12/31	C	31,264
VB	OCEANA BLVD/FIRST COLONIAL RD	TOMCAT BLVD (NAS MAIN ENT)	VA BEACH BLVD		35,817	1/1 - 12/31	V	34,766	1/1 - 12/31	V	35,994	1/1 - 12/31	V	37,289	1/1 - 12/31	V	37,238	1/1 - 12/31	V	36,836	1/1 - 12/31	V	36,836
VB	PACIFIC AVE	ATLANTIC AVE	LASKIN RD		24,610	8/8 - 8/14	C	22,868	7/29 - 7/31	C	18,421	8/18	C				24,369	7/19 - 7/20	C	22,841	7/17 - 7/19	C	22,841
VB	PACIFIC AVE	LASKIN RD	22ND ST								16,159	8/11 - 8/12	C	13,167	8/17 - 8/18	C	12,227	7/25 - 12/31	C				12,227
VB	PACIFIC AVE	22ND ST	21ST ST								18,424	7/14 - 7/15	V							19,168	6/19 - 6/20	V	19,168
VB	PACIFIC AVE	21ST ST	VA BEACH BLVD		14,504	9/4 - 9/5	C	17,690	7/15 - 7/16	C	17,133	7/14 - 7/15	C	15,835	8/25	C				20,996	6/28	C	20,996
VB	PACIFIC AVE	VA BEACH BLVD	NORFOLK AVE		12,746	1/1 - 12/31	C				18,122	7/14 - 7/15	V	19,121	7/20 - 7/21	C							19,121
VB	PACIFIC AVE	NORFOLK AVE	HARBOUR POINT		15,153	7/1 - 12/31	C							15,264	1/1 - 12/31	C	15,052	1/1 - 12/31	C				15,052
VB	PEMBROKE BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		10,064	9/25 - 10/2	C	10,285	9/2 - 9/3	C	9,641	10/6 - 10/8	C				9,708	2/22	C	9,693	3/20 - 3/21	C	9,693
VB	PLAZA TRAIL, S.	PRINCESS ANNE RD	INDEPENDENCE BLVD		17,013	11/20 - 11/21	C	19,040	11/4 - 11/12	C	20,109	12/16	C	18,296	11/22 - 11/23	C	23,664	10/18 - 10/19	C	28,278	10/24 - 10/25	C	28,278
VB	PLAZA TRAIL, S.	INDEPENDENCE BLVD	HOLLAND RD		14,309	4/24 - 4/25	C	11,438	4/1 - 4/3	C	11,665	4/22 - 4/28	C	10,835	3/29 - 3/30	C	11,370	3/30	C	11,228	4/10 - 4/11	C	11,228
VB	PLAZA TRAIL, S.	HOLLAND RD	MARINA LAKE RD		10,341	4/24 - 4/25	C	9,875	4/1 - 4/3	C	10,011	4/21 - 4/28	C	9,429	3/30 - 3/31	C	10,093	3/30	C	11,339	4/25 - 4/26	C	11,339
VB	PLAZA TRAIL, S.	MARINA LAKE RD	ROSEMONT RD		10,341	4/24 - 4/25	C	9,875	4/1 - 4/3	C	10,011	4/21 - 4/28	C	9,429	3/30 - 3/31	C	10,093	3/30	C	11,339	4/25 - 4/26	C	11,339
VB	PLAZA TRAIL, S.	ROSEMONT RD	CONTINENTAL ST		9,340	10/15 - 10/17	C	9,899	10/7 - 10/9	C	9,984	11/17 - 11/19	C	9,117	10/12 - 10/13	C	10,323	10/3 - 10/4	C	9,684	10/24 - 10/25	C	9,684
VB	PLAZA TRAIL, S.	CONTINENTAL ST	VA BEACH BLVD		9,340	10/15 - 10/17	C	9,899	10/7 - 10/9	C	9,984	11/17 - 11/19	C	9,117	10/12 - 10/13	C	10,323	10/3 - 10/4	C	9,684	10/24 - 10/25	C	9,684
VB	PRINCESS ANNE RD	NEWTOWN RD/NORFOLK CL	KEMPSVILLE RD		21,732	9/18 - 9/19	C	22,349	8/26 - 8/27	C	21,930	9/1 - 9/3	C	22,360	8/31 - 9/1	C	23,138	9/13 - 9/14	C	21,280	9/11 - 9/12	C	21,280
VB	PRINCESS ANNE RD	KEMPSVILLE RD	BAXTER RD		26,842	9/18 - 9/25	C	29,470	8/26 - 8/27	C	33,187	10/6 - 10/8	C	35,556	12/7 - 12/8	C	31,065	1/1 - 12/31	C	30,272	1/1 - 12/31	C	30,272
VB	PRINCESS ANNE RD	BAXTER RD	PROVIDENCE RD		31,136	4/18	C	27,831	4/2 - 4/8	C	29,900	4/28 - 5/5	C	25,824	3/29 - 3/30	C	31,222	1/1 - 12/31	C	27,735	1/1 - 12/31	C	27,735
VB	PRINCESS ANNE RD	PROVIDENCE RD	FERRELL PKWY		42,483	5/7 - 5/9	C	37,991	4/2 - 4/8	C	39,788	5/5	C	46,301	12/21 - 12/22	C				39,666	10/31 - 11/1	C	39,666
VB	PRINCESS ANNE RD	FERRELL PKWY	LYNNHAVEN PKWY								61,716	7/15 - 7/16	V							59,582	7/18 - 7/19	V	59,582
VB	PRINCESS ANNE RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD								47,057	8/18 - 8/19	C	49,649	10/27 - 12/31	C	48,934	1/1 - 12/31	C	46,783	1/1 - 12/31	C	46,783
VB	PRINCESS ANNE RD	INDEPENDENCE BLVD	DAM NECK RD		46,495	12/17 - 12/19	C	50,138	8/5 - 8/7	C				56,790	8/23 - 8/24	C	52,261	7/25 - 7/26	C	53,995	1/1 - 12/31	V	53,995
VB	PRINCESS ANNE RD	DAM NECK RD	S.E. PARKWAY CORRIDOR		26,488	6/5 - 6/6	C	25,887	4/2 - 4/8	C	33,187	10/6 - 10/8	C	33,805	1/1 - 7/27	C				37,303	1/26	C	37,303
VB	PRINCESS ANNE RD	S.E. PARKWAY CORRIDOR	NIMMO PKWY		26,488	6/5 - 6/6	C	25,887	4/2 - 4/8	C	33,187	10/6 - 10/8	C	33,805	1/1 - 7/27	C				37,303	1/26	C	37,303
VB	PRINCESS ANNE RD	NIMMO PKWY	NORTH LANDING RD		9,818	11/6 - 11/7	C	8,486	11/12	C				6,451	12/14 - 12/15	C	7,582	12/12 - 12/14	C				7,582
VB	PRINCESS ANNE RD	NORTH LANDING RD	HOLLAND RD					14,667	9/24	C	13,596	9/23 - 9/24	C	13,515	9/28 - 9/29	C	13,748	11/1	C	11,651	10/16 - 10/18	C	11,651
VB	PRINCESS ANNE RD	HOLLAND RD	SEABOARD RD					14,667	9/24	C	13,596	9/23 - 9/24	C	13,515	9/28 - 9/29	C	13,748	11/1	C	11,651	10/16 - 10/18	C	11,651
VB	PRINCESS ANNE RD	SEABOARD RD	GENERAL BOOTH BLVD					14,667	9/24	C	13,596	9/23 - 9/24	C	13,515	9/28 - 9/29	C	13,748	11/1	C	11,651	10/16 - 10/18	C	11,651
VB	PRINCESS ANNE RD	GENERAL BOOTH BLVD	SANDBRIDGE RD/UPTON DR		17,817	4/10 - 4/11	C	15,272	3/11 - 3/13	C	17,280	7/29 - 7/30	V							15,400	7/25 - 7/26	C	15,400

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																								MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018									
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE								
VB	PRINCESS ANNE RD	SANDBRIDGE RD/UPTON DR	SEABOARD RD								11,788	7/29 - 7/30	V							11,973	8/22 - 8/23	C							11,973
VB	PRINCESS ANNE RD	SEABOARD RD	INDIAN RIVER RD		12,996	6/19 - 6/20	C	11,133	8/5 - 8/6	C	11,744	6/30 - 7/1	C	13,317	5/25 - 5/26	C	11,727	5/23 - 5/25	C	12,957	6/5 - 6/7	C							12,957
VB	PRINCESS ANNE RD	INDIAN RIVER RD	PUNGO FERRY RD		7,636	12/11	C	7,735	10/7 - 10/8	C	7,239	7/29 - 7/30	V	7,945	11/8 - 11/10	C	8,331	12/19 - 12/20	C	8,678	11/20	C							8,678
VB	PRINCESS ANNE RD	PUNGO FERRY RD	NORTH CAROLINA STATE LINE		3,359	11/5 - 11/13	C	3,828	10/7 - 10/8	C	3,630	7/29 - 7/30	V	3,870	11/8 - 11/9	C				3,806	11/20	C							3,806
VB	PROVIDENCE RD	CHESAPEAKE CL	MILITARY HWY								12,141	8/18 - 8/19	V							12,107	7/10 - 7/11	V							12,107
VB	PROVIDENCE RD	MILITARY HWY	INDIAN RIVER RD		15,065	2/5 - 2/6	C	15,425	2/19 - 2/20	C	18,727	4/28 - 5/5	C	15,595	2/9 - 2/10	C	13,158	1/26 - 2/1	C	15,612	2/27 - 3/1	C							15,612
VB	PROVIDENCE RD	INDIAN RIVER RD	KEMPSVILLE RD		20,829	1/30 - 1/31	C	21,194	2/19 - 2/20	C	23,438	4/28 - 5/5	C	24,260	3/1 - 3/2	C	20,895	1/25 - 1/26	C	22,595	2/27 - 3/1	C							22,595
VB	PROVIDENCE RD	KEMPSVILLE RD	PRINCESS ANNE RD		15,522	9/17 - 9/19	C	15,520	9/4 - 9/11	C	14,956	8/19 - 8/20	V	15,623	3/9 - 3/15	C	15,778	3/23	C	14,367	3/13 - 3/15	C							14,367
VB	PUNGO FERRY RD	BLACKWATER RD	PRINCESS ANNE RD		3,559	11/5 - 11/6	C	3,661	9/30 - 10/2	C	3,650	8/12 - 8/13	V	4,095	11/2 - 11/3	C				3,918	9/25 - 9/26	V							3,918
VB	ROSEMONT RD	DAM NECK RD	BUCKNER BLVD		13,335	1/1 - 12/31	C	12,810	1/1 - 12/31	C	12,787	1/1 - 12/31	C	13,730	1/1 - 12/31	C	13,984	1/1 - 12/31	C	12,825	1/1 - 12/31	C							12,825
VB	ROSEMONT RD	BUCKNER BLVD	LYNNHAVEN PKWY		15,911	8/20	C	19,715	8/27 - 8/28	C	16,539	8/11 - 8/12	C	17,636	8/16 - 8/18	C	15,684	12/19 - 12/20	C	17,888	8/28 - 8/29	C							17,888
VB	ROSEMONT RD	LYNNHAVEN PKWY	HOLLAND RD		20,034	9/4 - 9/5	C	19,926	8/13 - 8/14	C	19,700	8/18 - 8/20	C	21,123	8/17 - 8/18	C	20,774	7/25 - 7/26	C	19,671	8/1 - 8/2	C							19,671
VB	ROSEMONT RD	HOLLAND RD	PLAZA TRAIL		31,449	4/23 - 4/25	C	30,427	4/22 - 4/24	C	30,840	9/2 - 9/3	V	31,049	4/5 - 4/6	C	30,160	3/21 - 3/23	C	30,490	4/17 - 4/19	C							30,490
VB	ROSEMONT RD	PLAZA TRAIL	I-264		33,772	4/30 - 5/2	C	30,045	4/22 - 4/24	C	33,352	4/21 - 4/23	C	32,540	10/27 - 12/31	C	32,129	1/1 - 12/31	C	31,975	1/1 - 5/9	C							31,975
VB	ROSEMONT RD	I-264	VA BEACH BLVD																	36,000		E							36,000
VB	SALEM RD	NORTH LANDING RD	ELBOW RD		4,914	4/22	C	4,787	3/11 - 3/12	C	4,803	3/24 - 4/2	C	4,959	3/1 - 3/2	C	5,209	3/8 - 3/9	C	5,476	3/27 - 3/29	C							5,476
VB	SALEM RD	ELBOW RD	INDEPENDENCE BLVD		11,810	3/27 - 3/28	C	12,240	3/11	C	12,092	3/24 - 3/26	C	13,182	3/23 - 3/24	C	12,726	3/29 - 3/30	C	12,475	4/11 - 4/12	C							12,475
VB	SALEM RD	INDEPENDENCE BLVD	LYNNHAVEN PKWY		11,810	3/27 - 3/28	C	12,240	3/11	C	12,092	3/24 - 3/26	C	13,182	3/23 - 3/24	C	12,726	3/29 - 3/30	C	12,475	4/11 - 4/12	C							12,475
VB	SALEM RD	LYNNHAVEN PKWY	PRINCESS ANNE RD					15,117	3/12 - 3/14	C	15,933	8/4 - 8/5	V	15,021	2/23 - 3/2	C	15,715	1/31 - 2/1	C	16,273	2/20 - 2/22	C							16,273
VB	SANDBRIDGE RD	PRINCESS ANNE RD	ATWOODTOWN RD		13,040	7/9 - 7/10	C	11,238	7/8 - 7/10	C	12,511	6/30 - 7/1	C	12,312	8/17 - 8/18	C				12,669	8/14 - 8/15	C							12,669
VB	SANDBRIDGE RD	ATWOODTOWN RD	SANDPIPER DR		7,284	1/1 - 12/31	C				7,319	1/1 - 12/31	C	7,771	1/1 - 12/31	C	7,642	1/1 - 10/12	C									7,642
VB	SEABOARD RD	PRINCESS ANNE RD (AT PUNGO FIELD)	PRINCESS ANNE RD (AT P.A. ELEMENTARY)		3,157	3/26 - 3/28	C	2,775	1/7 - 1/9	C	2,697	3/24 - 3/31	C	3,190	5/24 - 5/25	C	2,693	4/5 - 4/6	C	3,054	4/11 - 4/12	C							3,054
VB	SEABOARD RD	PRINCESS ANNE RD (AT P.A. ELEMENTA	NIMMO PKWY																	5,663	9/27 - 10/3	C							5,663
VB	SHORE DRIVE	NORFOLK CL	DIAMOND SPRINGS RD		34,182	7/2	C	34,472	5/20 - 5/22	C	35,888	7/14 - 7/15	C	30,070	7/28	C				36,485	5/30 - 5/31	C							36,485
VB	SHORE DRIVE	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		27,955	10/2 - 10/3	C	26,127	3/27	C	29,758	7/21 - 7/23	C				32,757	5/30 - 5/31	C	27,300	6/5	C							27,300
VB	SHORE DRIVE	INDEPENDENCE BLVD	PLEASURE HOUSE RD					20,935	6/17 - 6/24	C	20,695	7/14 - 7/29	C	20,088	8/31	C	19,951	8/22 - 8/23	C	19,716	5/28	C							19,716
VB	SHORE DRIVE	PLEASURE HOUSE RD	NORTHAMPTON BLVD		21,867	7/16 - 7/18	C	20,935	6/17 - 6/24	C	20,695	7/14 - 7/29	C	20,088	8/31	C	19,951	8/22 - 8/23	C	19,716	5/28	C							19,716
VB	SHORE DRIVE	NORTHAMPTON BLVD	GREAT NECK RD		38,248	1/1 - 12/31	V	37,394	1/1 - 12/31	V	37,534	1/1 - 12/31	V	38,492	1/1 - 12/31	V	38,615	1/1 - 12/31	V	37,524	1/1 - 12/31	V							37,524
VB	SHORE DRIVE	GREAT NECK RD	ATLANTIC AVE		16,494	7/9	C	16,641	6/17 - 7/1	C	16,990	7/21 - 7/23	C	16,949	6/14 - 6/15	C	16,783	6/15	C	15,516	5/30 - 5/31	C							15,516
VB	UPTON DR	NIMMO PKWY	PRINCESS ANNE RD		19,670	5/8 - 5/9	C	19,156	5/6 - 5/15	C	19,843	12/16	C	21,196	5/25 - 5/26	C	21,737	5/17 - 5/18	C	19,313	5/8 - 5/10	C							19,313
VB	VA BEACH BLVD	NEWTOWN RD/NORFOLK CL	WITCHDUCK RD		33,723	8/27 - 8/28	C	35,625	8/26 - 8/28	C	37,852	8/25 - 8/27	C	36,037	10/27 - 12/31	C	34,571	1/1 - 12/31	C	32,343	1/1 - 12/31	C							32,343
VB	VA BEACH BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		35,984	1/1 - 12/31	C	35,131	1/1 - 12/31	C	36,880	1/1 - 12/31	C	36,727	1/1 - 12/31	C	35,523	1/1 - 12/31	C	38,010	1/1 - 12/31	V							38,010
VB	VA BEACH BLVD	INDEPENDENCE BLVD	CONSTITUTION DR		44,437	12/18 - 12/19	C	45,613	12/16 - 12/18	C				47,088	12/21 - 12/22	C	39,593	12/12 - 12/14	C									39,593
VB	VA BEACH BLVD	CONSTITUTION DR	ROSEMONT RD		44,518	7/24 - 7/30	C	42,241	7/8 - 7/17	C	47,745	1/1 - 12/31	C	46,670	1/1 - 5/19	C	44,488	1/1 - 12/31	C	43,024	1/1 - 10/15	C							43,024
VB	VA BEACH BLVD	ROSEMONT RD	S. PLAZA TRAIL/LITTLE NECK RD		51,977	5/14 - 5/16	C	53,708	7/1 - 7/9	C	56,529	6/30 - 7/2	C	53,507	7/14	C	50,320	6/6 - 6/8	C	50,998	5/29 - 5/31	C							50,998
VB	VA BEACH BLVD	S. PLAZA TRAIL/LITTLE NECK RD	LYNNHAVEN PKWY		37,006	5/14 - 5/16	C	36,593	7/1 - 7/9	C	39,136	6/30 - 7/2	C	37,175	7/19 - 7/21	C	35,177	5/18 - 12/31	C	34,398	1/1 - 12/31	C							34,398
VB	VA BEACH BLVD	LYNNHAVEN PKWY	GREAT NECK RD		40,629	5/14 - 5/16	C	41,522	7/1 - 7/8	C	44,260	6/30 - 7/2	C	40,725	7/19 - 7/21	C	31,291	1/1 - 12/31	C	29,632	1/1 - 12/31	C							29,632
VB	VA BEACH BLVD	GREAT NECK RD	LASKIN RD																	34,000		E							34,000
VB	VA BEACH BLVD	LASKIN RD	FIRST COLONIAL RD		29,503	5/14 - 5/16	C	29,908	7/1 - 7/3	C	30,108	6/30 - 7/2	C	30,802	8/2 - 8/3	C	30,570	6/6 - 6/8	C	29,611	6/20 - 6/21	C							29,611
VB	VA BEACH BLVD	FIRST COLONIAL RD	N OCEANA BLVD		16,681	12/17 - 12/19	C				17,132	12/16	C	14,262	6/28	C	17,719	6/6 - 6/8	C	16,920	5/29 - 5/30	C							16,920
VB	VA BEACH BLVD	N OCEANA BLVD	BIRDNECK RD		12,707	5/14 - 5/16	C	13,528	7/1 - 7/3	C	12,748	6/2 - 6/4	C	16,118	6/15 - 6/16	C	12,431	6/6 - 6/8	C	13,692	6/5 - 6/6	C							13,692
VB	VA BEACH BLVD	BIRDNECK RD	PACIFIC AVE		10,452	6/18 - 6/20	C	9,526	8/20 - 8/26	C	11,516	6/16 - 6/18	C	10,949	7/7	C	10,412	6/27 - 6/29	C	11,651	6/12 - 6/14	C							11,651
VB	VA BEACH BLVD	PACIFIC AVE	ATLANTIC AVE					1,072	9/30	C										3,207	8/7 - 8/9	C							3,207
VB	WESLEYAN DR	NORFOLK CL	BAKER RD					18,934	1/1 - 12/31	C	19,283	1/1 - 12/31	C	20,260	1/1 - 7/27	C	20,704	1/1 - 12/31	C	18,843	1/1 - 5/9	C							18,843
VB	WESLEYAN DR	BAKER RD	DIAMOND SPRINGS RD		13,329	9/18 - 9/19	C	15,386	9/2 - 9/4	C	15,984	10/14 - 10/20	C	19,267	9/13 - 9/15	C	13,897	8/22 - 8/23	C	16,650	9/26 - 9/27	C							16,650
VB	WESLEYAN DR	DIAMOND SPRINGS RD	HAYGOOD DR		18,225	9/18 - 9/19	C	17,270	8/25 - 8/27	C	21,942	11/24	C	16,127	9/13 - 9/15	C	17,399	8/22 - 8/23	C	18,406	9/26 - 9/27	C							18,406
VB	WEST NECK RD	NIMMO PKWY	NORTH LANDING RD					14,255	12/9 - 12/11	C				16,610	5/24 - 5/26	C				15,454	10/3 - 10/9	C							15,454
VB	WEST NECK RD	NORTH LANDING RD	INDIAN RIVER RD		3,404	3/26 - 3/28	C	3,971	2/18 - 2/19	C	4,483	3/24 - 3/31	C	4,435	3/9 - 3/10	C	4,119	3/22 - 3/23	C	3,289	4/10 - 4/12	C							3,289
VB	WITCHDUCK RD	PRINCESS ANNE RD	I-264		28,855	6/25	C										29,857	6/1 - 12/31	C	30,825	1/1 - 5/9	C							30,825
VB	WITCHDUCK RD	I-264	VA BEACH BLVD		46,786	10/29 - 10/30	C	47,814	10/21	C	43,604	9/8 - 9/10	C	51,305	11/16 - 11/17	C	59,616	10/24 - 10/26	C									59,616
VB	WITCHDUCK RD	VA BEACH BLVD	PEMBROKE BLVD		16,916	8/27 - 8/28	C	16,035	8/26 - 8/27	C	17,007	10/6 - 10/8	C	15,989	7/26 - 7/28	C	16,574	9/19 - 9/21	C	15,966	8/1 - 8/2	C							15,966
WMB	BOUNDARY ST	JAMESTOWN RD	FRANCIS ST		9,746	7/16 - 7/17	V							9,366	7/26 - 7/27	V													9,366
WMB	BYPASS RD	RICHMOND RD	YORK CL		24,178	7/16 - 7/17	V							26,368	7/12 - 7/14	V													26,368
WMB	BYPASS RD	ROUTE 132/YORK CL	PAGE ST		15,105	7/23 - 7/24	V							14,772	7/12 - 7/14	V													14,772
WMB	CAPITOL LANDING RD	BYPASS RD	MERRIMAC TRAIL		6,980	7/16	V							7,406	7/12 - 7/14	V													7,406
WMB	COLONIAL NATL HIST PKWY	JAMES CITY CL/RTE 199	YORK CL																	7,000		E							7,000

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Appendix A – Weekday Traffic Volumes

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Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
WMB	FRANCIS ST	BOUNDARY ST	HENRY ST		7,303	7/16 - 7/17	V							6,890	7/26 - 7/27	V							6,890
WMB	HENRY ST S.	ROUTE 199	FRANCIS ST		3,145	7/16	V							3,071	7/12 - 7/13	V							3,071
WMB	HENRY ST	FRANCIS ST	LAFAYETTE ST		4,926	7/16 - 7/17	V							5,451	7/12 - 7/14	V							5,451
WMB	HENRY ST N.	LAFAYETTE ST	RTE 132Y		5,882	7/16 - 7/17	V							5,999	7/12 - 7/14	V							5,999
WMB	IRONBOUND RD	JAMES CITY CL	DEPUE DR		10,534	2/27 - 2/28	V							12,269	2/10 - 2/11	V							12,269
WMB	IRONBOUND RD	DEPUE DR	LONGHILL RD		9,806	7/16	V							9,898	7/12 - 7/13	V							9,898
WMB	IRONBOUND RD	LONGHILL RD	RICHMOND RD		14,493	7/16	V							12,334	8/24 - 8/25	V							12,334
WMB	JAMESTOWN RD	JAMES CITY CL	RTE 199		16,829	7/16 - 7/18	V							16,665	7/26 - 7/27	V							16,665
WMB	JAMESTOWN RD	RTE 199	JOHN TYLER LN		9,134	7/30 - 7/31	V							9,100	7/26 - 7/27	V							9,100
WMB	JAMESTOWN RD	JOHN TYLER LN	COLLEGE CREEK		10,161	7/16	V							9,630	7/26 - 7/27	V							9,630
WMB	JAMESTOWN RD	COLLEGE CREEK	BOUNDARY ST		10,161	7/16	V							9,630	7/26 - 7/27	V							9,630
WMB	LAFAYETTE ST	RICHMOND RD	HENRY ST		9,821	7/16	V							10,268	7/12 - 7/13	V							10,268
WMB	LAFAYETTE ST	HENRY ST	CAPITOL LANDING RD		10,046	7/16 - 7/18	V							10,361	7/13 - 7/14	V							10,361
WMB	LAFAYETTE ST	CAPITOL LANDING RD	PAGE ST		8,160	7/16	V							8,494	7/13 - 7/14	V							8,494
WMB	MERRIMAC TRAIL	YORK CL (SOUTH)	CAPITOL LANDING RD		7,273	7/16	V							7,029	7/12 - 7/14	V							7,029
WMB	MERRIMAC TRAIL	CAPITOL LANDING RD	YORK CL (NORTH)		9,341	7/16	V							9,898	7/12 - 7/13	V							9,898
WMB	MONTICELLO AVE	IRONBOUND RD	RICHMOND RD		15,269	7/16	V							15,922	7/12 - 7/13	V							15,922
WMB	PAGE ST	BYPASS RD	SECOND ST		14,186	7/16 - 7/17	V							14,589	7/13 - 8/25	V							14,589
WMB	PAGE ST	SECOND ST	YORK ST		14,062	7/30 - 7/31	V							14,717	7/13 - 7/14	V							14,717
WMB	QUARTERPATH RD	ROUTE 199	YORK ST		1,169	7/16	V							1,218	7/13 - 7/14	V							1,218
WMB	RICHMOND RD	JAMES CITY CL	IRONBOUND RD											22,330	7/12 - 7/13	V							22,330
WMB	RICHMOND RD	IRONBOUND RD	BYPASS RD		27,656	7/16	V							26,383	7/26 - 7/27	V							26,383
WMB	RICHMOND RD	BYPASS RD	MONTICELLO AVE		20,187	8/13 - 8/14	V							20,981	7/12 - 7/13	V							20,981
WMB	RICHMOND RD	MONTICELLO AVE	BROOKS ST		10,623	7/16	V							10,913	7/12 - 7/13	V							10,913
WMB	RICHMOND RD	BROOKS ST	BOUNDARY ST		10,623	7/16	V							10,913	7/12 - 7/13	V							10,913
WMB	ROUTE 132	ROUTE 132Y	BYPASS RD/YORK CL		8,670	7/16 - 7/17	V							9,112	7/12 - 7/14	V							9,112
WMB	ROUTE 132Y	ROUTE 132	COLONIAL PKWY											5,861	7/12 - 7/14	V							5,861
WMB	ROUTE 199	JAMES CITY CL (WEST)	JAMESTOWN RD		35,623	2/19 - 2/21	V							36,257	2/2 - 2/3	V							36,257
WMB	ROUTE 199	JAMESTOWN RD	JAMES CITY CL (EAST)		37,165	2/20 - 2/21	V							36,971	2/2 - 2/3	V							36,971
WMB	SECOND ST	PAGE ST	YORK CL		14,031	8/13 - 8/14	V							14,652	7/13 - 7/14	V							14,652
WMB	TREYBURN DR	MONTICELLO AVE	IRONBOUND RD																	4,000		E	4,000
WMB	YORK ST	PAGE ST	JAMES CITY CL		12,201	7/16	V							12,774	7/27 - 7/28	V							12,774
YC	BALLARD ST	COLONIAL PKWY	COOK RD		5,473	7/9 - 7/10	V							6,866	7/12 - 7/13	V							6,866
YC	BALLARD ST	COOK RD	COAST GUARD TRAINING CENTER		2,900	7/16 - 7/17	V							2,776	7/12 - 7/13	V							2,776
YC	BIG BETHEL RD	HAMPTON CL	HAMPTON HWY (RTE 134)		11,852	7/9 - 7/10	V							9,210	6/28 - 6/29	V							9,210
YC	BIG BETHEL RD	HAMPTON HWY (RTE 134)	VICTORY BLVD (RTE 171)		5,211	7/9 - 7/10	V							4,817	6/28 - 6/29	V							4,817
YC	BYPASS RD	WILLIAMSBURG CL	WALLER MILL RD		24,178	7/16 - 7/17	V							26,368	7/12 - 7/14	V							26,368
YC	BYPASS RD	WALLER MILL RD	ROUTE 132/WILLIAMSBURG CL		24,178	7/16 - 7/17	V							26,368	7/12 - 7/14	V							26,368
YC	COLONIAL NATL HIST PKWY	WILLIAMSBURG CL	BALLARD ST																	8,000		E	8,000
YC	COOK RD	GEORGE WASHINGTON HWY	GOOSLEY RD		6,256	7/9 - 7/10	V							7,287	7/12 - 7/13	V							7,287
YC	COOK RD	GOOSLEY RD	BALLARD ST		7,330	7/23	V							8,102	7/12 - 7/13	V							8,102
YC	DENBIGH BLVD	NEWPORT NEWS CL	ROUTE 17		15,873	1/1 - 12/31	V	15,711	1/1 - 12/31	V	16,216	1/1 - 12/31	V	16,861	1/1 - 12/31	V	15,194	1/1 - 12/31	V	14,543	1/1 - 12/31	V	14,543
YC	EAST YORKTOWN RD	VICTORY BLVD	POQUOSON CL		5,787	7/9 - 7/10	V							5,705	6/28 - 6/29	V							5,705
YC	FORT EUSTIS BLVD	NEWPORT NEWS CL	ROUTE 17		18,429	6/26 - 6/27	V							18,635	6/29	V							18,635
YC	FORT EUSTIS BLVD EXT	ROUTE 17	OLD YORK - HAMPTON HWY		3,322	6/26	V							3,462	11/29 - 11/30	V							3,462
YC	GEORGE WASHINGTON HWY	NEWPORT NEWS CL	VICTORY BLVD (RTE 171)		35,050	6/19 - 6/20	V							34,018	6/21 - 6/22	V							34,018
YC	GEORGE WASHINGTON HWY	VICTORY BLVD (RTE 171)	HAMPTON HWY (RTE 134)		38,592	6/19 - 6/20	V										36,740	1/17 - 1/19	V				36,740
YC	GEORGE WASHINGTON HWY	HAMPTON HWY (RTE 134)	DARE RD											48,876	6/21 - 6/22	V							48,876
YC	GEORGE WASHINGTON HWY	DARE RD	DENBIGH BLVD (RTE 173)		37,878	6/19 - 6/20	V																37,878
YC	GEORGE WASHINGTON HWY	DENBIGH BLVD (RTE 173)	FORT EUSTIS BLVD (RTE 105)		36,726	6/19 - 6/20	V							36,487	6/21 - 6/22	V							36,487
YC	GEORGE WASHINGTON HWY	FORT EUSTIS BLVD (RTE 105)	COOK RD		34,284	7/31 - 8/1	V							36,373	6/21 - 6/22	V							36,373
YC	GEORGE WASHINGTON HWY	COOK RD	GOOSLEY RD (RTE 238)		35,113	6/19 - 8/1	V							27,147	6/21 - 6/22	V							27,147
YC	GEORGE WASHINGTON HWY	GOOSLEY RD (RTE 238)	GLOUCESTER CL (COLEMAN BRIDGE)		34,432	6/19 - 6/20	V							34,210	6/21 - 6/22	V							34,210
YC	GOODWIN NECK RD	ROUTE 17	WOLF TRAP RD		9,576	6/26 - 6/27	V							9,970	6/29 - 6/30	V							9,970
YC	GOOSLEY RD	OLD WILLIAMSBURG RD	CRAWFORD RD		6,436	7/10 - 7/11	V							6,501	6/22 - 6/23	V							6,501
YC	GOOSLEY RD	CRAWFORD RD	ROUTE 17		6,436	7/10 - 7/11	V							6,501	6/22 - 6/23	V							6,501

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Appendix A – Weekday Traffic Volumes

Count Date listed as "1/1-12/31" indicates that the count reflects an average of all Tuesdays, Wednesdays, and Thursdays, minus holidays.
Count Source: C=City, E=Estimate, O=Other, T=Tunnel or toll facility, V=VDOT.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	WEEKDAY TRAFFIC VOLUMES																		MOST RECENT VOLUME
					2013			2014			2015			2016			2017			2018			
					VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		VOLUME	COUNT DATE & SOURCE		
YC	GOOSLEY RD	ROUTE 17	COOK RD		1,530	6/26 - 6/27	V							1,558	6/22 - 6/23	V							1,558
YC	HAMPTON HWY	ROUTE 17	VICTORY BLVD (RTE 171)		18,435	7/16	V							16,657	6/28 - 6/29	V							16,657
YC	HAMPTON HWY	VICTORY BLVD (RTE 171)	BIG BETHEL RD (RTE 600)		25,607	6/25 - 6/26	V							24,453	6/28 - 6/29	V							24,453
YC	HAMPTON HWY	BIG BETHEL RD (RTE 600)	NCL HAMPTON		26,040	6/25 - 6/26	V							23,632	6/28 - 6/29	V							23,632
YC	I-64	JAMES CITY CL	RTE 199/646	EB	30,146	1/1 - 12/31	V	30,366	1/1 - 12/31	V	31,700	1/1 - 12/31	V	33,025	1/1 - 12/31	V	33,283	1/1 - 12/31	V	33,214	1/1 - 12/31	V	33,214
				WB	28,921	1/1 - 12/31	V	29,156	1/1 - 12/31	V	30,434	1/1 - 12/31	V	31,595	1/1 - 12/31	V	31,790	1/1 - 12/31	V	31,828	1/1 - 12/31	V	31,828
YC	I-64	RTE 199/646	RTE 143	EB	28,229	1/1 - 12/31	V	28,092	1/1 - 12/31	V	29,385	1/1 - 12/31	V	30,318	1/1 - 12/31	V	30,411	1/1 - 12/31	V	30,642	1/1 - 12/31	V	30,642
				WB	27,997	1/1 - 12/31	V	27,810	1/1 - 12/31	V	29,011	1/1 - 12/31	V	29,944	1/1 - 12/31	V	30,124	1/1 - 12/31	V	30,061	1/1 - 12/31	V	30,061
YC	I-64	RTE 143	RTE 199 (EAST OF WILLIAMSBURG)	EB	29,301	9/4 - 9/5	V							32,730	1/1 - 8/11	V	33,096	3/31 - 12/31	V				33,096
				WB	28,003	9/10 - 9/11	V							32,688	1/1 - 8/11	V	33,039	3/31 - 12/31	V				33,039
YC	I-64	RTE 199 (EAST OF WILLIAMSBURG)	GROVE CONNECTOR	EB	38,359	9/4 - 9/5	V							41,238	1/1 - 8/11	V							41,238
				WB	37,767	9/4 - 9/5	V							40,053	1/1 - 8/11	V							40,053
YC	I-64	GROVE CONNECTOR	JAMES CITY CL	EB	42,810	8/28 - 8/29	V							40,778	1/1 - 8/11	V	39,007	3/31 - 12/31	V	39,662	1/1 - 12/31	V	39,662
				WB	40,993	9/4 - 9/5	V							43,544	1/1 - 8/11	V							43,544
YC	LIGHTFOOT RD	ROUTE 60	MOORETOWN RD		10,249	7/9 - 7/10	V							9,878	6/21 - 6/22	V							9,878
YC	MERRIMAC TRAIL	JAMES CITY CL	BUSCH GARDENS INTERCHANGE		10,828	2/20 - 2/21	V																10,828
YC	MERRIMAC TRAIL	BUSCH GARDENS INTERCHANGE	ROUTE 199/JAMES CITY CL		18,641	6/26 - 6/27	V							17,754	6/22 - 7/13	V							17,754
YC	MERRIMAC TRAIL	PENNIMAN RD/JAMES CITY CL	SECOND ST																	18,000		E	18,000
YC	MERRIMAC TRAIL	SECOND ST	WILLIAMSBURG CL		8,001	6/26 - 6/27	V							7,575	6/21 - 6/22	V							7,575
YC	MERRIMAC TRAIL	WILLIAMSBURG CL	ROUTE 132		9,168	7/30 - 7/31	V							9,523	6/21 - 6/22	V							9,523
YC	MOORETOWN RD	WALLER MILL RD	AIRPORT RD		5,885	7/9 - 7/10	V							6,232	6/21 - 6/22	V							6,232
YC	MOORETOWN RD	AIRPORT RD	OLD MOORETOWN RD		9,024	7/9 - 7/10	V							9,091	6/21 - 6/22	V							9,091
YC	MOORETOWN RD	OLD MOORETOWN RD	ROUTE 199																	18,000		E	18,000
YC	MOORETOWN RD	ROUTE 199	LIGHTFOOT RD																	15,000		E	15,000
YC	NEWMAN RD	I-64	FENTON MILL RD		2,955	7/16 - 8/1	V							2,880	6/21 - 6/22	V							2,880
YC	OLD WILLIAMSBURG RD	NEWPORT NEWS CL	BAPTIST RD/MAIN RD		9,749	1/1 - 12/31	V	9,698	1/1 - 12/31	V	9,839	1/1 - 12/31	V	9,533	1/1 - 12/31	V	9,337	1/1 - 12/31	V	9,480	1/1 - 12/31	V	9,480
YC	OLD WILLIAMSBURG RD	BAPTIST RD/MAIN RD	GOOSLEY RD		9,179	7/10 - 7/11	V							9,381	6/22 - 6/23	V							9,381
YC	PENNIMAN RD (RTE 641)	ROUTE 199	COLONIAL PKWY		6,009	1/1 - 12/31	V	5,979	1/1 - 12/31	V	6,092	1/1 - 12/31	V	6,395	1/1 - 12/31	V	6,448	1/1 - 12/31	V	6,315	1/1 - 12/31	V	6,315
YC	POCAHONTAS TRAIL	JCC LINE @ RTE 199	KINGSMILL RD																	8,600		E	8,600
YC	POCAHONTAS TRAIL	KINGSMILL RD	BUSCH GARDENS INTERCHANGE																	12,000		E	12,000
YC	POCAHONTAS TRAIL	BUSCH GARDENS INTERCHANGE	JAMES CITY CL		11,143	6/26 - 6/27	V							12,840	6/22 - 6/23	V							12,840
YC	ROUTE 132	BYPASS RD/WILLIAMSBURG CL	ROUTE 143		10,165	7/30 - 7/31	V							10,521	6/21 - 6/22	V							10,521
YC	ROUTE 143	ROUTE 132	I-64		18,870	6/26 - 6/27	V							19,146	6/21 - 6/22	V							19,146
YC	ROUTE 199	JCC LINE (WESTSIDE)	MOORETOWN RD	EB	13,384	7/10 - 7/11	V							12,210	2/2 - 2/3	V							12,210
				WB	13,602	7/10 - 7/11	V							12,448	2/2 - 2/3	V							12,448
YC	ROUTE 199	MOORETOWN RD	I-64	EB	15,405	7/10 - 7/11	V							13,330	2/3 - 2/4	V							13,330
				WB	14,282	7/10 - 7/11	V							12,336	2/3 - 2/4	V							12,336
YC	ROUTE 199	RTE 60/RTE 143/JCC LINE	I-64		30,661	1/1 - 12/31	V	30,481	1/1 - 12/31	V	30,760	1/1 - 12/31	V	30,857	1/1 - 12/31	V	29,762	1/1 - 12/31	V	30,069	1/1 - 12/31	V	30,069
YC	ROUTE 199	I-64	MARQUIS PKWY		18,133	7/10 - 7/11	V							18,833	8/17 - 8/18	V							18,833
YC	ROUTE 199	MARQUIS PKWY	RTE 641 (PENNIMAN RD)		9,055	7/10 - 7/11	V							9,572	6/21 - 6/22	V							9,572
YC	SECOND ST	WILLIAMSBURG CL	MERRIMAC TRAIL		14,031	8/13 - 8/14	V							14,652	7/13 - 7/14	V							14,652
YC	VICTORY BLVD	NEWPORT NEWS CL	ROUTE 17		48,289	7/10 - 7/16	V							40,051	6/21 - 6/22	V							40,051
YC	VICTORY BLVD	ROUTE 17	HAMPTON HWY (RTE 134)		29,985	11/20 - 11/21	V							31,361	6/28 - 7/28	V							31,361
YC	VICTORY BLVD	HAMPTON HWY (RTE 134)	BIG BETHEL RD (RTE 600)		19,649	7/9 - 7/10	V							19,397	6/28 - 6/29	V							19,397
YC	VICTORY BLVD	BIG BETHEL RD (RTE 600)	CARYS CHAPEL RD (RTE 782)		20,022	7/23	V							20,038	6/28 - 6/29	V							20,038
YC	VICTORY BLVD	CARYS CHAPEL RD (RTE 782)	POQUOSON CL		12,962	7/23	V							13,235	7/19 - 7/21	V							13,235
YC	WALLER MILL RD	ROUTE 60	MOORETOWN RD		4,310	7/9 - 7/10	V							4,679	6/21 - 6/22	V							4,679

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APPENDIX B

SPEED AND CONGESTION DATA

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	22ND ST	LIBERTY ST	BERKLEY AVE/NORFOLK CL		19	19	1.24	1.26	LOW	MOD	0	0	21	21	1.12	1.11	LOW	LOW	0	0
CHES	AIRLINE BLVD	I-664	JOLLIFF RD		34	34	1.08	1.10	LOW	LOW	0	0	35	35	1.05	1.07	LOW	LOW	0	0
CHES	AIRLINE BLVD	JOLLIFF RD	PORTSMOUTH CL		34	34	1.08	1.10	LOW	LOW	0	0	35	35	1.05	1.07	LOW	LOW	0	0
CHES	ATLANTIC AVE	CAMPOSTELLA RD	PROVIDENCE RD		26	20	1.07	1.25	LOW	MOD	0	0	25	19	1.12	1.31	LOW	MOD	0	0
CHES	ATLANTIC AVE	PROVIDENCE RD	OLD ATLANTIC AVE		33	32	1.06	1.08	LOW	LOW	0	0	33	32	1.05	1.07	LOW	LOW	0	0
CHES	ATLANTIC AVE	OLD ATLANTIC AVE	CAMPOSTELLA RD		33	32	1.06	1.08	LOW	LOW	0	0	33	32	1.05	1.07	LOW	LOW	0	0
CHES	BAINBRIDGE BLVD	DOMINION BLVD	GREAT BRIDGE BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	BAINBRIDGE BLVD	GREAT BRIDGE BLVD	MILITARY HWY		27	32	1.21	1.09	LOW	LOW	0	0	27	34	1.23	1.04	LOW	LOW	0	0
CHES	BAINBRIDGE BLVD	MILITARY HWY	FREEMAN AVE		23	27	1.39	1.18	MOD	LOW	0	0	28	29	1.15	1.07	LOW	LOW	0	0
CHES	BAINBRIDGE BLVD	FREEMAN AVE	SWAIN AVE		29	26	1.08	1.18	LOW	LOW	0	0	29	29	1.08	1.08	LOW	LOW	0	0
CHES	BAINBRIDGE BLVD	SWAIN AVE	CHESAPEAKE DR		29	26	1.08	1.18	LOW	LOW	0	0	29	29	1.08	1.08	LOW	LOW	0	0
CHES	BAINBRIDGE BLVD	CHESAPEAKE DR	POINDEXTER ST		29	26	1.08	1.18	LOW	LOW	0	0	29	29	1.08	1.08	LOW	LOW	0	0
CHES	BAINBRIDGE BLVD	POINDEXTER ST	NORFOLK CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	BALLAHACK RD	GEORGE WASHINGTON HWY	OLD BATTLEFIELD BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	BATTLEFIELD BLVD	NORTH CAROLINA STATE LINE	BALLAHACK RD		46	46	1.11	1.09	LOW	LOW	0	0	46	46	1.10	1.08	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	BALLAHACK RD	GALLBUSH RD		43	42	1.19	1.17	LOW	LOW	0	0	42	45	1.21	1.08	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	GALLBUSH RD	INDIAN CREEK RD		47	49	1.05	1.03	LOW	LOW	0	0	48	49	1.05	1.02	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	INDIAN CREEK RD	CENTERVILLE TNPK		41	42	1.11	1.10	LOW	LOW	0	0	43	44	1.07	1.06	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	CENTERVILLE TNPK	HILLCREST PKWY		28	37	1.50	1.17	SEV	LOW	1	0	34	28	1.22	1.57	LOW	SEV	0	9
CHES	BATTLEFIELD BLVD	HILLCREST PKWY	PEACEFUL RD/HILLWELL RD		37	36	1.08	1.10	LOW	LOW	0	0	36	37	1.11	1.06	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	PEACEFUL RD/HILLWELL RD	HANBURY RD		37	36	1.08	1.10	LOW	LOW	0	0	36	37	1.11	1.06	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	HANBURY RD	JOHNSTOWN RD		25	28	1.21	1.11	LOW	LOW	0	0	25	27	1.21	1.13	LOW	LOW	0	0
CHES	BATTLEFIELD BLVD	JOHNSTOWN RD	CEDAR RD		16	17	1.36	1.27	MOD	MOD	0	0	12	14	1.86	1.46	SEV	SEV	16	3
CHES	BATTLEFIELD BLVD	CEDAR RD	GREAT BRIDGE BLVD/KEMPSVILLE RD		24	25	1.35	1.18	MOD	LOW	0	0	24	13	1.39	2.25	MOD	SEV	0	13
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BLVD/KEMPSVILLE RD	GREAT BRIDGE BYPASS		28	12	1.15	2.02	LOW	SEV	0	11	26	12	1.21	1.94	LOW	SEV	0	15
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BYPASS	VOLVO PKWY		26	31	1.27	1.21	MOD	LOW	0	0	24	22	1.36	1.73	MOD	SEV	0	7
CHES	BATTLEFIELD BLVD	VOLVO PKWY	I-64		30	16	1.06	1.87	LOW	SEV	0	9	23	10	1.38	2.83	MOD	SEV	0	16
CHES	BATTLEFIELD BLVD	I-64	MILITARY HWY		28	30	1.23	1.23	LOW	LOW	0	0	23	20	1.52	1.83	SEV	SEV	4	7
CHES	BATTLEFIELD BLVD	MILITARY HWY	CAMPOSTELLA RD		26	27	1.12	1.09	LOW	LOW	0	0	19	25	1.54	1.15	SEV	LOW	6	0
CHES	BENEFIT RD	JOHNSTOWN RD	SIGN PINE RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
CHES	BLACKWATER RD	VIRGINIA BEACH CL	FENTRESS AIRFIELD RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
CHES	BRIDGE RD	SUFFOLK CL	CHURCHLAND BLVD		28	27	1.19	1.09	LOW	LOW	0	0	25	25	1.34	1.14	MOD	LOW	0	0
CHES	BRUCE RD	TAYLOR RD	TYRE NECK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	BUTTS STATION RD	KEMPSVILLE RD	ELBOW RD		36	32	1.09	1.15	LOW	LOW	0	0	37	33	1.05	1.13	LOW	LOW	0	0
CHES	BUTTS STATION RD	ELBOW RD	CENTERVILLE TNPK		32	25	1.13	1.53	LOW	SEV	0	2	21	33	1.69	1.16	SEV	LOW	4	0
CHES	CAMPOSTELLA RD	GREAT BRIDGE BLVD	MILITARY HWY		26	27	1.10	1.09	LOW	LOW	0	0	24	24	1.18	1.25	LOW	LOW	0	0
CHES	CAMPOSTELLA RD	MILITARY HWY	BATTLEFIELD BLVD		22	21	1.05	1.17	LOW	LOW	0	0	20	18	1.12	1.39	LOW	MOD	0	0
CHES	CAMPOSTELLA RD	BATTLEFIELD BLVD	PROVIDENCE RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
CHES	CAMPOSTELLA RD	PROVIDENCE RD	ATLANTIC AVE		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
CHES	CAMPOSTELLA RD	ATLANTIC AVE	NORFOLK CL/BERKELY AVE EXT		21	24	1.25	1.16	LOW	LOW	0	0	22	24	1.22	1.17	LOW	LOW	0	0
CHES	CANAL DR	MILITARY HWY	GEORGE WASHINGTON HWY		23	16	1.38	1.80	MOD	SEV	0	6	29	14	1.12	1.99	LOW	SEV	0	9
CHES	CAVALIER BLVD	MILITARY HWY	PORTSMOUTH CL		30	26	1.10	1.20	LOW	LOW	0	0	30	26	1.08	1.18	LOW	LOW	0	0
CHES	CEDAR RD	SHIPYARD RD/MOSES GRANDY TR	SCENIC PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	CEDAR RD	SCENIC PKWY	MOSES GRANDY TRAIL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	CEDAR RD	DOMINION BLVD	BELLS MILL RD (WEST)		28	29	1.20	1.20	LOW	LOW	0	0	27	29	1.28	1.21	MOD	LOW	0	0
CHES	CEDAR RD	BELLS MILL RD (WEST)	BELLS MILL RD (EAST)		28	29	1.20	1.20	LOW	LOW	0	0	27	29	1.28	1.21	MOD	LOW	0	0
CHES	CEDAR RD	BELLS MILL RD (EAST)	BRIARFIELD DR		28	29	1.20	1.20	LOW	LOW	0	0	27	29	1.28	1.21	MOD	LOW	0	0
CHES	CEDAR RD	BRIARFIELD DR	BATTLEFIELD BLVD		28	29	1.20	1.20	LOW	LOW	0	0	27	29	1.28	1.21	MOD	LOW	0	0
CHES	CENTERVILLE TNPK	BATTLEFIELD BLVD	ETHRIDGE MANOR BLVD		45	40	1.06	1.13	LOW	LOW	0	0	45	41	1.06	1.08	LOW	LOW	0	0
CHES	CENTERVILLE TNPK	ETHRIDGE MANOR BLVD	MT PLEASANT RD		41	39	1.02	1.04	LOW	LOW	0	0	41	39	1.04	1.04	LOW	LOW	0	0
CHES	CENTERVILLE TNPK	MT PLEASANT RD	BUTTS STATION RD		30	32	1.33	1.17	MOD	LOW	0	0	33	30	1.23	1.25	LOW	MOD	0	0
CHES	CENTERVILLE TNPK	BUTTS STATION RD	ELBOW RD		25	34	1.55	1.15	SEV	LOW	6	0	27	22	1.42	1.80	SEV	SEV	1	11
CHES	CENTERVILLE TNPK	ELBOW RD	S.E. PARKWAY CORRIDOR		24	34	1.59	1.14	SEV	LOW	3	0	33	32	1.18	1.23	LOW	LOW	0	0
CHES	CENTERVILLE TNPK	S.E. PARKWAY CORRIDOR	VA BEACH CL		24	34	1.59	1.14	SEV	LOW	3	0	33	32	1.18	1.23	LOW	LOW	0	0
CHES	CHESAPEAKE EXPWY	GALLBUSH RD	BATTLEFIELD BLVD (NEAR INDIAN CREEK	NB	53	-	0.99	-	LOW	-	0	-	52	-	1.00	-	LOW	-	0	-
				SB	-	46	-	1.10	-	LOW	-	0	-	52	-	0.97	-	LOW	-	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (NEAR INDIAN CREE	HILLCREST PKWY	NB	61	-	1.01	-	LOW	-	0	-	60	-	1.01	-	LOW	-	0	-
				SB	-	57	-	1.07	-	LOW	-	0	-	62	-	0.99	-	LOW	-	0
CHES	CHESAPEAKE EXPWY	HILLCREST PKWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	NB	60	-	1.00	-	LOW	-	0	-	59	-	1.02	-	LOW	-	0	-
				SB	-	59	-	1.03	-	LOW	-	0	-	61	-	1.00	-	LOW	-	0
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	HANBURY RD	NB	56	-	1.08	-	LOW	-	0	-	61	-	1.00	-	LOW	-	0	-
				SB	-	61	-	1.02	-	LOW	-	0	-	62	-	0.99	-	LOW	-	0
CHES	CHESAPEAKE EXPWY	HANBURY RD	MT PLEASANT RD	NB	41	-	1.48	-	SEV	-	2	-	61	-	0.99	-	LOW	-	0	-
				SB	-	60	-	1.02	-	LOW	-	0	-	62	-	0.98	-	LOW	-	0
CHES	CHESAPEAKE EXPWY	MT PLEASANT RD	BATTLEFIELD BLVD (N OF GREAT BRIDGE	NB	49	-	1.19	-	MOD	-	0	-	59	-	0.99	-	LOW	-	0	-
				SB	-	58	-	1.02	-	LOW	-	0	-	52	-	1.13	-	LOW	-	0
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (N OF GREAT BRIDGE	DOMINION BLVD	NB	30	-	1.91	-	SEV	-	6	-	57	-	0.99	-	LOW	-	0	-
				SB	-	56	-	1.04	-	LOW	-	0	-	38	-	1.55	-	SEV	-	4
CHES	CHESAPEAKE EXPWY	DOMINION BLVD	I-64	NB	18	-	2.71	-	SEV	-	9	-	48	-	1.04	-	LOW	-	0	-
				SB	-	56	-	1.03	-	LOW	-	0	-	51	-	1.12	-	LOW	-	0
CHES	CHURCHLAND BLVD	WESTERN BRANCH BLVD	TOWNE POINT RD		22	18	1.09	1.33	LOW	MOD	0	0	21	20	1.15	1.14	LOW	LOW	0	0
CHES	CHURCHLAND BLVD	TOWNE POINT RD	PORTSMOUTH CL		16	15	1.33	1.31	MOD	MOD	0	0	16	14	1.29	1.39	MOD	MOD	0	0
CHES	DOCK LANDING RD	JOLLIFF RD	I-664		33	17	1.08	1.31	LOW	MOD	0	0	32	17	1.10	1.26	LOW	MOD	0	0
CHES	DOCK LANDING RD	I-664	EAGLE HILL DR		30	30	1.13	1.17	LOW	LOW	0	0	32	33	1.05	1.06	LOW	LOW	0	0
CHES	DOCK LANDING RD	EAGLE HILL DR	PORTSMOUTH BLVD		30	30	1.13	1.17	LOW	LOW	0	0	32	33	1.05	1.06	LOW	LOW	0	0
CHES	DOMINION BLVD	GEORGE WASHINGTON HWY	CEDAR RD		34	36	1.21	1.20	LOW	LOW	0	0	34	31	1.20	1.36	LOW	MOD	0	0
CHES	DOMINION BLVD/VETERANS BRIDGE	CEDAR RD	DOMINION LAKES BLVD	NB	56	-	1.00	-	LOW	-	0	-	56	-	1.00	-	LOW	-	0	-
				SB	-	58	-	1.00	-	LOW	-	0	-	58	-	1.00	-	LOW	-	0
CHES	DOMINION BLVD	DOMINION LAKES BLVD	GREAT BRIDGE BLVD	NB	56	-	1.00	-	LOW	-	0	-	56	-	1.00	-	LOW	-	0	-
				SB	-	58	-	1.00	-	LOW	-	0	-	58	-	1.00	-	LOW	-	0
CHES	DOMINION BLVD	GREAT BRIDGE BLVD	CHESAPEAKE EXPRESSWAY	NB	56	-	1.00	-	LOW	-	0	-	56	-	1.00	-	LOW	-	0	-
				SB	-	58	-	1.00	-	LOW	-	0	-	58	-	1.00	-	LOW	-	0
CHES	EDINBURGH PKWY/ST BRIDES RD	SIGN PINE RD	HILLCREST PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	ELBOW RD	BUTTS STATION RD	CENTERVILLE TNPK		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	ELBOW RD	CENTERVILLE TNPK	VA BEACH CL		40	39	1.04	1.07	LOW	LOW	0	0	37	37	1.13	1.11	LOW	LOW	0	0
CHES	ETHERIDGE MANOR RD	HILLWELL RD	RIVER GATE RD		33	35	1.05	1.04	LOW	LOW	0	0	34	35	1.03	1.04	LOW	LOW	0	0
CHES	ETHERIDGE MANOR RD	RIVER GATE RD	CENTERVILLE TPKE		33	35	1.05	1.04	LOW	LOW	0	0	34	35	1.03	1.04	LOW	LOW	0	0
CHES	FENTRESS AIRFIELD RD	BLACKWATER RD	MOUNT PLEASANT RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	FREEMAN AVE	I-464	BAINBRIDGE BLVD		9	10	1.61	1.72	SEV	SEV	6	8	11	11	1.38	1.68	MOD	SEV	0	5
CHES	GEORGE WASHINGTON HWY	NORTH CAROLINA STATE LINE	DOMINION BLVD		62	61	1.00	1.01	LOW	LOW	0	0	61	62	1.01	1.00	LOW	LOW	0	0
CHES	GEORGE WASHINGTON HWY	DOMINION BLVD	GW HWY RELOCATED		38	45	1.20	1.02	LOW	LOW	0	0	39	45	1.15	1.03	LOW	LOW	0	0
CHES	GEORGE WASHINGTON HWY	GW HWY RELOCATED	MOSES GRANDY TR @ HINTON AVE		38	45	1.20	1.02	LOW	LOW	0	0	39	45	1.15	1.03	LOW	LOW	0	0
CHES	GW HWY (DEEP CREEK BRIDGE)	MOSES GRANDY TR @ HINTON AVE	MILL CREEK PKWY		25	17	1.38	1.78	MOD	SEV	0	6	28	13	1.23	2.26	LOW	SEV	0	16
CHES	GEORGE WASHINGTON HWY	MILL CREEK PKWY	WILLOWOOD DR		25	17	1.38	1.78	MOD	SEV	0	6	28	13	1.23	2.26	LOW	SEV	0	16
CHES	GEORGE WASHINGTON HWY	WILLOWOOD DR	I-64		25	17	1.38	1.78	MOD	SEV	0	6	28	13	1.23	2.26	LOW	SEV	0	16
CHES	GEORGE WASHINGTON HWY	I-64	MILITARY HWY		23	31	1.19	1.31	LOW	MOD	0	0	21	28	1.33	1.43	MOD	SEV	0	1
CHES	GEORGE WASHINGTON HWY	MILITARY HWY	CANAL DR		23	20	1.10	1.28	LOW	MOD	0	0	22	14	1.17	1.78	LOW	SEV	0	8
CHES	GEORGE WASHINGTON HWY	CANAL DR	PORTSMOUTH CL		24	24	1.19	1.22	LOW	LOW	0	0	16	23	1.83	1.29	SEV	MOD	11	0
CHES	GREAT BRIDGE BLVD	BAINBRIDGE BLVD	CAMPOSTELLA RD		25	25	1.13	1.21	LOW	LOW	0	0	26	25	1.10	1.18	LOW	LOW	0	0
CHES	GREAT BRIDGE BLVD	CAMPOSTELLA RD	I-64		25	25	1.13	1.21	LOW	LOW	0	0	26	25	1.10	1.18	LOW	LOW	0	0
CHES	GREAT BRIDGE BLVD	I-64	DOMINION BLVD		24	24	1.09	1.21	LOW	LOW	0	0	23	25	1.13	1.18	LOW	LOW	0	0
CHES	GREAT BRIDGE BLVD	DOMINION BLVD	RIVERWALK PKWY WEST		20	27	1.35	1.16	MOD	LOW	0	0	19	26	1.44	1.19	SEV	LOW	3	0
CHES	GREAT BRIDGE BLVD	RIVERWALK PKWY WEST	BATTLEFIELD BLVD		20	27	1.35	1.16	MOD	LOW	0	0	19	26	1.44	1.19	SEV	LOW	3	0
CHES	GREENBRIER PKWY	KEMPSVILLE RD	VOLVO PKWY		28	28	1.24	1.26	LOW	MOD	0	0	26	23	1.34	1.49	MOD	SEV	0	2
CHES	GREENBRIER PKWY	VOLVO PKWY	EDEN WAY		24	23	1.19	1.08	LOW	LOW	0	0	19	16	1.51	1.57	SEV	SEV	2	8
CHES	GREENBRIER PKWY	EDEN WAY	I-64		24	23	1.19	1.08	LOW	LOW	0	0	19	16	1.51	1.57	SEV	SEV	2	8
CHES	GREENBRIER PKWY	I-64	WOODLAKE DR		16	25	1.58	1.33	SEV	MOD	4	0	15	17	1.77	1.93	SEV	SEV	15	11
CHES	GREENBRIER PKWY	WOODLAKE DR	MILITARY HWY		16	25	1.58	1.33	SEV	MOD	4	0	15	17	1.77	1.93	SEV	SEV	15	11
CHES	HANBURY RD	JOHNSTOWN RD	BATTLEFIELD BLVD		24	27	1.21	1.06	LOW	LOW	0	0	25	27	1.18	1.06	LOW	LOW	0	0
CHES	HANBURY RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		28	14	1.08	1.45	LOW	SEV	0	1	25	12	1.21	1.72	LOW	SEV	0	11
CHES	HANBURY RD	CHESAPEAKE EXPRESSWAY	HILLWELL RD		24	25	1.19	1.07	LOW	LOW	0	0	23	24	1.27	1.14	MOD	LOW	0	0
CHES	HILLCREST PKWY	EDINBURGH PKWY	CHESAPEAKE EXPRESSWAY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	HILLCREST PKWY	CHESAPEAKE EXPRESSWAY	BATTLEFIELD BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	I-64	VA BEACH CL	GREENBRIER PKWY	EB	58	-	1.04	-	LOW	-	0	-	56	-	1.08	-	LOW	-	0	-
				WB	-	48	-	1.26	-	MOD	-	0	-	54	-	1.11	-	LOW	-	0
CHES	I-64	GREENBRIER PKWY	BATTLEFIELD BLVD	EB	53	-	1.15	-	LOW	-	0	-	25	-	2.48	-	SEV	-	13	-
				WB	-	60	-	1.03	-	LOW	-	0	-	61	-	1.02	-	LOW	-	0
CHES	I-64	BATTLEFIELD BLVD	I-464	EB	42	-	1.39	-	SEV	-	2	-	16	-	3.51	-	SEV	-	15	-
				WB	-	61	-	1.01	-	LOW	-	0	-	62	-	1.00	-	LOW	-	0
CHES	I-64	I-464	GEORGE WASHINGTON HWY	EB	49	-	1.23	-	MOD	-	0	-	38	-	1.59	-	SEV	-	10	-
				WB	-	51	-	1.17	-	MOD	-	0	-	51	-	1.17	-	MOD	-	0
CHES	I-64	GEORGE WASHINGTON HWY	MILITARY HWY	EB	57	-	1.07	-	LOW	-	0	-	47	-	1.29	-	MOD	-	0	-
				WB	-	16	-	3.73	-	SEV	-	9	-	28	-	2.19	-	SEV	-	10
CHES	I-64	MILITARY HWY	I-264&664	EB	57	-	1.07	-	LOW	-	0	-	51	-	1.19	-	MOD	-	0	-
				WB	-	21	-	2.95	-	SEV	-	8	-	28	-	2.19	-	SEV	-	11
CHES	I-264	I-64&664	WCL PORTSMOUTH	EB	58	-	1.03	-	LOW	-	0	-	61	-	1.00	-	LOW	-	0	-
				WB	-	60	-	1.01	-	LOW	-	0	-	57	-	1.05	-	LOW	-	0
CHES	I-464	I-64	MILITARY HWY	NB	57	-	0.98	-	LOW	-	0	-	57	-	0.99	-	LOW	-	0	-
				SB	-	55	-	1.01	-	LOW	-	0	-	47	-	1.17	-	MOD	-	0
CHES	I-464	MILITARY HWY	FREEMAN AVE	NB	60	-	0.96	-	LOW	-	0	-	59	-	0.98	-	LOW	-	0	-
				SB	-	57	-	1.03	-	LOW	-	0	-	55	-	1.08	-	LOW	-	0
CHES	I-464	FREEMAN AVE	POINDEXTER ST	NB	49	-	1.23	-	MOD	-	0	-	61	-	0.99	-	LOW	-	0	-
				SB	-	60	-	1.02	-	LOW	-	0	-	62	-	0.99	-	LOW	-	0
CHES	I-464	POINDEXTER ST	NORFOLK CL	NB	19	-	2.97	-	SEV	-	6	-	51	-	1.13	-	LOW	-	0	-
				SB	-	57	-	1.05	-	LOW	-	0	-	61	-	0.98	-	LOW	-	0
CHES	I-664	I-64 & I-264	ROUTES 13/58/460	SB	-	56	-	1.08	-	LOW	-	0	-	57	-	1.06	-	LOW	-	0
				NB	51	-	1.16	-	MOD	-	0	-	40	-	1.50	-	SEV	-	6	-
CHES	I-664	ROUTES 13/58/460	DOCK LANDING RD	SB	-	56	-	1.08	-	LOW	-	0	-	60	-	1.02	-	LOW	-	0
				NB	51	-	1.19	-	MOD	-	0	-	53	-	1.13	-	LOW	-	0	-
CHES	I-664	DOCK LANDING RD	PORTSMOUTH BLVD	SB	-	56	-	1.10	-	LOW	-	0	-	58	-	1.07	-	LOW	-	0
				NB	49	-	1.24	-	MOD	-	0	-	60	-	1.02	-	LOW	-	0	-
CHES	I-664	PORTSMOUTH BLVD	PUGHSVILLE RD	SB	-	54	-	1.16	-	MOD	-	0	-	50	-	1.24	-	MOD	-	0
				NB	48	-	1.30	-	MOD	-	0	-	59	-	1.05	-	LOW	-	0	-
CHES	I-664	PUGHSVILLE RD	SUFFOLK CL	SB	-	55	-	1.12	-	LOW	-	0	-	39	-	1.58	-	SEV	-	8
				NB	45	-	1.36	-	SEV	-	1	-	52	-	1.15	-	MOD	-	0	-
CHES	INDIAN RIVER RD	NORFOLK CL	KEMP LANE		28	27	1.17	1.19	LOW	LOW	0	0	28	28	1.17	1.16	LOW	LOW	0	0
CHES	INDIAN RIVER RD	KEMP LANE	VA BEACH CL		26	31	1.17	1.11	LOW	LOW	0	0	24	30	1.26	1.14	MOD	LOW	0	0
CHES	JOHNSTOWN RD	BENEFIT RD	STONEGATE PKWY		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
CHES	JOHNSTOWN RD	STONEGATE PKWY	HANBURY RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	JOHNSTOWN RD	HANBURY RD	PARKER RD		26	30	1.20	1.06	LOW	LOW	0	0	24	30	1.32	1.07	MOD	LOW	0	0
CHES	JOHNSTOWN RD	PARKER RD	BATTLEFIELD BLVD		26	30	1.20	1.06	LOW	LOW	0	0	24	30	1.32	1.07	MOD	LOW	0	0
CHES	JOLLIFF RD	AIRLINE BLVD	DOCK LANDING RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	JOLLIFF RD	DOCK LANDING RD	PORTSMOUTH BLVD		23	24	1.22	1.30	LOW	MOD	0	0	25	26	1.14	1.22	LOW	LOW	0	0
CHES	KEMPSVILLE RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		25	20	1.21	1.38	LOW	MOD	0	0	26	16	1.14	1.78	LOW	SEV	0	12
CHES	KEMPSVILLE RD	CHESAPEAKE EXPRESSWAY	GREENBRIER PKWY		25	20	1.21	1.38	LOW	MOD	0	0	26	16	1.14	1.78	LOW	SEV	0	12
CHES	KEMPSVILLE RD	GREENBRIER PKWY	VOLVO PKWY		39	37	1.01	1.03	LOW	LOW	0	0	37	35	1.05	1.10	LOW	LOW	0	0
CHES	KEMPSVILLE RD	VOLVO PKWY	VA BEACH CL		31	31	1.14	1.17	LOW	LOW	0	0	31	32	1.14	1.16	LOW	LOW	0	0
CHES	LIBERTY ST	SCL NORFOLK	22ND ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	LIBERTY ST	22ND ST	POINDEXTER RD		20	19	1.07	1.25	LOW	LOW	0	0	18	19	1.15	1.21	LOW	LOW	0	0
CHES	LIBERTY ST	POINDEXTER RD	OLD ATLANTIC AVE		20	19	1.07	1.25	LOW	LOW	0	0	18	19	1.15	1.21	LOW	LOW	0	0
CHES	LIBERTY ST	OLD ATLANTIC AVE	CAMPOSTELLA RD		20	19	1.07	1.25	LOW	LOW	0	0	18	19	1.15	1.21	LOW	LOW	0	0
CHES	MILITARY HWY	AIRLINE BLVD	I-64		37	33	1.09	1.13	LOW	LOW	0	0	38	33	1.04	1.13	LOW	LOW	0	0
CHES	MILITARY HWY	I-64	CAVALIER BLVD		19	21	1.69	1.44	SEV	SEV	6	1	22	28	1.47	1.11	SEV	LOW	2	0
CHES	MILITARY HWY	CAVALIER BLVD	GEORGE WASHINGTON HWY		24	25	1.53	1.24	SEV	LOW	3	0	26	27	1.41	1.16	SEV	LOW	1	0
CHES	MILITARY HWY	GEORGE WASHINGTON HWY	CANAL DR		23	30	1.45	1.08	SEV	LOW	2	0	27	22	1.21	1.47	LOW	SEV	0	1
CHES	MILITARY HWY/GILMERTON BRIDGE	CANAL DR	BAINBRIDGE BLVD		34	37	1.21	1.11	LOW	LOW	0	0	33	25	1.25	1.64	MOD	SEV	0	9
CHES	MILITARY HWY	BAINBRIDGE BLVD	I-464		22	36	1.34	1.14	MOD	LOW	0	0	22	22	1.34	1.86	MOD	SEV	0	7
CHES	MILITARY HWY	I-464	CAMPOSTELLA RD		25	24	1.33	1.32	MOD	MOD	0	0	21	15	1.54	2.08	SEV	SEV	7	13

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Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	MILITARY HWY	CAMPOSTELLA RD	BATTLEFIELD BLVD		37	30	1.05	1.15	LOW	LOW	0	0	36	14	1.09	2.44	LOW	SEV	0	10
CHES	MILITARY HWY	BATTLEFIELD BLVD	ALLISON DR		27	30	1.34	1.25	MOD	MOD	0	0	24	25	1.46	1.51	SEV	SEV	3	3
CHES	MILITARY HWY	ALLISON DR	GREENBRIER PKWY		27	30	1.34	1.25	MOD	MOD	0	0	24	25	1.46	1.51	SEV	SEV	3	3
CHES	MILITARY HWY	GREENBRIER PKWY	VA BEACH CL		26	25	1.18	1.29	LOW	MOD	0	0	22	22	1.42	1.45	SEV	SEV	2	2
CHES	MOSES GRANDY TRAIL	GW HWY @ HINTON AVE	SHIPYARD/CEDAR RD/GW HWY RELOC		36	27	1.14	1.50	LOW	SEV	0	3	37	25	1.10	1.63	LOW	SEV	0	12
CHES	MOSES GRANDY TRAIL	SHIPYARD RD/CEDAR RD	CEDAR RD		36	27	1.14	1.50	LOW	SEV	0	3	37	25	1.10	1.63	LOW	SEV	0	12
CHES	MOSES GRANDY TRAIL	CEDAR RD	DOMINION BLVD		36	27	1.14	1.50	LOW	SEV	0	3	37	25	1.10	1.63	LOW	SEV	0	12
CHES	MOUNT PLEASANT RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		31	28	1.11	1.11	LOW	LOW	0	0	31	20	1.10	1.56	LOW	SEV	0	3
CHES	MOUNT PLEASANT RD	CHESAPEAKE EXPRESSWAY	CENTERVILLE TNPK		28	28	1.31	1.37	MOD	MOD	0	0	30	35	1.23	1.09	LOW	LOW	0	0
CHES	MOUNT PLEASANT RD	CENTERVILLE TNPK	FENTRESS AIRFIELD RD		43	42	1.07	1.09	LOW	LOW	0	0	46	42	1.01	1.07	LOW	LOW	0	0
CHES	MOUNT PLEASANT RD	FENTRESS AIRFIELD RD	VA BEACH CL		38	43	1.19	1.03	LOW	LOW	0	0	39	39	1.15	1.14	LOW	LOW	0	0
CHES	OLD ATLANTIC AVE	ATLANTIC AVE	LIBERTY ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	OLD BATTLEFIELD BLVD	BALLAHACK RD	BATTLEFIELD BLVD		14	26	1.37	1.02	MOD	LOW	0	0	14	25	1.30	1.06	MOD	LOW	0	0
CHES	POINDEXTER ST (S NORFOLK JORDAN	PORTSMOUTH CL	I-464		37	27	1.00	1.29	LOW	MOD	0	0	36	35	1.03	1.02	LOW	LOW	0	0
CHES	POINDEXTER ST	I-464	BAINBRIDGE BLVD		25	26	1.27	1.20	MOD	LOW	0	0	25	28	1.25	1.09	MOD	LOW	0	0
CHES	POINDEXTER ST	BAINBRIDGE BLVD	LIBERTY ST		17	18	1.14	1.13	LOW	LOW	0	0	16	17	1.23	1.17	LOW	LOW	0	0
CHES	POPLAR HILL RD	WESTERN BRANCH BLVD	CHURCHLAND BLVD		27	17	1.11	1.18	LOW	LOW	0	0	27	16	1.12	1.22	LOW	LOW	0	0
CHES	PORTSMOUTH BLVD	SUFFOLK CL	JOLLIFF RD		32	31	1.11	1.17	LOW	LOW	0	0	33	29	1.09	1.22	LOW	LOW	0	0
CHES	PORTSMOUTH BLVD	JOLLIFF RD	I-664		32	31	1.11	1.17	LOW	LOW	0	0	33	29	1.09	1.22	LOW	LOW	0	0
CHES	PORTSMOUTH BLVD	I-664	TAYLOR RD		26	30	1.12	1.08	LOW	LOW	0	0	21	26	1.42	1.22	SEV	LOW	2	0
CHES	PORTSMOUTH BLVD	TAYLOR RD	DOCK LANDING RD		26	30	1.12	1.08	LOW	LOW	0	0	21	26	1.42	1.22	SEV	LOW	2	0
CHES	PORTSMOUTH BLVD	DOCK LANDING RD	PORTSMOUTH CL		31	30	1.06	1.08	LOW	LOW	0	0	28	26	1.16	1.22	LOW	LOW	0	0
CHES	PROVIDENCE RD	ATLANTIC AVE	CAMPOSTELLA RD		23	25	1.19	1.13	LOW	LOW	0	0	24	25	1.16	1.10	LOW	LOW	0	0
CHES	PROVIDENCE RD	CAMPOSTELLA RD	VA BEACH CL		23	25	1.19	1.13	LOW	LOW	0	0	24	25	1.16	1.10	LOW	LOW	0	0
CHES	PUGHSVILLE RD	SUFFOLK CL	I-664		33	32	1.00	1.05	LOW	LOW	0	0	30	31	1.09	1.09	LOW	LOW	0	0
CHES	PUGHSVILLE RD	I-664	TAYLOR RD		16	29	1.57	1.03	SEV	LOW	8	0	14	26	1.85	1.15	SEV	LOW	16	0
CHES	ROUTE 13/58/460	SUFFOLK CL	I-664	EB	53	-	1.06	-	LOW	-	0	-	56	-	1.01	-	LOW	-	0	-
				WB	-	62	-	1.00	-	LOW	-	0	-	60	-	1.03	-	LOW	-	0
CHES	SIGN PINE RD	EDINBURGH PKWY	BENEFIT RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	TAYLOR RD	PORTSMOUTH BLVD	ELIZABETH HARBOR RD		28	28	1.10	1.01	LOW	LOW	0	0	26	24	1.16	1.15	LOW	LOW	0	0
CHES	TAYLOR RD	ELIZABETH HARBOR RD	BRUCE RD		28	28	1.10	1.01	LOW	LOW	0	0	26	24	1.16	1.15	LOW	LOW	0	0
CHES	TAYLOR RD	BRUCE RD	PUGHSVILLE RD		25	22	1.13	1.19	LOW	LOW	0	0	22	20	1.31	1.32	MOD	MOD	0	0
CHES	TAYLOR RD	PUGHSVILLE RD	WESTERN BRANCH BLVD		30	29	1.08	1.13	LOW	LOW	0	0	31	30	1.05	1.11	LOW	LOW	0	0
CHES	TOWNE POINT RD	PORTSMOUTH CL	CHURCHLAND BLVD		14	15	1.29	1.22	MOD	LOW	0	0	14	14	1.28	1.32	MOD	MOD	0	0
CHES	TYRE NECK RD	BRUCE RD	SILVERWOOD BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	TYRE NECK RD	SILVERWOOD BLVD	PORTSMOUTH CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
CHES	VOLVO PKWY	BATTLEFIELD BLVD	GREENBRIER PKWY		20	19	1.27	1.22	MOD	LOW	0	0	15	15	1.62	1.61	SEV	SEV	4	2
CHES	VOLVO PKWY	GREENBRIER PKWY	EDEN WAY		26	22	1.13	1.34	LOW	MOD	0	0	21	24	1.41	1.23	SEV	LOW	1	0
CHES	VOLVO PKWY	EDEN WAY	KEMPSVILLE RD		26	22	1.13	1.34	LOW	MOD	0	0	21	24	1.41	1.23	SEV	LOW	1	0
CHES	VOLVO PKWY	KEMPSVILLE RD	VA BEACH CL		26	17	1.13	1.45	LOW	SEV	0	2	26	16	1.10	1.46	LOW	SEV	0	2
CHES	WESTERN BRANCH BLVD	CHURCHLAND BLVD	TAYLOR RD		24	23	1.15	1.11	LOW	LOW	0	0	21	21	1.29	1.24	MOD	LOW	0	0
CHES	WESTERN BRANCH BLVD	TAYLOR RD	PORTSMOUTH CL		24	23	1.15	1.11	LOW	LOW	0	0	21	21	1.29	1.24	MOD	LOW	0	0
FR	ARMORY DR	ROUTE 58	BAILEY DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	ARMORY DR	BAILEY DR	COLLEGE DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	ARMORY DR	COLLEGE DR	GARDNER ST		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
FR	ARMORY DR/SECOND AVE	GARDNER ST	HIGH ST		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
FR	CLAY ST	SOUTHAMPTON CL	COLLEGE DR		41	45	1.05	1.02	LOW	LOW	0	0	41	38	1.07	1.19	LOW	LOW	0	0
FR	CLAY ST	COLLEGE DR	HOMESTEAD RD		29	27	1.01	1.00	LOW	LOW	0	0	25	25	1.16	1.08	LOW	LOW	0	0
FR	CLAY ST	HOMESTEAD RD	LEE ST		29	27	1.01	1.00	LOW	LOW	0	0	25	25	1.16	1.08	LOW	LOW	0	0
FR	CLAY ST/FOURTH AVE	LEE ST	HIGH ST		29	27	1.01	1.00	LOW	LOW	0	0	25	25	1.16	1.08	LOW	LOW	0	0
FR	COLLEGE DR	SOUTH ST	ARMORY DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	COLLEGE DR	ARMORY DR	CLAY ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	FAIRVIEW DR	HUNTERDALE RD	CRESENT DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	FAIRVIEW DR	CRESENT DR	HIGH ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	FOURTH AVE/MECHANIC ST	HIGH ST	SECOND AVE		12	14	1.07	1.07	LOW	LOW	0	0	12	14	1.10	1.10	LOW	LOW	0	0
FR	HIGH ST	SOUTH ST	SECOND AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
FR	HIGH ST	SECOND AVE	FOURTH AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	HIGH ST	FOURTH AVE	HOMESTEAD RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	HIGH ST	HOMESTEAD RD	FAIRVIEW DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	HUNTERDALE RD	CLAY ST	FAIRVIEW DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	MAIN ST	SOUTH ST	SECOND AVE		21	21	1.05	1.07	LOW	LOW	0	0	21	21	1.05	1.07	LOW	LOW	0	0
FR	PRETLOW ST	ROUTE 58	MORTON ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	PRETLOW ST	MORTON ST	LAUREL ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	PRETLOW ST	LAUREL ST	SOUTH ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	SECOND AVE	HIGH ST	MAIN ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
FR	SECOND AVE	MAIN ST	MECHANIC ST		30	30	1.06	1.07	LOW	LOW	0	0	30	30	1.06	1.07	LOW	LOW	0	0
FR	SECOND AVE	MECHANIC ST	ISLE OF WIGHT CL		30	30	1.06	1.07	LOW	LOW	0	0	30	30	1.06	1.07	LOW	LOW	0	0
FR	SOUTH ST	ROUTE 58	COLLEGE DR		21	21	1.05	1.07	LOW	LOW	0	0	21	21	1.05	1.07	LOW	LOW	0	0
FR	SOUTH ST	COLLEGE DR	PRETLOW ST		21	21	1.05	1.07	LOW	LOW	0	0	21	21	1.05	1.07	LOW	LOW	0	0
FR	SOUTH ST	PRETLOW ST	HIGH ST		21	21	1.05	1.07	LOW	LOW	0	0	21	21	1.05	1.07	LOW	LOW	0	0
FR	SOUTH ST	HIGH ST	MAIN ST		21	21	1.05	1.07	LOW	LOW	0	0	21	21	1.05	1.07	LOW	LOW	0	0
GLO	BELROI RD	HICKORY FORK RD	ROUTE 17		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
GLO	GUINEA RD	ROUTE 17	MARYUS RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
GLO	HICKORY FORK RD	ROUTE 17	BELROI RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
GLO	RTE 3/14	RTE 17 BUS	COW CREEK		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
GLO	RTE 3/14	COW CREEK	MATHEWS CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
GLO	RTE 14	KING AND QUEEN CL	ROUTE 17		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
GLO	RTE 17 (COLEMAN BRIDGE)	YORK CL	RTE 216 (GUINEA RD)		46	45	1.07	1.09	LOW	LOW	0	0	39	44	1.24	1.11	LOW	LOW	0	0
GLO	RTE 17	RTE 216 (GUINEA RD)	RTE 614 (HICKORY FORK RD)		46	45	1.07	1.09	LOW	LOW	0	0	39	44	1.24	1.11	LOW	LOW	0	0
GLO	RTE 17	RTE 614 (HICKORY FORK RD)	RTE 17 BUS S (MAIN ST)		40	44	1.23	1.08	LOW	LOW	0	0	36	42	1.35	1.14	MOD	LOW	0	0
GLO	RTE 17	RTE 17 BUS S (MAIN ST)	RTE 17 BUS N (MAIN ST)		43	42	1.12	1.12	LOW	LOW	0	0	39	40	1.24	1.18	LOW	LOW	0	0
GLO	RTE 17	RTE 17 BUS N (MAIN ST)	RTE 606 (ARK RD)		48	48	1.10	1.07	LOW	LOW	0	0	47	47	1.11	1.10	LOW	LOW	0	0
GLO	RTE 17	RTE 606 (ARK RD)	ROUTE 14		56	56	1.04	1.04	LOW	LOW	0	0	57	56	1.02	1.04	LOW	LOW	0	0
GLO	RTE 17	ROUTE 14	ROUTES 33/198		54	56	1.06	1.04	LOW	LOW	0	0	54	57	1.06	1.03	LOW	LOW	0	0
GLO	RTE 17	ROUTES 33/198	MIDDLESEX CL		52	50	1.07	1.11	LOW	LOW	0	0	54	52	1.02	1.08	LOW	LOW	0	0
GLO	RTE 33	KING AND QUEEN CL	ROUTE 17		55	56	1.03	1.02	LOW	LOW	0	0	55	57	1.05	1.01	LOW	LOW	0	0
GLO	RTE 198	ROUTE 17	RTE 601 (PAMPA RD)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
GLO	RTE 198	RTE 601 (PAMPA RD)	RTE 606 (HARCUM RD)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
GLO	RTE 198	RTE 606 (HARCUM RD)	MATHEWS CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
GLO	MAIN ST (BUS RTE 17)	RTE 17 (SOUTH INTERSECTION)	RTE 3/14E		34	33	1.08	1.11	LOW	LOW	0	0	27	31	1.36	1.18	MOD	LOW	0	0
HAM	ABERDEEN RD	NEWPORT NEWS CL	PEMBROKE AVE		28	29	1.14	1.12	LOW	LOW	0	0	28	29	1.15	1.14	LOW	LOW	0	0
HAM	ABERDEEN RD	PEMBROKE AVE	I-664		19	12	1.35	1.95	MOD	SEV	0	11	19	15	1.34	1.55	MOD	SEV	0	8
HAM	ABERDEEN RD	I-664	BRIARFIELD RD		25	24	1.14	1.21	LOW	LOW	0	0	23	24	1.22	1.20	LOW	LOW	0	0
HAM	ABERDEEN RD	BRIARFIELD RD	MERCURY BLVD		29	32	1.10	1.06	LOW	LOW	0	0	28	31	1.14	1.10	LOW	LOW	0	0
HAM	ABERDEEN RD	MERCURY BLVD	TODDS LA		12	11	1.48	1.42	SEV	SEV	4	2	11	11	1.59	1.46	SEV	SEV	5	6
HAM	ARMISTEAD AVE	COMMANDER SHEPARD BLVD	HRC PARKWAY		28	28	1.31	1.24	MOD	LOW	0	0	34	32	1.07	1.08	LOW	LOW	0	0
HAM	ARMISTEAD AVE	HRC PARKWAY	MERCURY BLVD		31	27	1.10	1.13	LOW	LOW	0	0	30	25	1.13	1.25	LOW	MOD	0	0
HAM	ARMISTEAD AVE	MERCURY BLVD	PINE CHAPEL RD		28	26	1.15	1.14	LOW	LOW	0	0	26	25	1.22	1.17	LOW	LOW	0	0
HAM	ARMISTEAD AVE	PINE CHAPEL RD	LASALLE AVE		28	26	1.15	1.14	LOW	LOW	0	0	26	25	1.22	1.17	LOW	LOW	0	0
HAM	ARMISTEAD AVE	LASALLE AVE	RIP RAP RD		20	26	1.40	1.18	MOD	LOW	0	0	19	26	1.48	1.17	SEV	LOW	4	0
HAM	ARMISTEAD AVE	RIP RAP RD	PEMBROKE AVE		26	27	1.14	1.11	LOW	LOW	0	0	26	23	1.17	1.29	LOW	MOD	0	0
HAM	ARMISTEAD AVE	PEMBROKE AVE	SETTLERS LANDING RD		17	17	1.30	1.32	MOD	MOD	0	0	17	18	1.30	1.26	MOD	MOD	0	0
HAM	BIG BETHEL RD	TODDS LANE	HRC PKWY		20	23	1.38	1.25	MOD	MOD	0	0	23	23	1.18	1.28	LOW	MOD	0	0
HAM	BIG BETHEL RD	HRC PKWY	THOMAS NELSON DR		32	24	1.05	1.24	LOW	LOW	0	0	32	23	1.05	1.31	LOW	MOD	0	0
HAM	BIG BETHEL RD	THOMAS NELSON DR	SAUNDERS RD		36	38	1.10	1.04	LOW	LOW	0	0	37	37	1.09	1.08	LOW	LOW	0	0
HAM	BIG BETHEL RD	SAUNDERS RD	SEMPLE FARM RD		30	32	1.11	1.06	LOW	LOW	0	0	27	32	1.21	1.07	LOW	LOW	0	0
HAM	BIG BETHEL RD	SEMPLE FARM RD	YORK CL		30	32	1.11	1.06	LOW	LOW	0	0	27	32	1.21	1.07	LOW	LOW	0	0
HAM	BRIARFIELD RD	NEWPORT NEWS CL	ABERDEEN RD		28	27	1.03	1.04	LOW	LOW	0	0	26	25	1.09	1.10	LOW	LOW	0	0
HAM	BRIARFIELD RD	ABERDEEN RD	POWER PLANT PKWY		27	26	1.05	1.12	LOW	LOW	0	0	26	26	1.11	1.15	LOW	LOW	0	0
HAM	CHESTNUT AVE	NEWPORT NEWS CL	MERCURY BLVD		27	30	1.17	1.03	LOW	LOW	0	0	29	28	1.11	1.09	LOW	LOW	0	0
HAM	COMMANDER SHEPARD BLVD	BIG BETHEL RD	NORTH CAMPUS PKWY		37	33	1.02	1.09	LOW	LOW	0	0	35	34	1.07	1.06	LOW	LOW	0	0
HAM	COMMANDER SHEPARD BLVD	NORTH CAMPUS PKWY	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		37	33	1.02	1.09	LOW	LOW	0	0	35	34	1.07	1.06	LOW	LOW	0	0

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Appendix B – Speed and Congestion Data

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
HAM	COMMANDER SHEPARD BLVD	MAGRUDER BLVD/NEIL ARMSTRONG PK	ARMISTEAD AVE		33	35	1.21	1.13	LOW	LOW	0	0	35	38	1.14	1.05	LOW	LOW	0	0
HAM	COMMANDER SHEPARD BLVD	ARMISTEAD AVE	NASA MAIN GATE		36	35	1.08	1.06	LOW	LOW	0	0	36	34	1.08	1.08	LOW	LOW	0	0
HAM	COMMANDER SHEPARD BLVD	NASA MAIN GATE	WYTHE CREEK RD		36	35	1.08	1.06	LOW	LOW	0	0	36	34	1.08	1.08	LOW	LOW	0	0
HAM	COMMANDER SHEPARD BLVD	WYTHE CREEK RD	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		18	9	1.30	1.81	MOD	SEV	0	6	17	11	1.40	1.60	MOD	SEV	0	7
HAM	COLISEUM DR	CONVENTION CENTER BLVD	PINE CHAPEL RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
HAM	COLISEUM DR	PINE CHAPEL RD	MERCURY BLVD		13	16	1.21	1.25	LOW	MOD	0	0	12	20	1.30	1.05	MOD	LOW	0	0
HAM	COLISEUM DR	MERCURY BLVD	MARCELLA DR		16	19	1.21	1.21	LOW	LOW	0	0	17	18	1.13	1.27	LOW	MOD	0	0
HAM	COLISEUM DR	MARCELLA DR	HRC PARKWAY		16	19	1.21	1.21	LOW	LOW	0	0	17	18	1.13	1.27	LOW	MOD	0	0
HAM	CONVENTION CENTER BLVD	COLISEUM DR	ARMISTEAD AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
HAM	COUNTY ST	WOODLAND RD	MALLORY ST		17	19	1.33	1.25	MOD	LOW	0	0	17	16	1.28	1.47	MOD	SEV	0	3
HAM	CUNNINGHAM DR	TODDS LA	COLISEUM DR		23	23	1.18	1.15	LOW	LOW	0	0	23	21	1.19	1.23	LOW	LOW	0	0
HAM	CUNNINGHAM DR	COLISEUM DR	MERCURY BLVD		20	20	1.11	1.11	LOW	LOW	0	0	19	19	1.13	1.14	LOW	LOW	0	0
HAM	FOX HILL RD	OLD BUCKROE RD	WOODLAND RD		29	29	1.12	1.13	LOW	LOW	0	0	29	28	1.13	1.16	LOW	LOW	0	0
HAM	FOX HILL RD	WOODLAND RD	MERCURY BLVD		29	29	1.12	1.13	LOW	LOW	0	0	29	28	1.13	1.16	LOW	LOW	0	0
HAM	HARRIS CREEK RD	FOX HILL RD	LITTLE BACK RIVER RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
HAM	HRC PARKWAY	NEWPORT NEWS CL	BIG BETHEL RD		33	39	1.19	1.06	LOW	LOW	0	0	32	39	1.24	1.07	LOW	LOW	0	0
HAM	HRC PARKWAY	BIG BETHEL RD	I-64		42	21	1.04	1.58	LOW	SEV	0	5	44	20	0.99	1.67	LOW	SEV	0	12
HAM	HRC PARKWAY	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		47	43	1.01	1.08	LOW	LOW	0	0	45	42	1.04	1.11	LOW	LOW	0	0
HAM	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	COLISEUM DR		31	39	1.19	1.16	LOW	LOW	0	0	30	42	1.22	1.08	LOW	LOW	0	0
HAM	HRC PARKWAY	COLISEUM DR	ARMISTEAD AVE		31	39	1.19	1.16	LOW	LOW	0	0	30	42	1.22	1.08	LOW	LOW	0	0
HAM	I-64	NEWPORT NEWS CL	HRC PARKWAY	EB	62	-	1.02	-	LOW	-	0	-	61	-	1.03	-	LOW	-	0	-
				WB	-	64	-	0.98	-	LOW	-	0	-	56	-	1.11	-	LOW	-	0
HAM	I-64	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	EB	61	-	1.03	-	LOW	-	0	-	60	-	1.05	-	LOW	-	0	-
				WB	-	64	-	0.97	-	LOW	-	0	-	52	-	1.19	-	MOD	-	0
HAM	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PK	MERCURY BLVD	EB	59	-	1.05	-	LOW	-	0	-	64	-	0.96	-	LOW	-	0	-
				WB	-	64	-	0.97	-	LOW	-	0	-	55	-	1.12	-	LOW	-	0
HAM	I-64	MERCURY BLVD	I-664	EB	58	-	1.07	-	LOW	-	0	-	61	-	1.00	-	LOW	-	0	-
				WB	-	62	-	0.99	-	LOW	-	0	-	60	-	1.02	-	LOW	-	0
HAM	I-64	I-664	ARMISTEAD AVE	EB	53	-	1.14	-	LOW	-	0	-	40	-	1.53	-	SEV	-	7	-
				WB	-	63	-	0.98	-	LOW	-	0	-	63	-	0.99	-	LOW	-	0
HAM	I-64	ARMISTEAD AVE	RIP RAP RD	EB	38	-	1.59	-	SEV	-	5	-	19	-	3.14	-	SEV	-	13	-
				WB	-	64	-	0.97	-	LOW	-	0	-	63	-	0.98	-	LOW	-	0
HAM	I-64	RIP RAP RD	SETTLERS LANDING RD	EB	10	-	5.75	-	SEV	-	11	-	9	-	6.80	-	SEV	-	16	-
				WB	-	61	-	0.99	-	LOW	-	0	-	62	-	0.99	-	LOW	-	0
HAM	I-64	SETTLERS LANDING RD	MALLORY ST	EB	13	-	4.26	-	SEV	-	11	-	11	-	4.75	-	SEV	-	16	-
				WB	-	52	-	1.15	-	MOD	-	0	-	61	-	0.98	-	LOW	-	0
HAM	I-64/HRBT	MALLORY ST	NORFOLK CL	EB	42	-	1.32	-	SEV	-	1	-	38	-	1.47	-	SEV	-	12	-
				WB	-	40	-	1.33	-	SEV	-	1	-	31	-	1.69	-	SEV	-	16
HAM	I-664	NEWPORT NEWS CL	ABERDEEN RD	SB	-	52	-	1.19	-	MOD	-	0	-	60	-	1.03	-	LOW	-	0
				NB	62	-	1.01	-	LOW	-	0	-	48	-	1.30	-	SEV	-	1	-
HAM	I-664	ABERDEEN RD	POWER PLANT PKWY	SB	-	53	-	1.18	-	MOD	-	0	-	63	-	1.00	-	LOW	-	0
				NB	62	-	1.00	-	LOW	-	0	-	44	-	1.42	-	SEV	-	2	-
HAM	I-664	POWER PLANT PKWY	I-64	SB	-	55	-	1.10	-	LOW	-	0	-	58	-	1.05	-	LOW	-	0
				NB	59	-	1.04	-	LOW	-	0	-	40	-	1.52	-	SEV	-	4	-
HAM	KECOUGHTAN RD	NEWPORT NEWS CL	POWHATAN PKWY		24	25	1.12	1.04	LOW	LOW	0	0	24	25	1.12	1.07	LOW	LOW	0	0
HAM	KECOUGHTAN RD	POWHATAN PKWY	LASALLE AVE		30	29	1.08	1.13	LOW	LOW	0	0	31	29	1.04	1.11	LOW	LOW	0	0
HAM	KECOUGHTAN RD	LASALLE AVE	VICTORIA BLVD		26	25	1.12	1.03	LOW	LOW	0	0	25	24	1.16	1.07	LOW	LOW	0	0
HAM	KECOUGHTAN RD	VICTORIA BLVD	SETTLERS LANDING RD		21	20	1.28	1.30	MOD	MOD	0	0	20	21	1.37	1.28	MOD	MOD	0	0
HAM	KING ST	PEMBROKE AVE	I-64 OVERPASS		23	24	1.12	1.11	LOW	LOW	0	0	22	25	1.16	1.05	LOW	LOW	0	0
HAM	KING ST	I-64 OVERPASS	RIP RAP RD		23	24	1.12	1.11	LOW	LOW	0	0	22	25	1.16	1.05	LOW	LOW	0	0
HAM	KING ST	RIP RAP RD	MERCURY BLVD		20	22	1.22	1.21	LOW	LOW	0	0	19	23	1.33	1.15	MOD	LOW	0	0
HAM	KING ST	MERCURY BLVD	OLD FOX HILL RD		25	27	1.08	1.13	LOW	LOW	0	0	24	26	1.10	1.17	LOW	LOW	0	0
HAM	KING ST	OLD FOX HILL RD	LITTLE BACK RIVER RD		25	27	1.08	1.13	LOW	LOW	0	0	24	26	1.10	1.17	LOW	LOW	0	0
HAM	KING ST	LITTLE BACK RIVER RD	LAMINGTON RD		23	21	1.06	1.29	LOW	MOD	0	0	24	27	1.03	1.00	LOW	LOW	0	0
HAM	KING ST	LAMINGTON RD	OLD BUCKINGHAM RD		23	21	1.06	1.29	LOW	MOD	0	0	24	27	1.03	1.00	LOW	LOW	0	0
HAM	KING ST	OLD BUCKINGHAM RD	LANGLEY AFB		23	21	1.06	1.29	LOW	MOD	0	0	24	27	1.03	1.00	LOW	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
HAM	LASALLE AVE	KECOUGHTAN RD	VICTORIA BLVD		26	26	1.09	1.09	LOW	LOW	0	0	25	25	1.12	1.12	LOW	LOW	0	0
HAM	LASALLE AVE	VICTORIA BLVD	SETTLERS LANDING RD		26	27	1.08	1.09	LOW	LOW	0	0	25	28	1.13	1.05	LOW	LOW	0	0
HAM	LASALLE AVE	SETTLERS LANDING RD	PEMBROKE AVE		19	20	1.20	1.19	LOW	LOW	0	0	18	20	1.29	1.24	MOD	LOW	0	0
HAM	LASALLE AVE	PEMBROKE AVE	ARMISTEAD AVE		19	20	1.20	1.19	LOW	LOW	0	0	18	20	1.29	1.24	MOD	LOW	0	0
HAM	LASALLE AVE	ARMISTEAD AVE	MERCURY BLVD		40	32	1.00	1.16	LOW	LOW	0	0	40	31	0.98	1.20	LOW	LOW	0	0
HAM	LASALLE AVE	MERCURY BLVD	LANGLEY GATE		48	44	1.00	1.08	LOW	LOW	0	0	45	47	1.06	1.00	LOW	LOW	0	0
HAM	LITTLE BACK RIVER RD	KING ST	ROCKWELL RD		-	-	-	-	MOD		-	-	-	-	-	-	SEV		-	-
HAM	LITTLE BACK RIVER RD	ROCKWELL RD	HARRIS CREEK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	YORK CL	SEMPLE FARM RD		40	38	1.10	1.19	LOW	LOW	0	0	35	41	1.27	1.10	MOD	LOW	0	0
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	SEMPLE FARM RD	COMM SHEPARD BLVD (SOUTH)		36	42	1.18	1.06	LOW	LOW	0	0	34	38	1.27	1.18	MOD	LOW	0	0
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	COMM SHEPARD BLVD (SOUTH)	HRC PARKWAY		45	36	1.06	1.22	LOW	LOW	0	0	45	40	1.08	1.12	LOW	LOW	0	0
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	HRC PARKWAY	I-64		31	41	1.32	1.12	MOD	LOW	0	0	27	42	1.51	1.10	SEV	LOW	4	0
HAM	MALLORY ST	I-64	COUNTY ST		16	10	1.22	2.21	LOW	SEV	0	6	15	7	1.30	3.13	MOD	SEV	0	13
HAM	MALLORY ST	COUNTY ST	MERCURY BLVD		16	15	1.29	1.54	MOD	SEV	0	3	16	12	1.32	1.85	MOD	SEV	0	9
HAM	MALLORY ST	MERCURY BLVD	PEMBROKE AVE		31	33	1.08	1.03	LOW	LOW	0	0	32	31	1.04	1.10	LOW	LOW	0	0
HAM	MELLEN ST	MERCURY BLVD	MALLORY ST		16	17	1.19	1.07	LOW	LOW	0	0	15	16	1.21	1.18	LOW	LOW	0	0
HAM	MERCURY BLVD	NEWPORT NEWS CL	BIG BETHEL RD		33	29	1.02	1.12	LOW	LOW	0	0	27	24	1.26	1.38	MOD	MOD	0	0
HAM	MERCURY BLVD	BIG BETHEL RD	ABERDEEN RD		37	36	1.02	1.12	LOW	LOW	0	0	31	36	1.23	1.09	LOW	LOW	0	0
HAM	MERCURY BLVD	ABERDEEN RD	POWER PLANT PKWY		26	27	1.24	1.23	LOW	LOW	0	0	19	25	1.66	1.32	SEV	MOD	8	0
HAM	MERCURY BLVD	POWER PLANT PKWY	I-64		32	21	1.11	1.42	LOW	SEV	0	1	30	15	1.18	1.99	LOW	SEV	0	16
HAM	MERCURY BLVD	I-64	COLISEUM DR		21	27	1.32	1.11	MOD	LOW	0	0	16	22	1.72	1.33	SEV	MOD	9	0
HAM	MERCURY BLVD	COLISEUM DR	CUNNINGHAM DR		21	27	1.32	1.11	MOD	LOW	0	0	16	22	1.72	1.33	SEV	MOD	9	0
HAM	MERCURY BLVD	CUNNINGHAM DR	ARMISTEAD AVE		21	27	1.32	1.11	MOD	LOW	0	0	16	22	1.72	1.33	SEV	MOD	9	0
HAM	MERCURY BLVD	ARMISTEAD AVE	LASALLE AVE		41	33	1.03	1.09	LOW	LOW	0	0	41	28	1.02	1.27	LOW	MOD	0	0
HAM	MERCURY BLVD	LASALLE AVE	KING ST		40	40	1.02	1.00	LOW	LOW	0	0	35	37	1.19	1.10	LOW	LOW	0	0
HAM	MERCURY BLVD	KING ST	FOX HILL RD		34	32	1.14	1.14	LOW	LOW	0	0	31	28	1.26	1.33	MOD	MOD	0	0
HAM	MERCURY BLVD	FOX HILL RD	ANDREWS BLVD		34	32	1.14	1.14	LOW	LOW	0	0	31	28	1.26	1.33	MOD	MOD	0	0
HAM	MERCURY BLVD	ANDREWS BLVD	PEMBROKE AVE		21	27	1.68	1.21	SEV	LOW	3	0	19	25	1.85	1.33	SEV	MOD	10	0
HAM	MERCURY BLVD	PEMBROKE AVE	WOODLAND RD		19	19	1.41	1.36	SEV	MOD	1	0	20	16	1.34	1.61	MOD	SEV	0	5
HAM	MERCURY BLVD	WOODLAND RD	MALLORY ST		25	21	1.03	1.15	LOW	LOW	0	0	23	24	1.09	1.03	LOW	LOW	0	0
HAM	MERCURY BLVD	MALLORY ST	MELLEN ST/INGALLS RD		25	21	1.03	1.15	LOW	LOW	0	0	23	24	1.09	1.03	LOW	LOW	0	0
HAM	OLD BUCKROE RD	PEMBROKE AVE	FOX HILL RD		29	29	1.04	1.06	LOW	LOW	0	0	27	27	1.10	1.13	LOW	LOW	0	0
HAM	PEMBROKE AVE	NEWPORT NEWS CL	ABERDEEN RD		30	26	1.02	1.16	LOW	LOW	0	0	29	27	1.08	1.14	LOW	LOW	0	0
HAM	PEMBROKE AVE	ABERDEEN RD	POWHATAN PKWY		29	30	1.05	1.07	LOW	LOW	0	0	27	29	1.10	1.13	LOW	LOW	0	0
HAM	PEMBROKE AVE	POWHATAN PKWY	SETTLERS LANDING RD		33	32	1.04	1.07	LOW	LOW	0	0	33	30	1.05	1.15	LOW	LOW	0	0
HAM	PEMBROKE AVE	SETTLERS LANDING RD	LASALLE AVE		15	21	1.37	1.09	MOD	LOW	0	0	11	17	1.83	1.32	SEV	MOD	12	0
HAM	PEMBROKE AVE	LASALLE AVE	ARMISTEAD AVE		25	25	1.07	1.12	LOW	LOW	0	0	23	21	1.18	1.30	LOW	MOD	0	0
HAM	PEMBROKE AVE	ARMISTEAD AVE	KING ST		22	18	1.22	1.35	LOW	MOD	0	0	23	19	1.20	1.30	LOW	MOD	0	0
HAM	PEMBROKE AVE	KING ST	EATON ST		22	18	1.22	1.35	LOW	MOD	0	0	23	19	1.20	1.30	LOW	MOD	0	0
HAM	PEMBROKE AVE	EATON ST	BARRON ST		24	27	1.17	1.10	LOW	LOW	0	0	21	26	1.34	1.13	MOD	LOW	0	0
HAM	PEMBROKE AVE	BARRON ST	MERCURY BLVD		24	27	1.17	1.10	LOW	LOW	0	0	21	26	1.34	1.13	MOD	LOW	0	0
HAM	PEMBROKE AVE	MERCURY BLVD	WOODLAND RD		25	24	1.06	1.07	LOW	LOW	0	0	25	22	1.07	1.15	LOW	LOW	0	0
HAM	PEMBROKE AVE	WOODLAND RD	OLD BUCKROE RD		25	24	1.06	1.07	LOW	LOW	0	0	25	22	1.07	1.15	LOW	LOW	0	0
HAM	PEMBROKE AVE	OLD BUCKROE RD	MALLORY ST		25	24	1.06	1.07	LOW	LOW	0	0	25	22	1.07	1.15	LOW	LOW	0	0
HAM	POWER PLANT PKWY	I-664	BRIARFIELD RD		29	29	1.11	1.14	LOW	LOW	0	0	28	29	1.16	1.13	LOW	LOW	0	0
HAM	POWER PLANT PKWY	BRIARFIELD RD	PINE CHAPEL RD		31	29	1.06	1.11	LOW	LOW	0	0	32	29	1.03	1.11	LOW	LOW	0	0
HAM	POWER PLANT PKWY	PINE CHAPEL RD	MERCURY BLVD		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
HAM	POWHATAN PKWY	KECOUGHTAN RD	PEMBROKE AVE		18	20	1.12	1.06	LOW	LOW	0	0	19	20	1.11	1.06	LOW	LOW	0	0
HAM	POWHATAN PKWY	PEMBROKE AVE	I-664		19	10	1.26	1.92	MOD	SEV	0	8	19	11	1.28	1.82	MOD	SEV	0	16
HAM	QUEEN ST	BRIARFIELD RD	MICHIGAN DR		28	28	1.07	1.09	LOW	LOW	0	0	29	29	1.04	1.05	LOW	LOW	0	0
HAM	QUEEN ST	MICHIGAN DR	PEMBROKE AVE		28	28	1.07	1.09	LOW	LOW	0	0	29	29	1.04	1.05	LOW	LOW	0	0
HAM	RIP RAP RD	ARMISTEAD AVE	I-64		16	16	1.41	1.36	SEV	MOD	1	0	13	12	1.74	1.88	SEV	SEV	12	13
HAM	RIP RAP RD	I-64	KING ST		19	30	1.17	0.89	LOW	LOW	0	0	20	26	1.14	1.00	LOW	LOW	0	0
HAM	ROANOKE AVE	NEWPORT NEWS CL	MERCURY BLVD		20	23	1.17	1.01	LOW	LOW	0	0	20	21	1.16	1.12	LOW	LOW	0	0
HAM	SAUNDERS RD	NEWPORT NEWS CL	BIG BETHEL RD		31	33	1.12	1.07	LOW	LOW	0	0	31	33	1.12	1.07	LOW	LOW	0	0
HAM	SEMPLE FARM RD	BIG BETHEL RD	BELLGRADE DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
HAM	SEMPLE FARM RD	BELLGRADE DR	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
HAM	SETTLERS LANDING RD	PEMBROKE AVE	LASALLE AVE		13	12	1.55	1.58	SEV	SEV	3	1	12	14	1.64	1.41	SEV	SEV	13	1
HAM	SETTLERS LANDING RD	LASALLE AVE	KECOUGHTAN RD		24	24	1.10	1.17	LOW	LOW	0	0	23	22	1.16	1.27	LOW	MOD	0	0
HAM	SETTLERS LANDING RD	KECOUGHTAN RD	ARMISTEAD AVE		14	12	1.37	1.47	MOD	SEV	0	1	13	11	1.44	1.60	SEV	SEV	2	8
HAM	SETTLERS LANDING RD	ARMISTEAD AVE	EATON ST		14	17	1.51	1.20	SEV	LOW	2	0	15	17	1.41	1.17	SEV	LOW	1	0
HAM	SETTLERS LANDING RD	EATON ST	TYLER ST		14	25	1.90	1.10	SEV	LOW	6	0	9	21	2.87	1.28	SEV	MOD	12	0
HAM	SETTLERS LANDING RD	TYLER ST	I-64		14	25	1.90	1.10	SEV	LOW	6	0	9	21	2.87	1.28	SEV	MOD	12	0
HAM	TODDS LA	NEWPORT NEWS CL	BIG BETHEL RD		27	28	1.09	1.08	LOW	LOW	0	0	25	27	1.16	1.13	LOW	LOW	0	0
HAM	TODDS LA	BIG BETHEL RD	ABERDEEN RD		27	26	1.09	1.12	LOW	LOW	0	0	26	24	1.12	1.22	LOW	LOW	0	0
HAM	TODDS LA	ABERDEEN RD	CUNNINGHAM DR		27	22	1.11	1.32	LOW	MOD	0	0	25	25	1.19	1.18	LOW	LOW	0	0
HAM	TODDS LA	CUNNINGHAM DR	MERCURY BLVD		14	16	1.21	1.29	LOW	MOD	0	0	13	15	1.34	1.34	MOD	MOD	0	0
HAM	WOODLAND RD	I-64	COUNTY ST		20	8	1.27	1.83	MOD	SEV	0	5	17	5	1.49	2.83	SEV	SEV	2	14
HAM	WOODLAND RD	COUNTY ST	MERCURY BLVD		20	15	1.43	1.82	SEV	SEV	2	6	24	12	1.16	2.30	LOW	SEV	0	10
HAM	WOODLAND RD	MERCURY BLVD	PEMBROKE AVE		20	23	1.31	1.19	MOD	LOW	0	0	24	24	1.11	1.14	LOW	LOW	0	0
HAM	WOODLAND RD	PEMBROKE AVE	FOX HILL RD		26	23	1.13	1.30	LOW	MOD	0	0	27	27	1.11	1.13	LOW	LOW	0	0
HAM	WYTHE CREEK RD	COMMANDER SHEPARD BLVD	POQUOSON CL		32	32	1.15	1.09	LOW	LOW	0	0	31	31	1.17	1.13	LOW	LOW	0	0
IW	BATTERY PARK RD	S CHURCH ST	NIKE PARK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	BATTERY PARK RD	NIKE PARK RD	COUNTRY WAY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	BENNS CHURCH BLVD	SUFFOLK CL	RIDDICK RD		49	48	1.02	1.08	LOW	LOW	0	0	49	51	1.02	1.01	LOW	LOW	0	0
IW	BENNS CHURCH BLVD	RIDDICK RD	ROUTE 10 & 32 (BREWERS NECK BLVD)		49	48	1.02	1.08	LOW	LOW	0	0	49	51	1.02	1.01	LOW	LOW	0	0
IW	BENNS CHURCH BLVD	ROUTE 10 & 32 (BREWERS NECK BLVD)	ECL SMITHFIELD (RTE 644)		38	41	1.11	1.10	LOW	LOW	0	0	38	41	1.11	1.10	LOW	LOW	0	0
IW	BENNS CHURCH BLVD	ECL SMITHFIELD (RTE 644)	CHURCH ST S		35	21	1.12	1.99	LOW	SEV	0	2	29	27	1.39	1.52	MOD	SEV	0	5
IW	BREWERS NECK BLVD	ROUTE 10 & 32 (BENN'S CHURCH)	RTE 670		39	47	1.19	1.03	LOW	LOW	0	0	40	46	1.18	1.05	LOW	LOW	0	0
IW	BREWERS NECK BLVD	RTE 670	ROUTE 17		39	47	1.19	1.03	LOW	LOW	0	0	40	46	1.18	1.05	LOW	LOW	0	0
IW	BUCKHORN DR	SUFFOLK CL	SUNSET DR (RTE 609)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	BUCKHORN DR	SUNSET DR (RTE 609)	SCL WINDSOR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	BUS RTE 10	NCL SMITHFIELD	JENKINS LANE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	BUS RTE 10	JENKINS LANE	RT 10 BYPASS		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	BUS RTE 58/BUS RTE 258	FRANKLIN CL	JAMESTOWN LN (RTE 691)		30	30	1.06	1.07	LOW	LOW	0	0	30	30	1.06	1.07	LOW	LOW	0	0
IW	BUS RTE 58/BUS RTE 258	JAMESTOWN LN (RTE 691)	ROUTE 258		30	30	1.06	1.07	LOW	LOW	0	0	30	30	1.06	1.07	LOW	LOW	0	0
IW	BUS RTE 58	ROUTE 258	SUFFOLK CL		45	44	1.05	1.06	LOW	LOW	0	0	45	46	1.06	1.01	LOW	LOW	0	0
IW	CARROLLTON BLVD	SUFFOLK CL	WEST END CHUCKATUCK BRIDGE		45	46	1.10	1.07	LOW	LOW	0	0	44	45	1.14	1.08	LOW	LOW	0	0
IW	CARROLLTON BLVD	WEST END CHUCKATUCK BRIDGE	ROUTE 258		45	46	1.10	1.07	LOW	LOW	0	0	44	45	1.14	1.08	LOW	LOW	0	0
IW	CARROLLTON BLVD	ROUTE 258	SMITH'S NECK RD		40	43	1.19	1.07	LOW	LOW	0	0	40	23	1.19	2.01	LOW	SEV	0	10
IW	CARROLLTON BLVD/JAMES RIVER BR	SMITH'S NECK RD	NEWPORT NEWS CL		42	47	1.18	1.03	LOW	LOW	0	0	41	32	1.19	1.51	LOW	SEV	0	4
IW	CHURCH ST S	RTE 10 BYPASS	BATTERY PARK RD		27	23	1.17	1.24	LOW	LOW	0	0	29	25	1.08	1.15	LOW	LOW	0	0
IW	CHURCH ST S	BATTERY PARK RD	CYPRESS CREEK BRIDGE		25	24	1.13	1.18	LOW	LOW	0	0	27	26	1.08	1.09	LOW	LOW	0	0
IW	CHURCH ST S	CYPRESS CREEK BRIDGE	MAIN ST		25	24	1.13	1.18	LOW	LOW	0	0	27	26	1.08	1.09	LOW	LOW	0	0
IW	CHURCH ST N	MAIN ST	SMITHFIELD CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	COURT ST	SCL WINDSOR/BUCKHORN DR	ROUTE 460		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	MAIN ST	ROUTE 10 BYPASS	CHURCH ST		13	11	1.34	1.39	MOD	MOD	0	0	16	14	1.11	1.13	LOW	LOW	0	0
IW	NIKE PARK RD	BATTERY PARK RD	TITUS CREEK DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	RESCUE RD	NEWPORT ST (RTE 1002)	SMITH'S NECK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	ROUTE 10 (OLD STAGE HWY)	BUS RTE 10	IW/SURRY CL		48	51	1.08	1.02	LOW	LOW	0	0	50	49	1.03	1.05	LOW	LOW	0	0
IW	ROUTE 10 BYPASS	CHURCH ST S	FAIRWAY DR		45	47	1.05	1.03	LOW	LOW	0	0	34	47	1.39	1.03	MOD	LOW	0	0
IW	ROUTE 10 BYPASS	FAIRWAY DR	MAIN ST		45	47	1.05	1.03	LOW	LOW	0	0	34	47	1.39	1.03	MOD	LOW	0	0
IW	ROUTE 10 BYPASS	MAIN ST	NCL SMITHFIELD		50	50	1.08	1.06	LOW	LOW	0	0	51	48	1.05	1.11	LOW	LOW	0	0
IW	ROUTE 10 BYPASS	NCL SMITHFIELD	BUS RTE 10		50	50	1.08	1.06	LOW	LOW	0	0	51	48	1.05	1.11	LOW	LOW	0	0
IW	ROUTE 258	SUFFOLK CL	UNION CAMP DR (RTE 656)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	ROUTE 258	UNION CAMP DR (RTE 656)	CARRSVILLE HWY (BUS RTE 58)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	ROUTE 258	CARRSVILLE HWY (BUS RTE 58)	BURDETTE RD (W RTE 619)		48	48	1.06	1.05	LOW	LOW	0	0	49	49	1.04	1.03	LOW	LOW	0	0
IW	ROUTE 258	BURDETTE RD (W RTE 619)	RIVER RUN TRAIL (W RTE 614)		48	48	1.06	1.05	LOW	LOW	0	0	49	49	1.04	1.03	LOW	LOW	0	0
IW	ROUTE 258	RIVER RUN TRAIL (W RTE 614)	BLACKWATER RD (RTE 603)		48	48	1.06	1.05	LOW	LOW	0	0	49	49	1.04	1.03	LOW	LOW	0	0
IW	ROUTE 258	BLACKWATER RD (RTE 603)	WCL WINDSOR		48	48	1.06	1.05	LOW	LOW	0	0	49	49	1.04	1.03	LOW	LOW	0	0
IW	ROUTE 258	WCL WINDSOR	ROUTE 460		48	48	1.06	1.05	LOW	LOW	0	0	49	49	1.04	1.03	LOW	LOW	0	0
IW	ROUTE 258	ROUTE 460	ECL WINDSOR		48	46	1.07	1.08	LOW	LOW	0	0	49	47	1.06	1.06	LOW	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
IW	ROUTE 258	ECL WINDSOR	COURT ST NORTH (RTE 610)		48	46	1.07	1.08	LOW	LOW	0	0	49	47	1.06	1.06	LOW	LOW	0	0
IW	ROUTE 258	COURT ST NORTH (RTE 610)	IRON MINE SPRINGS RD (RTE 605)		48	46	1.07	1.08	LOW	LOW	0	0	49	47	1.06	1.06	LOW	LOW	0	0
IW	ROUTE 258	IRON MINE SPRINGS RD (RTE 605)	CENTRAL HILL RD (W RTE 637)		48	46	1.07	1.08	LOW	LOW	0	0	49	47	1.06	1.06	LOW	LOW	0	0
IW	ROUTE 258	CENTRAL HILL RD (W RTE 637)	SCOTTS FACTORY RD (RTE 620)		45	47	1.15	1.10	LOW	LOW	0	0	49	50	1.06	1.04	LOW	LOW	0	0
IW	ROUTE 258	SCOTTS FACTORY RD (RTE 620)	WCL SMITHFIELD		36	34	1.09	1.17	LOW	LOW	0	0	34	37	1.15	1.07	LOW	LOW	0	0
IW	ROUTE 258/N MAIN ST	WCL SMITHFIELD	RTE 10 BYPASS		36	34	1.09	1.17	LOW	LOW	0	0	34	37	1.15	1.07	LOW	LOW	0	0
IW	ROUTE 460	SOUTHAMPTON CL	FIRETOWER RD (RTE 644)		55	54	1.01	1.02	LOW	LOW	0	0	55	54	1.01	1.03	LOW	LOW	0	0
IW	ROUTE 460	FIRETOWER RD (RTE 644)	WCL WINDSOR		55	54	1.01	1.02	LOW	LOW	0	0	55	54	1.01	1.03	LOW	LOW	0	0
IW	ROUTE 460	WCL WINDSOR	ROUTE 258		55	54	1.01	1.02	LOW	LOW	0	0	55	54	1.01	1.03	LOW	LOW	0	0
IW	ROUTE 460	ROUTE 258	COURT ST (RTE 610)		25	19	1.39	1.70	MOD	SEV	0	3	23	22	1.51	1.51	SEV	SEV	7	8
IW	ROUTE 460	COURT ST (RTE 610)	ECL WINDSOR		49	49	1.01	1.00	LOW	LOW	0	0	47	50	1.05	1.00	LOW	LOW	0	0
IW	ROUTE 460	ECL WINDSOR	SUFFOLK CL		49	49	1.01	1.00	LOW	LOW	0	0	47	50	1.05	1.00	LOW	LOW	0	0
IW	SMITH'S NECK RD	CARROLLTON BLVD	REYNOLDS DR		-	-	-	-	SEV		-	-	-	-	-	-	SEV		-	-
IW	SMITH'S NECK RD	REYNOLDS DR	TITUS CREEK DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	SMITH'S NECK RD	TITUS CREEK DR	RESCUE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	TITUS CREEK DR	SMITH'S NECK RD	NIKE PARK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
IW	TODD AVE/WARWICK ST	COUNTRY WAY	NEWPORT ST (RTE 1002)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	BARHAMSVILLE RD	I-64	ROUTE 60		47	43	1.04	1.09	LOW	LOW	0	0	50	43	0.99	1.11	LOW	LOW	0	0
JCC	CENTERVILLE RD	JOHN TYLER HWY	MONTICELLO AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	CENTERVILLE RD	MONTICELLO AVE	NEWS RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	CENTERVILLE RD	NEWS RD	LONGHILL RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	CENTERVILLE RD	LONGHILL RD	RICHMOND RD		-	-	-	-	LOW		-	-	-	-	-	-	SEV		-	-
JCC	COLONIAL NATL HIST PKWY	JAMESTOWN/RTE 359	WILLIAMSBURG CL/RTE 199		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	CROAKER RD	ROUTE 60	MAXTON LN (RTE 760)		34	29	1.13	1.21	LOW	LOW	0	0	34	27	1.10	1.29	LOW	MOD	0	0
JCC	CROAKER RD	MAXTON LN (RTE 760)	I-64		34	29	1.13	1.21	LOW	LOW	0	0	34	27	1.10	1.29	LOW	MOD	0	0
JCC	CROAKER RD	I-64	FENTON MILL RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	CROAKER RD	FENTON MILL RD	RIVERVIEW RD		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
JCC	DEPUE DR	LONGHILL RD (RTE 612)	IRONBOUND RD		37	37	1.04	1.03	LOW	LOW	0	0	35	38	1.11	1.01	LOW	LOW	0	0
JCC	I-64	NEW KENT CL	RTE 30	EB	68	-	0.98	-	LOW	-	0	-	65	-	1.02	-	LOW	-	0	-
				WB	-	67	-	1.00	-	LOW	-	0	-	68	-	0.99	-	LOW	-	0
JCC	I-64	RTE 30	CROAKER RD (RTE 607)	EB	68	-	0.97	-	LOW	-	0	-	68	-	0.97	-	LOW	-	0	-
				WB	-	67	-	0.98	-	LOW	-	0	-	68	-	0.97	-	LOW	-	0
JCC	I-64	CROAKER RD (RTE 607)	YORK CL	EB	68	-	0.97	-	LOW	-	0	-	68	-	0.97	-	LOW	-	0	-
				WB	-	66	-	1.00	-	LOW	-	0	-	68	-	0.97	-	LOW	-	0
JCC	I-64	YORK CL	NEWPORT NEWS CL	EB	48	-	1.20	-	MOD	-	0	-	45	-	1.29	-	MOD	-	0	-
				WB	-	55	-	1.05	-	LOW	-	0	-	50	-	1.16	-	MOD	-	0
JCC	IRONBOUND RD	STRAWBERRY PLAINS RD	MONTICELLO AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	IRONBOUND RD	MONTICELLO AVE	WILLIAMSBURG CL		30	26	1.04	1.02	LOW	LOW	0	0	31	26	1.02	1.04	LOW	LOW	0	0
JCC	IRONBOUND RD/NEWS RD	JOHN TYLER HWY	MONTICELLO AVE		35	34	1.02	1.07	LOW	LOW	0	0	36	33	1.01	1.08	LOW	LOW	0	0
JCC	IRONBOUND RD/SANDY BAY RD	JAMESTOWN RD	JOHN TYLER HWY		27	27	1.10	1.18	LOW	LOW	0	0	28	28	1.08	1.13	LOW	LOW	0	0
JCC	JAMESTOWN RD	JAMES RIVER/FERRY	COLONIAL PARKWAY (RTE 359)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	JAMESTOWN RD	COLONIAL PARKWAY (RTE 359)	SANDY BAY RD (RTE 681)		40	40	1.02	1.03	LOW	LOW	0	0	39	40	1.04	1.01	LOW	LOW	0	0
JCC	JAMESTOWN RD	SANDY BAY RD (RTE 681)	NECK-O-LAND RD		33	36	1.08	1.03	LOW	LOW	0	0	33	36	1.09	1.03	LOW	LOW	0	0
JCC	JAMESTOWN RD	NECK-O-LAND RD	WILLIAMSBURG CL		33	36	1.08	1.03	LOW	LOW	0	0	33	36	1.09	1.03	LOW	LOW	0	0
JCC	JOHN TYLER HWY	CHARLES CITY CL	MONTICELLO AVE		48	53	1.03	1.07	LOW	LOW	0	0	48	56	1.05	1.01	LOW	LOW	0	0
JCC	JOHN TYLER HWY	MONTICELLO AVE	CENTERVILLE RD (RTE 614)		48	53	1.03	1.07	LOW	LOW	0	0	48	56	1.05	1.01	LOW	LOW	0	0
JCC	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)	IRONBOUND RD (RTE 615)		36	38	1.10	1.07	LOW	LOW	0	0	35	38	1.10	1.06	LOW	LOW	0	0
JCC	JOHN TYLER HWY	IRONBOUND RD (RTE 615)	STANLEY DR (RTE 712)		30	33	1.09	1.04	LOW	LOW	0	0	29	31	1.12	1.09	LOW	LOW	0	0
JCC	JOHN TYLER HWY	STANLEY DR (RTE 712)	ROUTE 199		30	33	1.09	1.04	LOW	LOW	0	0	29	31	1.12	1.09	LOW	LOW	0	0
JCC	LONGHILL RD	CENTERVILLE RD (RTE 614)	OLDE TOWNE RD (RTE 658)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	LONGHILL RD	OLDE TOWNE RD (RTE 658)	ROUTE 199		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	LONGHILL RD	ROUTE 199	DEPUE DR		28	27	1.14	1.11	LOW	LOW	0	0	24	21	1.34	1.43	MOD	SEV	0	1
JCC	MERRIMAC TRL	NEWPORT NEWS CL @ I-64	YORK CL (SOUTH OF GROVE INT)		47	48	1.08	1.05	LOW	LOW	0	0	46	50	1.10	1.01	LOW	LOW	0	0
JCC	MERRIMAC TRL	YORK CL @ ROUTE 199	PENNIMAN RD (YORK CL)		40	33	1.05	1.23	LOW	LOW	0	0	40	34	1.05	1.18	LOW	LOW	0	0
JCC	MONTICELLO AVE	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	MONTICELLO AVE	CENTERVILLE RD (RTE 614)	NEWS RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
JCC	MONTICELLO AVE	NEWS RD	ROUTE 199		22	22	1.13	1.25	LOW	MOD	0	0	19	21	1.35	1.32	MOD	MOD	0	0
JCC	MONTICELLO AVE	ROUTE 199	IRONBOUND RD (RTE 615)		27	26	0.99	1.02	LOW	LOW	0	0	24	20	1.15	1.34	LOW	MOD	0	0
JCC	OLD STAGE RD	NEW KENT CL	BARNES RD (RTE 601 S)		52	46	1.05	1.16	LOW	LOW	0	0	51	50	1.06	1.08	LOW	LOW	0	0
JCC	OLD STAGE RD	BARNES RD (RTE 601 S)	I-64		51	53	1.09	1.02	LOW	LOW	0	0	55	53	1.01	1.02	LOW	LOW	0	0
JCC	OLDE TOWNE RD	LONGHILL RD	RICHMOND RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
JCC	POCAHONTAS TRL	WILLIAMSBURG CL	YORK CL @ 199		30	30	1.09	1.11	LOW	LOW	0	0	32	30	1.03	1.09	LOW	LOW	0	0
JCC	POCAHONTAS TRL	YORK CL	BASF RD/ROUTE 60 RELOCATION		36	35	1.09	1.10	LOW	LOW	0	0	34	35	1.14	1.09	LOW	LOW	0	0
JCC	POCAHONTAS TRL	BASF RD/ROUTE 60 RELOCATION	NEWPORT NEWS CL		36	35	1.09	1.10	LOW	LOW	0	0	34	35	1.14	1.09	LOW	LOW	0	0
JCC	RICHMOND RD	ROUTE 199	OLDE TOWNE RD (RTE 658)		38	38	1.05	1.08	LOW	LOW	0	0	34	36	1.18	1.14	LOW	LOW	0	0
JCC	RICHMOND RD	OLDE TOWNE RD (RTE 658)	WILLIAMSBURG CL		28	32	1.08	1.05	LOW	LOW	0	0	26	29	1.17	1.12	LOW	LOW	0	0
JCC	ROCHAMBEAU DR	ROUTE 60	0.7 MI EAST OF ASHINGTON WAY		43	44	1.12	1.14	LOW	LOW	0	0	41	47	1.18	1.06	LOW	LOW	0	0
JCC	ROCHAMBEAU DR	0.7 MI EAST OF ASHINGTON WAY	CROAKER RD (RTE 607)		43	44	1.12	1.14	LOW	LOW	0	0	41	47	1.18	1.06	LOW	LOW	0	0
JCC	ROUTE 199	YORK CL	RICHMOND RD (RTE 60)	EB	55	-	1.04	-	LOW	-	0	-	58	-	0.99	-	LOW	-	0	-
				WB	-	56	-	1.03	-	LOW	-	0	-	58	-	0.99	-	LOW	-	0
JCC	ROUTE 199	RICHMOND RD (RTE 60)	LONGHILL RD (RTE 612)	EB	57	-	1.07	-	LOW	-	0	-	59	-	1.03	-	LOW	-	0	-
				WB	-	57	-	1.08	-	LOW	-	0	-	59	-	1.04	-	LOW	-	0
JCC	ROUTE 199	LONGHILL RD (RTE 612)	MONTICELLO AVE (RTE 321)	EB	55	-	1.08	-	LOW	-	0	-	57	-	1.04	-	LOW	-	0	-
				WB	-	55	-	1.07	-	LOW	-	0	-	59	-	1.00	-	LOW	-	0
JCC	ROUTE 199	MONTICELLO AVE (RTE 321)	JOHN TYLER HWY (RTE 5)	EB	42	-	1.18	-	MOD	-	0	-	41	-	1.21	-	MOD	-	0	-
				WB	-	50	-	0.99	-	LOW	-	0	-	51	-	0.96	-	LOW	-	0
JCC	ROUTE 199	JOHN TYLER HWY (RTE 5)	WILLIAMSBURG CL		25	27	1.43	1.28	SEV	MOD	1	0	15	23	2.39	1.48	SEV	SEV	13	5
JCC	ROUTE 199	WILLIAMSBURG CL	HENRY ST/COLONIAL PKWY		41	38	1.16	1.24	LOW	LOW	0	0	41	33	1.17	1.41	LOW	SEV	0	2
JCC	ROUTE 199	HENRY ST/COLONIAL PKWY	MOUNTS BAY RD/QUARTERPATH RD		41	38	1.16	1.24	LOW	LOW	0	0	41	33	1.17	1.41	LOW	SEV	0	2
JCC	ROUTE 199	MOUNTS BAY RD/QUARTERPATH RD	RTE 60/RTE 143/YORK CL		53	44	0.99	1.14	LOW	LOW	0	0	51	28	1.04	1.82	LOW	SEV	0	3
JCC	ROUTE 60	NEW KENT CL	ROUTE 30		53	50	1.05	1.12	LOW	LOW	0	0	52	55	1.07	1.02	LOW	LOW	0	0
JCC	ROUTE 60	ROUTE 30	CROAKER RD (RTE 607)		41	38	1.04	1.11	LOW	LOW	0	0	40	41	1.06	1.03	LOW	LOW	0	0
JCC	ROUTE 60	CROAKER RD (RTE 607)	LIGHTFOOT RD (RTE 646)		35	35	1.10	1.13	LOW	LOW	0	0	34	32	1.14	1.22	LOW	LOW	0	0
JCC	ROUTE 60	LIGHTFOOT RD (RTE 646)	CENTERVILLE RD (RTE 614)		35	35	1.10	1.13	LOW	LOW	0	0	34	32	1.14	1.22	LOW	LOW	0	0
JCC	ROUTE 60	CENTERVILLE RD (RTE 614)	ROUTE 199		22	12	1.27	2.06	MOD	SEV	0	12	19	12	1.52	2.07	SEV	SEV	11	16
JCC	STRAWBERRY PLAINS RD	JOHN TYLER HWY/ROUTE 199	IRONBOUND RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	23RD/25TH CONNECTOR	HUNTINGTON AVE	JEFFERSON AVE		24	-	1.24	-	LOW	-	0	-	18	-	1.60	-	SEV	-	3	-
NN	25TH ST	HUNTINGTON AVE	WARWICK BLVD		11	10	1.24	0.74	LOW	LOW	0	0	13	8	1.00	1.00	LOW	LOW	0	0
NN	25TH ST	JEFFERSON AVE	26TH ST		19	-	1.08	-	LOW	-	0	-	17	-	1.18	-	LOW	-	0	-
NN	25TH ST	26TH ST	HAMPTON CL		24	25	1.12	1.04	LOW	LOW	0	0	24	25	1.12	1.07	LOW	LOW	0	0
NN	26TH ST	25TH ST	ROANOKE AVE		-	17	-	1.00	-	LOW	-	0	-	14	-	1.20	-	LOW	-	0
NN	26TH ST	ROANOKE AVE	JEFFERSON AVE		-	15	-	1.18	-	LOW	-	0	-	15	-	1.23	-	LOW	-	0
NN	26TH ST	JEFFERSON AVE	WARWICK BLVD		-	17	-	1.47	-	SEV	-	3	-	13	-	1.93	-	SEV	-	9
NN	26TH ST	WARWICK BLVD	HUNTINGTON AVE		-	17	-	1.47	-	SEV	-	3	-	13	-	1.93	-	SEV	-	9
NN	39TH ST	HUNTINGTON AVE	MADISON AVE		30	26	1.02	1.16	LOW	LOW	0	0	29	27	1.08	1.14	LOW	LOW	0	0
NN	39TH ST	MADISON AVE	HAMPTON CL		30	26	1.02	1.16	LOW	LOW	0	0	29	27	1.08	1.14	LOW	LOW	0	0
NN	BLAND BLVD	WARWICK BLVD	I-64		25	23	1.03	1.15	LOW	LOW	0	0	21	20	1.23	1.32	LOW	MOD	0	0
NN	BLAND BLVD	I-64	JEFFERSON AVE		25	23	1.03	1.15	LOW	LOW	0	0	21	20	1.23	1.32	LOW	MOD	0	0
NN	BLAND BLVD	JEFFERSON AVE	McMANUS BLVD		16	13	1.06	1.57	LOW	SEV	0	5	16	14	1.07	1.45	LOW	SEV	0	4
NN	BRIARFIELD RD	JEFFERSON AVE	HAMPTON CL		28	27	1.03	1.04	LOW	LOW	0	0	26	25	1.09	1.10	LOW	LOW	0	0
NN	BUXTON AVE	HAMPTON CL	25TH ST		28	29	1.14	1.12	LOW	LOW	0	0	28	29	1.15	1.14	LOW	LOW	0	0
NN	CENTER AVE	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	CHESTNUT AVE	39TH ST	44TH ST		24	23	1.14	1.24	LOW	LOW	0	0	26	22	1.08	1.26	LOW	MOD	0	0
NN	CHESTNUT AVE	44TH ST	BRIARFIELD RD		24	23	1.14	1.24	LOW	LOW	0	0	26	22	1.08	1.26	LOW	MOD	0	0
NN	CHESTNUT AVE	BRIARFIELD RD	HAMPTON CL		27	30	1.17	1.03	LOW	LOW	0	0	29	28	1.11	1.09	LOW	LOW	0	0
NN	CITY CENTER BLVD	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	DENBIGH BLVD	LUCAS CREEK RD	WARWICK BLVD		25	24	1.04	1.20	LOW	LOW	0	0	17	27	1.52	1.08	SEV	LOW	3	0
NN	DENBIGH BLVD	WARWICK BLVD	JEFFERSON AVE		28	27	1.04	1.05	LOW	LOW	0	0	26	23	1.13	1.24	LOW	LOW	0	0
NN	DENBIGH BLVD	JEFFERSON AVE	YORK CL		38	41	1.07	1.00	LOW	LOW	0	0	36	38	1.14	1.07	LOW	LOW	0	0
NN	DILIGENCE DR	THIMBLE SHOALS BLVD	J CLYDE MORRIS BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	FORT EUSTIS BLVD	WARWICK BLVD	I-64		42	42	0.99	0.99	LOW	LOW	0	0	39	38	1.05	1.10	LOW	LOW	0	0
NN	FORT EUSTIS BLVD	I-64	JEFFERSON AVE		27	27	1.21	1.25	LOW	LOW	0	0	23	27	1.42	1.26	SEV	MOD	2	0

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Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NN	FORT EUSTIS BLVD	JEFFERSON AVE	.54 MILES EAST OF RTE 143		44	47	1.05	1.05	LOW	LOW	0	0	40	48	1.14	1.01	LOW	LOW	0	0
NN	FORT EUSTIS BLVD	.54 MILES EAST OF RTE 143	YORK CL		44	47	1.05	1.05	LOW	LOW	0	0	40	48	1.14	1.01	LOW	LOW	0	0
NN	HRC PARKWAY	HARPERSVILLE RD	HAMPTON CL		33	39	1.19	1.06	LOW	LOW	0	0	32	39	1.24	1.07	LOW	LOW	0	0
NN	HARPERSVILLE RD	J CLYDE MORRIS BLVD	SAUNDERS RD		22	26	1.24	1.11	LOW	LOW	0	0	20	26	1.36	1.11	MOD	LOW	0	0
NN	HARPERSVILLE RD	SAUNDERS RD	HRC PARKWAY		29	30	1.05	1.06	LOW	LOW	0	0	28	28	1.06	1.12	LOW	LOW	0	0
NN	HARPERSVILLE RD	HRC PARKWAY	JEFFERSON AVE		26	19	1.19	1.50	LOW	SEV	0	2	25	18	1.22	1.54	LOW	SEV	0	9
NN	HARPERSVILLE RD	JEFFERSON AVE	WARWICK BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	HUNTINGTON AVE	71ST ST	39TH ST		-	32	-	1.06	-	LOW	-	0	-	20	-	1.70	-	SEV	-	1
NN	HUNTINGTON AVE	39TH ST	26TH ST		-	24	-	1.24	-	LOW	-	0	-	19	-	1.54	-	SEV	-	1
NN	HUNTINGTON AVE	26TH ST	23RD ST		-	24	-	1.24	-	LOW	-	0	-	19	-	1.54	-	SEV	-	1
NN	I-64	JAMES CITY CL	RTE 143 (NORTH)	EB	48	-	1.20	-	MOD	-	0	-	45	-	1.29	-	MOD	-	0	-
				WB	-	55	-	1.05	-	LOW	-	0	-	50	-	1.16	-	MOD	-	0
NN	I-64	RTE 143 (NORTH)	YORKTOWN RD	EB	50	-	1.14	-	LOW	-	0	-	45	-	1.28	-	MOD	-	0	-
				WB	-	47	-	1.22	-	MOD	-	0	-	41	-	1.39	-	SEV	-	2
NN	I-64	YORKTOWN RD	FORT EUSTIS BLVD	EB	61	-	1.04	-	LOW	-	0	-	63	-	1.00	-	LOW	-	0	-
				WB	-	42	-	1.37	-	SEV	-	2	-	31	-	1.84	-	SEV	-	8
NN	I-64	FORT EUSTIS BLVD	JEFFERSON AVE	EB	65	-	0.99	-	LOW	-	0	-	66	-	0.99	-	LOW	-	0	-
				WB	-	64	-	1.01	-	LOW	-	0	-	63	-	1.03	-	LOW	-	0
NN	I-64	JEFFERSON AVE	OYSTER POINT RD	EB	62	-	1.01	-	LOW	-	0	-	64	-	0.98	-	LOW	-	0	-
				WB	-	64	-	0.98	-	LOW	-	0	-	61	-	1.03	-	LOW	-	0
NN	I-64	OYSTER POINT RD	J C MORRIS BLVD	EB	62	-	1.01	-	LOW	-	0	-	61	-	1.02	-	LOW	-	0	-
				WB	-	64	-	0.98	-	LOW	-	0	-	60	-	1.05	-	LOW	-	0
NN	I-64	J C MORRIS BLVD	HAMPTON CL	EB	62	-	1.02	-	LOW	-	0	-	61	-	1.03	-	LOW	-	0	-
				WB	-	64	-	0.98	-	LOW	-	0	-	56	-	1.11	-	LOW	-	0
NN	I-664/MMMBT	SUFFOLK CL	TERMINAL AVE	SB	-	60	-	1.01	-	LOW	-	0	-	49	-	1.24	-	MOD	-	0
				NB	48	-	1.23	-	MOD	-	0	-	49	-	1.20	-	MOD	-	0	-
NN	I-664	TERMINAL AVE	23RD ST	SB	-	53	-	1.09	-	LOW	-	0	-	8	-	7.08	-	SEV	-	16
				NB	60	-	1.01	-	LOW	-	0	-	61	-	0.99	-	LOW	-	0	-
NN	I-664	23RD ST	CHESTNUT AVE	SB	-	56	-	1.10	-	LOW	-	0	-	14	-	4.41	-	SEV	-	13
				NB	62	-	0.99	-	LOW	-	0	-	58	-	1.06	-	LOW	-	0	-
NN	I-664	CHESTNUT AVE	HAMPTON CL	SB	-	52	-	1.19	-	MOD	-	0	-	60	-	1.03	-	LOW	-	0
				NB	62	-	1.01	-	LOW	-	0	-	48	-	1.30	-	SEV	-	1	-
NN	J CLYDE MORRIS BLVD	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	J CLYDE MORRIS BLVD	JEFFERSON AVE	THIMBLE SHOALS BLVD		33	25	1.07	1.33	LOW	MOD	0	0	26	20	1.33	1.65	MOD	SEV	0	8
NN	J CLYDE MORRIS BLVD	THIMBLE SHOALS BLVD	I-64		33	25	1.07	1.33	LOW	MOD	0	0	26	20	1.33	1.65	MOD	SEV	0	8
NN	J CLYDE MORRIS BLVD	I-64	HARPERSVILLE RD		30	34	1.12	1.10	LOW	LOW	0	0	17	34	1.94	1.10	SEV	LOW	13	0
NN	J CLYDE MORRIS BLVD	HARPERSVILLE RD	YORK CL		32	28	1.16	1.33	LOW	MOD	0	0	20	30	1.88	1.25	SEV	LOW	10	0
NN	JEFFERSON AVE	JAMES CITY CL	YORKTOWN RD		35	32	1.11	1.21	LOW	LOW	0	0	35	29	1.13	1.33	LOW	MOD	0	0
NN	JEFFERSON AVE	YORKTOWN RD	FORT EUSTIS BLVD		39	36	1.14	1.18	LOW	LOW	0	0	41	35	1.07	1.23	LOW	LOW	0	0
NN	JEFFERSON AVE	FORT EUSTIS BLVD	FUTURE ATKINSON BLVD		32	33	1.12	1.07	LOW	LOW	0	0	32	30	1.11	1.17	LOW	LOW	0	0
NN	JEFFERSON AVE	FUTURE ATKINSON BLVD	DENBIGH BLVD		32	33	1.12	1.07	LOW	LOW	0	0	32	30	1.11	1.17	LOW	LOW	0	0
NN	JEFFERSON AVE	DENBIGH BLVD	BLAND BLVD		28	31	1.15	0.97	LOW	LOW	0	0	24	22	1.35	1.36	MOD	MOD	0	0
NN	JEFFERSON AVE	BLAND BLVD	I-64		34	32	1.00	1.03	LOW	LOW	0	0	27	25	1.25	1.33	LOW	MOD	0	0
NN	JEFFERSON AVE	I-64	OYSTER POINT RD		34	32	1.00	1.03	LOW	LOW	0	0	27	25	1.25	1.33	LOW	MOD	0	0
NN	JEFFERSON AVE	OYSTER POINT RD	MUELLER LA		35	31	0.99	1.10	LOW	LOW	0	0	24	27	1.46	1.26	SEV	MOD	2	0
NN	JEFFERSON AVE	MUELLER LA	CITY CENTER BLVD		35	31	0.99	1.10	LOW	LOW	0	0	24	27	1.46	1.26	SEV	MOD	2	0
NN	JEFFERSON AVE	CITY CENTER BLVD	J CLYDE MORRIS BLVD		35	31	0.99	1.10	LOW	LOW	0	0	24	27	1.46	1.26	SEV	MOD	2	0
NN	JEFFERSON AVE	J CLYDE MORRIS BLVD	HARPERSVILLE RD		35	37	1.06	1.05	LOW	LOW	0	0	27	31	1.36	1.24	MOD	LOW	0	0
NN	JEFFERSON AVE	HARPERSVILLE RD	MAIN ST		34	36	1.14	1.10	LOW	LOW	0	0	28	35	1.39	1.15	MOD	LOW	0	0
NN	JEFFERSON AVE	MAIN ST	CENTER AVE		38	36	1.05	1.07	LOW	LOW	0	0	34	27	1.15	1.42	LOW	SEV	0	3
NN	JEFFERSON AVE	CENTER AVE	MERCURY BLVD		31	27	1.12	1.23	LOW	LOW	0	0	22	24	1.59	1.39	SEV	MOD	9	0
NN	JEFFERSON AVE	MERCURY BLVD	BRIARFIELD RD		28	40	1.16	0.99	LOW	LOW	0	0	21	37	1.50	1.07	SEV	LOW	3	0
NN	JEFFERSON AVE	BRIARFIELD RD	41ST ST		36	39	1.07	1.06	LOW	LOW	0	0	35	38	1.08	1.07	LOW	LOW	0	0
NN	JEFFERSON AVE	41ST ST	35TH ST		28	24	1.10	1.16	LOW	LOW	0	0	25	18	1.20	1.59	LOW	SEV	0	5
NN	JEFFERSON AVE	35TH ST	25TH ST		18	13	1.16	1.36	LOW	MOD	0	0	15	8	1.39	2.33	MOD	SEV	0	15
NN	MAIN ST	WARWICK BLVD	JEFFERSON AVE		18	18	1.19	1.23	LOW	LOW	0	0	17	16	1.24	1.31	LOW	MOD	0	0

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NN	MAIN ST	JEFFERSON AVE	HAMPTON CL		28	27	1.08	1.09	LOW	LOW	0	0	27	25	1.13	1.16	LOW	LOW	0	0
NN	MCMANUS BLVD/SIEMENS WAY	DENBIGH BLVD	BLAND BLVD		-	-	-	-	LOW		-	-	-	-	-	-	SEV		-	-
NN	MERCURY BLVD/JAMES RIVER BR	ISLE OF WIGHT CL	RIVER RD		41	46	1.18	1.03	LOW	LOW	0	0	42	30	1.18	1.59	LOW	SEV	0	7
NN	MERCURY BLVD	RIVER RD	WARWICK BLVD		41	46	1.18	1.03	LOW	LOW	0	0	42	30	1.18	1.59	LOW	SEV	0	7
NN	MERCURY BLVD	WARWICK BLVD	JEFFERSON AVE		41	46	1.18	1.03	LOW	LOW	0	0	42	30	1.18	1.59	LOW	SEV	0	7
NN	MERCURY BLVD	JEFFERSON AVE	HAMPTON CL		33	29	1.02	1.12	LOW	LOW	0	0	27	24	1.26	1.38	MOD	MOD	0	0
NN	OYSTER POINT RD	WARWICK BLVD	JEFFERSON AVE		25	26	1.14	1.15	LOW	LOW	0	0	22	20	1.28	1.46	MOD	SEV	0	3
NN	OYSTER POINT RD	JEFFERSON AVE	CANON BLVD		26	24	1.32	1.26	MOD	MOD	0	0	24	17	1.41	1.73	SEV	SEV	1	9
NN	OYSTER POINT RD	CANON BLVD	I-64		40	21	1.04	1.62	LOW	SEV	0	5	43	18	0.96	1.88	LOW	SEV	0	15
NN	RICHNECK RD	DENBIGH BLVD	JEFFERSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	RICHNECK RD	JEFFERSON AVE	OLD YORK CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	RICHNECK RD	OLD YORK CL	FORT EUSTIS BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	ROANOKE AVE	I-664	43RD ST		23	21	1.16	1.17	LOW	LOW	0	0	21	22	1.24	1.13	LOW	LOW	0	0
NN	ROANOKE AVE	43RD ST	BRIARFIELD RD		23	21	1.16	1.17	LOW	LOW	0	0	21	22	1.24	1.13	LOW	LOW	0	0
NN	ROANOKE AVE	BRIARFIELD RD	HAMPTON CL		20	23	1.17	1.01	LOW	LOW	0	0	20	21	1.16	1.12	LOW	LOW	0	0
NN	SAUNDERS RD	HARPERSVILLE RD	HAMPTON CL		31	33	1.12	1.07	LOW	LOW	0	0	31	33	1.12	1.07	LOW	LOW	0	0
NN	SHELLABARGER DR	FORT EUSTIS	WARWICK BLVD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
NN	THIMBLE SHOALS BLVD	JEFFERSON AVE	DILIGENCE DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	THIMBLE SHOALS BLVD	DILIGENCE DR	J CLYDE MORRIS BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NN	VICTORY BLVD	I-64	YORK CL		26	36	1.21	1.03	LOW	LOW	0	0	17	31	1.84	1.18	SEV	LOW	8	0
NN	WARWICK BLVD	JAMES CITY CL	YORKTOWN RD		35	36	1.10	1.09	LOW	LOW	0	0	35	34	1.09	1.14	LOW	LOW	0	0
NN	WARWICK BLVD	YORKTOWN RD	FORT EUSTIS BLVD		27	31	1.20	1.09	LOW	LOW	0	0	26	24	1.26	1.42	MOD	SEV	0	1
NN	WARWICK BLVD	FORT EUSTIS BLVD	SNIDOW BLVD		31	30	1.12	1.12	LOW	LOW	0	0	29	25	1.22	1.34	LOW	MOD	0	0
NN	WARWICK BLVD	SNIDOW BLVD	DENBIGH BLVD		31	30	1.12	1.12	LOW	LOW	0	0	29	25	1.22	1.34	LOW	MOD	0	0
NN	WARWICK BLVD	DENBIGH BLVD	BLAND BLVD		25	26	1.18	1.22	LOW	LOW	0	0	22	19	1.39	1.65	MOD	SEV	0	13
NN	WARWICK BLVD	BLAND BLVD	OYSTER POINT RD		31	30	1.08	1.14	LOW	LOW	0	0	23	25	1.50	1.40	SEV	MOD	6	0
NN	WARWICK BLVD	OYSTER POINT RD	MAXWELL LN		31	30	1.10	1.14	LOW	LOW	0	0	25	29	1.38	1.18	MOD	LOW	0	0
NN	WARWICK BLVD	MAXWELL LN	DEEP CREEK RD		31	30	1.10	1.14	LOW	LOW	0	0	25	29	1.38	1.18	MOD	LOW	0	0
NN	WARWICK BLVD	DEEP CREEK RD	J CLYDE MORRIS BLVD		31	30	1.10	1.14	LOW	LOW	0	0	25	29	1.38	1.18	MOD	LOW	0	0
NN	WARWICK BLVD	J CLYDE MORRIS BLVD	HARPERSVILLE RD		31	34	1.11	1.06	LOW	LOW	0	0	30	32	1.16	1.11	LOW	LOW	0	0
NN	WARWICK BLVD	HARPERSVILLE RD	MAIN ST		29	30	1.09	1.03	LOW	LOW	0	0	29	27	1.10	1.16	LOW	LOW	0	0
NN	WARWICK BLVD	MAIN ST	CENTER AVE		28	32	1.13	1.05	LOW	LOW	0	0	25	30	1.24	1.11	LOW	LOW	0	0
NN	WARWICK BLVD	CENTER AVE	MERCURY BLVD		28	32	1.13	1.05	LOW	LOW	0	0	25	30	1.24	1.11	LOW	LOW	0	0
NN	WARWICK BLVD	MERCURY BLVD	HUNTINGTON AVE		29	32	1.24	1.06	LOW	LOW	0	0	17	20	2.08	1.70	SEV	SEV	4	1
NN	WARWICK BLVD	23RD ST	39TH ST		20	-	1.18	-	LOW	-	0	-	22	-	1.08	-	LOW	-	0	-
NN	WARWICK BLVD	39TH ST	HUNTINGTON AVE		29	-	1.24	-	LOW	-	0	-	17	-	2.08	-	SEV	-	4	-
NN	YORKTOWN RD	WARWICK BLVD	I-64		25	22	1.07	1.11	LOW	LOW	0	0	26	23	1.05	1.08	LOW	LOW	0	0
NN	YORKTOWN RD	I-64	JEFFERSON AVE		12	18	1.54	1.41	SEV	SEV	12	1	13	16	1.43	1.57	SEV	SEV	2	4
NN	YORKTOWN RD	JEFFERSON AVE	CRAWFORD RD		40	39	1.05	1.05	LOW	LOW	0	0	41	37	1.02	1.09	LOW	LOW	0	0
NN	YORKTOWN RD	CRAWFORD RD	YORK CL		40	39	1.05	1.05	LOW	LOW	0	0	41	37	1.02	1.09	LOW	LOW	0	0
NOR	21ST ST	HAMPTON BLVD	COLLEY AVE		12	17	1.21	1.10	LOW	LOW	0	0	12	17	1.24	1.08	LOW	LOW	0	0
NOR	21ST ST	COLLEY AVE	LLEWELLYN ST		15	15	1.04	1.08	LOW	LOW	0	0	12	13	1.34	1.27	MOD	MOD	0	0
NOR	21ST ST	LLEWELLYN ST	MONTICELLO AVE		12	13	1.04	0.96	LOW	LOW	0	0	10	11	1.21	1.18	LOW	LOW	0	0
NOR	26TH ST	HAMPTON BLVD	COLLEY AVE		17	-	1.26	-	MOD	-	0	-	17	-	1.21	-	LOW	-	0	-
NOR	26TH ST	COLLEY AVE	LLEWELLYN AVE		18	-	1.06	-	LOW	-	0	-	17	-	1.09	-	LOW	-	0	-
NOR	26TH ST	LLEWELLYN AVE	MONTICELLO AVE		18	-	1.06	-	LOW	-	0	-	17	-	1.09	-	LOW	-	0	-
NOR	26TH ST	MONTICELLO AVE	CHURCH ST		13	-	1.33	-	MOD	-	0	-	15	-	1.16	-	LOW	-	0	-
NOR	26TH ST	CHURCH ST	27TH ST		24	-	1.11	-	LOW	-	0	-	21	-	1.30	-	MOD	-	0	-
NOR	27TH ST	HAMPTON BLVD	COLLEY AVE		-	17	-	1.24	-	LOW	-	0	-	17	-	1.21	-	LOW	-	0
NOR	27TH ST	COLLEY AVE	LLEWELLYN AVE		-	19	-	1.06	-	LOW	-	0	-	17	-	1.17	-	LOW	-	0
NOR	27TH ST	LLEWELLYN AVE	MONTICELLO AVE		-	19	-	1.06	-	LOW	-	0	-	17	-	1.17	-	LOW	-	0
NOR	27TH ST	MONTICELLO AVE	CHURCH ST		-	12	-	1.47	-	SEV	-	2	-	11	-	1.56	-	SEV	-	12
NOR	27TH ST	CHURCH ST	26TH ST		-	24	-	1.08	-	LOW	-	0	-	26	-	1.01	-	LOW	-	0
NOR	38TH ST	HAMPTON BLVD	COLLEY AVE		16	16	1.13	1.09	LOW	LOW	0	0	13	14	1.33	1.23	MOD	LOW	0	0
NOR	38TH ST	COLLEY AVE	LLEWELLYN AVE		15	15	1.04	1.18	LOW	LOW	0	0	14	15	1.16	1.20	LOW	LOW	0	0
NOR	38TH ST	LLEWELLYN AVE	GRANBY ST		15	15	1.04	1.18	LOW	LOW	0	0	14	15	1.16	1.20	LOW	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	4TH VIEW ST	I-64	OCEAN VIEW AVE		16	18	1.56	1.60	SEV	SEV	2	2	19	7	1.30	4.07	MOD	SEV	0	16
NOR	ADMIRAL TAUSSIG BLVD	HAMPTON BLVD	I-564		27	18	1.18	1.49	LOW	SEV	0	3	25	19	1.26	1.39	MOD	MOD	0	0
NOR	AZALEA GARDEN RD	VA BEACH BLVD	PRINCESS ANNE RD		17	16	1.18	1.19	LOW	LOW	0	0	20	17	1.04	1.12	LOW	LOW	0	0
NOR	AZALEA GARDEN RD	PRINCESS ANNE RD	SEWELLS POINT RD		24	20	1.03	1.08	LOW	LOW	0	0	22	19	1.12	1.11	LOW	LOW	0	0
NOR	AZALEA GARDEN RD	SEWELLS POINT RD	ROBIN HOOD RD		24	20	1.03	1.08	LOW	LOW	0	0	22	19	1.12	1.11	LOW	LOW	0	0
NOR	AZALEA GARDEN RD	ROBIN HOOD RD	I-64		21	23	1.21	1.13	LOW	LOW	0	0	20	22	1.25	1.20	LOW	LOW	0	0
NOR	AZALEA GARDEN RD	I-64	MILITARY HWY		21	23	1.21	1.13	LOW	LOW	0	0	20	22	1.25	1.20	LOW	LOW	0	0
NOR	AZALEA GARDEN RD	MILITARY HWY	NORVIEW AVE		27	23	1.10	1.24	LOW	LOW	0	0	26	22	1.14	1.28	LOW	MOD	0	0
NOR	AZALEA GARDEN RD	NORVIEW AVE	LITTLE CREEK RD		29	30	1.07	1.06	LOW	LOW	0	0	27	30	1.13	1.05	LOW	LOW	0	0
NOR	BAINBRIDGE BLVD	CHESAPEAKE CL	S MAIN ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	BALLENTINE BLVD	I-264	VA BEACH BLVD		17	16	1.17	1.26	LOW	MOD	0	0	16	13	1.28	1.49	MOD	SEV	0	5
NOR	BALLENTINE BLVD	VA BEACH BLVD	PRINCESS ANNE RD		15	17	1.23	1.26	LOW	MOD	0	0	12	15	1.54	1.44	SEV	SEV	3	1
NOR	BALLENTINE BLVD	PRINCESS ANNE RD	CHESAPEAKE BLVD		23	21	1.03	1.12	LOW	LOW	0	0	21	20	1.11	1.16	LOW	LOW	0	0
NOR	BAY AVE	FIRST VIEW ST	I-64		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
NOR	BAY AVE/OCEAN AVE	I-64	GRANBY ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	BAYVIEW BLVD	GRANBY ST	TIDEWATER DR		21	18	1.11	1.26	LOW	MOD	0	0	20	20	1.20	1.19	LOW	LOW	0	0
NOR	BAYVIEW BLVD	TIDEWATER DR	CHESAPEAKE BLVD		20	19	1.15	1.24	LOW	LOW	0	0	18	20	1.24	1.17	LOW	LOW	0	0
NOR	BAYVIEW BLVD	CHESAPEAKE BLVD	CAPE VIEW AVE		23	23	1.15	1.09	LOW	LOW	0	0	23	20	1.17	1.25	LOW	LOW	0	0
NOR	BERKLEY AVE	I-464	STATE ST		14	7	1.40	2.64	MOD	SEV	0	6	15	12	1.33	1.45	MOD	SEV	0	2
NOR	BERKLEY AVE	STATE ST	MAIN ST		14	7	1.40	2.64	MOD	SEV	0	6	15	12	1.33	1.45	MOD	SEV	0	2
NOR	BERKLEY AVE	MAIN ST	BERKLEY AVE EXT		26	21	1.05	1.27	LOW	MOD	0	0	26	25	1.07	1.09	LOW	LOW	0	0
NOR	BERKLEY AVE	BERKLEY AVE EXT	INDIAN RIVER RD		26	21	1.05	1.27	LOW	MOD	0	0	26	25	1.07	1.09	LOW	LOW	0	0
NOR	BERKLEY AVE EXT	BERKLEY AVE/FAUQUIER ST	WILSON RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	BERKLEY AVE EXT	WILSON RD	CAMPOSTELLA RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	BOUSH ST/WATERSIDE DR	ST PAULS BLVD	CITY HALL AVE		22	20	0.98	1.12	LOW	LOW	0	0	17	18	1.27	1.25	MOD	MOD	0	0
NOR	BOUSH ST	CITY HALL AVE	BUTE STREET		16	18	1.04	1.03	LOW	LOW	0	0	13	17	1.31	1.12	MOD	LOW	0	0
NOR	BOUSH ST	BUTE STREET	BRAMBLETON AVE		16	18	1.04	1.03	LOW	LOW	0	0	13	17	1.31	1.12	MOD	LOW	0	0
NOR	BOUSH ST	BRAMBLETON AVE	OLNEY RD		14	11	1.22	1.22	LOW	LOW	0	0	15	10	1.19	1.35	LOW	MOD	0	0
NOR	BOUSH ST	OLNEY RD	VA BEACH BLVD		14	11	1.22	1.22	LOW	LOW	0	0	15	10	1.19	1.35	LOW	MOD	0	0
NOR	BRAMBLETON AVE	HAMPTON BLVD	COLLEY AVE		21	30	1.34	1.05	MOD	LOW	0	0	20	28	1.39	1.13	MOD	LOW	0	0
NOR	BRAMBLETON AVE	COLLEY AVE	BOUSH ST		20	26	1.16	1.03	LOW	LOW	0	0	17	23	1.37	1.20	MOD	LOW	0	0
NOR	BRAMBLETON AVE	BOUSH ST	MONTICELLO AVE		14	15	1.34	1.28	MOD	MOD	0	0	15	11	1.28	1.70	MOD	SEV	0	11
NOR	BRAMBLETON AVE	MONTICELLO AVE	ST PAULS BLVD		14	15	1.34	1.28	MOD	MOD	0	0	15	11	1.28	1.70	MOD	SEV	0	11
NOR	BRAMBLETON AVE	ST PAULS BLVD	CHURCH ST		16	16	1.32	1.32	MOD	MOD	0	0	14	18	1.55	1.17	SEV	LOW	10	0
NOR	BRAMBLETON AVE	CHURCH ST	TIDEWATER DR		16	16	1.32	1.32	MOD	MOD	0	0	14	18	1.55	1.17	SEV	LOW	10	0
NOR	BRAMBLETON AVE	TIDEWATER DR	PARK AVE		27	15	1.13	1.69	LOW	SEV	0	5	22	14	1.37	1.82	MOD	SEV	0	16
NOR	BRAMBLETON AVE	PARK AVE	I-264		27	15	1.13	1.69	LOW	SEV	0	5	22	14	1.37	1.82	MOD	SEV	0	16
NOR	CAMPOSTELLA RD	SCL NORFOLK/BERKLEY AVE EXT	INDIAN RIVER RD		21	24	1.25	1.16	LOW	LOW	0	0	22	24	1.22	1.17	LOW	LOW	0	0
NOR	CAMPOSTELLA RD	INDIAN RIVER RD	WILSON RD		20	16	1.21	1.53	LOW	SEV	0	3	21	11	1.15	2.15	LOW	SEV	0	16
NOR	CAMPOSTELLA RD	WILSON RD	S. END CAMPOSTELLA BRIDGE		27	24	1.17	1.22	LOW	LOW	0	0	26	20	1.23	1.48	LOW	SEV	0	7
NOR	CAMPOSTELLA RD	S. END CAMPOSTELLA BRIDGE	KIMBALL TERR		20	32	1.50	1.06	SEV	LOW	2	0	20	31	1.55	1.07	SEV	LOW	3	0
NOR	CAMPOSTELLA RD	KIMBALL TERR	I-264		20	32	1.50	1.06	SEV	LOW	2	0	20	31	1.55	1.07	SEV	LOW	3	0
NOR	CAPE VIEW AVE	BAYVIEW BLVD	OCEAN VIEW AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	CHESAPEAKE BLVD	LAFAYETTE BLVD	CROMWELL DR		9	14	1.65	1.23	SEV	LOW	8	0	8	11	1.80	1.56	SEV	SEV	13	7
NOR	CHESAPEAKE BLVD	CROMWELL DR	ROBIN HOOD RD		24	26	1.13	1.09	LOW	LOW	0	0	23	26	1.21	1.08	LOW	LOW	0	0
NOR	CHESAPEAKE BLVD	ROBIN HOOD RD	HYDE CIR		24	26	1.13	1.09	LOW	LOW	0	0	23	26	1.21	1.08	LOW	LOW	0	0
NOR	CHESAPEAKE BLVD	HYDE CIR	NORVIEW AVE		24	26	1.13	1.09	LOW	LOW	0	0	23	26	1.21	1.08	LOW	LOW	0	0
NOR	CHESAPEAKE BLVD	NORVIEW AVE	I-64		30	21	1.17	1.30	LOW	MOD	0	0	29	20	1.18	1.38	LOW	MOD	0	0
NOR	CHESAPEAKE BLVD	I-64	JOHNSTONS RD		21	28	1.26	1.14	MOD	LOW	0	0	14	29	1.94	1.10	SEV	LOW	14	0
NOR	CHESAPEAKE BLVD	JOHNSTONS RD	LITTLE CREEK RD		21	28	1.26	1.14	MOD	LOW	0	0	14	29	1.94	1.10	SEV	LOW	14	0
NOR	CHESAPEAKE BLVD	LITTLE CREEK RD	SHEPPARD AVE		27	26	1.03	1.09	LOW	LOW	0	0	25	24	1.11	1.18	LOW	LOW	0	0
NOR	CHESAPEAKE BLVD	SHEPPARD AVE	BAYVIEW BLVD		27	26	1.03	1.09	LOW	LOW	0	0	25	24	1.11	1.18	LOW	LOW	0	0
NOR	CHESAPEAKE BLVD	BAYVIEW BLVD	CHESAPEAKE ST		27	26	1.03	1.09	LOW	LOW	0	0	25	24	1.11	1.18	LOW	LOW	0	0
NOR	CHESAPEAKE BLVD	CHESAPEAKE ST	OCEAN VIEW AVE		27	26	1.03	1.09	LOW	LOW	0	0	25	24	1.11	1.18	LOW	LOW	0	0
NOR	CHURCH ST	BRAMBLETON AVE	VA BEACH BLVD		12	11	1.34	1.37	MOD	MOD	0	0	9	7	1.66	2.17	SEV	SEV	13	11
NOR	CHURCH ST	VA BEACH BLVD	PRINCESS ANNE RD		23	24	1.11	1.06	LOW	LOW	0	0	23	21	1.10	1.20	LOW	LOW	0	0

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Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	CHURCH ST	PRINCESS ANNE RD	26TH ST		23	24	1.11	1.06	LOW	LOW	0	0	23	21	1.10	1.20	LOW	LOW	0	0
NOR	CHURCH ST	26TH ST	27TH ST		14	20	1.53	1.29	SEV	MOD	1	0	16	17	1.42	1.53	SEV	SEV	1	6
NOR	CHURCH ST	27TH ST	MONTICELLO AVE		18	19	1.19	1.08	LOW	LOW	0	0	18	16	1.19	1.28	LOW	MOD	0	0
NOR	CHURCH ST	MONTICELLO AVE	GRANBY ST		23	21	1.03	1.05	LOW	LOW	0	0	20	19	1.16	1.15	LOW	LOW	0	0
NOR	CITY HALL AVE	BOUSH ST	GRANBY ST		12	13	1.15	1.10	LOW	LOW	0	0	12	10	1.22	1.33	LOW	MOD	0	0
NOR	CITY HALL AVE	GRANBY ST	MONTICELLO AVE		12	13	1.15	1.10	LOW	LOW	0	0	12	10	1.22	1.33	LOW	MOD	0	0
NOR	CITY HALL AVE	MONTICELLO AVE	ST PAULS BLVD		12	13	1.15	1.10	LOW	LOW	0	0	12	10	1.22	1.33	LOW	MOD	0	0
NOR	COLLEY AVE	BRAMBLETON AVE	OLNEY RD		15	14	1.20	1.13	LOW	LOW	0	0	16	13	1.11	1.21	LOW	LOW	0	0
NOR	COLLEY AVE	OLNEY RD	PRINCESS ANNE RD		15	14	1.20	1.13	LOW	LOW	0	0	16	13	1.11	1.21	LOW	LOW	0	0
NOR	COLLEY AVE	PRINCESS ANNE RD	21ST ST		15	17	1.16	1.05	LOW	LOW	0	0	13	14	1.41	1.24	SEV	LOW	1	0
NOR	COLLEY AVE	21ST ST	26TH ST		17	18	1.14	1.12	LOW	LOW	0	0	13	14	1.45	1.44	SEV	SEV	1	3
NOR	COLLEY AVE	26TH ST	27TH ST		13	12	1.34	1.45	MOD	SEV	0	1	13	9	1.40	1.93	SEV	SEV	1	12
NOR	COLLEY AVE	27TH ST	38TH ST		21	22	1.10	1.04	LOW	LOW	0	0	22	19	1.05	1.24	LOW	LOW	0	0
NOR	COLLEY AVE	38TH ST	53RD ST		21	22	1.10	1.04	LOW	LOW	0	0	22	19	1.05	1.24	LOW	LOW	0	0
NOR	CROMWELL DR	TAIT TERRACE DR	CHESAPEAKE BLVD		24	26	1.15	1.21	LOW	LOW	0	0	23	30	1.23	1.04	LOW	LOW	0	0
NOR	CROMWELL DR	CHESAPEAKE BLVD	TIDEWATER DR		23	25	1.13	1.03	LOW	LOW	0	0	22	23	1.15	1.11	LOW	LOW	0	0
NOR	DUKE ST	OLNEY RD	BRAMBLETON AVE		12	10	1.26	1.27	MOD	MOD	0	0	13	11	1.17	1.14	LOW	LOW	0	0
NOR	GRANBY ST	CHURCH ST	38TH ST		23	21	1.03	1.05	LOW	LOW	0	0	20	19	1.16	1.15	LOW	LOW	0	0
NOR	GRANBY ST	38TH ST	LLEWELLYN AVE		25	27	1.14	1.03	LOW	LOW	0	0	23	24	1.24	1.16	LOW	LOW	0	0
NOR	GRANBY ST	LLEWELLYN AVE	WILLOW WOOD DRIVE		25	27	1.14	1.03	LOW	LOW	0	0	23	24	1.24	1.16	LOW	LOW	0	0
NOR	GRANBY ST	WILLOW WOOD DRIVE	THOLE ST		31	30	1.05	1.07	LOW	LOW	0	0	29	27	1.10	1.18	LOW	LOW	0	0
NOR	GRANBY ST	THOLE ST	LITTLE CREEK RD		20	20	1.15	1.20	LOW	LOW	0	0	16	17	1.43	1.39	SEV	MOD	3	0
NOR	GRANBY ST	LITTLE CREEK RD	I-564		20	20	1.15	1.20	LOW	LOW	0	0	16	17	1.43	1.39	SEV	MOD	3	0
NOR	GRANBY ST	I-564	I-64		27	24	1.20	1.22	LOW	LOW	0	0	26	22	1.24	1.36	LOW	MOD	0	0
NOR	GRANBY ST	I-64	BAYVIEW BLVD		28	26	1.34	1.42	MOD	SEV	0	1	27	33	1.35	1.11	MOD	LOW	0	0
NOR	GRANBY ST	BAYVIEW BLVD	BAY AVE		28	28	1.18	1.15	LOW	LOW	0	0	28	26	1.18	1.23	LOW	LOW	0	0
NOR	GRANBY ST	BAY AVE	TIDEWATER DR		28	28	1.18	1.15	LOW	LOW	0	0	28	26	1.18	1.23	LOW	LOW	0	0
NOR	GRANBY ST	TIDEWATER DR	OCEAN VIEW AVE		24	31	1.13	1.02	LOW	LOW	0	0	24	28	1.13	1.11	LOW	LOW	0	0
NOR	HAMPTON BLVD	BRAMBLETON AVE	PRINCESS ANNE RD		18	23	1.54	1.21	SEV	LOW	3	0	22	15	1.24	1.93	LOW	SEV	0	12
NOR	HAMPTON BLVD	PRINCESS ANNE RD	21ST ST		18	23	1.54	1.21	SEV	LOW	3	0	22	15	1.24	1.93	LOW	SEV	0	12
NOR	HAMPTON BLVD	21ST ST	26TH ST		21	25	1.25	1.12	LOW	LOW	0	0	23	14	1.15	1.99	LOW	SEV	0	10
NOR	HAMPTON BLVD	26TH ST	27TH ST		21	25	1.25	1.12	LOW	LOW	0	0	23	14	1.15	1.99	LOW	SEV	0	10
NOR	HAMPTON BLVD	27TH ST	38TH ST		25	18	1.07	1.37	LOW	MOD	0	0	24	17	1.12	1.45	LOW	SEV	0	3
NOR	HAMPTON BLVD	38TH ST	JAMESTOWN CRESCENT		25	18	1.07	1.37	LOW	MOD	0	0	24	17	1.12	1.45	LOW	SEV	0	3
NOR	HAMPTON BLVD	JAMESTOWN CRESCENT	LITTLE CREEK RD		26	33	1.20	1.00	LOW	LOW	0	0	26	32	1.20	1.02	LOW	LOW	0	0
NOR	HAMPTON BLVD	LITTLE CREEK RD	INTERNATIONAL TERMINAL BLVD		26	33	1.20	1.00	LOW	LOW	0	0	26	32	1.20	1.02	LOW	LOW	0	0
NOR	HAMPTON BLVD	INTERNATIONAL TERMINAL BLVD	INTERMODAL CONNECTOR		19	22	1.42	1.13	SEV	LOW	1	0	25	23	1.08	1.04	LOW	LOW	0	0
NOR	HAMPTON BLVD	INTERMODAL CONNECTOR	ADM TAUSSIG BLVD		19	22	1.42	1.13	SEV	LOW	1	0	25	23	1.08	1.04	LOW	LOW	0	0
NOR	I-64/HRBT	HAMPTON CL	OCEAN VIEW AVE	EB	42	-	1.32	-	SEV	-	1	-	38	-	1.47	-	SEV	-	12	-
				WB	-	40	-	1.33	-	SEV	-	1	-	31	-	1.69	-	SEV	-	16
NOR	I-64	OCEAN VIEW AVE	4TH VIEW AVE	EB	55	-	1.08	-	LOW	-	0	-	53	-	1.12	-	LOW	-	0	-
				WB	-	37	-	1.53	-	SEV	-	5	-	23	-	2.43	-	SEV	-	16
NOR	I-64	4TH VIEW AVE	BAY AVE	EB	54	-	1.13	-	LOW	-	0	-	43	-	1.42	-	SEV	-	3	-
				WB	-	37	-	1.60	-	SEV	-	6	-	13	-	4.66	-	SEV	-	16
NOR	I-64	BAY AVE	GRANBY ST	EB	59	-	1.01	-	LOW	-	0	-	52	-	1.15	-	LOW	-	0	-
				WB	-	44	-	1.37	-	SEV	-	5	-	12	-	4.95	-	SEV	-	16
NOR	I-64	GRANBY ST	I-564/LITTLE CREEK RD	EB	61	-	0.99	-	LOW	-	0	-	48	-	1.26	-	MOD		0	-
				WB	-	44	-	1.35	-	SEV	-	1	-	14	-	4.29	-	SEV	-	14
NOR	I-64	I-564/LITTLE CREEK RD	TIDEWATER DR	REV	-	53	-	1.19	-	MOD	-	0	62	-	1.05	-	LOW	-	0	-
				EB	54	-	1.12	-	LOW	-	0	-	29	-	2.08	-	SEV	-	8	-
				WB	-	52	-	1.14	-	LOW	-	0	-	44	-	1.37	-	SEV	-	2
NOR	I-64	TIDEWATER DR	CHESAPEAKE BLVD	REV	-	59	-	1.12	-	LOW	-	0	63	-	1.06	-	LOW	-	0	-
				EB	39	-	1.56	-	SEV	-	3	-	30	-	2.00	-	SEV	-	11	-
				WB	-	42	-	1.45	-	SEV	-	5	-	58	-	1.04	-	LOW	-	0
NOR	I-64	CHESAPEAKE BLVD	NORVIEW AVE	REV	-	60	-	1.10	-	LOW	-	0	64	-	1.06	-	LOW	-	0	-
				EB	33	-	1.81	-	SEV	-	4	-	32	-	1.88	-	SEV	-	12	-
				WB	-	44	-	1.39	-	SEV	-	6	-	57	-	1.07	-	LOW	-	0

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Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	I-64	NORVIEW AVE	MILITARY HWY	REV	-	66	-	1.02	-	LOW	-	0	62	-	1.08	-	LOW	-	0	-
				EB	46	-	1.28	-	MOD	-	0	-	41	-	1.45	-	SEV	-	10	-
				WB	-	48	-	1.27	-	MOD	-	0	-	60	-	1.01	-	LOW	-	0
NOR	I-64	MILITARY HWY	NORTHAMPTON BLVD	REV	-	65	-	1.03	-	LOW	-	0	62	-	1.08	-	LOW	-	0	-
				EB	50	-	1.18	-	MOD	-	0	-	39	-	1.51	-	SEV	-	12	-
				WB	-	48	-	1.22	-	MOD	-	0	-	55	-	1.09	-	LOW	-	0
NOR	I-64	NORTHAMPTON BLVD	I-264	REV	-	60	-	1.09	-	LOW	-	0	61	-	1.07	-	LOW	-	0	-
				EB	46	-	1.26	-	MOD	-	0	-	41	-	1.43	-	SEV	-	7	-
				WB	-	51	-	1.17	-	MOD	-	0	-	49	-	1.20	-	MOD	-	0
NOR	I-64	I-264	VA BEACH CL	EB	60	-	1.00	-	LOW	-	0	-	50	-	1.21	-	MOD	-	0	-
				WB	-	37	-	1.47	-	SEV	-	5	-	23	-	2.34	-	SEV	-	15
NOR	I-264/DOWNTOWN TUNNEL	PORTSMOUTH CL	I-464	EB	23	-	2.04	-	SEV	-	7	-	21	-	2.26	-	SEV	-	12	-
				WB	-	32	-	1.39	-	SEV	-	3	-	26	-	1.72	-	SEV	-	11
NOR	I-264/BERKLEY BRIDGE	I-464	WATERSIDE/CITY HALL/TIDEWATER	EB	42	-	1.18	-	MOD	-	0	-	39	-	1.30	-	SEV	-	1	-
				WB	-	34	-	1.32	-	SEV	-	2	-	17	-	2.67	-	SEV	-	12
NOR	I-264	WATERSIDE/CITY HALL/TIDEWATER	BRAMBLETON AVE	EB	58	-	0.97	-	LOW	-	0	-	45	-	1.23	-	MOD	-	0	-
				WB	-	41	-	1.23	-	MOD	-	0	-	15	-	3.39	-	SEV	-	10
NOR	I-264	BRAMBLETON AVE	BALLENTINE BLVD	EB	57	-	1.05	-	LOW	-	0	-	43	-	1.37	-	SEV	-	1	-
				WB	-	52	-	1.08	-	LOW	-	0	-	34	-	1.68	-	SEV	-	5
NOR	I-264	BALLENTINE BLVD	MILITARY HWY	EB	60	-	1.00	-	LOW	-	0	-	38	-	1.58	-	SEV	-	4	-
				WB	-	56	-	1.06	-	LOW	-	0	-	58	-	1.04	-	LOW	-	0
NOR	I-264	MILITARY HWY	I-64	EB	56	-	1.09	-	LOW	-	0	-	31	-	1.95	-	SEV	-	6	-
				WB	-	54	-	1.17	-	MOD	-	0	-	57	-	1.10	-	LOW	-	0
NOR	I-264	I-64	NEWTOWN RD/WCL VA. BEACH	EB	51	-	1.19	-	MOD	-	0	-	35	-	1.74	-	SEV	-	10	-
				WB	-	53	-	1.11	-	LOW	-	0	-	28	-	2.12	-	SEV	-	7
NOR	I-464	CHESAPEAKE CL	SOUTH MAIN ST	NB	19	-	2.97	-	SEV	-	6	-	51	-	1.13	-	LOW	-	0	-
				SB	-	57	-	1.05	-	LOW	-	0	-	61	-	0.98	-	LOW	-	0
NOR	I-464	SOUTH MAIN ST	I-264	NB	16	-	3.31	-	SEV	-	7	-	27	-	1.97	-	SEV	-	6	-
				SB	-	51	-	1.07	-	LOW	-	0	-	52	-	1.05	-	LOW	-	0
NOR	I-564	ADMIRAL TAUSSIG BLVD	INTERMODAL CONNECTOR	NB	22	-	2.44	-	SEV	-	12	-	54	-	1.00	-	LOW	-	0	-
				SB	-	51	-	1.06	-	LOW	-	0	-	51	-	1.06	-	LOW	-	0
NOR	I-564	INTERMODAL CONNECTOR	INTERNATIONAL TERMINAL BLVD	NB	22	-	2.44	-	SEV	-	12	-	54	-	1.00	-	LOW	-	0	-
				SB	-	51	-	1.06	-	LOW	-	0	-	51	-	1.06	-	LOW	-	0
NOR	I-564	INTERNATIONAL TERMINAL BLVD	I-64	NB	36	-	1.49	-	SEV	-	4	-	55	-	0.98	-	LOW	-	0	-
				SB	-	55	-	1.02	-	LOW	-	0	-	35	-	1.61	-	SEV	-	6
NOR	INDIAN RIVER RD	MARSH ST	WILSON RD		23	25	1.05	1.13	LOW	LOW	0	0	22	26	1.10	1.09	LOW	LOW	0	0
NOR	INDIAN RIVER RD	WILSON RD	CAMPOSTELLA RD		14	14	1.28	1.69	MOD	SEV	0	4	13	14	1.43	1.61	SEV	SEV	3	9
NOR	INDIAN RIVER RD	CAMPOSTELLA RD	CHESAPEAKE CL		28	27	1.17	1.19	LOW	LOW	0	0	28	28	1.17	1.16	LOW	LOW	0	0
NOR	INGLESIDE RD	VA BEACH BLVD	PRINCESS ANNE RD		21	18	1.21	1.30	LOW	MOD	0	0	20	20	1.23	1.17	LOW	LOW	0	0
NOR	INGLESIDE RD	PRINCESS ANNE RD	TAIT TERRACE DR		24	19	1.11	1.36	LOW	MOD	0	0	24	20	1.12	1.27	LOW	MOD	0	0
NOR	INTERNATIONAL TERMINAL BLVD	HAMPTON BLVD	I-564		34	22	1.05	1.55	LOW	SEV	0	3	26	28	1.36	1.19	MOD	LOW	0	0
NOR	JAMESTOWN CRESCENT	53RD ST	HAMPTON BLVD		21	22	1.10	1.04	LOW	LOW	0	0	22	19	1.05	1.24	LOW	LOW	0	0
NOR	JOHNSTONS RD	SEWELLS POINT RD	CHESAPEAKE BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	JOHNSTONS RD	CHESAPEAKE BLVD	MILITARY HWY		-	-	-	-	LOW		-	-	-	-	-	-	SEV		-	-
NOR	JOHNSTONS RD/HALPRIN LN	MILITARY HWY	LITTLE CREEK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	KEMPSVILLE RD	NEWTOWN RD	VA BEACH BLVD		18	24	1.34	1.19	MOD	LOW	0	0	16	17	1.49	1.65	SEV	SEV	3	5
NOR	KEMPSVILLE RD	VA BEACH BLVD	NORTHAMPTON BLVD		23	25	1.17	1.19	LOW	LOW	0	0	24	22	1.16	1.37	LOW	MOD	0	0
NOR	LAFAYETTE BLVD	27TH ST	TIDEWATER DR		24	24	1.11	1.08	LOW	LOW	0	0	21	26	1.30	1.01	MOD	LOW	0	0
NOR	LAFAYETTE BLVD	TIDEWATER DR	CHESAPEAKE BLVD		22	20	1.00	1.10	LOW	LOW	0	0	20	19	1.12	1.16	LOW	LOW	0	0
NOR	LIBERTY ST	STATE ST	SOUTH MAIN ST		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
NOR	LIBERTY ST	SOUTH MAIN ST	CHESAPEAKE CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	LITTLE CREEK RD	HAMPTON BLVD	GRANBY ST		23	26	1.15	1.13	LOW	LOW	0	0	24	27	1.08	1.05	LOW	LOW	0	0
NOR	LITTLE CREEK RD	GRANBY ST	I-64		17	13	1.11	1.38	LOW	MOD	0	0	16	12	1.18	1.51	LOW	SEV	0	7
NOR	LITTLE CREEK RD	I-64	TIDEWATER DR		19	25	1.32	1.11	MOD	LOW	0	0	21	25	1.22	1.13	LOW	LOW	0	0
NOR	LITTLE CREEK RD	TIDEWATER DR	SEWELLS POINT RD		15	14	1.31	1.55	MOD	SEV	0	5	17	13	1.18	1.74	LOW	SEV	0	16
NOR	LITTLE CREEK RD	SEWELLS POINT RD	CHESAPEAKE BLVD		19	24	1.29	1.17	MOD	LOW	0	0	14	24	1.65	1.17	SEV	LOW	9	0

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	LITTLE CREEK RD	CHESAPEAKE BLVD	MILITARY HWY		19	15	1.30	1.37	MOD	MOD	0	0	15	12	1.65	1.73	SEV	SEV	10	16
NOR	LITTLE CREEK RD	MILITARY HWY	AZALEA GARDEN RD		29	29	1.10	1.07	LOW	LOW	0	0	26	26	1.22	1.21	LOW	LOW	0	0
NOR	LITTLE CREEK RD	AZALEA GARDEN RD	SHORE DR		27	33	1.18	1.07	LOW	LOW	0	0	27	32	1.21	1.10	LOW	LOW	0	0
NOR	LLEWELLYN AVE	VA BEACH BLVD	PRINCESS ANNE RD		20	19	1.09	1.14	LOW	LOW	0	0	16	18	1.37	1.19	MOD	LOW	0	0
NOR	LLEWELLYN AVE	PRINCESS ANNE RD	21ST ST		22	21	1.13	1.17	LOW	LOW	0	0	22	21	1.13	1.18	LOW	LOW	0	0
NOR	LLEWELLYN AVE	21ST ST	26TH ST		15	15	1.20	1.24	LOW	LOW	0	0	16	14	1.14	1.28	LOW	MOD	0	0
NOR	LLEWELLYN AVE	26TH ST	27TH ST		12	11	1.48	1.58	SEV	SEV	1	5	12	13	1.42	1.39	SEV	MOD	5	0
NOR	LLEWELLYN AVE	27TH ST	35TH ST		23	20	1.09	1.18	LOW	LOW	0	0	23	21	1.08	1.13	LOW	LOW	0	0
NOR	LLEWELLYN AVE	35TH ST	38TH ST		23	20	1.09	1.18	LOW	LOW	0	0	23	21	1.08	1.13	LOW	LOW	0	0
NOR	LLEWELLYN AVE	38TH ST	DELAWARE AVE		23	22	1.14	1.11	LOW	LOW	0	0	25	20	1.06	1.24	LOW	LOW	0	0
NOR	LLEWELLYN AVE	DELAWARE AVE	GRANBY ST		-	23	-	1.12	-	LOW	-	0	-	19	-	1.37	-	MOD	-	0
NOR	MIDTOWN TUNNEL	PORTSMOUTH CL	BRAMBLETON AVE		27	48	1.61	0.97	SEV	LOW	2	0	43	48	1.02	0.98	LOW	LOW	0	0
NOR	MILITARY HWY	VA BEACH CL	I-264		35	30	1.17	1.30	LOW	MOD	0	0	34	27	1.20	1.47	LOW	SEV	0	3
NOR	MILITARY HWY	I-264	VA BEACH BLVD		30	32	1.07	1.09	LOW	LOW	0	0	24	25	1.33	1.40	MOD	MOD	0	0
NOR	MILITARY HWY	VA BEACH BLVD	LOWERY RD		17	22	1.32	1.25	MOD	MOD	0	0	13	18	1.71	1.58	SEV	SEV	14	11
NOR	MILITARY HWY	LOWERY RD	PRIN ANNE RD/NORTHAMPTON BLVD		17	22	1.32	1.25	MOD	MOD	0	0	13	18	1.71	1.58	SEV	SEV	14	11
NOR	MILITARY HWY	PRIN ANNE RD/NORTHAMPTON BLVD	I-64		20	14	1.36	1.75	MOD	SEV	0	5	17	14	1.56	1.78	SEV	SEV	9	14
NOR	MILITARY HWY	I-64	AZALEA GARDEN RD		25	21	1.11	1.37	LOW	MOD	0	0	23	21	1.21	1.37	LOW	MOD	0	0
NOR	MILITARY HWY	AZALEA GARDEN RD	NORVIEW AVE		22	27	1.20	1.09	LOW	LOW	0	0	15	21	1.70	1.38	SEV	MOD	14	0
NOR	MILITARY HWY	NORVIEW AVE	JOHNSTONS RD		31	29	1.01	1.08	LOW	LOW	0	0	29	25	1.10	1.29	LOW	MOD	0	0
NOR	MILITARY HWY	JOHNSTONS RD	LITTLE CREEK RD		16	27	1.45	1.12	SEV	LOW	3	0	18	28	1.33	1.08	MOD	LOW	0	0
NOR	MONTICELLO AVE	CITY HALL AVE	BRAMBLETON AVE		10	10	1.03	1.07	LOW	LOW	0	0	9	9	1.10	1.17	LOW	LOW	0	0
NOR	MONTICELLO AVE	BRAMBLETON AVE	ST PAULS BLVD		10	19	1.00	1.01	LOW	LOW	0	0	10	17	1.00	1.09	LOW	LOW	0	0
NOR	MONTICELLO AVE	ST PAULS BLVD	VA BEACH BLVD		17	15	1.15	1.29	LOW	MOD	0	0	16	11	1.28	1.78	MOD	SEV	0	10
NOR	MONTICELLO AVE	VA BEACH BLVD	PRINCESS ANNE RD		17	15	1.15	1.29	LOW	MOD	0	0	16	11	1.28	1.78	MOD	SEV	0	10
NOR	MONTICELLO AVE	PRINCESS ANNE RD	21ST ST		19	18	1.21	1.26	LOW	MOD	0	0	19	16	1.20	1.41	LOW	SEV	0	1
NOR	MONTICELLO AVE	21ST ST	26TH ST		17	16	1.16	1.23	LOW	LOW	0	0	17	13	1.13	1.46	LOW	SEV	0	3
NOR	MONTICELLO AVE	26TH ST	27TH ST		17	16	1.16	1.23	LOW	LOW	0	0	17	13	1.13	1.46	LOW	SEV	0	3
NOR	MONTICELLO AVE	27TH ST	CHURCH ST		17	16	1.16	1.23	LOW	LOW	0	0	17	13	1.13	1.46	LOW	SEV	0	3
NOR	NEWTOWN RD	KEMPSVILLE RD	I-264		16	13	1.44	1.32	SEV	MOD	4	0	15	11	1.54	1.61	SEV	SEV	3	12
NOR	NEWTOWN RD	I-264	VA BEACH BLVD		16	20	1.34	1.28	MOD	MOD	0	0	9	12	2.35	2.06	SEV	SEV	15	14
NOR	NEWTOWN RD	VA BEACH BLVD	VA BEACH CL		26	17	1.09	1.59	LOW	SEV	0	5	22	17	1.28	1.61	MOD	SEV	0	6
NOR	NORTHAMPTON BLVD	MILITARY HWY	KEMPSVILLE RD		21	16	1.36	1.58	MOD	SEV	0	5	16	14	1.79	1.80	SEV	SEV	9	14
NOR	NORTHAMPTON BLVD	KEMPSVILLE RD	I-64		21	16	1.36	1.58	MOD	SEV	0	5	16	14	1.79	1.80	SEV	SEV	9	14
NOR	NORTHAMPTON BLVD	I-64	WESLEYAN DR/VA BEACH CL		26	20	1.23	1.55	LOW	SEV	0	2	25	19	1.28	1.58	MOD	SEV	0	10
NOR	NORVIEW AVE	TIDEWATER DR	CHESAPEAKE BLVD		28	21	0.96	1.11	LOW	LOW	0	0	26	19	1.04	1.20	LOW	LOW	0	0
NOR	NORVIEW AVE	CHESAPEAKE BLVD	I-64		26	19	1.21	1.30	LOW	MOD	0	0	25	17	1.23	1.46	LOW	SEV	0	3
NOR	NORVIEW AVE	I-64	MILITARY HWY		18	26	1.35	1.06	MOD	LOW	0	0	20	23	1.23	1.21	LOW	LOW	0	0
NOR	NORVIEW AVE	MILITARY HWY	AZALEA GARDEN RD		22	21	1.10	1.11	LOW	LOW	0	0	22	17	1.13	1.40	LOW	MOD	0	0
NOR	NORVIEW AVE	AZALEA GARDEN RD	NORFOLK INT AIRPORT		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
NOR	OCEAN VIEW AVE	4TH VIEW ST	TIDEWATER DR		21	23	1.18	1.22	LOW	LOW	0	0	22	22	1.12	1.27	LOW	MOD	0	0
NOR	OCEAN VIEW AVE	TIDEWATER DR	GRANBY ST		21	23	1.18	1.22	LOW	LOW	0	0	22	22	1.12	1.27	LOW	MOD	0	0
NOR	OCEAN VIEW AVE	GRANBY ST	CHESAPEAKE BLVD		27	30	1.14	1.07	LOW	LOW	0	0	25	30	1.20	1.09	LOW	LOW	0	0
NOR	OCEAN VIEW AVE	CHESAPEAKE BLVD	CAPE VIEW AVE		30	34	1.15	1.06	LOW	LOW	0	0	33	33	1.05	1.07	LOW	LOW	0	0
NOR	OCEAN VIEW AVE	CAPE VIEW AVE	21ST BAY ST		30	34	1.15	1.06	LOW	LOW	0	0	33	33	1.05	1.07	LOW	LOW	0	0
NOR	OLNEY RD	COLLEY AVE	DUKE ST/VA BEACH BLVD		19	19	1.15	1.12	LOW	LOW	0	0	20	19	1.09	1.14	LOW	LOW	0	0
NOR	PARK AVE	BRAMBLETON AVE	VA BEACH BLVD		18	14	1.05	1.38	LOW	MOD	0	0	17	11	1.14	1.69	LOW	SEV	0	9
NOR	PARK AVE	VA BEACH BLVD	PRINCESS ANNE RD		11	13	1.33	1.45	MOD	SEV	0	2	10	12	1.49	1.54	SEV	SEV	1	5
NOR	PRINCESS ANNE RD	HAMPTON BLVD	COLLEY AVE		8	9	1.60	1.49	SEV	SEV	3	12	10	10	1.27	1.24	MOD	LOW	0	0
NOR	PRINCESS ANNE RD	COLLEY AVE	LLEWELLYN AVE		16	13	1.14	1.25	LOW	MOD	0	0	15	14	1.22	1.18	LOW	LOW	0	0
NOR	PRINCESS ANNE RD	LLEWELLYN AVE	MONTICELLO AVE		10	11	1.36	1.26	MOD	MOD	0	0	9	11	1.57	1.28	SEV	MOD	11	0
NOR	PRINCESS ANNE RD	MONTICELLO AVE	CHURCH ST		17	18	1.15	1.12	LOW	LOW	0	0	17	18	1.15	1.09	LOW	LOW	0	0
NOR	PRINCESS ANNE RD	CHURCH ST	TIDEWATER DR		17	18	1.15	1.12	LOW	LOW	0	0	17	18	1.15	1.09	LOW	LOW	0	0
NOR	PRINCESS ANNE RD	TIDEWATER DR	MAY AVE		22	18	1.05	1.24	LOW	LOW	0	0	20	18	1.13	1.26	LOW	MOD	0	0
NOR	PRINCESS ANNE RD	MAY AVE	PARK AVE		22	18	1.05	1.24	LOW	LOW	0	0	20	18	1.13	1.26	LOW	MOD	0	0
NOR	PRINCESS ANNE RD	PARK AVE	BALLENTINE BLVD		26	28	1.05	1.03	LOW	LOW	0	0	23	25	1.19	1.15	LOW	LOW	0	0

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	PRINCESS ANNE RD	BALLENTINE BLVD	INGLESIDE RD		17	17	1.20	1.18	LOW	LOW	0	0	17	14	1.20	1.40	LOW	SEV	0	1
NOR	PRINCESS ANNE RD	INGLESIDE RD	AZALEA GARDEN RD		25	25	1.11	1.06	LOW	LOW	0	0	22	24	1.27	1.11	MOD	LOW	0	0
NOR	PRINCESS ANNE RD	AZALEA GARDEN RD	SEWELLS POINT RD		25	25	1.11	1.06	LOW	LOW	0	0	22	24	1.27	1.11	MOD	LOW	0	0
NOR	PRINCESS ANNE RD	SEWELLS POINT RD	MILITARY HWY		25	25	1.11	1.06	LOW	LOW	0	0	22	24	1.27	1.11	MOD	LOW	0	0
NOR	ROBIN HOOD RD	CHESAPEAKE BLVD	SEWELLS POINT RD		24	23	1.07	1.05	LOW	LOW	0	0	22	22	1.19	1.09	LOW	LOW	0	0
NOR	ROBIN HOOD RD	SEWELLS POINT RD	AZALEA GARDEN RD		17	18	1.16	1.01	LOW	LOW	0	0	16	17	1.20	1.10	LOW	LOW	0	0
NOR	ROBIN HOOD RD	AZALEA GARDEN RD	ELLSMERE AVE		18	19	1.15	1.13	LOW	LOW	0	0	18	19	1.12	1.13	LOW	LOW	0	0
NOR	ROBIN HOOD RD	ELLSMERE AVE	MILITARY HWY		18	19	1.15	1.13	LOW	LOW	0	0	18	19	1.12	1.13	LOW	LOW	0	0
NOR	SEWELLS POINT RD	PRINCESS ANNE RD	AZALEA GARDEN RD		21	20	1.06	1.08	LOW	LOW	0	0	21	19	1.07	1.11	LOW	LOW	0	0
NOR	SEWELLS POINT RD	AZALEA GARDEN RD	ROBIN HOOD RD		21	20	1.06	1.08	LOW	LOW	0	0	21	19	1.07	1.11	LOW	LOW	0	0
NOR	SEWELLS POINT RD	ROBIN HOOD RD	CHESAPEAKE BLVD		20	29	1.24	1.06	LOW	LOW	0	0	19	29	1.33	1.04	MOD	LOW	0	0
NOR	SEWELLS POINT RD	CHESAPEAKE BLVD	PARTRIDGE ST		18	15	1.33	1.48	MOD	SEV	0	1	20	16	1.24	1.44	LOW	SEV	0	1
NOR	SEWELLS POINT RD	PARTRIDGE ST	PHILPOTTS RD		18	15	1.33	1.48	MOD	SEV	0	1	20	16	1.24	1.44	LOW	SEV	0	1
NOR	SEWELLS POINT RD	PHILPOTTS RD	I-64		20	21	1.17	1.10	LOW	LOW	0	0	22	21	1.09	1.10	LOW	LOW	0	0
NOR	SEWELLS POINT RD	I-64	LITTLE CREEK RD		20	21	1.17	1.10	LOW	LOW	0	0	22	21	1.09	1.10	LOW	LOW	0	0
NOR	SHORE DRIVE	21ST BAY ST	LITTLE CREEK RD		23	28	1.24	1.07	LOW	LOW	0	0	19	27	1.44	1.11	SEV	LOW	3	0
NOR	SHORE DRIVE	LITTLE CREEK RD	VA BEACH CL		33	37	1.15	1.12	LOW	LOW	0	0	22	38	1.70	1.07	SEV	LOW	5	0
NOR	SOUTH MAIN ST	I-464	BAINBRIDGE BLVD		12	14	1.11	1.25	LOW	LOW	0	0	12	14	1.17	1.24	LOW	LOW	0	0
NOR	SOUTH MAIN ST	BAINBRIDGE BLVD	LIBERTY ST		12	14	1.11	1.25	LOW	LOW	0	0	12	14	1.17	1.24	LOW	LOW	0	0
NOR	SOUTH MAIN ST	LIBERTY ST	BERKLEY AVE		12	14	1.11	1.25	LOW	LOW	0	0	12	14	1.17	1.24	LOW	LOW	0	0
NOR	ST PAULS BLVD	WATERSIDE DR	CITY HALL AVE		12	11	1.33	1.36	MOD	MOD	0	0	7	13	2.12	1.11	SEV	LOW	9	0
NOR	ST PAULS BLVD	CITY HALL AVE	I-264 RAMP/MACARTHUR MALL		8	10	1.94	1.48	SEV	SEV	9	3	8	6	1.93	2.34	SEV	SEV	16	16
NOR	ST PAULS BLVD	I-264 RAMP/MACARTHUR MALL	BRAMBLETON AVE		13	16	1.32	1.17	MOD	LOW	0	0	13	9	1.25	2.10	MOD	SEV	0	10
NOR	ST PAULS BLVD	BRAMBLETON AVE	MONTICELLO AVE		17	15	1.15	1.29	LOW	MOD	0	0	16	11	1.28	1.78	MOD	SEV	0	10
NOR	STATE ST	LIBERTY ST	BERKLEY AVE		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
NOR	STATE ST	BERKLEY AVE	I-464 RAMP		10	12	1.33	1.00	MOD	LOW	0	0	12	12	1.09	1.05	LOW	LOW	0	0
NOR	THOLE ST	GRANBY ST	TIDEWATER DR		21	21	1.20	1.31	LOW	MOD	0	0	20	22	1.30	1.28	MOD	MOD	0	0
NOR	TIDEWATER DR	CITY HALL AVE	BRAMBLETON AVE		22	25	1.29	1.21	MOD	LOW	0	0	15	20	1.96	1.51	SEV	SEV	13	1
NOR	TIDEWATER DR	BRAMBLETON AVE	VA BEACH BLVD		17	11	1.35	2.15	MOD	SEV	0	13	18	9	1.22	2.39	LOW	SEV	0	14
NOR	TIDEWATER DR	VA BEACH BLVD	PRINCESS ANNE RD		16	17	1.54	1.37	SEV	MOD	3	0	19	11	1.29	2.21	MOD	SEV	0	14
NOR	TIDEWATER DR	PRINCESS ANNE RD	LAFAYETTE BLVD		28	29	1.11	1.12	LOW	LOW	0	0	26	25	1.20	1.31	LOW	MOD	0	0
NOR	TIDEWATER DR	LAFAYETTE BLVD	CROMWELL DR		23	24	1.26	1.22	MOD	LOW	0	0	22	23	1.31	1.28	MOD	MOD	0	0
NOR	TIDEWATER DR	CROMWELL DR	NORVIEW AVE		23	19	1.36	1.65	MOD	SEV	0	3	25	13	1.25	2.43	MOD	SEV	0	14
NOR	TIDEWATER DR	NORVIEW AVE	THOLE ST		33	31	1.10	1.20	LOW	LOW	0	0	28	27	1.29	1.39	MOD	MOD	0	0
NOR	TIDEWATER DR	THOLE ST	I-64		29	30	1.07	1.02	LOW	LOW	0	0	22	27	1.40	1.14	MOD	LOW	0	0
NOR	TIDEWATER DR	I-64	LITTLE CREEK RD		28	23	1.03	1.11	LOW	LOW	0	0	23	20	1.25	1.27	MOD	MOD	0	0
NOR	TIDEWATER DR	LITTLE CREEK RD	BAYVIEW BLVD		30	34	1.12	1.05	LOW	LOW	0	0	29	33	1.18	1.09	LOW	LOW	0	0
NOR	TIDEWATER DR	BAYVIEW BLVD	GRANBY ST		35	32	1.04	1.09	LOW	LOW	0	0	33	30	1.11	1.13	LOW	LOW	0	0
NOR	TIDEWATER DR	GRANBY ST	OCEAN VIEW AVE		23	33	1.35	1.06	MOD	LOW	0	0	17	33	1.86	1.07	SEV	LOW	13	0
NOR	VA BEACH BLVD	OLNEY RD	GRANBY ST		13	11	1.11	1.15	LOW	LOW	0	0	10	11	1.37	1.21	MOD	LOW	0	0
NOR	VA BEACH BLVD	GRANBY ST	MONTICELLO AVE		13	11	1.11	1.15	LOW	LOW	0	0	10	11	1.37	1.21	MOD	LOW	0	0
NOR	VA BEACH BLVD	MONTICELLO AVE	CHURCH ST		19	17	1.19	1.32	LOW	MOD	0	0	18	19	1.21	1.21	LOW	LOW	0	0
NOR	VA BEACH BLVD	CHURCH ST	TIDEWATER DR		19	17	1.19	1.32	LOW	MOD	0	0	18	19	1.21	1.21	LOW	LOW	0	0
NOR	VA BEACH BLVD	TIDEWATER DR	PARK AVE		24	19	1.13	1.33	LOW	MOD	0	0	22	17	1.27	1.51	MOD	SEV	0	6
NOR	VA BEACH BLVD	PARK AVE	BALLENTINE BLVD		27	27	1.05	1.09	LOW	LOW	0	0	24	27	1.17	1.09	LOW	LOW	0	0
NOR	VA BEACH BLVD	BALLENTINE BLVD	INGLESIDE RD		17	15	1.34	1.54	MOD	SEV	0	4	17	16	1.30	1.44	MOD	SEV	0	2
NOR	VA BEACH BLVD	INGLESIDE RD	AZALEA GARDEN RD		18	19	1.61	1.48	SEV	SEV	3	3	27	22	1.08	1.27	LOW	MOD	0	0
NOR	VA BEACH BLVD	AZALEA GARDEN RD	JETT ST		26	28	1.18	1.11	LOW	LOW	0	0	26	26	1.16	1.20	LOW	LOW	0	0
NOR	VA BEACH BLVD	JETT ST	MILITARY HWY		26	28	1.18	1.11	LOW	LOW	0	0	26	26	1.16	1.20	LOW	LOW	0	0
NOR	VA BEACH BLVD	MILITARY HWY	GLENROCK RD		21	24	1.25	1.08	MOD	LOW	0	0	12	21	2.18	1.28	SEV	MOD	8	0
NOR	VA BEACH BLVD	GLENROCK RD	KEMPSVILLE RD		21	24	1.25	1.08	MOD	LOW	0	0	12	21	2.18	1.28	SEV	MOD	8	0
NOR	VA BEACH BLVD	KEMPSVILLE RD	NEWTOWN RD		21	24	1.25	1.08	MOD	LOW	0	0	12	21	2.18	1.28	SEV	MOD	8	0
NOR	WESLEYAN DR	NORTHAMPTON BLVD	NCL VA BEACH		25	24	1.21	1.22	LOW	LOW	0	0	25	21	1.25	1.36	MOD	MOD	0	0
NOR	WILLOW WOOD DR	GRANBY ST	TIDEWATER DR		21	20	1.26	1.27	MOD	MOD	0	0	21	21	1.29	1.24	MOD	LOW	0	0
NOR	WILSON RD	BERKLEY AVE/CHESAPEAKE CL	INDIAN RIVER RD		13	17	1.24	1.11	LOW	LOW	0	0	15	18	1.12	1.09	LOW	LOW	0	0
NOR	WILSON RD	INDIAN RIVER RD	CAMPOSTELLA RD		13	17	1.24	1.11	LOW	LOW	0	0	15	18	1.12	1.09	LOW	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
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Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
POQ	EAST YORKTOWN RD	YORK CL	HUNT'S NECK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
POQ	EAST YORKTOWN RD	HUNT'S NECK RD	POQUOSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
POQ	LITTLE FLORIDA RD	WYTHE CREEK RD	POQUOSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	SEV		-	-
POQ	POQUOSON AVE	WYTHE CREEK RD	LITTLE FLORIDA RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
POQ	VICTORY BLVD	YORK CL	WYTHE CREEK RD		36	30	1.07	1.32	LOW	MOD	0	0	31	34	1.26	1.17	MOD	LOW	0	0
POQ	WYTHE CREEK RD	HAMPTON CL	ALPHUS ST		30	35	1.14	1.04	LOW	LOW	0	0	30	33	1.13	1.10	LOW	LOW	0	0
POQ	WYTHE CREEK RD	ALPHUS ST	LITTLE FLORIDA RD		30	35	1.14	1.04	LOW	LOW	0	0	30	33	1.13	1.10	LOW	LOW	0	0
POQ	WYTHE CREEK RD	LITTLE FLORIDA RD	HUDGINS RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
POQ	WYTHE CREEK RD	HUDGINS RD	POQUOSON AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	AIRLINE BLVD	CHESAPEAKE CL	GREENWOOD DR		34	34	1.08	1.10	LOW	LOW	0	0	35	35	1.05	1.07	LOW	LOW	0	0
PORT	AIRLINE BLVD	GREENWOOD DR	ELMHURST LN		22	22	1.14	1.13	LOW	LOW	0	0	22	20	1.13	1.22	LOW	LOW	0	0
PORT	AIRLINE BLVD	ELMHURST LN	.55 MI E ELMHURST LN		22	22	1.14	1.13	LOW	LOW	0	0	22	20	1.13	1.22	LOW	LOW	0	0
PORT	AIRLINE BLVD	.55 MI E ELMHURST LN	VICTORY BLVD		22	22	1.14	1.13	LOW	LOW	0	0	22	20	1.13	1.22	LOW	LOW	0	0
PORT	AIRLINE BLVD	VICTORY BLVD	PORTSMOUTH BLVD		22	22	1.14	1.13	LOW	LOW	0	0	22	20	1.13	1.22	LOW	LOW	0	0
PORT	AIRLINE BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		22	23	1.18	1.08	LOW	LOW	0	0	21	22	1.24	1.16	LOW	LOW	0	0
PORT	AIRLINE BLVD	FREDERICK BLVD	HIGH ST		20	19	1.21	1.24	LOW	LOW	0	0	21	19	1.18	1.23	LOW	LOW	0	0
PORT	CAVALIER BLVD	CHESAPEAKE CL	GREENWOOD DR		30	26	1.10	1.20	LOW	LOW	0	0	30	26	1.08	1.18	LOW	LOW	0	0
PORT	CEDAR LN	HIGH ST	W NORFOLK RD		26	24	1.11	1.22	LOW	LOW	0	0	25	24	1.15	1.24	LOW	LOW	0	0
PORT	CEDAR LN	W NORFOLK RD	WESTERN FREEWAY		26	24	1.11	1.22	LOW	LOW	0	0	25	24	1.15	1.24	LOW	LOW	0	0
PORT	CEDAR LN	WESTERN FREEWAY	S PERIMETER RD		23	25	1.23	1.21	LOW	LOW	0	0	23	24	1.21	1.28	LOW	MOD	0	0
PORT	CHURCHLAND BLVD	CHESAPEAKE CL	W NORFOLK RD		16	15	1.33	1.31	MOD	MOD	0	0	16	14	1.29	1.39	MOD	MOD	0	0
PORT	CHURCHLAND BLVD	W NORFOLK RD	TYRE NECK RD		18	18	1.11	1.12	LOW	LOW	0	0	15	16	1.29	1.24	MOD	LOW	0	0
PORT	CHURCHLAND BLVD	TYRE NECK RD	HIGH ST		18	18	1.11	1.12	LOW	LOW	0	0	15	16	1.29	1.24	MOD	LOW	0	0
PORT	COAST GUARD BLVD	CEDAR LN	COAST GUARD BASE GATE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	COUNTY ST	CONSTITUTION AVE	PENINSULA AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	COUNTY ST	PENINSULA AVE	ELM AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	COUNTY ST	ELM AVE	EFFINGHAM ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	COURT ST	PAVILION DR	COUNTY ST		11	11	1.33	1.39	MOD	MOD	0	0	10	10	1.39	1.64	MOD	SEV	0	3
PORT	COURT ST	COUNTY ST	HIGH ST		11	11	1.33	1.39	MOD	MOD	0	0	10	10	1.39	1.64	MOD	SEV	0	3
PORT	COURT ST	HIGH ST	LONDON BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	COURT ST	LONDON BLVD	CRAWFORD PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	CRAWFORD PKWY	EFFINGHAM ST	CRAWFORD ST		16	16	1.38	1.15	MOD	LOW	0	0	20	15	1.11	1.24	LOW	LOW	0	0
PORT	CRAWFORD ST	CRAWFORD PKWY	LONDON BLVD		10	11	1.31	1.38	MOD	MOD	0	0	10	12	1.33	1.24	MOD	LOW	0	0
PORT	CRAWFORD ST	LONDON BLVD	HIGH ST		10	11	1.31	1.38	MOD	MOD	0	0	10	12	1.33	1.24	MOD	LOW	0	0
PORT	CRAWFORD ST	HIGH ST	COUNTY ST		13	16	1.28	1.14	MOD	LOW	0	0	11	15	1.50	1.22	SEV	LOW	2	0
PORT	CRAWFORD ST/BART ST	COUNTY ST	COURT ST		13	16	1.28	1.14	MOD	LOW	0	0	11	15	1.50	1.22	SEV	LOW	2	0
PORT	DEEP CREEK BLVD	VICTORY BLVD	GREENWOOD DR		24	25	1.13	1.03	LOW	LOW	0	0	26	24	1.07	1.10	LOW	LOW	0	0
PORT	DEEP CREEK BLVD	GREENWOOD DR	PORTSMOUTH BLVD		20	21	1.09	1.02	LOW	LOW	0	0	21	20	1.08	1.06	LOW	LOW	0	0
PORT	DEEP CREEK BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		13	13	1.19	1.20	LOW	LOW	0	0	13	11	1.27	1.33	MOD	MOD	0	0
PORT	DEEP CREEK BLVD	FREDERICK BLVD	DES MOINES AVE		22	20	1.11	1.10	LOW	LOW	0	0	22	19	1.13	1.11	LOW	LOW	0	0
PORT	DES MOINES AVE	DEEP CREEK BLVD	I-264		22	20	1.11	1.10	LOW	LOW	0	0	22	19	1.13	1.11	LOW	LOW	0	0
PORT	EFFINGHAM ST	PORTSMOUTH BLVD	I-264		22	18	1.15	1.57	LOW	SEV	0	2	13	24	1.92	1.18	SEV	LOW	9	0
PORT	EFFINGHAM ST	I-264	SOUTH ST		15	15	1.23	1.34	LOW	MOD	0	0	15	9	1.24	2.25	LOW	SEV	0	12
PORT	EFFINGHAM ST	SOUTH ST	HIGH ST		15	15	1.23	1.34	LOW	MOD	0	0	15	9	1.24	2.25	LOW	SEV	0	12
PORT	EFFINGHAM ST	HIGH ST	LONDON BLVD		10	10	1.53	1.25	SEV	LOW	3	0	11	8	1.40	1.71	MOD	SEV	0	9
PORT	EFFINGHAM ST	LONDON BLVD	NORTH ST		9	16	2.03	1.21	SEV	LOW	4	0	17	12	1.10	1.54	LOW	SEV	0	2
PORT	EFFINGHAM ST	NORTH ST	CRAWFORD PKWY		9	16	2.03	1.21	SEV	LOW	4	0	17	12	1.10	1.54	LOW	SEV	0	2
PORT	EFFINGHAM ST	CRAWFORD PKWY	NAVAL MEDICAL CENTER		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
PORT	ELM AVE	LONDON BLVD	HIGH ST		12	15	1.24	1.11	LOW	LOW	0	0	14	16	1.06	1.07	LOW	LOW	0	0
PORT	ELM AVE	HIGH ST	COUNTY ST		12	15	1.24	1.11	LOW	LOW	0	0	14	16	1.06	1.07	LOW	LOW	0	0
PORT	ELM AVE	COUNTY ST	SOUTH ST		12	15	1.24	1.11	LOW	LOW	0	0	14	16	1.06	1.07	LOW	LOW	0	0
PORT	ELM AVE	SOUTH ST	I-264		21	21	1.06	1.06	LOW	LOW	0	0	19	20	1.15	1.09	LOW	LOW	0	0
PORT	ELM AVE	I-264	PORTSMOUTH BLVD		21	21	1.06	1.06	LOW	LOW	0	0	19	20	1.15	1.09	LOW	LOW	0	0
PORT	ELM AVE	PORTSMOUTH BLVD	GEORGE WASHINGTON HWY		21	17	1.04	1.25	LOW	MOD	0	0	16	19	1.34	1.17	MOD	LOW	0	0
PORT	ELM AVE	GEORGE WASHINGTON HWY	VICTORY BLVD		24	19	1.18	1.37	LOW	MOD	0	0	21	18	1.40	1.40	MOD	MOD	0	0
PORT	ELM AVE	VICTORY BLVD	BURTONS POINT RD		24	19	1.18	1.37	LOW	MOD	0	0	21	18	1.40	1.40	MOD	MOD	0	0

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
PORT	ELM AVE (S NORFOLK JORDAN BRIDGE	BURTONS POINT RD	CHESAPEAKE CL		24	19	1.18	1.37	LOW	MOD	0	0	21	18	1.40	1.40	MOD	MOD	0	0
PORT	ELMHURST LN	GARWOOD AVE	AIRLINE BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	ELMHURST LN	AIRLINE BLVD	PORTSMOUTH BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	FREDERICK BLVD	GEORGE WASHINGTON HWY	PORTSMOUTH BLVD		24	28	1.26	1.09	MOD	LOW	0	0	25	23	1.25	1.30	LOW	MOD	0	0
PORT	FREDERICK BLVD	PORTSMOUTH BLVD	DEEP CREEK BLVD		25	23	1.15	1.20	LOW	LOW	0	0	21	20	1.34	1.38	MOD	MOD	0	0
PORT	FREDERICK BLVD	DEEP CREEK BLVD	I-264		25	23	1.15	1.20	LOW	LOW	0	0	21	20	1.34	1.38	MOD	MOD	0	0
PORT	FREDERICK BLVD	I-264	TURNPIKE RD		21	22	1.10	1.12	LOW	LOW	0	0	19	20	1.24	1.22	LOW	LOW	0	0
PORT	FREDERICK BLVD	TURNPIKE RD	AIRLINE BLVD		21	22	1.10	1.12	LOW	LOW	0	0	19	20	1.24	1.22	LOW	LOW	0	0
PORT	FREDERICK BLVD	AIRLINE BLVD	HIGH ST		34	25	1.09	1.08	LOW	LOW	0	0	34	24	1.09	1.14	LOW	LOW	0	0
PORT	GARWOOD AVE	GREENWOOD DR	ELMHURST LN		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	GEORGE WASHINGTON HWY	CHESAPEAKE CL	VICTORY BLVD		24	24	1.19	1.22	LOW	LOW	0	0	16	23	1.83	1.29	SEV	MOD	11	0
PORT	GEORGE WASHINGTON HWY	VICTORY BLVD	DAVIS ST		28	25	1.04	1.11	LOW	LOW	0	0	22	21	1.33	1.34	MOD	MOD	0	0
PORT	GEORGE WASHINGTON HWY	DAVIS ST	GREENWOOD DR		28	25	1.04	1.11	LOW	LOW	0	0	22	21	1.33	1.34	MOD	MOD	0	0
PORT	GEORGE WASHINGTON HWY	GREENWOOD DR	FREDERICK BLVD		28	25	1.04	1.11	LOW	LOW	0	0	22	21	1.33	1.34	MOD	MOD	0	0
PORT	GEORGE WASHINGTON HWY	FREDERICK BLVD	ELM AVE		10	21	2.21	1.09	SEV	LOW	3	0	19	20	1.21	1.14	LOW	LOW	0	0
PORT	GEORGE WASHINGTON HWY	ELM AVE	PORTSMOUTH BLVD		16	16	1.51	1.31	SEV	MOD	2	0	21	12	1.20	1.81	LOW	SEV	0	5
PORT	GREENWOOD DR	AIRLINE BLVD	I-264		28	20	1.08	1.26	LOW	MOD	0	0	27	18	1.12	1.40	LOW	MOD	0	0
PORT	GREENWOOD DR	I-264	CAVALIER BLVD		24	32	1.09	1.07	LOW	LOW	0	0	22	30	1.22	1.13	LOW	LOW	0	0
PORT	GREENWOOD DR	CAVALIER BLVD	VICTORY BLVD		24	23	1.12	1.23	LOW	LOW	0	0	23	23	1.18	1.18	LOW	LOW	0	0
PORT	GREENWOOD DR	VICTORY BLVD	INDEPENDENCE ST		24	21	1.01	1.13	LOW	LOW	0	0	23	23	1.07	1.03	LOW	LOW	0	0
PORT	GREENWOOD DR	INDEPENDENCE ST	DEEP CREEK BLVD		24	21	1.01	1.13	LOW	LOW	0	0	23	23	1.07	1.03	LOW	LOW	0	0
PORT	GREENWOOD DR	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		24	21	1.01	1.13	LOW	LOW	0	0	23	23	1.07	1.03	LOW	LOW	0	0
PORT	HIGH ST	TYRE NECK RD	CHURCHLAND BLVD		24	23	1.15	1.11	LOW	LOW	0	0	21	21	1.29	1.24	MOD	LOW	0	0
PORT	HIGH ST	CHURCHLAND BLVD	CEDAR LA		24	23	1.15	1.11	LOW	LOW	0	0	21	21	1.29	1.24	MOD	LOW	0	0
PORT	HIGH ST	CEDAR LA	RODMAN AVE		25	34	1.08	1.09	LOW	LOW	0	0	24	34	1.14	1.09	LOW	LOW	0	0
PORT	HIGH ST	RODMAN AVE	FREDERICK BLVD		25	34	1.08	1.09	LOW	LOW	0	0	24	34	1.14	1.09	LOW	LOW	0	0
PORT	HIGH ST	FREDERICK BLVD	AIRLINE BLVD		16	20	1.17	1.07	LOW	LOW	0	0	12	15	1.47	1.37	SEV	MOD	1	0
PORT	HIGH ST	AIRLINE BLVD	MT VERNON AVE		18	16	1.34	1.29	MOD	MOD	0	0	20	14	1.21	1.49	LOW	SEV	0	6
PORT	HIGH ST	MT VERNON AVE	M L K FWY		25	21	1.03	1.11	LOW	LOW	0	0	24	23	1.07	1.05	LOW	LOW	0	0
PORT	HIGH ST	M L K FWY	ELM AVE		20	22	1.18	1.11	LOW	LOW	0	0	23	23	1.04	1.03	LOW	LOW	0	0
PORT	HIGH ST	ELM AVE	EFFINGHAM ST		18	19	1.08	1.19	LOW	LOW	0	0	17	21	1.13	1.08	LOW	LOW	0	0
PORT	HIGH ST	EFFINGHAM ST	CRAWFORD ST		14	11	1.23	1.17	LOW	LOW	0	0	13	12	1.35	1.12	MOD	LOW	0	0
PORT	I-264	WCL PORTSMOUTH	GREENWOOD DR	EB	58	-	1.03	-	LOW	-	0	-	61	-	1.00	-	LOW	-	0	-
				WB	-	60	-	1.01	-	LOW	-	0	-	57	-	1.05	-	LOW	-	0
PORT	I-264	GREENWOOD DR	VICTORY BLVD	EB	61	-	0.99	-	LOW	-	0	-	62	-	0.98	-	LOW	-	0	-
				WB	-	59	-	1.02	-	LOW	-	0	-	55	-	1.11	-	LOW	-	0
PORT	I-264	VICTORY BLVD	PORTSMOUTH BLVD	EB	60	-	0.99	-	LOW	-	0	-	61	-	0.98	-	LOW	-	0	-
				WB	-	60	-	1.01	-	LOW	-	0	-	56	-	1.09	-	LOW	-	0
PORT	I-264	PORTSMOUTH BLVD	FREDERICK BLVD	EB	45	-	1.31	-	SEV	-	1	-	61	-	0.96	-	LOW	-	0	-
				WB	-	60	-	1.00	-	LOW	-	0	-	57	-	1.04	-	LOW	-	0
PORT	I-264	FREDERICK BLVD	MLK FWY	EB	26	-	2.03	-	SEV	-	5	-	51	-	1.05	-	LOW	-	0	-
				WB	-	57	-	1.01	-	LOW	-	0	-	58	-	1.00	-	LOW	-	0
PORT	I-264	MLK FWY	DES MOINES AVE	EB	26	-	2.03	-	SEV	-	5	-	51	-	1.05	-	LOW	-	0	-
				WB	-	57	-	1.01	-	LOW	-	0	-	58	-	1.00	-	LOW	-	0
PORT	I-264	DES MOINES AVE	EFFINGHAM ST	EB	12	-	4.14	-	SEV	-	7	-	21	-	2.33	-	SEV	-	9	-
				WB	-	54	-	0.98	-	LOW	-	0	-	49	-	1.07	-	LOW	-	0
PORT	I-264/DOWNTOWN TUNNEL	EFFINGHAM ST	NORFOLK CL	EB	23	-	2.04	-	SEV	-	7	-	21	-	2.26	-	SEV	-	12	-
				WB	-	32	-	1.39	-	SEV	-	3	-	26	-	1.72	-	SEV	-	11
PORT	LONDON BLVD	HIGH ST	MT VERNON AVE		20	19	1.21	1.24	LOW	LOW	0	0	21	19	1.18	1.23	LOW	LOW	0	0
PORT	LONDON BLVD	MT VERNON AVE	MLK FWY		31	26	1.08	1.20	LOW	LOW	0	0	32	24	1.05	1.26	LOW	MOD	0	0
PORT	LONDON BLVD	MLK FWY	ELM AVE		29	27	1.17	1.22	LOW	LOW	0	0	27	24	1.24	1.38	LOW	MOD	0	0
PORT	LONDON BLVD	ELM AVE	EFFINGHAM ST		19	23	1.32	1.23	MOD	LOW	0	0	19	24	1.33	1.20	MOD	LOW	0	0
PORT	LONDON ST	EFFINGHAM ST	CRAWFORD ST		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
PORT	MIDTOWN TUNNEL	MLK FWY/WESTERN FREEWAY	NORFOLK CL		27	48	1.61	0.97	SEV	LOW	2	0	43	48	1.02	0.98	LOW	LOW	0	0
PORT	M L K FREEWAY	I-264	HIGH ST	NB	48	-	1.00	-	LOW	-	0	-	45	-	1.09	-	LOW	-	0	-
				SB	-	40	-	1.20	-	MOD	-	0	-	45	-	1.07	-	LOW	-	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
PORT	M L K FREEWAY	HIGH ST	LONDON BLVD	NB	47	-	1.06	-	LOW	-	0	-	45	-	1.11	-	LOW	-	0	-
				SB	-	50	-	0.99	-	LOW	-	0	-	50	-	0.98	-	LOW	-	0
PORT	M L K FREEWAY	LONDON BLVD	WESTERN FREEWAY/MIDTOWN TUNNE	NB	50	-	1.03	-	LOW	-	0	-	45	-	1.14	-	LOW	-	0	-
				SB	-	47	-	1.02	-	LOW	-	0	-	49	-	0.99	-	LOW	-	0
PORT	PORTCENTRE PKWY	PORTSMOUTH BLVD	CRAWFORD ST		19	18	1.24	1.27	LOW	MOD	0	0	14	21	1.69	1.05	SEV	LOW	2	0
PORT	PORTSMOUTH BLVD	CHESAPEAKE CL	ELMHURST LN		29	30	1.09	1.08	LOW	LOW	0	0	24	26	1.29	1.22	MOD	LOW	0	0
PORT	PORTSMOUTH BLVD	ELMHURST LN	VICTORY BLVD		27	27	1.07	1.08	LOW	LOW	0	0	24	23	1.21	1.29	LOW	MOD	0	0
PORT	PORTSMOUTH BLVD	VICTORY BLVD	AIRLINE BLVD		11	21	1.60	1.10	SEV	LOW	8	0	11	16	1.54	1.50	SEV	SEV	11	7
PORT	PORTSMOUTH BLVD	AIRLINE BLVD	TURNPIKE RD		25	20	1.10	1.38	LOW	MOD	0	0	24	16	1.13	1.70	LOW	SEV	0	13
PORT	PORTSMOUTH BLVD	TURNPIKE RD	I-264		25	20	1.10	1.38	LOW	MOD	0	0	24	16	1.13	1.70	LOW	SEV	0	13
PORT	PORTSMOUTH BLVD	I-264	DEEP CREEK BLVD		28	27	1.05	1.09	LOW	LOW	0	0	26	27	1.15	1.07	LOW	LOW	0	0
PORT	PORTSMOUTH BLVD	DEEP CREEK BLVD	FREDERICK BLVD		15	13	1.27	1.37	MOD	MOD	0	0	14	12	1.43	1.42	SEV	SEV	1	1
PORT	PORTSMOUTH BLVD	FREDERICK BLVD	ELM AVE		25	22	1.00	1.10	LOW	LOW	0	0	24	20	1.07	1.20	LOW	LOW	0	0
PORT	PORTSMOUTH BLVD	ELM AVE	EFFINGHAM ST		16	16	1.33	1.39	MOD	MOD	0	0	19	18	1.16	1.25	LOW	LOW	0	0
PORT	PORTSMOUTH BLVD	EFFINGHAM ST	PORTCENTRE PKWY		16	17	1.47	1.43	SEV	SEV	2	1	22	16	1.06	1.45	LOW	SEV	0	1
PORT	TOWNE POINT RD	SUFFOLK CL	TWIN PINES RD		26	24	1.04	1.12	LOW	LOW	0	0	25	24	1.07	1.13	LOW	LOW	0	0
PORT	TOWNE POINT RD	TWIN PINES RD	WESTERN FREEWAY		17	18	1.18	1.32	LOW	MOD	0	0	14	12	1.47	1.99	SEV	SEV	3	15
PORT	TOWNE POINT RD	WESTERN FREEWAY	CHESAPEAKE CL		14	15	1.29	1.22	MOD	LOW	0	0	14	14	1.28	1.32	MOD	MOD	0	0
PORT	TURNPIKE RD	PORTSMOUTH BLVD	FREDERICK BLVD		33	17	1.12	1.21	LOW	LOW	0	0	27	15	1.35	1.37	MOD	MOD	0	0
PORT	TURNPIKE RD	FREDERICK BLVD	HOWARD ST		17	14	1.10	1.15	LOW	LOW	0	0	18	16	1.04	1.04	LOW	LOW	0	0
PORT	TURNPIKE RD	HOWARD ST	HARBOR DR		17	14	1.10	1.15	LOW	LOW	0	0	18	16	1.04	1.04	LOW	LOW	0	0
PORT	TURNPIKE RD	HARBOR DR	COUNTY ST		17	14	1.10	1.15	LOW	LOW	0	0	18	16	1.04	1.04	LOW	LOW	0	0
PORT	TWIN PINES RD	TOWNE POINT RD	HEDGEROW LN		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	TYRE NECK RD	CHESAPEAKE CL	HIGH ST		-	-	-	-	LOW		-	-	-	-	-	-	SEV		-	-
PORT	TYRE NECK RD	HIGH ST	CHURCHLAND BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	TYRE NECK RD	CHURCHLAND BLVD	WEST NORFOLK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
PORT	VICTORY BLVD	PORTSMOUTH BLVD	AIRLINE BLVD		15	13	1.15	1.41	LOW	SEV	0	1	12	14	1.37	1.29	MOD	MOD	0	0
PORT	VICTORY BLVD	AIRLINE BLVD	I-264		15	15	1.13	1.21	LOW	LOW	0	0	13	12	1.29	1.50	MOD	SEV	0	12
PORT	VICTORY BLVD	I-264	GREENWOOD DR		23	19	1.13	1.29	LOW	MOD	0	0	18	17	1.41	1.41	SEV	SEV	1	2
PORT	VICTORY BLVD	GREENWOOD DR	DEEP CREEK BLVD		24	27	1.14	1.05	LOW	LOW	0	0	23	26	1.19	1.12	LOW	LOW	0	0
PORT	VICTORY BLVD	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		24	27	1.14	1.05	LOW	LOW	0	0	23	26	1.19	1.12	LOW	LOW	0	0
PORT	VICTORY BLVD	GEORGE WASHINGTON HWY	AFTON PKWY		27	30	1.18	1.12	LOW	LOW	0	0	31	29	1.04	1.12	LOW	LOW	0	0
PORT	VICTORY BLVD	AFTON PKWY	ELM AVE		27	30	1.18	1.12	LOW	LOW	0	0	31	29	1.04	1.12	LOW	LOW	0	0
PORT	W NORFOLK RD	CHURCHLAND BLVD	TYRE NECK RD		22	24	1.12	1.02	LOW	LOW	0	0	23	23	1.11	1.08	LOW	LOW	0	0
PORT	W NORFOLK RD	TYRE NECK RD	CEDAR LN		22	24	1.12	1.02	LOW	LOW	0	0	23	23	1.11	1.08	LOW	LOW	0	0
PORT	W NORFOLK RD	CEDAR LN	WESTERN FWY		33	28	1.05	1.13	LOW	LOW	0	0	32	31	1.11	1.05	LOW	LOW	0	0
PORT	WESTERN BRANCH BLVD	CHESAPEAKE CL	TYRE NECK RD		24	23	1.15	1.11	LOW	LOW	0	0	21	21	1.29	1.24	MOD	LOW	0	0
PORT	WESTERN FWY	SUFFOLK CL	TOWNE POINT RD	EB	48	-	1.27	-	MOD	-	0	-	59	-	1.03	-	LOW	-	0	-
				WB	-	58	-	1.01	-	LOW	-	0	-	58	-	1.02	-	LOW	-	0
PORT	WESTERN FWY	TOWNE POINT RD	CEDAR LN	EB	45	-	1.38	-	SEV	-	3	-	62	-	1.00	-	LOW	-	0	-
				WB	-	60	-	1.01	-	LOW	-	0	-	59	-	1.04	-	LOW	-	0
PORT	WESTERN FWY	CEDAR LN	VIG BLVD	EB	31	-	1.96	-	SEV	-	5	-	58	-	1.04	-	LOW	-	0	-
				WB	-	58	-	1.03	-	LOW	-	0	-	55	-	1.07	-	LOW	-	0
PORT	WESTERN FWY	VIG BLVD	WEST NORFOLK RD	EB	31	-	1.96	-	SEV	-	5	-	58	-	1.04	-	LOW	-	0	-
				WB	-	58	-	1.03	-	LOW	-	0	-	55	-	1.07	-	LOW	-	0
PORT	WESTERN FWY	WEST NORFOLK RD	MLK FREEWAY/MIDTOWN TUNNEL	EB	29	-	1.80	-	SEV	-	4	-	50	-	1.03	-	LOW	-	0	-
				WB	-	52	-	1.01	-	LOW	-	0	-	35	-	1.50	-	SEV	-	5
SH	BUS ROUTE 58	ROUTE 35	ECL COURTLAND		33	34	1.04	1.04	LOW	LOW	0	0	33	34	1.04	1.05	LOW	LOW	0	0
SH	BUS ROUTE 58	ECL COURTLAND	ROUTE 58		33	34	1.04	1.04	LOW	LOW	0	0	33	34	1.04	1.05	LOW	LOW	0	0
SH	BUSINESS ROUTE 58 (CAMP PKWY)	ROUTE 58	DELAWARE RD (RTE 687)		41	45	1.05	1.02	LOW	LOW	0	0	41	38	1.07	1.19	LOW	LOW	0	0
SH	BUSINESS ROUTE 58 (CAMP PKWY)	DELAWARE RD (RTE 687)	FRANKLIN CL		41	45	1.05	1.02	LOW	LOW	0	0	41	38	1.07	1.19	LOW	LOW	0	0
SH	ROUTE 35	NC STATE LINE	SCL BOYKINS		40	39	1.01	1.08	LOW	LOW	0	0	38	40	1.05	1.05	LOW	LOW	0	0
SH	ROUTE 35	SCL BOYKINS	ROUTE 1324		40	39	1.01	1.08	LOW	LOW	0	0	38	40	1.05	1.05	LOW	LOW	0	0
SH	ROUTE 35	ROUTE 1324	ROUTE 186		40	39	1.01	1.08	LOW	LOW	0	0	38	40	1.05	1.05	LOW	LOW	0	0
SH	ROUTE 35	ROUTE 186	NCL BOYKINS		23	23	0.98	1.01	LOW	LOW	0	0	24	22	0.95	1.05	LOW	LOW	0	0
SH	ROUTE 35	NCL BOYKINS	ROUTE 671		23	23	0.98	1.01	LOW	LOW	0	0	24	22	0.95	1.05	LOW	LOW	0	0

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TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SH	ROUTE 35	ROUTE 671	GRAYS SHOP RD (RTE 673)		52	52	1.05	1.08	LOW	LOW	0	0	51	52	1.07	1.07	LOW	LOW	0	0
SH	ROUTE 35	GRAYS SHOP RD (RTE 673)	ROUTE 58		53	53	1.06	1.07	LOW	LOW	0	0	51	52	1.11	1.09	LOW	LOW	0	0
SH	ROUTE 35/BUS ROUTE 58	ROUTE 58	WCL COURTLAND		35	38	1.07	1.04	LOW	LOW	0	0	34	39	1.11	1.03	LOW	LOW	0	0
SH	ROUTE 35/BUS ROUTE 58	WCL COURTLAND	BUS RTE 58		35	38	1.07	1.04	LOW	LOW	0	0	34	39	1.11	1.03	LOW	LOW	0	0
SH	ROUTE 35	BUS RTE 58	NCL COURTLAND		52	50	1.02	1.07	LOW	LOW	0	0	51	51	1.03	1.04	LOW	LOW	0	0
SH	ROUTE 35	NCL COURTLAND	IVOR RD (RTE 616)		52	50	1.02	1.07	LOW	LOW	0	0	51	51	1.03	1.04	LOW	LOW	0	0
SH	ROUTE 35	IVOR RD (RTE 616)	CARYS BRIDGE RD (RTE 653)		52	50	1.02	1.07	LOW	LOW	0	0	51	51	1.03	1.04	LOW	LOW	0	0
SH	ROUTE 35	CARYS BRIDGE RD (RTE 653)	SUSSEX CL		56	55	1.03	1.08	LOW	LOW	0	0	57	57	1.02	1.03	LOW	LOW	0	0
SH	ROUTE 58	GREENSVILLE CL	ADAMS GROVE RD (RTE 615)		63	63	1.00	1.01	LOW	LOW	0	0	63	63	1.00	1.00	LOW	LOW	0	0
SH	ROUTE 58	ADAMS GROVE RD (RTE 615)	DREWRY RD (RTE 659)		63	63	1.00	1.01	LOW	LOW	0	0	63	63	1.00	1.00	LOW	LOW	0	0
SH	ROUTE 58	DREWRY RD (RTE 659)	PINOPOLIS RD (ROUTE 653)		63	63	1.00	1.00	LOW	LOW	0	0	63	63	1.00	1.01	LOW	LOW	0	0
SH	ROUTE 58	PINOPOLIS RD (ROUTE 653)	ROUTE 35		61	62	1.01	1.01	LOW	LOW	0	0	61	62	1.01	1.01	LOW	LOW	0	0
SH	ROUTE 58	ROUTE 35	BUS RTE 58 W		58	59	1.00	1.01	LOW	LOW	0	0	57	59	1.02	1.01	LOW	LOW	0	0
SH	ROUTE 58	BUS RTE 58 W	CAMP PKWY (BUS RTE 58 E)		48	49	1.09	1.07	LOW	LOW	0	0	47	46	1.11	1.14	LOW	LOW	0	0
SH	ROUTE 58	CAMP PKWY (BUS RTE 58 E)	ARMORY DR (RTE 671)		61	62	1.00	1.00	LOW	LOW	0	0	61	62	1.00	1.00	LOW	LOW	0	0
SH	ROUTE 58	ARMORY DR (RTE 671)	ROUTE 258		62	61	1.00	1.02	LOW	LOW	0	0	63	62	0.99	1.01	LOW	LOW	0	0
SH	ROUTE 58	ROUTE 258	PRETLOW RD (RTE 714)		62	63	1.01	1.00	LOW	LOW	0	0	62	63	1.02	1.00	LOW	LOW	0	0
SH	ROUTE 58	PRETLOW RD (RTE 714)	SUFFOLK CL		62	60	1.00	1.01	LOW	LOW	0	0	63	62	0.99	0.98	LOW	LOW	0	0
SH	ROUTE 186	NC STATE LINE	WCL BRANCHVILLE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 186	WCL BRANCHVILLE	JOYNER RD (RTE 701)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 186	JOYNER RD (RTE 701)	ECL BRANCHVILLE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 186	ECL BRANCHVILLE	WCL BOYKINS		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 186	WCL BOYKINS	ROUTE 35		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 189	ROUTE 258	PRETLOW RD (RTE 714)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 189	PRETLOW RD (RTE 714)	SUFFOLK CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 258	NC STATE LINE	ROUTE 189		56	53	1.02	1.07	LOW	LOW	0	0	51	56	1.12	1.02	LOW	LOW	0	0
SH	ROUTE 258	ROUTE 189	DOGWOOD BEND RD (RTE 684)		51	50	1.05	1.07	LOW	LOW	0	0	48	52	1.11	1.04	LOW	LOW	0	0
SH	ROUTE 258	DOGWOOD BEND RD (RTE 684)	ROUTE 58		51	50	1.05	1.07	LOW	LOW	0	0	48	52	1.11	1.04	LOW	LOW	0	0
SH	ROUTE 460	SUSSEX CL	WCL IVOR		54	54	1.00	1.01	LOW	LOW	0	0	54	54	1.01	1.02	LOW	LOW	0	0
SH	ROUTE 460	WCL IVOR	ROUTE 616 (IVOR RD)		54	54	1.00	1.01	LOW	LOW	0	0	54	54	1.01	1.02	LOW	LOW	0	0
SH	ROUTE 460	ROUTE 616 (IVOR RD)	ECL IVOR		55	54	1.01	1.02	LOW	LOW	0	0	55	54	1.01	1.03	LOW	LOW	0	0
SH	ROUTE 460	ECL IVOR	ISLE OF WIGHT CL		55	54	1.01	1.02	LOW	LOW	0	0	55	54	1.01	1.03	LOW	LOW	0	0
SH	ROUTE 616	ROUTE 35	SAINT LUKES RD (RTE 633)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 616	SAINT LUKES RD (RTE 633)	SEACOCK RD (RTE 614)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 616	SEACOCK RD (RTE 614)	MILLFIELD RD (RTE 605)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 616	MILLFIELD RD (RTE 605)	SCL IVOR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 616	SCL IVOR	ROUTE 460		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 671	ROUTE 35	CROSS KEYS RD (RTE 665)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 671	CROSS KEYS RD (RTE 665)	WCL NEWSOMS		-	-	-	-	MOD		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 671	WCL NEWSOMS	GRAYS SHOP RD (RTE 673)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 671	GRAYS SHOP RD (RTE 673)	ECL NEWSOMS		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SH	ROUTE 671	ECL NEWSOMS	SUNBEAM RD (RTE 680)		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
SH	ROUTE 671	SUNBEAM RD (RTE 680)	DELAWARE RD (RTE 687)		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
SH	ROUTE 671	DELAWARE RD (RTE 687)	ROUTE 58		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	BENNETTS PASTURE RD	NANSEMOND PKWY	KINGS HWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	BENNETTS PASTURE RD	KINGS HWY	BRIDGE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	BRIDGE RD	ISLE OF WIGHT CL	E. END CHUCKATUCK BRIDGE		46	45	1.07	1.10	LOW	LOW	0	0	45	44	1.08	1.14	LOW	LOW	0	0
SUF	BRIDGE RD	E. END CHUCKATUCK BRIDGE	CRITTENDEN RD		46	45	1.07	1.10	LOW	LOW	0	0	45	44	1.08	1.14	LOW	LOW	0	0
SUF	BRIDGE RD	CRITTENDEN RD	N. END NANSEMOND RIVER		43	47	1.09	1.06	LOW	LOW	0	0	43	48	1.10	1.04	LOW	LOW	0	0
SUF	BRIDGE RD	N. END NANSEMOND RIVER	S. END NANSEMOND RIVER		43	47	1.09	1.06	LOW	LOW	0	0	43	48	1.10	1.04	LOW	LOW	0	0
SUF	BRIDGE RD	S. END NANSEMOND RIVER	BENNETTS PASTURE RD		43	47	1.09	1.06	LOW	LOW	0	0	43	48	1.10	1.04	LOW	LOW	0	0
SUF	BRIDGE RD	BENNETTS PASTURE RD	SHOULDERS HILL RD		36	43	1.20	1.05	LOW	LOW	0	0	34	39	1.27	1.16	MOD	LOW	0	0
SUF	BRIDGE RD	SHOULDERS HILL RD	HARBOUR VIEW BLVD		41	36	1.04	1.10	LOW	LOW	0	0	39	25	1.11	1.59	LOW	SEV	0	6
SUF	BRIDGE RD	HARBOUR VIEW BLVD	WESTERN FWY		41	36	1.04	1.10	LOW	LOW	0	0	39	25	1.11	1.59	LOW	SEV	0	6
SUF	BRIDGE RD	WESTERN FWY	I-664		41	35	1.04	1.13	LOW	LOW	0	0	39	28	1.11	1.44	LOW	SEV	0	1
SUF	BRIDGE RD	I-664	COLLEGE DR		28	27	1.19	1.09	LOW	LOW	0	0	25	25	1.34	1.14	MOD	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS					2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SUF	BRIDGE RD	COLLEGE DR	CHESAPEAKE CL		28	27	1.19	1.09	LOW	LOW	0	0	25	25	1.34	1.14	MOD	LOW	0	0
SUF	BUCKHORN DR	ROUTE 58	INDIAN TRAIL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	BUCKHORN DR	INDIAN TRAIL	ISLE OF WIGHT CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	CAROLINA RD	NC STATE LINE	ADAMS SWAMP RD (RTE 642)		56	55	1.02	1.05	LOW	LOW	0	0	54	57	1.05	1.03	LOW	LOW	0	0
SUF	CAROLINA RD	ADAMS SWAMP RD (RTE 642)	CYPRESS CHAPEL RD (RTE 675)		56	55	1.02	1.05	LOW	LOW	0	0	54	57	1.05	1.03	LOW	LOW	0	0
SUF	CAROLINA RD	CYPRESS CHAPEL RD (RTE 675)	BABBTOWN RD (RTE 759)		56	55	1.02	1.05	LOW	LOW	0	0	54	57	1.05	1.03	LOW	LOW	0	0
SUF	CAROLINA RD	BABBTOWN RD (RTE 759)	WHALEYVILLE BLVD		56	55	1.02	1.05	LOW	LOW	0	0	54	57	1.05	1.03	LOW	LOW	0	0
SUF	CAROLINA RD	WHALEYVILLE BLVD	TURLINGTON RD		45	42	1.08	1.16	LOW	LOW	0	0	45	43	1.07	1.15	LOW	LOW	0	0
SUF	CAROLINA RD	TURLINGTON RD	SW SUFFOLK BYPASS		41	43	1.07	1.07	LOW	LOW	0	0	42	43	1.05	1.08	LOW	LOW	0	0
SUF	CAROLINA RD	SW SUFFOLK BYPASS	FAYETTE ST		35	35	1.04	1.04	LOW	LOW	0	0	33	36	1.10	1.02	LOW	LOW	0	0
SUF	COLLEGE DR	BRIDGE RD	WESTERN FREEWAY		21	17	1.24	1.20	LOW	LOW	0	0	18	13	1.43	1.52	SEV	SEV	1	10
SUF	COLLEGE DR	WESTERN FREEWAY	HAMPTON ROADS PKWY		24	29	1.13	0.97	LOW	LOW	0	0	20	25	1.33	1.14	MOD	LOW	0	0
SUF	COLLEGE DR	HAMPTON ROADS PKWY	I-664		26	17	1.24	1.21	LOW	LOW	0	0	25	14	1.30	1.53	MOD	SEV	0	14
SUF	COLLEGE DR	I-664	HARBOUR VIEW BLVD		33	37	1.11	1.03	LOW	LOW	0	0	35	39	1.06	0.98	LOW	LOW	0	0
SUF	CONSTANCE RD	HOLLAND RD	PITCHKETTLE RD		31	27	1.10	1.15	LOW	LOW	0	0	31	28	1.10	1.11	LOW	LOW	0	0
SUF	CONSTANCE RD	PITCHKETTLE RD	MAIN ST		22	24	1.17	1.05	LOW	LOW	0	0	20	22	1.28	1.16	MOD	LOW	0	0
SUF	CONSTANCE RD	MAIN ST	WILROY RD		27	25	1.13	1.08	LOW	LOW	0	0	25	21	1.20	1.33	LOW	MOD	0	0
SUF	COPELAND RD	ROUTE 58	WHALEYVILLE BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	COPELAND RD	WHALEYVILLE BLVD	CAROLINA RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	CRITTENDEN RD	KINGS HWY	BRIDGE RD (RTE 17)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	EVERETTS RD	LAKE PRINCE DR (RTE 604)	MOORE FARM LN		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	EVERETTS RD	MOORE FARM LN	GODWIN BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	FINNEY AVE	N MAIN ST	PINNER ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	GODWIN BLVD	PRUDEN BLVD	SUFFOLK BYPASS		23	21	1.33	1.24	MOD	LOW	0	0	25	20	1.25	1.31	MOD	MOD	0	0
SUF	GODWIN BLVD	SUFFOLK BYPASS	KENSINGTON BLVD		27	28	1.21	1.19	LOW	LOW	0	0	27	24	1.23	1.40	LOW	SEV	0	2
SUF	GODWIN BLVD	KENSINGTON BLVD	KINGS FORK RD		27	28	1.21	1.19	LOW	LOW	0	0	27	24	1.23	1.40	LOW	SEV	0	2
SUF	GODWIN BLVD	KINGS FORK ROAD	1.36 MI N OF KINGS FORK RD		49	50	1.03	1.03	LOW	LOW	0	0	50	50	1.02	1.02	LOW	LOW	0	0
SUF	GODWIN BLVD	1.36 MILES N OF KINGS FORK RD	EVERETS RD		49	50	1.03	1.03	LOW	LOW	0	0	50	50	1.02	1.02	LOW	LOW	0	0
SUF	GODWIN BLVD	EVERETS RD	KINGS HWY		37	37	1.03	1.04	LOW	LOW	0	0	36	36	1.05	1.06	LOW	LOW	0	0
SUF	GODWIN BLVD	KINGS HWY	ISLE OF WIGHT CL		49	48	1.02	1.08	LOW	LOW	0	0	49	51	1.02	1.01	LOW	LOW	0	0
SUF	HAMPTON ROADS PKWY	HARBOUR VIEW BLVD	COLLEGE DR		27	26	1.08	1.08	LOW	LOW	0	0	25	27	1.17	1.06	LOW	LOW	0	0
SUF	HAMPTON ROADS PKWY	COLLEGE DR	PORTSMOUTH CL		26	24	1.04	1.12	LOW	LOW	0	0	25	24	1.07	1.13	LOW	LOW	0	0
SUF	HARBOUR VIEW BLVD	BRIDGE RD	HAMPTON ROADS PKWY		27	27	1.10	1.07	LOW	LOW	0	0	29	19	1.04	1.54	LOW	SEV	0	5
SUF	HARBOUR VIEW BLVD	HAMPTON ROADS PKWY	COLLEGE DR		29	27	1.16	1.17	LOW	LOW	0	0	36	32	0.95	1.00	LOW	LOW	0	0
SUF	HOLLAND RD (BUS RTE 58)	SUFFOLK BYPASS	CONSTANCE RD		31	27	1.10	1.15	LOW	LOW	0	0	31	28	1.10	1.11	LOW	LOW	0	0
SUF	HOLLAND RD (BUS RTE 58)	RURITAN BLVD	HOLLAND RD (RTE 58)		33	38	1.19	1.12	LOW	LOW	0	0	35	38	1.15	1.12	LOW	LOW	0	0
SUF	I-664	CHESAPEAKE CL	BRIDGE RD	SB	-	55	-	1.12	-	LOW	-	0	-	39	-	1.58	-	SEV	-	8
				NB	45	-	1.36	-	SEV	-	1	-	52	-	1.15	-	MOD	-	0	-
SUF	I-664	BRIDGE RD	WESTERN FWY	SB	-	55	-	1.12	-	LOW	-	0	-	41	-	1.52	-	SEV	-	6
				NB	40	-	1.52	-	SEV	-	4	-	47	-	1.29	-	MOD	-	0	-
SUF	I-664	WESTERN FWY	COLLEGE DR	SB	-	63	-	1.00	-	LOW	-	0	-	57	-	1.09	-	LOW	-	0
				NB	39	-	1.58	-	SEV	-	5	-	40	-	1.54	-	SEV	-	7	-
SUF	I-664/MMMBT	COLLEGE DR	NEWPORT NEWS CL	SB	-	60	-	1.01	-	LOW	-	0	-	49	-	1.24	-	MOD	-	0
				NB	48	-	1.23	-	MOD	-	0	-	49	-	1.20	-	MOD	-	0	-
SUF	KINGS FORK RD	PITCHKETTLE RD	PRUDEN BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	KINGS FORK RD	PRUDEN BLVD	GODWIN BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	KINGS HWY	GODWIN BLVD	CRITTENDEN RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	KINGS HWY	BENNETTS PASTURE RD	NANSEMOND PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	LAKE PRINCE DR (RTE 604)	ROUTE 460 (PRUDEN BLVD)	ROUTE 603 (EVERETTS RD)		42	42	1.05	1.03	LOW	LOW	0	0	43	40	1.03	1.06	LOW	LOW	0	0
SUF	MAIN ST	FAYETTE ST	WASHINGTON ST		35	35	1.04	1.04	LOW	LOW	0	0	33	36	1.10	1.02	LOW	LOW	0	0
SUF	MAIN ST	WASHINGTON ST	MARKET ST		17	19	1.21	1.16	LOW	LOW	0	0	12	16	1.69	1.32	SEV	MOD	14	0
SUF	MAIN ST	MARKET ST	CONSTANCE RD		17	19	1.21	1.16	LOW	LOW	0	0	12	16	1.69	1.32	SEV	MOD	14	0
SUF	MAIN ST	CONSTANCE RD	PRUDEN BLVD/GODWIN BLVD		27	25	1.02	1.11	LOW	LOW	0	0	22	20	1.21	1.42	LOW	SEV	0	1
SUF	MARKET ST	WASHINGTON ST	MAIN ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	NANSEMOND PKWY	WILROY RD	BENNETTS PASTURE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	NANSEMOND PKWY	BENNETTS PASTURE RD	KINGS HWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SUF	NANSEMOND PKWY	KINGS HWY	SHOULDERS HILL RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	NANSEMOND PKWY	SHOULDERS HILL RD	CHESAPEAKE CL		35	33	1.06	1.10	LOW	LOW	0	0	36	31	1.02	1.14	LOW	LOW	0	0
SUF	PINNER ST	WASHINGTON ST	BANK ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	PINNER ST	BANK ST	FINNEY AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	PINNER ST	FINNEY AVE	CONSTANCE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	PITCHKETTLE RD	CONSTANCE RD	SUFFOLK BYPASS		36	33	1.07	1.07	LOW	LOW	0	0	37	34	1.04	1.05	LOW	LOW	0	0
SUF	PITCHKETTLE RD	SUFFOLK BYPASS	KINGS FORK RD		43	42	1.05	1.07	LOW	LOW	0	0	44	43	1.03	1.06	LOW	LOW	0	0
SUF	PORTSMOUTH BLVD	WILROY RD	WASHINGTON ST		33	34	1.15	1.10	LOW	LOW	0	0	32	28	1.20	1.31	LOW	MOD	0	0
SUF	PORTSMOUTH BLVD	WASHINGTON ST	SUFFOLK BYPASS		47	44	1.10	1.09	LOW	LOW	0	0	47	38	1.08	1.28	LOW	MOD	0	0
SUF	PROVIDENCE RD (RTE 604)	KINGS FORK RD	ROUTE 460 (PRUDEN BLVD)		29	30	1.15	1.15	LOW	LOW	0	0	27	29	1.25	1.17	MOD	LOW	0	0
SUF	PRUDEN BLVD	ISLE OF WIGHT CL	LAKE PRINCE DR		49	49	1.01	1.00	LOW	LOW	0	0	47	50	1.05	1.00	LOW	LOW	0	0
SUF	PRUDEN BLVD	LAKE PRINCE DR	KINGS FORK RD		35	38	1.24	1.19	LOW	LOW	0	0	34	39	1.26	1.16	MOD	LOW	0	0
SUF	PRUDEN BLVD	KINGS FORK RD	SUFFOLK BYPASS		35	37	1.20	1.17	LOW	LOW	0	0	37	39	1.15	1.11	LOW	LOW	0	0
SUF	PRUDEN BLVD	SUFFOLK BYPASS	GODWIN BLVD		29	37	1.22	1.07	LOW	LOW	0	0	27	35	1.32	1.11	MOD	LOW	0	0
SUF	PUGHSVILLE RD	SHOULDERS HILL RD	TOWN POINT RD		33	32	1.00	1.05	LOW	LOW	0	0	30	31	1.09	1.09	LOW	LOW	0	0
SUF	PUGHSVILLE RD	TOWN POINT RD	CHESAPEAKE CL		33	32	1.00	1.05	LOW	LOW	0	0	30	31	1.09	1.09	LOW	LOW	0	0
SUF	ROUTE 13/58/460	SUFFOLK BYPASS	CHESAPEAKE CL	EB	53	-	1.06	-	LOW	-	0	-	56	-	1.01	-	LOW	-	0	-
				WB	-	62	-	1.00	-	LOW	-	0	-	60	-	1.03	-	LOW	-	0
SUF	ROUTE 58	SOUTHAMPTON CL	RTE 189/258		62	60	1.00	1.01	LOW	LOW	0	0	63	62	0.99	0.98	LOW	LOW	0	0
SUF	ROUTE 58	RTE 189/258	RTE 272 (S. QUAY RD)		62	62	1.00	1.00	LOW	LOW	0	0	62	63	1.00	0.99	LOW	LOW	0	0
SUF	ROUTE 58	RTE 272	S. QUAY RD (ROUTE 189)		62	62	1.00	1.00	LOW	LOW	0	0	62	62	1.00	0.99	LOW	LOW	0	0
SUF	ROUTE 58 (HOLLAND BYPASS)	S. QUAY RD (ROUTE 189)	BUS RTE 58 (HOLLAND RD)		56	59	1.06	1.01	LOW	LOW	0	0	58	58	1.02	1.03	LOW	LOW	0	0
SUF	ROUTE 58 (HOLLAND RD)	BUS RTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)		51	53	1.05	1.05	LOW	LOW	0	0	51	53	1.06	1.04	LOW	LOW	0	0
SUF	ROUTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)	RTE 643 (MANNING BRIDGE RD)		51	53	1.05	1.05	LOW	LOW	0	0	51	53	1.06	1.04	LOW	LOW	0	0
SUF	ROUTE 58 (HOLLAND RD)	RTE. 643 (MANNING BRIDGE RD)	COVE POINT DR		51	53	1.05	1.05	LOW	LOW	0	0	51	53	1.06	1.04	LOW	LOW	0	0
SUF	ROUTE 58 (HOLLAND RD)	COVE POINT DR	SUFFOLK BYPASS		36	40	1.15	1.08	LOW	LOW	0	0	34	31	1.23	1.38	LOW	MOD	0	0
SUF	ROUTE 189 (IN HOLLAND)	RTE 58 (SOUTH OF HOLLAND)	BUS RTE 58 (RURITAN BLVD)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	ROUTE 189	SOUTHAMPTON CL	RTE 272		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	ROUTE 189	RTE 272	RTE 58		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	ROUTE 258	RTE 58	ISLE OF WIGHT CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	ROUTE 272	ROUTE 189	ROUTE 58		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	ROUTE 616	ROUTE 58	WHALEYVILLE BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	ROUTE 616	WHALEYVILLE BLVD	CAROLINA RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	RURITAN BLVD (BUS RTE 58)	ISLE OF WIGHT CL	RTE 189 (HOLLAND RD BUS)		42	43	1.03	1.01	LOW	LOW	0	0	40	44	1.06	0.99	LOW	LOW	0	0
SUF	SHOULDERS HILL RD	NANSEMOND PKWY	PUGHSVILLE RD		37	35	1.06	1.08	LOW	LOW	0	0	36	34	1.11	1.12	LOW	LOW	0	0
SUF	SHOULDERS HILL RD	PUGHSVILLE RD	BRIDGE RD		27	35	1.26	1.03	MOD	LOW	0	0	30	33	1.15	1.10	LOW	LOW	0	0
SUF	SOUTHWEST SUFFOLK BYPASS	HOLLAND RD	CAROLINA RD	NB	59	-	0.98	-	LOW	-	0	-	58	-	1.00	-	LOW	-	0	-
				SB	-	53	-	1.03	-	LOW	-	0	-	55	-	0.99	-	LOW	-	0
SUF	SUFFOLK BYPASS	HOLLAND RD	PITCHKETTLE RD	EB	59	-	1.00	-	LOW	-	0	-	59	-	1.00	-	LOW	-	0	-
				WB	-	52	-	1.00	-	LOW	-	0	-	45	-	1.17	-	MOD	-	0
SUF	SUFFOLK BYPASS	PITCHKETTLE RD	PRUDEN BLVD	EB	55	-	1.13	-	LOW	-	0	-	57	-	1.09	-	LOW	-	0	-
				WB	-	62	-	1.00	-	LOW	-	0	-	62	-	1.01	-	LOW	-	0
SUF	SUFFOLK BYPASS	PRUDEN BLVD	GODWIN BLVD	EB	52	-	1.14	-	LOW	-	0	-	54	-	1.11	-	LOW	-	0	-
				WB	-	61	-	1.00	-	LOW	-	0	-	60	-	1.02	-	LOW	-	0
SUF	SUFFOLK BYPASS	GODWIN BLVD	WILROY RD	EB	51	-	1.20	-	MOD	-	0	-	56	-	1.10	-	LOW	-	0	-
				WB	-	61	-	1.00	-	LOW	-	0	-	58	-	1.05	-	LOW	-	0
SUF	SUFFOLK BYPASS	WILROY RD	ROUTES 13/58/460	EB	60	-	1.04	-	LOW	-	0	-	59	-	1.06	-	LOW	-	0	-
				WB	-	52	-	1.19	-	MOD	-	0	-	55	-	1.12	-	LOW	-	0
SUF	TOWN POINT RD	PUGHSVILLE RD	BRIDGE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	WASHINGTON ST	W CONSTANCE RD	SARATOGA ST		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
SUF	WASHINGTON ST	SARATOGA ST	MAIN ST		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
SUF	WASHINGTON ST	MAIN ST	PINNER ST		27	26	1.12	1.12	LOW	LOW	0	0	23	23	1.30	1.32	MOD	MOD	0	0
SUF	WASHINGTON ST	PINNER ST	PORTSMOUTH BLVD		27	26	1.12	1.12	LOW	LOW	0	0	23	23	1.30	1.32	MOD	MOD	0	0
SUF	WESTERN FWY	BRIDGE RD	I-664	EB	49	-	1.02	-	LOW	-	0	-	44	-	1.14	-	LOW	-	0	-
				WB	-	46	-	1.00	-	LOW	-	0	-	36	-	1.29	-	MOD	-	0
SUF	WESTERN FWY	I-664	COLLEGE DR	EB	53	-	1.07	-	LOW	-	0	-	55	-	1.02	-	LOW	-	0	-
				WB	-	56	-	1.03	-	LOW	-	0	-	53	-	1.09	-	LOW	-	0

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Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SUF	WESTERN FWY	COLLEGE DR	PORTSMOUTH CL	EB	48	-	1.27	-	MOD	-	0	-	59	-	1.03	-	LOW	-	0	-
				WB	-	58	-	1.01	-	LOW	-	0	-	58	-	1.02	-	LOW	-	0
SUF	WHALEYVILLE BLVD	NC STATE LINE	RTE 616 (MINERAL SPRING RD)		51	50	1.05	1.08	LOW	LOW	0	0	52	52	1.03	1.04	LOW	LOW	0	0
SUF	WHALEYVILLE BLVD	RTE 616 (MINERAL SPRING RD)	RTE 677 (GREAT FORK RD)		51	50	1.05	1.08	LOW	LOW	0	0	52	52	1.03	1.04	LOW	LOW	0	0
SUF	WHALEYVILLE BLVD	RTE 677 (GREAT FORK RD)	RTE 675 (CYPRESS CHAPEL RD)		51	50	1.05	1.08	LOW	LOW	0	0	52	52	1.03	1.04	LOW	LOW	0	0
SUF	WHALEYVILLE BLVD	RTE 675 (CYPRESS CHAPEL RD)	RTE 759 (BABBTOWN RD)		51	50	1.05	1.08	LOW	LOW	0	0	52	52	1.03	1.04	LOW	LOW	0	0
SUF	WHALEYVILLE BLVD	RTE 759 (BABBTOWN RD)	RTE 32 (CAROLINA RD)		51	50	1.05	1.08	LOW	LOW	0	0	52	52	1.03	1.04	LOW	LOW	0	0
SUF	WILROY RD	CONSTANCE RD	SUFFOLK BYPASS		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUF	WILROY RD	SUFFOLK BYPASS	NANSEMOND PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUR	ROUTE 10	PRINCE GEORGE CL	ROUTE 40		49	50	1.07	1.09	LOW	LOW	0	0	50	51	1.04	1.06	LOW	LOW	0	0
SUR	ROUTE 10	ROUTE 40	ROUTE 31 (SOUTH)		53	48	1.03	1.14	LOW	LOW	0	0	52	54	1.05	1.03	LOW	LOW	0	0
SUR	ROUTES 10/31	ROUTE 31 (SOUTH)	ROUTE 31 (NORTH)		34	35	1.03	1.08	LOW	LOW	0	0	32	35	1.08	1.07	LOW	LOW	0	0
SUR	ROUTE 10	ROUTE 31 (NORTH)	ROUTE 617		51	48	1.02	1.08	LOW	LOW	0	0	49	50	1.05	1.03	LOW	LOW	0	0
SUR	ROUTE 10	ROUTE 617	ISLE OF WIGHT CL		51	48	1.02	1.08	LOW	LOW	0	0	49	50	1.05	1.03	LOW	LOW	0	0
SUR	ROUTE 31	SUSSEX CL	ROUTE 630		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUR	ROUTE 31	ROUTE 630	ROUTE 10 (SOUTH)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUR	ROUTE 31	ROUTE 10 (NORTH)	JAMESTOWN-SCOTLAND FERRY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
SUR	ROUTE 40	SUSSEX CL	ROUTE 615		49	46	1.05	1.08	LOW	LOW	0	0	49	44	1.04	1.14	LOW	LOW	0	0
SUR	ROUTE 40	ROUTE 615	ROUTE 10		46	52	1.16	1.04	LOW	LOW	0	0	46	49	1.16	1.12	LOW	LOW	0	0
VB	21ST ST	PARKS AVE	PACIFIC AVE		17	-	1.18	-	LOW	-	0	-	16	-	1.26	-	MOD	-	0	-
VB	21ST ST	PACIFIC AVE	ATLANTIC AVE		17	-	1.18	-	LOW	-	0	-	16	-	1.26	-	MOD	-	0	-
VB	22ND ST	PARKS AVE	PACIFIC AVE		-	17	-	1.28	-	MOD	-	0	-	16	-	1.38	-	MOD	-	0
VB	22ND ST	PACIFIC AVE	ATLANTIC AVE		-	17	-	1.28	-	MOD	-	0	-	16	-	1.38	-	MOD	-	0
VB	30TH ST	LASKIN RD	PACIFIC AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	30TH ST	PACIFIC AVE	ATLANTIC AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	ATLANTIC AVE	FORT STORY	83RD ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	ATLANTIC AVE	83RD ST	PACIFIC AVE		32	33	1.11	1.05	LOW	LOW	0	0	34	32	1.06	1.08	LOW	LOW	0	0
VB	ATLANTIC AVE	PACIFIC AVE	LASKIN RD		14	15	1.18	1.10	LOW	LOW	0	0	14	14	1.20	1.11	LOW	LOW	0	0
VB	ATLANTIC AVE	LASKIN RD	22ND ST		13	12	1.24	1.38	LOW	MOD	0	0	13	14	1.30	1.19	MOD	LOW	0	0
VB	ATLANTIC AVE	22ND ST	21ST ST		12	8	1.30	1.67	MOD	SEV	0	4	8	7	1.81	1.79	SEV	SEV	3	5
VB	ATLANTIC AVE	21ST ST	VA BEACH BLVD		13	12	1.13	1.19	LOW	LOW	0	0	11	11	1.40	1.26	MOD	MOD	0	0
VB	ATLANTIC AVE	VA BEACH BLVD	5TH ST		12	11	1.23	1.44	LOW	SEV	0	2	13	14	1.14	1.17	LOW	LOW	0	0
VB	BAXTER RD	PRINCESS ANNE RD	INDEPENDENCE BLVD		18	22	1.50	1.19	SEV	LOW	5	0	17	20	1.56	1.28	SEV	MOD	9	0
VB	BIRDNECK RD	GENERAL BOOTH BLVD	NORFOLK AVE		31	30	1.10	1.14	LOW	LOW	0	0	32	33	1.07	1.05	LOW	LOW	0	0
VB	BIRDNECK RD	NORFOLK AVE	VA BEACH BLVD		31	30	1.10	1.14	LOW	LOW	0	0	32	33	1.07	1.05	LOW	LOW	0	0
VB	BIRDNECK RD	VA BEACH BLVD	I-264		27	22	1.08	1.19	LOW	LOW	0	0	25	20	1.17	1.31	LOW	MOD	0	0
VB	BIRDNECK RD	I-264	LASKIN RD		19	26	1.30	1.23	MOD	LOW	0	0	20	26	1.24	1.21	LOW	LOW	0	0
VB	BLACKWATER RD	PUNGO FERRY RD	CHESAPEAKE CL		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
VB	BONNEY RD	INDEPENDENCE BLVD	ROSEMONT RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	CENTERVILLE TNPK	CHESAPEAKE CL	LYNNHAVEN PKWY		24	34	1.59	1.14	SEV	LOW	3	0	33	32	1.18	1.23	LOW	LOW	0	0
VB	CENTERVILLE TNPK	LYNNHAVEN PKWY	KEMPSVILLE RD		24	34	1.59	1.14	SEV	LOW	3	0	33	32	1.18	1.23	LOW	LOW	0	0
VB	CENTERVILLE TNPK	KEMPSVILLE RD	JAKE SEARS RD		23	30	1.48	1.15	SEV	LOW	2	0	26	25	1.30	1.41	MOD	SEV	0	1
VB	CENTERVILLE TNPK	JAKE SEARS RD	INDIAN RIVER RD		23	30	1.48	1.15	SEV	LOW	2	0	26	25	1.30	1.41	MOD	SEV	0	1
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	SHORE DR	TOLL PLAZA		25	52	1.26	1.01	MOD	LOW	0	0	24	52	1.32	1.03	MOD	LOW	0	0
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	TOLL PLAZA	NCL VA BEACH		48	54	1.12	1.06	LOW	LOW	0	0	52	55	1.03	1.04	LOW	LOW	0	0
VB	CLEVELAND ST	WITCHDUCK RD	KELLAM RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	COLUMBUS ST	KELLAM RD	INDEPENDENCE BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	COLUMBUS ST	INDEPENDENCE BLVD	CONSTITUTION DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	CONSTITUTION DR	BONNEY RD	COLUMBUS ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	CONSTITUTION DR	COLUMBUS ST	VIRGINIA BEACH BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	DAM NECK RD	SALEM RD	VA BEACH AMPHITHEATER		38	36	1.08	1.11	LOW	LOW	0	0	40	35	1.03	1.14	LOW	LOW	0	0
VB	DAM NECK RD	VA BEACH AMPHITHEATER	PRINCESS ANNE RD		17	36	1.56	1.06	SEV	LOW	2	0	22	37	1.22	1.03	LOW	LOW	0	0
VB	DAM NECK RD	PRINCESS ANNE RD	ROSEMONT RD		23	27	1.38	1.19	MOD	LOW	0	0	25	20	1.29	1.56	MOD	SEV	0	5
VB	DAM NECK RD	ROSEMONT RD	HOLLAND RD		23	27	1.38	1.19	MOD	LOW	0	0	25	20	1.29	1.56	MOD	SEV	0	5
VB	DAM NECK RD	HOLLAND RD	DRAKESMILE RD		23	35	1.88	1.13	SEV	LOW	3	0	37	14	1.19	2.81	LOW	SEV	0	13
VB	DAM NECK RD	DRAKESMILE RD	LONDON BRIDGE RD		23	35	1.88	1.13	SEV	LOW	3	0	37	14	1.19	2.81	LOW	SEV	0	13

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	DAM NECK RD	LONDON BRIDGE RD	HARPERS RD		38	39	1.14	1.10	LOW	LOW	0	0	39	39	1.12	1.09	LOW	LOW	0	0
VB	DAM NECK RD	HARPERS RD	GENERAL BOOTH BLVD		38	39	1.14	1.10	LOW	LOW	0	0	39	39	1.12	1.09	LOW	LOW	0	0
VB	DAM NECK RD	GENERAL BOOTH BLVD	UPTON DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	DAM NECK RD	UPTON DR	USN TRAINING CENTER		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	DIAMOND SPRINGS RD	NEWTOWN RD	WESLEYAN RD		31	33	1.10	1.00	LOW	LOW	0	0	30	29	1.14	1.14	LOW	LOW	0	0
VB	DIAMOND SPRINGS RD	WESLEYAN RD	NORTHAMPTON BLVD		32	33	1.11	1.07	LOW	LOW	0	0	31	32	1.11	1.08	LOW	LOW	0	0
VB	DIAMOND SPRINGS RD	NORTHAMPTON BLVD	SHORE DR		31	23	1.09	1.36	LOW	MOD	0	0	30	26	1.14	1.21	LOW	LOW	0	0
VB	DRAKESMILE RD	DAM NECK RD	SHIPPS CORNER RD		22	22	1.56	1.20	SEV	LOW	8	0	24	20	1.40	1.32	SEV	MOD	1	0
VB	ELBOW RD	CHESAPEAKE CL	INDIAN RIVER RD (WEST)		40	39	1.04	1.07	LOW	LOW	0	0	37	37	1.13	1.11	LOW	LOW	0	0
VB	ELBOW RD/INDIAN RIVER RD	INDIAN RIVER RD (WEST)	INDIAN RIVER RD (EAST)		40	39	1.04	1.07	LOW	LOW	0	0	37	37	1.13	1.11	LOW	LOW	0	0
VB	ELBOW RD	INDIAN RIVER RD (EAST)	SALEM RD		31	28	1.05	1.17	LOW	LOW	0	0	31	16	1.04	2.11	LOW	SEV	0	7
VB	FERRELL PKWY	INDIAN RIVER RD	INDIAN LAKES BLVD		31	19	1.13	1.75	LOW	SEV	0	2	33	30	1.08	1.14	LOW	LOW	0	0
VB	FERRELL PKWY	INDIAN LAKES BLVD	PLEASANT VALLEY RD		45	38	1.01	1.13	LOW	LOW	0	0	47	33	0.98	1.29	LOW	MOD	0	0
VB	FERRELL PKWY	PLEASANT VALLEY RD	PRINCESS ANNE RD		45	38	1.01	1.13	LOW	LOW	0	0	47	33	0.98	1.29	LOW	MOD	0	0
VB	FIRST COLONIAL RD	VA BEACH BLVD	I-264		17	9	1.42	1.86	SEV	SEV	1	9	14	10	1.73	1.65	SEV	SEV	12	10
VB	FIRST COLONIAL RD	I-264	LASKIN RD		23	24	1.19	1.12	LOW	LOW	0	0	21	18	1.27	1.47	MOD	SEV	0	2
VB	FIRST COLONIAL RD	LASKIN RD	OLD DONATION PKWY		23	24	1.19	1.12	LOW	LOW	0	0	21	18	1.27	1.47	MOD	SEV	0	2
VB	FIRST COLONIAL RD	OLD DONATION PKWY	GREAT NECK RD		23	24	1.19	1.12	LOW	LOW	0	0	21	18	1.27	1.47	MOD	SEV	0	2
VB	GENERAL BOOTH BLVD	PRINCESS ANNE RD	NIMMO PKWY		29	31	1.06	1.06	LOW	LOW	0	0	26	25	1.19	1.29	LOW	MOD	0	0
VB	GENERAL BOOTH BLVD	NIMMO PKWY	LONDON BRIDGE RD		29	31	1.06	1.06	LOW	LOW	0	0	26	25	1.19	1.29	LOW	MOD	0	0
VB	GENERAL BOOTH BLVD	LONDON BRIDGE RD	DAM NECK RD		29	31	1.06	1.06	LOW	LOW	0	0	26	25	1.19	1.29	LOW	MOD	0	0
VB	GENERAL BOOTH BLVD	DAM NECK RD	OCEANA BLVD/PROSPERITY RD		29	25	1.20	1.23	LOW	LOW	0	0	30	19	1.13	1.66	LOW	SEV	0	3
VB	GENERAL BOOTH BLVD	OCEANA BLVD/PROSPERITY RD	BIRDNECK RD		42	36	1.07	1.13	LOW	LOW	0	0	42	35	1.07	1.17	LOW	LOW	0	0
VB	GENERAL BOOTH BLVD	BIRDNECK RD	HARBOUR POINT		39	38	1.06	1.06	LOW	LOW	0	0	38	37	1.08	1.08	LOW	LOW	0	0
VB	GREAT NECK RD	VA BEACH BLVD	OLD DONATION PKWY		38	32	1.04	1.11	LOW	LOW	0	0	38	27	1.04	1.31	LOW	MOD	0	0
VB	GREAT NECK RD	OLD DONATION PKWY	FIRST COLONIAL RD		38	41	1.09	1.03	LOW	LOW	0	0	39	37	1.06	1.15	LOW	LOW	0	0
VB	GREAT NECK RD	FIRST COLONIAL RD	SHOREHAVEN RD		32	35	1.25	1.18	MOD	LOW	0	0	33	35	1.21	1.16	LOW	LOW	0	0
VB	GREAT NECK RD	SHOREHAVEN RD	SHORE DR		32	35	1.25	1.18	MOD	LOW	0	0	33	35	1.21	1.16	LOW	LOW	0	0
VB	HARPERS RD	DAM NECK RD	OCEANA BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	HAYGOOD RD	NEWTOWN RD	WESLEYAN DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	HAYGOOD RD	WESLEYAN DR	INDEPENDENCE BLVD		23	23	1.26	1.39	MOD	MOD	0	0	23	28	1.24	1.15	LOW	LOW	0	0
VB	HOLLAND RD	INDEPENDENCE BLVD	SOUTH PLAZA TRAIL		26	27	1.18	1.17	LOW	LOW	0	0	26	21	1.20	1.52	LOW	SEV	0	6
VB	HOLLAND RD	SOUTH PLAZA TRAIL	ROSEMONT RD		26	27	1.18	1.17	LOW	LOW	0	0	26	21	1.20	1.52	LOW	SEV	0	6
VB	HOLLAND RD	ROSEMONT RD	LYNNHAVEN PKWY		27	25	1.13	1.15	LOW	LOW	0	0	25	25	1.22	1.14	LOW	LOW	0	0
VB	HOLLAND RD	LYNNHAVEN PKWY	DAM NECK RD		24	23	1.14	1.22	LOW	LOW	0	0	20	22	1.36	1.28	MOD	MOD	0	0
VB	HOLLAND RD	DAM NECK RD	NIMMO PKWY		26	27	1.14	1.10	LOW	LOW	0	0	26	28	1.14	1.04	LOW	LOW	0	0
VB	HOLLAND RD	NIMMO PKWY	PRINCESS ANNE RD		26	27	1.14	1.10	LOW	LOW	0	0	26	28	1.14	1.04	LOW	LOW	0	0
VB	I-64	NORFOLK CL	INDIAN RIVER RD	EB	60	-	1.00	-	LOW	-	0	-	50	-	1.21	-	MOD	-	0	-
				WB	-	28	-	1.82	-	SEV	-	6	-	15	-	3.36	-	SEV	-	16
VB	I-64	INDIAN RIVER RD	CHESEAPEAKE CL	EB	58	-	1.04	-	LOW	-	0	-	56	-	1.08	-	LOW	-	0	-
				WB	-	48	-	1.26	-	MOD	-	0	-	54	-	1.11	-	LOW	-	0
VB	I-264	NEWTOWN RD/ECL NORFOLK	WITCHDUCK RD	EB	56	-	1.07	-	LOW	-	0	-	39	-	1.56	-	SEV	-	12	-
				WB	-	52	-	1.17	-	MOD	-	0	-	43	-	1.43	-	SEV	-	2
VB	I-264	WITCHDUCK RD	INDEPENDENCE BLVD	EB	60	-	1.00	-	LOW	-	0	-	55	-	1.10	-	LOW	-	0	-
				WB	-	50	-	1.20	-	MOD	-	0	-	47	-	1.28	-	MOD	-	0
VB	I-264	INDEPENDENCE BLVD	ROSEMONT RD	EB	60	-	1.02	-	LOW	-	0	-	59	-	1.03	-	LOW	-	0	-
				WB	-	45	-	1.35	-	SEV	-	2	-	54	-	1.13	-	LOW	-	0
VB	I-264	ROSEMONT RD	LYNNHAVEN PKWY	EB	60	-	1.01	-	LOW	-	0	-	58	-	1.05	-	LOW	-	0	-
				WB	-	46	-	1.32	-	SEV	-	1	-	55	-	1.12	-	LOW	-	0
VB	I-264	LYNNHAVEN PKWY	LONDON BRIDGE RD	EB	58	-	1.04	-	LOW	-	0	-	59	-	1.02	-	LOW	-	0	-
				WB	-	59	-	1.02	-	LOW	-	0	-	59	-	1.01	-	LOW	-	0
VB	I-264	LONDON BRIDGE RD	LASKIN RD	EB	58	-	1.04	-	LOW	-	0	-	59	-	1.02	-	LOW	-	0	-
				WB	-	59	-	1.02	-	LOW	-	0	-	59	-	1.01	-	LOW	-	0
VB	I-264	LASKIN RD	FIRST COLONIAL RD	EB	60	-	1.02	-	LOW	-	0	-	63	-	0.97	-	LOW	-	0	-
				WB	-	61	-	1.02	-	LOW	-	0	-	63	-	0.98	-	LOW	-	0
VB	I-264	FIRST COLONIAL RD	S.E. PARKWAY CORRIDOR	EB	58	-	1.01	-	LOW	-	0	-	58	-	0.99	-	LOW	-	0	-
				WB	-	60	-	0.99	-	LOW	-	0	-	59	-	0.99	-	LOW	-	0

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Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	I-264	S.E. PARKWAY CORRIDOR	BIRDNECK RD	EB	58	-	1.01	-	LOW	-	0	-	58	-	0.99	-	LOW	-	0	-
				WB	-	60	-	0.99	-	LOW	-	0	-	59	-	0.99	-	LOW	-	0
VB	I-264	BIRDNECK RD	PARKS AVE	EB	40	-	1.15	-	LOW	-	0	-	37	-	1.25	-	MOD	-	0	-
				WB	-	51	-	0.98	-	LOW	-	0	-	52	-	0.95	-	LOW	-	0
VB	INDEPENDENCE BLVD	INDIAN RIVER RD	SALEM RD		36	36	1.04	1.00	LOW	LOW	0	0	35	34	1.05	1.07	LOW	LOW	0	0
VB	INDEPENDENCE BLVD	SALEM RD	PRINCESS ANNE RD		25	29	1.19	1.07	LOW	LOW	0	0	24	29	1.24	1.06	LOW	LOW	0	0
VB	INDEPENDENCE BLVD	PRINCESS ANNE RD	LYNNHAVEN PKWY		19	15	1.19	1.33	LOW	MOD	0	0	18	16	1.24	1.25	LOW	LOW	0	0
VB	INDEPENDENCE BLVD	LYNNHAVEN PKWY	PLAZA TRAIL		32	31	1.11	1.17	LOW	LOW	0	0	28	31	1.23	1.16	LOW	LOW	0	0
VB	INDEPENDENCE BLVD	PLAZA TRAIL	HOLLAND RD		24	32	1.45	1.15	SEV	LOW	2	0	29	28	1.23	1.33	LOW	MOD	0	0
VB	INDEPENDENCE BLVD	HOLLAND RD	BAXTER RD		18	33	1.66	1.12	SEV	LOW	5	0	22	26	1.35	1.45	MOD	SEV	0	3
VB	INDEPENDENCE BLVD	BAXTER RD	I-264		27	18	1.17	1.76	LOW	SEV	0	6	27	26	1.17	1.24	LOW	LOW	0	0
VB	INDEPENDENCE BLVD	I-264	BONNEY RD		17	25	1.39	1.15	MOD	LOW	0	0	17	16	1.45	1.78	SEV	SEV	2	4
VB	INDEPENDENCE BLVD	BONNEY RD	COLUMBUS ST		17	25	1.39	1.15	MOD	LOW	0	0	17	16	1.45	1.78	SEV	SEV	2	4
VB	INDEPENDENCE BLVD	COLUMBUS ST	VA BEACH BLVD		17	25	1.39	1.15	MOD	LOW	0	0	17	16	1.45	1.78	SEV	SEV	2	4
VB	INDEPENDENCE BLVD	VA BEACH BLVD	JEANNE ST		33	32	1.07	1.01	LOW	LOW	0	0	33	20	1.07	1.64	LOW	SEV	0	3
VB	INDEPENDENCE BLVD	JEANNE ST	PEMBROKE BLVD		33	32	1.07	1.01	LOW	LOW	0	0	33	20	1.07	1.64	LOW	SEV	0	3
VB	INDEPENDENCE BLVD	PEMBROKE BLVD	HAYGOOD RD		32	31	1.08	1.10	LOW	LOW	0	0	30	29	1.17	1.16	LOW	LOW	0	0
VB	INDEPENDENCE BLVD	HAYGOOD RD	NORTHAMPTON BLVD		37	34	1.04	1.07	LOW	LOW	0	0	37	25	1.05	1.47	LOW	SEV	0	2
VB	INDEPENDENCE BLVD	NORTHAMPTON BLVD	SHORE DR		16	38	1.98	1.02	SEV	LOW	10	0	28	38	1.15	1.03	LOW	LOW	0	0
VB	INDIAN LAKES BLVD	FERRELL PKWY	INDIAN RIVER RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	INDIAN RIVER RD	CHESAPEAKE CL	MILITARY HWY		26	31	1.17	1.11	LOW	LOW	0	0	24	30	1.26	1.14	MOD	LOW	0	0
VB	INDIAN RIVER RD	MILITARY HWY	PROVIDENCE RD		24	22	1.24	1.25	LOW	MOD	0	0	24	20	1.24	1.33	LOW	MOD	0	0
VB	INDIAN RIVER RD	PROVIDENCE RD	I-64		29	22	1.13	1.21	LOW	LOW	0	0	22	17	1.49	1.55	SEV	SEV	2	6
VB	INDIAN RIVER RD	I-64	CENTERVILLE TNPK		27	34	1.22	1.07	LOW	LOW	0	0	13	30	2.58	1.19	SEV	LOW	12	0
VB	INDIAN RIVER RD	CENTERVILLE TNPK	KEMPSVILLE RD		26	25	1.21	1.21	LOW	LOW	0	0	15	25	2.09	1.18	SEV	LOW	11	0
VB	INDIAN RIVER RD	KEMPSVILLE RD	FERRELL PKWY		34	17	1.03	1.72	LOW	SEV	0	3	37	20	0.95	1.48	LOW	SEV	0	3
VB	INDIAN RIVER RD	FERRELL PKWY	INDIAN LAKES BLVD		36	24	1.07	1.33	LOW	MOD	0	0	39	22	1.00	1.41	LOW	SEV	0	1
VB	INDIAN RIVER RD	INDIAN LAKES BLVD	LYNNHAVEN PKWY		29	31	1.25	1.06	LOW	LOW	0	0	32	28	1.11	1.18	LOW	LOW	0	0
VB	INDIAN RIVER RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		35	37	1.10	1.04	LOW	LOW	0	0	35	37	1.12	1.05	LOW	LOW	0	0
VB	INDIAN RIVER RD	INDEPENDENCE BLVD	ELBOW RD (WEST)		35	37	1.10	1.04	LOW	LOW	0	0	35	37	1.12	1.05	LOW	LOW	0	0
VB	INDIAN RIVER RD	ELBOW RD (EAST)	S.E. PARKWAY CORRIDOR		38	35	1.09	1.14	LOW	LOW	0	0	38	35	1.07	1.14	LOW	LOW	0	0
VB	INDIAN RIVER RD	S.E. PARKWAY CORRIDOR	NORTH LANDING RD		38	35	1.09	1.14	LOW	LOW	0	0	38	35	1.07	1.14	LOW	LOW	0	0
VB	INDIAN RIVER RD	NORTH LANDING RD	WEST NECK RD		41	39	1.03	1.08	LOW	LOW	0	0	41	40	1.02	1.07	LOW	LOW	0	0
VB	INDIAN RIVER RD	WEST NECK RD	PRINCESS ANNE RD		41	39	1.03	1.08	LOW	LOW	0	0	41	40	1.02	1.07	LOW	LOW	0	0
VB	INTERNATIONAL PKWY	LYNNHAVEN PKWY	LONDON BRIDGE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	KEMPSVILLE RD	CHESAPEAKE CL	CENTERVILLE TNPK		31	31	1.14	1.17	LOW	LOW	0	0	31	32	1.14	1.16	LOW	LOW	0	0
VB	KEMPSVILLE RD	CENTERVILLE TNPK	INDIAN RIVER RD		23	29	1.48	1.21	SEV	LOW	2	0	26	33	1.28	1.06	MOD	LOW	0	0
VB	KEMPSVILLE RD	INDIAN RIVER RD	PROVIDENCE RD		32	30	1.05	1.09	LOW	LOW	0	0	29	16	1.16	1.98	LOW	SEV	0	13
VB	KEMPSVILLE RD	PROVIDENCE RD	PRINCESS ANNE RD		23	25	1.34	1.19	MOD	LOW	0	0	23	19	1.30	1.61	MOD	SEV	0	3
VB	LASKIN RD	VA BEACH BLVD	FIRST COLONIAL RD		27	30	1.14	1.10	LOW	LOW	0	0	21	26	1.48	1.26	SEV	MOD	5	0
VB	LASKIN RD	FIRST COLONIAL RD	WINWOOD DR		32	31	1.10	1.05	LOW	LOW	0	0	32	24	1.10	1.36	LOW	MOD	0	0
VB	LASKIN RD	WINWOOD DR	BIRDNECK RD		32	31	1.10	1.05	LOW	LOW	0	0	32	24	1.10	1.36	LOW	MOD	0	0
VB	LASKIN RD	BIRDNECK RD	30TH ST/32ND ST		19	23	1.13	1.05	LOW	LOW	0	0	19	19	1.16	1.28	LOW	MOD	0	0
VB	LASKIN RD	30TH ST/32ND ST	PACIFIC AVE		19	23	1.13	1.05	LOW	LOW	0	0	19	19	1.16	1.28	LOW	MOD	0	0
VB	LASKIN RD/31ST ST	PACIFIC AVE	ATLANTIC AVE		8	13	1.27	0.93	MOD	LOW	0	0	7	7	1.39	1.67	MOD	SEV	0	11
VB	LONDON BRIDGE RD	GENERAL BOOTH BLVD	DAM NECK RD		32	31	1.09	1.13	LOW	LOW	0	0	29	29	1.19	1.23	LOW	LOW	0	0
VB	LONDON BRIDGE RD	DAM NECK RD	DRAKESMILE RD		32	31	1.09	1.13	LOW	LOW	0	0	29	29	1.19	1.23	LOW	LOW	0	0
VB	LONDON BRIDGE RD	SHIPPS CORNER RD/DRAKESMILE RD	INTERNATIONAL PKWY		40	40	1.09	1.10	LOW	LOW	0	0	33	34	1.34	1.28	MOD	MOD	0	0
VB	LONDON BRIDGE RD	INTERNATIONAL PKWY	POTTERS RD		40	40	1.09	1.10	LOW	LOW	0	0	33	34	1.34	1.28	MOD	MOD	0	0
VB	LONDON BRIDGE RD	POTTERS RD	I-264 RAMP		17	22	1.33	1.26	MOD	MOD	0	0	15	21	1.48	1.32	SEV	MOD	4	0
VB	LONDON BRIDGE RD	I-264 RAMP	VA BEACH BLVD		17	22	1.33	1.26	MOD	MOD	0	0	15	21	1.48	1.32	SEV	MOD	4	0
VB	LYNNHAVEN PKWY	CHESAPEAKE CL	CENTERVILLE TNPK		19	27	1.50	1.08	SEV	LOW	1	0	21	27	1.32	1.08	MOD	LOW	0	0
VB	LYNNHAVEN PKWY	CENTERVILLE TNPK	INDIAN RIVER RD		32	29	1.01	1.18	LOW	LOW	0	0	32	29	1.02	1.18	LOW	LOW	0	0
VB	LYNNHAVEN PKWY	INDIAN RIVER RD	SALEM RD		26	28	1.28	1.26	MOD	MOD	0	0	30	28	1.13	1.28	LOW	MOD	0	0
VB	LYNNHAVEN PKWY	SALEM RD	PRINCESS ANNE RD		17	20	1.22	1.21	LOW	LOW	0	0	18	21	1.16	1.13	LOW	LOW	0	0
VB	LYNNHAVEN PKWY	PRINCESS ANNE RD	INDEPENDENCE BLVD		23	25	1.28	1.13	MOD	LOW	0	0	25	19	1.17	1.52	LOW	SEV	0	2

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	LYNNHAVEN PKWY	INDEPENDENCE BLVD	ROSEMONT RD		23	25	1.28	1.13	MOD	LOW	0	0	25	19	1.17	1.52	LOW	SEV	0	2
VB	LYNNHAVEN PKWY	ROSEMONT RD	HOLLAND RD		23	25	1.28	1.13	MOD	LOW	0	0	25	19	1.17	1.52	LOW	SEV	0	2
VB	LYNNHAVEN PKWY	HOLLAND RD	S LYNNHAVEN RD		32	31	1.13	1.13	LOW	LOW	0	0	33	27	1.08	1.33	LOW	MOD	0	0
VB	LYNNHAVEN PKWY	S LYNNHAVEN RD	INTERNATIONAL PKWY		31	28	1.07	1.15	LOW	LOW	0	0	21	26	1.54	1.25	SEV	LOW	2	0
VB	LYNNHAVEN PKWY	INTERNATIONAL PKWY	POTTERS RD		31	28	1.07	1.15	LOW	LOW	0	0	21	26	1.54	1.25	SEV	LOW	2	0
VB	LYNNHAVEN PKWY	POTTERS RD	I-264		31	28	1.07	1.15	LOW	LOW	0	0	21	26	1.54	1.25	SEV	LOW	2	0
VB	LYNNHAVEN PKWY	I-264	VA BEACH BLVD		14	21	1.68	1.24	SEV	LOW	5	0	15	22	1.59	1.19	SEV	LOW	13	0
VB	MILITARY HWY	CHESAPEAKE CL	PROVIDENCE RD		26	25	1.18	1.29	LOW	MOD	0	0	22	22	1.42	1.45	SEV	SEV	2	2
VB	MILITARY HWY	PROVIDENCE RD	INDIAN RIVER RD		18	28	1.67	1.17	SEV	LOW	3	0	14	30	2.17	1.11	SEV	LOW	7	0
VB	MILITARY HWY	INDIAN RIVER RD	NORFOLK CL		35	30	1.17	1.30	LOW	MOD	0	0	34	27	1.20	1.47	LOW	SEV	0	3
VB	NEWTOWN RD	NORFOLK CL	BAKER RD		26	17	1.09	1.59	LOW	SEV	0	5	22	17	1.28	1.61	MOD	SEV	0	6
VB	NEWTOWN RD	BAKER RD	DIAMOND SPRINGS RD		26	17	1.09	1.59	LOW	SEV	0	5	22	17	1.28	1.61	MOD	SEV	0	6
VB	NEWTOWN RD	DIAMOND SPRINGS RD	HAYGOOD RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NIMMO PKWY	WEST NECK RD	PRINCESS ANNE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NIMMO PKWY	PRINCESS ANNE RD	HOLLAND RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NIMMO PKWY	HOLLAND RD	GENERAL BOOTH BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NIMMO PKWY	GENERAL BOOTH BLVD	UPTON DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NORFOLK AVE	BIRDNECK RD	PACIFIC AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NORFOLK AVE	PACIFIC AVE	ATLANTIC AVE		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	NORTHAMPTON BLVD	WESLEYAN DR/NORFOLK CL	DIAMOND SPRINGS RD		26	20	1.23	1.55	LOW	SEV	0	2	25	19	1.28	1.58	MOD	SEV	0	10
VB	NORTHAMPTON BLVD	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		47	40	1.04	1.09	LOW	LOW	0	0	49	40	0.98	1.09	LOW	LOW	0	0
VB	NORTHAMPTON BLVD	INDEPENDENCE BLVD	SHORE DR		37	39	1.14	1.14	LOW	LOW	0	0	34	36	1.23	1.25	LOW	LOW	0	0
VB	NORTH LANDING RD	CHESAPEAKE CL	INDIAN RIVER RD		38	43	1.19	1.03	LOW	LOW	0	0	39	39	1.15	1.14	LOW	LOW	0	0
VB	NORTH LANDING RD	INDIAN RIVER RD	SALEM RD		34	35	1.09	1.07	LOW	LOW	0	0	36	33	1.03	1.12	LOW	LOW	0	0
VB	NORTH LANDING RD	SALEM RD	WEST NECK RD		34	35	1.09	1.07	LOW	LOW	0	0	36	33	1.03	1.12	LOW	LOW	0	0
VB	NORTH LANDING RD	WEST NECK RD	PRINCESS ANNE RD		34	35	1.09	1.07	LOW	LOW	0	0	36	33	1.03	1.12	LOW	LOW	0	0
VB	OCEANA BLVD	GENERAL BOOTH BLVD	HARPERS RD		35	25	1.12	1.24	LOW	LOW	0	0	33	17	1.17	1.83	LOW	SEV	0	9
VB	OCEANA BLVD	HARPERS RD	TOMCAT BLVD (NAS MAIN ENT)		39	43	1.10	1.01	LOW	LOW	0	0	32	40	1.35	1.08	MOD	LOW	0	0
VB	OCEANA BLVD/FIRST COLONIAL RD	TOMCAT BLVD (NAS MAIN ENT)	VA BEACH BLVD		39	43	1.10	1.01	LOW	LOW	0	0	32	40	1.35	1.08	MOD	LOW	0	0
VB	PACIFIC AVE	ATLANTIC AVE	LASKIN RD		26	30	1.13	0.98	LOW	LOW	0	0	27	27	1.10	1.08	LOW	LOW	0	0
VB	PACIFIC AVE	LASKIN RD	22ND ST		18	22	1.22	1.02	LOW	LOW	0	0	21	19	1.07	1.18	LOW	LOW	0	0
VB	PACIFIC AVE	22ND ST	21ST ST		12	13	1.39	1.36	MOD	MOD	0	0	10	12	1.73	1.48	SEV	SEV	16	6
VB	PACIFIC AVE	21ST ST	VA BEACH BLVD		19	19	1.21	1.16	LOW	LOW	0	0	15	18	1.56	1.25	SEV	MOD	12	0
VB	PACIFIC AVE	VA BEACH BLVD	NORFOLK AVE		28	25	1.04	1.22	LOW	LOW	0	0	27	27	1.09	1.12	LOW	LOW	0	0
VB	PACIFIC AVE	NORFOLK AVE	HARBOUR POINT		28	25	1.04	1.22	LOW	LOW	0	0	27	27	1.09	1.12	LOW	LOW	0	0
VB	PEMBROKE BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		20	24	1.37	1.16	MOD	LOW	0	0	19	23	1.43	1.21	SEV	LOW	2	0
VB	PLAZA TRAIL, S.	PRINCESS ANNE RD	INDEPENDENCE BLVD		23	22	1.16	1.21	LOW	LOW	0	0	23	22	1.17	1.20	LOW	LOW	0	0
VB	PLAZA TRAIL, S.	INDEPENDENCE BLVD	HOLLAND RD		19	17	1.12	1.29	LOW	MOD	0	0	18	18	1.15	1.22	LOW	LOW	0	0
VB	PLAZA TRAIL, S.	HOLLAND RD	MARINA LAKE RD		23	23	1.13	1.12	LOW	LOW	0	0	23	23	1.13	1.11	LOW	LOW	0	0
VB	PLAZA TRAIL, S.	MARINA LAKE RD	ROSEMONT RD		23	23	1.13	1.12	LOW	LOW	0	0	23	23	1.13	1.11	LOW	LOW	0	0
VB	PLAZA TRAIL, S.	ROSEMONT RD	CONTINENTAL ST		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
VB	PLAZA TRAIL, S.	CONTINENTAL ST	VA BEACH BLVD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	PRINCESS ANNE RD	NEWTOWN RD/NORFOLK CL	KEMPSVILLE RD		25	24	1.14	1.21	LOW	LOW	0	0	22	26	1.30	1.13	MOD	LOW	0	0
VB	PRINCESS ANNE RD	KEMPSVILLE RD	BAXTER RD		23	23	1.36	1.25	MOD	MOD	0	0	18	22	1.79	1.34	SEV	MOD	4	0
VB	PRINCESS ANNE RD	BAXTER RD	PROVIDENCE RD		28	31	1.24	1.20	LOW	LOW	0	0	25	25	1.37	1.45	MOD	SEV	0	2
VB	PRINCESS ANNE RD	PROVIDENCE RD	FERRELL PKWY		32	29	1.08	1.18	LOW	LOW	0	0	30	29	1.14	1.17	LOW	LOW	0	0
VB	PRINCESS ANNE RD	FERRELL PKWY	LYNNHAVEN PKWY		32	29	1.08	1.18	LOW	LOW	0	0	30	29	1.14	1.17	LOW	LOW	0	0
VB	PRINCESS ANNE RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		25	28	1.36	1.23	MOD	LOW	0	0	35	30	0.98	1.12	LOW	LOW	0	0
VB	PRINCESS ANNE RD	INDEPENDENCE BLVD	DAM NECK RD		25	28	1.36	1.23	MOD	LOW	0	0	35	30	0.98	1.12	LOW	LOW	0	0
VB	PRINCESS ANNE RD	DAM NECK RD	S.E. PARKWAY CORRIDOR		32	35	1.09	1.03	LOW	LOW	0	0	32	30	1.10	1.19	LOW	LOW	0	0
VB	PRINCESS ANNE RD	S.E. PARKWAY CORRIDOR	NIMMO PKWY		32	35	1.09	1.03	LOW	LOW	0	0	32	30	1.10	1.19	LOW	LOW	0	0
VB	PRINCESS ANNE RD	NIMMO PKWY	NORTH LANDING RD		32	35	1.09	1.03	LOW	LOW	0	0	32	30	1.10	1.19	LOW	LOW	0	0
VB	PRINCESS ANNE RD	NORTH LANDING RD	HOLLAND RD		32	34	1.05	1.05	LOW	LOW	0	0	31	33	1.09	1.07	LOW	LOW	0	0
VB	PRINCESS ANNE RD	HOLLAND RD	SEABOARD RD		32	34	1.05	1.05	LOW	LOW	0	0	31	33	1.09	1.07	LOW	LOW	0	0
VB	PRINCESS ANNE RD	SEABOARD RD	GENERAL BOOTH BLVD		32	34	1.05	1.05	LOW	LOW	0	0	31	33	1.09	1.07	LOW	LOW	0	0
VB	PRINCESS ANNE RD	GENERAL BOOTH BLVD	SANDBRIDGE RD/UPTON DR		26	29	1.11	1.11	LOW	LOW	0	0	26	28	1.11	1.15	LOW	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	PRINCESS ANNE RD	SANDBRIDGE RD/UPTON DR	SEABOARD RD		37	38	1.07	1.08	LOW	LOW	0	0	37	39	1.07	1.04	LOW	LOW	0	0
VB	PRINCESS ANNE RD	SEABOARD RD	INDIAN RIVER RD		37	38	1.07	1.08	LOW	LOW	0	0	37	39	1.07	1.04	LOW	LOW	0	0
VB	PRINCESS ANNE RD	INDIAN RIVER RD	PUNGO FERRY RD		43	43	1.05	1.03	LOW	LOW	0	0	43	44	1.04	1.01	LOW	LOW	0	0
VB	PRINCESS ANNE RD	PUNGO FERRY RD	NORTH CAROLINA STATE LINE		43	43	1.05	1.03	LOW	LOW	0	0	43	44	1.04	1.01	LOW	LOW	0	0
VB	PROVIDENCE RD	CHESAPEAKE CL	MILITARY HWY		23	25	1.19	1.13	LOW	LOW	0	0	24	25	1.16	1.10	LOW	LOW	0	0
VB	PROVIDENCE RD	MILITARY HWY	INDIAN RIVER RD		21	16	1.15	1.44	LOW	SEV	0	2	19	20	1.26	1.17	MOD	LOW	0	0
VB	PROVIDENCE RD	INDIAN RIVER RD	KEMPSVILLE RD		25	27	1.16	1.19	LOW	LOW	0	0	20	27	1.45	1.18	SEV	LOW	2	0
VB	PROVIDENCE RD	KEMPSVILLE RD	PRINCESS ANNE RD		25	23	1.16	1.18	LOW	LOW	0	0	22	22	1.31	1.26	MOD	MOD	0	0
VB	PUNGO FERRY RD	BLACKWATER RD	PRINCESS ANNE RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
VB	ROSEMONT RD	DAM NECK RD	BUCKNER BLVD		28	26	1.01	1.13	LOW	LOW	0	0	28	24	1.01	1.20	LOW	LOW	0	0
VB	ROSEMONT RD	BUCKNER BLVD	LYNNHAVEN PKWY		28	26	1.01	1.13	LOW	LOW	0	0	28	24	1.01	1.20	LOW	LOW	0	0
VB	ROSEMONT RD	LYNNHAVEN PKWY	HOLLAND RD		27	27	1.19	1.19	LOW	LOW	0	0	28	27	1.17	1.18	LOW	LOW	0	0
VB	ROSEMONT RD	HOLLAND RD	PLAZA TRAIL		28	25	1.08	1.14	LOW	LOW	0	0	28	18	1.08	1.64	LOW	SEV	0	3
VB	ROSEMONT RD	PLAZA TRAIL	I-264		15	25	1.48	1.14	SEV	LOW	1	0	15	18	1.51	1.64	SEV	SEV	3	3
VB	ROSEMONT RD	I-264	VA BEACH BLVD		7	14	1.83	1.40	SEV	MOD	6	0	8	13	1.45	1.47	SEV	SEV	3	5
VB	SALEM RD	NORTH LANDING RD	ELBOW RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	SALEM RD	ELBOW RD	INDEPENDENCE BLVD		30	29	1.05	1.10	LOW	LOW	0	0	29	29	1.10	1.11	LOW	LOW	0	0
VB	SALEM RD	INDEPENDENCE BLVD	LYNNHAVEN PKWY		27	27	1.04	1.13	LOW	LOW	0	0	26	27	1.08	1.10	LOW	LOW	0	0
VB	SALEM RD	LYNNHAVEN PKWY	PRINCESS ANNE RD		24	26	1.14	1.19	LOW	LOW	0	0	23	28	1.18	1.12	LOW	LOW	0	0
VB	SANDBRIDGE RD	PRINCESS ANNE RD	ATWOODTOWN RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	SANDBRIDGE RD	ATWOODTOWN RD	SANDPIPER DR		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	SEABOARD RD	PRINCESS ANNE RD (AT PUNGO FIELD)	PRINCESS ANNE RD (AT P.A. ELEMENTARY)		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	SEABOARD RD	PRINCESS ANNE RD (AT P.A. ELEMENTA	NIMMO PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	SHORE DRIVE	NORFOLK CL	DIAMOND SPRINGS RD		33	37	1.15	1.12	LOW	LOW	0	0	22	38	1.70	1.07	SEV	LOW	5	0
VB	SHORE DRIVE	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		28	33	1.38	1.21	MOD	LOW	0	0	32	34	1.20	1.21	LOW	LOW	0	0
VB	SHORE DRIVE	INDEPENDENCE BLVD	PLEASURE HOUSE RD		27	28	1.19	1.16	LOW	LOW	0	0	26	29	1.23	1.13	LOW	LOW	0	0
VB	SHORE DRIVE	PLEASURE HOUSE RD	NORTHAMPTON BLVD		26	24	1.20	1.26	LOW	MOD	0	0	24	20	1.32	1.53	MOD	SEV	0	7
VB	SHORE DRIVE	NORTHAMPTON BLVD	GREAT NECK RD		31	31	1.12	1.12	LOW	LOW	0	0	29	31	1.19	1.14	LOW	LOW	0	0
VB	SHORE DRIVE	GREAT NECK RD	ATLANTIC AVE		46	46	1.02	1.03	LOW	LOW	0	0	46	45	1.01	1.05	LOW	LOW	0	0
VB	UPTON DR	NIMMO PKWY	PRINCESS ANNE RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	VA BEACH BLVD	NEWTOWN RD/NORFOLK CL	WITCHDUCK RD		27	29	1.17	1.11	LOW	LOW	0	0	25	21	1.26	1.55	MOD	SEV	0	4
VB	VA BEACH BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		21	25	1.17	1.17	LOW	LOW	0	0	20	26	1.22	1.13	LOW	LOW	0	0
VB	VA BEACH BLVD	INDEPENDENCE BLVD	CONSTITUTION DR		25	26	1.20	1.14	LOW	LOW	0	0	25	24	1.21	1.26	LOW	MOD	0	0
VB	VA BEACH BLVD	CONSTITUTION DR	ROSEMONT RD		25	26	1.20	1.14	LOW	LOW	0	0	25	24	1.21	1.26	LOW	MOD	0	0
VB	VA BEACH BLVD	ROSEMONT RD	S. PLAZA TRAIL/LITTLE NECK RD		26	27	1.20	1.13	LOW	LOW	0	0	26	21	1.21	1.47	LOW	SEV	0	2
VB	VA BEACH BLVD	S. PLAZA TRAIL/LITTLE NECK RD	LYNNHAVEN PKWY		26	27	1.20	1.13	LOW	LOW	0	0	26	21	1.21	1.47	LOW	SEV	0	2
VB	VA BEACH BLVD	LYNNHAVEN PKWY	GREAT NECK RD		25	21	1.28	1.35	MOD	MOD	0	0	24	20	1.35	1.39	MOD	MOD	0	0
VB	VA BEACH BLVD	GREAT NECK RD	LASKIN RD		25	21	1.28	1.35	MOD	MOD	0	0	24	20	1.35	1.39	MOD	MOD	0	0
VB	VA BEACH BLVD	LASKIN RD	FIRST COLONIAL RD		24	38	1.37	1.06	MOD	LOW	0	0	23	38	1.38	1.06	MOD	LOW	0	0
VB	VA BEACH BLVD	FIRST COLONIAL RD	N OCEANA BLVD		31	28	1.06	1.15	LOW	LOW	0	0	30	28	1.10	1.19	LOW	LOW	0	0
VB	VA BEACH BLVD	N OCEANA BLVD	BIRDNECK RD		31	28	1.06	1.15	LOW	LOW	0	0	30	28	1.10	1.19	LOW	LOW	0	0
VB	VA BEACH BLVD	BIRDNECK RD	PACIFIC AVE		21	20	1.13	1.14	LOW	LOW	0	0	21	21	1.10	1.08	LOW	LOW	0	0
VB	VA BEACH BLVD	PACIFIC AVE	ATLANTIC AVE		10	14	1.10	1.14	LOW	LOW	0	0	9	11	1.27	1.43	MOD	SEV	0	2
VB	WESLEYAN DR	NORFOLK CL	BAKER RD		25	24	1.21	1.22	LOW	LOW	0	0	25	21	1.25	1.36	MOD	MOD	0	0
VB	WESLEYAN DR	BAKER RD	DIAMOND SPRINGS RD		25	24	1.21	1.22	LOW	LOW	0	0	25	21	1.25	1.36	MOD	MOD	0	0
VB	WESLEYAN DR	DIAMOND SPRINGS RD	HAYGOOD DR		29	29	1.13	1.09	LOW	LOW	0	0	34	29	0.98	1.10	LOW	LOW	0	0
VB	WEST NECK RD	NIMMO PKWY	NORTH LANDING RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	WEST NECK RD	NORTH LANDING RD	INDIAN RIVER RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
VB	WITCHDUCK RD	PRINCESS ANNE RD	I-264		15	24	1.85	1.12	SEV	LOW	6	0	15	23	1.81	1.17	SEV	LOW	7	0
VB	WITCHDUCK RD	I-264	VA BEACH BLVD		15	17	1.30	1.27	MOD	MOD	0	0	13	11	1.47	1.85	SEV	SEV	8	7
VB	WITCHDUCK RD	VA BEACH BLVD	PEMBROKE BLVD		29	26	1.04	1.07	LOW	LOW	0	0	31	22	0.99	1.25	LOW	LOW	0	0
WMB	BOUNDARY ST	JAMESTOWN RD	FRANCIS ST		11	13	1.14	1.19	LOW	LOW	0	0	9	12	1.39	1.24	MOD	LOW	0	0
WMB	BYPASS RD	RICHMOND RD	YORK CL		26	24	1.08	1.17	LOW	LOW	0	0	23	21	1.23	1.38	LOW	MOD	0	0
WMB	BYPASS RD	ROUTE 132/YORK CL	PAGE ST		27	30	1.13	1.15	LOW	LOW	0	0	27	30	1.13	1.16	LOW	LOW	0	0
WMB	CAPITOL LANDING RD	BYPASS RD	MERRIMAC TRAIL		29	28	1.13	1.18	LOW	LOW	0	0	31	32	1.05	1.04	LOW	LOW	0	0
WMB	COLONIAL NATL HIST PKWY	JAMES CITY CL/RTE 199	YORK CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
WMB	FRANCIS ST	BOUNDARY ST	HENRY ST		18	19	1.12	1.04	LOW	LOW	0	0	17	17	1.15	1.13	LOW	LOW	0	0
WMB	HENRY ST S.	ROUTE 199	FRANCIS ST		30	26	1.01	1.07	LOW	LOW	0	0	29	27	1.05	1.03	LOW	LOW	0	0
WMB	HENRY ST	FRANCIS ST	LAFAYETTE ST		15	15	1.05	1.06	LOW	LOW	0	0	13	13	1.23	1.23	LOW	LOW	0	0
WMB	HENRY ST N.	LAFAYETTE ST	RTE 132Y		25	24	1.08	1.13	LOW	LOW	0	0	27	23	1.03	1.14	LOW	LOW	0	0
WMB	IRONBOUND RD	JAMES CITY CL	DEPUE DR		30	26	1.04	1.02	LOW	LOW	0	0	31	26	1.02	1.04	LOW	LOW	0	0
WMB	IRONBOUND RD	DEPUE DR	LONGHILL RD		21	22	1.13	1.21	LOW	LOW	0	0	18	23	1.32	1.16	MOD	LOW	0	0
WMB	IRONBOUND RD	LONGHILL RD	RICHMOND RD		9	13	1.46	1.37	SEV	MOD	1	0	8	13	1.69	1.35	SEV	MOD	8	0
WMB	JAMESTOWN RD	JAMES CITY CL	RTE 199		33	36	1.08	1.03	LOW	LOW	0	0	33	36	1.09	1.03	LOW	LOW	0	0
WMB	JAMESTOWN RD	RTE 199	JOHN TYLER LN		23	16	1.25	1.32	LOW	MOD	0	0	24	15	1.21	1.44	LOW	SEV	0	6
WMB	JAMESTOWN RD	JOHN TYLER LN	COLLEGE CREEK		27	27	1.01	1.00	LOW	LOW	0	0	26	26	1.06	1.06	LOW	LOW	0	0
WMB	JAMESTOWN RD	COLLEGE CREEK	BOUNDARY ST		27	27	1.01	1.00	LOW	LOW	0	0	26	26	1.06	1.06	LOW	LOW	0	0
WMB	LAFAYETTE ST	RICHMOND RD	HENRY ST		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
WMB	LAFAYETTE ST	HENRY ST	CAPITOL LANDING RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
WMB	LAFAYETTE ST	CAPITOL LANDING RD	PAGE ST		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
WMB	MERRIMAC TRAIL	YORK CL (SOUTH)	CAPITOL LANDING RD		27	19	1.22	1.18	LOW	LOW	0	0	29	13	1.13	1.77	LOW	SEV	0	7
WMB	MERRIMAC TRAIL	CAPITOL LANDING RD	YORK CL (NORTH)		37	23	1.06	1.10	LOW	LOW	0	0	37	21	1.04	1.19	LOW	LOW	0	0
WMB	MONTICELLO AVE	IRONBOUND RD	RICHMOND RD		30	29	1.04	1.06	LOW	LOW	0	0	24	23	1.29	1.33	MOD	MOD	0	0
WMB	PAGE ST	BYPASS RD	SECOND ST		30	27	1.15	1.13	LOW	LOW	0	0	30	27	1.16	1.13	LOW	LOW	0	0
WMB	PAGE ST	SECOND ST	YORK ST		30	30	1.11	1.09	LOW	LOW	0	0	30	32	1.09	1.03	LOW	LOW	0	0
WMB	QUARTERPATH RD	ROUTE 199	YORK ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
WMB	RICHMOND RD	JAMES CITY CL	IRONBOUND RD		32	28	1.05	1.08	LOW	LOW	0	0	29	26	1.12	1.17	LOW	LOW	0	0
WMB	RICHMOND RD	IRONBOUND RD	BYPASS RD		24	26	1.17	1.08	LOW	LOW	0	0	21	23	1.38	1.23	MOD	LOW	0	0
WMB	RICHMOND RD	BYPASS RD	MONTICELLO AVE		19	19	1.06	1.06	LOW	LOW	0	0	17	18	1.15	1.15	LOW	LOW	0	0
WMB	RICHMOND RD	MONTICELLO AVE	BROOKS ST		20	22	1.07	1.03	LOW	LOW	0	0	19	20	1.13	1.15	LOW	LOW	0	0
WMB	RICHMOND RD	BROOKS ST	BOUNDARY ST		20	22	1.07	1.03	LOW	LOW	0	0	19	20	1.13	1.15	LOW	LOW	0	0
WMB	ROUTE 132	ROUTE 132Y	BYPASS RD/YORK CL		21	30	1.25	1.08	MOD	LOW	0	0	21	32	1.27	1.04	MOD	LOW	0	0
WMB	ROUTE 132Y	ROUTE 132	COLONIAL PKWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
WMB	ROUTE 199	JAMES CITY CL (WEST)	JAMESTOWN RD		25	27	1.43	1.28	SEV	MOD	1	0	15	23	2.39	1.48	SEV	SEV	13	5
WMB	ROUTE 199	JAMESTOWN RD	JAMES CITY CL (EAST)		41	38	1.16	1.24	LOW	LOW	0	0	41	33	1.17	1.41	LOW	SEV	0	2
WMB	SECOND ST	PAGE ST	YORK CL		27	25	1.17	1.16	LOW	LOW	0	0	26	26	1.17	1.09	LOW	LOW	0	0
WMB	TREYBURN DR	MONTICELLO AVE	IRONBOUND RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
WMB	YORK ST	PAGE ST	JAMES CITY CL		30	30	1.09	1.11	LOW	LOW	0	0	32	30	1.03	1.09	LOW	LOW	0	0
YC	BALLARD ST	COLONIAL PKWY	COOK RD		-	-	-	-	LOW		-	-	-	-	-	-	MOD		-	-
YC	BALLARD ST	COOK RD	COAST GUARD TRAINING CENTER		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	BIG BETHEL RD	HAMPTON CL	HAMPTON HWY (RTE 134)		30	32	1.11	1.06	LOW	LOW	0	0	27	32	1.21	1.07	LOW	LOW	0	0
YC	BIG BETHEL RD	HAMPTON HWY (RTE 134)	VICTORY BLVD (RTE 171)		27	30	1.20	1.17	LOW	LOW	0	0	28	30	1.17	1.16	LOW	LOW	0	0
YC	BYPASS RD	WILLIAMSBURG CL	WALLER MILL RD		26	24	1.08	1.17	LOW	LOW	0	0	23	21	1.23	1.38	LOW	MOD	0	0
YC	BYPASS RD	WALLER MILL RD	ROUTE 132/WILLIAMSBURG CL		26	24	1.08	1.17	LOW	LOW	0	0	23	21	1.23	1.38	LOW	MOD	0	0
YC	COLONIAL NATL HIST PKWY	WILLIAMSBURG CL	BALLARD ST		45	42	1.05	1.09	LOW	LOW	0	0	44	44	1.05	1.04	LOW	LOW	0	0
YC	COOK RD	GEORGE WASHINGTON HWY	GOOSLEY RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	COOK RD	GOOSLEY RD	BALLARD ST		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	DENBIGH BLVD	NEWPORT NEWS CL	ROUTE 17		38	41	1.07	1.00	LOW	LOW	0	0	36	38	1.14	1.07	LOW	LOW	0	0
YC	EAST YORKTOWN RD	VICTORY BLVD	POQUOSON CL		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	FORT EUSTIS BLVD	NEWPORT NEWS CL	ROUTE 17		44	47	1.05	1.05	LOW	LOW	0	0	40	48	1.14	1.01	LOW	LOW	0	0
YC	FORT EUSTIS BLVD EXT	ROUTE 17	OLD YORK - HAMPTON HWY		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	GEORGE WASHINGTON HWY	NEWPORT NEWS CL	VICTORY BLVD (RTE 171)		32	28	1.16	1.33	LOW	MOD	0	0	20	30	1.88	1.25	SEV	LOW	10	0
YC	GEORGE WASHINGTON HWY	VICTORY BLVD (RTE 171)	HAMPTON HWY (RTE 134)		40	29	1.01	1.17	LOW	LOW	0	0	35	23	1.18	1.50	LOW	SEV	0	5
YC	GEORGE WASHINGTON HWY	HAMPTON HWY (RTE 134)	DARE RD		34	39	1.18	1.07	LOW	LOW	0	0	33	39	1.22	1.06	LOW	LOW	0	0
YC	GEORGE WASHINGTON HWY	DARE RD	DENBIGH BLVD (RTE 173)		34	39	1.18	1.07	LOW	LOW	0	0	33	39	1.22	1.06	LOW	LOW	0	0
YC	GEORGE WASHINGTON HWY	DENBIGH BLVD (RTE 173)	FORT EUSTIS BLVD (RTE 105)		41	36	1.11	1.24	LOW	LOW	0	0	34	33	1.35	1.32	MOD	MOD	0	0
YC	GEORGE WASHINGTON HWY	FORT EUSTIS BLVD (RTE 105)	COOK RD		41	36	1.11	1.24	LOW	LOW	0	0	34	33	1.35	1.32	MOD	MOD	0	0
YC	GEORGE WASHINGTON HWY	COOK RD	GOOSLEY RD (RTE 238)		41	36	1.11	1.24	LOW	LOW	0	0	34	33	1.35	1.32	MOD	MOD	0	0
YC	GEORGE WASHINGTON HWY	GOOSLEY RD (RTE 238)	GLOUCESTER CL (COLEMAN BRIDGE)		46	40	1.03	1.24	LOW	LOW	0	0	45	40	1.07	1.23	LOW	LOW	0	0
YC	GOODWIN NECK RD	ROUTE 17	WOLF TRAP RD		32	28	1.18	1.27	LOW	MOD	0	0	32	25	1.20	1.37	LOW	MOD	0	0
YC	GOOSLEY RD	OLD WILLIAMSBURG RD	CRAWFORD RD		30	34	1.15	1.06	LOW	LOW	0	0	25	29	1.39	1.24	MOD	LOW	0	0
YC	GOOSLEY RD	CRAWFORD RD	ROUTE 17		30	34	1.15	1.06	LOW	LOW	0	0	25	29	1.39	1.24	MOD	LOW	0	0

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 SPEED AND CONGESTION DATA															
					AM PEAK PERIOD								PM PEAK PERIOD							
					SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION		SPEED (mph)		TRAVEL TIME INDEX		CONGESTION LEVEL		CONGESTION DURATION	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
YC	GOOSLEY RD	ROUTE 17	COOK RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	HAMPTON HWY	ROUTE 17	VICTORY BLVD (RTE 171)		36	31	1.14	1.30	LOW	MOD	0	0	30	26	1.35	1.53	MOD	SEV	0	8
YC	HAMPTON HWY	VICTORY BLVD (RTE 171)	BIG BETHEL RD (RTE 600)		36	36	1.18	1.18	LOW	LOW	0	0	28	37	1.51	1.13	SEV	LOW	4	0
YC	HAMPTON HWY	BIG BETHEL RD (RTE 600)	NCL HAMPTON		40	38	1.10	1.19	LOW	LOW	0	0	35	41	1.27	1.10	MOD	LOW	0	0
YC	I-64	JAMES CITY CL	RTE 199/646	EB	68	-	0.97	-	LOW	-	0	-	68	-	0.97	-	LOW	-	0	-
				WB	-	66	-	1.00	-	LOW	-	0	-	68	-	0.97	-	LOW	-	0
YC	I-64	RTE 199/646	RTE 143	EB	65	-	1.01	-	LOW	-	0	-	65	-	1.02	-	LOW	-	0	-
				WB	-	66	-	1.00	-	LOW	-	0	-	64	-	1.03	-	LOW	-	0
YC	I-64	RTE 143	RTE 199 (EAST OF WILLIAMSBURG)	EB	54	-	1.13	-	LOW	-	0	-	49	-	1.24	-	MOD	-	0	-
				WB	-	63	-	0.99	-	LOW	-	0	-	55	-	1.15	-	LOW	-	0
YC	I-64	RTE 199 (EAST OF WILLIAMSBURG)	GROVE CONNECTOR	EB	56	-	1.03	-	LOW	-	0	-	49	-	1.18	-	MOD	-	0	-
				WB	-	56	-	1.00	-	LOW	-	0	-	50	-	1.11	-	LOW	-	0
YC	I-64	GROVE CONNECTOR	JAMES CITY CL	EB	48	-	1.20	-	MOD	-	0	-	45	-	1.29	-	MOD	-	0	-
				WB	-	55	-	1.05	-	LOW	-	0	-	50	-	1.16	-	MOD	-	0
YC	LIGHTFOOT RD	ROUTE 60	MOORETOWN RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	MERRIMAC TRAIL	JAMES CITY CL	BUSCH GARDENS INTERCHANGE		48	47	1.05	1.08	LOW	LOW	0	0	50	46	1.01	1.10	LOW	LOW	0	0
YC	MERRIMAC TRAIL	BUSCH GARDENS INTERCHANGE	ROUTE 199/JAMES CITY CL		44	49	1.07	1.04	LOW	LOW	0	0	41	47	1.16	1.09	LOW	LOW	0	0
YC	MERRIMAC TRAIL	PENNIMAN RD/JAMES CITY CL	SECOND ST		26	26	1.14	1.21	LOW	LOW	0	0	24	24	1.25	1.33	LOW	MOD	0	0
YC	MERRIMAC TRAIL	SECOND ST	WILLIAMSBURG CL		27	19	1.22	1.18	LOW	LOW	0	0	29	13	1.13	1.77	LOW	SEV	0	7
YC	MERRIMAC TRAIL	WILLIAMSBURG CL	ROUTE 132		37	23	1.06	1.10	LOW	LOW	0	0	37	21	1.04	1.19	LOW	LOW	0	0
YC	MOORETOWN RD	WALLER MILL RD	AIRPORT RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	MOORETOWN RD	AIRPORT RD	OLD MOORETOWN RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	MOORETOWN RD	OLD MOORETOWN RD	ROUTE 199		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	MOORETOWN RD	ROUTE 199	LIGHTFOOT RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-
YC	NEWMAN RD	I-64	FENTON MILL RD		-	-	-	-	MOD		-	-	-	-	-	-	MOD		-	-
YC	OLD WILLIAMSBURG RD	NEWPORT NEWS CL	BAPTIST RD/MAIN RD		40	39	1.05	1.05	LOW	LOW	0	0	41	37	1.02	1.09	LOW	LOW	0	0
YC	OLD WILLIAMSBURG RD	BAPTIST RD/MAIN RD	GOOSLEY RD		40	39	1.05	1.05	LOW	LOW	0	0	41	37	1.02	1.09	LOW	LOW	0	0
YC	PENNIMAN RD (RTE 641)	ROUTE 199	COLONIAL PKWY		42	44	1.03	1.00	LOW	LOW	0	0	37	43	1.15	1.03	LOW	LOW	0	0
YC	POCAHONTAS TRAIL	JCC LINE @ RTE 199	KINGSMILL RD		33	34	1.06	1.11	LOW	LOW	0	0	28	31	1.26	1.23	MOD	LOW	0	0
YC	POCAHONTAS TRAIL	KINGSMILL RD	BUSCH GARDENS INTERCHANGE		33	34	1.06	1.11	LOW	LOW	0	0	28	31	1.26	1.23	MOD	LOW	0	0
YC	POCAHONTAS TRAIL	BUSCH GARDENS INTERCHANGE	JAMES CITY CL		36	35	1.09	1.10	LOW	LOW	0	0	34	35	1.14	1.09	LOW	LOW	0	0
YC	ROUTE 132	BYPASS RD/WILLIAMSBURG CL	ROUTE 143		40	39	1.07	1.06	LOW	LOW	0	0	38	39	1.14	1.06	LOW	LOW	0	0
YC	ROUTE 143	ROUTE 132	I-64		24	25	1.04	1.16	LOW	LOW	0	0	21	23	1.17	1.32	LOW	MOD	0	0
YC	ROUTE 199	JCC LINE (WESTSIDE)	MOORETOWN RD	EB	55	-	1.04	-	LOW	-	0	-	58	-	0.99	-	LOW	-	0	-
				WB	-	56	-	1.03	-	LOW	-	0	-	58	-	0.99	-	LOW	-	0
YC	ROUTE 199	MOORETOWN RD	I-64	EB	46	-	1.10	-	LOW	-	0	-	53	-	0.97	-	LOW	-	0	-
				WB	-	50	-	1.03	-	LOW	-	0	-	53	-	0.97	-	LOW	-	0
YC	ROUTE 199	RTE 60/RTE 143/JCC LINE	I-64		48	45	1.05	1.06	LOW	LOW	0	0	50	48	1.01	0.98	LOW	LOW	0	0
YC	ROUTE 199	I-64	MARQUIS PKWY		41	40	1.05	1.06	LOW	LOW	0	0	38	39	1.14	1.06	LOW	LOW	0	0
YC	ROUTE 199	MARQUIS PKWY	RTE 641 (PENNIMAN RD)		41	40	1.05	1.06	LOW	LOW	0	0	38	39	1.14	1.06	LOW	LOW	0	0
YC	SECOND ST	WILLIAMSBURG CL	MERRIMAC TRAIL		27	25	1.17	1.16	LOW	LOW	0	0	26	26	1.17	1.09	LOW	LOW	0	0
YC	VICTORY BLVD	NEWPORT NEWS CL	ROUTE 17		26	36	1.21	1.03	LOW	LOW	0	0	17	31	1.84	1.18	SEV	LOW	8	0
YC	VICTORY BLVD	ROUTE 17	HAMPTON HWY (RTE 134)		29	22	1.11	1.26	LOW	MOD	0	0	25	17	1.27	1.65	MOD	SEV	0	6
YC	VICTORY BLVD	HAMPTON HWY (RTE 134)	BIG BETHEL RD (RTE 600)		39	34	1.06	1.15	LOW	LOW	0	0	22	33	1.84	1.16	SEV	LOW	6	0
YC	VICTORY BLVD	BIG BETHEL RD (RTE 600)	CARYS CHAPEL RD (RTE 782)		36	30	1.07	1.32	LOW	MOD	0	0	31	34	1.26	1.17	MOD	LOW	0	0
YC	VICTORY BLVD	CARYS CHAPEL RD (RTE 782)	POQUOSON CL		36	30	1.07	1.32	LOW	MOD	0	0	31	34	1.26	1.17	MOD	LOW	0	0
YC	WALLER MILL RD	ROUTE 60	MOORETOWN RD		-	-	-	-	LOW		-	-	-	-	-	-	LOW		-	-

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Appendix B – Speed and Congestion Data

Speed represents the slowest 15-minute average speed that occurs during each weekday peak period. (AM: 5-9 am and PM: 3-7 pm).
TTI represents the ratio of the travel time in the slowest 15-minute period during each peak period to the travel time in free-flow conditions.
Congestion Duration represents the total number of 15-minute periods during each peak period (out of 16) that experience severe congestion.

APPENDIX C

DELAY, RELIABILITY AND TRUCK DATA

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	22ND ST	LIBERTY ST	BERKLEY AVE/NORFOLK CL		3.9	2.3	1.4	0.7	1.20	1.19	0.0	0.0	88	0.1	0.0	0.0	0.0	1.84	1.92
CHES	AIRLINE BLVD	I-664	JOLLIFF RD		1.4	2.3	1.5	3.0	1.08	1.07	0.0	0.0	279	0.0	0.0	0.0	0.0	1.24	1.19
CHES	AIRLINE BLVD	JOLLIFF RD	PORTSMOUTH CL		0.7	1.6	1.1	1.8	1.08	1.07	0.0	0.0	200	0.0	0.0	0.0	0.0	1.24	1.19
CHES	ATLANTIC AVE	CAMPOSTELLA RD	PROVIDENCE RD		2.1	9.9	8.0	29.1	1.27	1.44	0.0	0.5	672	0.1	0.5	0.2	1.0	1.87	2.19
CHES	ATLANTIC AVE	PROVIDENCE RD	OLD ATLANTIC AVE		0.8	1.8	2.1	4.2	1.08	1.11	0.0	0.0	709	0.0	0.1	0.0	0.1	1.29	1.27
CHES	ATLANTIC AVE	OLD ATLANTIC AVE	CAMPOSTELLA RD		0.5	1.0	1.0	2.7	1.08	1.11	0.0	0.0	415	0.0	0.1	0.0	0.1	1.29	1.27
CHES	BAINBRIDGE BLVD	DOMINION BLVD	GREAT BRIDGE BLVD		-	-	-	-	-	-	-	-	222	-	-	-	-	-	-
CHES	BAINBRIDGE BLVD	GREAT BRIDGE BLVD	MILITARY HWY		2.7	1.1	2.8	0.2	1.12	1.08	0.0	0.0	880	0.4	0.1	0.1	0.0	1.65	1.52
CHES	BAINBRIDGE BLVD	MILITARY HWY	FREEMAN AVE		11.7	3.8	4.9	3.0	1.38	1.11	0.0	0.0	498	0.6	0.2	0.1	0.1	2.25	1.79
CHES	BAINBRIDGE BLVD	FREEMAN AVE	SWAIN AVE		1.5	3.2	3.1	1.5	1.13	1.11	0.0	0.0	459	0.1	0.1	0.1	0.0	1.43	1.36
CHES	BAINBRIDGE BLVD	SWAIN AVE	CHESAPEAKE DR		1.5	3.2	3.1	1.5	1.13	1.11	0.0	0.0	459	0.1	0.1	0.1	0.0	1.43	1.36
CHES	BAINBRIDGE BLVD	CHESAPEAKE DR	POINDEXTER ST		1.6	2.2	2.3	1.4	1.13	1.11	0.0	0.0	398	0.1	0.2	0.1	0.0	1.43	1.36
CHES	BAINBRIDGE BLVD	POINDEXTER ST	NORFOLK CL		-	-	-	-	-	-	-	-	167	-	-	-	-	-	-
CHES	BALLAHACK RD	GEORGE WASHINGTON HWY	OLD BATTLEFIELD BLVD		-	-	-	-	-	-	-	-	19	-	-	-	-	-	-
CHES	BATTLEFIELD BLVD	NORTH CAROLINA STATE LINE	BALLAHACK RD		3.7	1.4	2.4	4.8	1.12	1.15	0.0	0.0	828	0.1	0.1	0.1	0.1	1.36	1.39
CHES	BATTLEFIELD BLVD	BALLAHACK RD	GALLBUSH RD		8.3	3.1	6.5	4.9	1.25	1.15	0.0	0.0	828	0.2	0.2	0.2	0.1	1.82	1.46
CHES	BATTLEFIELD BLVD	GALLBUSH RD	INDIAN CREEK RD		0.4	0.3	0.8	0.3	1.06	1.04	0.0	0.0	495	0.0	0.0	0.0	0.0	1.22	1.16
CHES	BATTLEFIELD BLVD	INDIAN CREEK RD	CENTERVILLE TNPK		2.2	1.2	2.4	3.9	1.11	1.07	0.0	0.1	615	0.1	0.1	0.1	0.1	1.36	1.19
CHES	BATTLEFIELD BLVD	CENTERVILLE TNPK	HILLCREST PKWY		10.8	4.1	9.0	35.4	1.18	1.38	0.0	0.1	718	0.3	0.2	0.2	0.5	1.60	2.01
CHES	BATTLEFIELD BLVD	HILLCREST PKWY	PEACEFUL RD/HILLWELL RD		0.6	1.1	2.5	3.0	1.11	1.10	0.0	0.0	143	0.0	0.0	0.0	0.0	1.31	1.32
CHES	BATTLEFIELD BLVD	PEACEFUL RD/HILLWELL RD	HANBURY RD		0.6	1.1	2.5	3.0	1.11	1.10	0.0	0.0	143	0.0	0.0	0.0	0.0	1.31	1.32
CHES	BATTLEFIELD BLVD	HANBURY RD	JOHNSTOWN RD		4.0	1.2	7.3	5.4	1.14	1.12	0.1	0.0	164	0.1	0.0	0.0	0.0	1.36	1.32
CHES	BATTLEFIELD BLVD	JOHNSTOWN RD	CEDAR RD		22.4	10.9	136.4	77.7	1.56	1.45	2.0	0.4	376	0.3	0.3	1.0	0.7	2.29	2.15
CHES	BATTLEFIELD BLVD	CEDAR RD	GREAT BRIDGE BLVD/KEMPSVILLE RD		18.9	4.2	34.0	199.1	1.23	1.52	0.0	1.0	507	0.3	0.1	0.3	1.1	1.60	2.17
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BLVD/KEMPSVILLE RD	GREAT BRIDGE BYPASS		10.2	44.6	30.0	139.3	1.25	1.82	0.0	4.0	474	0.1	1.2	0.2	1.4	1.78	4.38
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BYPASS	VOLVO PKWY		13.6	9.8	36.7	90.7	1.22	1.25	0.2	0.0	674	0.2	0.3	0.5	0.8	1.55	1.70
CHES	BATTLEFIELD BLVD	VOLVO PKWY	I-64		2.4	137.2	72.8	398.7	1.24	1.62	0.0	2.0	889	0.0	1.7	0.5	3.4	1.69	2.66
CHES	BATTLEFIELD BLVD	I-64	MILITARY HWY		11.2	14.4	62.9	64.8	1.35	1.44	0.0	0.0	1,514	0.7	0.7	1.6	2.5	2.06	2.35
CHES	BATTLEFIELD BLVD	MILITARY HWY	CAMPOSTELLA RD		4.0	4.1	48.7	12.3	1.37	1.24	0.0	0.0	960	0.3	0.2	1.3	0.5	1.99	1.67
CHES	BENEFIT RD	JOHNSTOWN RD	SIGN PINE RD		-	-	-	-	-	-	-	-	69	-	-	-	-	-	-
CHES	BLACKWATER RD	VIRGINIA BEACH CL	FENTRESS AIRFIELD RD		-	-	-	-	-	-	-	-	155	-	-	-	-	-	-
CHES	BRIDGE RD	SUFFOLK CL	CHURCHLAND BLVD		5.5	3.1	30.6	10.1	1.27	1.21	0.0	0.0	280	0.1	0.1	0.2	0.1	1.82	1.59
CHES	BRUCE RD	TAYLOR RD	TYRE NECK RD		-	-	-	-	-	-	-	-	87	-	-	-	-	-	-
CHES	BUTTS STATION RD	KEMPSVILLE RD	ELBOW RD		1.3	5.2	1.7	5.3	1.08	1.16	0.0	0.0	313	0.1	0.0	0.0	0.1	1.28	1.40
CHES	BUTTS STATION RD	ELBOW RD	CENTERVILLE TNPK		2.1	16.9	35.6	6.7	1.28	1.22	0.0	0.0	313	0.1	0.1	0.4	0.2	2.32	1.70
CHES	CAMPOSTELLA RD	GREAT BRIDGE BLVD	MILITARY HWY		1.2	0.8	2.2	8.1	1.16	1.30	0.1	0.0	87	0.0	0.0	0.1	0.0	1.45	1.63
CHES	CAMPOSTELLA RD	MILITARY HWY	BATTLEFIELD BLVD		1.5	5.2	7.4	26.3	1.21	1.34	0.0	0.0	636	0.1	0.2	0.2	0.9	1.55	1.91
CHES	CAMPOSTELLA RD	BATTLEFIELD BLVD	PROVIDENCE RD		-	-	-	-	-	-	-	-	443	-	-	-	-	-	-
CHES	CAMPOSTELLA RD	PROVIDENCE RD	ATLANTIC AVE		-	-	-	-	-	-	-	-	484	-	-	-	-	-	-
CHES	CAMPOSTELLA RD	ATLANTIC AVE	NORFOLK CL/BERKELY AVE EXT		10.7	2.5	8.7	4.7	1.23	1.17	0.0	0.0	669	0.4	0.2	0.3	0.2	1.50	1.41
CHES	CANAL DR	MILITARY HWY	GEORGE WASHINGTON HWY		15.6	29.4	8.0	61.7	1.23	1.51	0.0	0.2	305	0.1	0.7	0.1	0.4	1.63	2.30
CHES	CAVALIER BLVD	MILITARY HWY	PORTSMOUTH CL		2.0	5.0	3.2	4.1	1.09	1.14	0.0	0.0	1,141	0.1	0.5	0.2	0.1	1.23	1.32
CHES	CEDAR RD	SHIPYARD RD/MOSES GRANDY TR	SCENIC PKWY		-	-	-	-	-	-	-	-	68	-	-	-	-	-	-
CHES	CEDAR RD	SCENIC PKWY	MOSES GRANDY TRAIL		-	-	-	-	-	-	-	-	102	-	-	-	-	-	-
CHES	CEDAR RD	DOMINION BLVD	BELLS MILL RD (WEST)		6.9	7.3	29.3	19.9	1.11	1.10	0.0	0.0	378	0.1	0.1	0.2	0.1	1.30	1.28
CHES	CEDAR RD	BELLS MILL RD (WEST)	BELLS MILL RD (EAST)		8.7	6.8	31.7	25.5	1.11	1.10	0.0	0.0	447	0.2	0.1	0.1	0.2	1.30	1.28
CHES	CEDAR RD	BELLS MILL RD (EAST)	BRIARFIELD DR		9.5	4.2	28.6	17.8	1.11	1.10	0.0	0.0	397	0.1	0.1	0.1	0.2	1.30	1.28
CHES	CEDAR RD	BRIARFIELD DR	BATTLEFIELD BLVD		9.5	4.2	28.6	17.8	1.11	1.10	0.0	0.0	397	0.1	0.1	0.1	0.2	1.30	1.28
CHES	CENTERVILLE TNPK	BATTLEFIELD BLVD	ETHRIDGE MANOR BLVD		0.3	1.5	0.7	1.3	1.04	1.08	0.0	0.1	128	0.0	0.0	0.0	0.0	1.15	1.29
CHES	CENTERVILLE TNPK	ETHRIDGE MANOR BLVD	MT PLEASANT RD		0.4	0.6	0.8	1.5	1.13	1.09	0.1	0.1	197	0.0	0.0	0.0	0.0	1.33	1.27
CHES	CENTERVILLE TNPK	MT PLEASANT RD	BUTTS STATION RD		5.1	1.2	6.9	14.3	1.27	1.25	0.0	0.0	360	0.1	0.1	0.0	0.1	1.70	1.63
CHES	CENTERVILLE TNPK	BUTTS STATION RD	ELBOW RD		12.9	1.4	9.7	33.1	1.33	1.43	0.0	0.0	232	0.4	0.0	0.1	0.3	2.00	2.65
CHES	CENTERVILLE TNPK	ELBOW RD	S.E. PARKWAY CORRIDOR		7.6	1.3	4.5	7.4	1.19	1.12	0.0	0.0	202	0.2	0.1	0.0	0.1	1.51	1.31
CHES	CENTERVILLE TNPK	S.E. PARKWAY CORRIDOR	VA BEACH CL		7.6	1.3	4.5	7.4	1.19	1.12	0.0	0.0	202	0.2	0.1	0.0	0.1	1.51	1.31
CHES	CHESAPEAKE EXPWY	GALLBUSH RD	BATTLEFIELD BLVD (NEAR INDIAN CREE	NB	0.0	-	0.0	-	1.06	-	0.0	-	196	0.0	-	0.0	-	1.15	-
				SB	-	0.4	-	0.0	-	1.07	-	0.0	196	-	0.0	-	0.0	-	1.16

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (NEAR INDIAN CREEI	HILLCREST PKWY	NB	0.0	-	0.0	-	1.05	-	0.0	-	209	0.0	-	0.0	-	1.09	-
				SB	-	0.2	-	0.0	-	1.05	-	0.0	209	-	0.0	-	0.0	-	1.09
CHES	CHESAPEAKE EXPWY	HILLCREST PKWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	NB	0.0	-	0.1	-	1.03	-	0.0	-	591	0.0	-	0.0	-	1.10	-
				SB	-	0.8	-	0.0	-	1.04	-	0.0	522	-	0.0	-	0.0	-	1.09
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	HANBURY RD	NB	1.6	-	0.0	-	1.05	-	0.0	-	616	0.0	-	0.0	-	1.11	-
				SB	-	0.3	-	0.0	-	1.06	-	0.0	547	-	0.0	-	0.0	-	1.06
CHES	CHESAPEAKE EXPWY	HANBURY RD	MT PLEASANT RD	NB	22.2	-	0.0	-	1.04	-	0.0	-	905	0.3	-	0.0	-	1.85	-
				SB	-	0.2	-	0.0	-	1.04	-	0.0	856	-	0.0	-	0.0	-	1.09
CHES	CHESAPEAKE EXPWY	MT PLEASANT RD	BATTLEFIELD BLVD (N OF GREAT BRIDGE	NB	14.3	-	0.0	-	1.04	-	0.0	-	1,282	0.2	-	0.0	-	1.26	-
				SB	-	0.1	-	10.1	-	1.06	-	0.0	1,214	-	0.0	-	0.0	-	1.33
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (N OF GREAT BRIDGE	DOMINION BLVD	NB	66.2	-	0.0	-	1.31	-	0.2	-	1,291	0.9	-	0.0	-	2.07	-
				SB	-	1.6	-	33.7	-	1.06	-	0.0	1,258	-	0.0	-	0.2	-	2.04
CHES	CHESAPEAKE EXPWY	DOMINION BLVD	I-64	NB	174.2	-	2.1	-	1.99	-	1.0	-	1,530	6.8	-	0.1	-	2.31	-
				SB	-	0.2	-	4.9	-	1.08	-	0.0	1,872	-	0.0	-	0.1	-	2.52
CHES	CHURCHLAND BLVD	WESTERN BRANCH BLVD	TOWNE POINT RD		0.2	1.2	1.6	1.6	1.25	1.23	0.0	0.0	56	0.0	0.0	0.0	0.0	1.67	2.52
CHES	CHURCHLAND BLVD	TOWNE POINT RD	PORTSMOUTH CL		8.9	5.8	16.7	36.5	1.43	1.39	0.0	0.0	131	0.1	0.1	0.0	0.1	2.25	2.00
CHES	DOCK LANDING RD	JOLLIFF RD	I-664		0.9	1.8	2.1	4.8	1.17	1.50	0.0	1.0	54	0.0	0.0	0.0	0.0	1.49	4.17
CHES	DOCK LANDING RD	I-664	EAGLE HILL DR		0.6	2.2	1.2	0.7	1.12	1.14	0.0	0.0	43	0.0	0.0	0.0	0.0	1.28	1.44
CHES	DOCK LANDING RD	EAGLE HILL DR	PORTSMOUTH BLVD		0.8	1.2	1.0	1.0	1.12	1.14	0.0	0.0	41	0.0	0.0	0.0	0.0	1.28	1.44
CHES	DOMINION BLVD	GEORGE WASHINGTON HWY	CEDAR RD		4.8	1.4	4.7	13.5	1.12	1.22	0.0	0.0	575	0.2	0.2	0.2	0.3	1.35	1.54
CHES	DOMINION BLVD/VETERANS BRIDGE	CEDAR RD	DOMINION LAKES BLVD	NB	0.0	-	0.0	-	1.25	-	0.0	-	922	0.0	-	0.0	-	3.00	-
				SB	-	0.1	-	0.3	-	1.31	-	0.6	858	-	0.0	-	0.0	-	2.14
CHES	DOMINION BLVD	DOMINION LAKES BLVD	GREAT BRIDGE BLVD	NB	0.0	-	0.0	-	1.25	-	0.0	-	967	0.0	-	0.0	-	3.00	-
				SB	-	0.1	-	0.3	-	1.31	-	0.6	878	-	0.0	-	0.0	-	2.14
CHES	DOMINION BLVD	GREAT BRIDGE BLVD	CHESAPEAKE EXPRESSWAY	NB	0.0	-	0.0	-	1.25	-	0.0	-	1,507	0.0	-	0.0	-	3.00	-
				SB	-	0.1	-	0.3	-	1.31	-	0.6	1,145	-	0.0	-	0.0	-	2.14
CHES	EDINBURGH PKWY/ST BRIDES RD	SIGN PINE RD	HILLCREST PKWY		-	-	-	-	-	-	-	-	68	-	-	-	-	-	-
CHES	ELBOW RD	BUTTS STATION RD	CENTERVILLE TNPK		-	-	-	-	-	-	-	-	17	-	-	-	-	-	-
CHES	ELBOW RD	CENTERVILLE TNPK	VA BEACH CL		0.4	0.6	2.2	2.6	1.07	1.10	0.0	0.0	26	0.0	0.0	0.0	0.0	1.27	1.39
CHES	ETHERIDGE MANOR RD	HILLWELL RD	RIVER GATE RD		0.9	0.5	0.6	2.3	1.06	1.06	0.0	0.0	126	0.0	0.0	0.0	0.0	1.20	1.14
CHES	ETHERIDGE MANOR RD	RIVER GATE RD	CENTERVILLE TPKE		0.9	0.5	0.6	2.3	1.06	1.06	0.0	0.0	126	0.0	0.0	0.0	0.0	1.20	1.14
CHES	FENTRESS AIRFIELD RD	BLACKWATER RD	MOUNT PLEASANT RD		-	-	-	-	-	-	-	-	221	-	-	-	-	-	-
CHES	FREEMAN AVE	I-464	BAINBRIDGE BLVD		19.1	30.9	20.1	21.5	1.87	2.01	3.5	2.9	384	1.5	0.8	0.3	0.7	3.16	3.44
CHES	GEORGE WASHINGTON HWY	NORTH CAROLINA STATE LINE	DOMINION BLVD		0.0	0.1	0.0	0.0	1.03	1.03	0.0	0.0	1,018	0.0	0.0	0.0	0.0	1.09	1.09
CHES	GEORGE WASHINGTON HWY	DOMINION BLVD	GW HWY RELOCATED		2.0	0.0	1.5	0.1	1.16	1.05	0.0	0.0	67	0.0	0.0	0.0	0.0	1.51	1.15
CHES	GEORGE WASHINGTON HWY	GW HWY RELOCATED	MOSES GRANDY TR @ HINTON AVE		2.0	0.0	1.5	0.1	1.16	1.05	0.0	0.0	67	0.0	0.0	0.0	0.0	1.51	1.15
CHES	GW HWY (DEEP CREEK BRIDGE)	MOSES GRANDY TR @ HINTON AVE	MILL CREEK PKWY		20.6	29.6	14.2	178.5	1.19	1.57	0.0	0.7	386	0.2	1.3	0.1	1.8	1.68	2.45
CHES	GEORGE WASHINGTON HWY	MILL CREEK PKWY	WILLOWOOD DR		20.6	29.6	14.2	178.5	1.19	1.57	0.0	0.7	386	0.2	1.3	0.1	1.8	1.68	2.45
CHES	GEORGE WASHINGTON HWY	WILLOWOOD DR	I-64		20.6	29.6	14.2	178.5	1.19	1.57	0.0	0.7	386	0.2	1.3	0.1	1.8	1.68	2.45
CHES	GEORGE WASHINGTON HWY	I-64	MILITARY HWY		12.9	16.0	22.4	20.3	1.33	1.19	0.7	0.0	603	0.4	0.3	0.3	0.4	1.88	1.71
CHES	GEORGE WASHINGTON HWY	MILITARY HWY	CANAL DR		1.8	3.6	6.7	37.1	1.23	1.38	0.0	0.6	337	0.1	0.2	0.1	0.7	1.54	2.10
CHES	GEORGE WASHINGTON HWY	CANAL DR	PORTSMOUTH CL		19.0	11.8	76.0	28.8	1.48	1.25	0.0	0.0	803	0.5	0.4	1.0	0.6	2.18	1.66
CHES	GREAT BRIDGE BLVD	BAINBRIDGE BLVD	CAMPOSTELLA RD		0.7	2.4	1.0	2.6	1.12	1.12	0.0	0.0	317	0.0	0.2	0.0	0.1	1.42	1.37
CHES	GREAT BRIDGE BLVD	CAMPOSTELLA RD	I-64		2.3	3.1	3.3	3.6	1.12	1.12	0.0	0.0	656	0.1	0.3	0.1	0.3	1.42	1.37
CHES	GREAT BRIDGE BLVD	I-64	DOMINION BLVD		2.3	4.0	10.0	7.7	1.23	1.23	0.0	0.0	1,037	0.1	0.5	0.1	0.7	1.66	1.87
CHES	GREAT BRIDGE BLVD	DOMINION BLVD	RIVERWALK PKWY WEST		12.9	3.0	22.1	13.4	1.35	1.16	0.7	0.4	220	0.2	0.1	0.3	0.1	2.18	1.49
CHES	GREAT BRIDGE BLVD	RIVERWALK PKWY WEST	BATTLEFIELD BLVD		12.9	3.0	22.1	13.4	1.35	1.16	0.7	0.4	220	0.2	0.1	0.3	0.1	2.18	1.49
CHES	GREENBRIER PKWY	KEMPSVILLE RD	VOLVO PKWY		5.0	13.5	33.4	24.1	1.20	1.23	0.0	0.0	580	0.3	0.2	0.4	0.3	1.47	1.57
CHES	GREENBRIER PKWY	VOLVO PKWY	EDEN WAY		11.4	4.5	89.8	96.0	1.23	1.26	0.0	0.0	918	0.6	0.1	1.3	1.9	1.49	1.61
CHES	GREENBRIER PKWY	EDEN WAY	I-64		27.3	7.5	140.8	177.5	1.23	1.26	0.0	0.0	1,652	1.1	0.1	2.3	3.5	1.49	1.61
CHES	GREENBRIER PKWY	I-64	WOODLAKE DR		48.3	40.9	203.9	120.1	1.45	1.40	0.4	0.1	1,117	2.5	0.4	3.1	2.4	2.23	2.13
CHES	GREENBRIER PKWY	WOODLAKE DR	MILITARY HWY		34.0	17.4	113.3	77.6	1.45	1.40	0.4	0.1	632	1.4	0.2	1.8	1.4	2.23	2.13
CHES	HANBURY RD	JOHNSTOWN RD	BATTLEFIELD BLVD		4.2	0.6	4.6	0.8	1.17	1.20	0.0	0.0	82	0.0	0.0	0.0	0.0	1.46	1.37
CHES	HANBURY RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		1.0	18.8	7.9	68.9	1.16	1.48	0.0	1.2	137	0.0	0.2	0.1	0.3	1.66	2.46
CHES	HANBURY RD	CHESAPEAKE EXPRESSWAY	HILLWELL RD		2.1	3.6	19.8	7.4	1.25	1.26	0.0	0.0	158	0.1	0.0	0.1	0.1	1.68	1.69
CHES	HILLCREST PKWY	EDINBURGH PKWY	CHESAPEAKE EXPRESSWAY		-	-	-	-	-	-	-	-	146	-	-	-	-	-	-

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	HILLCREST PKWY	CHESAPEAKE EXPRESSWAY	BATTLEFIELD BLVD		-	-	-	-	-	-	-	-	176	-	-	-	-	-	-
CHES	I-64	VA BEACH CL	GREENBRIER PKWY	EB	1.0	-	12.9	-	1.03	-	0.0	-	2,353	0.0	-	0.2	-	1.10	-
				WB	-	22.8	-	5.8	-	1.06	-	0.0	2,254	-	0.6	-	0.1	-	1.28
CHES	I-64	GREENBRIER PKWY	BATTLEFIELD BLVD	EB	3.4	-	194.2	-	1.58	-	0.7	-	2,207	0.2	-	5.3	-	4.62	-
				WB	-	0.9	-	0.3	-	1.03	-	0.0	2,092	-	0.0	-	0.0	-	1.07
CHES	I-64	BATTLEFIELD BLVD	I-464	EB	19.1	-	484.1	-	2.27	-	1.0	-	2,076	0.7	-	10.6	-	3.52	-
				WB	-	0.3	-	0.0	-	1.03	-	0.0	1,639	-	0.0	-	0.0	-	1.07
CHES	I-64	I-464	GEORGE WASHINGTON HWY	EB	13.9	-	89.5	-	1.16	-	0.1	-	4,332	1.4	-	4.6	-	1.83	-
				WB	-	17.5	-	23.5	-	1.11	-	0.0	4,225	-	1.1	-	1.5	-	1.36
CHES	I-64	GEORGE WASHINGTON HWY	MILITARY HWY	EB	4.0	-	22.6	-	1.06	-	0.0	-	4,032	0.4	-	1.1	-	1.77	-
				WB	-	198.2	-	121.5	-	2.60	-	2.0	3,721	-	14.4	-	7.2	-	3.86
CHES	I-64	MILITARY HWY	I-264&664	EB	4.4	-	19.2	-	1.07	-	0.0	-	4,222	0.4	-	0.8	-	1.47	-
				WB	-	91.8	-	116.1	-	2.03	-	1.1	3,829	-	7.9	-	7.0	-	3.55
CHES	I-264	I-64&664	WCL PORTSMOUTH	EB	0.4	-	0.0	-	1.04	-	0.0	-	2,090	0.0	-	0.0	-	1.07	-
				WB	-	0.0	-	3.9	-	1.03	-	0.0	2,161	-	0.0	-	0.2	-	1.07
CHES	I-464	I-64	MILITARY HWY	NB	0.0	-	0.0	-	1.06	-	0.0	-	1,894	0.0	-	0.0	-	1.13	-
				SB	-	0.1	-	7.7	-	1.07	-	0.0	1,939	-	0.0	-	0.2	-	1.27
CHES	I-464	MILITARY HWY	FREEMAN AVE	NB	0.0	-	0.0	-	1.05	-	0.0	-	1,574	0.0	-	0.0	-	1.11	-
				SB	-	0.3	-	3.2	-	1.05	-	0.0	1,567	-	0.0	-	0.1	-	1.13
CHES	I-464	FREEMAN AVE	POINDEXTER ST	NB	8.7	-	0.0	-	1.06	-	0.0	-	1,575	0.4	-	0.0	-	1.37	-
				SB	-	0.1	-	0.0	-	1.05	-	0.0	1,503	-	0.0	-	0.0	-	1.09
CHES	I-464	POINDEXTER ST	NORFOLK CL	NB	92.5	-	5.9	-	1.61	-	1.0	-	1,610	4.5	-	0.2	-	3.61	-
				SB	-	0.3	-	0.0	-	1.04	-	0.0	1,469	-	0.0	-	0.0	-	1.11
CHES	I-664	I-64 & I-264	ROUTES 13/58/460	SB	-	7.0	-	5.2	-	1.06	-	0.0	4,044	-	0.4	-	0.3	-	1.15
				NB	14.8	-	80.4	-	1.29	-	0.0	-	4,471	1.2	-	2.7	-	2.28	-
CHES	I-664	ROUTES 13/58/460	DOCK LANDING RD	SB	-	6.0	-	1.1	-	1.03	-	0.0	3,211	-	0.4	-	0.0	-	1.09
				NB	15.1	-	12.2	-	1.15	-	0.0	-	3,372	1.0	-	0.5	-	1.31	-
CHES	I-664	DOCK LANDING RD	PORTSMOUTH BLVD	SB	-	7.5	-	8.7	-	1.04	-	0.0	3,126	-	0.5	-	0.4	-	1.16
				NB	15.5	-	0.3	-	1.04	-	0.0	-	3,321	1.0	-	0.0	-	1.13	-
CHES	I-664	PORTSMOUTH BLVD	PUGHSVILLE RD	SB	-	9.0	-	28.2	-	1.08	-	0.0	2,948	-	0.5	-	1.1	-	1.37
				NB	16.7	-	2.2	-	1.03	-	0.0	-	3,132	1.0	-	0.1	-	1.08	-
CHES	I-664	PUGHSVILLE RD	SUFFOLK CL	SB	-	3.6	-	68.1	-	1.14	-	0.0	2,930	-	0.2	-	2.4	-	2.21
				NB	23.4	-	7.8	-	1.04	-	0.0	-	3,070	1.3	-	0.3	-	1.12	-
CHES	INDIAN RIVER RD	NORFOLK CL	KEMP LANE		6.1	11.0	11.5	9.8	1.21	1.19	0.0	0.0	366	0.1	0.1	0.1	0.1	1.52	1.45
CHES	INDIAN RIVER RD	KEMP LANE	VA BEACH CL		7.1	4.7	26.3	14.7	1.21	1.14	0.0	0.0	478	0.2	0.1	0.3	0.2	1.55	1.38
CHES	JOHNSTOWN RD	BENEFIT RD	STONEGATE PKWY		-	-	-	-	-	-	-	-	50	-	-	-	-	-	-
CHES	JOHNSTOWN RD	STONEGATE PKWY	HANBURY RD		-	-	-	-	-	-	-	-	50	-	-	-	-	-	-
CHES	JOHNSTOWN RD	HANBURY RD	PARKER RD		1.6	0.1	3.5	1.1	1.19	1.11	0.0	0.0	50	0.0	0.0	0.0	0.0	1.46	1.48
CHES	JOHNSTOWN RD	PARKER RD	BATTLEFIELD BLVD		1.6	0.1	3.5	1.1	1.19	1.11	0.0	0.0	50	0.0	0.0	0.0	0.0	1.46	1.48
CHES	JOLLIFF RD	AIRLINE BLVD	DOCK LANDING RD		-	-	-	-	-	-	-	-	90	-	-	-	-	-	-
CHES	JOLLIFF RD	DOCK LANDING RD	PORTSMOUTH BLVD		1.5	1.6	1.4	1.4	1.37	1.43	0.0	0.1	46	0.0	0.0	0.0	0.0	1.87	2.36
CHES	KEMPSVILLE RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		7.8	30.3	11.1	113.0	1.16	1.39	0.0	0.6	570	0.2	0.6	0.2	0.7	1.38	2.02
CHES	KEMPSVILLE RD	CHESAPEAKE EXPRESSWAY	GREENBRIER PKWY		9.7	24.5	13.4	101.6	1.16	1.39	0.0	0.6	577	0.1	0.5	0.2	0.9	1.38	2.02
CHES	KEMPSVILLE RD	GREENBRIER PKWY	VOLVO PKWY		0.1	0.9	1.3	6.6	1.11	1.13	0.0	0.0	230	0.0	0.0	0.0	0.0	1.34	1.32
CHES	KEMPSVILLE RD	VOLVO PKWY	VA BEACH CL		2.7	4.7	10.8	10.6	1.16	1.17	0.0	0.0	214	0.0	0.1	0.0	0.1	1.36	1.41
CHES	LIBERTY ST	SCL NORFOLK	22ND ST		-	-	-	-	-	-	-	-	315	-	-	-	-	-	-
CHES	LIBERTY ST	22ND ST	POINDEXTER RD		0.8	2.9	5.5	7.1	1.19	1.19	0.0	0.0	145	0.0	0.1	0.1	0.1	1.56	1.71
CHES	LIBERTY ST	POINDEXTER RD	OLD ATLANTIC AVE		0.8	2.9	5.5	7.1	1.19	1.19	0.0	0.0	145	0.0	0.1	0.1	0.1	1.56	1.71
CHES	LIBERTY ST	OLD ATLANTIC AVE	CAMPOSTELLA RD		0.7	1.8	3.6	4.1	1.19	1.19	0.0	0.0	91	0.0	0.1	0.0	0.1	1.56	1.71
CHES	MILITARY HWY	AIRLINE BLVD	I-64		2.2	2.0	1.1	4.1	1.08	1.11	0.0	0.0	1,011	0.1	0.2	0.1	0.2	1.27	1.34
CHES	MILITARY HWY	I-64	CAVALIER BLVD		36.3	14.1	30.1	5.4	1.27	1.35	0.0	0.0	574	1.1	0.4	0.6	0.1	1.76	2.01
CHES	MILITARY HWY	CAVALIER BLVD	GEORGE WASHINGTON HWY		23.2	10.0	25.0	8.1	1.30	1.27	0.7	0.0	574	0.7	0.3	0.4	0.2	1.90	1.67
CHES	MILITARY HWY	GEORGE WASHINGTON HWY	CANAL DR		16.9	3.1	13.1	33.5	1.25	1.32	0.0	0.6	571	0.6	0.1	0.2	0.7	1.74	1.91
CHES	MILITARY HWY/GILMERTON BRIDGE	CANAL DR	BAINBRIDGE BLVD		10.9	3.4	23.9	72.7	1.20	1.50	0.0	0.1	1,105	0.4	0.1	0.5	1.5	1.79	2.28
CHES	MILITARY HWY	BAINBRIDGE BLVD	I-464		49.2	1.8	51.6	70.5	1.37	1.41	0.0	0.5	1,142	1.6	0.1	1.0	1.6	2.27	3.48
CHES	MILITARY HWY	I-464	CAMPOSTELLA RD		22.6	17.8	47.1	99.5	1.40	1.52	0.0	0.5	783	0.8	0.5	0.9	2.1	2.02	2.60

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
CHES	MILITARY HWY	CAMPOSTELLA RD	BATTLEFIELD BLVD		1.4	4.8	6.4	115.1	1.14	1.66	0.0	1.0	760	0.0	0.2	0.1	2.0	1.57	3.24
CHES	MILITARY HWY	BATTLEFIELD BLVD	ALLISON DR		21.0	6.2	38.7	39.3	1.31	1.21	0.4	0.0	581	0.5	0.2	0.7	0.7	1.82	1.63
CHES	MILITARY HWY	ALLISON DR	GREENBRIER PKWY		21.0	6.7	40.2	46.3	1.31	1.21	0.4	0.0	631	0.5	0.2	0.7	0.7	1.82	1.63
CHES	MILITARY HWY	GREENBRIER PKWY	VA BEACH CL		9.7	14.2	44.5	52.2	1.19	1.18	0.0	0.0	643	0.2	0.3	0.5	0.8	1.45	1.43
CHES	MOSES GRANDY TRAIL	GW HWY @ HINTON AVE	SHIPYARD/CEDAR RD/GW HWY RELOC		3.4	9.2	3.7	26.4	1.11	1.42	0.0	0.0	161	0.0	0.2	0.0	0.2	1.25	1.96
CHES	MOSES GRANDY TRAIL	SHIPYARD RD/CEDAR RD	CEDAR RD		3.4	9.2	3.7	26.4	1.11	1.42	0.0	0.0	161	0.0	0.2	0.0	0.2	1.25	1.96
CHES	MOSES GRANDY TRAIL	CEDAR RD	DOMINION BLVD		3.4	9.2	3.7	26.4	1.11	1.42	0.0	0.0	161	0.0	0.2	0.0	0.2	1.25	1.96
CHES	MOUNT PLEASANT RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		2.7	2.6	3.1	34.3	1.10	1.33	0.0	0.2	437	0.1	0.1	0.1	0.4	1.40	1.85
CHES	MOUNT PLEASANT RD	CHESAPEAKE EXPRESSWAY	CENTERVILLE TNPK		6.2	6.6	13.5	5.0	1.15	1.11	0.0	0.0	453	0.2	0.2	0.2	0.1	1.43	1.46
CHES	MOUNT PLEASANT RD	CENTERVILLE TNPK	FENTRESS AIRFIELD RD		0.6	1.1	0.0	1.9	1.04	1.08	0.0	0.0	276	0.0	0.0	0.0	0.0	1.14	1.20
CHES	MOUNT PLEASANT RD	FENTRESS AIRFIELD RD	VA BEACH CL		4.9	0.3	2.8	4.9	1.12	1.08	0.2	0.0	293	0.1	0.0	0.1	0.1	1.45	1.33
CHES	OLD ATLANTIC AVE	ATLANTIC AVE	LIBERTY ST		-	-	-	-	-	-	-	-	74	-	-	-	-	-	-
CHES	OLD BATTLEFIELD BLVD	BALLAHACK RD	BATTLEFIELD BLVD		0.4	0.0	0.5	0.1	1.66	1.29	1.2	0.0	19	0.0	0.0	0.0	0.0	2.30	4.11
CHES	POINDEXTER ST (S NORFOLK JORDAN	PORTSMOUTH CL	I-464		0.0	1.2	0.4	0.1	1.09	1.09	0.0	0.0	536	0.0	0.0	0.0	0.0	1.26	1.24
CHES	POINDEXTER ST	I-464	BAINBRIDGE BLVD		6.1	3.0	7.7	3.5	1.23	1.15	0.1	0.0	384	0.1	0.1	0.3	0.0	1.76	1.41
CHES	POINDEXTER ST	BAINBRIDGE BLVD	LIBERTY ST		3.1	2.4	9.1	11.0	1.20	1.20	0.0	0.0	118	0.1	0.0	0.1	0.1	1.59	1.56
CHES	POPLAR HILL RD	WESTERN BRANCH BLVD	CHURCHLAND BLVD		1.9	2.9	3.8	14.1	1.00	1.41	0.0	0.1	74	0.0	0.0	0.0	0.1	1.00	2.24
CHES	PORTSMOUTH BLVD	SUFFOLK CL	JOLLIFF RD		2.7	6.1	4.9	12.5	1.14	1.18	0.0	0.0	731	0.1	0.4	0.1	0.4	1.36	1.42
CHES	PORTSMOUTH BLVD	JOLLIFF RD	I-664		4.1	6.5	6.6	20.8	1.14	1.18	0.0	0.0	1,110	0.2	0.4	0.2	0.6	1.36	1.42
CHES	PORTSMOUTH BLVD	I-664	TAYLOR RD		2.2	1.4	47.5	21.0	1.21	1.17	0.0	0.0	306	0.1	0.0	0.3	0.1	1.46	1.43
CHES	PORTSMOUTH BLVD	TAYLOR RD	DOCK LANDING RD		2.3	1.8	54.1	25.6	1.21	1.17	0.0	0.0	353	0.1	0.0	0.3	0.2	1.46	1.43
CHES	PORTSMOUTH BLVD	DOCK LANDING RD	PORTSMOUTH CL		1.0	1.7	14.2	26.3	1.17	1.17	0.0	0.0	357	0.0	0.0	0.1	0.2	1.46	1.43
CHES	PROVIDENCE RD	ATLANTIC AVE	CAMPOSTELLA RD		5.8	2.7	8.7	7.4	1.17	1.15	0.0	0.0	69	0.0	0.0	0.0	0.0	1.48	1.41
CHES	PROVIDENCE RD	CAMPOSTELLA RD	VA BEACH CL		5.8	2.7	8.7	7.4	1.17	1.15	0.0	0.0	141	0.0	0.0	0.1	0.0	1.48	1.41
CHES	PUGHSVILLE RD	SUFFOLK CL	I-664		0.0	0.4	3.0	3.1	1.09	1.08	0.0	0.0	831	0.0	0.0	0.1	0.2	1.25	1.23
CHES	PUGHSVILLE RD	I-664	TAYLOR RD		23.7	0.9	114.5	10.8	1.64	1.16	3.0	0.0	319	0.6	0.0	1.0	0.1	3.24	1.47
CHES	ROUTE 13/58/460	SUFFOLK CL	I-664	EB	3.4	-	0.2	-	1.03	-	0.0	-	3,887	0.2	-	0.0	-	1.06	-
				WB	-	0.0	-	1.0	-	1.02	-	0.0	4,081	-	0.0	-	0.0	-	1.06
CHES	SIGN PINE RD	EDINBURGH PKWY	BENEFIT RD		-	-	-	-	-	-	-	-	36	-	-	-	-	-	-
CHES	TAYLOR RD	PORTSMOUTH BLVD	ELIZABETH HARBOR RD		0.4	0.1	15.2	12.5	1.13	1.13	0.0	0.0	148	0.0	0.0	0.0	0.1	1.33	1.34
CHES	TAYLOR RD	ELIZABETH HARBOR RD	BRUCE RD		0.4	0.1	15.2	12.5	1.13	1.13	0.0	0.0	148	0.0	0.0	0.0	0.1	1.33	1.34
CHES	TAYLOR RD	BRUCE RD	PUGHSVILLE RD		2.6	4.8	23.9	30.2	1.29	1.35	0.0	0.0	167	0.0	0.0	0.1	0.1	1.93	2.02
CHES	TAYLOR RD	PUGHSVILLE RD	WESTERN BRANCH BLVD		1.1	2.2	1.8	6.5	1.10	1.13	0.0	0.1	190	0.0	0.0	0.0	0.0	1.34	1.38
CHES	TOWNE POINT RD	PORTSMOUTH CL	CHURCHLAND BLVD		12.3	15.7	39.1	42.5	1.39	1.38	0.0	0.0	503	0.0	0.4	0.6	0.8	1.99	1.93
CHES	TYRE NECK RD	BRUCE RD	SILVERWOOD BLVD		-	-	-	-	-	-	-	-	47	-	-	-	-	-	-
CHES	TYRE NECK RD	SILVERWOOD BLVD	PORTSMOUTH CL		-	-	-	-	-	-	-	-	62	-	-	-	-	-	-
CHES	VOLVO PKWY	BATTLEFIELD BLVD	GREENBRIER PKWY		13.4	11.0	54.4	54.7	1.25	1.24	0.1	0.2	529	0.3	0.4	0.8	0.8	1.59	1.59
CHES	VOLVO PKWY	GREENBRIER PKWY	EDEN WAY		4.3	18.6	32.7	20.5	1.20	1.21	0.0	0.0	549	0.1	0.6	0.3	0.3	1.46	1.50
CHES	VOLVO PKWY	EDEN WAY	KEMPSVILLE RD		4.6	21.0	38.4	23.6	1.20	1.21	0.0	0.0	618	0.2	0.7	0.4	0.3	1.46	1.50
CHES	VOLVO PKWY	KEMPSVILLE RD	VA BEACH CL		1.4	18.8	5.6	32.5	1.19	1.57	0.1	3.0	337	0.0	0.6	0.1	0.3	1.77	2.66
CHES	WESTERN BRANCH BLVD	CHURCHLAND BLVD	TAYLOR RD		3.5	2.4	26.2	20.5	1.20	1.18	0.0	0.1	220	0.1	0.0	0.2	0.2	1.42	1.44
CHES	WESTERN BRANCH BLVD	TAYLOR RD	PORTSMOUTH CL		3.4	2.3	26.6	23.3	1.20	1.18	0.0	0.1	230	0.1	0.1	0.2	0.2	1.42	1.44
FR	ARMORY DR	ROUTE 58	BAILEY DR		-	-	-	-	-	-	-	-	79	-	-	-	-	-	-
FR	ARMORY DR	BAILEY DR	COLLEGE DR		-	-	-	-	-	-	-	-	78	-	-	-	-	-	-
FR	ARMORY DR	COLLEGE DR	GARDNER ST		-	-	-	-	-	-	-	-	37	-	-	-	-	-	-
FR	ARMORY DR/SECOND AVE	GARDNER ST	HIGH ST		-	-	-	-	-	-	-	-	47	-	-	-	-	-	-
FR	CLAY ST	SOUTHAMPTON CL	COLLEGE DR		0.2	0.0	0.3	0.3	1.07	1.06	0.0	0.1	41	0.0	0.0	0.0	0.0	1.32	1.46
FR	CLAY ST	COLLEGE DR	HOMESTEAD RD		0.0	0.0	0.8	1.0	1.10	1.13	0.0	0.0	48	0.0	0.0	0.0	0.0	1.63	1.65
FR	CLAY ST	HOMESTEAD RD	LEE ST		0.0	0.0	0.6	0.9	1.10	1.13	0.0	0.0	42	0.0	0.0	0.0	0.0	1.63	1.65
FR	CLAY ST/FOURTH AVE	LEE ST	HIGH ST		0.0	0.0	0.4	0.0	1.10	1.13	0.0	0.0	28	0.0	0.0	0.0	0.0	1.63	1.65
FR	COLLEGE DR	SOUTH ST	ARMORY DR		-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
FR	COLLEGE DR	ARMORY DR	CLAY ST		-	-	-	-	-	-	-	-	78	-	-	-	-	-	-
FR	FAIRVIEW DR	HUNTERDALE RD	CRESENT DR		-	-	-	-	-	-	-	-	59	-	-	-	-	-	-
FR	FAIRVIEW DR	CRESENT DR	HIGH ST		-	-	-	-	-	-	-	-	36	-	-	-	-	-	-
FR	FOURTH AVE/MECHANIC ST	HIGH ST	SECOND AVE		0.2	0.1	0.1	0.7	1.16	1.19	0.0	0.0	17	0.0	0.0	0.0	0.0	1.48	1.82
FR	HIGH ST	SOUTH ST	SECOND AVE		-	-	-	-	-	-	-	-	47	-	-	-	-	-	-

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

Appendix C – Delay, Reliability and Truck Data

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
FR	HIGH ST	SECOND AVE	FOURTH AVE		-	-	-	-	-	-	-	-	30	-	-	-	-	-	-
FR	HIGH ST	FOURTH AVE	HOMESTEAD RD		-	-	-	-	-	-	-	-	50	-	-	-	-	-	-
FR	HIGH ST	HOMESTEAD RD	FAIRVIEW DR		-	-	-	-	-	-	-	-	41	-	-	-	-	-	-
FR	HUNTERDALE RD	CLAY ST	FAIRVIEW DR		-	-	-	-	-	-	-	-	65	-	-	-	-	-	-
FR	MAIN ST	SOUTH ST	SECOND AVE		0.0	0.4	0.6	0.9	1.10	1.14	0.0	0.0	87	0.0	0.0	0.0	0.0	1.30	1.41
FR	PRETLOW ST	ROUTE 58	MORTON ST		-	-	-	-	-	-	-	-	47	-	-	-	-	-	-
FR	PRETLOW ST	MORTON ST	LAUREL ST		-	-	-	-	-	-	-	-	89	-	-	-	-	-	-
FR	PRETLOW ST	LAUREL ST	SOUTH ST		-	-	-	-	-	-	-	-	89	-	-	-	-	-	-
FR	SECOND AVE	HIGH ST	MAIN ST		-	-	-	-	-	-	-	-	44	-	-	-	-	-	-
FR	SECOND AVE	MAIN ST	MECHANIC ST		0.4	0.6	0.8	1.1	1.13	1.12	0.0	0.0	177	0.0	0.0	0.0	0.0	1.57	1.45
FR	SECOND AVE	MECHANIC ST	ISLE OF WIGHT CL		0.9	1.2	1.3	2.1	1.13	1.12	0.0	0.0	112	0.0	0.0	0.0	0.0	1.57	1.45
FR	SOUTH ST	ROUTE 58	COLLEGE DR		0.1	1.1	1.7	2.3	1.10	1.14	0.0	0.0	91	0.0	0.0	0.0	0.0	1.30	1.41
FR	SOUTH ST	COLLEGE DR	PRETLOW ST		0.0	0.9	2.0	2.7	1.10	1.14	0.0	0.0	103	0.0	0.0	0.0	0.0	1.30	1.41
FR	SOUTH ST	PRETLOW ST	HIGH ST		0.0	1.0	1.3	1.9	1.10	1.14	0.0	0.0	75	0.0	0.0	0.0	0.0	1.30	1.41
FR	SOUTH ST	HIGH ST	MAIN ST		0.0	0.4	0.6	1.0	1.10	1.14	0.0	0.0	114	0.0	0.0	0.0	0.0	1.30	1.41
GLO	BELROI RD	HICKORY FORK RD	ROUTE 17		-	-	-	-	-	-	-	-	24	-	-	-	-	-	-
GLO	GUINEA RD	ROUTE 17	MARYUS RD		-	-	-	-	-	-	-	-	132	-	-	-	-	-	-
GLO	HICKORY FORK RD	ROUTE 17	BELROI RD		-	-	-	-	-	-	-	-	72	-	-	-	-	-	-
GLO	RTE 3/14	RTE 17 BUS	COW CREEK		-	-	-	-	-	-	-	-	355	-	-	-	-	-	-
GLO	RTE 3/14	COW CREEK	MATHEWS CL		-	-	-	-	-	-	-	-	257	-	-	-	-	-	-
GLO	RTE 14	KING AND QUEEN CL	ROUTE 17		-	-	-	-	-	-	-	-	296	-	-	-	-	-	-
GLO	RTE 17 (COLEMAN BRIDGE)	YORK CL	RTE 216 (GUINEA RD)		1.8	5.4	18.7	5.7	1.11	1.13	0.0	0.0	831	0.1	0.1	0.2	0.1	1.39	1.47
GLO	RTE 17	RTE 216 (GUINEA RD)	RTE 614 (HICKORY FORK RD)		2.0	4.4	18.0	6.7	1.11	1.13	0.0	0.0	863	0.1	0.1	0.2	0.1	1.39	1.47
GLO	RTE 17	RTE 614 (HICKORY FORK RD)	RTE 17 BUS S (MAIN ST)		3.8	3.1	26.7	9.3	1.20	1.12	0.1	0.0	699	0.1	0.1	0.4	0.2	1.63	1.63
GLO	RTE 17	RTE 17 BUS S (MAIN ST)	RTE 17 BUS N (MAIN ST)		1.4	2.7	9.2	7.2	1.16	1.19	0.1	0.0	492	0.1	0.1	0.1	0.1	1.49	1.46
GLO	RTE 17	RTE 17 BUS N (MAIN ST)	RTE 606 (ARK RD)		0.8	0.7	2.5	3.6	1.09	1.11	0.0	0.0	410	0.0	0.0	0.0	0.1	1.25	1.29
GLO	RTE 17	RTE 606 (ARK RD)	ROUTE 14		0.3	0.3	0.2	0.7	1.04	1.06	0.0	0.0	275	0.0	0.0	0.0	0.0	1.12	1.20
GLO	RTE 17	ROUTE 14	ROUTES 33/198		0.2	0.2	0.5	0.1	1.07	1.04	0.0	0.0	168	0.0	0.0	0.0	0.0	1.34	1.15
GLO	RTE 17	ROUTES 33/198	MIDDLESEX CL		0.5	1.8	0.2	1.9	1.05	1.08	0.0	0.1	298	0.0	0.0	0.0	0.0	1.20	1.28
GLO	RTE 33	KING AND QUEEN CL	ROUTE 17		0.2	0.1	0.7	0.1	1.04	1.02	0.0	0.0	686	0.0	0.0	0.0	0.0	1.22	1.10
GLO	RTE 198	ROUTE 17	RTE 601 (PAMPA RD)		-	-	-	-	-	-	-	-	89	-	-	-	-	-	-
GLO	RTE 198	RTE 601 (PAMPA RD)	RTE 606 (HARCUM RD)		-	-	-	-	-	-	-	-	91	-	-	-	-	-	-
GLO	RTE 198	RTE 606 (HARCUM RD)	MATHEWS CL		-	-	-	-	-	-	-	-	87	-	-	-	-	-	-
GLO	MAIN ST (BUS RTE 17)	RTE 17 (SOUTH INTERSECTION)	RTE 3/14E		1.5	4.6	24.6	10.9	1.21	1.15	0.0	0.2	360	0.0	0.1	0.3	0.2	1.65	1.42
HAM	ABERDEEN RD	NEWPORT NEWS CL	PEMBROKE AVE		2.4	1.8	4.2	5.0	1.15	1.22	0.0	0.2	491	0.1	0.1	0.2	0.1	1.52	1.76
HAM	ABERDEEN RD	PEMBROKE AVE	I-664		11.5	21.7	13.0	35.8	1.54	1.88	1.6	4.0	491	0.4	1.3	0.5	0.9	2.47	3.38
HAM	ABERDEEN RD	I-664	BRIARFIELD RD		6.6	7.9	18.3	10.9	1.22	1.20	0.0	0.0	864	0.2	0.5	0.5	0.3	1.51	1.50
HAM	ABERDEEN RD	BRIARFIELD RD	MERCURY BLVD		2.1	1.8	9.3	6.4	1.18	1.16	0.0	0.0	349	0.1	0.0	0.1	0.1	1.52	1.46
HAM	ABERDEEN RD	MERCURY BLVD	TODDS LA		14.5	22.9	40.5	39.3	1.68	1.73	3.0	2.0	220	0.4	0.4	0.5	0.4	2.29	2.32
HAM	ARMISTEAD AVE	COMMANDER SHEPARD BLVD	HRC PARKWAY		9.7	4.6	2.2	6.2	1.20	1.17	0.0	0.1	179	0.1	0.1	0.0	0.0	1.55	1.53
HAM	ARMISTEAD AVE	HRC PARKWAY	MERCURY BLVD		5.3	4.1	9.0	19.5	1.14	1.22	0.0	0.0	252	0.1	0.1	0.1	0.1	1.38	1.51
HAM	ARMISTEAD AVE	MERCURY BLVD	PINE CHAPEL RD		5.6	3.6	14.4	8.4	1.21	1.24	0.1	0.5	226	0.1	0.1	0.1	0.0	1.56	1.60
HAM	ARMISTEAD AVE	PINE CHAPEL RD	LASALLE AVE		5.9	4.0	15.8	9.4	1.21	1.24	0.1	0.5	286	0.1	0.1	0.1	0.1	1.56	1.60
HAM	ARMISTEAD AVE	LASALLE AVE	RIP RAP RD		11.3	5.3	19.1	7.7	1.39	1.24	0.8	0.0	219	0.2	0.1	0.3	0.0	2.07	2.10
HAM	ARMISTEAD AVE	RIP RAP RD	PEMBROKE AVE		4.7	1.8	4.5	11.9	1.19	1.24	0.0	0.0	218	0.1	0.1	0.1	0.1	1.67	1.76
HAM	ARMISTEAD AVE	PEMBROKE AVE	SETTLERS LANDING RD		10.4	4.9	15.6	18.1	1.36	1.38	0.1	0.1	142	0.2	0.1	0.1	0.2	1.85	2.13
HAM	BIG BETHEL RD	TODDS LANE	HRC PKWY		11.0	6.6	14.6	12.9	1.17	1.18	0.0	0.0	108	0.1	0.1	0.1	0.1	1.40	1.46
HAM	BIG BETHEL RD	HRC PKWY	THOMAS NELSON DR		1.6	6.7	1.7	19.7	1.16	1.36	0.0	0.0	136	0.0	0.1	0.0	0.1	1.50	1.81
HAM	BIG BETHEL RD	THOMAS NELSON DR	SAUNDERS RD		1.8	0.2	2.4	0.7	1.10	1.07	0.0	0.0	95	0.0	0.0	0.0	0.0	1.38	1.21
HAM	BIG BETHEL RD	SAUNDERS RD	SEMPLE FARM RD		2.4	1.9	13.0	2.9	1.15	1.10	0.0	0.0	95	0.0	0.0	0.1	0.0	1.42	1.29
HAM	BIG BETHEL RD	SEMPLE FARM RD	YORK CL		1.8	1.6	10.0	1.9	1.15	1.10	0.0	0.0	66	0.0	0.0	0.1	0.0	1.42	1.29
HAM	BRIARFIELD RD	NEWPORT NEWS CL	ABERDEEN RD		0.2	0.4	4.4	4.0	1.14	1.12	0.0	0.0	95	0.0	0.0	0.0	0.0	1.56	1.43
HAM	BRIARFIELD RD	ABERDEEN RD	POWER PLANT PKWY		0.5	2.2	4.2	5.1	1.15	1.24	0.1	0.1	125	0.0	0.0	0.0	0.0	1.48	1.57
HAM	CHESTNUT AVE	NEWPORT NEWS CL	MERCURY BLVD		0.4	0.1	1.1	1.2	1.10	1.10	0.0	0.0	36	0.0	0.0	0.0	0.0	1.61	1.46
HAM	COMMANDER SHEPARD BLVD	BIG BETHEL RD	NORTH CAMPUS PKWY		0.2	0.2	0.4	0.8	1.09	1.13	0.0	0.0	71	0.0	0.0	0.0	0.0	1.31	1.34
HAM	COMMANDER SHEPARD BLVD	NORTH CAMPUS PKWY	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		0.2	0.2	0.4	0.8	1.09	1.13	0.0	0.0	71	0.0	0.0	0.0	0.0	1.31	1.34

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
HAM	COMMANDER SHEPARD BLVD	MAGRUDER BLVD/NEIL ARMSTRONG PK	ARMISTEAD AVE		8.5	0.6	1.3	0.5	1.17	1.15	0.1	0.0	108	0.0	0.0	0.0	0.0	1.62	1.47
HAM	COMMANDER SHEPARD BLVD	ARMISTEAD AVE	NASA MAIN GATE		2.4	1.2	1.7	2.3	1.08	1.13	0.0	0.1	196	0.0	0.0	0.0	0.0	1.26	1.47
HAM	COMMANDER SHEPARD BLVD	NASA MAIN GATE	WYTHE CREEK RD		0.7	1.5	1.8	0.9	1.08	1.13	0.0	0.1	111	0.0	0.0	0.0	0.0	1.26	1.47
HAM	COMMANDER SHEPARD BLVD	WYTHE CREEK RD	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		20.9	50.2	40.5	74.2	1.58	1.94	0.8	3.1	178	0.1	0.4	0.2	0.2	3.41	2.76
HAM	COLISEUM DR	CONVENTION CENTER BLVD	PINE CHAPEL RD		-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
HAM	COLISEUM DR	PINE CHAPEL RD	MERCURY BLVD		5.1	1.8	15.8	1.3	1.60	1.31	2.0	0.0	25	0.0	0.0	0.1	0.0	2.03	2.10
HAM	COLISEUM DR	MERCURY BLVD	MARCELLA DR		8.2	7.6	15.9	29.5	1.32	1.29	0.2	0.2	55	0.0	0.0	0.1	0.1	1.78	1.72
HAM	COLISEUM DR	MARCELLA DR	HRC PARKWAY		8.0	7.4	15.5	28.7	1.32	1.29	0.2	0.2	54	0.0	0.0	0.1	0.1	1.78	1.72
HAM	CONVENTION CENTER BLVD	COLISEUM DR	ARMISTEAD AVE		-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
HAM	COUNTY ST	WOODLAND RD	MALLORY ST		3.4	5.4	2.3	12.3	1.18	1.46	0.0	0.0	79	0.1	0.1	0.0	0.1	1.69	2.30
HAM	CUNNINGHAM DR	TODDS LA	COLISEUM DR		3.4	1.3	22.7	21.7	1.24	1.20	0.0	0.0	66	0.0	0.0	0.1	0.0	1.51	1.51
HAM	CUNNINGHAM DR	COLISEUM DR	MERCURY BLVD		1.1	1.5	7.4	3.1	1.28	1.33	0.1	0.0	34	0.0	0.0	0.0	0.0	1.80	1.92
HAM	FOX HILL RD	OLD BUCKROE RD	WOODLAND RD		4.0	0.8	3.9	8.2	1.12	1.12	0.0	0.0	94	0.0	0.0	0.0	0.0	1.32	1.32
HAM	FOX HILL RD	WOODLAND RD	MERCURY BLVD		7.3	1.8	7.3	14.0	1.12	1.12	0.0	0.0	174	0.0	0.0	0.0	0.1	1.32	1.32
HAM	HARRIS CREEK RD	FOX HILL RD	LITTLE BACK RIVER RD		-	-	-	-	-	-	-	-	38	-	-	-	-	-	-
HAM	HRC PARKWAY	NEWPORT NEWS CL	BIG BETHEL RD		5.9	1.4	10.2	3.3	1.19	1.10	0.1	0.0	250	0.1	0.0	0.1	0.0	1.49	1.24
HAM	HRC PARKWAY	BIG BETHEL RD	I-64		0.9	37.1	0.0	111.9	1.07	1.59	0.0	1.1	443	0.0	0.6	0.0	0.6	1.22	2.89
HAM	HRC PARKWAY	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		0.0	1.8	1.2	4.5	1.12	1.10	0.0	0.0	450	0.0	0.0	0.0	0.0	1.46	1.35
HAM	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	COLISEUM DR		10.3	0.7	18.2	7.0	1.23	1.15	0.0	0.0	347	0.1	0.0	0.1	0.0	1.67	1.49
HAM	HRC PARKWAY	COLISEUM DR	ARMISTEAD AVE		8.1	0.6	14.4	5.3	1.23	1.15	0.0	0.0	276	0.1	0.0	0.1	0.0	1.67	1.49
HAM	I-64	NEWPORT NEWS CL	HRC PARKWAY	EB	2.3	-	1.4	-	1.04	-	0.0	-	4,248	0.1	-	0.0	-	1.08	-
				WB	-	0.0	-	17.1	-	1.04	-	0.0	4,084	-	0.0	-	0.5	-	1.13
HAM	I-64	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	EB	1.5	-	1.3	-	1.04	-	0.0	-	3,808	0.1	-	0.1	-	1.08	-
				WB	-	0.0	-	22.1	-	1.04	-	0.0	3,529	-	0.0	-	0.6	-	1.34
HAM	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PK	MERCURY BLVD	EB	4.2	-	0.0	-	1.04	-	0.0	-	4,398	0.2	-	0.0	-	1.07	-
				WB	-	0.0	-	6.3	-	1.05	-	0.0	4,183	-	0.0	-	0.2	-	1.11
HAM	I-64	MERCURY BLVD	I-664	EB	6.9	-	0.0	-	1.05	-	0.0	-	4,466	0.3	-	0.0	-	1.14	-
				WB	-	0.0	-	1.5	-	1.04	-	0.0	3,742	-	0.0	-	0.0	-	1.08
HAM	I-64	I-664	ARMISTEAD AVE	EB	12.4	-	56.3	-	1.10	-	0.0	-	2,182	0.5	-	1.2	-	4.06	-
				WB	-	0.0	-	0.0	-	1.03	-	0.0	1,650	-	0.0	-	0.0	-	1.08
HAM	I-64	ARMISTEAD AVE	RIP RAP RD	EB	33.6	-	152.9	-	2.66	-	1.0	-	1,708	1.4	-	4.0	-	8.00	-
				WB	-	0.0	-	0.0	-	1.08	-	0.1	1,529	-	0.0	-	0.0	-	1.11
HAM	I-64	RIP RAP RD	SETTLERS LANDING RD	EB	288.6	-	519.5	-	3.61	-	2.4	-	1,605	12.5	-	13.9	-	7.24	-
				WB	-	0.0	-	0.0	-	1.03	-	0.0	1,529	-	0.0	-	0.0	-	1.08
HAM	I-64	SETTLERS LANDING RD	MALLORY ST	EB	348.5	-	435.0	-	2.75	-	3.3	-	1,562	11.1	-	11.3	-	5.53	-
				WB	-	6.2	-	0.0	-	1.02	-	0.0	1,373	-	0.1	-	0.0	-	1.08
HAM	I-64/HRBT	MALLORY ST	NORFOLK CL	EB	43.0	-	76.2	-	1.37	-	0.6	-	1,684	1.4	-	1.5	-	1.96	-
				WB	-	39.4	-	120.8	-	1.35	-	0.2	1,335	-	1.2	-	2.2	-	2.85
HAM	I-664	NEWPORT NEWS CL	ABERDEEN RD	SB	-	12.9	-	0.4	-	1.04	-	0.0	2,647	-	0.6	-	0.0	-	1.09
				NB	0.1	-	22.5	-	1.05	-	0.0	-	2,836	0.0	-	0.7	-	1.19	-
HAM	I-664	ABERDEEN RD	POWER PLANT PKWY	SB	-	11.1	-	0.0	-	1.03	-	0.0	2,412	-	0.4	-	0.0	-	1.08
				NB	0.0	-	33.6	-	1.05	-	0.0	-	2,523	0.0	-	0.8	-	1.46	-
HAM	I-664	POWER PLANT PKWY	I-64	SB	-	4.9	-	1.0	-	1.04	-	0.0	3,200	-	0.2	-	0.0	-	1.08
				NB	1.5	-	47.6	-	1.07	-	0.0	-	3,088	0.1	-	1.4	-	1.63	-
HAM	KECOUGHTAN RD	NEWPORT NEWS CL	POWHATAN PKWY		0.2	0.2	0.9	0.6	1.12	1.11	0.0	0.0	77	0.0	0.0	0.0	0.0	1.43	1.55
HAM	KECOUGHTAN RD	POWHATAN PKWY	LASALLE AVE		0.3	0.5	0.1	1.7	1.14	1.10	0.0	0.0	98	0.0	0.0	0.0	0.0	1.52	1.53
HAM	KECOUGHTAN RD	LASALLE AVE	VICTORIA BLVD		1.7	0.1	4.0	1.6	1.16	1.14	0.0	0.0	119	0.0	0.0	0.0	0.0	1.64	1.50
HAM	KECOUGHTAN RD	VICTORIA BLVD	SETTLERS LANDING RD		6.3	2.2	15.7	8.8	1.38	1.30	0.0	0.0	150	0.2	0.0	0.1	0.1	2.88	1.94
HAM	KING ST	PEMBROKE AVE	I-64 OVERPASS		1.0	2.3	3.2	0.5	1.21	1.17	0.1	0.0	110	0.0	0.0	0.0	0.0	1.68	1.62
HAM	KING ST	I-64 OVERPASS	RIP RAP RD		1.0	2.3	3.2	0.5	1.21	1.17	0.1	0.0	110	0.0	0.0	0.0	0.0	1.68	1.62
HAM	KING ST	RIP RAP RD	MERCURY BLVD		5.5	3.1	36.0	4.8	1.35	1.24	0.4	0.0	247	0.2	0.1	0.3	0.1	1.98	2.10
HAM	KING ST	MERCURY BLVD	OLD FOX HILL RD		1.4	2.8	8.2	10.7	1.15	1.18	0.0	0.0	75	0.0	0.0	0.0	0.0	1.49	1.44
HAM	KING ST	OLD FOX HILL RD	LITTLE BACK RIVER RD		1.2	1.9	6.0	8.2	1.15	1.18	0.0	0.0	56	0.0	0.0	0.0	0.0	1.49	1.44
HAM	KING ST	LITTLE BACK RIVER RD	LAMINGTON RD		0.3	1.3	0.2	0.0	1.12	1.08	0.0	0.0	23	0.0	0.0	0.0	0.0	1.30	1.40
HAM	KING ST	LAMINGTON RD	OLD BUCKINGHAM RD		0.3	1.3	0.2	0.0	1.12	1.08	0.0	0.0	23	0.0	0.0	0.0	0.0	1.30	1.40
HAM	KING ST	OLD BUCKINGHAM RD	LANGLEY AFB		0.3	1.3	0.2	0.0	1.12	1.08	0.0	0.0	23	0.0	0.0	0.0	0.0	1.30	1.40

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
HAM	LASALLE AVE	KECOUGHTAN RD	VICTORIA BLVD		0.5	0.5	2.0	2.0	1.13	1.16	0.0	0.0	46	0.0	0.0	0.0	0.0	1.50	1.63
HAM	LASALLE AVE	VICTORIA BLVD	SETTLERS LANDING RD		2.3	0.8	7.0	2.1	1.17	1.11	0.1	0.0	135	0.0	0.0	0.1	0.0	1.46	1.38
HAM	LASALLE AVE	SETTLERS LANDING RD	PEMBROKE AVE		8.9	7.6	19.3	20.6	1.38	1.33	0.0	0.0	143	0.0	0.1	0.2	0.1	1.94	1.78
HAM	LASALLE AVE	PEMBROKE AVE	ARMISTEAD AVE		10.7	10.9	22.1	24.7	1.38	1.33	0.0	0.0	177	0.0	0.1	0.2	0.1	1.94	1.78
HAM	LASALLE AVE	ARMISTEAD AVE	MERCURY BLVD		0.0	2.5	0.0	4.8	1.11	1.23	0.0	0.0	133	0.0	0.0	0.0	0.0	1.36	1.68
HAM	LASALLE AVE	MERCURY BLVD	LANGLEY GATE		0.0	0.3	1.0	0.0	1.11	1.07	0.0	0.0	100	0.0	0.0	0.0	0.0	1.34	1.22
HAM	LITTLE BACK RIVER RD	KING ST	ROCKWELL RD		-	-	-	-	-	-	-	-	47	-	-	-	-	-	-
HAM	LITTLE BACK RIVER RD	ROCKWELL RD	HARRIS CREEK RD		-	-	-	-	-	-	-	-	25	-	-	-	-	-	-
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	YORK CL	SEMPLE FARM RD		6.2	3.6	7.4	8.2	1.15	1.15	0.0	0.0	164	0.0	0.1	0.0	0.0	1.35	1.35
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	SEMPLE FARM RD	COMM SHEPARD BLVD (SOUTH)		12.4	0.9	8.7	10.3	1.24	1.23	0.0	0.0	432	0.2	0.0	0.1	0.1	1.68	1.80
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	COMM SHEPARD BLVD (SOUTH)	HRC PARKWAY		3.4	8.1	3.8	8.5	1.10	1.16	0.0	0.0	559	0.1	0.2	0.0	0.1	1.29	1.43
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	HRC PARKWAY	I-64		16.0	4.0	36.2	5.8	1.30	1.13	0.2	0.0	576	0.3	0.1	0.4	0.1	1.76	1.46
HAM	MALLORY ST	I-64	COUNTY ST		1.7	38.6	6.0	100.6	1.27	2.55	0.0	1.0	82	0.0	0.3	0.1	0.6	2.38	4.03
HAM	MALLORY ST	COUNTY ST	MERCURY BLVD		1.8	14.4	10.5	21.2	1.32	1.84	0.0	1.0	71	0.1	0.1	0.1	0.3	1.91	4.12
HAM	MALLORY ST	MERCURY BLVD	PEMBROKE AVE		0.4	0.3	0.2	1.9	1.08	1.10	0.0	0.0	58	0.0	0.0	0.0	0.0	1.31	1.29
HAM	MELLEN ST	MERCURY BLVD	MALLORY ST		0.4	0.4	8.7	0.7	1.27	1.12	0.0	0.0	15	0.0	0.0	0.0	0.0	1.82	1.78
HAM	MERCURY BLVD	NEWPORT NEWS CL	BIG BETHEL RD		0.2	10.3	36.8	60.4	1.24	1.29	0.0	0.3	832	0.0	0.2	0.3	0.5	1.72	1.92
HAM	MERCURY BLVD	BIG BETHEL RD	ABERDEEN RD		0.0	2.2	28.8	7.5	1.30	1.17	0.0	0.0	848	0.0	0.0	0.2	0.1	1.76	1.54
HAM	MERCURY BLVD	ABERDEEN RD	POWER PLANT PKWY		22.5	19.1	119.3	52.8	1.45	1.55	0.0	1.0	1,002	0.4	0.4	1.0	0.4	2.05	2.18
HAM	MERCURY BLVD	POWER PLANT PKWY	I-64		1.6	51.9	42.4	304.4	1.28	1.57	0.0	2.0	1,209	0.0	1.3	0.3	2.8	1.95	3.00
HAM	MERCURY BLVD	I-64	COLISEUM DR		29.1	0.8	176.1	82.2	1.47	1.28	0.1	0.0	1,053	0.6	0.0	1.4	0.7	2.17	1.69
HAM	MERCURY BLVD	COLISEUM DR	CUNNINGHAM DR		20.6	0.6	123.0	58.5	1.47	1.28	0.1	0.0	749	0.4	0.0	1.0	0.5	2.17	1.69
HAM	MERCURY BLVD	CUNNINGHAM DR	ARMISTEAD AVE		23.0	0.6	151.4	69.1	1.47	1.28	0.1	0.0	895	0.5	0.0	1.2	0.6	2.17	1.69
HAM	MERCURY BLVD	ARMISTEAD AVE	LASALLE AVE		0.0	3.6	1.1	39.7	1.08	1.34	0.0	0.1	373	0.0	0.0	0.0	0.2	1.26	1.90
HAM	MERCURY BLVD	LASALLE AVE	KING ST		0.2	0.0	34.5	17.0	1.22	1.18	0.0	0.0	448	0.0	0.0	0.1	0.1	1.65	1.52
HAM	MERCURY BLVD	KING ST	FOX HILL RD		5.0	3.8	24.5	24.6	1.19	1.27	0.0	0.0	214	0.1	0.0	0.1	0.1	1.56	1.77
HAM	MERCURY BLVD	FOX HILL RD	ANDREWS BLVD		5.0	3.8	24.5	24.6	1.19	1.27	0.0	0.0	214	0.1	0.0	0.1	0.1	1.56	1.77
HAM	MERCURY BLVD	ANDREWS BLVD	PEMBROKE AVE		19.9	2.9	51.2	22.9	1.62	1.30	1.0	0.1	251	0.1	0.0	0.1	0.1	2.70	1.89
HAM	MERCURY BLVD	PEMBROKE AVE	WOODLAND RD		13.7	8.0	14.5	21.7	1.45	1.58	0.0	1.0	104	0.1	0.1	0.1	0.1	2.16	3.11
HAM	MERCURY BLVD	WOODLAND RD	MALLORY ST		0.9	4.4	3.6	0.2	1.15	1.11	0.0	0.0	104	0.0	0.0	0.0	0.0	1.33	1.35
HAM	MERCURY BLVD	MALLORY ST	MELLEN ST/INGALLS RD		0.1	0.5	1.2	0.0	1.15	1.11	0.0	0.0	25	0.0	0.0	0.0	0.0	1.33	1.35
HAM	OLD BUCKROE RD	PEMBROKE AVE	FOX HILL RD		0.2	0.5	1.3	2.2	1.10	1.09	0.0	0.0	48	0.0	0.0	0.0	0.0	1.42	1.30
HAM	PEMBROKE AVE	NEWPORT NEWS CL	ABERDEEN RD		0.1	2.2	2.5	3.5	1.17	1.22	0.0	0.0	226	0.0	0.0	0.0	0.1	1.59	1.72
HAM	PEMBROKE AVE	ABERDEEN RD	POWHATAN PKWY		0.7	0.6	3.1	3.1	1.19	1.13	0.0	0.0	220	0.0	0.0	0.0	0.1	1.43	1.36
HAM	PEMBROKE AVE	POWHATAN PKWY	SETTLERS LANDING RD		0.1	0.8	0.6	3.2	1.10	1.13	0.0	0.0	241	0.0	0.0	0.0	0.1	1.33	1.38
HAM	PEMBROKE AVE	SETTLERS LANDING RD	LASALLE AVE		9.1	0.8	50.3	10.2	1.70	1.46	3.0	0.0	252	0.4	0.0	0.6	0.2	2.67	2.09
HAM	PEMBROKE AVE	LASALLE AVE	ARMISTEAD AVE		0.8	1.2	7.1	6.8	1.24	1.26	0.0	0.0	148	0.0	0.0	0.1	0.1	1.66	1.60
HAM	PEMBROKE AVE	ARMISTEAD AVE	KING ST		2.3	7.4	7.0	10.0	1.32	1.38	0.0	0.1	119	0.0	0.1	0.1	0.1	1.93	1.99
HAM	PEMBROKE AVE	KING ST	EATON ST		2.3	7.4	7.0	10.0	1.32	1.38	0.0	0.1	119	0.0	0.1	0.1	0.1	1.93	1.99
HAM	PEMBROKE AVE	EATON ST	BARRON ST		2.2	1.7	12.4	1.9	1.31	1.13	0.0	0.0	119	0.0	0.0	0.1	0.0	1.86	1.50
HAM	PEMBROKE AVE	BARRON ST	MERCURY BLVD		2.2	1.7	12.4	1.9	1.31	1.13	0.0	0.0	119	0.0	0.0	0.1	0.0	1.86	1.50
HAM	PEMBROKE AVE	MERCURY BLVD	WOODLAND RD		0.9	0.7	4.1	7.0	1.13	1.12	0.0	0.0	145	0.0	0.0	0.0	0.1	1.30	1.27
HAM	PEMBROKE AVE	WOODLAND RD	OLD BUCKROE RD		0.7	1.0	3.9	7.5	1.13	1.12	0.0	0.0	103	0.0	0.0	0.0	0.0	1.30	1.27
HAM	PEMBROKE AVE	OLD BUCKROE RD	MALLORY ST		0.2	0.2	1.1	1.9	1.13	1.12	0.0	0.0	28	0.0	0.0	0.0	0.0	1.30	1.27
HAM	POWER PLANT PKWY	I-664	BRIARFIELD RD		2.8	1.1	9.6	3.6	1.20	1.19	0.1	0.0	151	0.0	0.0	0.1	0.0	1.58	1.49
HAM	POWER PLANT PKWY	BRIARFIELD RD	PINE CHAPEL RD		1.1	3.5	0.6	8.1	1.10	1.22	0.0	0.0	246	0.0	0.1	0.0	0.1	1.29	1.74
HAM	POWER PLANT PKWY	PINE CHAPEL RD	MERCURY BLVD		-	-	-	-	-	-	-	-	173	-	-	-	-	-	-
HAM	POWHATAN PKWY	KECOUGHTAN RD	PEMBROKE AVE		3.2	0.8	4.4	2.1	1.19	1.16	0.0	0.0	82	0.0	0.0	0.0	0.0	1.55	1.40
HAM	POWHATAN PKWY	PEMBROKE AVE	I-664		14.3	31.9	23.0	129.1	1.43	1.72	0.0	3.0	175	0.1	0.4	0.2	0.6	2.28	3.13
HAM	QUEEN ST	BRIARFIELD RD	MICHIGAN DR		0.8	1.7	0.4	0.9	1.11	1.10	0.0	0.0	141	0.0	0.0	0.0	0.0	1.28	1.33
HAM	QUEEN ST	MICHIGAN DR	PEMBROKE AVE		0.9	1.2	0.4	0.8	1.11	1.10	0.0	0.0	136	0.0	0.0	0.0	0.0	1.28	1.33
HAM	RIP RAP RD	ARMISTEAD AVE	I-64		2.0	14.7	15.4	45.8	1.33	1.69	0.0	1.4	120	0.2	0.1	0.4	0.4	1.69	2.81
HAM	RIP RAP RD	I-64	KING ST		3.1	0.0	13.8	0.0	1.26	1.27	0.4	0.0	189	0.1	0.0	0.1	0.0	1.88	1.64
HAM	ROANOKE AVE	NEWPORT NEWS CL	MERCURY BLVD		1.6	0.0	4.4	1.1	1.29	1.20	0.1	0.0	7	0.0	0.0	0.0	0.0	2.04	1.94
HAM	SAUNDERS RD	NEWPORT NEWS CL	BIG BETHEL RD		2.0	0.5	2.5	1.9	1.11	1.07	0.0	0.0	85	0.0	0.0	0.0	0.0	1.30	1.41
HAM	SEMPLE FARM RD	BIG BETHEL RD	BELLGRADE DR		-	-	-	-	-	-	-	-	16	-	-	-	-	-	-

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
HAM	SEMPLE FARM RD	BELLGRADE DR	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		-	-	-	-	-	-	-	-	16	-	-	-	-	-	-
HAM	SETTLERS LANDING RD	PEMBROKE AVE	LASALLE AVE		33.1	10.3	61.7	24.8	1.73	1.54	3.1	1.0	186	0.6	0.2	0.4	0.2	3.04	2.46
HAM	SETTLERS LANDING RD	LASALLE AVE	KECOUGHTAN RD		3.2	2.8	10.4	10.2	1.21	1.31	0.1	0.1	220	0.1	0.1	0.1	0.1	1.56	1.87
HAM	SETTLERS LANDING RD	KECOUGHTAN RD	ARMISTEAD AVE		20.1	9.5	43.8	47.4	1.62	1.58	3.0	3.0	310	0.4	0.4	0.8	0.7	3.16	3.01
HAM	SETTLERS LANDING RD	ARMISTEAD AVE	EATON ST		27.0	3.8	22.6	9.5	1.31	1.26	0.0	0.0	273	0.7	0.2	0.3	0.1	2.32	1.74
HAM	SETTLERS LANDING RD	EATON ST	TYLER ST		53.7	2.0	100.9	11.3	2.23	1.23	1.0	0.5	366	1.3	0.1	1.2	0.1	4.73	1.63
HAM	SETTLERS LANDING RD	TYLER ST	I-64		53.7	2.0	100.9	11.3	2.23	1.23	1.0	0.5	396	1.4	0.1	1.3	0.2	4.73	1.63
HAM	TODDS LA	NEWPORT NEWS CL	BIG BETHEL RD		3.2	2.3	12.5	9.3	1.17	1.16	0.0	0.0	132	0.0	0.0	0.1	0.1	1.45	1.45
HAM	TODDS LA	BIG BETHEL RD	ABERDEEN RD		1.9	3.7	6.3	16.2	1.17	1.21	0.0	0.0	138	0.0	0.1	0.0	0.1	1.40	1.42
HAM	TODDS LA	ABERDEEN RD	CUNNINGHAM DR		3.8	8.6	15.7	13.9	1.33	1.33	0.0	0.0	91	0.0	0.1	0.1	0.0	2.00	2.25
HAM	TODDS LA	CUNNINGHAM DR	MERCURY BLVD		9.4	8.5	39.2	45.6	1.55	1.76	3.0	1.2	61	0.0	0.1	0.1	0.1	2.56	2.66
HAM	WOODLAND RD	I-64	COUNTY ST		4.5	91.3	33.6	215.6	1.42	2.27	0.0	4.0	240	0.1	0.8	0.2	1.9	2.33	4.54
HAM	WOODLAND RD	COUNTY ST	MERCURY BLVD		7.7	55.6	12.2	63.0	1.31	3.00	0.0	1.0	191	0.1	0.5	0.1	0.3	2.00	7.00
HAM	WOODLAND RD	MERCURY BLVD	PEMBROKE AVE		4.4	7.4	5.8	5.4	1.25	1.20	0.0	0.0	74	0.1	0.0	0.0	0.0	1.70	1.62
HAM	WOODLAND RD	PEMBROKE AVE	FOX HILL RD		2.5	4.3	4.9	3.0	1.17	1.15	0.0	0.0	46	0.0	0.0	0.0	0.0	1.51	1.43
HAM	WYTHE CREEK RD	COMMANDER SHEPARD BLVD	POQUOSON CL		1.7	3.4	10.9	3.6	1.16	1.12	0.2	0.0	135	0.0	0.0	0.0	0.0	1.64	1.42
IW	BATTERY PARK RD	S CHURCH ST	NIKE PARK RD		-	-	-	-	-	-	-	-	150	-	-	-	-	-	-
IW	BATTERY PARK RD	NIKE PARK RD	COUNTRY WAY		-	-	-	-	-	-	-	-	26	-	-	-	-	-	-
IW	BENNS CHURCH BLVD	SUFFOLK CL	RIDDICK RD		0.1	0.4	0.3	0.0	1.05	1.04	0.0	0.0	691	0.0	0.0	0.0	0.0	1.18	1.30
IW	BENNS CHURCH BLVD	RIDDICK RD	ROUTE 10 & 32 (BREWERS NECK BLVD)		0.1	0.4	0.3	0.0	1.05	1.04	0.0	0.0	691	0.0	0.0	0.0	0.0	1.18	1.30
IW	BENNS CHURCH BLVD	ROUTE 10 & 32 (BREWERS NECK BLVD)	ECL SMITHFIELD (RTE 644)		1.5	1.6	2.1	5.6	1.07	1.08	0.0	0.0	1,532	0.1	0.2	0.1	0.2	1.21	1.24
IW	BENNS CHURCH BLVD	ECL SMITHFIELD (RTE 644)	CHURCH ST S		3.8	13.8	29.1	43.8	1.26	1.28	0.1	0.0	1,682	0.2	1.8	1.0	1.3	1.74	1.97
IW	BREWERS NECK BLVD	ROUTE 10 & 32 (BENN'S CHURCH)	RTE 670		7.8	0.1	9.8	2.3	1.15	1.08	0.1	0.0	1,098	0.3	0.0	0.2	0.0	1.41	1.25
IW	BREWERS NECK BLVD	RTE 670	ROUTE 17		7.8	0.1	9.8	2.3	1.15	1.08	0.1	0.0	1,098	0.3	0.0	0.2	0.0	1.41	1.25
IW	BUCKHORN DR	SUFFOLK CL	SUNSET DR (RTE 609)		-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
IW	BUCKHORN DR	SUNSET DR (RTE 609)	SCL WINDSOR		-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
IW	BUS RTE 10	NCL SMITHFIELD	JENKINS LANE		-	-	-	-	-	-	-	-	36	-	-	-	-	-	-
IW	BUS RTE 10	JENKINS LANE	RT 10 BYPASS		-	-	-	-	-	-	-	-	40	-	-	-	-	-	-
IW	BUS RTE 58/BUS RTE 258	FRANKLIN CL	JAMESTOWN LN (RTE 691)		0.5	0.9	1.2	1.4	1.13	1.12	0.0	0.0	84	0.0	0.0	0.0	0.0	1.57	1.45
IW	BUS RTE 58/BUS RTE 258	JAMESTOWN LN (RTE 691)	ROUTE 258		0.5	0.9	1.2	1.4	1.13	1.12	0.0	0.0	84	0.0	0.0	0.0	0.0	1.57	1.45
IW	BUS RTE 58	ROUTE 258	SUFFOLK CL		0.1	0.1	0.1	0.0	1.06	1.08	0.0	0.0	79	0.0	0.0	0.0	0.0	1.22	1.35
IW	CARROLLTON BLVD	SUFFOLK CL	WEST END CHUCKATUCK BRIDGE		2.3	1.9	6.9	3.0	1.10	1.08	0.0	0.0	465	0.1	0.0	0.1	0.0	1.63	1.30
IW	CARROLLTON BLVD	WEST END CHUCKATUCK BRIDGE	ROUTE 258		2.3	1.9	6.9	3.0	1.10	1.08	0.0	0.0	465	0.1	0.0	0.1	0.0	1.63	1.30
IW	CARROLLTON BLVD	ROUTE 258	SMITH'S NECK RD		10.3	1.8	8.5	94.8	1.15	1.70	0.0	1.0	896	0.2	0.1	0.2	1.0	1.45	2.05
IW	CARROLLTON BLVD/JAMES RIVER BR	SMITH'S NECK RD	NEWPORT NEWS CL		9.6	0.3	7.3	41.0	1.11	1.30	0.1	0.2	896	0.2	0.0	0.2	0.4	1.48	2.12
IW	CHURCH ST S	RTE 10 BYPASS	BATTERY PARK RD		2.5	7.1	3.4	8.8	1.14	1.25	0.0	0.0	84	0.0	0.0	0.0	0.1	1.40	1.65
IW	CHURCH ST S	BATTERY PARK RD	CYPRESS CREEK BRIDGE		2.7	5.2	3.3	4.2	1.17	1.20	0.0	0.0	76	0.0	0.0	0.0	0.0	1.69	1.51
IW	CHURCH ST S	CYPRESS CREEK BRIDGE	MAIN ST		2.6	5.8	3.5	4.0	1.17	1.20	0.0	0.0	75	0.0	0.0	0.0	0.0	1.69	1.51
IW	CHURCH ST N	MAIN ST	SMITHFIELD CL		-	-	-	-	-	-	-	-	36	-	-	-	-	-	-
IW	COURT ST	SCL WINDSOR/BUCKHORN DR	ROUTE 460		-	-	-	-	-	-	-	-	16	-	-	-	-	-	-
IW	MAIN ST	ROUTE 10 BYPASS	CHURCH ST		4.4	3.5	1.7	2.4	1.19	1.30	0.0	0.0	21	0.0	0.0	0.0	0.0	1.75	1.99
IW	NIKE PARK RD	BATTERY PARK RD	TITUS CREEK DR		-	-	-	-	-	-	-	-	106	-	-	-	-	-	-
IW	RESCUE RD	NEWPORT ST (RTE 1002)	SMITH'S NECK RD		-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
IW	ROUTE 10 (OLD STAGE HWY)	BUS RTE 10	IW/SURRY CL		0.8	0.1	0.2	0.5	1.05	1.04	0.0	0.0	502	0.0	0.0	0.0	0.0	1.40	1.39
IW	ROUTE 10 BYPASS	CHURCH ST S	FAIRWAY DR		0.9	0.3	11.6	1.2	1.21	1.07	0.0	0.0	757	0.0	0.0	0.2	0.0	1.87	1.19
IW	ROUTE 10 BYPASS	FAIRWAY DR	MAIN ST		0.9	0.3	11.6	1.2	1.21	1.07	0.0	0.0	757	0.0	0.0	0.2	0.0	1.87	1.19
IW	ROUTE 10 BYPASS	MAIN ST	NCL SMITHFIELD		0.6	0.6	0.3	1.9	1.05	1.07	0.0	0.0	369	0.0	0.0	0.0	0.0	1.23	1.24
IW	ROUTE 10 BYPASS	NCL SMITHFIELD	BUS RTE 10		0.5	0.4	0.2	1.7	1.05	1.07	0.0	0.0	264	0.0	0.0	0.0	0.0	1.23	1.24
IW	ROUTE 258	SUFFOLK CL	UNION CAMP DR (RTE 656)		-	-	-	-	-	-	-	-	895	-	-	-	-	-	-
IW	ROUTE 258	UNION CAMP DR (RTE 656)	CARRSVILLE HWY (BUS RTE 58)		-	-	-	-	-	-	-	-	338	-	-	-	-	-	-
IW	ROUTE 258	CARRSVILLE HWY (BUS RTE 58)	BURDETTE RD (W RTE 619)		0.2	0.1	0.2	0.1	1.06	1.04	0.0	0.0	347	0.0	0.0	0.0	0.0	1.49	1.36
IW	ROUTE 258	BURDETTE RD (W RTE 619)	RIVER RUN TRAIL (W RTE 614)		0.2	0.1	0.2	0.1	1.06	1.04	0.0	0.0	347	0.0	0.0	0.0	0.0	1.49	1.36
IW	ROUTE 258	RIVER RUN TRAIL (W RTE 614)	BLACKWATER RD (RTE 603)		0.5	0.1	0.2	0.2	1.06	1.04	0.0	0.0	326	0.0	0.0	0.0	0.0	1.49	1.36
IW	ROUTE 258	BLACKWATER RD (RTE 603)	WCL WINDSOR		0.5	0.1	0.2	0.2	1.06	1.04	0.0	0.0	325	0.0	0.0	0.0	0.0	1.49	1.36
IW	ROUTE 258	WCL WINDSOR	ROUTE 460		0.5	0.1	0.2	0.2	1.06	1.04	0.0	0.0	325	0.0	0.0	0.0	0.0	1.49	1.36
IW	ROUTE 258	ROUTE 460	ECL WINDSOR		0.3	0.6	0.4	0.6	1.04	1.07	0.0	0.0	316	0.0	0.0	0.0	0.0	1.55	1.56

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
IW	ROUTE 258	ECL WINDSOR	COURT ST NORTH (RTE 610)		0.3	0.6	0.4	0.6	1.04	1.07	0.0	0.0	316	0.0	0.0	0.0	0.0	1.55	1.56
IW	ROUTE 258	COURT ST NORTH (RTE 610)	IRON MINE SPRINGS RD (RTE 605)		0.4	0.5	0.2	0.5	1.04	1.07	0.0	0.0	253	0.0	0.0	0.0	0.0	1.55	1.56
IW	ROUTE 258	IRON MINE SPRINGS RD (RTE 605)	CENTRAL HILL RD (W RTE 637)		0.4	0.5	0.2	0.5	1.04	1.07	0.0	0.0	253	0.0	0.0	0.0	0.0	1.55	1.56
IW	ROUTE 258	CENTRAL HILL RD (W RTE 637)	SCOTTS FACTORY RD (RTE 620)		0.5	0.3	0.2	0.2	1.04	1.04	0.0	0.0	280	0.0	0.0	0.0	0.0	1.47	1.53
IW	ROUTE 258	SCOTTS FACTORY RD (RTE 620)	WCL SMITHFIELD		1.0	0.6	2.9	1.5	1.18	1.07	0.0	0.0	496	0.1	0.0	0.1	0.1	1.44	1.37
IW	ROUTE 258/N MAIN ST	WCL SMITHFIELD	RTE 10 BYPASS		1.3	0.8	4.2	1.9	1.18	1.07	0.0	0.0	566	0.1	0.0	0.1	0.1	1.44	1.37
IW	ROUTE 460	SOUTHAMPTON CL	FIRETOWER RD (RTE 644)		0.0	0.1	0.0	0.6	1.04	1.05	0.0	0.0	2,398	0.0	0.0	0.0	0.1	1.18	1.27
IW	ROUTE 460	FIRETOWER RD (RTE 644)	WCL WINDSOR		0.0	0.1	0.0	0.6	1.04	1.05	0.0	0.0	2,398	0.0	0.0	0.0	0.1	1.18	1.27
IW	ROUTE 460	WCL WINDSOR	ROUTE 258		0.0	0.1	0.0	0.6	1.04	1.05	0.0	0.0	2,398	0.0	0.0	0.0	0.1	1.18	1.27
IW	ROUTE 460	ROUTE 258	COURT ST (RTE 610)		13.6	11.0	22.3	31.0	1.27	1.30	0.0	0.0	3,661	2.8	3.1	3.7	4.7	1.72	1.75
IW	ROUTE 460	COURT ST (RTE 610)	ECL WINDSOR		0.1	0.0	1.2	0.0	1.05	1.04	0.0	0.0	3,725	0.0	0.0	0.2	0.0	1.14	1.16
IW	ROUTE 460	ECL WINDSOR	SUFFOLK CL		0.1	0.0	1.2	0.0	1.05	1.04	0.0	0.0	3,725	0.0	0.0	0.2	0.0	1.14	1.16
IW	SMITH'S NECK RD	CARROLLTON BLVD	REYNOLDS DR		-	-	-	-	-	-	-	-	63	-	-	-	-	-	-
IW	SMITH'S NECK RD	REYNOLDS DR	TITUS CREEK DR		-	-	-	-	-	-	-	-	48	-	-	-	-	-	-
IW	SMITH'S NECK RD	TITUS CREEK DR	RESCUE RD		-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
IW	TITUS CREEK DR	SMITH'S NECK RD	NIKE PARK RD		-	-	-	-	-	-	-	-	24	-	-	-	-	-	-
IW	TODD AVE/WARWICK ST	COUNTRY WAY	NEWPORT ST (RTE 1002)		-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
JCC	BARHAMSVILLE RD	I-64	ROUTE 60		0.3	1.6	0.0	2.1	1.07	1.15	0.0	0.1	546	0.0	0.1	0.0	0.1	1.24	1.46
JCC	CENTERVILLE RD	JOHN TYLER HWY	MONTICELLO AVE		-	-	-	-	-	-	-	-	124	-	-	-	-	-	-
JCC	CENTERVILLE RD	MONTICELLO AVE	NEWS RD		-	-	-	-	-	-	-	-	158	-	-	-	-	-	-
JCC	CENTERVILLE RD	NEWS RD	LONGHILL RD		-	-	-	-	-	-	-	-	296	-	-	-	-	-	-
JCC	CENTERVILLE RD	LONGHILL RD	RICHMOND RD		-	-	-	-	-	-	-	-	334	-	-	-	-	-	-
JCC	COLONIAL NATL HIST PKWY	JAMESTOWN/RTE 359	WILLIAMSBURG CL/RTE 199		-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
JCC	CROAKER RD	ROUTE 60	MAXTON LN (RTE 760)		1.8	3.6	3.1	9.4	1.14	1.19	0.0	0.1	259	0.1	0.1	0.0	0.1	1.40	1.57
JCC	CROAKER RD	MAXTON LN (RTE 760)	I-64		1.9	3.4	2.9	9.2	1.14	1.19	0.0	0.1	244	0.1	0.2	0.0	0.1	1.40	1.57
JCC	CROAKER RD	I-64	FENTON MILL RD		-	-	-	-	-	-	-	-	145	-	-	-	-	-	-
JCC	CROAKER RD	FENTON MILL RD	RIVERVIEW RD		-	-	-	-	-	-	-	-	82	-	-	-	-	-	-
JCC	DEPUE DR	LONGHILL RD (RTE 612)	IRONBOUND RD		0.2	0.3	2.4	0.1	1.10	1.08	0.2	0.0	132	0.0	0.0	0.0	0.0	1.25	1.19
JCC	I-64	NEW KENT CL	RTE 30	EB	0.0	-	0.3	-	1.04	-	0.0	-	2,854	0.0	-	0.0	-	1.16	-
				WB	-	0.0	-	0.0	-	1.04	-	0.0	2,658	-	0.0	-	0.0	-	1.20
JCC	I-64	RTE 30	CROAKER RD (RTE 607)	EB	0.0	-	0.0	-	1.05	-	0.0	-	3,195	0.0	-	0.0	-	1.51	-
				WB	-	0.0	-	0.0	-	1.04	-	0.0	2,957	-	0.0	-	0.0	-	1.09
JCC	I-64	CROAKER RD (RTE 607)	YORK CL	EB	0.0	-	0.0	-	1.05	-	0.0	-	3,654	0.0	-	0.0	-	1.26	-
				WB	-	0.0	-	0.0	-	1.04	-	0.0	3,342	-	0.0	-	0.0	-	1.16
JCC	I-64	YORK CL	NEWPORT NEWS CL	EB	10.1	-	18.7	-	1.06	-	0.0	-	2,041	0.5	-	0.7	-	1.70	-
				WB	-	4.0	-	20.5	-	1.14	-	0.0	2,134	-	0.2	-	0.6	-	1.64
JCC	IRONBOUND RD	STRAWBERRY PLAINS RD	MONTICELLO AVE		-	-	-	-	-	-	-	-	130	-	-	-	-	-	-
JCC	IRONBOUND RD	MONTICELLO AVE	WILLIAMSBURG CL		0.4	0.0	0.4	1.0	1.12	1.20	0.0	0.1	148	0.0	0.0	0.0	0.0	1.30	1.59
JCC	IRONBOUND RD/NEWS RD	JOHN TYLER HWY	MONTICELLO AVE		0.1	0.5	0.1	2.6	1.07	1.10	0.0	0.0	110	0.0	0.0	0.0	0.0	1.24	1.30
JCC	IRONBOUND RD/SANDY BAY RD	JAMESTOWN RD	JOHN TYLER HWY		0.7	2.6	1.6	6.6	1.11	1.07	0.0	0.0	130	0.0	0.0	0.0	0.0	1.38	1.42
JCC	JAMESTOWN RD	JAMES RIVER/FERRY	COLONIAL PARKWAY (RTE 359)		-	-	-	-	-	-	-	-	80	-	-	-	-	-	-
JCC	JAMESTOWN RD	COLONIAL PARKWAY (RTE 359)	SANDY BAY RD (RTE 681)		0.1	0.1	0.4	0.0	1.09	1.08	0.0	0.0	80	0.0	0.0	0.0	0.0	1.39	1.31
JCC	JAMESTOWN RD	SANDY BAY RD (RTE 681)	NECK-O-LAND RD		1.1	0.2	1.8	0.9	1.10	1.06	0.0	0.0	97	0.0	0.0	0.0	0.0	1.26	1.17
JCC	JAMESTOWN RD	NECK-O-LAND RD	WILLIAMSBURG CL		1.1	0.2	1.8	0.9	1.10	1.06	0.0	0.0	97	0.0	0.0	0.0	0.0	1.26	1.17
JCC	JOHN TYLER HWY	CHARLES CITY CL	MONTICELLO AVE		0.0	0.0	0.3	0.0	1.04	1.04	0.0	0.0	71	0.0	0.0	0.0	0.0	1.12	1.13
JCC	JOHN TYLER HWY	MONTICELLO AVE	CENTERVILLE RD (RTE 614)		0.1	0.1	0.6	0.0	1.04	1.04	0.0	0.0	80	0.0	0.0	0.0	0.0	1.12	1.13
JCC	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)	IRONBOUND RD (RTE 615)		1.2	0.6	2.2	1.3	1.08	1.07	0.0	0.0	130	0.0	0.0	0.0	0.0	1.23	1.22
JCC	JOHN TYLER HWY	IRONBOUND RD (RTE 615)	STANLEY DR (RTE 712)		2.0	0.4	3.9	3.5	1.11	1.09	0.1	0.0	175	0.0	0.0	0.0	0.0	1.26	1.28
JCC	JOHN TYLER HWY	STANLEY DR (RTE 712)	ROUTE 199		2.7	0.7	6.2	5.9	1.11	1.09	0.1	0.0	292	0.1	0.0	0.1	0.0	1.26	1.28
JCC	LONGHILL RD	CENTERVILLE RD (RTE 614)	OLDE TOWNE RD (RTE 658)		-	-	-	-	-	-	-	-	95	-	-	-	-	-	-
JCC	LONGHILL RD	OLDE TOWNE RD (RTE 658)	ROUTE 199		-	-	-	-	-	-	-	-	200	-	-	-	-	-	-
JCC	LONGHILL RD	ROUTE 199	DEPUE DR		5.8	2.0	23.2	28.6	1.22	1.37	0.0	0.0	216	0.0	0.0	0.2	0.1	1.57	1.86
JCC	MERRIMAC TRL	NEWPORT NEWS CL @ I-64	YORK CL (SOUTH OF GROVE INT)		1.0	0.1	1.6	0.1	1.10	1.05	0.0	0.0	225	0.1	0.0	0.0	0.0	1.59	1.19
JCC	MERRIMAC TRL	YORK CL @ ROUTE 199	PENNIMAN RD (YORK CL)		0.5	2.9	1.2	7.1	1.09	1.15	0.0	0.0	320	0.0	0.0	0.0	0.1	1.28	1.39
JCC	MONTICELLO AVE	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)		-	-	-	-	-	-	-	-	96	-	-	-	-	-	-
JCC	MONTICELLO AVE	CENTERVILLE RD (RTE 614)	NEWS RD		-	-	-	-	-	-	-	-	158	-	-	-	-	-	-

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
JCC	MONTICELLO AVE	NEWS RD	ROUTE 199		10.7	12.1	56.8	58.5	1.34	1.31	0.8	0.0	548	0.2	0.4	0.6	0.4	1.99	1.92
JCC	MONTICELLO AVE	ROUTE 199	IRONBOUND RD (RTE 615)		0.0	0.0	16.7	45.3	1.23	1.21	0.1	0.0	177	0.0	0.0	0.1	0.1	1.62	1.52
JCC	OLD STAGE RD	NEW KENT CL	BARNES RD (RTE 601 S)		0.7	0.6	0.7	1.5	1.06	1.06	0.0	0.0	1,199	0.1	0.1	0.1	0.2	1.72	1.86
JCC	OLD STAGE RD	BARNES RD (RTE 601 S)	I-64		0.8	0.1	0.0	0.3	1.04	1.06	0.0	0.0	1,199	0.1	0.0	0.0	0.0	1.16	1.13
JCC	OLDE TOWNE RD	LONGHILL RD	RICHMOND RD		-	-	-	-	-	-	-	-	121	-	-	-	-	-	-
JCC	POCAHONTAS TRL	WILLIAMSBURG CL	YORK CL @ 199		0.9	0.9	0.7	2.0	1.09	1.10	0.0	0.0	127	0.0	0.0	0.0	0.0	1.33	1.56
JCC	POCAHONTAS TRL	YORK CL	BASF RD/ROUTE 60 RELOCATION		1.0	1.5	4.9	1.4	1.10	1.09	0.0	0.0	603	0.1	0.1	0.2	0.1	1.39	1.31
JCC	POCAHONTAS TRL	BASF RD/ROUTE 60 RELOCATION	NEWPORT NEWS CL		1.3	1.6	6.3	1.5	1.10	1.09	0.0	0.0	735	0.1	0.1	0.2	0.1	1.39	1.31
JCC	RICHMOND RD	ROUTE 199	OLDE TOWNE RD (RTE 658)		0.5	0.7	7.1	5.3	1.16	1.18	0.0	0.0	232	0.0	0.0	0.1	0.0	1.41	1.58
JCC	RICHMOND RD	OLDE TOWNE RD (RTE 658)	WILLIAMSBURG CL		0.8	0.3	14.1	10.1	1.15	1.16	0.0	0.0	198	0.0	0.0	0.1	0.1	1.41	1.47
JCC	ROCHAMBEAU DR	ROUTE 60	0.7 MI EAST OF ASHINGTON WAY		2.8	0.9	3.7	1.5	1.16	1.08	0.0	0.0	164	0.1	0.0	0.0	0.0	1.79	1.26
JCC	ROCHAMBEAU DR	0.7 MI EAST OF ASHINGTON WAY	CROAKER RD (RTE 607)		2.8	0.9	3.7	1.5	1.16	1.08	0.0	0.0	164	0.1	0.0	0.0	0.0	1.79	1.26
JCC	ROUTE 199	YORK CL	RICHMOND RD (RTE 60)	EB	0.1	-	0.0	-	1.05	-	0.0	-	232	0.0	-	0.0	-	1.20	-
				WB	-	0.1	-	0.0	-	1.06	-	0.0	237	-	0.0	-	0.0	-	1.19
JCC	ROUTE 199	RICHMOND RD (RTE 60)	LONGHILL RD (RTE 612)	EB	1.3	-	1.7	-	1.01	-	0.0	-	170	0.0	-	0.0	-	1.20	-
				WB	-	1.1	-	1.9	-	1.02	-	0.0	164	-	0.0	-	0.0	-	1.20
JCC	ROUTE 199	LONGHILL RD (RTE 612)	MONTICELLO AVE (RTE 321)	EB	1.3	-	1.5	-	1.03	-	0.0	-	205	0.0	-	0.0	-	1.19	-
				WB	-	0.3	-	0.0	-	1.02	-	0.0	208	-	0.0	-	0.0	-	1.19
JCC	ROUTE 199	MONTICELLO AVE (RTE 321)	JOHN TYLER HWY (RTE 5)	EB	4.2	-	16.1	-	1.15	-	0.0	-	185	0.1	-	0.1	-	1.42	-
				WB	-	0.0	-	0.0	-	1.05	-	0.0	190	-	0.0	-	0.0	-	1.17
JCC	ROUTE 199	JOHN TYLER HWY (RTE 5)	WILLIAMSBURG CL		24.9	19.4	127.3	59.8	1.51	1.21	1.0	0.0	689	0.5	0.6	1.9	0.3	2.14	1.57
JCC	ROUTE 199	WILLIAMSBURG CL	HENRY ST/COLONIAL PKWY		5.7	5.8	13.3	30.3	1.09	1.14	0.0	0.0	648	0.1	0.2	0.2	0.1	1.18	1.34
JCC	ROUTE 199	HENRY ST/COLONIAL PKWY	MOUNTS BAY RD/QUARTERPATH RD		5.7	6.1	13.9	30.6	1.09	1.14	0.0	0.0	1,139	0.1	0.3	0.2	0.7	1.18	1.34
JCC	ROUTE 199	MOUNTS BAY RD/QUARTERPATH RD	RTE 60/RTE 143/YORK CL		0.0	4.9	1.7	37.0	1.07	1.20	0.0	0.0	1,065	0.0	0.2	0.0	0.8	1.17	1.78
JCC	ROUTE 60	NEW KENT CL	ROUTE 30		0.2	0.4	0.4	0.1	1.06	1.06	0.0	0.0	104	0.0	0.0	0.0	0.0	1.20	1.23
JCC	ROUTE 60	ROUTE 30	CROAKER RD (RTE 607)		0.4	1.4	2.1	1.1	1.10	1.10	0.0	0.1	271	0.0	0.0	0.0	0.0	1.31	1.30
JCC	ROUTE 60	CROAKER RD (RTE 607)	LIGHTFOOT RD (RTE 646)		2.5	3.1	9.8	16.1	1.13	1.14	0.0	0.0	387	0.1	0.1	0.1	0.1	1.35	1.43
JCC	ROUTE 60	LIGHTFOOT RD (RTE 646)	CENTERVILLE RD (RTE 614)		2.5	3.1	9.8	16.1	1.13	1.14	0.0	0.0	387	0.1	0.1	0.1	0.1	1.35	1.43
JCC	ROUTE 60	CENTERVILLE RD (RTE 614)	ROUTE 199		16.2	34.8	49.0	104.2	1.40	1.68	0.0	3.0	416	0.4	0.9	0.5	0.9	2.01	2.88
JCC	STRAWBERRY PLAINS RD	JOHN TYLER HWY/ROUTE 199	IRONBOUND RD		-	-	-	-	-	-	-	-	90	-	-	-	-	-	-
NN	23RD/25TH CONNECTOR	HUNTINGTON AVE	JEFFERSON AVE		2.1	-	6.3	-	1.32	-	0.3	-	72	0.0	-	0.0	-	2.66	-
NN	25TH ST	HUNTINGTON AVE	WARWICK BLVD		-	0.0	-	0.0	1.32	1.28	0.0	0.0	51	-	0.0	-	0.0	1.84	1.71
NN	25TH ST	JEFFERSON AVE	26TH ST		0.2	-	0.9	-	1.23	-	0.0	-	25	0.0	-	0.0	-	2.16	-
NN	25TH ST	26TH ST	HAMPTON CL		0.2	0.1	0.9	0.4	1.12	1.11	0.0	0.0	157	0.0	0.0	0.0	0.0	1.43	1.55
NN	26TH ST	25TH ST	ROANOKE AVE		-	0.0	-	1.0	-	1.14	-	0.0	55	-	0.0	-	0.0	-	1.42
NN	26TH ST	ROANOKE AVE	JEFFERSON AVE		-	1.3	-	3.2	-	1.31	-	0.0	39	-	0.0	-	0.1	-	2.09
NN	26TH ST	JEFFERSON AVE	WARWICK BLVD		-	24.9	-	16.1	-	1.73	-	2.1	127	-	0.2	-	0.5	-	2.78
NN	26TH ST	WARWICK BLVD	HUNTINGTON AVE		-	24.9	-	16.1	-	1.73	-	2.1	127	-	0.2	-	0.5	-	2.78
NN	39TH ST	HUNTINGTON AVE	MADISON AVE		0.0	1.0	1.6	1.0	1.17	1.22	0.0	0.0	123	0.0	0.0	0.0	0.1	1.59	1.72
NN	39TH ST	MADISON AVE	HAMPTON CL		0.1	2.2	2.5	3.5	1.17	1.22	0.0	0.0	226	0.0	0.0	0.0	0.1	1.59	1.72
NN	BLAND BLVD	WARWICK BLVD	I-64		0.8	5.3	38.9	53.3	1.23	1.31	0.0	0.1	285	0.0	0.1	0.2	0.3	1.57	1.65
NN	BLAND BLVD	I-64	JEFFERSON AVE		0.8	5.3	38.9	53.3	1.23	1.31	0.0	0.1	285	0.0	0.1	0.2	0.3	1.57	1.65
NN	BLAND BLVD	JEFFERSON AVE	McMANUS BLVD		3.4	17.5	6.7	34.9	1.11	1.74	0.0	3.1	110	0.0	0.3	0.1	0.2	1.58	3.02
NN	BRIARFIELD RD	JEFFERSON AVE	HAMPTON CL		0.1	0.4	3.1	3.4	1.14	1.12	0.0	0.0	171	0.0	0.0	0.1	0.0	1.56	1.43
NN	BUXTON AVE	HAMPTON CL	25TH ST		2.4	1.8	4.2	5.0	1.15	1.22	0.0	0.2	435	0.1	0.1	0.1	0.1	1.52	1.76
NN	CENTER AVE	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	-	-	-	-	64	-	-	-	-	-	-
NN	CHESTNUT AVE	39TH ST	44TH ST		1.5	4.0	1.5	6.3	1.19	1.24	0.1	0.3	71	0.0	0.0	0.0	0.1	1.57	1.74
NN	CHESTNUT AVE	44TH ST	BRIARFIELD RD		1.4	3.6	1.5	5.4	1.19	1.24	0.1	0.3	71	0.0	0.0	0.0	0.1	1.57	1.74
NN	CHESTNUT AVE	BRIARFIELD RD	HAMPTON CL		0.5	0.2	1.7	1.4	1.10	1.10	0.0	0.0	72	0.0	0.0	0.0	0.0	1.61	1.46
NN	CITY CENTER BLVD	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	-	-	-	-	258	-	-	-	-	-	-
NN	DENBIGH BLVD	LUCAS CREEK RD	WARWICK BLVD		1.6	3.2	21.8	3.7	1.37	1.15	0.0	0.0	269	0.0	0.1	0.2	0.0	1.96	1.51
NN	DENBIGH BLVD	WARWICK BLVD	JEFFERSON AVE		1.4	0.2	14.4	21.5	1.18	1.21	0.0	0.0	272	0.0	0.0	0.1	0.1	1.42	1.52
NN	DENBIGH BLVD	JEFFERSON AVE	YORK CL		1.4	0.0	14.5	4.7	1.15	1.12	0.0	0.0	417	0.0	0.0	0.1	0.0	1.39	1.28
NN	DILIGENCE DR	THIMBLE SHOALS BLVD	J CLYDE MORRIS BLVD		-	-	-	-	-	-	-	-	134	-	-	-	-	-	-
NN	FORT EUSTIS BLVD	WARWICK BLVD	I-64		0.0	0.0	2.6	1.8	1.08	1.07	0.0	0.0	1,511	0.0	0.0	0.1	0.0	1.18	1.13
NN	FORT EUSTIS BLVD	I-64	JEFFERSON AVE		7.6	18.9	31.6	23.6	1.37	1.28	0.0	0.0	1,019	0.4	0.5	0.8	0.5	1.95	1.73

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NN	FORT EUSTIS BLVD	JEFFERSON AVE	.54 MILES EAST OF RTE 143		0.6	1.4	4.9	0.2	1.12	1.06	0.0	0.0	713	0.0	0.0	0.1	0.0	1.32	1.20
NN	FORT EUSTIS BLVD	.54 MILES EAST OF RTE 143	YORK CL		0.6	1.4	4.9	0.2	1.12	1.06	0.0	0.0	713	0.0	0.0	0.1	0.0	1.32	1.20
NN	HRC PARKWAY	HARPERSVILLE RD	HAMPTON CL		5.9	1.4	10.2	3.3	1.19	1.10	0.1	0.0	250	0.1	0.0	0.1	0.0	1.49	1.24
NN	HARPERSVILLE RD	J CLYDE MORRIS BLVD	SAUNDERS RD		2.8	2.4	18.4	3.6	1.33	1.14	0.0	0.0	174	0.1	0.0	0.2	0.1	1.84	1.39
NN	HARPERSVILLE RD	SAUNDERS RD	HRC PARKWAY		0.3	0.8	2.2	4.2	1.08	1.09	0.0	0.1	82	0.0	0.0	0.0	0.0	1.23	1.24
NN	HARPERSVILLE RD	HRC PARKWAY	JEFFERSON AVE		4.2	17.9	17.1	54.5	1.42	1.47	0.6	0.6	218	0.1	0.2	0.1	0.4	2.26	2.24
NN	HARPERSVILLE RD	JEFFERSON AVE	WARWICK BLVD		-	-	-	-	-	-	-	-	90	-	-	-	-	-	-
NN	HUNTINGTON AVE	71ST ST	39TH ST		-	0.0	-	0.0	-	1.19	-	0.0	162	-	0.0	-	0.0	-	2.01
NN	HUNTINGTON AVE	39TH ST	26TH ST		-	0.0	-	0.0	-	1.48	-	0.9	79	-	0.0	-	0.0	-	2.54
NN	HUNTINGTON AVE	26TH ST	23RD ST		-	0.0	-	0.0	-	1.48	-	0.9	79	-	0.0	-	0.0	-	2.54
NN	I-64	JAMES CITY CL	RTE 143 (NORTH)	EB	10.1	-	18.7	-	1.06	-	0.0	-	2,041	0.5	-	0.7	-	1.70	-
				WB	-	4.0	-	20.5	-	1.14	-	0.0	2,134	-	0.2	-	0.6	-	1.64
NN	I-64	RTE 143 (NORTH)	YORKTOWN RD	EB	8.1	-	26.5	-	1.06	-	0.0	-	1,999	0.4	-	0.8	-	1.75	-
				WB	-	14.0	-	41.1	-	1.09	-	0.0	1,933	-	0.6	-	1.3	-	2.61
NN	I-64	YORKTOWN RD	FORT EUSTIS BLVD	EB	1.2	-	0.1	-	1.06	-	0.0	-	2,135	0.1	-	0.0	-	1.19	-
				WB	-	18.3	-	85.7	-	1.81	-	0.9	2,123	-	0.9	-	2.5	-	3.08
NN	I-64	FORT EUSTIS BLVD	JEFFERSON AVE	EB	0.0	-	0.0	-	1.04	-	0.0	-	2,506	0.0	-	0.0	-	1.10	-
				WB	-	0.1	-	0.9	-	1.05	-	0.0	2,284	-	0.0	-	0.0	-	1.14
NN	I-64	JEFFERSON AVE	OYSTER POINT RD	EB	0.2	-	0.0	-	1.04	-	0.0	-	3,335	0.0	-	0.0	-	1.08	-
				WB	-	0.0	-	1.5	-	1.04	-	0.0	3,248	-	0.0	-	0.1	-	1.08
NN	I-64	OYSTER POINT RD	J C MORRIS BLVD	EB	0.2	-	0.7	-	1.04	-	0.0	-	3,545	0.0	-	0.0	-	1.07	-
				WB	-	0.0	-	4.4	-	1.04	-	0.0	3,435	-	0.0	-	0.1	-	1.07
NN	I-64	J C MORRIS BLVD	HAMPTON CL	EB	2.3	-	1.4	-	1.04	-	0.0	-	4,248	0.1	-	0.0	-	1.08	-
				WB	-	0.0	-	17.1	-	1.04	-	0.0	4,084	-	0.0	-	0.5	-	1.13
NN	I-664/MMMBT	SUFFOLK CL	TERMINAL AVE	SB		0.1	-	27.3	-	1.07	-	0.0	2,376	-	0.0	-	1.0	-	1.18
				NB	13.9	-	19.3	-	1.17	-	0.0	-	2,547	0.8	-	0.8	-	1.77	-
NN	I-664	TERMINAL AVE	23RD ST	SB	-	2.8	-	330.4	-	2.71	-	1.0	1,820	-	0.2	-	19.9	-	4.03
				NB	0.1	-	0.0	-	1.05	-	0.0	-	2,507	0.0	-	0.0	-	1.11	-
NN	I-664	23RD ST	CHESTNUT AVE	SB	-	7.9	-	251.6	-	3.28	-	0.6	2,436	-	0.4	-	12.7	-	6.63
				NB	0.0	-	3.5	-	1.06	-	0.0	-	2,617	0.0	-	0.1	-	1.07	-
NN	I-664	CHESTNUT AVE	HAMPTON CL	SB	-	12.9	-	0.4	-	1.04	-	0.0	2,647	-	0.6	-	0.0	-	1.09
				NB	0.1	-	22.5	-	1.05	-	0.0	-	2,836	0.0	-	0.7	-	1.19	-
NN	J CLYDE MORRIS BLVD	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	-	-	-	-	495	-	-	-	-	-	-
NN	J CLYDE MORRIS BLVD	JEFFERSON AVE	THIMBLE SHOALS BLVD		4.3	18.7	26.8	70.7	1.22	1.31	0.0	0.3	850	0.1	0.4	0.4	0.8	1.58	1.75
NN	J CLYDE MORRIS BLVD	THIMBLE SHOALS BLVD	I-64		4.3	18.7	26.8	70.7	1.22	1.31	0.0	0.3	652	0.1	0.4	0.4	0.8	1.58	1.75
NN	J CLYDE MORRIS BLVD	I-64	HARPERSVILLE RD		4.3	1.9	137.7	6.6	1.42	1.13	0.0	0.0	468	0.1	0.0	0.8	0.1	1.92	1.52
NN	J CLYDE MORRIS BLVD	HARPERSVILLE RD	YORK CL		6.9	13.8	90.3	24.0	1.42	1.20	0.0	0.0	408	0.1	0.2	0.4	0.2	1.98	1.50
NN	JEFFERSON AVE	JAMES CITY CL	YORKTOWN RD		5.5	7.1	7.4	32.2	1.14	1.30	0.0	0.4	543	0.1	0.1	0.0	0.2	2.24	1.74
NN	JEFFERSON AVE	YORKTOWN RD	FORT EUSTIS BLVD		2.3	6.0	2.4	19.6	1.10	1.15	0.1	0.5	347	0.1	0.1	0.0	0.2	1.28	1.50
NN	JEFFERSON AVE	FORT EUSTIS BLVD	FUTURE ATKINSON BLVD		6.5	2.3	12.7	21.6	1.18	1.16	0.4	0.0	580	0.1	0.1	0.2	0.2	1.48	1.40
NN	JEFFERSON AVE	FUTURE ATKINSON BLVD	DENBIGH BLVD		5.9	2.1	14.1	16.6	1.18	1.16	0.4	0.0	570	0.1	0.1	0.1	0.2	1.48	1.40
NN	JEFFERSON AVE	DENBIGH BLVD	BLAND BLVD		13.6	0.0	74.0	56.4	1.25	1.26	0.0	0.0	1,171	0.4	0.0	1.4	0.0	1.59	1.59
NN	JEFFERSON AVE	BLAND BLVD	I-64		0.1	1.5	73.1	71.5	1.20	1.21	0.0	0.0	1,475	0.0	0.0	0.9	0.0	1.50	1.49
NN	JEFFERSON AVE	I-64	OYSTER POINT RD		0.1	1.0	44.1	51.0	1.20	1.21	0.0	0.0	774	0.0	0.0	0.4	0.5	1.50	1.49
NN	JEFFERSON AVE	OYSTER POINT RD	MUELLER LA		0.0	5.2	56.6	31.1	1.21	1.17	0.0	0.1	892	0.0	0.1	0.6	0.4	1.48	1.44
NN	JEFFERSON AVE	MUELLER LA	CITY CENTER BLVD		0.0	5.2	56.6	31.1	1.21	1.17	0.0	0.1	892	0.0	0.1	0.6	0.4	1.48	1.44
NN	JEFFERSON AVE	CITY CENTER BLVD	J CLYDE MORRIS BLVD		0.0	4.4	55.2	31.5	1.21	1.17	0.0	0.1	464	0.0	0.0	0.3	0.0	1.48	1.44
NN	JEFFERSON AVE	J CLYDE MORRIS BLVD	HARPERSVILLE RD		1.7	2.3	53.5	26.1	1.25	1.20	0.3	0.1	673	0.0	0.0	0.7	0.3	1.80	1.51
NN	JEFFERSON AVE	HARPERSVILLE RD	MAIN ST		4.0	2.8	23.3	16.6	1.22	1.18	0.1	0.0	857	0.1	0.0	0.3	0.0	1.72	1.45
NN	JEFFERSON AVE	MAIN ST	CENTER AVE		1.7	2.3	16.0	36.8	1.14	1.29	0.0	0.0	817	0.0	0.1	0.2	0.5	1.46	1.82
NN	JEFFERSON AVE	CENTER AVE	MERCURY BLVD		3.9	6.3	85.4	32.8	1.41	1.26	0.0	0.0	700	0.1	0.2	1.1	0.4	2.09	1.74
NN	JEFFERSON AVE	MERCURY BLVD	BRIARFIELD RD		5.3	0.0	35.0	3.2	1.31	1.12	0.5	0.0	439	0.1	0.0	0.4	0.1	1.89	1.39
NN	JEFFERSON AVE	BRIARFIELD RD	41ST ST		1.5	0.6	4.3	3.5	1.11	1.10	0.0	0.0	362	0.0	0.0	0.1	0.0	1.39	1.43
NN	JEFFERSON AVE	41ST ST	35TH ST		1.5	3.2	5.4	19.6	1.17	1.40	0.0	0.0	171	0.0	0.1	0.1	0.2	2.09	2.10
NN	JEFFERSON AVE	35TH ST	25TH ST		3.1	6.4	20.3	69.1	1.37	1.80	0.5	2.7	245	0.1	0.3	0.4	1.5	2.12	3.26
NN	MAIN ST	WARWICK BLVD	JEFFERSON AVE		4.8	7.0	14.4	18.8	1.44	1.43	0.3	0.0	150	0.1	0.1	0.2	0.1	1.93	1.84

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NN	MAIN ST	JEFFERSON AVE	HAMPTON CL		1.0	1.6	5.4	6.3	1.16	1.17	0.0	0.0	126	0.0	0.0	0.0	0.1	1.45	1.45
NN	MCMANUS BLVD/SIEMENS WAY	DENBIGH BLVD	BLAND BLVD		-	-	-	-	-	-	-	-	81	-	-	-	-	-	-
NN	MERCURY BLVD/JAMES RIVER BR	ISLE OF WIGHT CL	RIVER RD		9.7	0.5	7.5	49.4	1.11	1.36	0.1	0.3	896	0.2	0.0	0.2	0.5	1.47	2.11
NN	MERCURY BLVD	RIVER RD	WARWICK BLVD		9.7	0.5	7.5	49.4	1.11	1.36	0.1	0.3	962	0.2	0.0	0.1	0.5	1.47	2.11
NN	MERCURY BLVD	WARWICK BLVD	JEFFERSON AVE		8.8	0.9	13.6	43.6	1.11	1.36	0.1	0.3	1,184	0.2	0.0	0.2	0.6	1.47	2.11
NN	MERCURY BLVD	JEFFERSON AVE	HAMPTON CL		0.2	10.3	36.8	60.4	1.24	1.29	0.0	0.3	640	0.0	0.1	0.2	0.4	1.72	1.92
NN	OYSTER POINT RD	WARWICK BLVD	JEFFERSON AVE		11.0	4.9	38.4	67.1	1.30	1.25	0.1	0.0	603	0.2	0.2	0.5	0.5	1.70	1.58
NN	OYSTER POINT RD	JEFFERSON AVE	CANON BLVD		12.4	15.0	51.5	121.0	1.34	1.37	0.1	0.0	740	0.3	0.3	0.5	2.6	1.88	1.94
NN	OYSTER POINT RD	CANON BLVD	I-64		2.0	56.6	0.0	147.7	1.10	1.64	0.0	3.6	849	0.0	0.9	0.0	3.7	1.27	3.16
NN	RICHNECK RD	DENBIGH BLVD	JEFFERSON AVE		-	-	-	-	-	-	-	-	40	-	-	-	-	-	-
NN	RICHNECK RD	JEFFERSON AVE	OLD YORK CL		-	-	-	-	-	-	-	-	57	-	-	-	-	-	-
NN	RICHNECK RD	OLD YORK CL	FORT EUSTIS BLVD		-	-	-	-	-	-	-	-	18	-	-	-	-	-	-
NN	ROANOKE AVE	I-664	43RD ST		0.6	0.4	3.3	0.9	1.29	1.13	0.1	0.0	40	0.0	0.0	0.1	0.0	1.93	1.68
NN	ROANOKE AVE	43RD ST	BRIARFIELD RD		0.6	0.4	3.3	0.9	1.29	1.13	0.1	0.0	40	0.0	0.0	0.1	0.0	1.93	1.68
NN	ROANOKE AVE	BRIARFIELD RD	HAMPTON CL		0.9	0.0	3.0	0.8	1.29	1.20	0.1	0.0	57	0.1	0.0	0.0	0.0	2.04	1.94
NN	SAUNDERS RD	HARPERSVILLE RD	HAMPTON CL		1.1	0.6	3.1	1.5	1.11	1.07	0.0	0.0	188	0.0	0.0	0.0	0.0	1.30	1.41
NN	SHELLABARGER DR	FORT EUSTIS	WARWICK BLVD		-	-	-	-	-	-	-	-	0	-	-	-	-	-	-
NN	THIMBLE SHOALS BLVD	JEFFERSON AVE	DILIGENCE DR		-	-	-	-	-	-	-	-	86	-	-	-	-	-	-
NN	THIMBLE SHOALS BLVD	DILIGENCE DR	J CLYDE MORRIS BLVD		-	-	-	-	-	-	-	-	92	-	-	-	-	-	-
NN	VICTORY BLVD	I-64	YORK CL		14.8	1.1	127.7	16.0	1.35	1.18	0.4	0.0	636	0.3	0.0	1.1	0.2	1.91	1.45
NN	WARWICK BLVD	JAMES CITY CL	YORKTOWN RD		1.6	1.4	1.8	5.3	1.09	1.10	0.0	0.0	972	0.1	0.1	0.0	0.2	1.31	1.39
NN	WARWICK BLVD	YORKTOWN RD	FORT EUSTIS BLVD		8.3	2.3	13.4	9.5	1.19	1.14	0.0	0.0	1,393	0.5	0.2	0.6	0.5	1.65	1.54
NN	WARWICK BLVD	FORT EUSTIS BLVD	SNIDOW BLVD		5.0	6.1	30.3	28.6	1.18	1.21	0.0	0.0	515	0.1	0.1	0.4	0.5	1.50	1.52
NN	WARWICK BLVD	SNIDOW BLVD	DENBIGH BLVD		7.5	8.2	36.3	42.6	1.18	1.21	0.0	0.0	672	0.2	0.1	0.5	0.4	1.50	1.52
NN	WARWICK BLVD	DENBIGH BLVD	BLAND BLVD		13.5	8.9	65.0	101.5	1.32	1.41	0.0	0.0	559	0.2	0.1	0.7	0.8	1.74	2.50
NN	WARWICK BLVD	BLAND BLVD	OYSTER POINT RD		4.3	6.1	65.5	60.7	1.29	1.26	0.0	0.0	560	0.1	0.1	0.8	0.5	1.87	1.59
NN	WARWICK BLVD	OYSTER POINT RD	MAXWELL LN		5.4	4.9	31.7	21.0	1.27	1.21	0.0	0.1	399	0.1	0.1	0.2	0.2	1.76	1.57
NN	WARWICK BLVD	MAXWELL LN	DEEP CREEK RD		5.4	4.9	31.7	21.0	1.27	1.21	0.0	0.1	399	0.1	0.1	0.2	0.2	1.76	1.57
NN	WARWICK BLVD	DEEP CREEK RD	J CLYDE MORRIS BLVD		5.4	5.0	30.6	23.0	1.27	1.21	0.0	0.1	325	0.1	0.1	0.2	0.2	1.76	1.57
NN	WARWICK BLVD	J CLYDE MORRIS BLVD	HARPERSVILLE RD		4.4	1.7	10.5	12.2	1.16	1.11	0.2	0.0	284	0.0	0.0	0.1	0.1	1.48	1.37
NN	WARWICK BLVD	HARPERSVILLE RD	MAIN ST		0.6	0.9	8.3	21.9	1.14	1.12	0.0	0.0	243	0.0	0.0	0.1	0.1	1.42	1.34
NN	WARWICK BLVD	MAIN ST	CENTER AVE		2.8	1.4	13.0	8.6	1.21	1.09	0.0	0.0	322	0.0	0.0	0.2	0.1	1.59	1.36
NN	WARWICK BLVD	CENTER AVE	MERCURY BLVD		2.8	1.4	13.0	8.6	1.21	1.09	0.0	0.0	322	0.0	0.0	0.2	0.1	1.59	1.36
NN	WARWICK BLVD	MERCURY BLVD	HUNTINGTON AVE		24.7	1.9	11.5	33.2	1.26	1.19	0.0	0.0	265	0.1	0.0	0.2	0.2	2.57	2.01
NN	WARWICK BLVD	23RD ST	39TH ST		0.0	-	0.0	-	1.24	-	0.0	-	43	0.0	-	0.0	-	2.07	-
NN	WARWICK BLVD	39TH ST	HUNTINGTON AVE		0.0	-	0.0	-	1.26	-	0.0	-	154	0.0	-	0.0	-	2.57	-
NN	YORKTOWN RD	WARWICK BLVD	I-64		1.0	2.0	1.2	1.6	1.08	1.20	0.0	0.2	414	0.1	0.1	0.0	0.1	1.41	1.77
NN	YORKTOWN RD	I-64	JEFFERSON AVE		29.3	10.2	33.5	13.5	1.58	1.37	2.1	0.0	283	0.8	0.3	0.5	0.2	2.84	6.05
NN	YORKTOWN RD	JEFFERSON AVE	CRAWFORD RD		0.5	1.2	0.3	1.2	1.04	1.07	0.0	0.1	276	0.0	0.0	0.0	0.0	1.11	1.22
NN	YORKTOWN RD	CRAWFORD RD	YORK CL		0.6	1.0	0.2	1.4	1.04	1.07	0.0	0.1	235	0.0	0.0	0.0	0.0	1.11	1.22
NOR	21ST ST	HAMPTON BLVD	COLLEY AVE		3.9	0.9	11.1	1.2	1.26	1.23	0.0	0.0	51	0.0	0.0	0.1	0.0	1.66	1.89
NOR	21ST ST	COLLEY AVE	LLEWELLYN ST		0.6	1.0	35.9	21.0	1.20	1.22	0.0	0.0	88	0.0	0.0	0.2	0.1	1.50	1.54
NOR	21ST ST	LLEWELLYN ST	MONTICELLO AVE		0.2	0.0	18.0	9.1	1.28	1.33	0.0	0.0	66	0.0	0.0	0.1	0.0	1.74	1.86
NOR	26TH ST	HAMPTON BLVD	COLLEY AVE		5.4	-	7.9	-	1.35	-	0.1	-	106	0.1	-	0.2	-	1.90	-
NOR	26TH ST	COLLEY AVE	LLEWELLYN AVE		1.9	-	9.6	-	1.17	-	0.0	-	257	0.0	-	0.2	-	1.41	-
NOR	26TH ST	LLEWELLYN AVE	MONTICELLO AVE		1.9	-	9.9	-	1.17	-	0.0	-	269	0.0	-	0.2	-	1.41	-
NOR	26TH ST	MONTICELLO AVE	CHURCH ST		22.0	-	7.3	-	1.59	-	3.1	-	265	0.8	-	0.2	-	2.60	-
NOR	26TH ST	CHURCH ST	27TH ST		1.7	-	14.7	-	1.21	-	0.0	-	223	0.1	-	0.5	-	1.56	-
NOR	27TH ST	HAMPTON BLVD	COLLEY AVE		-	16.6	-	15.8	-	1.34	-	0.0	230	-	0.6	-	0.3	-	1.82
NOR	27TH ST	COLLEY AVE	LLEWELLYN AVE		-	1.9	-	11.1	-	1.20	-	0.1	230	-	0.1	-	0.2	-	1.47
NOR	27TH ST	LLEWELLYN AVE	MONTICELLO AVE		-	2.0	-	11.7	-	1.20	-	0.1	248	-	0.1	-	0.2	-	1.47
NOR	27TH ST	MONTICELLO AVE	CHURCH ST		-	39.2	-	71.3	-	1.60	-	3.0	248	-	1.2	-	1.2	-	2.41
NOR	27TH ST	CHURCH ST	26TH ST		-	2.2	-	0.1	-	1.12	-	0.0	248	-	0.1	-	0.0	-	1.35
NOR	38TH ST	HAMPTON BLVD	COLLEY AVE		1.3	1.2	9.5	7.0	1.26	1.35	0.0	0.0	78	0.0	0.0	0.1	0.1	1.88	1.79
NOR	38TH ST	COLLEY AVE	LLEWELLYN AVE		0.2	5.6	9.5	9.1	1.21	1.18	0.0	0.0	101	0.0	0.1	0.1	0.1	1.51	1.42
NOR	38TH ST	LLEWELLYN AVE	GRANBY ST		0.2	1.5	6.3	2.7	1.21	1.18	0.0	0.0	50	0.0	0.0	0.0	0.0	1.51	1.42

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	4TH VIEW ST	I-64	OCEAN VIEW AVE		10.8	14.2	11.4	136.5	1.57	2.50	1.0	2.0	214	0.2	0.3	0.1	4.6	2.71	6.01
NOR	ADMIRAL TAUSSIG BLVD	HAMPTON BLVD	I-564		3.2	71.4	34.7	22.4	1.30	1.50	0.0	0.8	1,283	0.4	1.6	0.4	1.0	1.74	2.51
NOR	AZALEA GARDEN RD	VA BEACH BLVD	PRINCESS ANNE RD		5.0	4.8	2.5	3.6	1.19	1.23	0.1	0.0	416	0.3	0.2	0.0	0.1	1.74	1.64
NOR	AZALEA GARDEN RD	PRINCESS ANNE RD	SEWELLS POINT RD		0.8	2.8	9.8	6.6	1.21	1.21	0.1	0.0	584	0.0	0.1	0.1	0.2	1.49	1.51
NOR	AZALEA GARDEN RD	SEWELLS POINT RD	ROBIN HOOD RD		0.4	1.8	4.4	3.5	1.21	1.21	0.1	0.0	273	0.0	0.1	0.1	0.1	1.49	1.51
NOR	AZALEA GARDEN RD	ROBIN HOOD RD	I-64		1.7	2.5	9.9	6.1	1.29	1.27	0.2	0.1	292	0.1	0.1	0.1	0.3	1.77	1.74
NOR	AZALEA GARDEN RD	I-64	MILITARY HWY		1.7	2.6	9.9	6.3	1.29	1.27	0.2	0.1	265	0.1	0.1	0.1	0.2	1.77	1.74
NOR	AZALEA GARDEN RD	MILITARY HWY	NORVIEW AVE		2.0	10.0	8.2	15.6	1.18	1.31	0.0	0.4	403	0.1	0.3	0.1	0.3	1.60	1.83
NOR	AZALEA GARDEN RD	NORVIEW AVE	LITTLE CREEK RD		1.5	1.3	6.1	1.0	1.13	1.08	0.0	0.0	403	0.1	0.0	0.1	0.0	1.37	1.26
NOR	BAINBRIDGE BLVD	CHESAPEAKE CL	S MAIN ST		-	-	-	-	-	-	-	-	114	-	-	-	-	-	-
NOR	BALLENTINE BLVD	I-264	VA BEACH BLVD		14.0	18.3	31.5	65.2	1.32	1.36	0.4	0.4	1,470	0.9	1.8	1.2	2.1	1.77	1.82
NOR	BALLENTINE BLVD	VA BEACH BLVD	PRINCESS ANNE RD		8.5	9.5	28.6	22.2	1.39	1.36	0.0	0.0	551	0.6	0.5	0.6	0.6	1.76	1.75
NOR	BALLENTINE BLVD	PRINCESS ANNE RD	CHESAPEAKE BLVD		0.3	2.1	4.9	6.4	1.14	1.18	0.0	0.0	435	0.0	0.1	0.1	0.2	1.41	1.45
NOR	BAY AVE	FIRST VIEW ST	I-64		-	-	-	-	-	-	-	-	127	-	-	-	-	-	-
NOR	BAY AVE/OCEAN AVE	I-64	GRANBY ST		-	-	-	-	-	-	-	-	25	-	-	-	-	-	-
NOR	BAYVIEW BLVD	GRANBY ST	TIDEWATER DR		1.1	13.2	17.2	8.7	1.32	1.45	0.1	0.1	146	0.0	0.2	0.1	0.1	1.83	1.93
NOR	BAYVIEW BLVD	TIDEWATER DR	CHESAPEAKE BLVD		2.0	10.8	17.3	8.5	1.29	1.30	0.1	0.1	109	0.1	0.1	0.1	0.1	1.76	1.85
NOR	BAYVIEW BLVD	CHESAPEAKE BLVD	CAPE VIEW AVE		0.8	0.8	2.6	3.5	1.11	1.17	0.0	0.0	58	0.0	0.0	0.0	0.0	1.50	1.45
NOR	BERKLEY AVE	I-464	STATE ST		23.9	40.9	43.2	9.6	1.43	1.46	0.0	0.0	434	1.3	1.6	0.5	1.1	2.13	2.51
NOR	BERKLEY AVE	STATE ST	MAIN ST		13.0	46.3	20.6	27.0	1.43	1.46	0.0	0.0	514	0.6	1.6	0.5	0.9	2.13	2.51
NOR	BERKLEY AVE	MAIN ST	BERKLEY AVE EXT		0.9	9.7	2.9	4.0	1.13	1.14	0.0	0.0	415	0.1	0.3	0.1	0.1	1.39	1.37
NOR	BERKLEY AVE	BERKLEY AVE EXT	INDIAN RIVER RD		0.9	9.7	2.9	4.0	1.13	1.14	0.0	0.0	372	0.1	0.3	0.1	0.1	1.39	1.37
NOR	BERKLEY AVE EXT	BERKLEY AVE/FAUQUIER ST	WILSON RD		-	-	-	-	-	-	-	-	121	-	-	-	-	-	-
NOR	BERKLEY AVE EXT	WILSON RD	CAMPOSTELLA RD		-	-	-	-	-	-	-	-	119	-	-	-	-	-	-
NOR	BOUSH ST/WATERSIDE DR	ST PAULS BLVD	CITY HALL AVE		0.0	0.3	20.0	22.0	1.24	1.23	0.0	0.0	407	0.0	0.0	0.7	0.4	1.56	1.53
NOR	BOUSH ST	CITY HALL AVE	BUTE STREET		1.0	0.2	24.1	8.4	1.25	1.22	0.1	0.0	397	0.0	0.0	0.6	0.2	1.56	1.50
NOR	BOUSH ST	BUTE STREET	BRAMBLETON AVE		1.0	0.2	24.1	8.4	1.25	1.22	0.1	0.0	397	0.0	0.0	0.6	0.2	1.56	1.50
NOR	BOUSH ST	BRAMBLETON AVE	OLNEY RD		8.2	6.6	17.8	18.9	1.52	1.51	1.1	1.1	56	0.1	0.0	0.1	0.1	2.44	2.64
NOR	BOUSH ST	OLNEY RD	VA BEACH BLVD		8.2	6.6	17.8	18.9	1.52	1.51	1.1	1.1	56	0.1	0.0	0.1	0.1	2.44	2.64
NOR	BRAMBLETON AVE	HAMPTON BLVD	COLLEY AVE		30.5	2.1	35.8	11.5	1.41	1.14	0.0	0.0	1,278	1.5	0.1	0.8	0.2	2.20	1.51
NOR	BRAMBLETON AVE	COLLEY AVE	BOUSH ST		16.5	0.8	42.3	33.3	1.28	1.27	0.0	0.2	1,634	0.8	0.0	0.8	0.6	1.69	1.71
NOR	BRAMBLETON AVE	BOUSH ST	MONTICELLO AVE		50.2	21.7	27.8	144.3	1.28	1.36	0.0	0.0	1,321	2.4	1.4	0.6	2.2	1.72	2.08
NOR	BRAMBLETON AVE	MONTICELLO AVE	ST PAULS BLVD		50.2	21.7	27.8	144.3	1.28	1.36	0.0	0.0	1,321	2.4	1.4	0.6	2.2	1.72	2.08
NOR	BRAMBLETON AVE	ST PAULS BLVD	CHURCH ST		29.2	16.2	59.6	13.3	1.38	1.29	0.5	0.0	765	1.1	0.7	1.9	0.4	2.33	1.77
NOR	BRAMBLETON AVE	CHURCH ST	TIDEWATER DR		43.7	24.4	78.3	21.9	1.38	1.29	0.5	0.0	1,185	1.7	1.1	2.9	0.6	2.33	1.77
NOR	BRAMBLETON AVE	TIDEWATER DR	PARK AVE		10.9	43.0	39.2	130.4	1.25	1.46	0.0	0.6	1,296	0.4	1.7	1.2	3.4	1.67	2.26
NOR	BRAMBLETON AVE	PARK AVE	I-264		13.4	52.0	46.2	183.5	1.25	1.46	0.0	0.6	1,678	0.0	0.0	0.0	0.0	1.67	2.26
NOR	CAMPOSTELLA RD	SCL NORFOLK/BERKLEY AVE EXT	INDIAN RIVER RD		12.6	2.9	9.8	5.8	1.23	1.17	0.0	0.0	760	0.5	0.2	0.3	0.2	1.50	1.41
NOR	CAMPOSTELLA RD	INDIAN RIVER RD	WILSON RD		15.4	26.5	9.7	179.4	1.42	1.53	0.5	3.0	997	0.5	1.6	0.3	5.0	2.19	2.19
NOR	CAMPOSTELLA RD	WILSON RD	S. END CAMPOSTELLA BRIDGE		14.6	22.0	17.8	132.1	1.19	1.35	0.0	0.0	1,634	0.7	0.7	0.7	2.2	1.85	1.90
NOR	CAMPOSTELLA RD	S. END CAMPOSTELLA BRIDGE	KIMBALL TERR		36.0	2.4	47.1	12.3	1.55	1.11	0.7	0.0	1,634	1.8	0.1	1.9	0.2	2.33	1.33
NOR	CAMPOSTELLA RD	KIMBALL TERR	I-264		36.0	2.4	47.1	12.3	1.55	1.11	0.7	0.0	1,634	1.8	0.1	1.9	0.2	2.33	1.33
NOR	CAPE VIEW AVE	BAYVIEW BLVD	OCEAN VIEW AVE		-	-	-	-	-	-	-	-	60	-	-	-	-	-	-
NOR	CHESAPEAKE BLVD	LAFAYETTE BLVD	CROMWELL DR		44.0	13.0	90.3	69.2	2.25	1.83	4.0	4.0	366	0.8	0.3	1.6	0.9	4.60	3.33
NOR	CHESAPEAKE BLVD	CROMWELL DR	ROBIN HOOD RD		5.0	3.1	14.9	5.5	1.18	1.13	0.1	0.1	366	0.1	0.1	0.3	0.1	1.47	1.37
NOR	CHESAPEAKE BLVD	ROBIN HOOD RD	HYDE CIR		5.0	3.1	14.9	5.5	1.18	1.13	0.1	0.1	366	0.1	0.1	0.3	0.1	1.47	1.37
NOR	CHESAPEAKE BLVD	HYDE CIR	NORVIEW AVE		5.0	3.1	14.9	5.5	1.18	1.13	0.1	0.1	366	0.1	0.1	0.3	0.1	1.47	1.37
NOR	CHESAPEAKE BLVD	NORVIEW AVE	I-64		5.7	13.0	7.0	18.7	1.18	1.37	0.0	0.0	484	0.4	0.2	0.2	0.3	1.53	1.82
NOR	CHESAPEAKE BLVD	I-64	JOHNSTONS RD		12.5	7.4	98.7	6.0	1.44	1.22	0.0	0.0	491	0.5	0.1	1.6	0.1	1.99	1.49
NOR	CHESAPEAKE BLVD	JOHNSTONS RD	LITTLE CREEK RD		12.5	7.4	98.7	6.0	1.44	1.22	0.0	0.0	491	0.5	0.1	1.6	0.1	1.99	1.49
NOR	CHESAPEAKE BLVD	LITTLE CREEK RD	SHEPPARD AVE		0.5	6.1	11.3	14.2	1.16	1.13	0.0	0.0	465	0.0	0.1	0.2	0.3	1.40	1.34
NOR	CHESAPEAKE BLVD	SHEPPARD AVE	BAYVIEW BLVD		0.5	6.1	11.3	14.2	1.16	1.13	0.0	0.0	465	0.0	0.1	0.2	0.3	1.40	1.34
NOR	CHESAPEAKE BLVD	BAYVIEW BLVD	CHESAPEAKE ST		0.2	2.8	5.0	7.1	1.16	1.13	0.0	0.0	257	0.0	0.0	0.1	0.1	1.40	1.34
NOR	CHESAPEAKE BLVD	CHESAPEAKE ST	OCEAN VIEW AVE		0.1	0.9	2.6	4.2	1.16	1.13	0.0	0.0	113	0.0	0.0	0.0	0.1	1.40	1.34
NOR	CHURCH ST	BRAMBLETON AVE	VA BEACH BLVD		14.0	20.8	76.6	139.2	1.79	1.79	1.1	2.2	392	0.5	0.5	1.2	2.3	3.51	3.47
NOR	CHURCH ST	VA BEACH BLVD	PRINCESS ANNE RD		3.6	2.6	4.5	17.5	1.19	1.20	0.0	0.0	408	0.1	0.1	0.1	0.2	1.46	1.51

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	CHURCH ST	PRINCESS ANNE RD	26TH ST		5.6	2.2	6.3	19.2	1.19	1.20	0.0	0.0	576	0.2	0.1	0.1	0.3	1.46	1.51
NOR	CHURCH ST	26TH ST	27TH ST		15.8	5.6	27.4	29.5	1.53	1.50	2.0	1.0	367	0.5	0.2	0.4	0.5	2.53	2.56
NOR	CHURCH ST	27TH ST	MONTICELLO AVE		5.5	1.1	10.1	17.8	1.35	1.28	0.2	0.0	282	0.2	0.0	0.2	0.3	1.89	1.80
NOR	CHURCH ST	MONTICELLO AVE	GRANBY ST		0.2	1.7	20.5	12.4	1.20	1.19	0.0	0.0	667	0.0	0.1	0.3	0.3	1.57	1.49
NOR	CITY HALL AVE	BOUSH ST	GRANBY ST		1.8	2.1	22.9	20.9	1.25	1.27	0.1	0.1	154	0.0	0.0	0.3	0.4	1.57	1.56
NOR	CITY HALL AVE	GRANBY ST	MONTICELLO AVE		1.8	2.1	22.9	20.9	1.25	1.27	0.1	0.1	154	0.0	0.0	0.3	0.4	1.57	1.56
NOR	CITY HALL AVE	MONTICELLO AVE	ST PAULS BLVD		1.8	2.1	22.9	20.9	1.25	1.27	0.1	0.1	183	0.0	0.0	0.4	0.5	1.57	1.56
NOR	COLLEY AVE	BRAMBLETON AVE	OLNEY RD		10.6	2.5	5.8	25.2	1.21	1.28	0.2	0.2	125	0.1	0.0	0.1	0.2	1.59	1.81
NOR	COLLEY AVE	OLNEY RD	PRINCESS ANNE RD		4.9	2.3	8.6	10.5	1.21	1.28	0.2	0.2	102	0.1	0.0	0.1	0.1	1.59	1.81
NOR	COLLEY AVE	PRINCESS ANNE RD	21ST ST		1.9	0.2	38.2	20.1	1.22	1.19	0.0	0.0	112	0.0	0.0	0.3	0.2	1.62	1.53
NOR	COLLEY AVE	21ST ST	26TH ST		3.2	3.9	31.3	36.1	1.31	1.38	0.0	0.0	116	0.0	0.0	0.3	0.3	1.73	2.00
NOR	COLLEY AVE	26TH ST	27TH ST		9.3	20.3	30.5	76.8	1.56	1.72	3.0	4.0	116	0.1	0.2	0.2	0.5	2.44	2.90
NOR	COLLEY AVE	27TH ST	38TH ST		0.6	0.5	2.8	12.2	1.11	1.13	0.0	0.0	112	0.0	0.0	0.0	0.1	1.31	1.42
NOR	COLLEY AVE	38TH ST	53RD ST		0.6	0.5	2.8	12.2	1.11	1.13	0.0	0.0	112	0.0	0.0	0.0	0.1	1.31	1.42
NOR	CROMWELL DR	TAIT TERRACE DR	CHESAPEAKE BLVD		5.6	4.3	12.3	1.1	1.30	1.13	0.1	0.0	555	0.3	0.1	0.2	0.0	1.92	1.52
NOR	CROMWELL DR	CHESAPEAKE BLVD	TIDEWATER DR		4.2	0.2	8.8	4.4	1.20	1.19	0.0	0.0	432	0.2	0.0	0.1	0.2	1.58	1.45
NOR	DUKE ST	OLNEY RD	BRAMBLETON AVE		2.0	6.5	2.5	9.5	1.33	1.22	0.0	0.2	143	0.1	0.2	0.1	0.1	2.41	1.82
NOR	GRANBY ST	CHURCH ST	38TH ST		0.2	1.7	20.5	12.4	1.20	1.19	0.0	0.0	270	0.0	0.0	0.1	0.1	1.57	1.49
NOR	GRANBY ST	38TH ST	LLEWELLYN AVE		5.2	0.6	25.6	12.9	1.21	1.16	0.0	0.0	270	0.1	0.0	0.1	0.1	1.54	1.39
NOR	GRANBY ST	LLEWELLYN AVE	WILLOW WOOD DRIVE		7.1	0.9	32.4	21.6	1.21	1.16	0.0	0.0	376	0.1	0.0	0.2	0.2	1.54	1.39
NOR	GRANBY ST	WILLOW WOOD DRIVE	THOLE ST		1.6	3.6	8.2	15.2	1.12	1.13	0.0	0.0	381	0.0	0.0	0.0	0.0	1.33	1.39
NOR	GRANBY ST	THOLE ST	LITTLE CREEK RD		10.2	14.4	58.5	37.9	1.30	1.28	0.0	0.0	293	0.1	0.1	0.4	0.3	1.67	1.69
NOR	GRANBY ST	LITTLE CREEK RD	I-564		7.5	13.8	46.9	35.4	1.30	1.28	0.0	0.0	256	0.1	0.1	0.3	0.2	1.67	1.69
NOR	GRANBY ST	I-564	I-64		1.4	12.8	13.1	21.4	1.13	1.34	0.0	0.0	266	0.0	0.0	0.0	0.0	1.89	2.02
NOR	GRANBY ST	I-64	BAYVIEW BLVD		6.6	15.4	19.9	3.2	1.15	1.13	0.0	0.0	264	0.2	0.2	0.1	0.0	1.93	1.72
NOR	GRANBY ST	BAYVIEW BLVD	BAY AVE		3.0	3.9	13.2	8.6	1.14	1.19	0.0	0.0	171	0.1	0.1	0.2	0.1	1.41	1.47
NOR	GRANBY ST	BAY AVE	TIDEWATER DR		3.0	3.9	13.2	8.6	1.14	1.19	0.0	0.0	171	0.1	0.1	0.2	0.1	1.41	1.47
NOR	GRANBY ST	TIDEWATER DR	OCEAN VIEW AVE		1.1	0.1	4.3	4.2	1.22	1.14	0.2	0.0	144	0.0	0.0	0.0	0.0	1.90	1.43
NOR	HAMPTON BLVD	BRAMBLETON AVE	PRINCESS ANNE RD		41.8	15.1	29.1	104.4	1.37	1.45	0.3	0.8	1,505	1.9	0.9	0.6	2.5	1.79	2.08
NOR	HAMPTON BLVD	PRINCESS ANNE RD	21ST ST		41.8	15.1	29.1	104.4	1.37	1.45	0.3	0.8	1,505	1.9	0.9	0.6	2.5	1.79	2.08
NOR	HAMPTON BLVD	21ST ST	26TH ST		10.9	3.3	10.0	124.5	1.24	1.42	0.0	0.0	1,718	0.5	0.2	0.2	2.2	1.93	2.91
NOR	HAMPTON BLVD	26TH ST	27TH ST		6.7	3.0	6.0	124.1	1.24	1.42	0.0	0.0	1,372	0.4	0.2	0.2	1.8	1.93	2.91
NOR	HAMPTON BLVD	27TH ST	38TH ST		2.6	17.6	9.3	76.0	1.20	1.31	0.0	0.0	1,372	0.2	1.1	0.3	1.1	1.50	1.80
NOR	HAMPTON BLVD	38TH ST	JAMESTOWN CRESCENT		3.4	19.3	15.1	65.1	1.20	1.31	0.0	0.0	1,568	0.2	1.3	0.3	1.4	1.50	1.80
NOR	HAMPTON BLVD	JAMESTOWN CRESCENT	LITTLE CREEK RD		17.0	0.1	18.2	0.3	1.21	1.11	0.2	0.0	1,568	0.8	0.0	0.4	0.0	1.63	1.33
NOR	HAMPTON BLVD	LITTLE CREEK RD	INTERNATIONAL TERMINAL BLVD		14.6	0.1	14.7	0.3	1.21	1.11	0.2	0.0	1,420	0.7	0.0	0.4	0.0	1.63	1.33
NOR	HAMPTON BLVD	INTERNATIONAL TERMINAL BLVD	INTERMODAL CONNECTOR		50.5	4.0	1.6	1.6	1.25	1.19	0.0	0.1	1,247	1.5	0.4	0.1	0.0	1.99	1.47
NOR	HAMPTON BLVD	INTERMODAL CONNECTOR	ADM TAUSSIG BLVD		50.5	4.0	1.6	1.6	1.25	1.19	0.0	0.1	1,247	1.5	0.4	0.1	0.0	1.99	1.47
NOR	I-64/HRBT	HAMPTON CL	OCEAN VIEW AVE	EB	43.0	-	76.2	-	1.37	-	0.6	-	1,684	1.4	-	1.5	-	1.96	-
				WB	-	39.4	-	120.8	-	1.35	-	0.2	1,335	-	1.2	-	2.2	-	2.85
NOR	I-64	OCEAN VIEW AVE	4TH VIEW AVE	EB	2.4	-	7.8	-	1.04	-	0.0	-	1,684	0.1	-	0.2	-	1.10	-
				WB	-	39.8	-	227.0	-	2.25	-	2.1	1,335	-	0.0	-	0.0	-	3.13
NOR	I-64	4TH VIEW AVE	BAY AVE	EB	4.1	-	27.4	-	1.04	-	0.0	-	1,590	0.1	-	0.5	-	1.17	-
				WB	-	35.3	-	408.9	-	3.40	-	1.6	1,255	-	1.1	-	10.2	-	5.46
NOR	I-64	BAY AVE	GRANBY ST	EB	0.1	-	11.6	-	1.05	-	0.0	-	1,756	0.0	-	0.2	-	1.17	-
				WB	-	27.0	-	316.2	-	4.08	-	1.6	1,289	-	0.8	-	9.5	-	6.74
NOR	I-64	GRANBY ST	I-564/LITTLE CREEK RD	EB	0.0	-	18.3	-	1.02	-	0.0	-	1,756	0.0	-	0.3	-	1.19	-
				WB	-	18.2	-	200.7	-	3.31	-	1.0	1,289	-	0.6	-	6.0	-	9.62
NOR	I-64	I-564/LITTLE CREEK RD	TIDEWATER DR	REV	0.0	6.3	1.7	0.0	1.00	1.00	0.0	0.0	59	0.0	0.0	0.0	0.0	0.00	0.00
				EB	5.1	-	123.8	-	1.08	-	0.0	-	2,181	0.2	-	3.5	-	2.65	-
				WB	-	21.5	-	31.5	-	1.05	-	0.0	1,908	-	0.6	-	0.6	-	2.34
NOR	I-64	TIDEWATER DR	CHESAPEAKE BLVD	REV	0.0	3.5	2.3	0.0	1.00	1.00	0.0	0.0	59	0.0	0.0	0.0	0.0	0.00	0.00
				EB	34.5	-	156.6	-	1.18	-	0.0	-	1,850	0.9	-	3.5	-	2.70	-
				WB	-	63.9	-	2.9	-	1.04	-	0.0	1,896	-	0.2	-	0.0	-	2.16
NOR	I-64	CHESAPEAKE BLVD	NORVIEW AVE	REV	0.0	2.8	2.0	0.0	1.00	1.00	0.0	0.0	59	0.0	0.0	0.0	0.0	0.00	0.00
				EB	53.4	-	159.0	-	1.45	-	0.2	-	2,326	1.7	-	4.1	-	2.56	-
				WB	-	62.9	-	4.1	-	1.05	-	0.0	1,914	-	1.6	-	0.0	-	1.58

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	I-64	NORVIEW AVE	MILITARY HWY	REV	0.0	0.5	2.0	0.0	1.00	1.00	0.0	0.0	59	0.0	0.0	0.0	0.0	0.00	0.00
				EB	23.8	-	95.5	-	1.24	-	0.0	-	2,242	0.7	-	2.5	-	2.01	-
				WB	-	31.9	-	0.5	-	1.04	-	0.0	2,123	-	1.0	-	0.0	-	1.18
NOR	I-64	MILITARY HWY	NORTHAMPTON BLVD	REV	0.0	0.6	1.3	0.0	1.00	1.00	0.0	0.0	59	0.0	0.0	0.0	0.0	0.00	0.00
				EB	16.1	-	107.0	-	1.18	-	0.0	-	1,972	0.4	-	2.4	-	2.47	-
				WB	-	25.9	-	5.0	-	1.05	-	0.0	2,287	-	0.8	-	0.1	-	1.20
NOR	I-64	NORTHAMPTON BLVD	I-264	REV	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	66	0.0	0.0	0.0	0.0	0.00	0.00
				EB	31.1	-	101.1	-	1.27	-	0.2	-	2,622	1.0	-	2.6	-	1.79	-
				WB	-	24.8	-	33.8	-	1.05	-	0.0	2,820	-	0.7	-	0.6	-	1.44
NOR	I-64	I-264	VA BEACH CL	EB	0.1	-	31.6	-	1.12	-	0.0	-	2,477	0.0	-	0.6	-	1.76	-
				WB	-	75.2	-	197.5	-	1.72	-	1.5	2,313	-	2.2	-	3.7	-	2.77
NOR	I-264/DOWNTOWN TUNNEL	PORTSMOUTH CL	I-464	EB	87.7	-	130.9	-	1.69	-	2.0	-	2,881	7.1	-	7.3	-	2.41	-
				WB	-	32.8	-	125.3	-	1.35	-	0.3	2,814	-	2.1	-	7.0	-	1.76
NOR	I-264/BERKLEY BRIDGE	I-464	WATERSIDE/CITY HALL/TIDEWATER	EB	23.5	-	44.5	-	1.16	-	0.2	-	1,154	0.5	-	0.6	-	1.33	-
				WB	-	37.9	-	227.2	-	2.26	-	1.0	1,258	-	0.6	-	3.5	-	2.92
NOR	I-264	WATERSIDE/CITY HALL/TIDEWATER	BRAMBLETON AVE	EB	0.0	-	17.7	-	1.08	-	0.0	-	1,129	0.0	-	0.1	-	1.13	-
				WB	-	17.7	-	236.2	-	2.67	-	1.0	1,307	-	0.3	-	3.8	-	4.06
NOR	I-264	BRAMBLETON AVE	BALLENTINE BLVD	EB	2.3	-	31.0	-	1.04	-	0.0	-	1,478	0.1	-	0.2	-	1.19	-
				WB	-	2.1	-	62.2	-	1.20	-	0.0	1,799	-	0.0	-	0.8	-	2.02
NOR	I-264	BALLENTINE BLVD	MILITARY HWY	EB	0.0	-	56.6	-	1.05	-	0.0	-	1,464	0.0	-	0.4	-	1.63	-
				WB	-	6.4	-	2.6	-	1.05	-	0.0	1,736	-	0.1	-	0.0	-	1.12
NOR	I-264	MILITARY HWY	I-64	EB	3.6	-	90.5	-	1.16	-	0.0	-	1,505	0.2	-	1.1	-	2.42	-
				WB	-	7.1	-	1.6	-	1.04	-	0.0	1,729	-	0.2	-	0.1	-	1.08
NOR	I-264	I-64	NEWTOWN RD/WCL VA. BEACH	EB	23.6	-	222.7	-	1.20	-	0.0	-	2,240	0.5	-	2.1	-	2.40	-
				WB	-	13.3	-	207.0	-	1.11	-	0.0	2,231	-	0.2	-	2.8	-	2.68
NOR	I-464	CHESAPEAKE CL	SOUTH MAIN ST	NB	91.5	-	5.7	-	1.61	-	1.0	-	1,610	4.5	-	0.2	-	3.61	-
				SB	-	0.3	-	0.0	-	1.04	-	0.0	1,469	-	0.0	-	0.0	-	1.11
NOR	I-464	SOUTH MAIN ST	I-264	NB	131.4	-	48.7	-	2.40	-	1.0	-	1,480	5.1	-	1.5	-	3.46	-
				SB	-	1.3	-	2.6	-	1.05	-	0.0	1,514	-	0.1	-	0.1	-	1.14
NOR	I-564	ADMIRAL TAUSSIG BLVD	INTERMODAL CONNECTOR	NB	151.4	-	0.0	-	2.24	-	1.0	-	424	2.5	-	0.0	-	4.07	-
				SB	-	0.8	-	3.3	-	1.05	-	0.0	362	-	0.0	-	0.0	-	1.16
NOR	I-564	INTERMODAL CONNECTOR	INTERNATIONAL TERMINAL BLVD	NB	151.4	-	0.0	-	2.24	-	1.0	-	424	2.5	-	0.0	-	4.07	-
				SB	-	0.8	-	3.3	-	1.05	-	0.0	362	-	0.0	-	0.0	-	1.16
NOR	I-564	INTERNATIONAL TERMINAL BLVD	I-64	NB	61.8	-	0.0	-	1.10	-	0.0	-	779	1.2	-	0.0	-	2.20	-
				SB	-	0.7	-	49.9	-	1.08	-	0.0	400	-	0.0	-	0.6	-	1.95
NOR	INDIAN RIVER RD	MARSH ST	WILSON RD		0.5	4.0	4.9	2.6	1.22	1.14	0.1	0.0	279	0.0	0.1	0.0	0.0	1.61	1.45
NOR	INDIAN RIVER RD	WILSON RD	CAMPOSTELLA RD		9.3	22.0	36.6	43.8	1.63	1.58	3.0	1.2	279	0.4	0.3	0.2	0.4	2.52	2.26
NOR	INDIAN RIVER RD	CAMPOSTELLA RD	CHESAPEAKE CL		4.5	11.6	10.8	7.9	1.21	1.19	0.0	0.0	799	0.3	0.5	0.3	0.2	1.52	1.45
NOR	INGLESIDE RD	VA BEACH BLVD	PRINCESS ANNE RD		10.0	13.9	14.6	14.0	1.30	1.27	0.0	0.2	542	0.5	0.5	0.3	0.5	1.72	1.70
NOR	INGLESIDE RD	PRINCESS ANNE RD	TAIT TERRACE DR		2.4	16.1	6.2	20.3	1.21	1.38	0.0	0.0	580	0.1	0.7	0.1	0.6	1.68	1.83
NOR	INTERNATIONAL TERMINAL BLVD	HAMPTON BLVD	I-564		1.8	20.6	18.7	9.6	1.16	1.23	0.0	0.1	883	0.1	0.9	0.8	0.1	1.41	1.67
NOR	JAMESTOWN CRESCENT	53RD ST	HAMPTON BLVD		0.4	0.3	1.7	7.5	1.11	1.13	0.0	0.0	68	0.0	0.0	0.0	0.1	1.31	1.42
NOR	JOHNSTONS RD	SEWELLS POINT RD	CHESAPEAKE BLVD		-	-	-	-	-	-	-	-	103	-	-	-	-	-	-
NOR	JOHNSTONS RD	CHESAPEAKE BLVD	MILITARY HWY		-	-	-	-	-	-	-	-	192	-	-	-	-	-	-
NOR	JOHNSTONS RD/HALPRIN LN	MILITARY HWY	LITTLE CREEK RD		-	-	-	-	-	-	-	-	86	-	-	-	-	-	-
NOR	KEMPSVILLE RD	NEWTOWN RD	VA BEACH BLVD		15.7	5.3	32.2	49.5	1.29	1.25	0.0	0.2	164	0.1	0.1	0.3	0.2	1.59	1.72
NOR	KEMPSVILLE RD	VA BEACH BLVD	NORTHAMPTON BLVD		5.7	4.0	6.0	18.4	1.12	1.14	0.1	0.0	96	0.1	0.0	0.0	0.1	1.34	1.36
NOR	LAFAYETTE BLVD	27TH ST	TIDEWATER DR		2.4	1.8	21.5	0.1	1.21	1.12	0.0	0.0	335	0.1	0.0	0.3	0.0	1.56	1.35
NOR	LAFAYETTE BLVD	TIDEWATER DR	CHESAPEAKE BLVD		0.0	2.9	9.7	13.1	1.17	1.25	0.1	0.0	336	0.0	0.1	0.1	0.2	1.44	1.61
NOR	LIBERTY ST	STATE ST	SOUTH MAIN ST		-	-	-	-	-	-	-	-	339	-	-	-	-	-	-
NOR	LIBERTY ST	SOUTH MAIN ST	CHESAPEAKE CL		-	-	-	-	-	-	-	-	489	-	-	-	-	-	-
NOR	LITTLE CREEK RD	HAMPTON BLVD	GRANBY ST		1.8	6.8	5.8	2.1	1.14	1.11	0.0	0.0	215	0.0	0.1	0.0	0.0	1.32	1.32
NOR	LITTLE CREEK RD	GRANBY ST	I-64		4.3	25.3	15.9	81.2	1.48	1.69	0.3	3.3	723	0.1	1.3	0.3	1.5	2.77	2.75
NOR	LITTLE CREEK RD	I-64	TIDEWATER DR		5.2	1.9	14.0	9.1	1.27	1.16	0.0	0.0	591	0.1	0.1	0.3	0.1	1.66	1.43
NOR	LITTLE CREEK RD	TIDEWATER DR	SEWELLS POINT RD		17.6	21.8	14.7	112.2	1.46	1.55	0.8	3.8	639	0.6	1.2	0.3	1.7	2.61	2.54
NOR	LITTLE CREEK RD	SEWELLS POINT RD	CHESAPEAKE BLVD		17.6	4.7	55.8	14.7	1.40	1.25	0.1	0.0	639	0.6	0.3	1.0	0.2	2.02	1.75

DRAFT

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LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	LITTLE CREEK RD	CHESAPEAKE BLVD	MILITARY HWY		28.2	28.0	102.8	162.0	1.66	1.83	3.7	4.0	1,080	1.1	1.4	1.8	3.0	2.68	2.95
NOR	LITTLE CREEK RD	MILITARY HWY	AZALEA GARDEN RD		1.9	1.6	19.3	18.6	1.23	1.19	0.0	0.1	604	0.1	0.1	0.3	0.4	1.82	1.62
NOR	LITTLE CREEK RD	AZALEA GARDEN RD	SHORE DR		7.5	1.5	17.8	6.6	1.26	1.15	0.0	0.0	492	0.2	0.0	0.2	0.1	1.62	1.38
NOR	LLEWELLYN AVE	VA BEACH BLVD	PRINCESS ANNE RD		1.2	1.8	12.5	7.5	1.26	1.25	0.0	0.5	58	0.0	0.0	0.0	0.1	1.84	1.83
NOR	LLEWELLYN AVE	PRINCESS ANNE RD	21ST ST		2.2	2.4	4.4	7.7	1.15	1.19	0.0	0.0	65	0.0	0.0	0.0	0.1	1.46	1.49
NOR	LLEWELLYN AVE	21ST ST	26TH ST		2.1	5.7	3.8	11.9	1.26	1.31	0.0	0.0	48	0.0	0.0	0.0	0.1	1.57	1.71
NOR	LLEWELLYN AVE	26TH ST	27TH ST		3.2	14.1	19.7	13.8	1.58	1.74	4.0	2.0	48	0.0	0.0	0.0	0.1	3.00	3.16
NOR	LLEWELLYN AVE	27TH ST	35TH ST		0.4	2.5	2.5	4.3	1.19	1.16	0.0	0.0	56	0.0	0.0	0.0	0.1	1.43	1.40
NOR	LLEWELLYN AVE	35TH ST	38TH ST		0.4	2.5	2.5	4.3	1.19	1.16	0.0	0.0	56	0.0	0.0	0.0	0.1	1.43	1.40
NOR	LLEWELLYN AVE	38TH ST	DELAWARE AVE		0.4	2.7	0.9	15.1	1.16	1.25	0.0	0.0	87	0.0	0.0	0.0	0.1	1.67	1.69
NOR	LLEWELLYN AVE	DELAWARE AVE	GRANBY ST		-	4.6	-	24.5	-	1.26	-	0.0	60	-	0.0	-	0.1	-	1.63
NOR	MIDTOWN TUNNEL	PORTSMOUTH CL	BRAMBLETON AVE		20.6	0.0	0.1	0.0	1.19	1.08	0.0	0.0	1,998	1.2	0.0	0.0	0.0	2.11	1.19
NOR	MILITARY HWY	VA BEACH CL	I-264		14.1	16.8	23.9	78.3	1.15	1.19	0.0	0.0	737	0.2	0.4	0.3	0.7	1.41	1.55
NOR	MILITARY HWY	I-264	VA BEACH BLVD		1.8	5.9	47.4	70.7	1.36	1.26	0.0	0.0	1,194	0.0	0.2	0.7	1.0	2.17	1.69
NOR	MILITARY HWY	VA BEACH BLVD	LOWERY RD		25.7	17.3	161.0	110.9	1.40	1.29	0.5	0.0	903	0.9	0.6	1.7	2.1	2.55	1.81
NOR	MILITARY HWY	LOWERY RD	PRIN ANNE RD/NORTHAMPTON BLVD		25.7	17.3	161.0	110.9	1.40	1.29	0.5	0.0	903	0.9	0.6	1.7	2.1	2.55	1.81
NOR	MILITARY HWY	PRIN ANNE RD/NORTHAMPTON BLVD	I-64		24.3	63.6	77.3	130.1	1.52	1.53	1.9	1.6	690	0.8	0.9	1.3	2.1	3.33	2.70
NOR	MILITARY HWY	I-64	AZALEA GARDEN RD		3.8	15.0	20.8	29.2	1.27	1.38	0.0	0.0	422	0.1	0.2	0.3	0.6	1.68	2.24
NOR	MILITARY HWY	AZALEA GARDEN RD	NORVIEW AVE		6.2	2.8	71.4	28.3	1.47	1.49	0.0	0.0	390	0.2	0.1	0.7	0.7	1.99	1.98
NOR	MILITARY HWY	NORVIEW AVE	JOHNSTONS RD		0.1	2.8	7.5	24.3	1.13	1.20	0.0	0.0	434	0.0	0.0	0.1	0.4	1.35	1.44
NOR	MILITARY HWY	JOHNSTONS RD	LITTLE CREEK RD		18.5	3.3	43.0	4.1	1.28	1.22	0.5	0.0	434	0.6	0.0	0.6	0.1	1.92	1.57
NOR	MONTICELLO AVE	CITY HALL AVE	BRAMBLETON AVE		0.1	0.4	2.4	5.4	1.11	1.22	0.0	0.0	36	0.0	0.0	0.0	0.0	1.29	1.40
NOR	MONTICELLO AVE	BRAMBLETON AVE	ST PAULS BLVD		0.0	0.0	0.0	0.9	1.44	1.41	0.8	0.0	56	0.0	0.0	0.0	0.0	1.71	2.15
NOR	MONTICELLO AVE	ST PAULS BLVD	VA BEACH BLVD		8.8	22.2	32.3	96.5	1.29	1.45	0.0	0.0	565	0.3	0.6	0.4	1.1	1.69	2.40
NOR	MONTICELLO AVE	VA BEACH BLVD	PRINCESS ANNE RD		6.9	17.4	28.7	80.0	1.29	1.45	0.0	0.0	476	0.2	0.6	0.4	1.0	1.69	2.40
NOR	MONTICELLO AVE	PRINCESS ANNE RD	21ST ST		9.3	6.4	22.8	47.0	1.28	1.32	0.0	0.0	476	0.3	0.2	0.4	0.6	1.69	2.00
NOR	MONTICELLO AVE	21ST ST	26TH ST		9.0	8.3	7.6	32.3	1.25	1.36	0.0	0.0	406	0.3	0.3	0.1	0.4	1.66	2.27
NOR	MONTICELLO AVE	26TH ST	27TH ST		9.0	8.3	7.6	32.3	1.25	1.36	0.0	0.0	406	0.3	0.3	0.1	0.4	1.66	2.27
NOR	MONTICELLO AVE	27TH ST	CHURCH ST		9.0	8.3	7.6	32.3	1.25	1.36	0.0	0.0	406	0.3	0.3	0.1	0.4	1.66	2.27
NOR	NEWTOWN RD	KEMPSVILLE RD	I-264		37.0	32.1	49.6	131.5	1.42	1.56	0.6	2.1	423	1.0	0.5	0.5	1.4	2.34	2.53
NOR	NEWTOWN RD	I-264	VA BEACH BLVD		24.5	20.8	176.2	137.9	1.64	1.50	1.0	0.5	513	0.8	0.3	1.6	1.5	2.43	2.38
NOR	NEWTOWN RD	VA BEACH BLVD	VA BEACH CL		3.7	54.7	44.4	95.4	1.21	1.29	0.0	0.0	538	0.0	0.9	0.3	1.6	1.52	1.68
NOR	NORTHAMPTON BLVD	MILITARY HWY	KEMPSVILLE RD		22.9	35.1	87.4	97.6	1.41	1.48	0.0	0.4	1,213	0.9	1.3	1.8	2.9	2.33	2.26
NOR	NORTHAMPTON BLVD	KEMPSVILLE RD	I-64		22.6	61.5	118.5	101.9	1.41	1.48	0.0	0.4	1,505	1.2	1.6	2.3	3.7	2.33	2.26
NOR	NORTHAMPTON BLVD	I-64	WESLEYAN DR/VA BEACH CL		52.3	78.9	65.9	127.5	1.22	1.38	0.2	0.0	3,526	2.2	2.2	1.5	4.8	1.69	2.06
NOR	NORVIEW AVE	TIDEWATER DR	CHESAPEAKE BLVD		0.0	0.8	0.2	4.0	1.13	1.20	0.1	0.2	72	0.0	0.0	0.0	0.1	1.62	1.67
NOR	NORVIEW AVE	CHESAPEAKE BLVD	I-64		12.2	10.0	19.5	49.9	1.29	1.41	0.0	1.5	450	0.2	0.3	0.4	0.6	1.97	1.91
NOR	NORVIEW AVE	I-64	MILITARY HWY		15.0	1.3	22.1	27.2	1.46	1.19	0.0	0.0	320	0.3	0.0	0.2	0.3	1.98	1.51
NOR	NORVIEW AVE	MILITARY HWY	AZALEA GARDEN RD		2.3	4.1	4.3	31.1	1.29	1.46	0.3	0.3	94	0.0	0.0	0.0	0.1	1.82	2.21
NOR	NORVIEW AVE	AZALEA GARDEN RD	NORFOLK INT AIRPORT		-	-	-	-	-	-	-	-	87	-	-	-	-	-	-
NOR	OCEAN VIEW AVE	4TH VIEW ST	TIDEWATER DR		5.1	4.6	9.5	18.4	1.19	1.22	0.1	0.0	147	0.1	0.0	0.1	0.1	1.59	1.63
NOR	OCEAN VIEW AVE	TIDEWATER DR	GRANBY ST		5.1	4.6	9.5	18.4	1.19	1.22	0.1	0.0	147	0.1	0.0	0.1	0.1	1.59	1.63
NOR	OCEAN VIEW AVE	GRANBY ST	CHESAPEAKE BLVD		3.0	1.5	13.1	4.9	1.17	1.19	0.0	0.0	191	0.0	0.0	0.1	0.1	1.51	1.48
NOR	OCEAN VIEW AVE	CHESAPEAKE BLVD	CAPE VIEW AVE		1.8	0.5	2.6	4.3	1.08	1.10	0.0	0.0	163	0.0	0.0	0.0	0.0	1.38	1.38
NOR	OCEAN VIEW AVE	CAPE VIEW AVE	21ST BAY ST		1.8	0.5	2.6	4.3	1.08	1.10	0.0	0.0	191	0.0	0.0	0.0	0.0	1.38	1.38
NOR	OLNEY RD	COLLEY AVE	DUKE ST/VA BEACH BLVD		2.3	2.7	5.2	5.8	1.20	1.17	0.0	0.0	95	0.0	0.0	0.0	0.1	1.50	1.43
NOR	PARK AVE	BRAMBLETON AVE	VA BEACH BLVD		0.6	11.2	8.4	55.5	1.26	1.45	0.0	0.1	310	0.0	0.5	0.1	1.0	1.72	2.05
NOR	PARK AVE	VA BEACH BLVD	PRINCESS ANNE RD		12.9	13.5	43.5	35.1	1.75	1.68	3.1	2.8	286	0.4	0.4	0.3	0.7	3.08	2.69
NOR	PRINCESS ANNE RD	HAMPTON BLVD	COLLEY AVE		12.3	17.1	12.1	8.4	1.25	1.33	0.0	0.0	98	0.3	0.6	0.1	0.1	1.59	1.57
NOR	PRINCESS ANNE RD	COLLEY AVE	LLEWELLYN AVE		3.5	5.0	12.2	6.8	1.18	1.20	0.0	0.0	134	0.1	0.2	0.1	0.1	1.42	1.56
NOR	PRINCESS ANNE RD	LLEWELLYN AVE	MONTICELLO AVE		19.6	9.5	52.1	17.3	1.41	1.32	0.0	0.0	170	0.4	0.3	0.5	0.2	2.01	1.89
NOR	PRINCESS ANNE RD	MONTICELLO AVE	CHURCH ST		3.2	2.7	7.1	2.4	1.22	1.20	0.1	0.0	143	0.1	0.1	0.1	0.0	1.47	1.43
NOR	PRINCESS ANNE RD	CHURCH ST	TIDEWATER DR		6.0	3.9	11.1	4.6	1.22	1.20	0.1	0.0	194	0.1	0.1	0.1	0.0	1.47	1.43
NOR	PRINCESS ANNE RD	TIDEWATER DR	MAY AVE		1.8	9.0	10.1	13.8	1.20	1.33	0.0	0.1	178	0.0	0.1	0.1	0.2	1.59	1.82
NOR	PRINCESS ANNE RD	MAY AVE	PARK AVE		1.8	9.0	10.1	13.8	1.20	1.33	0.0	0.1	178	0.0	0.1	0.1	0.2	1.59	1.82
NOR	PRINCESS ANNE RD	PARK AVE	BALLENTINE BLVD		0.8	0.2	7.3	4.1	1.20	1.13	0.0	0.0	535	0.0	0.0	0.1	0.1	1.44	1.45

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
NOR	PRINCESS ANNE RD	BALLENTINE BLVD	INGLESIDE RD		12.3	8.8	21.8	37.8	1.36	1.40	0.0	0.0	598	0.5	0.3	0.4	0.7	1.82	1.95
NOR	PRINCESS ANNE RD	INGLESIDE RD	AZALEA GARDEN RD		4.3	1.7	19.8	9.1	1.17	1.14	0.1	0.0	598	0.2	0.1	0.3	0.2	1.48	1.31
NOR	PRINCESS ANNE RD	AZALEA GARDEN RD	SEWELLS POINT RD		4.3	1.4	20.6	7.4	1.17	1.14	0.1	0.0	555	0.2	0.1	0.3	0.1	1.48	1.31
NOR	PRINCESS ANNE RD	SEWELLS POINT RD	MILITARY HWY		4.3	1.4	20.6	7.4	1.17	1.14	0.1	0.0	555	0.2	0.1	0.3	0.1	1.48	1.31
NOR	ROBIN HOOD RD	CHESAPEAKE BLVD	SEWELLS POINT RD		0.2	0.3	3.1	1.1	1.13	1.14	0.0	0.0	145	0.0	0.0	0.1	0.0	1.36	1.44
NOR	ROBIN HOOD RD	SEWELLS POINT RD	AZALEA GARDEN RD		2.6	0.0	3.1	2.7	1.27	1.17	0.1	0.0	122	0.1	0.0	0.1	0.1	2.27	1.52
NOR	ROBIN HOOD RD	AZALEA GARDEN RD	ELLSMERE AVE		2.5	2.1	2.8	4.9	1.22	1.30	0.0	0.2	181	0.1	0.1	0.1	0.1	2.37	2.06
NOR	ROBIN HOOD RD	ELLSMERE AVE	MILITARY HWY		2.1	4.0	4.3	4.7	1.22	1.30	0.0	0.2	313	0.1	0.1	0.1	0.3	2.37	2.06
NOR	SEWELLS POINT RD	PRINCESS ANNE RD	AZALEA GARDEN RD		1.6	2.6	3.7	8.5	1.15	1.17	0.0	0.0	421	0.1	0.1	0.0	0.2	1.42	1.46
NOR	SEWELLS POINT RD	AZALEA GARDEN RD	ROBIN HOOD RD		1.6	2.6	3.7	8.5	1.15	1.17	0.0	0.0	421	0.1	0.1	0.0	0.2	1.42	1.46
NOR	SEWELLS POINT RD	ROBIN HOOD RD	CHESAPEAKE BLVD		6.4	0.1	18.9	0.7	1.31	1.09	0.3	0.0	421	0.3	0.0	0.1	0.0	1.71	1.37
NOR	SEWELLS POINT RD	CHESAPEAKE BLVD	PARTRIDGE ST		4.1	6.1	3.9	18.7	1.14	1.44	0.0	0.4	168	0.1	0.1	0.1	0.4	1.67	1.96
NOR	SEWELLS POINT RD	PARTRIDGE ST	PHILPOTTS RD		4.1	6.1	3.9	18.7	1.14	1.44	0.0	0.4	168	0.1	0.1	0.1	0.4	1.67	1.96
NOR	SEWELLS POINT RD	PHILPOTTS RD	I-64		2.5	1.4	2.0	2.1	1.20	1.18	0.0	0.0	168	0.1	0.0	0.0	0.0	1.68	1.49
NOR	SEWELLS POINT RD	I-64	LITTLE CREEK RD		2.5	1.4	2.0	2.1	1.20	1.18	0.0	0.0	168	0.1	0.0	0.0	0.0	1.68	1.49
NOR	SHORE DRIVE	21ST BAY ST	LITTLE CREEK RD		11.4	1.5	34.8	11.0	1.25	1.15	0.0	0.0	310	0.2	0.0	0.4	0.1	1.75	1.39
NOR	SHORE DRIVE	LITTLE CREEK RD	VA BEACH CL		7.2	3.8	44.5	5.6	1.26	1.09	0.0	0.0	394	0.1	0.0	0.3	0.0	2.15	1.30
NOR	SOUTH MAIN ST	I-464	BAINBRIDGE BLVD		1.2	9.1	2.2	5.5	1.27	1.33	0.0	0.0	442	0.2	0.2	0.1	0.6	1.67	1.80
NOR	SOUTH MAIN ST	BAINBRIDGE BLVD	LIBERTY ST		1.2	9.1	2.2	5.5	1.27	1.33	0.0	0.0	442	0.2	0.2	0.1	0.6	1.67	1.80
NOR	SOUTH MAIN ST	LIBERTY ST	BERKLEY AVE		1.2	9.1	2.2	5.5	1.27	1.33	0.0	0.0	442	0.2	0.2	0.1	0.6	1.67	1.80
NOR	ST PAULS BLVD	WATERSIDE DR	CITY HALL AVE		10.8	11.8	82.6	5.8	1.46	1.49	0.0	0.2	131	0.2	0.2	0.5	0.0	2.24	2.31
NOR	ST PAULS BLVD	CITY HALL AVE	I-264 RAMP/MACARTHUR MALL		206.1	55.3	217.5	433.8	2.15	2.14	4.0	4.0	528	2.1	1.2	3.7	2.1	4.12	3.76
NOR	ST PAULS BLVD	I-264 RAMP/MACARTHUR MALL	BRAMBLETON AVE		70.9	15.5	48.3	204.6	1.39	1.57	0.0	1.0	528	0.6	0.3	0.8	0.8	2.17	2.48
NOR	ST PAULS BLVD	BRAMBLETON AVE	MONTICELLO AVE		8.4	19.1	27.3	82.9	1.29	1.45	0.0	0.0	471	0.2	0.5	0.4	1.0	1.69	2.40
NOR	STATE ST	LIBERTY ST	BERKLEY AVE		-	-	-	-	-	-	-	-	252	-	-	-	-	-	-
NOR	STATE ST	BERKLEY AVE	I-464 RAMP		3.9	0.0	2.0	0.2	1.26	1.36	0.0	0.1	753	1.1	0.0	0.0	0.2	1.58	1.83
NOR	THOLE ST	GRANBY ST	TIDEWATER DR		5.2	7.0	11.0	7.4	1.18	1.13	0.3	0.0	110	0.1	0.1	0.1	0.1	1.55	1.41
NOR	TIDEWATER DR	CITY HALL AVE	BRAMBLETON AVE		16.1	11.7	79.3	33.3	1.49	1.22	0.0	0.0	1,250	1.2	0.5	1.3	0.5	2.21	1.94
NOR	TIDEWATER DR	BRAMBLETON AVE	VA BEACH BLVD		34.8	154.3	33.0	228.7	1.40	1.89	0.8	3.1	842	1.0	3.1	0.5	5.4	2.13	3.11
NOR	TIDEWATER DR	VA BEACH BLVD	PRINCESS ANNE RD		31.4	36.0	38.7	166.2	1.47	1.61	0.0	2.2	798	1.1	0.7	0.5	4.2	2.63	2.58
NOR	TIDEWATER DR	PRINCESS ANNE RD	LAFAYETTE BLVD		6.8	3.9	22.1	33.4	1.25	1.20	0.0	0.0	798	0.2	0.1	0.3	0.8	1.61	1.53
NOR	TIDEWATER DR	LAFAYETTE BLVD	CROMWELL DR		9.5	10.6	40.6	26.1	1.30	1.19	0.0	0.0	764	0.3	0.2	0.6	0.7	1.78	1.57
NOR	TIDEWATER DR	CROMWELL DR	NORVIEW AVE		15.2	34.8	38.3	186.0	1.29	1.56	0.0	1.0	996	0.5	0.8	0.5	5.3	1.78	2.30
NOR	TIDEWATER DR	NORVIEW AVE	THOLE ST		4.3	5.3	40.6	38.5	1.19	1.16	0.2	0.0	961	0.1	0.1	0.5	1.0	1.54	1.89
NOR	TIDEWATER DR	THOLE ST	I-64		2.4	1.0	57.5	12.1	1.25	1.19	0.0	0.0	961	0.1	0.0	0.8	0.3	1.66	1.51
NOR	TIDEWATER DR	I-64	LITTLE CREEK RD		0.9	4.4	26.9	26.9	1.26	1.26	0.0	0.0	294	0.0	0.0	0.2	0.3	1.87	1.74
NOR	TIDEWATER DR	LITTLE CREEK RD	BAYVIEW BLVD		2.2	0.8	12.7	4.4	1.21	1.13	0.0	0.0	193	0.0	0.0	0.1	0.0	1.54	1.52
NOR	TIDEWATER DR	BAYVIEW BLVD	GRANBY ST		0.2	1.0	2.0	5.0	1.09	1.19	0.0	0.0	128	0.0	0.0	0.0	0.0	1.37	1.48
NOR	TIDEWATER DR	GRANBY ST	OCEAN VIEW AVE		3.6	0.4	36.1	0.6	1.67	1.11	0.3	0.0	95	0.1	0.0	0.2	0.0	4.70	1.35
NOR	VA BEACH BLVD	OLNEY RD	GRANBY ST		1.5	4.6	13.7	5.0	1.41	1.47	0.5	1.1	169	0.1	0.1	0.4	0.1	2.30	2.29
NOR	VA BEACH BLVD	GRANBY ST	MONTICELLO AVE		1.2	3.8	15.7	4.7	1.41	1.47	0.5	1.1	168	0.1	0.1	0.4	0.1	2.30	2.29
NOR	VA BEACH BLVD	MONTICELLO AVE	CHURCH ST		6.1	11.3	17.1	9.2	1.29	1.30	0.0	0.2	406	0.2	0.7	0.4	0.2	1.68	1.65
NOR	VA BEACH BLVD	CHURCH ST	TIDEWATER DR		6.1	11.3	17.1	9.2	1.29	1.30	0.0	0.2	406	0.2	0.7	0.4	0.2	1.68	1.65
NOR	VA BEACH BLVD	TIDEWATER DR	PARK AVE		2.7	9.2	18.6	29.2	1.31	1.40	0.2	0.1	420	0.1	0.4	0.4	0.4	1.92	2.32
NOR	VA BEACH BLVD	PARK AVE	BALLENTINE BLVD		1.1	2.1	13.0	5.1	1.25	1.17	0.0	0.1	499	0.0	0.1	0.3	0.1	1.53	1.55
NOR	VA BEACH BLVD	BALLENTINE BLVD	INGLESIDE RD		30.8	38.7	53.8	62.5	1.37	1.51	0.0	1.0	883	0.8	2.0	1.2	0.8	1.87	2.06
NOR	VA BEACH BLVD	INGLESIDE RD	AZALEA GARDEN RD		32.6	34.1	6.1	27.4	1.58	1.48	1.0	0.0	883	0.8	1.9	0.2	0.3	2.54	2.32
NOR	VA BEACH BLVD	AZALEA GARDEN RD	JETT ST		11.6	5.6	17.0	24.4	1.27	1.24	0.4	0.0	965	0.3	0.3	0.3	0.3	1.84	1.61
NOR	VA BEACH BLVD	JETT ST	MILITARY HWY		11.6	5.6	17.0	24.4	1.27	1.24	0.4	0.0	965	0.3	0.3	0.3	0.3	1.84	1.61
NOR	VA BEACH BLVD	MILITARY HWY	GLENROCK RD		9.5	2.4	86.2	38.5	1.52	1.34	0.6	0.3	280	0.1	0.0	0.5	0.3	2.31	1.89
NOR	VA BEACH BLVD	GLENROCK RD	KEMPSVILLE RD		9.5	2.4	86.2	38.5	1.52	1.34	0.6	0.3	280	0.1	0.0	0.5	0.3	2.31	1.89
NOR	VA BEACH BLVD	KEMPSVILLE RD	NEWTOWN RD		8.6	2.5	104.7	36.2	1.52	1.34	0.6	0.3	279	0.0	0.0	0.0	0.0	2.31	1.89
NOR	WESLEYAN DR	NORTHAMPTON BLVD	NCL VA BEACH		6.9	9.8	30.3	24.1	1.19	1.21	0.0	0.4	193	0.1	0.1	0.1	0.1	1.47	1.54
NOR	WILLOW WOOD DR	GRANBY ST	TIDEWATER DR		4.4	7.0	15.0	9.1	1.18	1.17	0.3	0.2	125	0.0	0.2	0.2	0.1	1.51	1.56
NOR	WILSON RD	BERKLEY AVE/CHESAPEAKE CL	INDIAN RIVER RD		8.2	1.4	2.6	3.8	1.33	1.26	0.0	0.0	107	0.1	0.0	0.0	0.0	1.66	1.75
NOR	WILSON RD	INDIAN RIVER RD	CAMPOSTELLA RD		8.2	1.4	2.6	3.8	1.33	1.26	0.0	0.0	107	0.1	0.0	0.0	0.0	1.66	1.75

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
POQ	EAST YORKTOWN RD	YORK CL	HUNT'S NECK RD		-	-	-	-	-	-	-	-	30	-	-	-	-	-	-
POQ	EAST YORKTOWN RD	HUNT'S NECK RD	POQUOSON AVE		-	-	-	-	-	-	-	-	49	-	-	-	-	-	-
POQ	LITTLE FLORIDA RD	WYTHE CREEK RD	POQUOSON AVE		-	-	-	-	-	-	-	-	141	-	-	-	-	-	-
POQ	POQUOSON AVE	WYTHE CREEK RD	LITTLE FLORIDA RD		-	-	-	-	-	-	-	-	38	-	-	-	-	-	-
POQ	VICTORY BLVD	YORK CL	WYTHE CREEK RD		1.0	4.4	10.1	5.9	1.11	1.12	0.0	0.0	151	0.0	0.1	0.1	0.1	1.27	1.35
POQ	WYTHE CREEK RD	HAMPTON CL	ALPHUS ST		1.5	0.4	6.0	2.1	1.14	1.06	0.0	0.0	156	0.0	0.0	0.0	0.0	1.53	1.36
POQ	WYTHE CREEK RD	ALPHUS ST	LITTLE FLORIDA RD		1.5	0.4	6.0	2.1	1.14	1.06	0.0	0.0	156	0.0	0.0	0.0	0.0	1.53	1.36
POQ	WYTHE CREEK RD	LITTLE FLORIDA RD	HUDGINS RD		-	-	-	-	-	-	-	-	151	-	-	-	-	-	-
POQ	WYTHE CREEK RD	HUDGINS RD	POQUOSON AVE		-	-	-	-	-	-	-	-	96	-	-	-	-	-	-
PORT	AIRLINE BLVD	CHESAPEAKE CL	GREENWOOD DR		1.5	1.0	1.6	3.4	1.08	1.07	0.0	0.0	346	0.1	0.1	0.0	0.0	1.24	1.19
PORT	AIRLINE BLVD	GREENWOOD DR	ELMHURST LN		3.9	3.2	7.4	12.7	1.18	1.18	0.1	0.0	341	0.2	0.1	0.2	0.2	1.44	1.44
PORT	AIRLINE BLVD	ELMHURST LN	.55 MI E ELMHURST LN		3.1	2.0	5.8	11.5	1.18	1.18	0.1	0.0	282	0.1	0.1	0.2	0.2	1.44	1.44
PORT	AIRLINE BLVD	.55 MI E ELMHURST LN	VICTORY BLVD		3.1	2.0	5.8	11.5	1.18	1.18	0.1	0.0	282	0.1	0.1	0.2	0.2	1.44	1.44
PORT	AIRLINE BLVD	VICTORY BLVD	PORTSMOUTH BLVD		4.0	2.8	6.6	14.5	1.18	1.18	0.1	0.0	354	0.2	0.1	0.2	0.2	1.44	1.44
PORT	AIRLINE BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		5.4	1.1	15.7	13.0	1.20	1.20	0.0	0.1	423	0.2	0.1	0.4	0.2	1.44	1.48
PORT	AIRLINE BLVD	FREDERICK BLVD	HIGH ST		10.1	12.0	14.0	30.1	1.27	1.32	0.0	0.0	629	0.4	0.4	0.5	0.5	1.71	1.73
PORT	CAVALIER BLVD	CHESAPEAKE CL	GREENWOOD DR		0.9	5.3	3.6	2.9	1.09	1.14	0.0	0.0	166	0.0	0.1	0.0	0.0	1.23	1.32
PORT	CEDAR LN	HIGH ST	W NORFOLK RD		2.5	6.3	6.4	10.4	1.20	1.25	0.1	0.2	120	0.0	0.1	0.0	0.1	1.62	1.74
PORT	CEDAR LN	W NORFOLK RD	WESTERN FREEWAY		4.0	7.6	7.3	15.6	1.20	1.25	0.1	0.2	161	0.0	0.1	0.1	0.1	1.62	1.74
PORT	CEDAR LN	WESTERN FREEWAY	S PERIMETER RD		5.0	5.2	3.7	5.5	1.30	1.23	0.0	0.0	103	0.1	0.1	0.0	0.1	2.34	1.74
PORT	CHURCHLAND BLVD	CHESAPEAKE CL	W NORFOLK RD		8.9	5.8	16.7	36.5	1.43	1.39	0.0	0.0	71	0.1	0.0	0.1	0.1	2.25	2.00
PORT	CHURCHLAND BLVD	W NORFOLK RD	TYRE NECK RD		1.1	0.4	15.6	11.9	1.33	1.31	0.1	0.0	156	0.0	0.0	0.2	0.2	2.01	1.80
PORT	CHURCHLAND BLVD	TYRE NECK RD	HIGH ST		1.0	0.5	15.8	11.4	1.33	1.31	0.1	0.0	145	0.0	0.0	0.2	0.1	2.01	1.80
PORT	COAST GUARD BLVD	CEDAR LN	COAST GUARD BASE GATE		-	-	-	-	-	-	-	-	482	-	-	-	-	-	-
PORT	COUNTY ST	CONSTITUTION AVE	PENINSULA AVE		-	-	-	-	-	-	-	-	48	-	-	-	-	-	-
PORT	COUNTY ST	PENINSULA AVE	ELM AVE		-	-	-	-	-	-	-	-	71	-	-	-	-	-	-
PORT	COUNTY ST	ELM AVE	EFFINGHAM ST		-	-	-	-	-	-	-	-	75	-	-	-	-	-	-
PORT	COURT ST	PAVILION DR	COUNTY ST		8.7	9.6	17.6	20.9	1.50	1.68	1.2	1.0	116	0.2	0.0	0.3	0.3	2.31	3.08
PORT	COURT ST	COUNTY ST	HIGH ST		7.6	7.5	15.6	17.7	1.50	1.68	1.2	1.0	98	0.2	0.0	0.3	0.1	2.31	3.08
PORT	COURT ST	HIGH ST	LONDON BLVD		-	-	-	-	-	-	-	-	50	-	-	-	-	-	-
PORT	COURT ST	LONDON BLVD	CRAWFORD PKWY		-	-	-	-	-	-	-	-	17	-	-	-	-	-	-
PORT	CRAWFORD PKWY	EFFINGHAM ST	CRAWFORD ST		1.2	0.8	0.5	0.5	1.59	1.42	1.0	0.0	67	0.0	0.0	0.0	0.0	1.98	1.95
PORT	CRAWFORD ST	CRAWFORD PKWY	LONDON BLVD		1.5	1.9	3.7	0.7	1.63	1.39	1.5	0.5	52	0.0	0.0	0.0	0.0	2.25	1.74
PORT	CRAWFORD ST	LONDON BLVD	HIGH ST		4.1	2.5	6.0	1.8	1.63	1.39	1.5	0.5	102	0.1	0.0	0.1	0.1	2.25	1.74
PORT	CRAWFORD ST	HIGH ST	COUNTY ST		2.1	0.5	10.3	2.2	1.39	1.41	0.0	0.0	113	0.0	0.0	0.1	0.1	2.02	1.76
PORT	CRAWFORD ST/BART ST	COUNTY ST	COURT ST		1.9	0.8	9.7	2.4	1.39	1.41	0.0	0.0	109	0.0	0.0	0.1	0.1	2.02	1.76
PORT	DEEP CREEK BLVD	VICTORY BLVD	GREENWOOD DR		0.9	0.1	1.0	1.2	1.10	1.13	0.0	0.0	78	0.0	0.0	0.0	0.0	1.40	1.43
PORT	DEEP CREEK BLVD	GREENWOOD DR	PORTSMOUTH BLVD		1.0	0.1	1.1	0.9	1.17	1.15	0.0	0.0	86	0.0	0.0	0.0	0.0	1.41	1.44
PORT	DEEP CREEK BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		2.2	2.0	10.4	12.4	1.39	1.40	0.0	0.0	100	0.0	0.0	0.1	0.1	2.11	2.28
PORT	DEEP CREEK BLVD	FREDERICK BLVD	DES MOINES AVE		0.5	0.5	2.2	2.3	1.10	1.22	0.0	0.0	72	0.0	0.0	0.0	0.0	1.39	1.56
PORT	DES MOINES AVE	DEEP CREEK BLVD	I-264		0.5	0.4	1.9	1.9	1.10	1.22	0.0	0.0	102	0.0	0.0	0.0	0.0	1.39	1.56
PORT	EFFINGHAM ST	PORTSMOUTH BLVD	I-264		3.1	23.0	76.0	5.2	1.44	1.17	0.0	0.1	408	0.1	0.3	0.9	0.1	2.71	1.77
PORT	EFFINGHAM ST	I-264	SOUTH ST		19.0	17.2	25.9	137.5	1.29	1.94	0.0	1.0	516	0.4	0.5	0.4	1.9	1.80	3.91
PORT	EFFINGHAM ST	SOUTH ST	HIGH ST		19.0	17.2	25.9	137.5	1.29	1.94	0.0	1.0	284	0.2	0.2	0.2	0.5	1.80	3.91
PORT	EFFINGHAM ST	HIGH ST	LONDON BLVD		48.0	6.4	26.3	91.7	1.51	1.53	1.0	1.0	215	0.5	0.1	0.4	0.4	2.49	2.18
PORT	EFFINGHAM ST	LONDON BLVD	NORTH ST		37.4	6.1	0.9	34.9	1.49	1.38	0.7	0.5	117	0.4	0.1	0.0	0.2	3.21	2.20
PORT	EFFINGHAM ST	NORTH ST	CRAWFORD PKWY		28.6	5.3	0.8	32.6	1.49	1.38	0.7	0.5	108	0.7	0.0	0.0	0.1	3.21	2.20
PORT	EFFINGHAM ST	CRAWFORD PKWY	NAVAL MEDICAL CENTER		-	-	-	-	-	-	-	-	112	-	-	-	-	-	-
PORT	ELM AVE	LONDON BLVD	HIGH ST		1.9	1.9	1.1	2.6	1.35	1.15	0.1	0.0	110	0.0	0.1	0.0	0.0	1.95	1.71
PORT	ELM AVE	HIGH ST	COUNTY ST		2.4	2.9	1.6	4.0	1.35	1.15	0.1	0.0	153	0.0	0.1	0.0	0.1	1.95	1.71
PORT	ELM AVE	COUNTY ST	SOUTH ST		2.3	2.3	1.7	3.5	1.35	1.15	0.1	0.0	137	0.0	0.1	0.0	0.1	1.95	1.71
PORT	ELM AVE	SOUTH ST	I-264		0.1	0.6	5.1	2.6	1.12	1.12	0.0	0.0	104	0.0	0.0	0.0	0.0	1.42	1.34
PORT	ELM AVE	I-264	PORTSMOUTH BLVD		0.1	0.6	5.1	2.6	1.12	1.12	0.0	0.0	104	0.0	0.0	0.0	0.0	1.42	1.34
PORT	ELM AVE	PORTSMOUTH BLVD	GEORGE WASHINGTON HWY		0.2	3.8	3.4	4.3	1.19	1.36	0.1	0.1	212	0.0	0.1	0.2	0.1	1.84	2.06
PORT	ELM AVE	GEORGE WASHINGTON HWY	VICTORY BLVD		1.5	1.8	6.3	6.3	1.18	1.22	0.0	0.1	171	0.0	0.0	0.2	0.1	1.73	1.69
PORT	ELM AVE	VICTORY BLVD	BURTONS POINT RD		1.6	5.3	12.9	9.1	1.18	1.22	0.0	0.1	258	0.0	0.1	0.3	0.2	1.73	1.69

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
PORT	ELM AVE (S NORFOLK JORDAN BRIDGE	BURTONS POINT RD	CHESAPEAKE CL		1.0	5.4	13.4	9.3	1.18	1.22	0.0	0.1	536	0.0	0.2	0.3	0.5	1.73	1.69
PORT	ELMHURST LN	GARWOOD AVE	AIRLINE BLVD		-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
PORT	ELMHURST LN	AIRLINE BLVD	PORTSMOUTH BLVD		-	-	-	-	-	-	-	-	101	-	-	-	-	-	-
PORT	FREDERICK BLVD	GEORGE WASHINGTON HWY	PORTSMOUTH BLVD		3.4	1.8	8.6	11.1	1.27	1.26	0.0	0.0	385	0.1	0.1	0.1	0.3	2.08	1.72
PORT	FREDERICK BLVD	PORTSMOUTH BLVD	DEEP CREEK BLVD		2.9	5.7	23.2	19.5	1.35	1.32	0.0	0.0	393	0.1	0.1	0.2	0.5	2.10	1.73
PORT	FREDERICK BLVD	DEEP CREEK BLVD	I-264		4.7	6.3	30.4	24.7	1.35	1.32	0.0	0.0	531	0.2	0.2	0.3	0.7	2.10	1.73
PORT	FREDERICK BLVD	I-264	TURNPIKE RD		3.4	6.6	37.7	33.5	1.29	1.25	0.0	0.0	982	0.1	0.2	0.5	0.8	1.68	1.67
PORT	FREDERICK BLVD	TURNPIKE RD	AIRLINE BLVD		2.5	4.8	28.1	26.0	1.29	1.25	0.0	0.0	340	0.0	0.1	0.2	0.2	1.68	1.67
PORT	FREDERICK BLVD	AIRLINE BLVD	HIGH ST		1.7	2.0	5.2	9.1	1.15	1.17	0.0	0.0	212	0.0	0.0	0.0	0.1	1.40	1.43
PORT	GARWOOD AVE	GREENWOOD DR	ELMHURST LN		-	-	-	-	-	-	-	-	600	-	-	-	-	-	-
PORT	GEORGE WASHINGTON HWY	CHESAPEAKE CL	VICTORY BLVD		17.4	11.2	78.6	29.9	1.48	1.25	0.0	0.0	820	0.5	0.4	1.0	0.6	2.18	1.66
PORT	GEORGE WASHINGTON HWY	VICTORY BLVD	DAVIS ST		1.7	3.9	17.9	28.2	1.21	1.25	0.1	0.1	621	0.0	0.1	0.2	0.6	1.56	1.60
PORT	GEORGE WASHINGTON HWY	DAVIS ST	GREENWOOD DR		1.8	3.8	18.4	28.9	1.21	1.25	0.1	0.1	609	0.0	0.1	0.2	0.6	1.56	1.60
PORT	GEORGE WASHINGTON HWY	GREENWOOD DR	FREDERICK BLVD		2.0	3.9	18.5	32.0	1.21	1.25	0.1	0.1	679	0.0	0.2	0.3	0.6	1.56	1.60
PORT	GEORGE WASHINGTON HWY	FREDERICK BLVD	ELM AVE		37.0	1.1	10.9	8.8	1.45	1.24	0.0	0.1	310	0.3	0.0	0.2	0.1	2.91	1.83
PORT	GEORGE WASHINGTON HWY	ELM AVE	PORTSMOUTH BLVD		19.8	8.6	6.3	35.7	1.31	1.36	0.0	0.0	217	0.2	0.4	0.1	0.4	1.85	1.83
PORT	GREENWOOD DR	AIRLINE BLVD	I-264		3.6	7.7	7.1	41.3	1.14	1.30	0.0	0.0	73	0.0	0.0	0.0	0.1	1.50	1.85
PORT	GREENWOOD DR	I-264	CAVALIER BLVD		2.4	1.2	14.1	5.3	1.19	1.08	0.1	0.0	329	0.1	0.0	0.3	0.1	1.52	1.28
PORT	GREENWOOD DR	CAVALIER BLVD	VICTORY BLVD		1.7	4.4	6.6	5.4	1.31	1.29	0.0	0.1	232	0.1	0.2	0.1	0.1	1.90	1.70
PORT	GREENWOOD DR	VICTORY BLVD	INDEPENDENCE ST		0.0	0.9	1.1	0.5	1.04	1.15	0.0	0.0	100	0.0	0.0	0.0	0.0	1.21	1.30
PORT	GREENWOOD DR	INDEPENDENCE ST	DEEP CREEK BLVD		0.1	1.0	1.1	0.4	1.04	1.15	0.0	0.0	100	0.0	0.0	0.0	0.0	1.21	1.30
PORT	GREENWOOD DR	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		0.0	0.4	0.8	0.3	1.04	1.15	0.0	0.0	73	0.0	0.0	0.0	0.0	1.21	1.30
PORT	HIGH ST	TYRE NECK RD	CHURCHLAND BLVD		3.3	2.5	25.9	17.9	1.20	1.18	0.0	0.1	197	0.0	0.0	0.1	0.1	1.42	1.44
PORT	HIGH ST	CHURCHLAND BLVD	CEDAR LA		4.0	3.4	36.3	25.2	1.20	1.18	0.0	0.1	273	0.1	0.1	0.2	0.2	1.42	1.44
PORT	HIGH ST	CEDAR LA	RODMAN AVE		2.7	4.4	20.7	7.2	1.17	1.15	0.0	0.0	331	0.0	0.1	0.1	0.1	1.43	1.40
PORT	HIGH ST	RODMAN AVE	FREDERICK BLVD		2.7	4.4	20.7	7.2	1.17	1.15	0.0	0.0	285	0.0	0.1	0.1	0.1	1.43	1.40
PORT	HIGH ST	FREDERICK BLVD	AIRLINE BLVD		5.2	0.9	19.2	20.2	1.85	1.40	3.4	0.0	198	0.1	0.0	0.2	0.2	2.96	2.24
PORT	HIGH ST	AIRLINE BLVD	MT VERNON AVE		2.4	5.0	5.5	29.9	1.27	1.72	0.0	3.0	173	0.0	0.2	0.1	0.4	1.85	2.39
PORT	HIGH ST	MT VERNON AVE	M L K FWY		0.1	1.1	1.3	0.4	1.16	1.21	0.0	0.0	199	0.0	0.0	0.0	0.0	1.77	1.64
PORT	HIGH ST	M L K FWY	ELM AVE		0.2	0.6	0.5	0.2	1.13	1.18	0.0	0.0	165	0.0	0.0	0.0	0.0	1.57	1.59
PORT	HIGH ST	ELM AVE	EFFINGHAM ST		0.5	1.5	1.6	0.7	1.22	1.22	0.0	0.0	95	0.0	0.1	0.0	0.0	1.59	1.47
PORT	HIGH ST	EFFINGHAM ST	CRAWFORD ST		4.9	0.5	6.2	4.2	1.17	1.40	0.0	0.3	84	0.1	0.0	0.1	0.0	1.66	1.71
PORT	I-264	WCL PORTSMOUTH	GREENWOOD DR	EB	0.4	-	0.0	-	1.04	-	0.0	-	2,090	0.0	-	0.0	-	1.07	-
				WB	-	0.0	-	3.9	-	1.03	-	0.0	2,161	-	0.0	-	0.2	-	1.07
PORT	I-264	GREENWOOD DR	VICTORY BLVD	EB	0.0	-	0.0	-	1.04	-	0.0	-	1,634	0.0	-	0.0	-	1.06	-
				WB	-	0.2	-	6.6	-	1.04	-	0.0	2,073	-	0.0	-	0.4	-	1.09
PORT	I-264	VICTORY BLVD	PORTSMOUTH BLVD	EB	0.0	-	0.0	-	1.04	-	0.0	-	2,265	0.0	-	0.0	-	1.08	-
				WB	-	0.1	-	5.7	-	1.03	-	0.0	2,211	-	0.0	-	0.2	-	1.08
PORT	I-264	PORTSMOUTH BLVD	FREDERICK BLVD	EB	9.9	-	0.0	-	1.05	-	0.0	-	1,744	0.6	-	0.0	-	1.15	-
				WB	-	0.0	-	1.2	-	1.04	-	0.0	2,071	-	0.0	-	0.0	-	1.09
PORT	I-264	FREDERICK BLVD	MLK FWY	EB	49.0	-	3.1	-	1.39	-	0.6	-	2,130	3.4	-	0.2	-	4.09	-
				WB	-	0.1	-	0.1	-	1.04	-	0.0	2,271	-	0.0	-	0.0	-	1.09
PORT	I-264	MLK FWY	DES MOINES AVE	EB	49.0	-	3.1	-	1.39	-	0.6	-	2,130	3.4	-	0.2	-	4.09	-
				WB	-	0.1	-	0.1	-	1.04	-	0.0	2,271	-	0.0	-	0.0	-	1.09
PORT	I-264	DES MOINES AVE	EFFINGHAM ST	EB	199.2	-	105.4	-	2.61	-	1.5	-	1,988	8.2	-	5.7	-	4.59	-
				WB	-	0.0	-	4.6	-	1.07	-	0.0	2,190	-	0.0	-	0.2	-	1.14
PORT	I-264/DOWNTOWN TUNNEL	EFFINGHAM ST	NORFOLK CL	EB	87.7	-	130.9	-	1.69	-	2.0	-	2,881	7.1	-	7.3	-	2.41	-
				WB	-	32.8	-	125.3	-	1.35	-	0.3	2,814	-	2.1	-	7.0	-	1.76
PORT	LONDON BLVD	HIGH ST	MT VERNON AVE		9.9	8.6	11.9	26.0	1.27	1.32	0.0	0.0	392	0.2	0.3	0.2	0.4	1.71	1.73
PORT	LONDON BLVD	MT VERNON AVE	MLK FWY		2.2	4.6	1.7	22.9	1.10	1.30	0.0	0.0	392	0.0	0.2	0.0	0.4	1.43	1.86
PORT	LONDON BLVD	MLK FWY	ELM AVE		4.9	17.5	24.5	20.5	1.19	1.20	0.0	0.0	269	0.1	0.1	0.2	0.2	1.52	1.59
PORT	LONDON BLVD	ELM AVE	EFFINGHAM ST		11.5	10.1	27.5	6.9	1.38	1.26	0.0	0.0	206	0.2	0.1	0.2	0.0	2.11	1.64
PORT	LONDON ST	EFFINGHAM ST	CRAWFORD ST		-	-	-	-	-	-	-	-	108	-	-	-	-	-	-
PORT	MIDTOWN TUNNEL	MLK FWY/WESTERN FREEWAY	NORFOLK CL		20.6	0.0	0.1	0.0	1.19	1.08	0.0	0.0	1,998	1.2	0.0	0.0	0.0	2.11	1.19
PORT	M L K FREEWAY	I-264	HIGH ST	NB	0.1	-	4.9	-	1.05	-	0.0	-	2,272	0.0	-	0.0	-	1.12	-
				SB	-	14.6	-	8.2	-	1.06	-	0.0	2,336	-	0.0	-	0.0	-	1.16

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
PORT	M L K FREEWAY	HIGH ST	LONDON BLVD	NB	0.6	-	1.7	-	1.00	-	0.0	-	3,247	0.0	-	0.0	-	1.08	-
				SB	-	0.0	-	0.0	-	1.04	-	0.0	3,247	-	0.0	-	0.0	-	1.13
PORT	M L K FREEWAY	LONDON BLVD	WESTERN FREEWAY/MIDTOWN TUNNE	NB	0.9	-	9.1	-	1.08	-	0.0	-	1,472	0.0	-	0.1	-	1.16	-
				SB	-	0.2	-	0.0	-	1.07	-	0.0	1,537	-	0.0	-	0.0	-	1.21
PORT	PORTCENTRE PKWY	PORTSMOUTH BLVD	CRAWFORD ST		1.8	9.1	14.1	0.3	1.53	1.28	0.6	0.2	81	0.0	0.0	0.2	0.0	2.75	2.06
PORT	PORTSMOUTH BLVD	CHESAPEAKE CL	ELMHURST LN		1.8	1.8	31.2	27.1	1.19	1.17	0.0	0.0	234	0.0	0.0	0.1	0.2	1.46	1.43
PORT	PORTSMOUTH BLVD	ELMHURST LN	VICTORY BLVD		1.5	1.5	13.1	30.5	1.21	1.26	0.0	0.0	178	0.0	0.0	0.1	0.1	1.61	1.65
PORT	PORTSMOUTH BLVD	VICTORY BLVD	AIRLINE BLVD		32.4	1.8	44.9	44.1	1.77	1.43	4.0	0.0	124	0.2	0.0	0.3	0.2	2.90	1.99
PORT	PORTSMOUTH BLVD	AIRLINE BLVD	TURNPIKE RD		1.8	7.4	4.6	54.5	1.32	1.47	0.7	1.6	126	0.0	0.1	0.0	0.3	1.71	2.50
PORT	PORTSMOUTH BLVD	TURNPIKE RD	I-264		1.6	6.6	3.3	51.7	1.32	1.47	0.7	1.6	103	0.0	0.1	0.0	0.3	1.71	2.50
PORT	PORTSMOUTH BLVD	I-264	DEEP CREEK BLVD		1.0	0.7	6.4	2.9	1.18	1.11	0.0	0.0	389	0.0	0.0	0.2	0.0	1.54	1.52
PORT	PORTSMOUTH BLVD	DEEP CREEK BLVD	FREDERICK BLVD		9.1	5.4	15.6	25.5	1.79	1.65	3.1	4.0	233	0.2	0.3	0.6	0.4	2.72	2.42
PORT	PORTSMOUTH BLVD	FREDERICK BLVD	ELM AVE		0.0	0.6	0.3	5.8	1.12	1.20	0.0	0.1	279	0.0	0.0	0.0	0.1	1.33	1.56
PORT	PORTSMOUTH BLVD	ELM AVE	EFFINGHAM ST		6.0	1.9	0.2	3.6	1.49	1.26	0.0	0.0	63	0.0	0.0	0.0	0.0	2.24	2.09
PORT	PORTSMOUTH BLVD	EFFINGHAM ST	PORTCENTRE PKWY		5.2	4.1	0.1	4.2	1.19	1.29	0.0	0.0	46	0.0	0.1	0.0	0.0	1.61	1.92
PORT	TOWNE POINT RD	SUFFOLK CL	TWIN PINES RD		0.9	1.7	3.8	6.7	1.08	1.17	0.0	0.0	43	0.0	0.0	0.0	0.0	1.33	1.38
PORT	TOWNE POINT RD	TWIN PINES RD	WESTERN FREEWAY		15.3	7.4	52.5	136.4	1.39	1.68	0.0	3.0	205	0.1	0.1	0.4	1.2	2.13	3.10
PORT	TOWNE POINT RD	WESTERN FREEWAY	CHESAPEAKE CL		13.9	11.0	38.6	37.6	1.39	1.38	0.0	0.0	181	0.1	0.1	0.2	0.3	1.99	1.93
PORT	TURNPIKE RD	PORTSMOUTH BLVD	FREDERICK BLVD		0.2	1.8	4.1	7.9	1.29	1.16	0.0	0.1	486	0.0	0.4	0.2	1.1	1.78	1.43
PORT	TURNPIKE RD	FREDERICK BLVD	HOWARD ST		1.8	2.4	0.2	0.3	1.23	1.25	0.0	0.0	1,638	0.2	0.5	0.0	0.1	1.62	1.63
PORT	TURNPIKE RD	HOWARD ST	HARBOR DR		1.6	1.8	0.1	0.2	1.23	1.25	0.0	0.0	1,362	0.2	0.5	0.0	0.1	1.62	1.63
PORT	TURNPIKE RD	HARBOR DR	COUNTY ST		1.6	1.8	0.1	0.2	1.23	1.25	0.0	0.0	1,362	0.2	0.5	0.0	0.1	1.62	1.63
PORT	TWIN PINES RD	TOWNE POINT RD	HEDGEROW LN		-	-	-	-	-	-	-	-	92	-	-	-	-	-	-
PORT	TYRE NECK RD	CHESAPEAKE CL	HIGH ST		-	-	-	-	-	-	-	-	62	-	-	-	-	-	-
PORT	TYRE NECK RD	HIGH ST	CHURCHLAND BLVD		-	-	-	-	-	-	-	-	32	-	-	-	-	-	-
PORT	TYRE NECK RD	CHURCHLAND BLVD	WEST NORFOLK RD		-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
PORT	VICTORY BLVD	PORTSMOUTH BLVD	AIRLINE BLVD		2.8	3.9	13.4	17.1	1.60	1.49	1.0	1.0	325	0.1	0.4	0.7	0.2	2.55	1.98
PORT	VICTORY BLVD	AIRLINE BLVD	I-264		6.9	7.4	40.8	76.5	1.41	1.38	0.4	0.0	868	0.3	0.8	1.8	1.2	1.97	1.93
PORT	VICTORY BLVD	I-264	GREENWOOD DR		4.2	14.4	40.8	44.8	1.27	1.33	0.1	0.3	922	0.2	1.0	1.3	1.1	1.63	1.96
PORT	VICTORY BLVD	GREENWOOD DR	DEEP CREEK BLVD		2.5	1.1	11.1	8.4	1.18	1.17	0.0	0.0	723	0.1	0.1	0.5	0.1	1.37	1.42
PORT	VICTORY BLVD	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		3.0	1.1	10.0	9.4	1.18	1.17	0.0	0.0	1,246	0.2	0.1	0.4	0.4	1.37	1.42
PORT	VICTORY BLVD	GEORGE WASHINGTON HWY	AFTON PKWY		2.9	1.0	0.2	4.6	1.12	1.16	0.0	0.0	665	0.1	0.1	0.0	0.1	1.44	1.38
PORT	VICTORY BLVD	AFTON PKWY	ELM AVE		1.9	0.6	0.2	3.3	1.12	1.16	0.0	0.0	459	0.1	0.1	0.0	0.1	1.44	1.38
PORT	W NORFOLK RD	CHURCHLAND BLVD	TYRE NECK RD		0.2	0.0	0.1	0.8	1.10	1.09	0.0	0.0	17	0.0	0.0	0.0	0.0	1.39	1.46
PORT	W NORFOLK RD	TYRE NECK RD	CEDAR LN		0.6	0.0	0.2	1.4	1.10	1.09	0.0	0.0	29	0.0	0.0	0.0	0.0	1.39	1.46
PORT	W NORFOLK RD	CEDAR LN	WESTERN FWY		0.1	0.6	0.4	0.1	1.06	1.19	0.0	0.0	21	0.0	0.0	0.0	0.0	1.54	1.59
PORT	WESTERN BRANCH BLVD	CHESAPEAKE CL	TYRE NECK RD		3.4	2.3	26.6	23.3	1.20	1.18	0.0	0.1	230	0.1	0.1	0.2	0.2	1.42	1.44
PORT	WESTERN FWY	SUFFOLK CL	TOWNE POINT RD	EB	9.9	-	0.8	-	1.05	-	0.0	-	1,527	0.2	-	0.0	-	1.18	-
				WB	-	0.3	-	1.1	-	1.04	-	0.0	1,553	-	0.0	-	0.0	-	1.13
PORT	WESTERN FWY	TOWNE POINT RD	CEDAR LN	EB	18.0	-	0.0	-	1.06	-	0.0	-	1,699	0.9	-	0.0	-	1.46	-
				WB	-	0.0	-	2.3	-	1.05	-	0.0	1,645	-	0.0	-	0.1	-	1.16
PORT	WESTERN FWY	CEDAR LN	VIG BLVD	EB	41.3	-	1.6	-	1.05	-	0.0	-	1,808	1.6	-	0.0	-	1.99	-
				WB	-	0.2	-	5.8	-	1.04	-	0.0	1,775	-	0.0	-	0.1	-	1.16
PORT	WESTERN FWY	VIG BLVD	WEST NORFOLK RD	EB	41.3	-	1.6	-	1.05	-	0.0	-	1,808	1.6	-	0.0	-	1.99	-
				WB	-	0.2	-	5.8	-	1.04	-	0.0	1,775	-	0.0	-	0.1	-	1.16
PORT	WESTERN FWY	WEST NORFOLK RD	MLK FREEWAY/MIDTOWN TUNNEL	EB	42.9	-	0.6	-	1.10	-	0.0	-	1,905	2.1	-	0.0	-	2.12	-
				WB	-	0.4	-	47.0	-	1.06	-	0.0	2,318	-	0.0	-	1.8	-	2.19
SH	BUS ROUTE 58	ROUTE 35	ECL COURTLAND		0.2	0.3	0.7	0.9	1.04	1.08	0.0	0.0	568	0.0	0.0	0.0	0.1	1.19	1.36
SH	BUS ROUTE 58	ECL COURTLAND	ROUTE 58		0.2	0.3	0.7	0.9	1.04	1.08	0.0	0.0	568	0.0	0.0	0.0	0.1	1.19	1.36
SH	BUSINESS ROUTE 58 (CAMP PKWY)	ROUTE 58	DELAWARE RD (RTE 687)		0.2	0.0	0.3	0.3	1.07	1.06	0.0	0.1	41	0.0	0.0	0.0	0.0	1.32	1.46
SH	BUSINESS ROUTE 58 (CAMP PKWY)	DELAWARE RD (RTE 687)	FRANKLIN CL		0.2	0.0	0.3	0.3	1.07	1.06	0.0	0.1	41	0.0	0.0	0.0	0.0	1.32	1.46
SH	ROUTE 35	NC STATE LINE	SCL BOYKINS		0.0	0.1	0.1	0.1	1.05	1.05	0.0	0.0	238	0.0	0.0	0.0	0.0	1.79	1.23
SH	ROUTE 35	SCL BOYKINS	ROUTE 1324		0.0	0.1	0.1	0.1	1.05	1.05	0.0	0.0	238	0.0	0.0	0.0	0.0	1.79	1.23
SH	ROUTE 35	ROUTE 1324	ROUTE 186		0.0	0.1	0.1	0.1	1.05	1.05	0.0	0.0	238	0.0	0.0	0.0	0.0	1.79	1.23
SH	ROUTE 35	ROUTE 186	NCL BOYKINS		0.0	0.0	0.0	0.1	1.15	1.13	0.0	0.0	490	0.0	0.0	0.0	0.0	1.39	1.42
SH	ROUTE 35	NCL BOYKINS	ROUTE 671		0.0	0.0	0.0	0.1	1.15	1.13	0.0	0.0	490	0.0	0.0	0.0	0.0	1.39	1.42

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SH	ROUTE 35	ROUTE 671	GRAYS SHOP RD (RTE 673)		0.1	0.1	0.1	0.1	1.04	1.03	0.0	0.0	209	0.0	0.0	0.0	0.0	1.43	1.76
SH	ROUTE 35	GRAYS SHOP RD (RTE 673)	ROUTE 58		0.1	0.0	0.1	0.1	1.04	1.04	0.0	0.0	188	0.0	0.0	0.0	0.0	1.36	1.63
SH	ROUTE 35/BUS ROUTE 58	ROUTE 58	WCL COURTLAND		0.6	0.1	0.8	0.2	1.06	1.07	0.1	0.0	247	0.0	0.0	0.0	0.0	1.29	1.32
SH	ROUTE 35/BUS ROUTE 58	WCL COURTLAND	BUS RTE 58		0.6	0.1	0.8	0.2	1.06	1.07	0.1	0.0	247	0.0	0.0	0.0	0.0	1.29	1.32
SH	ROUTE 35	BUS RTE 58	NCL COURTLAND		0.1	0.3	0.2	0.2	1.04	1.03	0.0	0.0	437	0.0	0.0	0.0	0.0	1.23	1.20
SH	ROUTE 35	NCL COURTLAND	IVOR RD (RTE 616)		0.1	0.3	0.2	0.2	1.04	1.03	0.0	0.0	437	0.0	0.0	0.0	0.0	1.23	1.20
SH	ROUTE 35	IVOR RD (RTE 616)	CARYS BRIDGE RD (RTE 653)		0.1	0.1	0.1	0.1	1.04	1.03	0.0	0.0	581	0.0	0.0	0.0	0.0	1.23	1.20
SH	ROUTE 35	CARYS BRIDGE RD (RTE 653)	SUSSEX CL		0.1	0.1	0.0	0.1	1.04	1.03	0.0	0.0	575	0.0	0.0	0.0	0.0	1.57	1.55
SH	ROUTE 58	GREENSVILLE CL	ADAMS GROVE RD (RTE 615)		0.0	0.0	0.0	0.0	1.02	1.02	0.0	0.0	2,462	0.0	0.0	0.0	0.0	1.08	1.08
SH	ROUTE 58	ADAMS GROVE RD (RTE 615)	DREWRY RD (RTE 659)		0.0	0.0	0.0	0.0	1.02	1.02	0.0	0.0	2,474	0.0	0.0	0.0	0.0	1.08	1.08
SH	ROUTE 58	DREWRY RD (RTE 659)	PINOPOLIS RD (ROUTE 653)		0.0	0.0	0.0	0.0	1.02	1.02	0.0	0.0	2,530	0.0	0.0	0.0	0.0	1.05	1.06
SH	ROUTE 58	PINOPOLIS RD (ROUTE 653)	ROUTE 35		0.0	0.1	0.1	0.1	1.02	1.02	0.0	0.0	3,750	0.0	0.0	0.0	0.0	1.06	1.07
SH	ROUTE 58	ROUTE 35	BUS RTE 58 W		0.0	0.0	0.1	0.0	1.05	1.04	0.0	0.0	2,657	0.0	0.0	0.0	0.0	1.16	1.09
SH	ROUTE 58	BUS RTE 58 W	CAMP PKWY (BUS RTE 58 E)		1.3	1.6	4.0	5.9	1.09	1.11	0.0	0.0	4,345	0.3	0.3	0.6	0.9	1.25	1.35
SH	ROUTE 58	CAMP PKWY (BUS RTE 58 E)	ARMORY DR (RTE 671)		0.0	0.0	0.0	0.0	1.03	1.03	0.0	0.0	3,478	0.0	0.0	0.0	0.0	1.07	1.06
SH	ROUTE 58	ARMORY DR (RTE 671)	ROUTE 258		0.0	0.1	0.0	0.0	1.02	1.02	0.0	0.0	3,478	0.0	0.0	0.0	0.0	1.08	1.08
SH	ROUTE 58	ROUTE 258	PRETLOW RD (RTE 714)		0.0	0.0	0.0	0.0	1.03	1.02	0.0	0.0	3,754	0.0	0.0	0.0	0.0	1.07	1.06
SH	ROUTE 58	PRETLOW RD (RTE 714)	SUFFOLK CL		0.0	0.0	0.0	0.0	1.03	1.03	0.0	0.0	3,949	0.0	0.0	0.0	0.0	1.06	1.07
SH	ROUTE 186	NC STATE LINE	WCL BRANCHVILLE		-	-	-	-	-	-	-	-	250	-	-	-	-	-	-
SH	ROUTE 186	WCL BRANCHVILLE	JOYNER RD (RTE 701)		-	-	-	-	-	-	-	-	250	-	-	-	-	-	-
SH	ROUTE 186	JOYNER RD (RTE 701)	ECL BRANCHVILLE		-	-	-	-	-	-	-	-	285	-	-	-	-	-	-
SH	ROUTE 186	ECL BRANCHVILLE	WCL BOYKINS		-	-	-	-	-	-	-	-	285	-	-	-	-	-	-
SH	ROUTE 186	WCL BOYKINS	ROUTE 35		-	-	-	-	-	-	-	-	294	-	-	-	-	-	-
SH	ROUTE 189	ROUTE 258	PRETLOW RD (RTE 714)		-	-	-	-	-	-	-	-	31	-	-	-	-	-	-
SH	ROUTE 189	PRETLOW RD (RTE 714)	SUFFOLK CL		-	-	-	-	-	-	-	-	41	-	-	-	-	-	-
SH	ROUTE 258	NC STATE LINE	ROUTE 189		0.1	0.2	0.5	0.1	1.03	1.04	0.0	0.0	676	0.0	0.0	0.1	0.0	1.24	1.22
SH	ROUTE 258	ROUTE 189	DOGWOOD BEND RD (RTE 684)		0.2	0.2	0.5	0.3	1.05	1.04	0.0	0.0	487	0.0	0.0	0.1	0.0	1.53	1.49
SH	ROUTE 258	DOGWOOD BEND RD (RTE 684)	ROUTE 58		0.2	0.2	0.6	0.3	1.05	1.04	0.0	0.0	561	0.0	0.0	0.1	0.0	1.53	1.49
SH	ROUTE 460	SUSSEX CL	WCL IVOR		0.0	0.0	0.1	0.2	1.04	1.03	0.0	0.0	2,472	0.0	0.0	0.0	0.0	1.17	1.14
SH	ROUTE 460	WCL IVOR	ROUTE 616 (IVOR RD)		0.0	0.0	0.1	0.2	1.04	1.03	0.0	0.0	2,472	0.0	0.0	0.0	0.0	1.17	1.14
SH	ROUTE 460	ROUTE 616 (IVOR RD)	ECL IVOR		0.0	0.1	0.0	0.5	1.04	1.05	0.0	0.0	2,102	0.0	0.0	0.0	0.1	1.18	1.27
SH	ROUTE 460	ECL IVOR	ISLE OF WIGHT CL		0.0	0.1	0.0	0.5	1.04	1.05	0.0	0.0	2,102	0.0	0.0	0.0	0.1	1.18	1.27
SH	ROUTE 616	ROUTE 35	SAINT LUKES RD (RTE 633)		-	-	-	-	-	-	-	-	79	-	-	-	-	-	-
SH	ROUTE 616	SAINT LUKES RD (RTE 633)	SEACOCK RD (RTE 614)		-	-	-	-	-	-	-	-	143	-	-	-	-	-	-
SH	ROUTE 616	SEACOCK RD (RTE 614)	MILLFIELD RD (RTE 605)		-	-	-	-	-	-	-	-	114	-	-	-	-	-	-
SH	ROUTE 616	MILLFIELD RD (RTE 605)	SCL IVOR		-	-	-	-	-	-	-	-	89	-	-	-	-	-	-
SH	ROUTE 616	SCL IVOR	ROUTE 460		-	-	-	-	-	-	-	-	126	-	-	-	-	-	-
SH	ROUTE 671	ROUTE 35	CROSS KEYS RD (RTE 665)		-	-	-	-	-	-	-	-	308	-	-	-	-	-	-
SH	ROUTE 671	CROSS KEYS RD (RTE 665)	WCL NEWSOMS		-	-	-	-	-	-	-	-	319	-	-	-	-	-	-
SH	ROUTE 671	WCL NEWSOMS	GRAYS SHOP RD (RTE 673)		-	-	-	-	-	-	-	-	321	-	-	-	-	-	-
SH	ROUTE 671	GRAYS SHOP RD (RTE 673)	ECL NEWSOMS		-	-	-	-	-	-	-	-	329	-	-	-	-	-	-
SH	ROUTE 671	ECL NEWSOMS	SUNBEAM RD (RTE 680)		-	-	-	-	-	-	-	-	329	-	-	-	-	-	-
SH	ROUTE 671	SUNBEAM RD (RTE 680)	DELAWARE RD (RTE 687)		-	-	-	-	-	-	-	-	642	-	-	-	-	-	-
SH	ROUTE 671	DELAWARE RD (RTE 687)	ROUTE 58		-	-	-	-	-	-	-	-	825	-	-	-	-	-	-
SUF	BENNETTS PASTURE RD	NANSEMOND PKWY	KINGS HWY		-	-	-	-	-	-	-	-	114	-	-	-	-	-	-
SUF	BENNETTS PASTURE RD	KINGS HWY	BRIDGE RD		-	-	-	-	-	-	-	-	204	-	-	-	-	-	-
SUF	BRIDGE RD	ISLE OF WIGHT CL	E. END CHUCKATUCK BRIDGE		1.2	3.6	3.7	5.5	1.08	1.10	0.0	0.0	465	0.0	0.1	0.0	0.1	1.30	1.63
SUF	BRIDGE RD	E. END CHUCKATUCK BRIDGE	CRITTENDEN RD		1.2	3.6	3.7	5.5	1.08	1.10	0.0	0.0	465	0.0	0.1	0.0	0.1	1.30	1.63
SUF	BRIDGE RD	CRITTENDEN RD	N. END NANSEMOND RIVER		2.2	0.6	7.5	0.6	1.12	1.06	0.0	0.0	1,040	0.2	0.0	0.1	0.0	1.31	1.17
SUF	BRIDGE RD	N. END NANSEMOND RIVER	S. END NANSEMOND RIVER		2.2	0.6	7.5	0.6	1.12	1.06	0.0	0.0	1,040	0.2	0.0	0.1	0.0	1.31	1.17
SUF	BRIDGE RD	S. END NANSEMOND RIVER	BENNETTS PASTURE RD		2.2	0.6	7.5	0.6	1.12	1.06	0.0	0.0	1,040	0.2	0.0	0.1	0.0	1.31	1.17
SUF	BRIDGE RD	BENNETTS PASTURE RD	SHOULDERS HILL RD		6.2	3.4	29.6	9.7	1.16	1.11	0.0	0.0	834	0.3	0.1	0.3	0.2	1.43	1.33
SUF	BRIDGE RD	SHOULDERS HILL RD	HARBOUR VIEW BLVD		0.9	7.7	14.9	46.7	1.12	1.26	0.0	0.0	1,169	0.0	0.2	0.2	0.8	1.38	1.87
SUF	BRIDGE RD	HARBOUR VIEW BLVD	WESTERN FWY		1.3	7.7	9.2	68.8	1.12	1.26	0.0	0.0	1,071	0.0	0.2	0.2	0.8	1.38	1.87
SUF	BRIDGE RD	WESTERN FWY	I-664		0.2	2.4	2.9	15.7	1.12	1.32	0.0	0.0	700	0.0	0.0	0.1	0.3	1.38	2.43
SUF	BRIDGE RD	I-664	COLLEGE DR		5.7	3.7	32.8	11.3	1.27	1.21	0.0	0.0	296	0.1	0.1	0.2	0.1	1.82	1.59

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SUF	BRIDGE RD	COLLEGE DR	CHESAPEAKE CL		5.5	3.1	30.6	10.1	1.27	1.21	0.0	0.0	280	0.1	0.1	0.2	0.1	1.82	1.59
SUF	BUCKHORN DR	ROUTE 58	INDIAN TRAIL		-	-	-	-	-	-	-	-	12	-	-	-	-	-	-
SUF	BUCKHORN DR	INDIAN TRAIL	ISLE OF WIGHT CL		-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
SUF	CAROLINA RD	NC STATE LINE	ADAMS SWAMP RD (RTE 642)		0.1	0.1	0.2	0.2	1.03	1.03	0.0	0.0	260	0.0	0.0	0.0	0.0	1.22	1.10
SUF	CAROLINA RD	ADAMS SWAMP RD (RTE 642)	CYPRESS CHAPEL RD (RTE 675)		0.1	0.1	0.2	0.3	1.03	1.03	0.0	0.0	288	0.0	0.0	0.0	0.0	1.22	1.10
SUF	CAROLINA RD	CYPRESS CHAPEL RD (RTE 675)	BABBTOWN RD (RTE 759)		0.1	0.1	0.2	0.3	1.03	1.03	0.0	0.0	283	0.0	0.0	0.0	0.0	1.22	1.10
SUF	CAROLINA RD	BABBTOWN RD (RTE 759)	WHALEYVILLE BLVD		0.1	0.1	0.2	0.3	1.03	1.03	0.0	0.0	300	0.0	0.0	0.0	0.0	1.22	1.10
SUF	CAROLINA RD	WHALEYVILLE BLVD	TURLINGTON RD		0.9	1.7	1.2	5.3	1.07	1.09	0.0	0.0	2,328	0.1	0.4	0.1	0.4	1.27	1.48
SUF	CAROLINA RD	TURLINGTON RD	SW SUFFOLK BYPASS		1.0	0.8	0.9	1.9	1.09	1.07	0.0	0.0	2,328	0.1	0.2	0.1	0.2	1.33	1.30
SUF	CAROLINA RD	SW SUFFOLK BYPASS	FAYETTE ST		0.3	0.3	2.2	0.1	1.12	1.09	0.0	0.0	1,651	0.0	0.1	0.2	0.0	1.39	1.38
SUF	COLLEGE DR	BRIDGE RD	WESTERN FREEWAY		8.6	7.3	44.6	72.1	1.41	1.55	0.3	1.1	304	0.2	0.2	0.3	0.4	2.02	2.50
SUF	COLLEGE DR	WESTERN FREEWAY	HAMPTON ROADS PKWY		4.9	0.0	36.9	13.1	1.27	1.20	0.2	0.0	289	0.1	0.0	0.3	0.1	1.65	1.53
SUF	COLLEGE DR	HAMPTON ROADS PKWY	I-664		10.5	6.8	22.0	85.0	1.25	1.37	0.0	0.1	358	0.2	0.2	0.3	0.6	1.52	1.96
SUF	COLLEGE DR	I-664	HARBOUR VIEW BLVD		2.4	0.0	1.1	0.0	1.11	1.10	0.0	0.0	661	0.1	0.0	0.1	0.0	1.30	1.30
SUF	CONSTANCE RD	HOLLAND RD	PITCHKETTLE RD		1.5	1.7	2.3	2.8	1.14	1.15	0.0	0.1	136	0.0	0.0	0.0	0.0	1.49	1.51
SUF	CONSTANCE RD	PITCHKETTLE RD	MAIN ST		3.6	0.2	11.5	7.7	1.28	1.18	0.0	0.0	159	0.1	0.0	0.1	0.1	1.70	1.49
SUF	CONSTANCE RD	MAIN ST	WILROY RD		2.1	1.3	10.1	22.4	1.24	1.39	0.0	0.0	489	0.1	0.1	0.2	0.4	1.78	2.02
SUF	COPELAND RD	ROUTE 58	WHALEYVILLE BLVD		-	-	-	-	-	-	-	-	53	-	-	-	-	-	-
SUF	COPELAND RD	WHALEYVILLE BLVD	CAROLINA RD		-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
SUF	CRITTENDEN RD	KINGS HWY	BRIDGE RD (RTE 17)		-	-	-	-	-	-	-	-	79	-	-	-	-	-	-
SUF	EVERETTS RD	LAKE PRINCE DR (RTE 604)	MOORE FARM LN		-	-	-	-	-	-	-	-	32	-	-	-	-	-	-
SUF	EVERETTS RD	MOORE FARM LN	GODWIN BLVD		-	-	-	-	-	-	-	-	38	-	-	-	-	-	-
SUF	FINNEY AVE	N MAIN ST	PINNER ST		-	-	-	-	-	-	-	-	89	-	-	-	-	-	-
SUF	GODWIN BLVD	PRUDEN BLVD	SUFFOLK BYPASS		6.6	9.2	16.7	26.0	1.24	1.42	0.0	0.2	988	0.5	0.8	0.5	0.6	1.64	2.11
SUF	GODWIN BLVD	SUFFOLK BYPASS	KENSINGTON BLVD		8.6	5.1	17.6	32.2	1.18	1.20	0.0	0.0	1,983	0.9	0.6	0.9	1.2	1.40	1.49
SUF	GODWIN BLVD	KENSINGTON BLVD	KINGS FORK RD		8.6	5.1	17.6	32.2	1.18	1.20	0.0	0.0	1,132	0.9	0.6	0.9	1.2	1.40	1.49
SUF	GODWIN BLVD	KINGS FORK ROAD	1.36 MI N OF KINGS FORK RD		0.0	0.2	0.3	0.3	1.04	1.04	0.0	0.0	590	0.0	0.0	0.0	0.0	1.50	1.29
SUF	GODWIN BLVD	1.36 MILES N OF KINGS FORK RD	EVERETS RD		0.0	0.2	0.3	0.3	1.04	1.04	0.0	0.0	590	0.0	0.0	0.0	0.0	1.50	1.29
SUF	GODWIN BLVD	EVERETS RD	KINGS HWY		0.2	0.6	1.5	1.5	1.04	1.04	0.0	0.0	655	0.0	0.0	0.0	0.0	1.12	1.14
SUF	GODWIN BLVD	KINGS HWY	ISLE OF WIGHT CL		0.1	0.3	0.3	0.0	1.05	1.04	0.0	0.0	544	0.0	0.0	0.0	0.0	1.18	1.30
SUF	HAMPTON ROADS PKWY	HARBOUR VIEW BLVD	COLLEGE DR		0.6	0.4	6.3	1.8	1.28	1.21	0.2	0.0	163	0.0	0.0	0.1	0.0	1.75	1.48
SUF	HAMPTON ROADS PKWY	COLLEGE DR	PORTSMOUTH CL		0.9	2.2	3.9	6.3	1.08	1.17	0.0	0.0	43	0.0	0.0	0.0	0.0	1.33	1.38
SUF	HARBOUR VIEW BLVD	BRIDGE RD	HAMPTON ROADS PKWY		2.5	1.1	0.8	44.2	1.16	1.22	0.0	0.0	223	0.0	0.0	0.0	0.3	1.40	1.55
SUF	HARBOUR VIEW BLVD	HAMPTON ROADS PKWY	COLLEGE DR		0.3	0.1	0.0	0.0	1.09	1.09	0.0	0.0	83	0.0	0.0	0.0	0.0	1.29	1.49
SUF	HOLLAND RD (BUS RTE 58)	SUFFOLK BYPASS	CONSTANCE RD		2.1	1.6	2.3	3.1	1.14	1.15	0.0	0.1	211	0.1	0.1	0.0	0.0	1.49	1.51
SUF	HOLLAND RD (BUS RTE 58)	RURITAN BLVD	HOLLAND RD (RTE 58)		0.9	0.2	0.2	0.9	1.09	1.09	0.0	0.0	90	0.0	0.0	0.0	0.0	1.32	1.57
SUF	I-664	CHESAPEAKE CL	BRIDGE RD	SB	-	3.6	-	68.1	-	1.14	-	0.0	2,930	-	0.2	-	2.4	-	2.21
				NB	23.4	-	7.8	-	1.04	-	0.0	-	3,070	1.3	-	0.3	-	1.12	-
SUF	I-664	BRIDGE RD	WESTERN FWY	SB	-	2.0	-	42.7	-	1.09	-	0.0	2,023	-	0.1	-	1.4	-	2.24
				NB	32.6	-	21.3	-	1.05	-	0.0	-	2,175	1.8	-	0.9	-	1.69	-
SUF	I-664	WESTERN FWY	COLLEGE DR	SB	-	0.0	-	7.4	-	1.04	-	0.0	2,471	-	0.0	-	0.2	-	1.26
				NB	39.9	-	48.4	-	1.06	-	0.0	-	2,553	2.3	-	1.9	-	3.54	-
SUF	I-664/MMMBT	COLLEGE DR	NEWPORT NEWS CL	SB	-	0.1	-	27.3	-	1.07	-	0.0	2,376	-	0.0	-	1.0	-	1.18
				NB	13.9	-	19.3	-	1.17	-	0.0	-	2,547	0.8	-	0.8	-	1.77	-
SUF	KINGS FORK RD	PITCHKETTLE RD	PRUDEN BLVD		-	-	-	-	-	-	-	-	68	-	-	-	-	-	-
SUF	KINGS FORK RD	PRUDEN BLVD	GODWIN BLVD		-	-	-	-	-	-	-	-	140	-	-	-	-	-	-
SUF	KINGS HWY	GODWIN BLVD	CRITTENDEN RD		-	-	-	-	-	-	-	-	104	-	-	-	-	-	-
SUF	KINGS HWY	BENNETTS PASTURE RD	NANSEMOND PKWY		-	-	-	-	-	-	-	-	58	-	-	-	-	-	-
SUF	LAKE PRINCE DR (RTE 604)	ROUTE 460 (PRUDEN BLVD)	ROUTE 603 (EVERETTS RD)		0.0	0.0	0.1	0.1	1.07	1.07	0.0	0.0	58	0.0	0.0	0.0	0.0	1.34	1.20
SUF	MAIN ST	FAYETTE ST	WASHINGTON ST		0.3	0.3	2.2	0.1	1.12	1.09	0.0	0.0	156	0.0	0.0	0.0	0.0	1.39	1.38
SUF	MAIN ST	WASHINGTON ST	MARKET ST		5.8	1.8	64.0	33.9	1.36	1.31	0.1	0.0	269	0.2	0.0	0.9	0.2	1.89	1.79
SUF	MAIN ST	MARKET ST	CONSTANCE RD		5.8	1.8	64.0	33.9	1.36	1.31	0.1	0.0	269	0.2	0.0	0.9	0.2	1.89	1.79
SUF	MAIN ST	CONSTANCE RD	PRUDEN BLVD/GODWIN BLVD		0.5	2.4	18.4	50.1	1.23	1.26	0.1	0.0	300	0.0	0.0	0.1	0.3	1.66	1.66
SUF	MARKET ST	WASHINGTON ST	MAIN ST		-	-	-	-	-	-	-	-	70	-	-	-	-	-	-
SUF	NANSEMOND PKWY	WILROY RD	BENNETTS PASTURE RD		-	-	-	-	-	-	-	-	329	-	-	-	-	-	-
SUF	NANSEMOND PKWY	BENNETTS PASTURE RD	KINGS HWY		-	-	-	-	-	-	-	-	225	-	-	-	-	-	-

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SUF	NANSEMOND PKWY	KINGS HWY	SHOULDERS HILL RD		-	-	-	-	-	-	-	-	555	-	-	-	-	-	-
SUF	NANSEMOND PKWY	SHOULDERS HILL RD	CHESAPEAKE CL		1.3	2.1	0.1	6.4	1.08	1.18	0.0	0.0	505	0.1	0.1	0.0	0.2	1.28	1.51
SUF	PINNER ST	WASHINGTON ST	BANK ST		-	-	-	-	-	-	-	-	106	-	-	-	-	-	-
SUF	PINNER ST	BANK ST	FINNEY AVE		-	-	-	-	-	-	-	-	106	-	-	-	-	-	-
SUF	PINNER ST	FINNEY AVE	CONSTANCE RD		-	-	-	-	-	-	-	-	152	-	-	-	-	-	-
SUF	PITCHKETTLE RD	CONSTANCE RD	SUFFOLK BYPASS		0.2	0.2	0.1	0.3	1.06	1.09	0.0	0.0	117	0.0	0.0	0.0	0.0	1.27	1.28
SUF	PITCHKETTLE RD	SUFFOLK BYPASS	KINGS FORK RD		0.1	0.3	0.1	0.1	1.07	1.07	0.0	0.0	60	0.0	0.0	0.0	0.0	1.18	1.24
SUF	PORTSMOUTH BLVD	WILROY RD	WASHINGTON ST		2.9	1.6	9.1	19.0	1.16	1.25	0.0	0.0	537	0.1	0.1	0.2	0.4	1.43	1.62
SUF	PORTSMOUTH BLVD	WASHINGTON ST	SUFFOLK BYPASS		3.1	1.9	2.7	16.7	1.07	1.19	0.0	0.0	834	0.1	0.1	0.1	0.4	1.26	1.75
SUF	PROVIDENCE RD (RTE 604)	KINGS FORK RD	ROUTE 460 (PRUDEN BLVD)		0.2	0.4	0.9	0.5	1.15	1.12	0.0	0.0	28	0.0	0.0	0.0	0.0	1.41	1.30
SUF	PRUDEN BLVD	ISLE OF WIGHT CL	LAKE PRINCE DR		0.1	0.0	1.3	0.0	1.05	1.04	0.0	0.0	3,912	0.0	0.0	0.2	0.0	1.14	1.16
SUF	PRUDEN BLVD	LAKE PRINCE DR	KINGS FORK RD		5.2	4.0	12.0	8.5	1.18	1.12	0.0	0.0	4,499	1.0	1.2	2.0	1.3	1.53	1.45
SUF	PRUDEN BLVD	KINGS FORK RD	SUFFOLK BYPASS		4.8	3.0	7.5	6.7	1.07	1.10	0.0	0.0	5,781	1.1	0.7	1.3	1.0	1.34	1.29
SUF	PRUDEN BLVD	SUFFOLK BYPASS	GODWIN BLVD		4.2	0.5	7.4	3.7	1.24	1.16	0.0	0.0	157	0.1	0.0	0.1	0.0	1.71	1.57
SUF	PUGHSVILLE RD	SHOULDERS HILL RD	TOWN POINT RD		0.0	0.2	2.0	2.2	1.09	1.08	0.0	0.0	81	0.0	0.0	0.0	0.0	1.25	1.23
SUF	PUGHSVILLE RD	TOWN POINT RD	CHESAPEAKE CL		0.0	0.4	3.0	3.1	1.09	1.08	0.0	0.0	831	0.0	0.0	0.1	0.2	1.25	1.23
SUF	ROUTE 13/58/460	SUFFOLK BYPASS	CHESAPEAKE CL	EB	3.4	-	0.2	-	1.03	-	0.0	-	3,887	0.2	-	0.0	-	1.06	-
				WB	-	0.0	-	1.0	-	1.02	-	0.0	4,081	-	0.0	-	0.0	-	1.06
SUF	ROUTE 58	SOUTHAMPTON CL	RTE 189/258		0.0	0.0	0.0	0.0	1.03	1.03	0.0	0.0	3,949	0.0	0.0	0.0	0.0	1.06	1.07
SUF	ROUTE 58	RTE 189/258	RTE 272 (S. QUAY RD)		0.0	0.0	0.0	0.0	1.02	1.03	0.0	0.0	4,028	0.0	0.0	0.0	0.0	1.06	1.06
SUF	ROUTE 58	RTE 272	S. QUAY RD (ROUTE 189)		0.0	0.0	0.0	0.0	1.03	1.03	0.0	0.0	4,368	0.0	0.0	0.0	0.0	1.07	1.06
SUF	ROUTE 58 (HOLLAND BYPASS)	S. QUAY RD (ROUTE 189)	BUS RTE 58 (HOLLAND RD)		0.6	0.1	0.1	0.3	1.04	1.02	0.0	0.0	4,460	0.1	0.0	0.0	0.0	1.11	1.06
SUF	ROUTE 58 (HOLLAND RD)	BUS RTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)		1.4	0.6	1.8	1.6	1.05	1.04	0.0	0.0	5,121	0.2	0.1	0.3	0.2	1.16	1.11
SUF	ROUTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)	RTE 643 (MANNING BRIDGE RD)		1.6	0.6	1.8	1.7	1.05	1.04	0.0	0.0	5,324	0.2	0.2	0.3	0.2	1.16	1.11
SUF	ROUTE 58 (HOLLAND RD)	RTE. 643 (MANNING BRIDGE RD)	COVE POINT DR		1.9	1.0	2.8	2.2	1.05	1.04	0.0	0.0	6,994	0.3	0.2	0.4	0.3	1.16	1.11
SUF	ROUTE 58 (HOLLAND RD)	COVE POINT DR	SUFFOLK BYPASS		7.0	2.8	16.1	23.4	1.15	1.11	0.0	0.0	6,978	1.1	0.6	2.4	3.1	1.38	1.26
SUF	ROUTE 189 (IN HOLLAND)	RTE 58 (SOUTH OF HOLLAND)	BUS RTE 58 (RURITAN BLVD)		-	-	-	-	-	-	-	-	32	-	-	-	-	-	-
SUF	ROUTE 189	SOUTHAMPTON CL	RTE 272		-	-	-	-	-	-	-	-	26	-	-	-	-	-	-
SUF	ROUTE 189	RTE 272	RTE 58		-	-	-	-	-	-	-	-	281	-	-	-	-	-	-
SUF	ROUTE 258	RTE 58	ISLE OF WIGHT CL		-	-	-	-	-	-	-	-	461	-	-	-	-	-	-
SUF	ROUTE 272	ROUTE 189	ROUTE 58		-	-	-	-	-	-	-	-	35	-	-	-	-	-	-
SUF	ROUTE 616	ROUTE 58	WHALEYVILLE BLVD		-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
SUF	ROUTE 616	WHALEYVILLE BLVD	CAROLINA RD		-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
SUF	RURITAN BLVD (BUS RTE 58)	ISLE OF WIGHT CL	RTE 189 (HOLLAND RD BUS)		0.0	0.0	0.0	0.0	1.10	1.09	0.0	0.0	63	0.0	0.0	0.0	0.0	1.31	1.19
SUF	SHOULDERS HILL RD	NANSEMOND PKWY	PUGHSVILLE RD		0.4	0.5	2.8	3.1	1.11	1.14	0.0	0.0	191	0.0	0.0	0.0	0.1	1.37	1.41
SUF	SHOULDERS HILL RD	PUGHSVILLE RD	BRIDGE RD		7.0	0.3	5.3	4.9	1.17	1.08	0.0	0.0	288	0.2	0.0	0.1	0.1	1.43	1.26
SUF	SOUTHWEST SUFFOLK BYPASS	HOLLAND RD	CAROLINA RD	NB	0.0	-	0.0	-	1.04	-	0.0	-	838	0.0	-	0.0	-	1.11	-
				SB	-	0.1	-	0.0	-	1.05	-	0.0	834	-	0.0	-	0.0	-	1.12
SUF	SUFFOLK BYPASS	HOLLAND RD	PITCHKETTLE RD	EB	0.0	-	0.0	-	1.04	-	0.0	-	4,069	0.0	-	0.0	-	1.07	-
				WB	-	0.0	-	10.9	-	1.08	-	0.0	4,036	-	0.0	-	0.6	-	1.23
SUF	SUFFOLK BYPASS	PITCHKETTLE RD	PRUDEN BLVD	EB	1.8	-	1.3	-	1.03	-	0.0	-	2,065	0.2	-	0.1	-	1.07	-
				WB	-	0.0	-	0.1	-	1.02	-	0.0	2,059	-	0.0	-	0.0	-	1.07
SUF	SUFFOLK BYPASS	PRUDEN BLVD	GODWIN BLVD	EB	4.2	-	3.3	-	1.03	-	0.0	-	2,530	0.4	-	0.3	-	1.08	-
				WB	-	0.0	-	0.1	-	1.03	-	0.0	2,547	-	0.0	-	0.0	-	1.08
SUF	SUFFOLK BYPASS	GODWIN BLVD	WILROY RD	EB	8.5	-	3.2	-	1.02	-	0.0	-	3,131	0.6	-	0.3	-	1.07	-
				WB	-	0.1	-	5.6	-	1.03	-	0.0	3,082	-	0.0	-	0.3	-	1.25
SUF	SUFFOLK BYPASS	WILROY RD	ROUTES 13/58/460	EB	1.5	-	1.3	-	1.03	-	0.0	-	2,686	0.1	-	0.1	-	1.07	-
				WB	-	5.2	-	5.1	-	1.03	-	0.0	1,488	-	0.3	-	0.2	-	1.11
SUF	TOWN POINT RD	PUGHSVILLE RD	BRIDGE RD		-	-	-	-	-	-	-	-	36	-	-	-	-	-	-
SUF	WASHINGTON ST	W CONSTANCE RD	SARATOGA ST		-	-	-	-	-	-	-	-	119	-	-	-	-	-	-
SUF	WASHINGTON ST	SARATOGA ST	MAIN ST		-	-	-	-	-	-	-	-	119	-	-	-	-	-	-
SUF	WASHINGTON ST	MAIN ST	PINNER ST		1.0	0.7	9.6	8.9	1.16	1.18	0.0	0.0	167	0.0	0.0	0.2	0.1	1.38	1.40
SUF	WASHINGTON ST	PINNER ST	PORTSMOUTH BLVD		2.3	1.0	14.0	17.3	1.16	1.18	0.0	0.0	275	0.1	0.0	0.2	0.2	1.38	1.40
SUF	WESTERN FWY	BRIDGE RD	I-664	EB	0.1	-	2.8	-	1.11	-	0.0	-	554	0.0	-	0.3	-	1.77	-
				WB	-	0.0	-	17.0	-	1.11	-	0.0	927	-	0.0	-	0.8	-	1.83
SUF	WESTERN FWY	I-664	COLLEGE DR	EB	1.9	-	0.5	-	1.06	-	0.0	-	1,382	0.1	-	0.0	-	1.46	-
				WB	-	0.5	-	3.2	-	1.04	-	0.0	1,357	-	0.0	-	0.1	-	1.14

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
SUF	WESTERN FWY	COLLEGE DR	PORTSMOUTH CL	EB	9.9	-	0.8	-	1.05	-	0.0	-	1,527	0.2	-	0.0	-	1.18	-
				WB	-	0.3	-	1.1	-	1.04	-	0.0	1,553	-	0.0	-	0.0	-	1.13
SUF	WHALEYVILLE BLVD	NC STATE LINE	RTE 616 (MINERAL SPRING RD)		0.1	0.3	0.3	0.2	1.05	1.04	0.0	0.0	809	0.0	0.1	0.0	0.0	1.36	1.32
SUF	WHALEYVILLE BLVD	RTE 616 (MINERAL SPRING RD)	RTE 677 (GREAT FORK RD)		0.1	0.4	0.4	0.3	1.05	1.04	0.0	0.0	1,229	0.0	0.1	0.0	0.0	1.36	1.32
SUF	WHALEYVILLE BLVD	RTE 677 (GREAT FORK RD)	RTE 675 (CYPRESS CHAPEL RD)		0.1	0.4	0.4	0.3	1.05	1.04	0.0	0.0	1,229	0.0	0.1	0.0	0.0	1.36	1.32
SUF	WHALEYVILLE BLVD	RTE 675 (CYPRESS CHAPEL RD)	RTE 759 (BABBTOWN RD)		0.2	0.4	0.4	0.3	1.05	1.04	0.0	0.0	1,376	0.0	0.1	0.1	0.0	1.36	1.32
SUF	WHALEYVILLE BLVD	RTE 759 (BABBTOWN RD)	RTE 32 (CAROLINA RD)		0.2	0.4	0.4	0.4	1.05	1.04	0.0	0.0	1,436	0.0	0.1	0.1	0.0	1.36	1.32
SUF	WILROY RD	CONSTANCE RD	SUFFOLK BYPASS		-	-	-	-	-	-	-	-	211	-	-	-	-	-	-
SUF	WILROY RD	SUFFOLK BYPASS	NANSEMOND PKWY		-	-	-	-	-	-	-	-	481	-	-	-	-	-	-
SUR	ROUTE 10	PRINCE GEORGE CL	ROUTE 40		0.0	0.2	0.0	0.1	1.04	1.04	0.0	0.0	172	0.0	0.0	0.0	0.0	1.40	1.66
SUR	ROUTE 10	ROUTE 40	ROUTE 31 (SOUTH)		0.1	0.2	0.2	0.0	1.03	1.04	0.0	0.0	186	0.0	0.0	0.0	0.0	1.29	1.54
SUR	ROUTES 10/31	ROUTE 31 (SOUTH)	ROUTE 31 (NORTH)		0.1	0.6	0.7	0.9	1.09	1.09	0.0	0.0	361	0.0	0.0	0.0	0.0	1.28	1.34
SUR	ROUTE 10	ROUTE 31 (NORTH)	ROUTE 617		0.0	0.4	0.3	0.2	1.04	1.05	0.0	0.0	370	0.0	0.0	0.0	0.0	1.39	1.40
SUR	ROUTE 10	ROUTE 617	ISLE OF WIGHT CL		0.0	0.4	0.3	0.1	1.04	1.05	0.0	0.0	295	0.0	0.0	0.0	0.0	1.39	1.40
SUR	ROUTE 31	SUSSEX CL	ROUTE 630		-	-	-	-	-	-	-	-	54	-	-	-	-	-	-
SUR	ROUTE 31	ROUTE 630	ROUTE 10 (SOUTH)		-	-	-	-	-	-	-	-	55	-	-	-	-	-	-
SUR	ROUTE 31	ROUTE 10 (NORTH)	JAMESTOWN-SCOTLAND FERRY		-	-	-	-	-	-	-	-	36	-	-	-	-	-	-
SUR	ROUTE 40	SUSSEX CL	ROUTE 615		0.0	0.1	0.0	0.1	1.05	1.04	0.0	0.0	79	0.0	0.0	0.0	0.0	1.18	1.22
SUR	ROUTE 40	ROUTE 615	ROUTE 10		0.0	0.0	0.1	0.0	1.04	1.04	0.0	0.0	61	0.0	0.0	0.0	0.0	2.35	1.28
VB	21ST ST	PARKS AVE	PACIFIC AVE		9.5	-	39.5	-	1.40	-	0.0	-	330	0.4	-	0.7	-	1.96	-
VB	21ST ST	PACIFIC AVE	ATLANTIC AVE		1.1	-	9.9	-	1.40	-	0.0	-	99	0.1	-	0.1	-	1.96	-
VB	22ND ST	PARKS AVE	PACIFIC AVE		-	15.7	-	63.5	-	1.33	-	0.0	167	-	0.2	-	0.7	-	1.71
VB	22ND ST	PACIFIC AVE	ATLANTIC AVE		-	0.0	-	0.0	-	1.33	-	0.0	45	-	0.0	-	0.2	-	1.71
VB	30TH ST	LASKIN RD	PACIFIC AVE		-	-	-	-	-	-	-	-	32	-	-	-	-	-	-
VB	30TH ST	PACIFIC AVE	ATLANTIC AVE		-	-	-	-	-	-	-	-	25	-	-	-	-	-	-
VB	ATLANTIC AVE	FORT STORY	83RD ST		-	-	-	-	-	-	-	-	63	-	-	-	-	-	-
VB	ATLANTIC AVE	83RD ST	PACIFIC AVE		2.2	0.7	4.5	4.6	1.11	1.10	0.0	0.0	231	0.0	0.0	0.0	0.0	1.27	1.25
VB	ATLANTIC AVE	PACIFIC AVE	LASKIN RD		1.5	0.3	4.1	1.5	1.28	1.23	0.0	0.0	128	0.1	0.0	0.2	0.0	1.67	1.60
VB	ATLANTIC AVE	LASKIN RD	22ND ST		1.8	0.9	12.7	7.5	1.33	1.23	0.0	0.0	105	0.2	0.0	0.1	0.1	1.70	1.71
VB	ATLANTIC AVE	22ND ST	21ST ST		2.5	1.8	20.0	28.0	1.77	1.71	3.0	3.0	111	0.1	0.0	0.1	0.2	4.08	2.79
VB	ATLANTIC AVE	21ST ST	VA BEACH BLVD		1.5	0.5	13.0	8.8	1.43	1.42	0.0	0.0	85	0.1	0.0	0.1	0.1	2.31	1.87
VB	ATLANTIC AVE	VA BEACH BLVD	5TH ST		12.4	9.2	12.4	19.2	1.27	1.27	0.0	0.0	82	0.1	0.1	0.0	0.1	1.58	1.71
VB	BAXTER RD	PRINCESS ANNE RD	INDEPENDENCE BLVD		36.7	6.7	51.2	30.5	1.33	1.25	0.3	0.0	208	0.6	0.1	0.2	0.2	2.01	1.59
VB	BIRDNECK RD	GENERAL BOOTH BLVD	NORFOLK AVE		1.0	3.1	2.5	1.4	1.12	1.18	0.0	0.0	172	0.0	0.0	0.0	0.0	1.36	1.43
VB	BIRDNECK RD	NORFOLK AVE	VA BEACH BLVD		1.0	3.1	2.5	1.4	1.12	1.18	0.0	0.0	172	0.0	0.0	0.0	0.0	1.36	1.43
VB	BIRDNECK RD	VA BEACH BLVD	I-264		1.9	9.1	15.6	29.4	1.24	1.34	0.0	0.0	392	0.0	0.2	0.1	0.2	1.65	1.94
VB	BIRDNECK RD	I-264	LASKIN RD		12.4	7.3	28.1	20.3	1.38	1.29	0.3	0.2	335	0.3	0.1	0.2	0.1	1.92	1.68
VB	BLACKWATER RD	PUNGO FERRY RD	CHESAPEAKE CL		-	-	-	-	-	-	-	-	185	-	-	-	-	-	-
VB	BONNEY RD	INDEPENDENCE BLVD	ROSEMONT RD		-	-	-	-	-	-	-	-	187	-	-	-	-	-	-
VB	CENTERVILLE TNPK	CHESAPEAKE CL	LYNNHAVEN PKWY		8.6	1.4	5.1	8.3	1.19	1.12	0.0	0.0	513	0.4	0.1	0.1	0.1	1.51	1.31
VB	CENTERVILLE TNPK	LYNNHAVEN PKWY	KEMPSVILLE RD		16.4	1.6	7.8	13.2	1.19	1.12	0.0	0.0	687	0.5	0.2	0.2	0.1	1.51	1.31
VB	CENTERVILLE TNPK	KEMPSVILLE RD	JAKE SEARS RD		20.5	2.6	10.6	26.2	1.20	1.19	0.0	0.0	792	0.6	0.3	0.3	0.3	1.51	1.53
VB	CENTERVILLE TNPK	JAKE SEARS RD	INDIAN RIVER RD		19.7	3.1	12.3	27.4	1.20	1.19	0.0	0.0	813	0.6	0.3	0.4	0.3	1.51	1.53
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	SHORE DR	TOLL PLAZA		3.5	0.0	6.1	0.1	1.30	1.05	0.0	0.0	1,292	0.5	0.0	0.5	0.0	2.06	1.13
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	TOLL PLAZA	NCL VA BEACH		0.3	0.3	0.3	0.4	1.07	1.05	0.0	0.0	1,292	0.0	0.0	0.0	0.0	1.45	1.42
VB	CLEVELAND ST	WITCHDUCK RD	KELLAM RD		-	-	-	-	-	-	-	-	111	-	-	-	-	-	-
VB	COLUMBUS ST	KELLAM RD	INDEPENDENCE BLVD		-	-	-	-	-	-	-	-	128	-	-	-	-	-	-
VB	COLUMBUS ST	INDEPENDENCE BLVD	CONSTITUTION DR		-	-	-	-	-	-	-	-	131	-	-	-	-	-	-
VB	CONSTITUTION DR	BONNEY RD	COLUMBUS ST		-	-	-	-	-	-	-	-	54	-	-	-	-	-	-
VB	CONSTITUTION DR	COLUMBUS ST	VIRGINIA BEACH BLVD		-	-	-	-	-	-	-	-	65	-	-	-	-	-	-
VB	DAM NECK RD	SALEM RD	VA BEACH AMPHITHEATER		0.8	0.5	0.2	2.8	1.06	1.12	0.0	0.1	85	0.0	0.0	0.0	0.0	1.26	1.38
VB	DAM NECK RD	VA BEACH AMPHITHEATER	PRINCESS ANNE RD		24.6	0.1	14.6	0.6	1.44	1.11	0.1	0.0	124	0.1	0.0	0.0	0.0	1.99	1.56
VB	DAM NECK RD	PRINCESS ANNE RD	ROSEMONT RD		20.5	9.4	34.2	71.0	1.25	1.24	0.2	0.0	552	0.4	0.3	0.3	0.8	1.60	1.64
VB	DAM NECK RD	ROSEMONT RD	HOLLAND RD		20.5	9.4	34.2	71.0	1.25	1.24	0.2	0.0	552	0.4	0.3	0.3	0.8	1.60	1.64
VB	DAM NECK RD	HOLLAND RD	DRAKESMILE RD		40.1	5.2	15.4	147.6	1.25	1.77	0.0	1.2	623	0.6	0.1	0.1	1.5	1.89	3.11
VB	DAM NECK RD	DRAKESMILE RD	LONDON BRIDGE RD		40.1	5.2	15.4	147.6	1.25	1.77	0.0	1.2	678	0.6	0.2	0.1	1.6	1.89	3.11

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	DAM NECK RD	LONDON BRIDGE RD	HARPERS RD		4.2	2.9	6.2	6.7	1.16	1.13	0.0	0.0	462	0.1	0.1	0.1	0.1	1.33	1.31
VB	DAM NECK RD	HARPERS RD	GENERAL BOOTH BLVD		4.3	2.5	5.4	6.0	1.16	1.13	0.0	0.0	407	0.1	0.1	0.1	0.1	1.33	1.31
VB	DAM NECK RD	GENERAL BOOTH BLVD	UPTON DR		-	-	-	-	-	-	-	-	558	-	-	-	-	-	-
VB	DAM NECK RD	UPTON DR	USN TRAINING CENTER		-	-	-	-	-	-	-	-	353	-	-	-	-	-	-
VB	DIAMOND SPRINGS RD	NEWTOWN RD	WESLEYAN RD		1.3	0.0	10.8	9.2	1.24	1.20	0.1	0.0	351	0.0	0.0	0.2	0.1	1.89	1.54
VB	DIAMOND SPRINGS RD	WESLEYAN RD	NORTHAMPTON BLVD		3.5	2.3	5.3	5.2	1.17	1.19	0.2	0.0	322	0.1	0.1	0.1	0.1	1.54	1.49
VB	DIAMOND SPRINGS RD	NORTHAMPTON BLVD	SHORE DR		4.3	16.6	9.8	16.7	1.16	1.34	0.0	0.3	733	0.1	0.5	0.2	0.3	1.46	1.91
VB	DRAKESMILE RD	DAM NECK RD	SHIPPS CORNER RD		28.0	2.8	27.2	28.2	1.41	1.37	0.6	0.6	575	1.0	0.2	0.5	0.5	2.25	2.35
VB	ELBOW RD	CHESAPEAKE CL	INDIAN RIVER RD (WEST)		0.4	0.6	2.2	2.8	1.07	1.10	0.0	0.0	63	0.0	0.0	0.0	0.0	1.27	1.39
VB	ELBOW RD/INDIAN RIVER RD	INDIAN RIVER RD (WEST)	INDIAN RIVER RD (EAST)		0.6	1.0	3.7	3.6	1.07	1.10	0.0	0.0	477	0.0	0.0	0.0	0.0	1.27	1.39
VB	ELBOW RD	INDIAN RIVER RD (EAST)	SALEM RD		1.6	2.7	0.7	31.2	1.15	1.40	0.1	0.0	82	0.0	0.0	0.0	0.1	1.40	2.17
VB	FERRELL PKWY	INDIAN RIVER RD	INDIAN LAKES BLVD		4.2	35.4	2.5	18.1	1.19	1.17	0.0	0.0	916	0.1	0.5	0.0	0.3	1.79	2.20
VB	FERRELL PKWY	INDIAN LAKES BLVD	PLEASANT VALLEY RD		0.0	5.4	0.0	28.1	1.05	1.12	0.0	0.0	830	0.0	0.1	0.0	0.4	1.20	1.28
VB	FERRELL PKWY	PLEASANT VALLEY RD	PRINCESS ANNE RD		0.0	5.5	0.0	29.1	1.05	1.12	0.0	0.0	790	0.0	0.1	0.0	0.4	1.20	1.28
VB	FIRST COLONIAL RD	VA BEACH BLVD	I-264		23.2	82.3	107.2	102.2	1.65	1.67	2.0	2.0	332	0.3	1.1	0.5	1.7	2.86	2.65
VB	FIRST COLONIAL RD	I-264	LASKIN RD		7.6	3.7	39.0	59.0	1.17	1.23	0.0	0.1	355	0.1	0.1	0.2	0.8	1.36	1.54
VB	FIRST COLONIAL RD	LASKIN RD	OLD DONATION PKWY		9.2	4.5	39.7	55.3	1.17	1.23	0.0	0.1	396	0.1	0.1	0.2	0.9	1.36	1.54
VB	FIRST COLONIAL RD	OLD DONATION PKWY	GREAT NECK RD		3.3	2.1	21.5	20.1	1.17	1.23	0.0	0.1	396	0.1	0.1	0.2	0.9	1.36	1.54
VB	GENERAL BOOTH BLVD	PRINCESS ANNE RD	NIMMO PKWY		3.1	0.8	20.3	29.6	1.16	1.21	0.0	0.0	853	0.1	0.0	0.2	0.4	1.36	1.48
VB	GENERAL BOOTH BLVD	NIMMO PKWY	LONDON BRIDGE RD		3.1	0.8	20.3	29.6	1.16	1.21	0.0	0.0	771	0.1	0.0	0.2	0.3	1.36	1.48
VB	GENERAL BOOTH BLVD	LONDON BRIDGE RD	DAM NECK RD		2.4	0.7	16.9	24.4	1.16	1.21	0.0	0.0	684	0.1	0.0	0.2	0.3	1.36	1.48
VB	GENERAL BOOTH BLVD	DAM NECK RD	OCEANA BLVD/PROSPERITY RD		9.8	17.5	17.7	71.2	1.23	1.38	0.0	0.1	776	0.1	0.3	0.2	0.4	1.69	1.95
VB	GENERAL BOOTH BLVD	OCEANA BLVD/PROSPERITY RD	BIRDNECK RD		2.0	3.4	3.5	7.8	1.16	1.18	0.0	0.0	343	0.0	0.1	0.0	0.1	1.46	1.48
VB	GENERAL BOOTH BLVD	BIRDNECK RD	HARBOUR POINT		0.5	1.1	1.9	2.7	1.09	1.12	0.0	0.0	274	0.0	0.0	0.0	0.0	1.28	1.30
VB	GREAT NECK RD	VA BEACH BLVD	OLD DONATION PKWY		0.5	4.1	1.4	29.0	1.10	1.21	0.0	0.0	3,990	0.0	0.1	0.0	0.2	1.28	1.53
VB	GREAT NECK RD	OLD DONATION PKWY	FIRST COLONIAL RD		2.2	0.2	3.7	10.5	1.14	1.13	0.0	0.0	3,639	0.0	0.0	0.0	0.0	1.48	1.40
VB	GREAT NECK RD	FIRST COLONIAL RD	SHOREHAVEN RD		6.7	5.7	17.0	9.9	1.13	1.11	0.0	0.0	3,461	0.1	0.1	0.0	0.1	1.32	1.32
VB	GREAT NECK RD	SHOREHAVEN RD	SHORE DR		5.7	4.7	13.9	8.6	1.13	1.11	0.0	0.0	280	0.1	0.1	0.0	0.1	1.32	1.32
VB	HARPERS RD	DAM NECK RD	OCEANA BLVD		-	-	-	-	-	-	-	-	140	-	-	-	-	-	-
VB	HAYGOOD RD	NEWTOWN RD	WESLEYAN DR		-	-	-	-	-	-	-	-	84	-	-	-	-	-	-
VB	HAYGOOD RD	WESLEYAN DR	INDEPENDENCE BLVD		6.3	4.6	12.5	5.0	1.18	1.15	0.1	0.0	186	0.2	0.1	0.1	0.0	1.47	1.59
VB	HOLLAND RD	INDEPENDENCE BLVD	SOUTH PLAZA TRAIL		5.5	8.5	33.8	46.1	1.20	1.25	0.0	0.1	470	0.1	0.1	0.4	0.5	1.41	1.56
VB	HOLLAND RD	SOUTH PLAZA TRAIL	ROSEMONT RD		5.2	7.2	30.0	46.4	1.20	1.25	0.0	0.1	485	0.1	0.1	0.4	0.5	1.41	1.56
VB	HOLLAND RD	ROSEMONT RD	LYNNHAVEN PKWY		2.3	3.7	19.4	10.4	1.23	1.26	0.0	0.0	355	0.0	0.0	0.3	0.1	1.56	1.59
VB	HOLLAND RD	LYNNHAVEN PKWY	DAM NECK RD		6.3	14.9	40.1	28.6	1.24	1.28	0.0	0.1	409	0.1	0.3	0.3	0.2	1.57	1.74
VB	HOLLAND RD	DAM NECK RD	NIMMO PKWY		0.8	1.1	1.2	0.2	1.22	1.17	0.0	0.0	208	0.1	0.1	0.0	0.0	1.60	1.54
VB	HOLLAND RD	NIMMO PKWY	PRINCESS ANNE RD		0.8	1.1	1.2	0.2	1.22	1.17	0.0	0.0	48	0.0	0.0	0.0	0.0	1.60	1.54
VB	I-64	NORFOLK CL	INDIAN RIVER RD	EB	0.1	-	31.6	-	1.12	-	0.0	-	2,477	0.0	-	0.6	-	1.76	-
				WB	-	142.5	-	373.1	-	1.82	-	1.9	2,313	-	4.1	-	7.0	-	3.10
VB	I-64	INDIAN RIVER RD	CHESEAPEAKE CL	EB	1.0	-	12.9	-	1.03	-	0.0	-	2,353	0.0	-	0.2	-	1.10	-
				WB	-	22.8	-	5.8	-	1.06	-	0.0	2,254	-	0.6	-	0.1	-	1.28
VB	I-264	NEWTOWN RD/ECL NORFOLK	WITCHDUCK RD	EB	8.7	-	202.8	-	1.39	-	0.4	-	1,889	0.2	-	1.8	-	2.12	-
				WB	-	19.2	-	62.9	-	1.05	-	0.0	2,027	-	0.3	-	0.9	-	1.53
VB	I-264	WITCHDUCK RD	INDEPENDENCE BLVD	EB	0.1	-	16.6	-	1.06	-	0.0	-	1,978	0.0	-	0.1	-	1.17	-
				WB	-	27.6	-	28.8	-	1.04	-	0.0	1,987	-	0.4	-	0.3	-	1.28
VB	I-264	INDEPENDENCE BLVD	ROSEMONT RD	EB	0.4	-	1.4	-	1.05	-	0.0	-	1,539	0.0	-	0.0	-	1.09	-
				WB	-	38.4	-	11.3	-	1.04	-	0.0	1,575	-	0.7	-	0.1	-	1.37
VB	I-264	ROSEMONT RD	LYNNHAVEN PKWY	EB	0.3	-	2.2	-	1.04	-	0.0	-	1,429	0.0	-	0.0	-	1.09	-
				WB	-	22.4	-	6.6	-	1.05	-	0.0	1,474	-	0.4	-	0.1	-	1.08
VB	I-264	LYNNHAVEN PKWY	LONDON BRIDGE RD	EB	0.2	-	0.9	-	1.05	-	0.0	-	1,306	0.0	-	0.0	-	1.11	-
				WB	-	0.1	-	0.2	-	1.04	-	0.0	1,329	-	0.0	-	0.0	-	1.10
VB	I-264	LONDON BRIDGE RD	LASKIN RD	EB	0.2	-	0.9	-	1.05	-	0.0	-	1,093	0.0	-	0.0	-	1.11	-
				WB	-	0.1	-	0.2	-	1.04	-	0.0	1,159	-	0.0	-	0.0	-	1.10
VB	I-264	LASKIN RD	FIRST COLONIAL RD	EB	0.1	-	0.0	-	1.05	-	0.0	-	637	0.0	-	0.0	-	1.10	-
				WB	-	0.2	-	0.0	-	1.04	-	0.0	747	-	0.0	-	0.0	-	1.11
VB	I-264	FIRST COLONIAL RD	S.E. PARKWAY CORRIDOR	EB	0.0	-	0.0	-	1.04	-	0.0	-	526	0.0	-	0.0	-	1.12	-
				WB	-	0.0	-	0.0	-	1.05	-	0.0	542	-	0.0	-	0.0	-	1.13

DRAFT

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	I-264	S.E. PARKWAY CORRIDOR	BIRDNECK RD	EB	0.0	-	0.0	-	1.04	-	0.0	-	526	0.0	-	0.0	-	1.12	-
				WB	-	0.0	-	0.0	-	1.05	-	0.0	542	-	0.0	-	0.0	-	1.13
VB	I-264	BIRDNECK RD	PARKS AVE	EB	3.9	-	23.0	-	1.24	-	0.0	-	254	0.1	-	0.2	-	1.64	-
				WB	-	0.0	-	0.0	-	1.08	-	0.0	299	-	0.0	-	0.0	-	1.17
VB	INDEPENDENCE BLVD	INDIAN RIVER RD	SALEM RD		0.2	0.0	0.3	1.4	1.08	1.08	0.0	0.0	82	0.0	0.0	0.0	0.0	1.24	1.26
VB	INDEPENDENCE BLVD	SALEM RD	PRINCESS ANNE RD		3.3	0.3	6.8	1.6	1.33	1.22	0.1	0.2	224	0.1	0.0	0.1	0.0	1.76	1.73
VB	INDEPENDENCE BLVD	PRINCESS ANNE RD	LYNNHAVEN PKWY		12.0	19.3	28.5	41.8	1.34	1.42	0.1	0.1	339	0.2	0.3	0.2	0.2	1.81	2.10
VB	INDEPENDENCE BLVD	LYNNHAVEN PKWY	PLAZA TRAIL		3.3	6.0	19.8	9.5	1.21	1.19	0.0	0.0	341	0.1	0.1	0.1	0.1	1.53	1.53
VB	INDEPENDENCE BLVD	PLAZA TRAIL	HOLLAND RD		25.7	6.9	16.9	40.7	1.28	1.23	0.0	0.0	376	0.3	0.1	0.1	0.1	1.77	1.60
VB	INDEPENDENCE BLVD	HOLLAND RD	BAXTER RD		73.2	13.3	59.0	62.7	1.33	1.22	0.1	0.0	862	0.8	0.1	0.7	0.6	2.02	1.49
VB	INDEPENDENCE BLVD	BAXTER RD	I-264		10.5	91.9	16.6	48.7	1.23	1.55	0.0	2.0	1,068	0.1	0.8	0.3	0.6	1.74	4.20
VB	INDEPENDENCE BLVD	I-264	BONNEY RD		18.6	5.1	114.9	134.8	1.35	1.38	0.0	0.0	1,067	0.4	0.1	0.8	0.9	2.09	1.92
VB	INDEPENDENCE BLVD	BONNEY RD	COLUMBUS ST		18.6	5.1	114.9	134.8	1.35	1.38	0.0	0.0	853	0.3	0.1	0.7	0.7	2.09	1.92
VB	INDEPENDENCE BLVD	COLUMBUS ST	VA BEACH BLVD		8.4	3.2	87.6	103.5	1.35	1.38	0.0	0.0	638	0.2	0.1	0.5	0.5	2.09	1.92
VB	INDEPENDENCE BLVD	VA BEACH BLVD	JEANNE ST		0.4	0.0	6.6	75.5	1.18	1.22	0.2	0.0	575	0.0	0.0	0.0	0.5	1.49	1.68
VB	INDEPENDENCE BLVD	JEANNE ST	PEMBROKE BLVD		0.4	0.0	6.6	75.5	1.18	1.22	0.2	0.0	575	0.0	0.0	0.0	0.5	1.49	1.68
VB	INDEPENDENCE BLVD	PEMBROKE BLVD	HAYGOOD RD		1.7	3.2	24.5	20.6	1.24	1.22	0.0	0.0	526	0.0	0.0	0.1	0.1	1.58	1.50
VB	INDEPENDENCE BLVD	HAYGOOD RD	NORTHAMPTON BLVD		0.3	2.4	2.1	40.7	1.10	1.18	0.0	0.0	429	0.0	0.0	0.0	0.2	1.27	1.57
VB	INDEPENDENCE BLVD	NORTHAMPTON BLVD	SHORE DR		49.5	0.2	7.2	0.7	1.61	1.10	1.0	0.0	263	0.8	0.0	0.0	0.0	3.00	1.34
VB	INDIAN LAKES BLVD	FERRELL PKWY	INDIAN RIVER RD		-	-	-	-	-	-	-	-	122	-	-	-	-	-	-
VB	INDIAN RIVER RD	CHESAPEAKE CL	MILITARY HWY		10.0	5.1	28.5	17.0	1.21	1.14	0.0	0.0	477	0.1	0.1	0.3	0.2	1.55	1.38
VB	INDIAN RIVER RD	MILITARY HWY	PROVIDENCE RD		10.7	24.2	30.2	26.7	1.34	1.37	0.0	0.0	441	0.2	0.2	0.2	0.3	1.82	2.05
VB	INDIAN RIVER RD	PROVIDENCE RD	I-64		9.3	13.9	38.2	99.3	1.35	1.50	0.0	1.0	825	0.2	0.2	0.4	1.1	1.96	2.21
VB	INDIAN RIVER RD	I-64	CENTERVILLE TNPK		25.6	5.6	338.6	28.5	1.49	1.17	0.0	0.0	1,610	0.7	0.1	8.7	0.4	1.92	1.65
VB	INDIAN RIVER RD	CENTERVILLE TNPK	KEMPSVILLE RD		40.6	8.0	193.1	32.2	1.35	1.26	0.0	0.0	1,278	0.6	0.2	6.3	0.3	1.79	1.68
VB	INDIAN RIVER RD	KEMPSVILLE RD	FERRELL PKWY		1.8	57.3	0.0	127.4	1.13	1.47	0.0	0.2	1,311	0.0	1.4	0.0	1.3	1.43	2.18
VB	INDIAN RIVER RD	FERRELL PKWY	INDIAN LAKES BLVD		0.5	6.0	0.0	8.9	1.09	1.36	0.0	0.0	450	0.0	0.3	0.0	0.2	1.24	2.20
VB	INDIAN RIVER RD	INDIAN LAKES BLVD	LYNNHAVEN PKWY		5.6	1.9	6.9	8.9	1.22	1.21	0.2	0.0	734	0.4	0.1	0.1	0.2	2.03	1.82
VB	INDIAN RIVER RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		2.1	0.3	6.4	1.4	1.09	1.10	0.0	0.0	425	0.1	0.0	0.1	0.0	1.23	1.26
VB	INDIAN RIVER RD	INDEPENDENCE BLVD	ELBOW RD (WEST)		1.6	0.2	4.2	0.9	1.09	1.10	0.0	0.0	308	0.1	0.0	0.1	0.0	1.23	1.26
VB	INDIAN RIVER RD	ELBOW RD (EAST)	S.E. PARKWAY CORRIDOR		1.0	1.6	1.3	2.3	1.07	1.11	0.1	0.0	245	0.1	0.1	0.0	0.0	1.22	1.30
VB	INDIAN RIVER RD	S.E. PARKWAY CORRIDOR	NORTH LANDING RD		1.0	1.6	1.3	2.3	1.07	1.11	0.1	0.0	245	0.1	0.1	0.0	0.0	1.22	1.30
VB	INDIAN RIVER RD	NORTH LANDING RD	WEST NECK RD		0.3	0.5	0.4	1.1	1.05	1.06	0.0	0.1	191	0.0	0.0	0.0	0.0	1.15	1.17
VB	INDIAN RIVER RD	WEST NECK RD	PRINCESS ANNE RD		0.3	0.5	0.4	1.1	1.05	1.06	0.0	0.1	191	0.0	0.0	0.0	0.0	1.15	1.17
VB	INTERNATIONAL PKWY	LYNNHAVEN PKWY	LONDON BRIDGE RD		-	-	-	-	-	-	-	-	329	-	-	-	-	-	-
VB	KEMPSVILLE RD	CHESAPEAKE CL	CENTERVILLE TNPK		2.9	5.5	12.1	12.8	1.16	1.17	0.0	0.0	248	0.0	0.1	0.1	0.1	1.36	1.41
VB	KEMPSVILLE RD	CENTERVILLE TNPK	INDIAN RIVER RD		27.8	3.8	16.3	4.8	1.26	1.17	0.0	0.0	382	0.4	0.1	0.1	0.0	1.70	1.39
VB	KEMPSVILLE RD	INDIAN RIVER RD	PROVIDENCE RD		2.0	2.1	10.5	106.4	1.24	1.30	0.0	0.8	384	0.0	0.0	0.0	1.1	1.66	1.88
VB	KEMPSVILLE RD	PROVIDENCE RD	PRINCESS ANNE RD		31.0	8.6	36.4	58.0	1.27	1.27	0.5	0.0	414	0.2	0.1	0.3	0.8	1.74	1.71
VB	LASKIN RD	VA BEACH BLVD	FIRST COLONIAL RD		6.3	0.6	62.8	27.2	1.28	1.23	0.2	0.0	253	0.1	0.0	0.2	0.2	1.70	1.61
VB	LASKIN RD	FIRST COLONIAL RD	WINWOOD DR		0.9	1.1	9.2	35.3	1.15	1.27	0.0	0.3	250	0.0	0.0	0.0	0.2	1.44	1.72
VB	LASKIN RD	WINWOOD DR	BIRDNECK RD		0.9	1.1	9.2	35.3	1.15	1.27	0.0	0.3	186	0.0	0.0	0.0	0.2	1.44	1.72
VB	LASKIN RD	BIRDNECK RD	30TH ST/32ND ST		2.6	1.2	24.7	33.3	1.18	1.00	0.0	0.0	206	0.0	0.0	0.1	0.2	1.44	1.00
VB	LASKIN RD	30TH ST/32ND ST	PACIFIC AVE		0.4	0.1	4.1	6.6	1.18	1.00	0.0	0.0	57	0.0	0.0	0.0	0.0	1.44	1.00
VB	LASKIN RD/31ST ST	PACIFIC AVE	ATLANTIC AVE		0.9	0.0	11.7	22.1	1.60	1.54	2.0	1.0	32	0.0	0.0	0.0	0.1	2.91	2.29
VB	LONDON BRIDGE RD	GENERAL BOOTH BLVD	DAM NECK RD		2.4	8.0	16.9	9.6	1.15	1.17	0.1	0.0	320	0.1	0.1	0.1	0.1	1.37	1.39
VB	LONDON BRIDGE RD	DAM NECK RD	DRAKESMILE RD		1.5	5.3	7.2	7.5	1.15	1.17	0.1	0.0	197	0.0	0.1	0.1	0.1	1.37	1.39
VB	LONDON BRIDGE RD	SHIPPS CORNER RD/DRAKESMILE RD	INTERNATIONAL PKWY		5.4	3.6	13.2	19.7	1.14	1.11	0.0	0.0	255	0.0	0.0	0.1	0.1	1.43	1.33
VB	LONDON BRIDGE RD	INTERNATIONAL PKWY	POTTERS RD		4.5	4.4	13.8	13.7	1.14	1.11	0.0	0.0	900	0.2	0.1	0.2	0.2	1.43	1.33
VB	LONDON BRIDGE RD	POTTERS RD	I-264 RAMP		24.5	27.8	95.1	47.3	1.46	1.37	0.9	0.0	318	0.3	0.1	0.5	0.3	2.36	1.93
VB	LONDON BRIDGE RD	I-264 RAMP	VA BEACH BLVD		26.3	12.6	104.0	34.5	1.46	1.37	0.9	0.0	292	0.3	0.1	0.5	0.3	2.36	1.93
VB	LYNNHAVEN PKWY	CHESAPEAKE CL	CENTERVILLE TNPK		10.1	2.8	27.0	1.6	1.40	1.18	0.0	0.0	116	0.1	0.0	0.1	0.0	1.95	1.46
VB	LYNNHAVEN PKWY	CENTERVILLE TNPK	INDIAN RIVER RD		0.3	6.8	1.3	11.0	1.12	1.10	0.1	0.0	155	0.0	0.1	0.0	0.1	1.32	1.23
VB	LYNNHAVEN PKWY	INDIAN RIVER RD	SALEM RD		13.2	4.7	6.6	22.8	1.17	1.15	0.1	0.1	195	0.1	0.1	0.0	0.1	1.42	1.45
VB	LYNNHAVEN PKWY	SALEM RD	PRINCESS ANNE RD		7.5	5.1	12.4	9.0	1.44	1.37	0.1	0.0	161	0.1	0.1	0.1	0.0	2.17	2.02
VB	LYNNHAVEN PKWY	PRINCESS ANNE RD	INDEPENDENCE BLVD		8.7	3.4	15.1	37.2	1.17	1.20	0.0	0.0	172	0.1	0.1	0.1	0.1	1.38	1.47

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	LYNNHAVEN PKWY	INDEPENDENCE BLVD	ROSEMONT RD		12.9	4.5	19.9	51.7	1.17	1.20	0.0	0.0	284	0.1	0.1	0.1	0.1	1.38	1.47
VB	LYNNHAVEN PKWY	ROSEMONT RD	HOLLAND RD		11.3	3.1	16.0	43.7	1.17	1.20	0.0	0.0	195	0.1	0.1	0.1	0.1	1.38	1.47
VB	LYNNHAVEN PKWY	HOLLAND RD	S LYNNHAVEN RD		0.3	4.0	7.4	33.4	1.18	1.23	0.0	0.0	276	0.0	0.1	0.1	0.2	1.45	1.55
VB	LYNNHAVEN PKWY	S LYNNHAVEN RD	INTERNATIONAL PKWY		2.3	12.3	31.7	18.3	1.20	1.20	0.0	0.0	247	0.0	0.1	0.2	0.1	1.50	1.48
VB	LYNNHAVEN PKWY	INTERNATIONAL PKWY	POTTERS RD		1.9	7.3	43.4	28.5	1.20	1.20	0.0	0.0	382	0.0	0.1	0.4	0.2	1.50	1.48
VB	LYNNHAVEN PKWY	POTTERS RD	I-264		1.9	7.3	43.4	28.5	1.20	1.20	0.0	0.0	368	0.0	0.1	0.4	0.2	1.50	1.48
VB	LYNNHAVEN PKWY	I-264	VA BEACH BLVD		22.8	1.4	67.1	10.2	1.89	1.37	3.8	0.1	133	0.3	0.0	0.3	0.1	2.99	2.08
VB	MILITARY HWY	CHESAPEAKE CL	PROVIDENCE RD		9.7	14.2	44.5	52.2	1.19	1.18	0.0	0.0	643	0.2	0.3	0.5	0.8	1.45	1.43
VB	MILITARY HWY	PROVIDENCE RD	INDIAN RIVER RD		38.2	5.5	69.2	7.1	1.58	1.24	1.1	0.0	590	0.8	0.1	0.8	0.1	2.54	1.93
VB	MILITARY HWY	INDIAN RIVER RD	NORFOLK CL		10.9	15.4	22.9	73.4	1.15	1.19	0.0	0.0	679	0.2	0.4	0.3	0.7	1.41	1.55
VB	NEWTOWN RD	NORFOLK CL	BAKER RD		3.7	54.7	44.4	95.4	1.21	1.29	0.0	0.0	538	0.0	0.9	0.0	1.6	1.52	1.68
VB	NEWTOWN RD	BAKER RD	DIAMOND SPRINGS RD		3.7	23.2	30.2	64.7	1.21	1.29	0.0	0.0	409	0.0	0.4	0.5	0.5	1.52	1.68
VB	NEWTOWN RD	DIAMOND SPRINGS RD	HAYGOOD RD		-	-	-	-	-	-	-	-	73	-	-	-	-	-	-
VB	NIMMO PKWY	WEST NECK RD	PRINCESS ANNE RD		-	-	-	-	-	-	-	-	343	-	-	-	-	-	-
VB	NIMMO PKWY	PRINCESS ANNE RD	HOLLAND RD		-	-	-	-	-	-	-	-	429	-	-	-	-	-	-
VB	NIMMO PKWY	HOLLAND RD	GENERAL BOOTH BLVD		-	-	-	-	-	-	-	-	538	-	-	-	-	-	-
VB	NIMMO PKWY	GENERAL BOOTH BLVD	UPTON DR		-	-	-	-	-	-	-	-	521	-	-	-	-	-	-
VB	NORFOLK AVE	BIRDNECK RD	PACIFIC AVE		-	-	-	-	-	-	-	-	95	-	-	-	-	-	-
VB	NORFOLK AVE	PACIFIC AVE	ATLANTIC AVE		-	-	-	-	-	-	-	-	48	-	-	-	-	-	-
VB	NORTHAMPTON BLVD	WESLEYAN DR/NORFOLK CL	DIAMOND SPRINGS RD		38.8	45.4	46.5	87.0	1.22	1.38	0.2	0.0	2,709	1.7	1.7	1.1	3.7	1.69	2.06
VB	NORTHAMPTON BLVD	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		0.2	2.5	0.0	5.6	1.09	1.16	0.0	0.0	1,630	0.0	0.1	0.0	0.2	1.27	1.42
VB	NORTHAMPTON BLVD	INDEPENDENCE BLVD	SHORE DR		5.5	4.6	16.1	15.1	1.20	1.24	0.0	0.0	1,146	0.3	0.1	0.4	0.5	1.61	1.68
VB	NORTH LANDING RD	CHESAPEAKE CL	INDIAN RIVER RD		4.5	0.2	2.6	4.5	1.12	1.08	0.2	0.0	126	0.0	0.0	0.0	0.0	1.45	1.33
VB	NORTH LANDING RD	INDIAN RIVER RD	SALEM RD		1.7	0.6	0.5	4.6	1.07	1.08	0.0	0.1	137	0.0	0.0	0.0	0.0	1.18	1.21
VB	NORTH LANDING RD	SALEM RD	WEST NECK RD		1.7	0.6	0.5	4.6	1.07	1.08	0.0	0.1	137	0.0	0.0	0.0	0.0	1.18	1.21
VB	NORTH LANDING RD	WEST NECK RD	PRINCESS ANNE RD		1.7	0.6	0.5	4.6	1.07	1.08	0.0	0.1	137	0.0	0.0	0.0	0.0	1.18	1.21
VB	OCEANA BLVD	GENERAL BOOTH BLVD	HARPERS RD		1.2	14.5	12.7	72.4	1.23	1.48	0.0	0.1	438	0.0	0.3	0.1	0.4	1.66	2.12
VB	OCEANA BLVD	HARPERS RD	TOMCAT BLVD (NAS MAIN ENT)		4.0	0.1	21.5	4.9	1.13	1.09	0.0	0.0	438	0.0	0.0	0.2	0.0	1.42	1.23
VB	OCEANA BLVD/FIRST COLONIAL RD	TOMCAT BLVD (NAS MAIN ENT)	VA BEACH BLVD		4.4	0.1	27.6	5.2	1.13	1.09	0.0	0.0	512	0.1	0.0	0.2	0.0	1.42	1.23
VB	PACIFIC AVE	ATLANTIC AVE	LASKIN RD		2.8	0.0	6.3	5.0	1.22	1.22	0.0	0.0	274	0.0	0.0	0.0	0.0	1.64	1.54
VB	PACIFIC AVE	LASKIN RD	22ND ST		0.8	0.1	5.8	13.9	1.31	1.33	0.0	0.0	147	0.0	0.0	0.0	0.1	1.81	1.88
VB	PACIFIC AVE	22ND ST	21ST ST		6.4	19.1	69.2	70.8	1.94	1.61	4.0	3.0	230	0.3	0.2	0.7	0.5	3.74	2.61
VB	PACIFIC AVE	21ST ST	VA BEACH BLVD		5.1	5.1	49.9	18.0	1.51	1.42	1.0	0.0	252	0.2	0.1	0.4	0.2	2.22	2.12
VB	PACIFIC AVE	VA BEACH BLVD	NORFOLK AVE		0.2	1.6	4.7	7.6	1.21	1.17	0.0	0.0	268	0.0	0.0	0.1	0.1	1.53	1.48
VB	PACIFIC AVE	NORFOLK AVE	HARBOUR POINT		0.3	1.9	5.5	8.0	1.21	1.17	0.0	0.0	211	0.0	0.0	0.0	0.0	1.53	1.48
VB	PEMBROKE BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		7.7	1.7	16.0	4.4	1.63	1.22	1.1	0.0	108	0.1	0.0	0.1	0.1	2.38	1.71
VB	PLAZA TRAIL, S.	PRINCESS ANNE RD	INDEPENDENCE BLVD		3.6	8.4	11.3	15.3	1.26	1.23	0.0	0.3	113	0.0	0.0	0.1	0.0	1.83	1.63
VB	PLAZA TRAIL, S.	INDEPENDENCE BLVD	HOLLAND RD		0.4	4.5	4.7	15.9	1.32	1.32	0.0	0.1	45	0.0	0.0	0.0	0.0	1.82	1.87
VB	PLAZA TRAIL, S.	HOLLAND RD	MARINA LAKE RD		2.3	1.3	6.2	5.2	1.16	1.11	0.0	0.0	37	0.0	0.0	0.0	0.0	1.34	1.33
VB	PLAZA TRAIL, S.	MARINA LAKE RD	ROSEMONT RD		2.3	1.3	6.2	5.2	1.16	1.11	0.0	0.0	37	0.0	0.0	0.0	0.0	1.34	1.33
VB	PLAZA TRAIL, S.	ROSEMONT RD	CONTINENTAL ST		-	-	-	-	-	-	-	-	39	-	-	-	-	-	-
VB	PLAZA TRAIL, S.	CONTINENTAL ST	VA BEACH BLVD		-	-	-	-	-	-	-	-	39	-	-	-	-	-	-
VB	PRINCESS ANNE RD	NEWTOWN RD/NORFOLK CL	KEMPSVILLE RD		12.1	6.1	20.7	14.9	1.18	1.15	0.2	0.1	292	0.1	0.2	0.1	0.1	1.49	1.41
VB	PRINCESS ANNE RD	KEMPSVILLE RD	BAXTER RD		31.2	12.7	45.1	44.1	1.36	1.41	0.0	0.6	212	0.3	0.1	0.2	0.3	1.98	2.26
VB	PRINCESS ANNE RD	BAXTER RD	PROVIDENCE RD		17.2	3.4	26.8	39.2	1.25	1.22	0.0	0.0	471	0.3	0.1	0.3	0.2	1.55	1.58
VB	PRINCESS ANNE RD	PROVIDENCE RD	FERRELL PKWY		3.1	5.3	10.2	30.2	1.24	1.24	0.0	0.0	266	0.0	0.0	0.0	0.2	1.68	1.69
VB	PRINCESS ANNE RD	FERRELL PKWY	LYNNHAVEN PKWY		3.6	11.7	16.7	39.8	1.24	1.24	0.0	0.0	1,072	0.1	0.3	0.2	0.3	1.68	1.69
VB	PRINCESS ANNE RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		22.5	5.7	0.0	4.0	1.20	1.20	0.0	0.0	842	0.3	0.1	0.0	0.0	1.43	1.49
VB	PRINCESS ANNE RD	INDEPENDENCE BLVD	DAM NECK RD		24.9	6.7	0.0	4.1	1.20	1.20	0.0	0.0	1,015	0.6	0.1	0.0	0.0	1.43	1.49
VB	PRINCESS ANNE RD	DAM NECK RD	S.E. PARKWAY CORRIDOR		3.4	0.8	8.2	21.3	1.11	1.13	0.0	0.0	410	0.0	0.0	0.1	0.3	1.25	1.32
VB	PRINCESS ANNE RD	S.E. PARKWAY CORRIDOR	NIMMO PKWY		3.4	0.8	8.2	21.3	1.11	1.13	0.0	0.0	410	0.0	0.0	0.1	0.3	1.25	1.32
VB	PRINCESS ANNE RD	NIMMO PKWY	NORTH LANDING RD		3.4	0.8	8.2	21.3	1.11	1.13	0.0	0.0	83	0.0	0.0	0.0	0.1	1.25	1.32
VB	PRINCESS ANNE RD	NORTH LANDING RD	HOLLAND RD		0.7	0.5	2.2	2.1	1.10	1.07	0.0	0.0	256	0.0	0.0	0.0	0.0	1.26	1.22
VB	PRINCESS ANNE RD	HOLLAND RD	SEABOARD RD		0.7	0.5	2.2	2.1	1.10	1.07	0.0	0.0	251	0.0	0.0	0.0	0.0	1.26	1.22
VB	PRINCESS ANNE RD	SEABOARD RD	GENERAL BOOTH BLVD		0.7	0.5	2.2	2.1	1.10	1.07	0.0	0.0	251	0.0	0.0	0.0	0.0	1.26	1.22
VB	PRINCESS ANNE RD	GENERAL BOOTH BLVD	SANDBRIDGE RD/UPTON DR		0.9	1.9	5.6	6.9	1.22	1.15	0.0	0.0	339	0.0	0.1	0.1	0.1	1.62	1.41

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
VB	PRINCESS ANNE RD	SANDBRIDGE RD/UPTON DR	SEABOARD RD		0.9	0.1	1.5	1.2	1.13	1.07	0.0	0.0	275	0.0	0.0	0.0	0.0	1.28	1.24
VB	PRINCESS ANNE RD	SEABOARD RD	INDIAN RIVER RD		1.1	0.1	1.5	1.2	1.13	1.07	0.0	0.0	298	0.0	0.0	0.0	0.0	1.28	1.24
VB	PRINCESS ANNE RD	INDIAN RIVER RD	PUNGO FERRY RD		0.2	0.2	0.4	0.1	1.05	1.04	0.0	0.0	149	0.0	0.0	0.0	0.0	1.12	1.10
VB	PRINCESS ANNE RD	PUNGO FERRY RD	NORTH CAROLINA STATE LINE		0.1	0.1	0.2	0.0	1.05	1.04	0.0	0.0	385	0.0	0.0	0.0	0.0	1.12	1.10
VB	PROVIDENCE RD	CHESAPEAKE CL	MILITARY HWY		5.2	1.4	6.0	5.6	1.17	1.15	0.0	0.0	119	0.1	0.0	0.0	0.0	1.48	1.41
VB	PROVIDENCE RD	MILITARY HWY	INDIAN RIVER RD		2.1	15.2	14.6	13.7	1.28	1.34	0.1	0.1	141	0.0	0.2	0.2	0.0	1.63	1.77
VB	PROVIDENCE RD	INDIAN RIVER RD	KEMPSVILLE RD		5.4	5.5	41.6	11.9	1.22	1.18	0.0	0.0	186	0.1	0.1	0.2	0.1	1.56	1.44
VB	PROVIDENCE RD	KEMPSVILLE RD	PRINCESS ANNE RD		3.3	5.3	19.4	15.9	1.12	1.15	0.0	0.0	141	0.1	0.1	0.1	0.1	1.32	1.33
VB	PUNGO FERRY RD	BLACKWATER RD	PRINCESS ANNE RD		-	-	-	-	-	-	-	-	198	-	-	-	-	-	-
VB	ROSEMONT RD	DAM NECK RD	BUCKNER BLVD		0.2	3.0	0.5	14.8	1.13	1.13	0.0	0.1	244	0.0	0.0	0.0	0.3	1.39	1.37
VB	ROSEMONT RD	BUCKNER BLVD	LYNNHAVEN PKWY		0.2	3.8	0.6	17.1	1.13	1.13	0.0	0.1	352	0.0	0.1	0.0	0.3	1.39	1.37
VB	ROSEMONT RD	LYNNHAVEN PKWY	HOLLAND RD		4.6	5.7	10.9	15.9	1.20	1.22	0.0	0.0	374	0.2	0.1	0.1	0.3	1.45	1.54
VB	ROSEMONT RD	HOLLAND RD	PLAZA TRAIL		2.5	5.6	6.4	49.9	1.14	1.29	0.0	0.0	281	0.0	0.1	0.0	0.2	1.37	1.71
VB	ROSEMONT RD	PLAZA TRAIL	I-264		37.4	5.6	46.2	55.6	1.36	1.29	0.0	0.0	288	0.4	0.1	0.2	0.2	2.01	1.71
VB	ROSEMONT RD	I-264	VA BEACH BLVD		89.0	31.8	172.3	85.2	1.87	1.47	3.8	1.1	432	1.7	0.2	0.9	0.8	3.19	2.33
VB	SALEM RD	NORTH LANDING RD	ELBOW RD		-	-	-	-	-	-	-	-	361	-	-	-	-	-	-
VB	SALEM RD	ELBOW RD	INDEPENDENCE BLVD		1.0	2.1	5.4	5.3	1.16	1.16	0.1	0.1	212	0.0	0.0	0.1	0.0	1.53	1.47
VB	SALEM RD	INDEPENDENCE BLVD	LYNNHAVEN PKWY		1.1	2.8	2.1	1.6	1.27	1.22	0.1	0.0	212	0.0	0.1	0.0	0.0	1.81	1.63
VB	SALEM RD	LYNNHAVEN PKWY	PRINCESS ANNE RD		5.8	4.2	9.1	6.6	1.32	1.30	0.6	0.0	212	0.1	0.1	0.1	0.0	1.95	1.80
VB	SANDBRIDGE RD	PRINCESS ANNE RD	ATWOODTOWN RD		-	-	-	-	-	-	-	-	116	-	-	-	-	-	-
VB	SANDBRIDGE RD	ATWOODTOWN RD	SANDPIPER DR		-	-	-	-	-	-	-	-	69	-	-	-	-	-	-
VB	SEABOARD RD	PRINCESS ANNE RD (AT PUNGO FIELD)	PRINCESS ANNE RD (AT P.A. ELEMENTARY)		-	-	-	-	-	-	-	-	67	-	-	-	-	-	-
VB	SEABOARD RD	PRINCESS ANNE RD (AT P.A. ELEMENTA	NIMMO PKWY		-	-	-	-	-	-	-	-	125	-	-	-	-	-	-
VB	SHORE DRIVE	NORFOLK CL	DIAMOND SPRINGS RD		7.2	3.8	44.5	5.6	1.26	1.09	0.0	0.0	438	0.1	0.0	0.3	0.0	2.15	1.30
VB	SHORE DRIVE	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		20.2	5.6	11.9	11.1	1.26	1.20	0.0	0.0	328	0.2	0.1	0.1	0.1	1.91	1.55
VB	SHORE DRIVE	INDEPENDENCE BLVD	PLEASURE HOUSE RD		5.3	6.2	17.7	7.6	1.30	1.29	0.0	0.0	237	0.1	0.1	0.1	0.1	1.87	1.83
VB	SHORE DRIVE	PLEASURE HOUSE RD	NORTHAMPTON BLVD		5.3	11.2	29.5	34.0	1.32	1.44	0.0	0.0	237	0.1	0.1	0.2	0.3	2.01	2.22
VB	SHORE DRIVE	NORTHAMPTON BLVD	GREAT NECK RD		6.5	7.0	26.8	11.1	1.17	1.16	0.1	0.1	449	0.1	0.1	0.1	0.1	1.48	1.54
VB	SHORE DRIVE	GREAT NECK RD	ATLANTIC AVE		0.3	0.3	0.1	2.0	1.06	1.09	0.0	0.0	186	0.0	0.0	0.0	0.0	1.19	1.24
VB	UPTON DR	NIMMO PKWY	PRINCESS ANNE RD		-	-	-	-	-	-	-	-	425	-	-	-	-	-	-
VB	VA BEACH BLVD	NEWTOWN RD/NORFOLK CL	WITCHDUCK RD		9.4	5.9	28.7	49.2	1.21	1.30	0.0	0.0	450	0.2	0.1	0.2	0.4	1.62	1.71
VB	VA BEACH BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		2.3	2.7	19.8	15.1	1.31	1.29	0.0	0.0	484	0.1	0.1	0.2	0.1	1.79	1.69
VB	VA BEACH BLVD	INDEPENDENCE BLVD	CONSTITUTION DR		7.2	2.6	34.3	44.6	1.18	1.21	0.0	0.0	475	0.1	0.1	0.2	0.3	1.45	1.49
VB	VA BEACH BLVD	CONSTITUTION DR	ROSEMONT RD		7.2	2.6	34.3	44.6	1.18	1.21	0.0	0.0	516	0.2	0.1	0.3	0.3	1.45	1.49
VB	VA BEACH BLVD	ROSEMONT RD	S. PLAZA TRAIL/LITTLE NECK RD		14.9	10.7	43.5	75.8	1.22	1.23	0.0	0.0	561	0.3	0.1	0.3	0.3	1.48	1.53
VB	VA BEACH BLVD	S. PLAZA TRAIL/LITTLE NECK RD	LYNNHAVEN PKWY		10.1	6.0	30.6	54.4	1.22	1.23	0.0	0.0	396	0.2	0.1	0.2	0.2	1.48	1.53
VB	VA BEACH BLVD	LYNNHAVEN PKWY	GREAT NECK RD		15.2	24.1	48.5	60.3	1.25	1.35	0.0	0.0	237	0.2	0.2	0.1	0.3	1.57	1.76
VB	VA BEACH BLVD	GREAT NECK RD	LASKIN RD		11.9	17.1	40.9	49.9	1.25	1.35	0.0	0.0	272	0.2	0.2	0.1	0.3	1.57	1.76
VB	VA BEACH BLVD	LASKIN RD	FIRST COLONIAL RD		23.5	2.1	34.7	2.6	1.27	1.12	0.0	0.0	563	0.5	0.1	0.3	0.1	1.65	1.45
VB	VA BEACH BLVD	FIRST COLONIAL RD	N OCEANA BLVD		1.2	5.1	5.4	9.9	1.13	1.19	0.0	0.0	321	0.0	0.1	0.0	0.2	1.38	1.43
VB	VA BEACH BLVD	N OCEANA BLVD	BIRDNECK RD		0.9	3.0	3.7	7.2	1.13	1.19	0.0	0.0	260	0.0	0.1	0.0	0.2	1.38	1.43
VB	VA BEACH BLVD	BIRDNECK RD	PACIFIC AVE		2.7	1.2	2.9	2.5	1.15	1.15	0.0	0.0	214	0.1	0.0	0.0	0.0	1.38	1.37
VB	VA BEACH BLVD	PACIFIC AVE	ATLANTIC AVE		1.1	2.0	18.0	22.8	1.28	1.27	0.0	0.0	61	0.0	0.0	0.3	0.3	1.95	1.66
VB	WESLEYAN DR	NORFOLK CL	BAKER RD		5.7	9.1	26.4	19.6	1.19	1.21	0.0	0.4	170	0.1	0.1	0.1	0.1	1.47	1.54
VB	WESLEYAN DR	BAKER RD	DIAMOND SPRINGS RD		4.0	6.2	18.7	16.0	1.19	1.21	0.0	0.4	138	0.1	0.1	0.1	0.1	1.47	1.54
VB	WESLEYAN DR	DIAMOND SPRINGS RD	HAYGOOD DR		3.0	2.7	0.0	6.7	1.12	1.17	0.1	0.0	166	0.1	0.0	0.0	0.0	1.37	1.41
VB	WEST NECK RD	NIMMO PKWY	NORTH LANDING RD		-	-	-	-	-	-	-	-	294	-	-	-	-	-	-
VB	WEST NECK RD	NORTH LANDING RD	INDIAN RIVER RD		-	-	-	-	-	-	-	-	168	-	-	-	-	-	-
VB	WITCHDUCK RD	PRINCESS ANNE RD	I-264		70.8	4.5	69.8	22.1	1.50	1.26	0.6	0.0	462	0.7	0.1	0.4	0.4	2.21	1.70
VB	WITCHDUCK RD	I-264	VA BEACH BLVD		75.2	37.6	167.6	172.9	1.37	1.38	0.1	0.0	487	0.4	0.3	0.6	1.9	1.96	1.90
VB	WITCHDUCK RD	VA BEACH BLVD	PEMBROKE BLVD		0.1	1.2	0.0	12.2	1.11	1.17	0.0	0.0	160	0.0	0.0	0.0	0.1	1.27	1.42
WMB	BOUNDARY ST	JAMESTOWN RD	FRANCIS ST		3.4	2.1	27.7	16.4	1.27	1.24	0.0	0.0	91	0.1	0.0	0.2	0.1	1.91	1.58
WMB	BYPASS RD	RICHMOND RD	YORK CL		1.9	4.5	25.6	42.2	1.20	1.23	0.0	0.0	233	0.0	0.1	0.1	0.2	1.46	1.59
WMB	BYPASS RD	ROUTE 132/YORK CL	PAGE ST		1.4	2.5	6.2	6.8	1.15	1.17	0.0	0.0	224	0.0	0.1	0.1	0.1	1.58	1.41
WMB	CAPITOL LANDING RD	BYPASS RD	MERRIMAC TRAIL		0.6	1.2	0.2	0.4	1.09	1.09	0.0	0.0	126	0.0	0.0	0.0	0.0	1.41	1.34
WMB	COLONIAL NATL HIST PKWY	JAMES CITY CL/RTE 199	YORK CL		-	-	-	-	-	-	-	-	21	-	-	-	-	-	-

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA							
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
WMB	FRANCIS ST	BOUNDARY ST	HENRY ST		0.7	0.0	6.0	5.2	1.12	1.12	0.0	0.0	67	0.0	0.0	0.0	0.0	1.31	1.38
WMB	HENRY ST S.	ROUTE 199	FRANCIS ST		0.0	0.1	0.2	0.1	1.07	1.07	0.0	0.0	37	0.0	0.0	0.0	0.0	1.22	1.23
WMB	HENRY ST	FRANCIS ST	LAFAYETTE ST		0.1	0.7	9.6	7.7	1.19	1.17	0.0	0.0	53	0.0	0.0	0.1	0.1	1.50	1.56
WMB	HENRY ST N.	LAFAYETTE ST	RTE 132Y		0.3	1.8	0.1	1.9	1.13	1.20	0.0	0.0	127	0.0	0.0	0.0	0.0	1.46	1.64
WMB	IRONBOUND RD	JAMES CITY CL	DEPUE DR		0.4	0.0	0.4	1.0	1.12	1.20	0.0	0.1	148	0.0	0.0	0.0	0.0	1.30	1.59
WMB	IRONBOUND RD	DEPUE DR	LONGHILL RD		1.6	1.7	15.0	4.6	1.34	1.22	0.0	0.0	93	0.0	0.0	0.1	0.0	1.75	1.79
WMB	IRONBOUND RD	LONGHILL RD	RICHMOND RD		7.4	12.3	62.4	26.7	1.65	1.32	3.0	0.0	115	0.1	0.2	0.2	0.1	2.96	1.86
WMB	JAMESTOWN RD	JAMES CITY CL	RTE 199		1.4	0.4	3.6	1.4	1.10	1.06	0.0	0.0	183	0.0	0.0	0.0	0.0	1.26	1.17
WMB	JAMESTOWN RD	RTE 199	JOHN TYLER LN		5.5	3.7	5.8	24.5	1.23	1.55	0.0	1.1	88	0.1	0.1	0.1	0.1	1.66	2.34
WMB	JAMESTOWN RD	JOHN TYLER LN	COLLEGE CREEK		0.1	0.0	1.5	2.3	1.09	1.09	0.0	0.1	94	0.0	0.0	0.0	0.0	1.26	1.22
WMB	JAMESTOWN RD	COLLEGE CREEK	BOUNDARY ST		0.1	0.0	1.5	2.3	1.09	1.09	0.0	0.1	94	0.0	0.0	0.0	0.0	1.26	1.22
WMB	LAFAYETTE ST	RICHMOND RD	HENRY ST		-	-	-	-	-	-	-	-	202	-	-	-	-	-	-
WMB	LAFAYETTE ST	HENRY ST	CAPITOL LANDING RD		-	-	-	-	-	-	-	-	204	-	-	-	-	-	-
WMB	LAFAYETTE ST	CAPITOL LANDING RD	PAGE ST		-	-	-	-	-	-	-	-	168	-	-	-	-	-	-
WMB	MERRIMAC TRAIL	YORK CL (SOUTH)	CAPITOL LANDING RD		2.0	2.5	3.2	18.7	1.13	1.47	0.0	0.1	164	0.1	0.1	0.1	0.3	1.62	2.51
WMB	MERRIMAC TRAIL	CAPITOL LANDING RD	YORK CL (NORTH)		0.6	0.8	0.8	2.5	1.08	1.14	0.0	0.0	189	0.0	0.0	0.0	0.0	1.22	1.34
WMB	MONTICELLO AVE	IRONBOUND RD	RICHMOND RD		0.2	0.7	17.5	21.5	1.15	1.15	0.0	0.0	127	0.0	0.0	0.1	0.1	1.36	1.36
WMB	PAGE ST	BYPASS RD	SECOND ST		2.0	1.9	6.2	6.2	1.17	1.15	0.0	0.0	151	0.0	0.0	0.0	0.0	1.41	1.58
WMB	PAGE ST	SECOND ST	YORK ST		1.0	1.2	2.9	1.2	1.10	1.09	0.0	0.0	152	0.0	0.0	0.0	0.0	1.56	1.33
WMB	QUARTERPATH RD	ROUTE 199	YORK ST		-	-	-	-	-	-	-	-	17	-	-	-	-	-	-
WMB	RICHMOND RD	JAMES CITY CL	IRONBOUND RD		0.5	0.6	9.0	15.8	1.16	1.15	0.0	0.0	198	0.0	0.0	0.1	0.1	1.47	1.41
WMB	RICHMOND RD	IRONBOUND RD	BYPASS RD		4.5	1.9	35.6	29.0	1.23	1.20	0.0	0.0	234	0.1	0.0	0.2	0.1	1.59	1.46
WMB	RICHMOND RD	BYPASS RD	MONTICELLO AVE		0.3	1.0	10.2	15.0	1.25	1.21	0.2	0.0	244	0.0	0.0	0.1	0.1	1.66	1.61
WMB	RICHMOND RD	MONTICELLO AVE	BROOKS ST		0.6	0.2	6.1	8.2	1.13	1.13	0.0	0.0	182	0.0	0.0	0.1	0.1	1.39	1.35
WMB	RICHMOND RD	BROOKS ST	BOUNDARY ST		0.6	0.2	6.1	8.2	1.13	1.13	0.0	0.0	182	0.0	0.0	0.1	0.1	1.39	1.35
WMB	ROUTE 132	ROUTE 132Y	BYPASS RD/YORK CL		1.8	0.9	11.1	0.2	1.29	1.11	0.0	0.0	193	0.1	0.0	0.1	0.0	1.80	1.29
WMB	ROUTE 132Y	ROUTE 132	COLONIAL PKWY		-	-	-	-	-	-	-	-	61	-	-	-	-	-	-
WMB	ROUTE 199	JAMES CITY CL (WEST)	JAMESTOWN RD		24.9	19.4	127.3	59.8	1.51	1.21	1.0	0.0	689	0.5	0.6	1.9	0.3	2.14	1.57
WMB	ROUTE 199	JAMESTOWN RD	JAMES CITY CL (EAST)		6.0	6.5	15.0	32.4	1.09	1.14	0.0	0.0	702	0.1	0.2	0.2	0.1	1.18	1.34
WMB	SECOND ST	PAGE ST	YORK CL		2.3	3.5	9.0	4.6	1.24	1.14	0.3	0.2	184	0.1	0.1	0.1	0.0	2.12	1.69
WMB	TREYBURN DR	MONTICELLO AVE	IRONBOUND RD		-	-	-	-	-	-	-	-	37	-	-	-	-	-	-
WMB	YORK ST	PAGE ST	JAMES CITY CL		1.0	1.1	1.0	2.7	1.09	1.10	0.0	0.0	179	0.0	0.0	0.0	0.0	1.33	1.56
YC	BALLARD ST	COLONIAL PKWY	COOK RD		-	-	-	-	-	-	-	-	81	-	-	-	-	-	-
YC	BALLARD ST	COOK RD	COAST GUARD TRAINING CENTER		-	-	-	-	-	-	-	-	69	-	-	-	-	-	-
YC	BIG BETHEL RD	HAMPTON CL	HAMPTON HWY (RTE 134)		1.7	1.3	8.0	1.6	1.15	1.10	0.0	0.0	69	0.0	0.0	0.0	0.0	1.42	1.29
YC	BIG BETHEL RD	HAMPTON HWY (RTE 134)	VICTORY BLVD (RTE 171)		1.6	1.8	1.7	1.6	1.13	1.12	0.0	0.1	36	0.0	0.0	0.0	0.0	1.42	1.37
YC	BYPASS RD	WILLIAMSBURG CL	WALLER MILL RD		1.9	4.5	25.6	42.2	1.20	1.23	0.0	0.0	233	0.0	0.1	0.1	0.2	1.46	1.59
YC	BYPASS RD	WALLER MILL RD	ROUTE 132/WILLIAMSBURG CL		1.9	4.5	25.6	42.2	1.20	1.23	0.0	0.0	233	0.0	0.1	0.1	0.2	1.46	1.59
YC	COLONIAL NATL HIST PKWY	WILLIAMSBURG CL	BALLARD ST		0.1	0.9	0.9	0.3	1.10	1.15	0.0	0.0	56	0.0	0.0	0.0	0.0	1.38	1.41
YC	COOK RD	GEORGE WASHINGTON HWY	GOOSLEY RD		-	-	-	-	-	-	-	-	46	-	-	-	-	-	-
YC	COOK RD	GOOSLEY RD	BALLARD ST		-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
YC	DENBIGH BLVD	NEWPORT NEWS CL	ROUTE 17		0.7	0.0	6.4	2.3	1.15	1.12	0.0	0.0	197	0.0	0.0	0.1	0.0	1.39	1.28
YC	EAST YORKTOWN RD	VICTORY BLVD	POQUOSON CL		-	-	-	-	-	-	-	-	41	-	-	-	-	-	-
YC	FORT EUSTIS BLVD	NEWPORT NEWS CL	ROUTE 17		0.6	1.2	4.5	0.2	1.12	1.06	0.0	0.0	727	0.0	0.0	0.1	0.0	1.32	1.20
YC	FORT EUSTIS BLVD EXT	ROUTE 17	OLD YORK - HAMPTON HWY		-	-	-	-	-	-	-	-	165	-	-	-	-	-	-
YC	GEORGE WASHINGTON HWY	NEWPORT NEWS CL	VICTORY BLVD (RTE 171)		6.2	11.3	79.9	22.6	1.42	1.20	0.0	0.0	476	0.1	0.2	0.4	0.2	1.98	1.50
YC	GEORGE WASHINGTON HWY	VICTORY BLVD (RTE 171)	HAMPTON HWY (RTE 134)		0.0	9.4	20.7	48.5	1.27	1.35	0.0	0.0	514	0.0	0.1	0.1	0.4	1.63	2.00
YC	GEORGE WASHINGTON HWY	HAMPTON HWY (RTE 134)	DARE RD		11.3	4.2	30.7	6.3	1.21	1.14	0.0	0.0	757	0.2	0.1	0.2	0.1	1.64	1.43
YC	GEORGE WASHINGTON HWY	DARE RD	DENBIGH BLVD (RTE 173)		9.4	2.3	20.8	5.0	1.21	1.14	0.0	0.0	530	0.2	0.0	0.1	0.0	1.64	1.43
YC	GEORGE WASHINGTON HWY	DENBIGH BLVD (RTE 173)	FORT EUSTIS BLVD (RTE 105)		4.1	12.1	31.0	24.1	1.19	1.15	0.0	0.0	511	0.1	0.2	0.2	0.2	1.57	1.38
YC	GEORGE WASHINGTON HWY	FORT EUSTIS BLVD (RTE 105)	COOK RD		3.6	13.5	32.3	21.8	1.19	1.15	0.0	0.0	873	0.1	0.3	0.4	0.4	1.57	1.38
YC	GEORGE WASHINGTON HWY	COOK RD	GOOSLEY RD (RTE 238)		2.3	10.9	26.4	14.1	1.19	1.15	0.0	0.0	652	0.1	0.2	0.3	0.3	1.57	1.38
YC	GEORGE WASHINGTON HWY	GOOSLEY RD (RTE 238)	GLOUCESTER CL (COLEMAN BRIDGE)		0.4	8.1	4.8	12.5	1.06	1.21	0.0	0.3	821	0.0	0.2	0.0	0.3	1.20	1.57
YC	GOODWIN NECK RD	ROUTE 17	WOLF TRAP RD		2.3	5.5	6.4	9.8	1.15	1.24	0.0	0.0	395	0.1	0.3	0.1	0.3	1.39	1.55
YC	GOOSLEY RD	OLD WILLIAMSBURG RD	CRAWFORD RD		1.3	0.4	6.5	2.1	1.28	1.07	0.0	0.0	163	0.1	0.0	0.1	0.0	1.58	1.40
YC	GOOSLEY RD	CRAWFORD RD	ROUTE 17		1.3	0.4	6.5	2.1	1.28	1.07	0.0	0.0	163	0.1	0.0	0.1	0.0	1.58	1.40

DRAFT

Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	2018 DELAY DATA				2018 RELIABILITY DATA				2018 TRUCK DATA						
					AM PEAK PERIOD TOT. DELAY (hrs/mi)		PM PEAK PERIOD TOT. DELAY (hrs/mi)		AVERAGE LOTTR		AVG UNRELIABLE PERIODS		MOST RECENT WEEKDAY TRUCK VOLUME	AM PEAK PERIOD TRUCK DELAY (hrs/mi)		PM PEAK PERIOD TRUCK DELAY (hrs/mi)		AVERAGE TTTR	
					NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
YC	GOOSLEY RD	ROUTE 17	COOK RD		-	-	-	-	-	-	-	-	39	-	-	-	-	-	-
YC	HAMPTON HWY	ROUTE 17	VICTORY BLVD (RTE 171)		3.2	5.8	12.1	27.7	1.21	1.39	0.0	0.1	125	0.0	0.1	0.0	0.1	1.66	2.05
YC	HAMPTON HWY	VICTORY BLVD (RTE 171)	BIG BETHEL RD (RTE 600)		7.0	5.1	24.8	10.8	1.22	1.14	0.0	0.0	183	0.1	0.1	0.1	0.0	1.58	1.36
YC	HAMPTON HWY	BIG BETHEL RD (RTE 600)	NCL HAMPTON		5.5	4.6	8.9	8.0	1.15	1.15	0.0	0.0	177	0.1	0.1	0.0	0.0	1.35	1.35
YC	I-64	JAMES CITY CL	RTE 199/646	EB	0.0	-	0.0	-	1.05	-	0.0	-	3,654	0.0	-	0.0	-	1.26	-
				WB	-	0.0	-	0.0	-	1.04	-	0.0	3,342	-	0.0	-	0.0	-	1.16
YC	I-64	RTE 199/646	RTE 143	EB	0.2	-	0.3	-	1.04	-	0.0	-	3,422	0.0	-	0.0	-	1.16	-
				WB	-	0.0	-	0.5	-	1.05	-	0.0	3,143	-	0.0	-	0.0	-	1.23
YC	I-64	RTE 143	RTE 199 (EAST OF WILLIAMSBURG)	EB	6.3	-	8.7	-	1.05	-	0.0	-	3,641	0.8	-	0.6	-	1.33	-
				WB	-	0.0	-	4.3	-	1.05	-	0.0	3,469	-	0.0	-	0.4	-	1.22
YC	I-64	RTE 199 (EAST OF WILLIAMSBURG)	GROVE CONNECTOR	EB	0.9	-	11.1	-	1.06	-	0.0	-	2,122	0.1	-	0.4	-	1.61	-
				WB	-	0.0	-	9.2	-	1.05	-	0.0	1,963	-	0.0	-	0.3	-	1.40
YC	I-64	GROVE CONNECTOR	JAMES CITY CL	EB	10.1	-	18.7	-	1.06	-	0.0	-	2,041	0.5	-	0.7	-	1.70	-
				WB	-	4.0	-	20.5	-	1.14	-	0.0	2,134	-	0.2	-	0.6	-	1.64
YC	LIGHTFOOT RD	ROUTE 60	MOORETOWN RD		-	-	-	-	-	-	-	-	145	-	-	-	-	-	-
YC	MERRIMAC TRAIL	JAMES CITY CL	BUSCH GARDENS INTERCHANGE		0.1	1.6	0.1	2.9	1.05	1.10	0.0	0.0	210	0.0	0.0	0.0	0.0	1.19	1.59
YC	MERRIMAC TRAIL	BUSCH GARDENS INTERCHANGE	ROUTE 199/JAMES CITY CL		1.4	0.3	5.0	1.8	1.10	1.05	0.0	0.0	345	0.1	0.0	0.0	0.0	1.36	1.12
YC	MERRIMAC TRAIL	PENNIMAN RD/JAMES CITY CL	SECOND ST		3.3	7.0	16.5	18.7	1.27	1.25	0.1	0.0	350	0.2	0.1	0.1	0.4	1.77	1.68
YC	MERRIMAC TRAIL	SECOND ST	WILLIAMSBURG CL		1.8	3.3	3.7	19.3	1.13	1.47	0.0	0.1	147	0.1	0.1	0.0	0.3	1.62	2.51
YC	MERRIMAC TRAIL	WILLIAMSBURG CL	ROUTE 132		0.6	0.8	0.8	2.7	1.08	1.14	0.0	0.0	182	0.0	0.0	0.0	0.1	1.22	1.34
YC	MOORETOWN RD	WALLER MILL RD	AIRPORT RD		-	-	-	-	-	-	-	-	89	-	-	-	-	-	-
YC	MOORETOWN RD	AIRPORT RD	OLD MOORETOWN RD		-	-	-	-	-	-	-	-	131	-	-	-	-	-	-
YC	MOORETOWN RD	OLD MOORETOWN RD	ROUTE 199		-	-	-	-	-	-	-	-	258	-	-	-	-	-	-
YC	MOORETOWN RD	ROUTE 199	LIGHTFOOT RD		-	-	-	-	-	-	-	-	215	-	-	-	-	-	-
YC	NEWMAN RD	I-64	FENTON MILL RD		-	-	-	-	-	-	-	-	42	-	-	-	-	-	-
YC	OLD WILLIAMSBURG RD	NEWPORT NEWS CL	BAPTIST RD/MAIN RD		0.6	1.0	0.2	1.4	1.04	1.07	0.0	0.1	235	0.0	0.0	0.0	0.0	1.11	1.22
YC	OLD WILLIAMSBURG RD	BAPTIST RD/MAIN RD	GOOSLEY RD		0.3	1.0	0.2	1.1	1.04	1.07	0.0	0.1	235	0.0	0.0	0.0	0.0	1.11	1.22
YC	PENNIMAN RD (RTE 641)	ROUTE 199	COLONIAL PKWY		0.2	0.0	1.8	0.1	1.09	1.08	0.0	0.0	93	0.0	0.0	0.0	0.0	1.78	1.25
YC	POCAHONTAS TRAIL	JCC LINE @ RTE 199	KINGSMILL RD		0.4	1.9	13.7	7.6	1.18	1.18	0.0	0.0	507	0.0	0.1	0.3	0.2	1.56	1.62
YC	POCAHONTAS TRAIL	KINGSMILL RD	BUSCH GARDENS INTERCHANGE		0.4	1.9	13.7	7.6	1.18	1.18	0.0	0.0	708	0.0	0.1	0.4	0.3	1.56	1.62
YC	POCAHONTAS TRAIL	BUSCH GARDENS INTERCHANGE	JAMES CITY CL		0.9	1.8	7.2	1.4	1.10	1.09	0.0	0.0	758	0.1	0.1	0.2	0.1	1.39	1.31
YC	ROUTE 132	BYPASS RD/WILLIAMSBURG CL	ROUTE 143		0.5	0.1	2.0	1.1	1.11	1.14	0.0	0.0	291	0.0	0.0	0.0	0.0	1.39	1.35
YC	ROUTE 143	ROUTE 132	I-64		0.6	6.0	9.6	20.2	1.22	1.26	0.0	0.0	366	0.0	0.1	0.2	0.4	1.62	1.78
YC	ROUTE 199	JCC LINE (WESTSIDE)	MOORETOWN RD	EB	0.1	-	0.0	-	1.05	-	0.0	-	232	0.0	-	0.0	-	1.20	-
				WB	-	0.1	-	0.0	-	1.06	-	0.0	237	-	0.0	-	0.0	-	1.19
YC	ROUTE 199	MOORETOWN RD	I-64	EB	0.4	-	0.0	-	1.08	-	0.0	-	300	0.0	-	0.0	-	1.16	-
				WB	-	0.2	-	0.0	-	1.09	-	0.0	295	-	0.0	-	0.0	-	1.14
YC	ROUTE 199	RTE 60/RTE 143/JCC LINE	I-64		0.4	0.2	0.0	0.0	1.08	1.09	0.0	0.0	1,002	0.0	0.0	0.0	0.0	1.23	1.19
YC	ROUTE 199	I-64	MARQUIS PKWY		0.1	0.2	5.1	1.1	1.16	1.14	0.1	0.0	621	0.0	0.0	0.1	0.0	1.45	1.31
YC	ROUTE 199	MARQUIS PKWY	RTE 641 (PENNIMAN RD)		0.1	0.2	3.1	0.4	1.16	1.14	0.1	0.0	316	0.0	0.0	0.0	0.0	1.45	1.31
YC	SECOND ST	WILLIAMSBURG CL	MERRIMAC TRAIL		2.3	3.5	9.0	4.6	1.24	1.14	0.3	0.2	184	0.1	0.1	0.1	0.0	2.12	1.69
YC	VICTORY BLVD	NEWPORT NEWS CL	ROUTE 17		11.9	0.8	93.6	12.7	1.35	1.18	0.4	0.0	586	0.0	0.0	0.0	0.2	1.91	1.45
YC	VICTORY BLVD	ROUTE 17	HAMPTON HWY (RTE 134)		2.7	5.4	26.4	58.2	1.27	1.41	0.0	0.0	358	0.1	0.1	0.1	0.4	2.00	2.12
YC	VICTORY BLVD	HAMPTON HWY (RTE 134)	BIG BETHEL RD (RTE 600)		0.7	3.7	35.5	8.2	1.30	1.20	0.0	0.1	221	0.0	0.0	0.1	0.1	1.87	1.54
YC	VICTORY BLVD	BIG BETHEL RD (RTE 600)	CARYS CHAPEL RD (RTE 782)		1.4	7.7	15.3	9.4	1.11	1.12	0.0	0.0	229	0.0	0.1	0.1	0.1	1.27	1.35
YC	VICTORY BLVD	CARYS CHAPEL RD (RTE 782)	POQUOSON CL		1.0	4.4	10.1	5.9	1.11	1.12	0.0	0.0	151	0.0	0.1	0.1	0.1	1.27	1.35
YC	WALLER MILL RD	ROUTE 60	MOORETOWN RD		-	-	-	-	-	-	-	-	71	-	-	-	-	-	-

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Appendix C – Delay, Reliability and Truck Data

Total Delay = [(Average Travel Time – Free Flow Travel Time) x Volume], summed for each 15-minute interval during the peak period.
LOTTR = Level of Travel Time Reliability. Segments with an LOTTR ≥ 1.50 are considered not reliable.
TTTR = Truck Travel Time Reliability.

APPENDIX D

CMP SEGMENT SCORES

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA				
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS	MAX POINTS OVERALL	SEGMENT POINTS RANK
CHES	22ND ST	LIBERTY ST	BERKLEY AVE/NORFOLK CL		2	2	2	2	2	2	-	-	-	2	869
CHES	AIRLINE BLVD	I-664	JOLLIFF RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	AIRLINE BLVD	JOLLIFF RD	PORTSMOUTH CL		0	0	0	0	0	0	-	-	-	0	1084
CHES	ATLANTIC AVE	CAMPOSTELLA RD	PROVIDENCE RD		12	12	12	15	20	20	-	-	-	20	307
CHES	ATLANTIC AVE	PROVIDENCE RD	OLD ATLANTIC AVE		9	9	9	9	9	9	-	-	-	9	590
CHES	ATLANTIC AVE	OLD ATLANTIC AVE	CAMPOSTELLA RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	BAINBRIDGE BLVD	DOMINION BLVD	GREAT BRIDGE BLVD		-	-	-	-	-	-	0	0	0	0	1084
CHES	BAINBRIDGE BLVD	GREAT BRIDGE BLVD	MILITARY HWY		3	3	3	3	3	3	-	-	-	3	815
CHES	BAINBRIDGE BLVD	MILITARY HWY	FREEMAN AVE		6	3	6	2	2	2	-	-	-	6	690
CHES	BAINBRIDGE BLVD	FREEMAN AVE	SWAIN AVE		0	0	0	0	0	0	-	-	-	0	1084
CHES	BAINBRIDGE BLVD	SWAIN AVE	CHESAPEAKE DR		0	0	0	0	0	0	-	-	-	0	1084
CHES	BAINBRIDGE BLVD	CHESAPEAKE DR	POINDEXTER ST		0	0	0	0	0	0	-	-	-	0	1084
CHES	BAINBRIDGE BLVD	POINDEXTER ST	NORFOLK CL		-	-	-	-	-	-	0	0	0	0	1084
CHES	BALLAHACK RD	GEORGE WASHINGTON HWY	OLD BATTLEFIELD BLVD		-	-	-	-	-	-	8	8	8	8	621
CHES	BATTLEFIELD BLVD	NORTH CAROLINA STATE LINE	BALLAHACK RD		10	10	10	10	10	10	-	-	-	10	552
CHES	BATTLEFIELD BLVD	BALLAHACK RD	GALLBUSH RD		12	12	12	10	10	10	-	-	-	12	491
CHES	BATTLEFIELD BLVD	GALLBUSH RD	INDIAN CREEK RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	BATTLEFIELD BLVD	INDIAN CREEK RD	CENTERVILLE TNPK		1	1	1	1	1	1	-	-	-	1	949
CHES	BATTLEFIELD BLVD	CENTERVILLE TNPK	HILLCREST PKWY		9	2	9	4	22	22	-	-	-	22	285
CHES	BATTLEFIELD BLVD	HILLCREST PKWY	PEACEFUL RD/HILLWELL RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	BATTLEFIELD BLVD	PEACEFUL RD/HILLWELL RD	HANBURY RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	BATTLEFIELD BLVD	HANBURY RD	JOHNSTOWN RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	BATTLEFIELD BLVD	JOHNSTOWN RD	CEDAR RD		21	58	58	10	23	23	-	-	-	58	47
CHES	BATTLEFIELD BLVD	CEDAR RD	GREAT BRIDGE BLVD/KEMPSVILLE RD		6	8	8	14	61	61	-	-	-	61	39
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BLVD/KEMPSVILLE RD	GREAT BRIDGE BYPASS		4	6	6	52	61	61	-	-	-	61	39
CHES	BATTLEFIELD BLVD	GREAT BRIDGE BYPASS	VOLVO PKWY		14	17	17	12	42	42	-	-	-	42	120
CHES	BATTLEFIELD BLVD	VOLVO PKWY	I-64		13	23	23	67	76	76	-	-	-	76	2
CHES	BATTLEFIELD BLVD	I-64	MILITARY HWY		21	38	38	21	51	51	-	-	-	51	74
CHES	BATTLEFIELD BLVD	MILITARY HWY	CAMPOSTELLA RD		13	32	32	12	14	14	-	-	-	32	186
CHES	BENEFIT RD	JOHNSTOWN RD	SIGN PINE RD		-	-	-	-	-	-	0	0	0	0	1084
CHES	BLACKWATER RD	VIRGINIA BEACH CL	FENTRESS AIRFIELD RD		-	-	-	-	-	-	0	0	0	0	1084
CHES	BRIDGE RD	SUFFOLK CL	CHURCHLAND BLVD		10	14	14	9	11	11	-	-	-	14	436
CHES	BRUCE RD	TAYLOR RD	TYRE NECK RD		-	-	-	-	-	-	2	5	5	5	719
CHES	BUTTS STATION RD	KEMPSVILLE RD	ELBOW RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	BUTTS STATION RD	ELBOW RD	CENTERVILLE TNPK		3	18	18	11	1	11	-	-	-	18	335
CHES	CAMPOSTELLA RD	GREAT BRIDGE BLVD	MILITARY HWY		0	0	0	1	1	1	-	-	-	1	949
CHES	CAMPOSTELLA RD	MILITARY HWY	BATTLEFIELD BLVD		3	3	3	4	9	9	-	-	-	9	590
CHES	CAMPOSTELLA RD	BATTLEFIELD BLVD	PROVIDENCE RD		-	-	-	-	-	-	5	4	5	5	719
CHES	CAMPOSTELLA RD	PROVIDENCE RD	ATLANTIC AVE		-	-	-	-	-	-	3	4	4	4	765
CHES	CAMPOSTELLA RD	ATLANTIC AVE	NORFOLK CL/BERKELY AVE EXT		3	1	3	1	1	1	-	-	-	3	815
CHES	CANAL DR	MILITARY HWY	GEORGE WASHINGTON HWY		5	3	5	32	45	45	-	-	-	45	102
CHES	CAVALIER BLVD	MILITARY HWY	PORTSMOUTH CL		3	3	3	3	3	3	-	-	-	3	815
CHES	CEDAR RD	SHIPYARD RD/MOSES GRANDY TR	SCENIC PKWY		-	-	-	-	-	-	5	0	5	5	719
CHES	CEDAR RD	SCENIC PKWY	MOSES GRANDY TRAIL		-	-	-	-	-	-	5	0	5	5	719
CHES	CEDAR RD	DOMINION BLVD	BELLS MILL RD (WEST)		0	4	4	0	2	2	-	-	-	4	765
CHES	CEDAR RD	BELLS MILL RD (WEST)	BELLS MILL RD (EAST)		0	4	4	0	4	4	-	-	-	4	765
CHES	CEDAR RD	BELLS MILL RD (EAST)	BRIARFIELD DR		0	4	4	0	2	2	-	-	-	4	765
CHES	CEDAR RD	BRIARFIELD DR	BATTLEFIELD BLVD		0	4	4	0	2	2	-	-	-	4	765
CHES	CENTERVILLE TNPK	BATTLEFIELD BLVD	ETHRIDGE MANOR BLVD		0	0	0	0	0	0	-	-	-	0	1084
CHES	CENTERVILLE TNPK	ETHRIDGE MANOR BLVD	MT PLEASANT RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	CENTERVILLE TNPK	MT PLEASANT RD	BUTTS STATION RD		1	1	1	1	3	3	-	-	-	3	815
CHES	CENTERVILLE TNPK	BUTTS STATION RD	ELBOW RD		15	7	15	4	31	31	-	-	-	31	200
CHES	CENTERVILLE TNPK	ELBOW RD	S.E. PARKWAY CORRIDOR		9	1	9	0	0	0	-	-	-	9	590
CHES	CENTERVILLE TNPK	S.E. PARKWAY CORRIDOR	VA BEACH CL		9	1	9	0	0	0	-	-	-	9	590
CHES	CHESAPEAKE EXPWY	GALLBUSH RD	BATTLEFIELD BLVD (NEAR INDIAN CREEK	NB	8	8	8	-	-	-	-	-	-	8	250
				SB	-	-	-	8	8	8	-	-	-	8	250

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (NEAR INDIAN CREE	HILLCREST PKWY	NB	8	8	8	-	-	-	-	-	-	8	250
				SB	-	-	-	8	8	8	-	-	-	8	250
CHES	CHESAPEAKE EXPWY	HILLCREST PKWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	NB	8	8	8	-	-	-	-	-	-	8	250
				SB	-	-	-	8	8	8	-	-	-	8	250
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (S OF GREAT BRIDGE	HANBURY RD	NB	8	8	8	-	-	-	-	-	-	8	250
				SB	-	-	-	8	8	8	-	-	-	8	250
CHES	CHESAPEAKE EXPWY	HANBURY RD	MT PLEASANT RD	NB	17	10	17	-	-	-	-	-	-	17	91
				SB	-	-	-	8	8	8	-	-	-	8	250
CHES	CHESAPEAKE EXPWY	MT PLEASANT RD	BATTLEFIELD BLVD (N OF GREAT BRIDGE	NB	9	9	9	-	-	-	-	-	-	9	247
				SB	-	-	-	9	9	9	-	-	-	9	247
CHES	CHESAPEAKE EXPWY	BATTLEFIELD BLVD (N OF GREAT BRIDGE	DOMINION BLVD	NB	41	12	41	-	-	-	-	-	-	41	48
				SB	-	-	-	12	22	22	-	-	-	22	78
CHES	CHESAPEAKE EXPWY	DOMINION BLVD	I-64	NB	67	22	67	-	-	-	-	-	-	67	23
				SB	-	-	-	14	14	14	-	-	-	14	147
CHES	CHURCHLAND BLVD	WESTERN BRANCH BLVD	TOWNE POINT RD		1	1	1	4	4	4	-	-	-	4	765
CHES	CHURCHLAND BLVD	TOWNE POINT RD	PORTSMOUTH CL		3	5	5	3	7	7	-	-	-	7	671
CHES	DOCK LANDING RD	JOLLIFF RD	I-664		0	0	0	13	13	13	-	-	-	13	467
CHES	DOCK LANDING RD	I-664	EAGLE HILL DR		0	0	0	0	0	0	-	-	-	0	1084
CHES	DOCK LANDING RD	EAGLE HILL DR	PORTSMOUTH BLVD		0	0	0	0	0	0	-	-	-	0	1084
CHES	DOMINION BLVD	GEORGE WASHINGTON HWY	CEDAR RD		9	9	9	10	12	12	-	-	-	12	491
CHES	DOMINION BLVD/VETERANS BRIDGE	CEDAR RD	DOMINION LAKES BLVD	NB	13	13	13	-	-	-	-	-	-	13	161
				SB	-	-	-	13	13	13	-	-	-	13	161
CHES	DOMINION BLVD	DOMINION LAKES BLVD	GREAT BRIDGE BLVD	NB	13	13	13	-	-	-	-	-	-	13	161
				SB	-	-	-	13	13	13	-	-	-	13	161
CHES	DOMINION BLVD	GREAT BRIDGE BLVD	CHESAPEAKE EXPRESSWAY	NB	15	15	15	-	-	-	-	-	-	15	105
				SB	-	-	-	14	14	14	-	-	-	14	147
CHES	EDINBURGH PKWY/ST BRIDES RD	SIGN PINE RD	HILLCREST PKWY		-	-	-	-	-	-	0	0	0	0	1084
CHES	ELBOW RD	BUTTS STATION RD	CENTERVILLE TNPK		-	-	-	-	-	-	0	0	0	0	1084
CHES	ELBOW RD	CENTERVILLE TNPK	VA BEACH CL		0	0	0	0	0	0	-	-	-	0	1084
CHES	ETHERIDGE MANOR RD	HILLWELL RD	RIVER GATE RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	ETHERIDGE MANOR RD	RIVER GATE RD	CENTERVILLE TPKE		0	0	0	0	0	0	-	-	-	0	1084
CHES	FENTRESS AIRFIELD RD	BLACKWATER RD	MOUNT PLEASANT RD		-	-	-	-	-	-	0	0	0	0	1084
CHES	FREEMAN AVE	I-464	BAINBRIDGE BLVD		34	20	34	39	36	39	-	-	-	39	137
CHES	GEORGE WASHINGTON HWY	NORTH CAROLINA STATE LINE	DOMINION BLVD		11	11	11	11	11	11	-	-	-	11	521
CHES	GEORGE WASHINGTON HWY	DOMINION BLVD	GW HWY RELOCATED		9	9	9	8	8	8	-	-	-	9	590
CHES	GEORGE WASHINGTON HWY	GW HWY RELOCATED	MOSES GRANDY TR @ HINTON AVE		9	9	9	8	8	8	-	-	-	9	590
CHES	GW HWY (DEEP CREEK BRIDGE)	MOSES GRANDY TR @ HINTON AVE	MILL CREEK PKWY		19	17	19	47	72	72	-	-	-	72	6
CHES	GEORGE WASHINGTON HWY	MILL CREEK PKWY	WILLOWOOD DR		19	17	19	47	72	72	-	-	-	72	6
CHES	GEORGE WASHINGTON HWY	WILLOWOOD DR	I-64		17	15	17	45	70	70	-	-	-	70	13
CHES	GEORGE WASHINGTON HWY	I-64	MILITARY HWY		15	17	17	12	19	19	-	-	-	19	319
CHES	GEORGE WASHINGTON HWY	MILITARY HWY	CANAL DR		9	9	9	13	35	35	-	-	-	35	160
CHES	GEORGE WASHINGTON HWY	CANAL DR	PORTSMOUTH CL		15	46	46	13	16	16	-	-	-	46	100
CHES	GREAT BRIDGE BLVD	BAINBRIDGE BLVD	CAMPOSTELLA RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	GREAT BRIDGE BLVD	CAMPOSTELLA RD	I-64		1	1	1	1	1	1	-	-	-	1	949
CHES	GREAT BRIDGE BLVD	I-64	DOMINION BLVD		4	4	4	6	6	6	-	-	-	6	690
CHES	GREAT BRIDGE BLVD	DOMINION BLVD	RIVERWALK PKWY WEST		7	14	14	1	3	3	-	-	-	14	436
CHES	GREAT BRIDGE BLVD	RIVERWALK PKWY WEST	BATTLEFIELD BLVD		9	16	16	3	5	5	-	-	-	16	368
CHES	GREENBRIER PKWY	KEMPSVILLE RD	VOLVO PKWY		1	5	5	4	11	11	-	-	-	11	521
CHES	GREENBRIER PKWY	VOLVO PKWY	EDEN WAY		5	24	24	3	29	29	-	-	-	29	213
CHES	GREENBRIER PKWY	EDEN WAY	I-64		21	42	42	16	47	47	-	-	-	47	95
CHES	GREENBRIER PKWY	I-64	WOODLAKE DR		26	49	49	12	51	51	-	-	-	51	74
CHES	GREENBRIER PKWY	WOODLAKE DR	MILITARY HWY		19	45	45	6	41	41	-	-	-	45	102
CHES	HANBURY RD	JOHNSTOWN RD	BATTLEFIELD BLVD		0	0	0	0	0	0	-	-	-	0	1084
CHES	HANBURY RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		1	1	1	13	35	35	-	-	-	35	160
CHES	HANBURY RD	CHESAPEAKE EXPRESSWAY	HILLWELL RD		1	3	3	1	1	1	-	-	-	3	815
CHES	HILLCREST PKWY	EDINBURGH PKWY	CHESAPEAKE EXPRESSWAY		-	-	-	-	-	-	0	0	0	0	1084

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
CHES	HILLCREST PKWY	CHESAPEAKE EXPRESSWAY	BATTLEFIELD BLVD		-	-	-	-	-	-	0	0	0	0	1084
CHES	I-64	VA BEACH CL	GREENBRIER PKWY	EB	13	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	15	13	15	-	-	-	15	105
CHES	I-64	GREENBRIER PKWY	BATTLEFIELD BLVD	EB	25	72	72	-	-	-	-	-	-	72	19
				WB	-	-	-	13	13	13	-	-	-	13	161
CHES	I-64	BATTLEFIELD BLVD	I-464	EB	39	85	85	-	-	-	-	-	-	85	6
				WB	-	-	-	12	12	12	-	-	-	12	187
CHES	I-64	I-464	GEORGE WASHINGTON HWY	EB	21	47	47	-	-	-	-	-	-	47	44
				WB	-	-	-	16	18	18	-	-	-	18	89
CHES	I-64	GEORGE WASHINGTON HWY	MILITARY HWY	EB	17	20	20	-	-	-	-	-	-	20	85
				WB	-	-	-	79	79	79	-	-	-	79	11
CHES	I-64	MILITARY HWY	I-264&664	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	69	75	75	-	-	-	75	14
CHES	I-264	I-64&664	WCL PORTSMOUTH	EB	13	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	13	13	13	-	-	-	13	161
CHES	I-464	I-64	MILITARY HWY	NB	12	12	12	-	-	-	-	-	-	12	187
				SB	-	-	-	12	12	12	-	-	-	12	187
CHES	I-464	MILITARY HWY	FREEMAN AVE	NB	12	12	12	-	-	-	-	-	-	12	187
				SB	-	-	-	12	12	12	-	-	-	12	187
CHES	I-464	FREEMAN AVE	POINDEXTER ST	NB	12	12	12	-	-	-	-	-	-	12	187
				SB	-	-	-	12	12	12	-	-	-	12	187
CHES	I-464	POINDEXTER ST	NORFOLK CL	NB	63	25	63	-	-	-	-	-	-	63	26
				SB	-	-	-	11	11	11	-	-	-	11	213
CHES	I-664	I-64 & I-264	ROUTES 13/58/460	SB	15	15	15	-	-	-	-	-	-	15	105
				NB	-	-	-	19	40	40	-	-	-	40	49
CHES	I-664	ROUTES 13/58/460	DOCK LANDING RD	SB	15	15	15	-	-	-	-	-	-	15	105
				NB	-	-	-	16	15	16	-	-	-	16	98
CHES	I-664	DOCK LANDING RD	PORTSMOUTH BLVD	SB	15	15	15	-	-	-	-	-	-	15	105
				NB	-	-	-	15	15	15	-	-	-	15	105
CHES	I-664	PORTSMOUTH BLVD	PUGHSVILLE RD	SB	14	17	17	-	-	-	-	-	-	17	91
				NB	-	-	-	15	15	15	-	-	-	15	105
CHES	I-664	PUGHSVILLE RD	SUFFOLK CL	SB	17	36	36	-	-	-	-	-	-	36	51
				NB	-	-	-	22	15	22	-	-	-	22	78
CHES	INDIAN RIVER RD	NORFOLK CL	KEMP LANE		1	3	3	2	0	2	-	-	-	3	815
CHES	INDIAN RIVER RD	KEMP LANE	VA BEACH CL		1	5	5	0	2	2	-	-	-	5	719
CHES	JOHNSTOWN RD	BENEFIT RD	STONEGATE PKWY		-	-	-	-	-	-	0	0	0	0	1084
CHES	JOHNSTOWN RD	STONEGATE PKWY	HANBURY RD		-	-	-	-	-	-	0	0	0	0	1084
CHES	JOHNSTOWN RD	HANBURY RD	PARKER RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	JOHNSTOWN RD	PARKER RD	BATTLEFIELD BLVD		0	0	0	0	0	0	-	-	-	0	1084
CHES	JOLLIFF RD	AIRLINE BLVD	DOCK LANDING RD		-	-	-	-	-	-	0	0	0	0	1084
CHES	JOLLIFF RD	DOCK LANDING RD	PORTSMOUTH BLVD		2	2	2	3	3	3	-	-	-	3	815
CHES	KEMPSVILLE RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		1	3	3	11	42	42	-	-	-	42	120
CHES	KEMPSVILLE RD	CHESAPEAKE EXPRESSWAY	GREENBRIER PKWY		1	3	3	11	42	42	-	-	-	42	120
CHES	KEMPSVILLE RD	GREENBRIER PKWY	VOLVO PKWY		0	0	0	0	0	0	-	-	-	0	1084
CHES	KEMPSVILLE RD	VOLVO PKWY	VA BEACH CL		0	2	2	0	2	2	-	-	-	2	869
CHES	LIBERTY ST	SCL NORFOLK	22ND ST		-	-	-	-	-	-	1	0	1	1	949
CHES	LIBERTY ST	22ND ST	POINDEXTER RD		1	1	1	1	1	1	-	-	-	1	949
CHES	LIBERTY ST	POINDEXTER RD	OLD ATLANTIC AVE		1	1	1	1	1	1	-	-	-	1	949
CHES	LIBERTY ST	OLD ATLANTIC AVE	CAMPOSTELLA RD		1	1	1	1	1	1	-	-	-	1	949
CHES	MILITARY HWY	AIRLINE BLVD	I-64		3	3	3	3	3	3	-	-	-	3	815
CHES	MILITARY HWY	I-64	CAVALIER BLVD		23	13	23	11	4	11	-	-	-	23	267
CHES	MILITARY HWY	CAVALIER BLVD	GEORGE WASHINGTON HWY		18	14	18	4	2	4	-	-	-	18	335
CHES	MILITARY HWY	GEORGE WASHINGTON HWY	CANAL DR		18	12	18	13	23	23	-	-	-	23	267
CHES	MILITARY HWY/GILMERTON BRIDGE	CANAL DR	BAINBRIDGE BLVD		9	11	11	8	36	36	-	-	-	36	155
CHES	MILITARY HWY	BAINBRIDGE BLVD	I-464		15	13	15	9	41	41	-	-	-	41	129
CHES	MILITARY HWY	I-464	CAMPOSTELLA RD		10	23	23	16	59	59	-	-	-	59	45

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
CHES	MILITARY HWY	CAMPOSTELLA RD	BATTLEFIELD BLVD		3	3	3	15	62	62	-	-	-	62	34
CHES	MILITARY HWY	BATTLEFIELD BLVD	ALLISON DR		8	14	14	2	15	15	-	-	-	15	390
CHES	MILITARY HWY	ALLISON DR	GREENBRIER PKWY		9	16	16	2	17	17	-	-	-	17	353
CHES	MILITARY HWY	GREENBRIER PKWY	VA BEACH CL		1	12	12	3	13	13	-	-	-	13	467
CHES	MOSES GRANDY TRAIL	GW HWY @ HINTON AVE	SHIPYARD/CEDAR RD/GW HWY RELOC		0	0	0	7	23	23	-	-	-	23	267
CHES	MOSES GRANDY TRAIL	SHIPYARD RD/CEDAR RD	CEDAR RD		0	0	0	7	23	23	-	-	-	23	267
CHES	MOSES GRANDY TRAIL	CEDAR RD	DOMINION BLVD		0	0	0	7	23	23	-	-	-	23	267
CHES	MOUNT PLEASANT RD	BATTLEFIELD BLVD	CHESAPEAKE EXPRESSWAY		0	0	0	2	14	14	-	-	-	14	436
CHES	MOUNT PLEASANT RD	CHESAPEAKE EXPRESSWAY	CENTERVILLE TNPK		8	10	10	8	8	8	-	-	-	10	552
CHES	MOUNT PLEASANT RD	CENTERVILLE TNPK	FENTRESS AIRFIELD RD		8	8	8	8	8	8	-	-	-	8	621
CHES	MOUNT PLEASANT RD	FENTRESS AIRFIELD RD	VA BEACH CL		0	0	0	0	0	0	-	-	-	0	1084
CHES	OLD ATLANTIC AVE	ATLANTIC AVE	LIBERTY ST		-	-	-	-	-	-	0	0	0	0	1084
CHES	OLD BATTLEFIELD BLVD	BALLAHACK RD	BATTLEFIELD BLVD		19	19	19	13	13	13	-	-	-	19	319
CHES	POINDEXTER ST (S NORFOLK JORDAN	PORTSMOUTH CL	I-464		9	9	9	9	9	9	-	-	-	9	590
CHES	POINDEXTER ST	I-464	BAINBRIDGE BLVD		2	2	2	0	0	0	-	-	-	2	869
CHES	POINDEXTER ST	BAINBRIDGE BLVD	LIBERTY ST		1	1	1	1	3	3	-	-	-	3	815
CHES	POPLAR HILL RD	WESTERN BRANCH BLVD	CHURCHLAND BLVD		0	0	0	3	5	5	-	-	-	5	719
CHES	PORTSMOUTH BLVD	SUFFOLK CL	JOLLIFF RD		1	1	1	1	3	3	-	-	-	3	815
CHES	PORTSMOUTH BLVD	JOLLIFF RD	I-664		3	3	3	3	8	8	-	-	-	8	621
CHES	PORTSMOUTH BLVD	I-664	TAYLOR RD		8	19	19	8	12	12	-	-	-	19	319
CHES	PORTSMOUTH BLVD	TAYLOR RD	DOCK LANDING RD		0	11	11	0	4	4	-	-	-	11	521
CHES	PORTSMOUTH BLVD	DOCK LANDING RD	PORTSMOUTH CL		0	2	2	0	4	4	-	-	-	4	765
CHES	PROVIDENCE RD	ATLANTIC AVE	CAMPOSTELLA RD		0	0	0	0	0	0	-	-	-	0	1084
CHES	PROVIDENCE RD	CAMPOSTELLA RD	VA BEACH CL		0	0	0	0	0	0	-	-	-	0	1084
CHES	PUGHSVILLE RD	SUFFOLK CL	I-664		2	2	2	2	2	2	-	-	-	2	869
CHES	PUGHSVILLE RD	I-664	TAYLOR RD		31	56	56	0	2	2	-	-	-	56	53
CHES	ROUTE 13/58/460	SUFFOLK CL	I-664	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
CHES	SIGN PINE RD	EDINBURGH PKWY	BENEFIT RD		-	-	-	-	-	-	0	0	0	0	1084
CHES	TAYLOR RD	PORTSMOUTH BLVD	ELIZABETH HARBOR RD		2	4	4	2	4	4	-	-	-	4	765
CHES	TAYLOR RD	ELIZABETH HARBOR RD	BRUCE RD		0	2	2	0	2	2	-	-	-	2	869
CHES	TAYLOR RD	BRUCE RD	PUGHSVILLE RD		2	6	6	3	7	7	-	-	-	7	671
CHES	TAYLOR RD	PUGHSVILLE RD	WESTERN BRANCH BLVD		0	0	0	0	0	0	-	-	-	0	1084
CHES	TOWNE POINT RD	PORTSMOUTH CL	CHURCHLAND BLVD		5	8	8	5	10	10	-	-	-	10	552
CHES	TYRE NECK RD	BRUCE RD	SILVERWOOD BLVD		-	-	-	-	-	-	0	0	0	0	1084
CHES	TYRE NECK RD	SILVERWOOD BLVD	PORTSMOUTH CL		-	-	-	-	-	-	0	2	2	2	869
CHES	VOLVO PKWY	BATTLEFIELD BLVD	GREENBRIER PKWY		4	20	20	4	20	20	-	-	-	20	307
CHES	VOLVO PKWY	GREENBRIER PKWY	EDEN WAY		1	10	10	4	5	5	-	-	-	10	552
CHES	VOLVO PKWY	EDEN WAY	KEMPSVILLE RD		1	10	10	6	5	6	-	-	-	10	552
CHES	VOLVO PKWY	KEMPSVILLE RD	VA BEACH CL		2	2	2	22	23	23	-	-	-	23	267
CHES	WESTERN BRANCH BLVD	CHURCHLAND BLVD	TAYLOR RD		8	12	12	8	12	12	-	-	-	12	491
CHES	WESTERN BRANCH BLVD	TAYLOR RD	PORTSMOUTH CL		8	12	12	8	12	12	-	-	-	12	491
FR	ARMORY DR	ROUTE 58	BAILEY DR		-	-	-	-	-	-	0	0	0	0	1084
FR	ARMORY DR	BAILEY DR	COLLEGE DR		-	-	-	-	-	-	0	0	0	0	1084
FR	ARMORY DR	COLLEGE DR	GARDNER ST		-	-	-	-	-	-	0	0	0	0	1084
FR	ARMORY DR/SECOND AVE	GARDNER ST	HIGH ST		-	-	-	-	-	-	0	0	0	0	1084
FR	CLAY ST	SOUTHAMPTON CL	COLLEGE DR		0	0	0	0	0	0	-	-	-	0	1084
FR	CLAY ST	COLLEGE DR	HOMESTEAD RD		1	1	1	1	1	1	-	-	-	1	949
FR	CLAY ST	HOMESTEAD RD	LEE ST		1	1	1	1	1	1	-	-	-	1	949
FR	CLAY ST/FOURTH AVE	LEE ST	HIGH ST		1	1	1	1	1	1	-	-	-	1	949
FR	COLLEGE DR	SOUTH ST	ARMORY DR		-	-	-	-	-	-	0	0	0	0	1084
FR	COLLEGE DR	ARMORY DR	CLAY ST		-	-	-	-	-	-	0	0	0	0	1084
FR	FAIRVIEW DR	HUNTERDALE RD	CRESENT DR		-	-	-	-	-	-	0	0	0	0	1084
FR	FAIRVIEW DR	CRESENT DR	HIGH ST		-	-	-	-	-	-	0	0	0	0	1084
FR	FOURTH AVE/MECHANIC ST	HIGH ST	SECOND AVE		0	0	0	2	2	2	-	-	-	2	869
FR	HIGH ST	SOUTH ST	SECOND AVE		-	-	-	-	-	-	0	0	0	0	1084

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
FR	HIGH ST	SECOND AVE	FOURTH AVE		-	-	-	-	-	-	0	0	0	0	1084
FR	HIGH ST	FOURTH AVE	HOMESTEAD RD		-	-	-	-	-	-	0	0	0	0	1084
FR	HIGH ST	HOMESTEAD RD	FAIRVIEW DR		-	-	-	-	-	-	0	0	0	0	1084
FR	HUNTERDALE RD	CLAY ST	FAIRVIEW DR		-	-	-	-	-	-	0	0	0	0	1084
FR	MAIN ST	SOUTH ST	SECOND AVE		0	0	0	0	0	0	-	-	-	0	1084
FR	PRETLOW ST	ROUTE 58	MORTON ST		-	-	-	-	-	-	0	0	0	0	1084
FR	PRETLOW ST	MORTON ST	LAUREL ST		-	-	-	-	-	-	0	0	0	0	1084
FR	PRETLOW ST	LAUREL ST	SOUTH ST		-	-	-	-	-	-	0	0	0	0	1084
FR	SECOND AVE	HIGH ST	MAIN ST		-	-	-	-	-	-	0	0	0	0	1084
FR	SECOND AVE	MAIN ST	MECHANIC ST		1	1	1	0	0	0	-	-	-	1	949
FR	SECOND AVE	MECHANIC ST	ISLE OF WIGHT CL		1	1	1	0	0	0	-	-	-	1	949
FR	SOUTH ST	ROUTE 58	COLLEGE DR		0	0	0	0	0	0	-	-	-	0	1084
FR	SOUTH ST	COLLEGE DR	PRETLOW ST		0	0	0	0	0	0	-	-	-	0	1084
FR	SOUTH ST	PRETLOW ST	HIGH ST		0	0	0	0	0	0	-	-	-	0	1084
FR	SOUTH ST	HIGH ST	MAIN ST		0	0	0	0	0	0	-	-	-	0	1084
GLO	BELROI RD	HICKORY FORK RD	ROUTE 17		-	-	-	-	-	-	0	0	0	0	1084
GLO	GUINEA RD	ROUTE 17	MARYUS RD		-	-	-	-	-	-	3	3	3	3	815
GLO	HICKORY FORK RD	ROUTE 17	BELROI RD		-	-	-	-	-	-	0	0	0	0	1084
GLO	RTE 3/14	RTE 17 BUS	COW CREEK		-	-	-	-	-	-	0	0	0	0	1084
GLO	RTE 3/14	COW CREEK	MATHEWS CL		-	-	-	-	-	-	0	0	0	0	1084
GLO	RTE 14	KING AND QUEEN CL	ROUTE 17		-	-	-	-	-	-	1	1	1	1	949
GLO	RTE 17 (COLEMAN BRIDGE)	YORK CL	RTE 216 (GUINEA RD)		18	20	20	18	18	18	-	-	-	20	307
GLO	RTE 17	RTE 216 (GUINEA RD)	RTE 614 (HICKORY FORK RD)		12	14	14	12	12	12	-	-	-	14	436
GLO	RTE 17	RTE 614 (HICKORY FORK RD)	RTE 17 BUS S (MAIN ST)		12	16	16	12	12	12	-	-	-	16	368
GLO	RTE 17	RTE 17 BUS S (MAIN ST)	RTE 17 BUS N (MAIN ST)		8	8	8	8	8	8	-	-	-	8	621
GLO	RTE 17	RTE 17 BUS N (MAIN ST)	RTE 606 (ARK RD)		8	8	8	8	8	8	-	-	-	8	621
GLO	RTE 17	RTE 606 (ARK RD)	ROUTE 14		8	8	8	8	8	8	-	-	-	8	621
GLO	RTE 17	ROUTE 14	ROUTES 33/198		8	8	8	8	8	8	-	-	-	8	621
GLO	RTE 17	ROUTES 33/198	MIDDLESEX CL		8	8	8	8	8	8	-	-	-	8	621
GLO	RTE 33	KING AND QUEEN CL	ROUTE 17		1	1	1	1	1	1	-	-	-	1	949
GLO	RTE 198	ROUTE 17	RTE 601 (PAMPA RD)		-	-	-	-	-	-	0	0	0	0	1084
GLO	RTE 198	RTE 601 (PAMPA RD)	RTE 606 (HARCUM RD)		-	-	-	-	-	-	0	0	0	0	1084
GLO	RTE 198	RTE 606 (HARCUM RD)	MATHEWS CL		-	-	-	-	-	-	0	0	0	0	1084
GLO	MAIN ST (BUS RTE 17)	RTE 17 (SOUTH INTERSECTION)	RTE 3/14E		4	8	8	3	5	5	-	-	-	8	621
HAM	ABERDEEN RD	NEWPORT NEWS CL	PEMBROKE AVE		4	4	4	5	5	5	-	-	-	5	719
HAM	ABERDEEN RD	PEMBROKE AVE	I-664		17	18	18	51	35	51	-	-	-	51	74
HAM	ABERDEEN RD	I-664	BRIARFIELD RD		3	5	5	4	5	5	-	-	-	5	719
HAM	ABERDEEN RD	BRIARFIELD RD	MERCURY BLVD		1	1	1	0	0	0	-	-	-	1	949
HAM	ABERDEEN RD	MERCURY BLVD	TODDS LA		20	30	30	22	25	25	-	-	-	30	205
HAM	ARMISTEAD AVE	COMMANDER SHEPARD BLVD	HRC PARKWAY		16	16	16	16	16	16	-	-	-	16	368
HAM	ARMISTEAD AVE	HRC PARKWAY	MERCURY BLVD		13	13	13	14	16	16	-	-	-	16	368
HAM	ARMISTEAD AVE	MERCURY BLVD	PINE CHAPEL RD		5	7	7	7	7	7	-	-	-	7	671
HAM	ARMISTEAD AVE	PINE CHAPEL RD	LASALLE AVE		8	10	10	10	10	10	-	-	-	10	552
HAM	ARMISTEAD AVE	LASALLE AVE	RIP RAP RD		20	25	25	16	16	16	-	-	-	25	244
HAM	ARMISTEAD AVE	RIP RAP RD	PEMBROKE AVE		10	10	10	11	13	13	-	-	-	13	467
HAM	ARMISTEAD AVE	PEMBROKE AVE	SETTLERS LANDING RD		5	5	5	4	6	6	-	-	-	6	690
HAM	BIG BETHEL RD	TODDS LANE	HRC PKWY		9	9	9	7	9	9	-	-	-	9	590
HAM	BIG BETHEL RD	HRC PKWY	THOMAS NELSON DR		8	8	8	10	12	12	-	-	-	12	491
HAM	BIG BETHEL RD	THOMAS NELSON DR	SAUNDERS RD		0	0	0	0	0	0	-	-	-	0	1084
HAM	BIG BETHEL RD	SAUNDERS RD	SEMPLE FARM RD		8	10	10	8	8	8	-	-	-	10	552
HAM	BIG BETHEL RD	SEMPLE FARM RD	YORK CL		8	8	8	8	8	8	-	-	-	8	621
HAM	BRIARFIELD RD	NEWPORT NEWS CL	ABERDEEN RD		1	1	1	0	0	0	-	-	-	1	949
HAM	BRIARFIELD RD	ABERDEEN RD	POWER PLANT PKWY		0	0	0	1	1	1	-	-	-	1	949
HAM	CHESTNUT AVE	NEWPORT NEWS CL	MERCURY BLVD		1	1	1	0	0	0	-	-	-	1	949
HAM	COMMANDER SHEPARD BLVD	BIG BETHEL RD	NORTH CAMPUS PKWY		8	8	8	8	8	8	-	-	-	8	621
HAM	COMMANDER SHEPARD BLVD	NORTH CAMPUS PKWY	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		8	8	8	8	8	8	-	-	-	8	621

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
HAM	COMMANDER SHEPARD BLVD	MAGRUDER BLVD/NEIL ARMSTRONG PK	ARMISTEAD AVE		9	9	9	8	8	8	-	-	-	9	590
HAM	COMMANDER SHEPARD BLVD	ARMISTEAD AVE	NASA MAIN GATE		8	8	8	8	8	8	-	-	-	8	621
HAM	COMMANDER SHEPARD BLVD	NASA MAIN GATE	WYTHE CREEK RD		8	8	8	8	8	8	-	-	-	8	621
HAM	COMMANDER SHEPARD BLVD	WYTHE CREEK RD	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		24	26	26	49	43	49	-	-	-	49	88
HAM	COLISEUM DR	CONVENTION CENTER BLVD	PINE CHAPEL RD		-	-	-	-	-	-	0	0	0	0	1084
HAM	COLISEUM DR	PINE CHAPEL RD	MERCURY BLVD		13	15	15	3	3	3	-	-	-	15	390
HAM	COLISEUM DR	MERCURY BLVD	MARCELLA DR		2	4	4	1	5	5	-	-	-	5	719
HAM	COLISEUM DR	MARCELLA DR	HRC PARKWAY		2	4	4	1	5	5	-	-	-	5	719
HAM	CONVENTION CENTER BLVD	COLISEUM DR	ARMISTEAD AVE		-	-	-	-	-	-	0	0	0	0	1084
HAM	COUNTY ST	WOODLAND RD	MALLORY ST		1	1	1	3	10	10	-	-	-	10	552
HAM	CUNNINGHAM DR	TODDS LA	COLISEUM DR		9	13	13	9	13	13	-	-	-	13	467
HAM	CUNNINGHAM DR	COLISEUM DR	MERCURY BLVD		13	13	13	13	13	13	-	-	-	13	467
HAM	FOX HILL RD	OLD BUCKROE RD	WOODLAND RD		0	0	0	0	0	0	-	-	-	0	1084
HAM	FOX HILL RD	WOODLAND RD	MERCURY BLVD		9	9	9	9	11	11	-	-	-	11	521
HAM	HARRIS CREEK RD	FOX HILL RD	LITTLE BACK RIVER RD		-	-	-	-	-	-	0	0	0	0	1084
HAM	HRC PARKWAY	NEWPORT NEWS CL	BIG BETHEL RD		8	10	10	8	8	8	-	-	-	10	552
HAM	HRC PARKWAY	BIG BETHEL RD	I-64		8	8	8	36	53	53	-	-	-	53	66
HAM	HRC PARKWAY	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		12	12	12	12	12	12	-	-	-	12	491
HAM	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	COLISEUM DR		11	11	11	8	8	8	-	-	-	11	521
HAM	HRC PARKWAY	COLISEUM DR	ARMISTEAD AVE		14	16	16	13	13	13	-	-	-	16	368
HAM	I-64	NEWPORT NEWS CL	HRC PARKWAY	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
HAM	I-64	HRC PARKWAY	MAGRUDER BLVD/NEIL ARMSTRONG PK	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	17	17	-	-	-	17	91
HAM	I-64	MAGRUDER BLVD/NEIL ARMSTRONG PK	MERCURY BLVD	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
HAM	I-64	MERCURY BLVD	I-664	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
HAM	I-64	I-664	ARMISTEAD AVE	EB	18	34	34	-	-	-	-	-	-	34	57
				WB	-	-	-	12	12	12	-	-	-	12	187
HAM	I-64	ARMISTEAD AVE	RIP RAP RD	EB	43	75	75	-	-	-	-	-	-	75	14
				WB	-	-	-	12	12	12	-	-	-	12	187
HAM	I-64	RIP RAP RD	SETTLERS LANDING RD	EB	92	94	94	-	-	-	-	-	-	94	1
				WB	-	-	-	12	12	12	-	-	-	12	187
HAM	I-64	SETTLERS LANDING RD	MALLORY ST	EB	91	93	93	-	-	-	-	-	-	93	2
				WB	-	-	-	11	11	11	-	-	-	11	213
HAM	I-64/HRBT	MALLORY ST	NORFOLK CL	EB	40	49	49	-	-	-	-	-	-	49	38
				WB	-	-	-	22	48	48	-	-	-	48	41
HAM	I-664	NEWPORT NEWS CL	ABERDEEN RD	SB	14	14	14	-	-	-	-	-	-	14	147
				NB	-	-	-	14	20	20	-	-	-	20	85
HAM	I-664	ABERDEEN RD	POWER PLANT PKWY	SB	13	13	13	-	-	-	-	-	-	13	161
				NB	-	-	-	14	21	21	-	-	-	21	82
HAM	I-664	POWER PLANT PKWY	I-64	SB	15	15	15	-	-	-	-	-	-	15	105
				NB	-	-	-	16	29	29	-	-	-	29	62
HAM	KECOUGHTAN RD	NEWPORT NEWS CL	POWHATAN PKWY		2	2	2	3	3	3	-	-	-	3	815
HAM	KECOUGHTAN RD	POWHATAN PKWY	LASALLE AVE		9	9	9	9	9	9	-	-	-	9	590
HAM	KECOUGHTAN RD	LASALLE AVE	VICTORIA BLVD		3	3	3	3	3	3	-	-	-	3	815
HAM	KECOUGHTAN RD	VICTORIA BLVD	SETTLERS LANDING RD		4	6	6	2	2	2	-	-	-	6	690
HAM	KING ST	PEMBROKE AVE	I-64 OVERPASS		1	1	1	1	1	1	-	-	-	1	949
HAM	KING ST	I-64 OVERPASS	RIP RAP RD		1	1	1	1	1	1	-	-	-	1	949
HAM	KING ST	RIP RAP RD	MERCURY BLVD		3	7	7	3	3	3	-	-	-	7	671
HAM	KING ST	MERCURY BLVD	OLD FOX HILL RD		8	8	8	8	10	10	-	-	-	10	552
HAM	KING ST	OLD FOX HILL RD	LITTLE BACK RIVER RD		8	8	8	8	8	8	-	-	-	8	621
HAM	KING ST	LITTLE BACK RIVER RD	LAMINGTON RD		8	8	8	8	8	8	-	-	-	8	621
HAM	KING ST	LAMINGTON RD	OLD BUCKINGHAM RD		8	8	8	8	8	8	-	-	-	8	621
HAM	KING ST	OLD BUCKINGHAM RD	LANGLEY AFB		8	8	8	8	8	8	-	-	-	8	621

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
HAM	LASALLE AVE	KECOUGHTAN RD	VICTORIA BLVD		1	1	1	1	1	1	-	-	-	1	949
HAM	LASALLE AVE	VICTORIA BLVD	SETTLERS LANDING RD		0	0	0	0	0	0	-	-	-	0	1084
HAM	LASALLE AVE	SETTLERS LANDING RD	PEMBROKE AVE		3	5	5	3	7	7	-	-	-	7	671
HAM	LASALLE AVE	PEMBROKE AVE	ARMISTEAD AVE		9	11	11	9	11	11	-	-	-	11	521
HAM	LASALLE AVE	ARMISTEAD AVE	MERCURY BLVD		15	15	15	16	16	16	-	-	-	16	368
HAM	LASALLE AVE	MERCURY BLVD	LANGLEY GATE		10	10	10	10	10	10	-	-	-	10	552
HAM	LITTLE BACK RIVER RD	KING ST	ROCKWELL RD		-	-	-	-	-	-	5	24	24	24	254
HAM	LITTLE BACK RIVER RD	ROCKWELL RD	HARRIS CREEK RD		-	-	-	-	-	-	0	0	0	0	1084
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	YORK CL	SEMPLE FARM RD		8	8	8	8	8	8	-	-	-	8	621
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	SEMPLE FARM RD	COMM SHEPARD BLVD (SOUTH)		13	11	13	12	14	14	-	-	-	14	436
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	COMM SHEPARD BLVD (SOUTH)	HRC PARKWAY		17	17	17	17	17	17	-	-	-	17	353
HAM	MAGRUDER BLVD/NEIL ARMSTRONG	HRC PARKWAY	I-64		17	27	27	13	13	13	-	-	-	27	227
HAM	MALLORY ST	I-64	COUNTY ST		3	3	3	46	63	63	-	-	-	63	29
HAM	MALLORY ST	COUNTY ST	MERCURY BLVD		4	6	6	26	43	43	-	-	-	43	114
HAM	MALLORY ST	MERCURY BLVD	PEMBROKE AVE		8	8	8	8	8	8	-	-	-	8	621
HAM	MELLEN ST	MERCURY BLVD	MALLORY ST		2	2	2	2	2	2	-	-	-	2	869
HAM	MERCURY BLVD	NEWPORT NEWS CL	BIG BETHEL RD		24	28	28	28	36	36	-	-	-	36	155
HAM	MERCURY BLVD	BIG BETHEL RD	ABERDEEN RD		23	27	27	22	22	22	-	-	-	27	227
HAM	MERCURY BLVD	ABERDEEN RD	POWER PLANT PKWY		25	51	51	31	35	35	-	-	-	51	74
HAM	MERCURY BLVD	POWER PLANT PKWY	I-64		15	21	21	41	76	76	-	-	-	76	2
HAM	MERCURY BLVD	I-64	COLISEUM DR		21	53	53	14	27	27	-	-	-	53	66
HAM	MERCURY BLVD	COLISEUM DR	CUNNINGHAM DR		31	63	63	25	32	32	-	-	-	63	29
HAM	MERCURY BLVD	CUNNINGHAM DR	ARMISTEAD AVE		23	55	55	16	26	26	-	-	-	55	60
HAM	MERCURY BLVD	ARMISTEAD AVE	LASALLE AVE		12	12	12	14	18	18	-	-	-	18	335
HAM	MERCURY BLVD	LASALLE AVE	KING ST		17	21	21	17	19	19	-	-	-	21	302
HAM	MERCURY BLVD	KING ST	FOX HILL RD		8	12	12	9	13	13	-	-	-	13	467
HAM	MERCURY BLVD	FOX HILL RD	ANDREWS BLVD		6	10	10	7	11	11	-	-	-	11	521
HAM	MERCURY BLVD	ANDREWS BLVD	PEMBROKE AVE		34	50	50	11	15	15	-	-	-	50	80
HAM	MERCURY BLVD	PEMBROKE AVE	WOODLAND RD		21	16	21	24	42	42	-	-	-	42	120
HAM	MERCURY BLVD	WOODLAND RD	MALLORY ST		3	3	3	3	3	3	-	-	-	3	815
HAM	MERCURY BLVD	MALLORY ST	MELLEN ST/INGALLS RD		2	2	2	2	2	2	-	-	-	2	869
HAM	OLD BUCKROE RD	PEMBROKE AVE	FOX HILL RD		0	0	0	0	0	0	-	-	-	0	1084
HAM	PEMBROKE AVE	NEWPORT NEWS CL	ABERDEEN RD		4	4	4	4	4	4	-	-	-	4	765
HAM	PEMBROKE AVE	ABERDEEN RD	POWHATAN PKWY		9	9	9	9	9	9	-	-	-	9	590
HAM	PEMBROKE AVE	POWHATAN PKWY	SETTLERS LANDING RD		0	0	0	0	0	0	-	-	-	0	1084
HAM	PEMBROKE AVE	SETTLERS LANDING RD	LASALLE AVE		15	45	45	4	6	6	-	-	-	45	102
HAM	PEMBROKE AVE	LASALLE AVE	ARMISTEAD AVE		2	2	2	2	2	2	-	-	-	2	869
HAM	PEMBROKE AVE	ARMISTEAD AVE	KING ST		11	11	11	11	11	11	-	-	-	11	521
HAM	PEMBROKE AVE	KING ST	EATON ST		2	2	2	2	2	2	-	-	-	2	869
HAM	PEMBROKE AVE	EATON ST	BARRON ST		2	4	4	0	0	0	-	-	-	4	765
HAM	PEMBROKE AVE	BARRON ST	MERCURY BLVD		3	5	5	1	1	1	-	-	-	5	719
HAM	PEMBROKE AVE	MERCURY BLVD	WOODLAND RD		1	1	1	1	1	1	-	-	-	1	949
HAM	PEMBROKE AVE	WOODLAND RD	OLD BUCKROE RD		10	10	10	10	10	10	-	-	-	10	552
HAM	PEMBROKE AVE	OLD BUCKROE RD	MALLORY ST		0	0	0	0	0	0	-	-	-	0	1084
HAM	POWER PLANT PKWY	I-664	BRIARFIELD RD		1	1	1	0	0	0	-	-	-	1	949
HAM	POWER PLANT PKWY	BRIARFIELD RD	PINE CHAPEL RD		0	0	0	1	1	1	-	-	-	1	949
HAM	POWER PLANT PKWY	PINE CHAPEL RD	MERCURY BLVD		-	-	-	-	-	-	14	19	19	19	319
HAM	POWHATAN PKWY	KECOUGHTAN RD	PEMBROKE AVE		1	1	1	0	0	0	-	-	-	1	949
HAM	POWHATAN PKWY	PEMBROKE AVE	I-664		5	7	7	42	56	56	-	-	-	56	53
HAM	QUEEN ST	BRIARFIELD RD	MICHIGAN DR		0	0	0	0	0	0	-	-	-	0	1084
HAM	QUEEN ST	MICHIGAN DR	PEMBROKE AVE		0	0	0	0	0	0	-	-	-	0	1084
HAM	RIP RAP RD	ARMISTEAD AVE	I-64		6	23	23	14	43	43	-	-	-	43	114
HAM	RIP RAP RD	I-64	KING ST		3	5	5	1	1	1	-	-	-	5	719
HAM	ROANOKE AVE	NEWPORT NEWS CL	MERCURY BLVD		3	3	3	2	2	2	-	-	-	3	815
HAM	SAUNDERS RD	NEWPORT NEWS CL	BIG BETHEL RD		0	0	0	0	0	0	-	-	-	0	1084
HAM	SEMPLE FARM RD	BIG BETHEL RD	BELLGRADE DR		-	-	-	-	-	-	8	8	8	8	621

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
HAM	SEMPLE FARM RD	BELLGRADE DR	MAGRUDER BLVD/NEIL ARMSTRONG PKWY		-	-	-	-	-	-	0	0	0	0	1084
HAM	SETTLERS LANDING RD	PEMBROKE AVE	LASALLE AVE		28	43	43	21	20	21	-	-	-	43	114
HAM	SETTLERS LANDING RD	LASALLE AVE	KECOUGHTAN RD		1	3	3	2	4	4	-	-	-	4	765
HAM	SETTLERS LANDING RD	KECOUGHTAN RD	ARMISTEAD AVE		19	27	27	20	36	36	-	-	-	36	155
HAM	SETTLERS LANDING RD	ARMISTEAD AVE	EATON ST		24	20	24	9	9	9	-	-	-	24	254
HAM	SETTLERS LANDING RD	EATON ST	TYLER ST		57	71	71	13	15	15	-	-	-	71	9
HAM	SETTLERS LANDING RD	TYLER ST	I-64		51	65	65	7	9	9	-	-	-	65	25
HAM	TODDS LA	NEWPORT NEWS CL	BIG BETHEL RD		4	6	6	4	4	4	-	-	-	6	690
HAM	TODDS LA	BIG BETHEL RD	ABERDEEN RD		4	4	4	4	6	6	-	-	-	6	690
HAM	TODDS LA	ABERDEEN RD	CUNNINGHAM DR		3	5	5	3	5	5	-	-	-	5	719
HAM	TODDS LA	CUNNINGHAM DR	MERCURY BLVD		19	23	23	18	24	24	-	-	-	24	254
HAM	WOODLAND RD	I-64	COUNTY ST		3	12	12	51	66	66	-	-	-	66	22
HAM	WOODLAND RD	COUNTY ST	MERCURY BLVD		10	7	10	47	57	57	-	-	-	57	49
HAM	WOODLAND RD	MERCURY BLVD	PEMBROKE AVE		4	4	4	4	4	4	-	-	-	4	765
HAM	WOODLAND RD	PEMBROKE AVE	FOX HILL RD		1	1	1	0	0	0	-	-	-	1	949
HAM	WYTHE CREEK RD	COMMANDER SHEPARD BLVD	POQUOSON CL		9	11	11	8	8	8	-	-	-	11	521
IW	BATTERY PARK RD	S CHURCH ST	NIKE PARK RD		-	-	-	-	-	-	0	2	2	2	869
IW	BATTERY PARK RD	NIKE PARK RD	COUNTRY WAY		-	-	-	-	-	-	0	0	0	0	1084
IW	BENNS CHURCH BLVD	SUFFOLK CL	RIDDICK RD		1	1	1	1	1	1	-	-	-	1	949
IW	BENNS CHURCH BLVD	RIDDICK RD	ROUTE 10 & 32 (BREWERS NECK BLVD)		1	1	1	1	1	1	-	-	-	1	949
IW	BENNS CHURCH BLVD	ROUTE 10 & 32 (BREWERS NECK BLVD)	ECL SMITHFIELD (RTE 644)		5	5	5	5	5	5	-	-	-	5	719
IW	BENNS CHURCH BLVD	ECL SMITHFIELD (RTE 644)	CHURCH ST S		6	11	11	32	26	32	-	-	-	32	186
IW	BREWERS NECK BLVD	ROUTE 10 & 32 (BENN'S CHURCH)	RTE 670		3	3	3	3	3	3	-	-	-	3	815
IW	BREWERS NECK BLVD	RTE 670	ROUTE 17		3	3	3	3	3	3	-	-	-	3	815
IW	BUCKHORN DR	SUFFOLK CL	SUNSET DR (RTE 609)		-	-	-	-	-	-	0	0	0	0	1084
IW	BUCKHORN DR	SUNSET DR (RTE 609)	SCL WINDSOR		-	-	-	-	-	-	0	0	0	0	1084
IW	BUS RTE 10	NCL SMITHFIELD	JENKINS LANE		-	-	-	-	-	-	0	0	0	0	1084
IW	BUS RTE 10	JENKINS LANE	RT 10 BYPASS		-	-	-	-	-	-	0	0	0	0	1084
IW	BUS RTE 58/BUS RTE 258	FRANKLIN CL	JAMESTOWN LN (RTE 691)		1	1	1	0	0	0	-	-	-	1	949
IW	BUS RTE 58/BUS RTE 258	JAMESTOWN LN (RTE 691)	ROUTE 258		1	1	1	0	0	0	-	-	-	1	949
IW	BUS RTE 58	ROUTE 258	SUFFOLK CL		0	0	0	0	0	0	-	-	-	0	1084
IW	CARROLLTON BLVD	SUFFOLK CL	WEST END CHUCKATUCK BRIDGE		9	9	9	8	8	8	-	-	-	9	590
IW	CARROLLTON BLVD	WEST END CHUCKATUCK BRIDGE	ROUTE 258		19	19	19	18	18	18	-	-	-	19	319
IW	CARROLLTON BLVD	ROUTE 258	SMITH'S NECK RD		12	10	12	21	62	62	-	-	-	62	34
IW	CARROLLTON BLVD/JAMES RIVER BR	SMITH'S NECK RD	NEWPORT NEWS CL		16	16	16	19	33	33	-	-	-	33	179
IW	CHURCH ST S	RTE 10 BYPASS	BATTERY PARK RD		0	0	0	1	1	1	-	-	-	1	949
IW	CHURCH ST S	BATTERY PARK RD	CYPRESS CREEK BRIDGE		1	1	1	1	1	1	-	-	-	1	949
IW	CHURCH ST S	CYPRESS CREEK BRIDGE	MAIN ST		1	1	1	1	1	1	-	-	-	1	949
IW	CHURCH ST N	MAIN ST	SMITHFIELD CL		-	-	-	-	-	-	2	2	2	2	869
IW	COURT ST	SCL WINDSOR/BUCKHORN DR	ROUTE 460		-	-	-	-	-	-	0	0	0	0	1084
IW	MAIN ST	ROUTE 10 BYPASS	CHURCH ST		1	1	1	2	2	2	-	-	-	2	869
IW	NIKE PARK RD	BATTERY PARK RD	TITUS CREEK DR		-	-	-	-	-	-	5	0	5	5	719
IW	RESCUE RD	NEWPORT ST (RTE 1002)	SMITH'S NECK RD		-	-	-	-	-	-	0	0	0	0	1084
IW	ROUTE 10 (OLD STAGE HWY)	BUS RTE 10	IW/SURRY CL		1	1	1	1	1	1	-	-	-	1	949
IW	ROUTE 10 BYPASS	CHURCH ST S	FAIRWAY DR		4	6	6	2	2	2	-	-	-	6	690
IW	ROUTE 10 BYPASS	FAIRWAY DR	MAIN ST		4	6	6	2	2	2	-	-	-	6	690
IW	ROUTE 10 BYPASS	MAIN ST	NCL SMITHFIELD		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 10 BYPASS	NCL SMITHFIELD	BUS RTE 10		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258	SUFFOLK CL	UNION CAMP DR (RTE 656)		-	-	-	-	-	-	6	6	6	6	690
IW	ROUTE 258	UNION CAMP DR (RTE 656)	CARRSVILLE HWY (BUS RTE 58)		-	-	-	-	-	-	1	0	1	1	949
IW	ROUTE 258	CARRSVILLE HWY (BUS RTE 58)	BURDETTE RD (W RTE 619)		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258	BURDETTE RD (W RTE 619)	RIVER RUN TRAIL (W RTE 614)		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258	RIVER RUN TRAIL (W RTE 614)	BLACKWATER RD (RTE 603)		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258	BLACKWATER RD (RTE 603)	WCL WINDSOR		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258	WCL WINDSOR	ROUTE 460		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258	ROUTE 460	ECL WINDSOR		1	1	1	1	1	1	-	-	-	1	949

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA				
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS	MAX POINTS OVERALL	SEGMENT POINTS RANK
IW	ROUTE 258	ECL WINDSOR	COURT ST NORTH (RTE 610)		1	1	1	1	1	1	-	-	-	1	949
IW	ROUTE 258	COURT ST NORTH (RTE 610)	IRON MINE SPRINGS RD (RTE 605)		1	1	1	1	1	1	-	-	-	1	949
IW	ROUTE 258	IRON MINE SPRINGS RD (RTE 605)	CENTRAL HILL RD (W RTE 637)		1	1	1	1	1	1	-	-	-	1	949
IW	ROUTE 258	CENTRAL HILL RD (W RTE 637)	SCOTTS FACTORY RD (RTE 620)		0	0	0	1	1	1	-	-	-	1	949
IW	ROUTE 258	SCOTTS FACTORY RD (RTE 620)	WCL SMITHFIELD		0	0	0	0	0	0	-	-	-	0	1084
IW	ROUTE 258/N MAIN ST	WCL SMITHFIELD	RTE 10 BYPASS		1	1	1	1	1	1	-	-	-	1	949
IW	ROUTE 460	SOUTHAMPTON CL	FIRETOWER RD (RTE 644)		15	15	15	15	15	15	-	-	-	15	390
IW	ROUTE 460	FIRETOWER RD (RTE 644)	WCL WINDSOR		15	15	15	15	15	15	-	-	-	15	390
IW	ROUTE 460	WCL WINDSOR	ROUTE 258		15	15	15	15	15	15	-	-	-	15	390
IW	ROUTE 460	ROUTE 258	COURT ST (RTE 610)		23	36	36	37	36	37	-	-	-	37	149
IW	ROUTE 460	COURT ST (RTE 610)	ECL WINDSOR		15	15	15	15	15	15	-	-	-	15	390
IW	ROUTE 460	ECL WINDSOR	SUFFOLK CL		15	15	15	15	15	15	-	-	-	15	390
IW	SMITH'S NECK RD	CARROLLTON BLVD	REYNOLDS DR		-	-	-	-	-	-	23	18	23	23	267
IW	SMITH'S NECK RD	REYNOLDS DR	TITUS CREEK DR		-	-	-	-	-	-	7	2	7	7	671
IW	SMITH'S NECK RD	TITUS CREEK DR	RESCUE RD		-	-	-	-	-	-	0	0	0	0	1084
IW	TITUS CREEK DR	SMITH'S NECK RD	NIKE PARK RD		-	-	-	-	-	-	0	0	0	0	1084
IW	TODD AVE/WARWICK ST	COUNTRY WAY	NEWPORT ST (RTE 1002)		-	-	-	-	-	-	0	0	0	0	1084
JCC	BARHAMSVILLE RD	I-64	ROUTE 60		1	1	1	1	1	1	-	-	-	1	949
JCC	CENTERVILLE RD	JOHN TYLER HWY	MONTICELLO AVE		-	-	-	-	-	-	0	0	0	0	1084
JCC	CENTERVILLE RD	MONTICELLO AVE	NEWS RD		-	-	-	-	-	-	0	0	0	0	1084
JCC	CENTERVILLE RD	NEWS RD	LONGHILL RD		-	-	-	-	-	-	1	0	1	1	949
JCC	CENTERVILLE RD	LONGHILL RD	RICHMOND RD		-	-	-	-	-	-	3	19	19	19	319
JCC	COLONIAL NATL HIST PKWY	JAMESTOWN/RTE 359	WILLIAMSBURG CL/RTE 199		-	-	-	-	-	-	0	0	0	0	1084
JCC	CROAKER RD	ROUTE 60	MAXTON LN (RTE 760)		0	0	0	1	1	1	-	-	-	1	949
JCC	CROAKER RD	MAXTON LN (RTE 760)	I-64		0	0	0	1	1	1	-	-	-	1	949
JCC	CROAKER RD	I-64	FENTON MILL RD		-	-	-	-	-	-	0	0	0	0	1084
JCC	CROAKER RD	FENTON MILL RD	RIVERVIEW RD		-	-	-	-	-	-	0	0	0	0	1084
JCC	DEPUE DR	LONGHILL RD (RTE 612)	IRONBOUND RD		0	0	0	0	0	0	-	-	-	0	1084
JCC	I-64	NEW KENT CL	RTE 30	EB	14	14	14	-	-	-	-	-	-	14	147
				WB	-	-	-	14	14	14	-	-	-	14	147
JCC	I-64	RTE 30	CROAKER RD (RTE 607)	EB	16	16	16	-	-	-	-	-	-	16	98
				WB	-	-	-	14	14	14	-	-	-	14	147
JCC	I-64	CROAKER RD (RTE 607)	YORK CL	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
JCC	I-64	YORK CL	NEWPORT NEWS CL	EB	26	26	26	-	-	-	-	-	-	26	69
				WB	-	-	-	26	28	28	-	-	-	28	65
JCC	IRONBOUND RD	STRAWBERRY PLAINS RD	MONTICELLO AVE		-	-	-	-	-	-	0	0	0	0	1084
JCC	IRONBOUND RD	MONTICELLO AVE	WILLIAMSBURG CL		0	0	0	1	1	1	-	-	-	1	949
JCC	IRONBOUND RD/NEWS RD	JOHN TYLER HWY	MONTICELLO AVE		0	0	0	0	0	0	-	-	-	0	1084
JCC	IRONBOUND RD/SANDY BAY RD	JAMESTOWN RD	JOHN TYLER HWY		0	0	0	0	0	0	-	-	-	0	1084
JCC	JAMESTOWN RD	JAMES RIVER/FERRY	COLONIAL PARKWAY (RTE 359)		-	-	-	-	-	-	0	0	0	0	1084
JCC	JAMESTOWN RD	COLONIAL PARKWAY (RTE 359)	SANDY BAY RD (RTE 681)		0	0	0	0	0	0	-	-	-	0	1084
JCC	JAMESTOWN RD	SANDY BAY RD (RTE 681)	NECK-O-LAND RD		0	0	0	0	0	0	-	-	-	0	1084
JCC	JAMESTOWN RD	NECK-O-LAND RD	WILLIAMSBURG CL		0	0	0	0	0	0	-	-	-	0	1084
JCC	JOHN TYLER HWY	CHARLES CITY CL	MONTICELLO AVE		0	0	0	0	0	0	-	-	-	0	1084
JCC	JOHN TYLER HWY	MONTICELLO AVE	CENTERVILLE RD (RTE 614)		0	0	0	0	0	0	-	-	-	0	1084
JCC	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)	IRONBOUND RD (RTE 615)		0	0	0	0	0	0	-	-	-	0	1084
JCC	JOHN TYLER HWY	IRONBOUND RD (RTE 615)	STANLEY DR (RTE 712)		0	0	0	0	0	0	-	-	-	0	1084
JCC	JOHN TYLER HWY	STANLEY DR (RTE 712)	ROUTE 199		0	0	0	0	0	0	-	-	-	0	1084
JCC	LONGHILL RD	CENTERVILLE RD (RTE 614)	OLDE TOWNE RD (RTE 658)		-	-	-	-	-	-	3	3	3	3	815
JCC	LONGHILL RD	OLDE TOWNE RD (RTE 658)	ROUTE 199		-	-	-	-	-	-	4	8	8	8	621
JCC	LONGHILL RD	ROUTE 199	DEPUE DR		1	5	5	2	11	11	-	-	-	11	521
JCC	MERRIMAC TRL	NEWPORT NEWS CL @ I-64	YORK CL (SOUTH OF GROVE INT)		19	19	19	18	18	18	-	-	-	19	319
JCC	MERRIMAC TRL	YORK CL @ ROUTE 199	PENNIMAN RD (YORK CL)		0	0	0	0	0	0	-	-	-	0	1084
JCC	MONTICELLO AVE	JOHN TYLER HWY	CENTERVILLE RD (RTE 614)		-	-	-	-	-	-	0	0	0	0	1084
JCC	MONTICELLO AVE	CENTERVILLE RD (RTE 614)	NEWS RD		-	-	-	-	-	-	0	5	5	5	719

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
JCC	MONTICELLO AVE	NEWS RD	ROUTE 199		7	12	12	5	9	9	-	-	-	12	491
JCC	MONTICELLO AVE	ROUTE 199	IRONBOUND RD (RTE 615)		9	11	11	9	15	15	-	-	-	15	390
JCC	OLD STAGE RD	NEW KENT CL	BARNES RD (RTE 601 S)		4	4	4	5	5	5	-	-	-	5	719
JCC	OLD STAGE RD	BARNES RD (RTE 601 S)	I-64		3	3	3	3	3	3	-	-	-	3	815
JCC	OLDE TOWNE RD	LONGHILL RD	RICHMOND RD		-	-	-	-	-	-	3	3	3	3	815
JCC	POCAHONTAS TRL	WILLIAMSBURG CL	YORK CL @ 199		0	0	0	1	1	1	-	-	-	1	949
JCC	POCAHONTAS TRL	YORK CL	BASF RD/ROUTE 60 RELOCATION		9	9	9	9	9	9	-	-	-	9	590
JCC	POCAHONTAS TRL	BASF RD/ROUTE 60 RELOCATION	NEWPORT NEWS CL		1	1	1	1	1	1	-	-	-	1	949
JCC	RICHMOND RD	ROUTE 199	OLDE TOWNE RD (RTE 658)		0	0	0	1	1	1	-	-	-	1	949
JCC	RICHMOND RD	OLDE TOWNE RD (RTE 658)	WILLIAMSBURG CL		6	8	8	6	8	8	-	-	-	8	621
JCC	ROCHAMBEAU DR	ROUTE 60	0.7 MI EAST OF ASHINGTON WAY		2	2	2	0	0	0	-	-	-	2	869
JCC	ROCHAMBEAU DR	0.7 MI EAST OF ASHINGTON WAY	CROAKER RD (RTE 607)		2	2	2	0	0	0	-	-	-	2	869
JCC	ROUTE 199	YORK CL	RICHMOND RD (RTE 60)	EB	8	8	8	-	-	-	-	-	-	8	250
				WB	-	-	-	8	8	8	-	-	-	8	250
JCC	ROUTE 199	RICHMOND RD (RTE 60)	LONGHILL RD (RTE 612)	EB	8	8	8	-	-	-	-	-	-	8	250
				WB	-	-	-	8	8	8	-	-	-	8	250
JCC	ROUTE 199	LONGHILL RD (RTE 612)	MONTICELLO AVE (RTE 321)	EB	8	8	8	-	-	-	-	-	-	8	250
				WB	-	-	-	8	8	8	-	-	-	8	250
JCC	ROUTE 199	MONTICELLO AVE (RTE 321)	JOHN TYLER HWY (RTE 5)	EB	8	8	8	-	-	-	-	-	-	8	250
				WB	-	-	-	8	8	8	-	-	-	8	250
JCC	ROUTE 199	JOHN TYLER HWY (RTE 5)	WILLIAMSBURG CL		30	68	68	13	24	24	-	-	-	68	16
JCC	ROUTE 199	WILLIAMSBURG CL	HENRY ST/COLONIAL PKWY		9	11	11	9	18	18	-	-	-	18	335
JCC	ROUTE 199	HENRY ST/COLONIAL PKWY	MOUNTS BAY RD/QUARTERPATH RD		11	13	13	11	21	21	-	-	-	21	302
JCC	ROUTE 199	MOUNTS BAY RD/QUARTERPATH RD	RTE 60/RTE 143/YORK CL		11	11	11	13	35	35	-	-	-	35	160
JCC	ROUTE 60	NEW KENT CL	ROUTE 30		0	0	0	0	0	0	-	-	-	0	1084
JCC	ROUTE 60	ROUTE 30	CROAKER RD (RTE 607)		0	0	0	0	0	0	-	-	-	0	1084
JCC	ROUTE 60	CROAKER RD (RTE 607)	LIGHTFOOT RD (RTE 646)		0	0	0	0	2	2	-	-	-	2	869
JCC	ROUTE 60	LIGHTFOOT RD (RTE 646)	CENTERVILLE RD (RTE 614)		0	0	0	0	2	2	-	-	-	2	869
JCC	ROUTE 60	CENTERVILLE RD (RTE 614)	ROUTE 199		5	23	23	47	60	60	-	-	-	60	42
JCC	STRAWBERRY PLAINS RD	JOHN TYLER HWY/ROUTE 199	IRONBOUND RD		-	-	-	-	-	-	0	0	0	0	1084
NN	23RD/25TH CONNECTOR	HUNTINGTON AVE	JEFFERSON AVE		15	26	26	-	-	-	-	-	-	26	237
NN	25TH ST	HUNTINGTON AVE	WARWICK BLVD		22	22	22	-	-	-	-	-	-	22	285
NN	25TH ST	JEFFERSON AVE	26TH ST		3	3	3	-	-	-	-	-	-	3	815
NN	25TH ST	26TH ST	HAMPTON CL		0	0	0	1	1	1	-	-	-	1	949
NN	26TH ST	25TH ST	ROANOKE AVE		-	-	-	0	0	0	-	-	-	0	1084
NN	26TH ST	ROANOKE AVE	JEFFERSON AVE		-	-	-	3	3	3	-	-	-	3	815
NN	26TH ST	JEFFERSON AVE	WARWICK BLVD		-	-	-	33	53	53	-	-	-	53	66
NN	26TH ST	WARWICK BLVD	HUNTINGTON AVE		-	-	-	33	53	53	-	-	-	53	66
NN	39TH ST	HUNTINGTON AVE	MADISON AVE		1	1	1	1	1	1	-	-	-	1	949
NN	39TH ST	MADISON AVE	HAMPTON CL		1	1	1	1	1	1	-	-	-	1	949
NN	BLAND BLVD	WARWICK BLVD	I-64		11	15	15	11	17	17	-	-	-	17	353
NN	BLAND BLVD	I-64	JEFFERSON AVE		5	9	9	5	11	11	-	-	-	11	521
NN	BLAND BLVD	JEFFERSON AVE	McMANUS BLVD		9	9	9	36	32	36	-	-	-	36	155
NN	BRIARFIELD RD	JEFFERSON AVE	HAMPTON CL		1	1	1	0	0	0	-	-	-	1	949
NN	BUXTON AVE	HAMPTON CL	25TH ST		1	1	1	2	2	2	-	-	-	2	869
NN	CENTER AVE	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	-	-	0	0	0	0	1084
NN	CHESTNUT AVE	39TH ST	44TH ST		1	1	1	2	2	2	-	-	-	2	869
NN	CHESTNUT AVE	44TH ST	BRIARFIELD RD		1	1	1	2	2	2	-	-	-	2	869
NN	CHESTNUT AVE	BRIARFIELD RD	HAMPTON CL		1	1	1	0	0	0	-	-	-	1	949
NN	CITY CENTER BLVD	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	-	-	0	0	0	0	1084
NN	DENBIGH BLVD	LUCAS CREEK RD	WARWICK BLVD		2	14	14	1	1	1	-	-	-	14	436
NN	DENBIGH BLVD	WARWICK BLVD	JEFFERSON AVE		0	2	2	1	5	5	-	-	-	5	719
NN	DENBIGH BLVD	JEFFERSON AVE	YORK CL		0	2	2	0	0	0	-	-	-	2	869
NN	DILIGENCE DR	THIMBLE SHOALS BLVD	J CLYDE MORRIS BLVD		-	-	-	-	-	-	8	8	8	8	621
NN	FORT EUSTIS BLVD	WARWICK BLVD	I-64		15	15	15	15	15	15	-	-	-	15	390
NN	FORT EUSTIS BLVD	I-64	JEFFERSON AVE		17	27	27	19	20	20	-	-	-	27	227

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
NN	FORT EUSTIS BLVD	JEFFERSON AVE	.54 MILES EAST OF RTE 143		13	13	13	13	13	13	-	-	-	13	467
NN	FORT EUSTIS BLVD	.54 MILES EAST OF RTE 143	YORK CL		9	9	9	9	9	9	-	-	-	9	590
NN	HRC PARKWAY	HARPERSVILLE RD	HAMPTON CL		8	10	10	8	8	8	-	-	-	10	552
NN	HARPERSVILLE RD	J CLYDE MORRIS BLVD	SAUNDERS RD		2	4	4	0	0	0	-	-	-	4	765
NN	HARPERSVILLE RD	SAUNDERS RD	HRC PARKWAY		0	0	0	0	0	0	-	-	-	0	1084
NN	HARPERSVILLE RD	HRC PARKWAY	JEFFERSON AVE		13	15	15	23	33	33	-	-	-	33	179
NN	HARPERSVILLE RD	JEFFERSON AVE	WARWICK BLVD		-	-	-	-	-	-	0	2	2	2	869
NN	HUNTINGTON AVE	71ST ST	39TH ST		-	-	-	11	22	22	-	-	-	22	285
NN	HUNTINGTON AVE	39TH ST	26TH ST		-	-	-	14	22	22	-	-	-	22	285
NN	HUNTINGTON AVE	26TH ST	23RD ST		-	-	-	-	-	-	10	10	10	10	552
NN	I-64	JAMES CITY CL	RTE 143 (NORTH)	EB	26	26	26	-	-	-	-	-	-	26	69
				WB	-	-	-	26	28	28	-	-	-	28	65
NN	I-64	RTE 143 (NORTH)	YORKTOWN RD	EB	14	16	16	-	-	-	-	-	-	16	98
				WB	-	-	-	16	25	25	-	-	-	25	72
NN	I-64	YORKTOWN RD	FORT EUSTIS BLVD	EB	22	22	22	-	-	-	-	-	-	22	78
				WB	-	-	-	33	60	60	-	-	-	60	28
NN	I-64	FORT EUSTIS BLVD	JEFFERSON AVE	EB	23	23	23	-	-	-	-	-	-	23	77
				WB	-	-	-	13	13	13	-	-	-	13	161
NN	I-64	JEFFERSON AVE	OYSTER POINT RD	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
NN	I-64	OYSTER POINT RD	J C MORRIS BLVD	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
NN	I-64	J C MORRIS BLVD	HAMPTON CL	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
NN	I-664/MMMBT	SUFFOLK CL	TERMINAL AVE	SB	13	15	15	-	-	-	-	-	-	15	105
				NB	-	-	-	31	31	31	-	-	-	31	59
NN	I-664	TERMINAL AVE	23RD ST	SB	29	79	79	-	-	-	-	-	-	79	11
				NB	-	-	-	14	14	14	-	-	-	14	147
NN	I-664	23RD ST	CHESTNUT AVE	SB	30	80	80	-	-	-	-	-	-	80	8
				NB	-	-	-	14	14	14	-	-	-	14	147
NN	I-664	CHESTNUT AVE	HAMPTON CL	SB	14	14	14	-	-	-	-	-	-	14	147
				NB	-	-	-	14	20	20	-	-	-	20	85
NN	J CLYDE MORRIS BLVD	WARWICK BLVD	JEFFERSON AVE		-	-	-	-	-	-	7	6	7	7	671
NN	J CLYDE MORRIS BLVD	JEFFERSON AVE	THIMBLE SHOALS BLVD		17	21	21	21	43	43	-	-	-	43	114
NN	J CLYDE MORRIS BLVD	THIMBLE SHOALS BLVD	I-64		19	23	23	23	45	45	-	-	-	45	102
NN	J CLYDE MORRIS BLVD	I-64	HARPERSVILLE RD		16	60	60	15	15	15	-	-	-	60	42
NN	J CLYDE MORRIS BLVD	HARPERSVILLE RD	YORK CL		10	45	45	11	13	13	-	-	-	45	102
NN	JEFFERSON AVE	JAMES CITY CL	YORKTOWN RD		14	14	14	13	17	17	-	-	-	17	353
NN	JEFFERSON AVE	YORKTOWN RD	FORT EUSTIS BLVD		12	12	12	14	16	16	-	-	-	16	368
NN	JEFFERSON AVE	FORT EUSTIS BLVD	FUTURE ATKINSON BLVD		24	26	26	23	27	27	-	-	-	27	227
NN	JEFFERSON AVE	FUTURE ATKINSON BLVD	DENBIGH BLVD		20	22	22	19	21	21	-	-	-	22	285
NN	JEFFERSON AVE	DENBIGH BLVD	BLAND BLVD		24	33	33	22	28	28	-	-	-	33	179
NN	JEFFERSON AVE	BLAND BLVD	I-64		22	32	32	22	31	31	-	-	-	32	186
NN	JEFFERSON AVE	I-64	OYSTER POINT RD		20	26	26	20	27	27	-	-	-	27	227
NN	JEFFERSON AVE	OYSTER POINT RD	MUELLER LA		20	32	32	20	24	24	-	-	-	32	186
NN	JEFFERSON AVE	MUELLER LA	CITY CENTER BLVD		18	30	30	18	22	22	-	-	-	30	205
NN	JEFFERSON AVE	CITY CENTER BLVD	J CLYDE MORRIS BLVD		22	33	33	22	26	26	-	-	-	33	179
NN	JEFFERSON AVE	J CLYDE MORRIS BLVD	HARPERSVILLE RD		22	29	29	20	24	24	-	-	-	29	213
NN	JEFFERSON AVE	HARPERSVILLE RD	MAIN ST		21	25	25	20	22	22	-	-	-	25	244
NN	JEFFERSON AVE	MAIN ST	CENTER AVE		18	20	20	20	30	30	-	-	-	30	205
NN	JEFFERSON AVE	CENTER AVE	MERCURY BLVD		22	50	50	20	24	24	-	-	-	50	80
NN	JEFFERSON AVE	MERCURY BLVD	BRIARFIELD RD		22	34	34	18	18	18	-	-	-	34	168
NN	JEFFERSON AVE	BRIARFIELD RD	41ST ST		10	10	10	10	10	10	-	-	-	10	552
NN	JEFFERSON AVE	41ST ST	35TH ST		11	11	11	11	24	24	-	-	-	24	254
NN	JEFFERSON AVE	35TH ST	25TH ST		5	9	9	16	58	58	-	-	-	58	47
NN	MAIN ST	WARWICK BLVD	JEFFERSON AVE		3	5	5	2	4	4	-	-	-	5	719

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
NN	MAIN ST	JEFFERSON AVE	HAMPTON CL		0	0	0	0	0	0	-	-	-	0	1084
NN	MCMANUS BLVD/SIEMENS WAY	DENBIGH BLVD	BLAND BLVD		-	-	-	-	-	-	2	29	29	29	213
NN	MERCURY BLVD/JAMES RIVER BR	ISLE OF WIGHT CL	RIVER RD		14	14	14	18	35	35	-	-	-	35	160
NN	MERCURY BLVD	RIVER RD	WARWICK BLVD		14	14	14	18	35	35	-	-	-	35	160
NN	MERCURY BLVD	WARWICK BLVD	JEFFERSON AVE		11	13	13	15	33	33	-	-	-	33	179
NN	MERCURY BLVD	JEFFERSON AVE	HAMPTON CL		16	20	20	20	27	27	-	-	-	27	227
NN	OYSTER POINT RD	WARWICK BLVD	JEFFERSON AVE		13	15	15	11	25	25	-	-	-	25	244
NN	OYSTER POINT RD	JEFFERSON AVE	CANON BLVD		18	28	28	18	56	56	-	-	-	56	53
NN	OYSTER POINT RD	CANON BLVD	I-64		2	2	2	38	62	62	-	-	-	62	34
NN	RICHNECK RD	DENBIGH BLVD	JEFFERSON AVE		-	-	-	-	-	-	0	0	0	0	1084
NN	RICHNECK RD	JEFFERSON AVE	OLD YORK CL		-	-	-	-	-	-	0	0	0	0	1084
NN	RICHNECK RD	OLD YORK CL	FORT EUSTIS BLVD		-	-	-	-	-	-	0	0	0	0	1084
NN	ROANOKE AVE	I-664	43RD ST		2	2	2	1	1	1	-	-	-	2	869
NN	ROANOKE AVE	43RD ST	BRIARFIELD RD		2	2	2	1	1	1	-	-	-	2	869
NN	ROANOKE AVE	BRIARFIELD RD	HAMPTON CL		3	3	3	2	2	2	-	-	-	3	815
NN	SAUNDERS RD	HARPERSVILLE RD	HAMPTON CL		0	0	0	0	0	0	-	-	-	0	1084
NN	SHELLABARGER DR	FORT EUSTIS	WARWICK BLVD		-	-	-	-	-	-	13	13	13	13	467
NN	THIMBLE SHOALS BLVD	JEFFERSON AVE	DILIGENCE DR		-	-	-	-	-	-	0	0	0	0	1084
NN	THIMBLE SHOALS BLVD	DILIGENCE DR	J CLYDE MORRIS BLVD		-	-	-	-	-	-	0	0	0	0	1084
NN	VICTORY BLVD	I-64	YORK CL		6	41	41	1	3	3	-	-	-	41	129
NN	WARWICK BLVD	JAMES CITY CL	YORKTOWN RD		2	2	2	2	2	2	-	-	-	2	869
NN	WARWICK BLVD	YORKTOWN RD	FORT EUSTIS BLVD		6	8	8	5	10	10	-	-	-	10	552
NN	WARWICK BLVD	FORT EUSTIS BLVD	SNIDOW BLVD		20	24	24	20	24	24	-	-	-	24	254
NN	WARWICK BLVD	SNIDOW BLVD	DENBIGH BLVD		20	25	25	20	26	26	-	-	-	26	237
NN	WARWICK BLVD	DENBIGH BLVD	BLAND BLVD		20	28	28	21	56	56	-	-	-	56	53
NN	WARWICK BLVD	BLAND BLVD	OYSTER POINT RD		19	37	37	18	28	28	-	-	-	37	149
NN	WARWICK BLVD	OYSTER POINT RD	MAXWELL LN		12	16	16	11	15	15	-	-	-	16	368
NN	WARWICK BLVD	MAXWELL LN	DEEP CREEK RD		10	14	14	9	13	13	-	-	-	14	436
NN	WARWICK BLVD	DEEP CREEK RD	J CLYDE MORRIS BLVD		14	18	18	13	17	17	-	-	-	18	335
NN	WARWICK BLVD	J CLYDE MORRIS BLVD	HARPERSVILLE RD		8	10	10	8	10	10	-	-	-	10	552
NN	WARWICK BLVD	HARPERSVILLE RD	MAIN ST		16	16	16	16	20	20	-	-	-	20	307
NN	WARWICK BLVD	MAIN ST	CENTER AVE		17	19	19	16	16	16	-	-	-	19	319
NN	WARWICK BLVD	CENTER AVE	MERCURY BLVD		13	15	15	12	12	12	-	-	-	15	390
NN	WARWICK BLVD	MERCURY BLVD	HUNTINGTON AVE		24	44	44	19	34	34	-	-	-	44	111
NN	WARWICK BLVD	23RD ST	39TH ST		11	11	11	-	-	-	-	-	-	11	521
NN	WARWICK BLVD	39TH ST	HUNTINGTON AVE		12	34	34	-	-	-	-	-	-	34	168
NN	YORKTOWN RD	WARWICK BLVD	I-64		0	0	0	2	2	2	-	-	-	2	869
NN	YORKTOWN RD	I-64	JEFFERSON AVE		41	32	41	20	23	23	-	-	-	41	129
NN	YORKTOWN RD	JEFFERSON AVE	CRAWFORD RD		8	8	8	8	8	8	-	-	-	8	621
NN	YORKTOWN RD	CRAWFORD RD	YORK CL		8	8	8	8	8	8	-	-	-	8	621
NOR	21ST ST	HAMPTON BLVD	COLLEY AVE		1	3	3	2	2	2	-	-	-	3	815
NOR	21ST ST	COLLEY AVE	LLEWELLYN ST		1	5	5	1	5	5	-	-	-	5	719
NOR	21ST ST	LLEWELLYN ST	MONTICELLO AVE		1	3	3	2	2	2	-	-	-	3	815
NOR	26TH ST	HAMPTON BLVD	COLLEY AVE		2	2	2	-	-	-	-	-	-	2	869
NOR	26TH ST	COLLEY AVE	LLEWELLYN AVE		0	0	0	-	-	-	-	-	-	0	1084
NOR	26TH ST	LLEWELLYN AVE	MONTICELLO AVE		4	4	4	-	-	-	-	-	-	4	765
NOR	26TH ST	MONTICELLO AVE	CHURCH ST		23	18	23	-	-	-	-	-	-	23	267
NOR	26TH ST	CHURCH ST	27TH ST		1	3	3	-	-	-	-	-	-	3	815
NOR	27TH ST	HAMPTON BLVD	COLLEY AVE		-	-	-	5	4	5	-	-	-	5	719
NOR	27TH ST	COLLEY AVE	LLEWELLYN AVE		-	-	-	0	2	2	-	-	-	2	869
NOR	27TH ST	LLEWELLYN AVE	MONTICELLO AVE		-	-	-	0	2	2	-	-	-	2	869
NOR	27TH ST	MONTICELLO AVE	CHURCH ST		-	-	-	24	38	38	-	-	-	38	141
NOR	27TH ST	CHURCH ST	26TH ST		-	-	-	0	0	0	-	-	-	0	1084
NOR	38TH ST	HAMPTON BLVD	COLLEY AVE		2	2	2	2	2	2	-	-	-	2	869
NOR	38TH ST	COLLEY AVE	LLEWELLYN AVE		1	1	1	0	0	0	-	-	-	1	949
NOR	38TH ST	LLEWELLYN AVE	GRANBY ST		1	1	1	0	0	0	-	-	-	1	949

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
NOR	4TH VIEW ST	I-64	OCEAN VIEW AVE		22	14	22	31	68	68	-	-	-	68	16
NOR	ADMIRAL TAUSSIG BLVD	HAMPTON BLVD	I-564		15	19	19	42	30	42	-	-	-	42	120
NOR	AZALEA GARDEN RD	VA BEACH BLVD	PRINCESS ANNE RD		1	1	1	1	1	1	-	-	-	1	949
NOR	AZALEA GARDEN RD	PRINCESS ANNE RD	SEWELLS POINT RD		1	1	1	2	2	2	-	-	-	2	869
NOR	AZALEA GARDEN RD	SEWELLS POINT RD	ROBIN HOOD RD		0	0	0	1	1	1	-	-	-	1	949
NOR	AZALEA GARDEN RD	ROBIN HOOD RD	I-64		2	2	2	1	1	1	-	-	-	2	869
NOR	AZALEA GARDEN RD	I-64	MILITARY HWY		2	2	2	1	1	1	-	-	-	2	869
NOR	AZALEA GARDEN RD	MILITARY HWY	NORVIEW AVE		1	1	1	3	5	5	-	-	-	5	719
NOR	AZALEA GARDEN RD	NORVIEW AVE	LITTLE CREEK RD		0	0	0	0	0	0	-	-	-	0	1084
NOR	BAINBRIDGE BLVD	CHESAPEAKE CL	S MAIN ST		-	-	-	-	-	-	1	0	1	1	949
NOR	BALLENTINE BLVD	I-264	VA BEACH BLVD		10	13	13	12	28	28	-	-	-	28	220
NOR	BALLENTINE BLVD	VA BEACH BLVD	PRINCESS ANNE RD		4	16	16	3	13	13	-	-	-	16	368
NOR	BALLENTINE BLVD	PRINCESS ANNE RD	CHESAPEAKE BLVD		0	0	0	0	0	0	-	-	-	0	1084
NOR	BAY AVE	FIRST VIEW ST	I-64		-	-	-	-	-	-	8	10	10	10	552
NOR	BAY AVE/OCEAN AVE	I-64	GRANBY ST		-	-	-	-	-	-	0	0	0	0	1084
NOR	BAYVIEW BLVD	GRANBY ST	TIDEWATER DR		2	4	4	4	2	4	-	-	-	4	765
NOR	BAYVIEW BLVD	TIDEWATER DR	CHESAPEAKE BLVD		2	4	4	4	2	4	-	-	-	4	765
NOR	BAYVIEW BLVD	CHESAPEAKE BLVD	CAPE VIEW AVE		1	1	1	0	0	0	-	-	-	1	949
NOR	BERKLEY AVE	I-464	STATE ST		17	17	17	46	19	46	-	-	-	46	100
NOR	BERKLEY AVE	STATE ST	MAIN ST		15	17	17	47	23	47	-	-	-	47	95
NOR	BERKLEY AVE	MAIN ST	BERKLEY AVE EXT		0	0	0	0	0	0	-	-	-	0	1084
NOR	BERKLEY AVE	BERKLEY AVE EXT	INDIAN RIVER RD		0	0	0	0	0	0	-	-	-	0	1084
NOR	BERKLEY AVE EXT	BERKLEY AVE/FAUQUIER ST	WILSON RD		-	-	-	-	-	-	0	0	0	0	1084
NOR	BERKLEY AVE EXT	WILSON RD	CAMPOSTELLA RD		-	-	-	-	-	-	0	0	0	0	1084
NOR	BOUSH ST/WATERSIDE DR	ST PAULS BLVD	CITY HALL AVE		9	14	14	9	13	13	-	-	-	14	436
NOR	BOUSH ST	CITY HALL AVE	BUTE STREET		9	14	14	9	9	9	-	-	-	14	436
NOR	BOUSH ST	BUTE STREET	BRAMBLETON AVE		9	14	14	9	9	9	-	-	-	14	436
NOR	BOUSH ST	BRAMBLETON AVE	OLNEY RD		11	13	13	12	14	14	-	-	-	14	436
NOR	BOUSH ST	OLNEY RD	VA BEACH BLVD		11	13	13	12	14	14	-	-	-	14	436
NOR	BRAMBLETON AVE	HAMPTON BLVD	COLLEY AVE		24	22	24	15	17	17	-	-	-	24	254
NOR	BRAMBLETON AVE	COLLEY AVE	BOUSH ST		19	23	23	16	21	21	-	-	-	23	267
NOR	BRAMBLETON AVE	BOUSH ST	MONTICELLO AVE		25	20	25	23	53	53	-	-	-	53	66
NOR	BRAMBLETON AVE	MONTICELLO AVE	ST PAULS BLVD		27	22	27	25	55	55	-	-	-	55	60
NOR	BRAMBLETON AVE	ST PAULS BLVD	CHURCH ST		23	40	40	17	16	17	-	-	-	40	133
NOR	BRAMBLETON AVE	CHURCH ST	TIDEWATER DR		25	44	44	19	18	19	-	-	-	44	111
NOR	BRAMBLETON AVE	TIDEWATER DR	PARK AVE		20	24	24	45	67	67	-	-	-	67	20
NOR	BRAMBLETON AVE	PARK AVE	I-264		21	25	25	43	63	63	-	-	-	63	29
NOR	CAMPOSTELLA RD	SCL NORFOLK/BERKLEY AVE EXT	INDIAN RIVER RD		4	2	4	2	2	2	-	-	-	4	765
NOR	CAMPOSTELLA RD	INDIAN RIVER RD	WILSON RD		9	6	9	30	65	65	-	-	-	65	25
NOR	CAMPOSTELLA RD	WILSON RD	S. END CAMPOSTELLA BRIDGE		10	10	10	12	34	34	-	-	-	34	168
NOR	CAMPOSTELLA RD	S. END CAMPOSTELLA BRIDGE	KIMBALL TERR		30	32	32	5	7	7	-	-	-	32	186
NOR	CAMPOSTELLA RD	KIMBALL TERR	I-264		30	32	32	5	7	7	-	-	-	32	186
NOR	CAPE VIEW AVE	BAYVIEW BLVD	OCEAN VIEW AVE		-	-	-	-	-	-	0	0	0	0	1084
NOR	CHESAPEAKE BLVD	LAFAYETTE BLVD	CROMWELL DR		39	55	55	18	37	37	-	-	-	55	60
NOR	CHESAPEAKE BLVD	CROMWELL DR	ROBIN HOOD RD		0	2	2	0	0	0	-	-	-	2	869
NOR	CHESAPEAKE BLVD	ROBIN HOOD RD	HYDE CIR		2	4	4	2	2	2	-	-	-	4	765
NOR	CHESAPEAKE BLVD	HYDE CIR	NORVIEW AVE		0	2	2	0	0	0	-	-	-	2	869
NOR	CHESAPEAKE BLVD	NORVIEW AVE	I-64		3	3	3	6	6	6	-	-	-	6	690
NOR	CHESAPEAKE BLVD	I-64	JOHNSTONS RD		5	45	45	0	0	0	-	-	-	45	102
NOR	CHESAPEAKE BLVD	JOHNSTONS RD	LITTLE CREEK RD		7	47	47	2	2	2	-	-	-	47	95
NOR	CHESAPEAKE BLVD	LITTLE CREEK RD	SHEPPARD AVE		0	2	2	0	2	2	-	-	-	2	869
NOR	CHESAPEAKE BLVD	SHEPPARD AVE	BAYVIEW BLVD		0	2	2	0	2	2	-	-	-	2	869
NOR	CHESAPEAKE BLVD	BAYVIEW BLVD	CHESAPEAKE ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	CHESAPEAKE BLVD	CHESAPEAKE ST	OCEAN VIEW AVE		0	0	0	0	0	0	-	-	-	0	1084
NOR	CHURCH ST	BRAMBLETON AVE	VA BEACH BLVD		16	44	44	21	63	63	-	-	-	63	29
NOR	CHURCH ST	VA BEACH BLVD	PRINCESS ANNE RD		0	0	0	1	3	3	-	-	-	3	815

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
NOR	CHURCH ST	PRINCESS ANNE RD	26TH ST		1	1	1	2	4	4	-	-	-	4	765
NOR	CHURCH ST	26TH ST	27TH ST		24	23	24	12	28	28	-	-	-	28	220
NOR	CHURCH ST	27TH ST	MONTICELLO AVE		2	4	4	2	4	4	-	-	-	4	765
NOR	CHURCH ST	MONTICELLO AVE	GRANBY ST		2	6	6	1	3	3	-	-	-	6	690
NOR	CITY HALL AVE	BOUSH ST	GRANBY ST		1	5	5	1	5	5	-	-	-	5	719
NOR	CITY HALL AVE	GRANBY ST	MONTICELLO AVE		1	5	5	1	5	5	-	-	-	5	719
NOR	CITY HALL AVE	MONTICELLO AVE	ST PAULS BLVD		1	5	5	1	5	5	-	-	-	5	719
NOR	COLLEY AVE	BRAMBLETON AVE	OLNEY RD		3	1	3	2	6	6	-	-	-	6	690
NOR	COLLEY AVE	OLNEY RD	PRINCESS ANNE RD		1	1	1	2	4	4	-	-	-	4	765
NOR	COLLEY AVE	PRINCESS ANNE RD	21ST ST		1	10	10	1	5	5	-	-	-	10	552
NOR	COLLEY AVE	21ST ST	26TH ST		1	10	10	3	12	12	-	-	-	12	491
NOR	COLLEY AVE	26TH ST	27TH ST		13	22	22	23	50	50	-	-	-	50	80
NOR	COLLEY AVE	27TH ST	38TH ST		0	0	0	0	2	2	-	-	-	2	869
NOR	COLLEY AVE	38TH ST	53RD ST		0	0	0	0	2	2	-	-	-	2	869
NOR	CROMWELL DR	TAIT TERRACE DR	CHESAPEAKE BLVD		3	5	5	2	2	2	-	-	-	5	719
NOR	CROMWELL DR	CHESAPEAKE BLVD	TIDEWATER DR		1	1	1	0	0	0	-	-	-	1	949
NOR	DUKE ST	OLNEY RD	BRAMBLETON AVE		3	3	3	2	2	2	-	-	-	3	815
NOR	GRANBY ST	CHURCH ST	38TH ST		1	5	5	0	2	2	-	-	-	5	719
NOR	GRANBY ST	38TH ST	LLEWELLYN AVE		1	5	5	0	2	2	-	-	-	5	719
NOR	GRANBY ST	LLEWELLYN AVE	WILLOW WOOD DRIVE		1	5	5	0	4	4	-	-	-	5	719
NOR	GRANBY ST	WILLOW WOOD DRIVE	THOLE ST		0	0	0	0	2	2	-	-	-	2	869
NOR	GRANBY ST	THOLE ST	LITTLE CREEK RD		3	12	12	3	5	5	-	-	-	12	491
NOR	GRANBY ST	LITTLE CREEK RD	I-564		9	20	20	11	13	13	-	-	-	20	307
NOR	GRANBY ST	I-564	I-64		12	14	14	15	17	17	-	-	-	17	353
NOR	GRANBY ST	I-64	BAYVIEW BLVD		12	14	14	18	11	18	-	-	-	18	335
NOR	GRANBY ST	BAYVIEW BLVD	BAY AVE		0	2	2	0	0	0	-	-	-	2	869
NOR	GRANBY ST	BAY AVE	TIDEWATER DR		6	8	8	6	6	6	-	-	-	8	621
NOR	GRANBY ST	TIDEWATER DR	OCEAN VIEW AVE		2	2	2	0	0	0	-	-	-	2	869
NOR	HAMPTON BLVD	BRAMBLETON AVE	PRINCESS ANNE RD		37	25	37	25	67	67	-	-	-	67	20
NOR	HAMPTON BLVD	PRINCESS ANNE RD	21ST ST		41	29	41	29	71	71	-	-	-	71	9
NOR	HAMPTON BLVD	21ST ST	26TH ST		18	17	18	17	62	62	-	-	-	62	34
NOR	HAMPTON BLVD	26TH ST	27TH ST		14	14	14	16	60	60	-	-	-	60	42
NOR	HAMPTON BLVD	27TH ST	38TH ST		13	13	13	18	30	30	-	-	-	30	205
NOR	HAMPTON BLVD	38TH ST	JAMESTOWN CRESCENT		20	22	22	25	37	37	-	-	-	37	149
NOR	HAMPTON BLVD	JAMESTOWN CRESCENT	LITTLE CREEK RD		17	16	17	13	13	13	-	-	-	17	353
NOR	HAMPTON BLVD	LITTLE CREEK RD	INTERNATIONAL TERMINAL BLVD		16	15	16	12	12	12	-	-	-	16	368
NOR	HAMPTON BLVD	INTERNATIONAL TERMINAL BLVD	INTERMODAL CONNECTOR		34	21	34	19	19	19	-	-	-	34	168
NOR	HAMPTON BLVD	INTERMODAL CONNECTOR	ADM TAUSSIG BLVD		32	19	32	17	17	17	-	-	-	32	186
NOR	I-64/HRBT	HAMPTON CL	OCEAN VIEW AVE	EB	40	49	49	-	-	-	-	-	-	49	38
				WB	-	-	-	22	48	48	-	-	-	48	41
NOR	I-64	OCEAN VIEW AVE	4TH VIEW AVE	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	57	89	89	-	-	-	89	4
NOR	I-64	4TH VIEW AVE	BAY AVE	EB	12	19	19	-	-	-	-	-	-	19	88
				WB	-	-	-	47	80	80	-	-	-	80	8
NOR	I-64	BAY AVE	GRANBY ST	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	39	80	80	-	-	-	80	8
NOR	I-64	GRANBY ST	I-564/LITTLE CREEK RD	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	33	79	79	-	-	-	79	11
NOR	I-64	I-564/LITTLE CREEK RD	TIDEWATER DR	REV	-	10	10	10	-	10	-	-	-	10	227
				EB	17	57	57	-	-	-	-	-	-	57	29
				WB	-	-	-	17	21	21	-	-	-	21	82
NOR	I-64	TIDEWATER DR	CHESAPEAKE BLVD	REV	-	10	10	10	-	10	-	-	-	10	227
				EB	26	57	57	-	-	-	-	-	-	57	29
				WB	-	-	-	29	15	29	-	-	-	29	62
NOR	I-64	CHESAPEAKE BLVD	NORVIEW AVE	REV	-	10	10	10	-	10	-	-	-	10	227
				EB	39	56	56	-	-	-	-	-	-	56	31
				WB	-	-	-	27	13	27	-	-	-	27	68

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
NOR	I-64	NORVIEW AVE	MILITARY HWY	REV	-	10	10	10	-	10	-	-	-	10	227
				EB	18	39	39	-	-	-	-	-	-	39	50
				WB	-	-	-	16	16	16	-	-	-	16	98
NOR	I-64	MILITARY HWY	NORTHAMPTON BLVD	REV	-	10	10	10	-	10	-	-	-	10	227
				EB	15	43	43	-	-	-	-	-	-	43	45
				WB	-	-	-	15	13	15	-	-	-	15	105
NOR	I-64	NORTHAMPTON BLVD	I-264	REV	-	10	10	10	-	10	-	-	-	10	227
				EB	33	53	53	-	-	-	-	-	-	53	34
				WB	-	-	-	16	16	16	-	-	-	16	98
NOR	I-64	I-264	VA BEACH CL	EB	15	17	17	-	-	-	-	-	-	17	91
				WB	-	-	-	57	86	86	-	-	-	86	5
NOR	I-264/DOWNTOWN TUNNEL	PORTSMOUTH CL	I-464	EB	65	71	71	-	-	-	-	-	-	71	20
				WB	-	-	-	25	54	54	-	-	-	54	32
NOR	I-264/BERKLEY BRIDGE	I-464	WATERSIDE/CITY HALL/TIDEWATER	EB	25	31	31	-	-	-	-	-	-	31	59
				WB	-	-	-	44	84	84	-	-	-	84	7
NOR	I-264	WATERSIDE/CITY HALL/TIDEWATER	BRAMBLETON AVE	EB	11	11	11	-	-	-	-	-	-	11	213
				WB	-	-	-	28	74	74	-	-	-	74	16
NOR	I-264	BRAMBLETON AVE	BALLENTINE BLVD	EB	11	17	17	-	-	-	-	-	-	17	91
				WB	-	-	-	15	35	35	-	-	-	35	54
NOR	I-264	BALLENTINE BLVD	MILITARY HWY	EB	12	24	24	-	-	-	-	-	-	24	76
				WB	-	-	-	12	12	12	-	-	-	12	187
NOR	I-264	MILITARY HWY	I-64	EB	15	48	48	-	-	-	-	-	-	48	41
				WB	-	-	-	12	12	12	-	-	-	12	187
NOR	I-264	I-64	NEWTOWN RD/WCL VA. BEACH	EB	18	53	53	-	-	-	-	-	-	53	34
				WB	-	-	-	32	74	74	-	-	-	74	16
NOR	I-464	CHESAPEAKE CL	SOUTH MAIN ST	NB	63	25	63	-	-	-	-	-	-	63	26
				SB	-	-	-	11	11	11	-	-	-	11	213
NOR	I-464	SOUTH MAIN ST	I-264	NB	69	55	69	-	-	-	-	-	-	69	22
				SB	-	-	-	12	12	12	-	-	-	12	187
NOR	I-564	ADMIRAL TAUSSIG BLVD	INTERMODAL CONNECTOR	NB	67	25	67	-	-	-	-	-	-	67	23
				SB	-	-	-	10	10	10	-	-	-	10	227
NOR	I-564	INTERMODAL CONNECTOR	INTERNATIONAL TERMINAL BLVD	NB	67	25	67	-	-	-	-	-	-	67	23
				SB	-	-	-	10	10	10	-	-	-	10	227
NOR	I-564	INTERNATIONAL TERMINAL BLVD	I-64	NB	25	13	25	-	-	-	-	-	-	25	72
				SB	-	-	-	18	36	36	-	-	-	36	51
NOR	INDIAN RIVER RD	MARSH ST	WILSON RD		1	1	1	0	0	0	-	-	-	1	949
NOR	INDIAN RIVER RD	WILSON RD	CAMPOSTELLA RD		14	23	23	26	34	34	-	-	-	34	168
NOR	INDIAN RIVER RD	CAMPOSTELLA RD	CHESAPEAKE CL		3	5	5	4	2	4	-	-	-	5	719
NOR	INGLESIDE RD	VA BEACH BLVD	PRINCESS ANNE RD		4	4	4	4	4	4	-	-	-	4	765
NOR	INGLESIDE RD	PRINCESS ANNE RD	TAIT TERRACE DR		2	2	2	6	8	8	-	-	-	8	621
NOR	INTERNATIONAL TERMINAL BLVD	HAMPTON BLVD	I-564		16	19	19	30	17	30	-	-	-	30	205
NOR	JAMESTOWN CRESCENT	53RD ST	HAMPTON BLVD		0	0	0	0	0	0	-	-	-	0	1084
NOR	JOHNSTONS RD	SEWELLS POINT RD	CHESAPEAKE BLVD		-	-	-	-	-	-	0	0	0	0	1084
NOR	JOHNSTONS RD	CHESAPEAKE BLVD	MILITARY HWY		-	-	-	-	-	-	0	16	16	16	368
NOR	JOHNSTONS RD/HALPRIN LN	MILITARY HWY	LITTLE CREEK RD		-	-	-	-	-	-	0	0	0	0	1084
NOR	KEMPSVILLE RD	NEWTOWN RD	VA BEACH BLVD		9	16	16	7	27	27	-	-	-	27	227
NOR	KEMPSVILLE RD	VA BEACH BLVD	NORTHAMPTON BLVD		0	0	0	0	2	2	-	-	-	2	869
NOR	LAFAYETTE BLVD	27TH ST	TIDEWATER DR		1	5	5	0	0	0	-	-	-	5	719
NOR	LAFAYETTE BLVD	TIDEWATER DR	CHESAPEAKE BLVD		8	8	8	9	11	11	-	-	-	11	521
NOR	LIBERTY ST	STATE ST	SOUTH MAIN ST		-	-	-	-	-	-	0	1	1	1	949
NOR	LIBERTY ST	SOUTH MAIN ST	CHESAPEAKE CL		-	-	-	-	-	-	3	1	3	3	815
NOR	LITTLE CREEK RD	HAMPTON BLVD	GRANBY ST		10	10	10	10	10	10	-	-	-	10	552
NOR	LITTLE CREEK RD	GRANBY ST	I-64		21	23	23	36	56	56	-	-	-	56	53
NOR	LITTLE CREEK RD	I-64	TIDEWATER DR		16	18	18	15	15	15	-	-	-	18	335
NOR	LITTLE CREEK RD	TIDEWATER DR	SEWELLS POINT RD		18	17	18	40	63	63	-	-	-	63	29
NOR	LITTLE CREEK RD	SEWELLS POINT RD	CHESAPEAKE BLVD		25	47	47	20	22	22	-	-	-	47	95

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
NOR	LITTLE CREEK RD	CHESAPEAKE BLVD	MILITARY HWY		31	60	60	32	68	68	-	-	-	68	16
NOR	LITTLE CREEK RD	MILITARY HWY	AZALEA GARDEN RD		11	13	13	10	12	12	-	-	-	13	467
NOR	LITTLE CREEK RD	AZALEA GARDEN RD	SHORE DR		11	13	13	10	10	10	-	-	-	13	467
NOR	LLEWELLYN AVE	VA BEACH BLVD	PRINCESS ANNE RD		2	4	4	4	4	4	-	-	-	4	765
NOR	LLEWELLYN AVE	PRINCESS ANNE RD	21ST ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	LLEWELLYN AVE	21ST ST	26TH ST		1	1	1	1	3	3	-	-	-	3	815
NOR	LLEWELLYN AVE	26TH ST	27TH ST		20	25	25	28	17	28	-	-	-	28	220
NOR	LLEWELLYN AVE	27TH ST	35TH ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	LLEWELLYN AVE	35TH ST	38TH ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	LLEWELLYN AVE	38TH ST	DELAWARE AVE		1	1	1	1	3	3	-	-	-	3	815
NOR	LLEWELLYN AVE	DELAWARE AVE	GRANBY ST		-	-	-	-	-	-	0	0	0	0	1084
NOR	MIDTOWN TUNNEL	PORTSMOUTH CL	BRAMBLETON AVE		45	28	45	25	25	25	-	-	-	45	102
NOR	MILITARY HWY	VA BEACH CL	I-264		3	5	5	4	17	17	-	-	-	17	353
NOR	MILITARY HWY	I-264	VA BEACH BLVD		8	15	15	6	16	16	-	-	-	16	368
NOR	MILITARY HWY	VA BEACH BLVD	LOWERY RD		12	47	47	7	37	37	-	-	-	47	95
NOR	MILITARY HWY	LOWERY RD	PRIN ANNE RD/NORTHAMPTON BLVD		14	49	49	9	39	39	-	-	-	49	88
NOR	MILITARY HWY	PRIN ANNE RD/NORTHAMPTON BLVD	I-64		22	42	42	43	57	57	-	-	-	57	49
NOR	MILITARY HWY	I-64	AZALEA GARDEN RD		5	9	9	9	12	12	-	-	-	12	491
NOR	MILITARY HWY	AZALEA GARDEN RD	NORVIEW AVE		2	34	34	2	7	7	-	-	-	34	168
NOR	MILITARY HWY	NORVIEW AVE	JOHNSTONS RD		0	0	0	0	4	4	-	-	-	4	765
NOR	MILITARY HWY	JOHNSTONS RD	LITTLE CREEK RD		12	11	12	1	1	1	-	-	-	12	491
NOR	MONTICELLO AVE	CITY HALL AVE	BRAMBLETON AVE		0	0	0	0	0	0	-	-	-	0	1084
NOR	MONTICELLO AVE	BRAMBLETON AVE	ST PAULS BLVD		3	3	3	3	3	3	-	-	-	3	815
NOR	MONTICELLO AVE	ST PAULS BLVD	VA BEACH BLVD		16	20	20	23	52	52	-	-	-	52	72
NOR	MONTICELLO AVE	VA BEACH BLVD	PRINCESS ANNE RD		5	9	9	10	38	38	-	-	-	38	141
NOR	MONTICELLO AVE	PRINCESS ANNE RD	21ST ST		5	9	9	7	19	19	-	-	-	19	319
NOR	MONTICELLO AVE	21ST ST	26TH ST		5	5	5	7	16	16	-	-	-	16	368
NOR	MONTICELLO AVE	26TH ST	27TH ST		5	5	5	7	16	16	-	-	-	16	368
NOR	MONTICELLO AVE	27TH ST	CHURCH ST		1	1	1	3	12	12	-	-	-	12	491
NOR	NEWTOWN RD	KEMPSVILLE RD	I-264		16	19	19	19	48	48	-	-	-	48	90
NOR	NEWTOWN RD	I-264	VA BEACH BLVD		25	68	68	23	66	66	-	-	-	68	16
NOR	NEWTOWN RD	VA BEACH BLVD	VA BEACH CL		2	8	8	20	31	31	-	-	-	31	200
NOR	NORTHAMPTON BLVD	MILITARY HWY	KEMPSVILLE RD		19	49	49	32	57	57	-	-	-	57	49
NOR	NORTHAMPTON BLVD	KEMPSVILLE RD	I-64		22	55	55	40	62	62	-	-	-	62	34
NOR	NORTHAMPTON BLVD	I-64	WESLEYAN DR/VA BEACH CL		29	30	30	42	55	55	-	-	-	55	60
NOR	NORVIEW AVE	TIDEWATER DR	CHESAPEAKE BLVD		1	1	1	1	1	1	-	-	-	1	949
NOR	NORVIEW AVE	CHESAPEAKE BLVD	I-64		4	4	4	8	18	18	-	-	-	18	335
NOR	NORVIEW AVE	I-64	MILITARY HWY		15	17	17	12	16	16	-	-	-	17	353
NOR	NORVIEW AVE	MILITARY HWY	AZALEA GARDEN RD		11	11	11	12	16	16	-	-	-	16	368
NOR	NORVIEW AVE	AZALEA GARDEN RD	NORFOLK INT AIRPORT		-	-	-	-	-	-	8	8	8	8	621
NOR	OCEAN VIEW AVE	4TH VIEW ST	TIDEWATER DR		1	1	1	1	3	3	-	-	-	3	815
NOR	OCEAN VIEW AVE	TIDEWATER DR	GRANBY ST		11	11	11	11	13	13	-	-	-	13	467
NOR	OCEAN VIEW AVE	GRANBY ST	CHESAPEAKE BLVD		1	3	3	0	0	0	-	-	-	3	815
NOR	OCEAN VIEW AVE	CHESAPEAKE BLVD	CAPE VIEW AVE		10	10	10	10	10	10	-	-	-	10	552
NOR	OCEAN VIEW AVE	CAPE VIEW AVE	21ST BAY ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	OLNEY RD	COLLEY AVE	DUKE ST/VA BEACH BLVD		1	1	1	0	0	0	-	-	-	1	949
NOR	PARK AVE	BRAMBLETON AVE	VA BEACH BLVD		2	2	2	6	28	28	-	-	-	28	220
NOR	PARK AVE	VA BEACH BLVD	PRINCESS ANNE RD		26	35	35	29	38	38	-	-	-	38	141
NOR	PRINCESS ANNE RD	HAMPTON BLVD	COLLEY AVE		14	3	14	15	1	15	-	-	-	15	390
NOR	PRINCESS ANNE RD	COLLEY AVE	LLEWELLYN AVE		0	2	2	1	1	1	-	-	-	2	869
NOR	PRINCESS ANNE RD	LLEWELLYN AVE	MONTICELLO AVE		5	23	23	2	4	4	-	-	-	23	267
NOR	PRINCESS ANNE RD	MONTICELLO AVE	CHURCH ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	PRINCESS ANNE RD	CHURCH ST	TIDEWATER DR		0	2	2	0	0	0	-	-	-	2	869
NOR	PRINCESS ANNE RD	TIDEWATER DR	MAY AVE		1	3	3	2	4	4	-	-	-	4	765
NOR	PRINCESS ANNE RD	MAY AVE	PARK AVE		1	3	3	2	4	4	-	-	-	4	765
NOR	PRINCESS ANNE RD	PARK AVE	BALLENTINE BLVD		9	9	9	9	9	9	-	-	-	9	590

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA				
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS	MAX POINTS OVERALL	SEGMENT POINTS RANK
NOR	PRINCESS ANNE RD	BALLENTINE BLVD	INGLESIDE RD		13	15	15	11	21	21	-	-	-	21	302
NOR	PRINCESS ANNE RD	INGLESIDE RD	AZALEA GARDEN RD		9	11	11	9	9	9	-	-	-	11	521
NOR	PRINCESS ANNE RD	AZALEA GARDEN RD	SEWELLS POINT RD		9	13	13	9	9	9	-	-	-	13	467
NOR	PRINCESS ANNE RD	SEWELLS POINT RD	MILITARY HWY		9	13	13	9	9	9	-	-	-	13	467
NOR	ROBIN HOOD RD	CHESAPEAKE BLVD	SEWELLS POINT RD		0	0	0	0	0	0	-	-	-	0	1084
NOR	ROBIN HOOD RD	SEWELLS POINT RD	AZALEA GARDEN RD		3	3	3	1	1	1	-	-	-	3	815
NOR	ROBIN HOOD RD	AZALEA GARDEN RD	ELLSMERE AVE		3	3	3	3	3	3	-	-	-	3	815
NOR	ROBIN HOOD RD	ELLSMERE AVE	MILITARY HWY		5	5	5	5	5	5	-	-	-	5	719
NOR	SEWELLS POINT RD	PRINCESS ANNE RD	AZALEA GARDEN RD		0	0	0	0	0	0	-	-	-	0	1084
NOR	SEWELLS POINT RD	AZALEA GARDEN RD	ROBIN HOOD RD		0	0	0	0	0	0	-	-	-	0	1084
NOR	SEWELLS POINT RD	ROBIN HOOD RD	CHESAPEAKE BLVD		4	6	6	2	2	2	-	-	-	6	690
NOR	SEWELLS POINT RD	CHESAPEAKE BLVD	PARTRIDGE ST		1	1	1	8	10	10	-	-	-	10	552
NOR	SEWELLS POINT RD	PARTRIDGE ST	PHILPOTTS RD		1	1	1	8	10	10	-	-	-	10	552
NOR	SEWELLS POINT RD	PHILPOTTS RD	I-64		1	1	1	0	0	0	-	-	-	1	949
NOR	SEWELLS POINT RD	I-64	LITTLE CREEK RD		1	1	1	0	0	0	-	-	-	1	949
NOR	SHORE DRIVE	21ST BAY ST	LITTLE CREEK RD		3	10	10	0	2	2	-	-	-	10	552
NOR	SHORE DRIVE	LITTLE CREEK RD	VA BEACH CL		11	34	34	8	8	8	-	-	-	34	168
NOR	SOUTH MAIN ST	I-464	BAINBRIDGE BLVD		9	9	9	10	11	11	-	-	-	11	521
NOR	SOUTH MAIN ST	BAINBRIDGE BLVD	LIBERTY ST		9	9	9	10	11	11	-	-	-	11	521
NOR	SOUTH MAIN ST	LIBERTY ST	BERKLEY AVE		9	9	9	10	11	11	-	-	-	11	521
NOR	ST PAULS BLVD	WATERSIDE DR	CITY HALL AVE		5	44	44	5	3	5	-	-	-	44	111
NOR	ST PAULS BLVD	CITY HALL AVE	I-264 RAMP/MACARTHUR MALL		71	74	74	39	75	75	-	-	-	75	4
NOR	ST PAULS BLVD	I-264 RAMP/MACARTHUR MALL	BRAMBLETON AVE		24	21	24	24	66	66	-	-	-	66	22
NOR	ST PAULS BLVD	BRAMBLETON AVE	MONTICELLO AVE		15	19	19	20	50	50	-	-	-	50	80
NOR	STATE ST	LIBERTY ST	BERKLEY AVE		-	-	-	-	-	-	0	5	5	5	719
NOR	STATE ST	BERKLEY AVE	I-464 RAMP		5	3	5	4	4	4	-	-	-	5	719
NOR	THOLE ST	GRANBY ST	TIDEWATER DR		2	4	4	0	0	0	-	-	-	4	765
NOR	TIDEWATER DR	CITY HALL AVE	BRAMBLETON AVE		18	53	53	15	26	26	-	-	-	53	66
NOR	TIDEWATER DR	BRAMBLETON AVE	VA BEACH BLVD		23	21	23	78	78	78	-	-	-	78	1
NOR	TIDEWATER DR	VA BEACH BLVD	PRINCESS ANNE RD		28	19	28	29	74	74	-	-	-	74	5
NOR	TIDEWATER DR	PRINCESS ANNE RD	LAFAYETTE BLVD		19	23	23	19	24	24	-	-	-	24	254
NOR	TIDEWATER DR	LAFAYETTE BLVD	CROMWELL DR		12	19	19	13	16	16	-	-	-	19	319
NOR	TIDEWATER DR	CROMWELL DR	NORVIEW AVE		14	16	16	37	71	71	-	-	-	71	9
NOR	TIDEWATER DR	NORVIEW AVE	THOLE ST		13	20	20	14	19	19	-	-	-	20	307
NOR	TIDEWATER DR	THOLE ST	I-64		11	18	18	11	13	13	-	-	-	18	335
NOR	TIDEWATER DR	I-64	LITTLE CREEK RD		8	12	12	7	11	11	-	-	-	12	491
NOR	TIDEWATER DR	LITTLE CREEK RD	BAYVIEW BLVD		7	9	9	7	7	7	-	-	-	9	590
NOR	TIDEWATER DR	BAYVIEW BLVD	GRANBY ST		0	0	0	0	0	0	-	-	-	0	1084
NOR	TIDEWATER DR	GRANBY ST	OCEAN VIEW AVE		11	40	40	0	0	0	-	-	-	40	133
NOR	VA BEACH BLVD	OLNEY RD	GRANBY ST		4	6	6	6	6	6	-	-	-	6	690
NOR	VA BEACH BLVD	GRANBY ST	MONTICELLO AVE		4	6	6	6	6	6	-	-	-	6	690
NOR	VA BEACH BLVD	MONTICELLO AVE	CHURCH ST		11	13	13	14	11	14	-	-	-	14	436
NOR	VA BEACH BLVD	CHURCH ST	TIDEWATER DR		15	17	17	18	15	18	-	-	-	18	335
NOR	VA BEACH BLVD	TIDEWATER DR	PARK AVE		16	18	18	17	32	32	-	-	-	32	186
NOR	VA BEACH BLVD	PARK AVE	BALLENTINE BLVD		7	9	9	7	7	7	-	-	-	9	590
NOR	VA BEACH BLVD	BALLENTINE BLVD	INGLESIDE RD		9	12	12	29	28	29	-	-	-	29	213
NOR	VA BEACH BLVD	INGLESIDE RD	AZALEA GARDEN RD		30	14	30	17	9	17	-	-	-	30	205
NOR	VA BEACH BLVD	AZALEA GARDEN RD	JETT ST		7	7	7	3	7	7	-	-	-	7	671
NOR	VA BEACH BLVD	JETT ST	MILITARY HWY		7	7	7	3	7	7	-	-	-	7	671
NOR	VA BEACH BLVD	MILITARY HWY	GLENROCK RD		10	48	48	3	7	7	-	-	-	48	90
NOR	VA BEACH BLVD	GLENROCK RD	KEMPSVILLE RD		10	48	48	3	7	7	-	-	-	48	90
NOR	VA BEACH BLVD	KEMPSVILLE RD	NEWTOWN RD		10	50	50	3	7	7	-	-	-	50	80
NOR	WESLEYAN DR	NORTHAMPTON BLVD	NCL VA BEACH		3	7	7	5	9	9	-	-	-	9	590
NOR	WILLOW WOOD DR	GRANBY ST	TIDEWATER DR		2	4	4	1	1	1	-	-	-	4	765
NOR	WILSON RD	BERKLEY AVE/CHESAPEAKE CL	INDIAN RIVER RD		1	1	1	1	1	1	-	-	-	1	949
NOR	WILSON RD	INDIAN RIVER RD	CAMPOSTELLA RD		1	1	1	1	1	1	-	-	-	1	949

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
POQ	EAST YORKTOWN RD	YORK CL	HUNT'S NECK RD		-	-	-	-	-	-	0	0	0	0	1084
POQ	EAST YORKTOWN RD	HUNT'S NECK RD	POQUOSON AVE		-	-	-	-	-	-	0	0	0	0	1084
POQ	LITTLE FLORIDA RD	WYTHE CREEK RD	POQUOSON AVE		-	-	-	-	-	-	7	22	22	22	285
POQ	POQUOSON AVE	WYTHE CREEK RD	LITTLE FLORIDA RD		-	-	-	-	-	-	0	0	0	0	1084
POQ	VICTORY BLVD	YORK CL	WYTHE CREEK RD		3	5	5	3	3	3	-	-	-	5	719
POQ	WYTHE CREEK RD	HAMPTON CL	ALPHUS ST		1	1	1	0	0	0	-	-	-	1	949
POQ	WYTHE CREEK RD	ALPHUS ST	LITTLE FLORIDA RD		4	4	4	3	3	3	-	-	-	4	765
POQ	WYTHE CREEK RD	LITTLE FLORIDA RD	HUDGINS RD		-	-	-	-	-	-	5	5	5	5	719
POQ	WYTHE CREEK RD	HUDGINS RD	POQUOSON AVE		-	-	-	-	-	-	0	0	0	0	1084
PORT	AIRLINE BLVD	CHESAPEAKE CL	GREENWOOD DR		0	0	0	0	0	0	-	-	-	0	1084
PORT	AIRLINE BLVD	GREENWOOD DR	ELMHURST LN		0	0	0	0	2	2	-	-	-	2	869
PORT	AIRLINE BLVD	ELMHURST LN	.55 MI E ELMHURST LN		0	0	0	0	2	2	-	-	-	2	869
PORT	AIRLINE BLVD	.55 MI E ELMHURST LN	VICTORY BLVD		2	2	2	2	4	4	-	-	-	4	765
PORT	AIRLINE BLVD	VICTORY BLVD	PORTSMOUTH BLVD		0	0	0	0	2	2	-	-	-	2	869
PORT	AIRLINE BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		8	10	10	8	10	10	-	-	-	10	552
PORT	AIRLINE BLVD	FREDERICK BLVD	HIGH ST		4	4	4	4	7	7	-	-	-	7	671
PORT	CAVALIER BLVD	CHESAPEAKE CL	GREENWOOD DR		0	0	0	0	0	0	-	-	-	0	1084
PORT	CEDAR LN	HIGH ST	W NORFOLK RD		1	1	1	1	3	3	-	-	-	3	815
PORT	CEDAR LN	W NORFOLK RD	WESTERN FREEWAY		1	1	1	1	3	3	-	-	-	3	815
PORT	CEDAR LN	WESTERN FREEWAY	S PERIMETER RD		11	11	11	9	9	9	-	-	-	11	521
PORT	CHURCHLAND BLVD	CHESAPEAKE CL	W NORFOLK RD		3	5	5	3	7	7	-	-	-	7	671
PORT	CHURCHLAND BLVD	W NORFOLK RD	TYRE NECK RD		3	5	5	2	4	4	-	-	-	5	719
PORT	CHURCHLAND BLVD	TYRE NECK RD	HIGH ST		3	5	5	2	4	4	-	-	-	5	719
PORT	COAST GUARD BLVD	CEDAR LN	COAST GUARD BASE GATE		-	-	-	-	-	-	9	10	10	10	552
PORT	COUNTY ST	CONSTITUTION AVE	PENINSULA AVE		-	-	-	-	-	-	0	0	0	0	1084
PORT	COUNTY ST	PENINSULA AVE	ELM AVE		-	-	-	-	-	-	0	0	0	0	1084
PORT	COUNTY ST	ELM AVE	EFFINGHAM ST		-	-	-	-	-	-	0	0	0	0	1084
PORT	COURT ST	PAVILION DR	COUNTY ST		11	13	13	12	27	27	-	-	-	27	227
PORT	COURT ST	COUNTY ST	HIGH ST		11	13	13	12	25	25	-	-	-	25	244
PORT	COURT ST	HIGH ST	LONDON BLVD		-	-	-	-	-	-	0	0	0	0	1084
PORT	COURT ST	LONDON BLVD	CRAWFORD PKWY		-	-	-	-	-	-	0	0	0	0	1084
PORT	CRAWFORD PKWY	EFFINGHAM ST	CRAWFORD ST		10	10	10	2	2	2	-	-	-	10	552
PORT	CRAWFORD ST	CRAWFORD PKWY	LONDON BLVD		12	12	12	2	2	2	-	-	-	12	491
PORT	CRAWFORD ST	LONDON BLVD	HIGH ST		20	20	20	10	10	10	-	-	-	20	307
PORT	CRAWFORD ST	HIGH ST	COUNTY ST		11	21	21	10	10	10	-	-	-	21	302
PORT	CRAWFORD ST/BART ST	COUNTY ST	COURT ST		11	19	19	10	10	10	-	-	-	19	319
PORT	DEEP CREEK BLVD	VICTORY BLVD	GREENWOOD DR		0	0	0	0	0	0	-	-	-	0	1084
PORT	DEEP CREEK BLVD	GREENWOOD DR	PORTSMOUTH BLVD		0	0	0	0	0	0	-	-	-	0	1084
PORT	DEEP CREEK BLVD	PORTSMOUTH BLVD	FREDERICK BLVD		3	5	5	3	5	5	-	-	-	5	719
PORT	DEEP CREEK BLVD	FREDERICK BLVD	DES MOINES AVE		0	0	0	1	1	1	-	-	-	1	949
PORT	DES MOINES AVE	DEEP CREEK BLVD	I-264		0	0	0	1	1	1	-	-	-	1	949
PORT	EFFINGHAM ST	PORTSMOUTH BLVD	I-264		14	50	50	24	12	24	-	-	-	50	80
PORT	EFFINGHAM ST	I-264	SOUTH ST		13	15	15	26	69	69	-	-	-	69	15
PORT	EFFINGHAM ST	SOUTH ST	HIGH ST		12	14	14	24	66	66	-	-	-	66	22
PORT	EFFINGHAM ST	HIGH ST	LONDON BLVD		34	23	34	19	51	51	-	-	-	51	74
PORT	EFFINGHAM ST	LONDON BLVD	NORTH ST		41	15	41	13	25	25	-	-	-	41	129
PORT	EFFINGHAM ST	NORTH ST	CRAWFORD PKWY		42	15	42	13	25	25	-	-	-	42	120
PORT	EFFINGHAM ST	CRAWFORD PKWY	NAVAL MEDICAL CENTER		-	-	-	-	-	-	8	8	8	8	621
PORT	ELM AVE	LONDON BLVD	HIGH ST		2	2	2	1	1	1	-	-	-	2	869
PORT	ELM AVE	HIGH ST	COUNTY ST		2	2	2	1	1	1	-	-	-	2	869
PORT	ELM AVE	COUNTY ST	SOUTH ST		2	2	2	1	1	1	-	-	-	2	869
PORT	ELM AVE	SOUTH ST	I-264		0	0	0	0	0	0	-	-	-	0	1084
PORT	ELM AVE	I-264	PORTSMOUTH BLVD		0	0	0	0	0	0	-	-	-	0	1084
PORT	ELM AVE	PORTSMOUTH BLVD	GEORGE WASHINGTON HWY		2	2	2	3	3	3	-	-	-	3	815
PORT	ELM AVE	GEORGE WASHINGTON HWY	VICTORY BLVD		9	9	9	9	9	9	-	-	-	9	590
PORT	ELM AVE	VICTORY BLVD	BURTONS POINT RD		9	11	11	9	9	9	-	-	-	11	521

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
PORT	ELM AVE (S NORFOLK JORDAN BRIDGE	BURTONS POINT RD	CHESAPEAKE CL		10	12	12	10	10	10	-	-	-	12	491
PORT	ELMHURST LN	GARWOOD AVE	AIRLINE BLVD		-	-	-	-	-	-	0	0	0	0	1084
PORT	ELMHURST LN	AIRLINE BLVD	PORTSMOUTH BLVD		-	-	-	-	-	-	0	0	0	0	1084
PORT	FREDERICK BLVD	GEORGE WASHINGTON HWY	PORTSMOUTH BLVD		11	11	11	9	11	11	-	-	-	11	521
PORT	FREDERICK BLVD	PORTSMOUTH BLVD	DEEP CREEK BLVD		11	15	15	9	11	11	-	-	-	15	390
PORT	FREDERICK BLVD	DEEP CREEK BLVD	I-264		12	16	16	10	15	15	-	-	-	16	368
PORT	FREDERICK BLVD	I-264	TURNPIKE RD		11	15	15	11	16	16	-	-	-	16	368
PORT	FREDERICK BLVD	TURNPIKE RD	AIRLINE BLVD		19	23	23	19	23	23	-	-	-	23	267
PORT	FREDERICK BLVD	AIRLINE BLVD	HIGH ST		8	8	8	8	8	8	-	-	-	8	621
PORT	GARWOOD AVE	GREENWOOD DR	ELMHURST LN		-	-	-	-	-	-	3	1	3	3	815
PORT	GEORGE WASHINGTON HWY	CHESAPEAKE CL	VICTORY BLVD		21	52	52	18	21	21	-	-	-	52	72
PORT	GEORGE WASHINGTON HWY	VICTORY BLVD	DAVIS ST		21	23	23	21	26	26	-	-	-	26	237
PORT	GEORGE WASHINGTON HWY	DAVIS ST	GREENWOOD DR		17	19	19	17	22	22	-	-	-	22	285
PORT	GEORGE WASHINGTON HWY	GREENWOOD DR	FREDERICK BLVD		13	15	15	13	18	18	-	-	-	18	335
PORT	GEORGE WASHINGTON HWY	FREDERICK BLVD	ELM AVE		38	14	38	10	10	10	-	-	-	38	141
PORT	GEORGE WASHINGTON HWY	ELM AVE	PORTSMOUTH BLVD		20	10	20	10	34	34	-	-	-	34	168
PORT	GREENWOOD DR	AIRLINE BLVD	I-264		0	0	0	2	8	8	-	-	-	8	621
PORT	GREENWOOD DR	I-264	CAVALIER BLVD		1	3	3	0	0	0	-	-	-	3	815
PORT	GREENWOOD DR	CAVALIER BLVD	VICTORY BLVD		3	3	3	2	2	2	-	-	-	3	815
PORT	GREENWOOD DR	VICTORY BLVD	INDEPENDENCE ST		1	1	1	1	1	1	-	-	-	1	949
PORT	GREENWOOD DR	INDEPENDENCE ST	DEEP CREEK BLVD		0	0	0	0	0	0	-	-	-	0	1084
PORT	GREENWOOD DR	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		1	1	1	1	1	1	-	-	-	1	949
PORT	HIGH ST	TYRE NECK RD	CHURCHLAND BLVD		8	12	12	8	10	10	-	-	-	12	491
PORT	HIGH ST	CHURCHLAND BLVD	CEDAR LA		8	12	12	8	12	12	-	-	-	12	491
PORT	HIGH ST	CEDAR LA	RODMAN AVE		8	12	12	8	8	8	-	-	-	12	491
PORT	HIGH ST	RODMAN AVE	FREDERICK BLVD		8	12	12	8	8	8	-	-	-	12	491
PORT	HIGH ST	FREDERICK BLVD	AIRLINE BLVD		15	22	22	3	7	7	-	-	-	22	285
PORT	HIGH ST	AIRLINE BLVD	MT VERNON AVE		2	2	2	13	25	25	-	-	-	25	244
PORT	HIGH ST	MT VERNON AVE	M L K FWY		2	2	2	1	1	1	-	-	-	2	869
PORT	HIGH ST	M L K FWY	ELM AVE		1	1	1	1	1	1	-	-	-	1	949
PORT	HIGH ST	ELM AVE	EFFINGHAM ST		1	1	1	0	0	0	-	-	-	1	949
PORT	HIGH ST	EFFINGHAM ST	CRAWFORD ST		1	1	1	2	2	2	-	-	-	2	869
PORT	I-264	WCL PORTSMOUTH	GREENWOOD DR	EB	13	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264	GREENWOOD DR	VICTORY BLVD	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264	VICTORY BLVD	PORTSMOUTH BLVD	EB	13	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264	PORTSMOUTH BLVD	FREDERICK BLVD	EB	16	12	16	-	-	-	-	-	-	16	98
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264	FREDERICK BLVD	MLK FWY	EB	52	20	52	-	-	-	-	-	-	52	36
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264	MLK FWY	DES MOINES AVE	EB	52	20	52	-	-	-	-	-	-	52	36
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264	DES MOINES AVE	EFFINGHAM ST	EB	71	74	74	-	-	-	-	-	-	74	16
				WB	-	-	-	13	13	13	-	-	-	13	161
PORT	I-264/DOWNTOWN TUNNEL	EFFINGHAM ST	NORFOLK CL	EB	65	71	71	-	-	-	-	-	-	71	20
				WB	-	-	-	25	54	54	-	-	-	54	32
PORT	LONDON BLVD	HIGH ST	MT VERNON AVE		1	3	3	1	5	5	-	-	-	5	719
PORT	LONDON BLVD	MT VERNON AVE	MLK FWY		0	0	0	2	6	6	-	-	-	6	690
PORT	LONDON BLVD	MLK FWY	ELM AVE		9	13	13	11	13	13	-	-	-	13	467
PORT	LONDON BLVD	ELM AVE	EFFINGHAM ST		13	15	15	11	9	11	-	-	-	15	390
PORT	LONDON ST	EFFINGHAM ST	CRAWFORD ST		-	-	-	-	-	-	0	0	0	0	1084
PORT	MIDTOWN TUNNEL	MLK FWY/WESTERN FREEWAY	NORFOLK CL		39	22	39	19	19	19	-	-	-	39	137
PORT	M L K FREEWAY	I-264	HIGH ST	NB	11	11	11	-	-	-	-	-	-	11	213
				SB	-	-	-	11	11	11	-	-	-	11	213

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
PORT	M L K FREEWAY	HIGH ST	LONDON BLVD	NB	13	13	13	-	-	-	-	-	-	13	161
				SB	-	-	-	13	13	13	-	-	-	13	161
PORT	M L K FREEWAY	LONDON BLVD	WESTERN FREEWAY/MIDTOWN TUNNE	NB	9	9	9	-	-	-	-	-	-	9	247
				SB	-	-	-	10	10	10	-	-	-	10	227
PORT	PORTCENTRE PKWY	PORTSMOUTH BLVD	CRAWFORD ST		19	32	32	11	11	11	-	-	-	32	186
PORT	PORTSMOUTH BLVD	CHESAPEAKE CL	ELMHURST LN		0	4	4	0	4	4	-	-	-	4	765
PORT	PORTSMOUTH BLVD	ELMHURST LN	VICTORY BLVD		7	9	9	7	11	11	-	-	-	11	521
PORT	PORTSMOUTH BLVD	VICTORY BLVD	AIRLINE BLVD		30	35	35	2	19	19	-	-	-	35	160
PORT	PORTSMOUTH BLVD	AIRLINE BLVD	TURNPIKE RD		3	3	3	7	32	32	-	-	-	32	186
PORT	PORTSMOUTH BLVD	TURNPIKE RD	I-264		3	3	3	7	32	32	-	-	-	32	186
PORT	PORTSMOUTH BLVD	I-264	DEEP CREEK BLVD		1	1	1	1	1	1	-	-	-	1	949
PORT	PORTSMOUTH BLVD	DEEP CREEK BLVD	FREDERICK BLVD		15	23	23	13	22	22	-	-	-	23	267
PORT	PORTSMOUTH BLVD	FREDERICK BLVD	ELM AVE		0	0	0	1	1	1	-	-	-	1	949
PORT	PORTSMOUTH BLVD	ELM AVE	EFFINGHAM ST		3	3	3	3	3	3	-	-	-	3	815
PORT	PORTSMOUTH BLVD	EFFINGHAM ST	PORTCENTRE PKWY		14	9	14	15	15	15	-	-	-	15	390
PORT	TOWNE POINT RD	SUFFOLK CL	TWIN PINES RD		1	1	1	1	1	1	-	-	-	1	949
PORT	TOWNE POINT RD	TWIN PINES RD	WESTERN FREEWAY		6	15	15	16	61	61	-	-	-	61	39
PORT	TOWNE POINT RD	WESTERN FREEWAY	CHESAPEAKE CL		4	6	6	4	6	6	-	-	-	6	690
PORT	TURNPIKE RD	PORTSMOUTH BLVD	FREDERICK BLVD		2	2	2	0	2	2	-	-	-	2	869
PORT	TURNPIKE RD	FREDERICK BLVD	HOWARD ST		14	14	14	15	14	15	-	-	-	15	390
PORT	TURNPIKE RD	HOWARD ST	HARBOR DR		13	13	13	14	13	14	-	-	-	14	436
PORT	TURNPIKE RD	HARBOR DR	COUNTY ST		13	13	13	14	13	14	-	-	-	14	436
PORT	TWIN PINES RD	TOWNE POINT RD	HEDGEROW LN		-	-	-	-	-	-	2	2	2	2	869
PORT	TYRE NECK RD	CHESAPEAKE CL	HIGH ST		-	-	-	-	-	-	0	24	24	24	254
PORT	TYRE NECK RD	HIGH ST	CHURCHLAND BLVD		-	-	-	-	-	-	0	0	0	0	1084
PORT	TYRE NECK RD	CHURCHLAND BLVD	WEST NORFOLK RD		-	-	-	-	-	-	0	0	0	0	1084
PORT	VICTORY BLVD	PORTSMOUTH BLVD	AIRLINE BLVD		12	15	15	9	6	9	-	-	-	15	390
PORT	VICTORY BLVD	AIRLINE BLVD	I-264		6	15	15	6	30	30	-	-	-	30	205
PORT	VICTORY BLVD	I-264	GREENWOOD DR		14	27	27	19	29	29	-	-	-	29	213
PORT	VICTORY BLVD	GREENWOOD DR	DEEP CREEK BLVD		10	13	13	10	10	10	-	-	-	13	467
PORT	VICTORY BLVD	DEEP CREEK BLVD	GEORGE WASHINGTON HWY		16	18	18	16	16	16	-	-	-	18	335
PORT	VICTORY BLVD	GEORGE WASHINGTON HWY	AFTON PKWY		14	14	14	14	14	14	-	-	-	14	436
PORT	VICTORY BLVD	AFTON PKWY	ELM AVE		8	8	8	8	8	8	-	-	-	8	621
PORT	W NORFOLK RD	CHURCHLAND BLVD	TYRE NECK RD		0	0	0	0	0	0	-	-	-	0	1084
PORT	W NORFOLK RD	TYRE NECK RD	CEDAR LN		0	0	0	0	0	0	-	-	-	0	1084
PORT	W NORFOLK RD	CEDAR LN	WESTERN FWY		1	1	1	1	1	1	-	-	-	1	949
PORT	WESTERN BRANCH BLVD	CHESAPEAKE CL	TYRE NECK RD		8	12	12	8	12	12	-	-	-	12	491
PORT	WESTERN FWY	SUFFOLK CL	TOWNE POINT RD	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	12	12	12	-	-	-	12	187
PORT	WESTERN FWY	TOWNE POINT RD	CEDAR LN	EB	16	12	16	-	-	-	-	-	-	16	98
				WB	-	-	-	12	12	12	-	-	-	12	187
PORT	WESTERN FWY	CEDAR LN	VIG BLVD	EB	42	14	42	-	-	-	-	-	-	42	46
				WB	-	-	-	12	12	12	-	-	-	12	187
PORT	WESTERN FWY	VIG BLVD	WEST NORFOLK RD	EB	42	14	42	-	-	-	-	-	-	42	46
				WB	-	-	-	12	12	12	-	-	-	12	187
PORT	WESTERN FWY	WEST NORFOLK RD	MLK FREEWAY/MIDTOWN TUNNEL	EB	35	15	35	-	-	-	-	-	-	35	54
				WB	-	-	-	16	29	29	-	-	-	29	62
SH	BUS ROUTE 58	ROUTE 35	ECL COURTLAND		1	1	1	1	1	1	-	-	-	1	949
SH	BUS ROUTE 58	ECL COURTLAND	ROUTE 58		1	1	1	1	1	1	-	-	-	1	949
SH	BUSINESS ROUTE 58 (CAMP PKWY)	ROUTE 58	DELAWARE RD (RTE 687)		0	0	0	0	0	0	-	-	-	0	1084
SH	BUSINESS ROUTE 58 (CAMP PKWY)	DELAWARE RD (RTE 687)	FRANKLIN CL		0	0	0	0	0	0	-	-	-	0	1084
SH	ROUTE 35	NC STATE LINE	SCL BOYKINS		2	2	2	0	0	0	-	-	-	2	869
SH	ROUTE 35	SCL BOYKINS	ROUTE 1324		2	2	2	0	0	0	-	-	-	2	869
SH	ROUTE 35	ROUTE 1324	ROUTE 186		2	2	2	0	0	0	-	-	-	2	869
SH	ROUTE 35	ROUTE 186	NCL BOYKINS		0	0	0	0	0	0	-	-	-	0	1084
SH	ROUTE 35	NCL BOYKINS	ROUTE 671		0	0	0	0	0	0	-	-	-	0	1084

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
SH	ROUTE 35	ROUTE 671	GRAYS SHOP RD (RTE 673)		0	0	0	2	2	2	-	-	-	2	869
SH	ROUTE 35	GRAYS SHOP RD (RTE 673)	ROUTE 58		0	0	0	1	1	1	-	-	-	1	949
SH	ROUTE 35/BUS ROUTE 58	ROUTE 58	WCL COURTLAND		0	0	0	0	0	0	-	-	-	0	1084
SH	ROUTE 35/BUS ROUTE 58	WCL COURTLAND	BUS RTE 58		0	0	0	0	0	0	-	-	-	0	1084
SH	ROUTE 35	BUS RTE 58	NCL COURTLAND		0	0	0	0	0	0	-	-	-	0	1084
SH	ROUTE 35	NCL COURTLAND	IVOR RD (RTE 616)		0	0	0	0	0	0	-	-	-	0	1084
SH	ROUTE 35	IVOR RD (RTE 616)	CARYS BRIDGE RD (RTE 653)		1	1	1	1	1	1	-	-	-	1	949
SH	ROUTE 35	CARYS BRIDGE RD (RTE 653)	SUSSEX CL		2	2	2	2	2	2	-	-	-	2	869
SH	ROUTE 58	GREENSVILLE CL	ADAMS GROVE RD (RTE 615)		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	ADAMS GROVE RD (RTE 615)	DREWRY RD (RTE 659)		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	DREWRY RD (RTE 659)	PINOPOLIS RD (ROUTE 653)		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	PINOPOLIS RD (ROUTE 653)	ROUTE 35		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	ROUTE 35	BUS RTE 58 W		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	BUS RTE 58 W	CAMP PKWY (BUS RTE 58 E)		15	16	16	15	16	16	-	-	-	16	368
SH	ROUTE 58	CAMP PKWY (BUS RTE 58 E)	ARMORY DR (RTE 671)		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	ARMORY DR (RTE 671)	ROUTE 258		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	ROUTE 258	PRETLOW RD (RTE 714)		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 58	PRETLOW RD (RTE 714)	SUFFOLK CL		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 186	NC STATE LINE	WCL BRANCHVILLE		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 186	WCL BRANCHVILLE	JOYNER RD (RTE 701)		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 186	JOYNER RD (RTE 701)	ECL BRANCHVILLE		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 186	ECL BRANCHVILLE	WCL BOYKINS		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 186	WCL BOYKINS	ROUTE 35		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 189	ROUTE 258	PRETLOW RD (RTE 714)		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 189	PRETLOW RD (RTE 714)	SUFFOLK CL		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 258	NC STATE LINE	ROUTE 189		1	1	1	1	1	1	-	-	-	1	949
SH	ROUTE 258	ROUTE 189	DOGWOOD BEND RD (RTE 684)		1	1	1	0	0	0	-	-	-	1	949
SH	ROUTE 258	DOGWOOD BEND RD (RTE 684)	ROUTE 58		2	2	2	1	1	1	-	-	-	2	869
SH	ROUTE 460	SUSSEX CL	WCL IVOR		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 460	WCL IVOR	ROUTE 616 (IVOR RD)		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 460	ROUTE 616 (IVOR RD)	ECL IVOR		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 460	ECL IVOR	ISLE OF WIGHT CL		15	15	15	15	15	15	-	-	-	15	390
SH	ROUTE 616	ROUTE 35	SAINT LUKES RD (RTE 633)		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 616	SAINT LUKES RD (RTE 633)	SEACOCK RD (RTE 614)		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 616	SEACOCK RD (RTE 614)	MILLFIELD RD (RTE 605)		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 616	MILLFIELD RD (RTE 605)	SCL IVOR		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 616	SCL IVOR	ROUTE 460		-	-	-	-	-	-	0	0	0	0	1084
SH	ROUTE 671	ROUTE 35	CROSS KEYS RD (RTE 665)		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 671	CROSS KEYS RD (RTE 665)	WCL NEWSOMS		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 671	WCL NEWSOMS	GRAYS SHOP RD (RTE 673)		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 671	GRAYS SHOP RD (RTE 673)	ECL NEWSOMS		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 671	ECL NEWSOMS	SUNBEAM RD (RTE 680)		-	-	-	-	-	-	1	0	1	1	949
SH	ROUTE 671	SUNBEAM RD (RTE 680)	DELAWARE RD (RTE 687)		-	-	-	-	-	-	4	3	4	4	765
SH	ROUTE 671	DELAWARE RD (RTE 687)	ROUTE 58		-	-	-	-	-	-	5	5	5	5	719
SUF	BENNETTS PASTURE RD	NANSEMOND PKWY	KINGS HWY		-	-	-	-	-	-	0	0	0	0	1084
SUF	BENNETTS PASTURE RD	KINGS HWY	BRIDGE RD		-	-	-	-	-	-	0	0	0	0	1084
SUF	BRIDGE RD	ISLE OF WIGHT CL	E. END CHUCKATUCK BRIDGE		8	8	8	9	9	9	-	-	-	9	590
SUF	BRIDGE RD	E. END CHUCKATUCK BRIDGE	CRITTENDEN RD		8	8	8	9	9	9	-	-	-	9	590
SUF	BRIDGE RD	CRITTENDEN RD	N. END NANSEMOND RIVER		11	11	11	11	11	11	-	-	-	11	521
SUF	BRIDGE RD	N. END NANSEMOND RIVER	S. END NANSEMOND RIVER		17	17	17	17	17	17	-	-	-	17	353
SUF	BRIDGE RD	S. END NANSEMOND RIVER	BENNETTS PASTURE RD		11	11	11	11	11	11	-	-	-	11	521
SUF	BRIDGE RD	BENNETTS PASTURE RD	SHOULDERS HILL RD		10	14	14	10	10	10	-	-	-	14	436
SUF	BRIDGE RD	SHOULDERS HILL RD	HARBOUR VIEW BLVD		13	15	15	15	33	33	-	-	-	33	179
SUF	BRIDGE RD	HARBOUR VIEW BLVD	WESTERN FWY		11	11	11	13	34	34	-	-	-	34	168
SUF	BRIDGE RD	WESTERN FWY	I-664		9	9	9	12	19	19	-	-	-	19	319
SUF	BRIDGE RD	I-664	COLLEGE DR		14	18	18	13	15	15	-	-	-	18	335

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
SUF	BRIDGE RD	COLLEGE DR	CHESAPEAKE CL		14	18	18	13	15	15	-	-	-	18	335
SUF	BUCKHORN DR	ROUTE 58	INDIAN TRAIL		-	-	-	-	-	-	0	0	0	0	1084
SUF	BUCKHORN DR	INDIAN TRAIL	ISLE OF WIGHT CL		-	-	-	-	-	-	0	0	0	0	1084
SUF	CAROLINA RD	NC STATE LINE	ADAMS SWAMP RD (RTE 642)		0	0	0	0	0	0	-	-	-	0	1084
SUF	CAROLINA RD	ADAMS SWAMP RD (RTE 642)	CYPRESS CHAPEL RD (RTE 675)		0	0	0	0	0	0	-	-	-	0	1084
SUF	CAROLINA RD	CYPRESS CHAPEL RD (RTE 675)	BABBTOWN RD (RTE 759)		0	0	0	0	0	0	-	-	-	0	1084
SUF	CAROLINA RD	BABBTOWN RD (RTE 759)	WHALEYVILLE BLVD		0	0	0	0	0	0	-	-	-	0	1084
SUF	CAROLINA RD	WHALEYVILLE BLVD	TURLINGTON RD		15	15	15	15	15	15	-	-	-	15	390
SUF	CAROLINA RD	TURLINGTON RD	SW SUFFOLK BYPASS		15	15	15	15	15	15	-	-	-	15	390
SUF	CAROLINA RD	SW SUFFOLK BYPASS	FAYETTE ST		5	5	5	5	5	5	-	-	-	5	719
SUF	COLLEGE DR	BRIDGE RD	WESTERN FREEWAY		8	19	19	15	38	38	-	-	-	38	141
SUF	COLLEGE DR	WESTERN FREEWAY	HAMPTON ROADS PKWY		9	13	13	9	11	11	-	-	-	13	467
SUF	COLLEGE DR	HAMPTON ROADS PKWY	I-664		15	17	17	14	43	43	-	-	-	43	114
SUF	COLLEGE DR	I-664	HARBOUR VIEW BLVD		1	1	1	1	1	1	-	-	-	1	949
SUF	CONSTANCE RD	HOLLAND RD	PITCHKETTLE RD		0	0	0	1	1	1	-	-	-	1	949
SUF	CONSTANCE RD	PITCHKETTLE RD	MAIN ST		1	3	3	0	0	0	-	-	-	3	815
SUF	CONSTANCE RD	MAIN ST	WILROY RD		3	5	5	4	8	8	-	-	-	8	621
SUF	COPELAND RD	ROUTE 58	WHALEYVILLE BLVD		-	-	-	-	-	-	0	0	0	0	1084
SUF	COPELAND RD	WHALEYVILLE BLVD	CAROLINA RD		-	-	-	-	-	-	0	0	0	0	1084
SUF	CRITTENDEN RD	KINGS HWY	BRIDGE RD (RTE 17)		-	-	-	-	-	-	0	0	0	0	1084
SUF	EVERETTS RD	LAKE PRINCE DR (RTE 604)	MOORE FARM LN		-	-	-	-	-	-	0	0	0	0	1084
SUF	EVERETTS RD	MOORE FARM LN	GODWIN BLVD		-	-	-	-	-	-	0	0	0	0	1084
SUF	FINNEY AVE	N MAIN ST	PINNER ST		-	-	-	-	-	-	0	0	0	0	1084
SUF	GODWIN BLVD	PRUDEN BLVD	SUFFOLK BYPASS		12	14	14	14	18	18	-	-	-	18	335
SUF	GODWIN BLVD	SUFFOLK BYPASS	KENSINGTON BLVD		6	8	8	6	16	16	-	-	-	16	368
SUF	GODWIN BLVD	KENSINGTON BLVD	KINGS FORK RD		4	6	6	4	14	14	-	-	-	14	436
SUF	GODWIN BLVD	KINGS FORK ROAD	1.36 MI N OF KINGS FORK RD		1	1	1	1	1	1	-	-	-	1	949
SUF	GODWIN BLVD	1.36 MILES N OF KINGS FORK RD	EVERETS RD		1	1	1	1	1	1	-	-	-	1	949
SUF	GODWIN BLVD	EVERETS RD	KINGS HWY		1	1	1	1	1	1	-	-	-	1	949
SUF	GODWIN BLVD	KINGS HWY	ISLE OF WIGHT CL		1	1	1	1	1	1	-	-	-	1	949
SUF	HAMPTON ROADS PKWY	HARBOUR VIEW BLVD	COLLEGE DR		2	2	2	0	0	0	-	-	-	2	869
SUF	HAMPTON ROADS PKWY	COLLEGE DR	PORTSMOUTH CL		0	0	0	0	0	0	-	-	-	0	1084
SUF	HARBOUR VIEW BLVD	BRIDGE RD	HAMPTON ROADS PKWY		0	0	0	1	18	18	-	-	-	18	335
SUF	HARBOUR VIEW BLVD	HAMPTON ROADS PKWY	COLLEGE DR		0	0	0	0	0	0	-	-	-	0	1084
SUF	HOLLAND RD (BUS RTE 58)	SUFFOLK BYPASS	CONSTANCE RD		0	0	0	1	1	1	-	-	-	1	949
SUF	HOLLAND RD (BUS RTE 58)	RURITAN BLVD	HOLLAND RD (RTE 58)		0	0	0	1	1	1	-	-	-	1	949
SUF	I-664	CHESAPEAKE CL	BRIDGE RD	SB	17	36	36	-	-	-	-	-	-	36	51
				NB	-	-	-	22	15	22	-	-	-	22	78
SUF	I-664	BRIDGE RD	WESTERN FWY	SB	16	32	32	-	-	-	-	-	-	32	58
				NB	-	-	-	25	16	25	-	-	-	25	72
SUF	I-664	WESTERN FWY	COLLEGE DR	SB	13	13	13	-	-	-	-	-	-	13	161
				NB	-	-	-	34	35	35	-	-	-	35	54
SUF	I-664/MMMBT	COLLEGE DR	NEWPORT NEWS CL	SB	13	15	15	-	-	-	-	-	-	15	105
				NB	-	-	-	31	31	31	-	-	-	31	59
SUF	KINGS FORK RD	PITCHKETTLE RD	PRUDEN BLVD		-	-	-	-	-	-	0	0	0	0	1084
SUF	KINGS FORK RD	PRUDEN BLVD	GODWIN BLVD		-	-	-	-	-	-	1	0	1	1	949
SUF	KINGS HWY	GODWIN BLVD	CRITTENDEN RD		-	-	-	-	-	-	0	0	0	0	1084
SUF	KINGS HWY	BENNETTS PASTURE RD	NANSEMOND PKWY		-	-	-	-	-	-	0	0	0	0	1084
SUF	LAKE PRINCE DR (RTE 604)	ROUTE 460 (PRUDEN BLVD)	ROUTE 603 (EVERETTS RD)		0	0	0	0	0	0	-	-	-	0	1084
SUF	MAIN ST	FAYETTE ST	WASHINGTON ST		0	0	0	0	0	0	-	-	-	0	1084
SUF	MAIN ST	WASHINGTON ST	MARKET ST		2	31	31	2	6	6	-	-	-	31	200
SUF	MAIN ST	MARKET ST	CONSTANCE RD		2	31	31	2	6	6	-	-	-	31	200
SUF	MAIN ST	CONSTANCE RD	PRUDEN BLVD/GODWIN BLVD		17	19	19	17	28	28	-	-	-	28	220
SUF	MARKET ST	WASHINGTON ST	MAIN ST		-	-	-	-	-	-	0	0	0	0	1084
SUF	NANSEMOND PKWY	WILROY RD	BENNETTS PASTURE RD		-	-	-	-	-	-	1	0	1	1	949
SUF	NANSEMOND PKWY	BENNETTS PASTURE RD	KINGS HWY		-	-	-	-	-	-	1	0	1	1	949

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
SUF	NANSEMOND PKWY	KINGS HWY	SHOULDERS HILL RD		-	-	-	-	-	-	4	8	8	8	621
SUF	NANSEMOND PKWY	SHOULDERS HILL RD	CHESAPEAKE CL		1	1	1	2	2	2	-	-	-	2	869
SUF	PINNER ST	WASHINGTON ST	BANK ST		-	-	-	-	-	-	0	0	0	0	1084
SUF	PINNER ST	BANK ST	FINNEY AVE		-	-	-	-	-	-	0	1	1	1	949
SUF	PINNER ST	FINNEY AVE	CONSTANCE RD		-	-	-	-	-	-	2	2	2	2	869
SUF	PITCHKETTLE RD	CONSTANCE RD	SUFFOLK BYPASS		0	0	0	0	0	0	-	-	-	0	1084
SUF	PITCHKETTLE RD	SUFFOLK BYPASS	KINGS FORK RD		0	0	0	0	0	0	-	-	-	0	1084
SUF	PORTSMOUTH BLVD	WILROY RD	WASHINGTON ST		10	10	10	11	13	13	-	-	-	13	467
SUF	PORTSMOUTH BLVD	WASHINGTON ST	SUFFOLK BYPASS		10	10	10	12	14	14	-	-	-	14	436
SUF	PROVIDENCE RD (RTE 604)	KINGS FORK RD	ROUTE 460 (PRUDEN BLVD)		0	0	0	0	0	0	-	-	-	0	1084
SUF	PRUDEN BLVD	ISLE OF WIGHT CL	LAKE PRINCE DR		15	15	15	15	15	15	-	-	-	15	390
SUF	PRUDEN BLVD	LAKE PRINCE DR	KINGS FORK RD		18	22	22	17	17	17	-	-	-	22	285
SUF	PRUDEN BLVD	KINGS FORK RD	SUFFOLK BYPASS		17	17	17	16	17	17	-	-	-	17	353
SUF	PRUDEN BLVD	SUFFOLK BYPASS	GODWIN BLVD		1	1	1	1	1	1	-	-	-	1	949
SUF	PUGHSVILLE RD	SHOULDERS HILL RD	TOWN POINT RD		0	0	0	0	0	0	-	-	-	0	1084
SUF	PUGHSVILLE RD	TOWN POINT RD	CHESAPEAKE CL		2	2	2	2	2	2	-	-	-	2	869
SUF	ROUTE 13/58/460	SUFFOLK BYPASS	CHESAPEAKE CL	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
SUF	ROUTE 58	SOUTHAMPTON CL	RTE 189/258		15	15	15	15	15	15	-	-	-	15	390
SUF	ROUTE 58	RTE 189/258	RTE 272 (S. QUAY RD)		15	15	15	15	15	15	-	-	-	15	390
SUF	ROUTE 58	RTE 272	S. QUAY RD (ROUTE 189)		15	15	15	15	15	15	-	-	-	15	390
SUF	ROUTE 58 (HOLLAND BYPASS)	S. QUAY RD (ROUTE 189)	BUS RTE 58 (HOLLAND RD)		15	15	15	15	15	15	-	-	-	15	390
SUF	ROUTE 58 (HOLLAND RD)	BUS RTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)		17	17	17	17	17	17	-	-	-	17	353
SUF	ROUTE 58 (HOLLAND RD)	RTE 649 (LUMMIS RD)	RTE 643 (MANNING BRIDGE RD)		15	15	15	15	15	15	-	-	-	15	390
SUF	ROUTE 58 (HOLLAND RD)	RTE. 643 (MANNING BRIDGE RD)	COVE POINT DR		15	15	15	15	15	15	-	-	-	15	390
SUF	ROUTE 58 (HOLLAND RD)	COVE POINT DR	SUFFOLK BYPASS		17	21	21	16	24	24	-	-	-	24	254
SUF	ROUTE 189 (IN HOLLAND)	RTE 58 (SOUTH OF HOLLAND)	BUS RTE 58 (RURITAN BLVD)		-	-	-	-	-	-	0	0	0	0	1084
SUF	ROUTE 189	SOUTHAMPTON CL	RTE 272		-	-	-	-	-	-	0	0	0	0	1084
SUF	ROUTE 189	RTE 272	RTE 58		-	-	-	-	-	-	0	0	0	0	1084
SUF	ROUTE 258	RTE 58	ISLE OF WIGHT CL		-	-	-	-	-	-	2	1	2	2	869
SUF	ROUTE 272	ROUTE 189	ROUTE 58		-	-	-	-	-	-	0	0	0	0	1084
SUF	ROUTE 616	ROUTE 58	WHALEYVILLE BLVD		-	-	-	-	-	-	0	0	0	0	1084
SUF	ROUTE 616	WHALEYVILLE BLVD	CAROLINA RD		-	-	-	-	-	-	0	0	0	0	1084
SUF	RURITAN BLVD (BUS RTE 58)	ISLE OF WIGHT CL	RTE 189 (HOLLAND RD BUS)		0	0	0	0	0	0	-	-	-	0	1084
SUF	SHOULDERS HILL RD	NANSEMOND PKWY	PUGHSVILLE RD		0	0	0	0	0	0	-	-	-	0	1084
SUF	SHOULDERS HILL RD	PUGHSVILLE RD	BRIDGE RD		0	0	0	0	0	0	-	-	-	0	1084
SUF	SOUTHWEST SUFFOLK BYPASS	HOLLAND RD	CAROLINA RD	NB	10	10	10	-	-	-	-	-	-	10	227
				SB	-	-	-	10	10	10	-	-	-	10	227
SUF	SUFFOLK BYPASS	HOLLAND RD	PITCHKETTLE RD	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
SUF	SUFFOLK BYPASS	PITCHKETTLE RD	PRUDEN BLVD	EB	13	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	13	13	13	-	-	-	13	161
SUF	SUFFOLK BYPASS	PRUDEN BLVD	GODWIN BLVD	EB	14	14	14	-	-	-	-	-	-	14	147
				WB	-	-	-	14	14	14	-	-	-	14	147
SUF	SUFFOLK BYPASS	GODWIN BLVD	WILROY RD	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
SUF	SUFFOLK BYPASS	WILROY RD	ROUTES 13/58/460	EB	14	14	14	-	-	-	-	-	-	14	147
				WB	-	-	-	11	11	11	-	-	-	11	213
SUF	TOWN POINT RD	PUGHSVILLE RD	BRIDGE RD		-	-	-	-	-	-	0	0	0	0	1084
SUF	WASHINGTON ST	W CONSTANCE RD	SARATOGA ST		-	-	-	-	-	-	0	0	0	0	1084
SUF	WASHINGTON ST	SARATOGA ST	MAIN ST		-	-	-	-	-	-	0	0	0	0	1084
SUF	WASHINGTON ST	MAIN ST	PINNER ST		0	0	0	0	0	0	-	-	-	0	1084
SUF	WASHINGTON ST	PINNER ST	PORTSMOUTH BLVD		1	3	3	1	3	3	-	-	-	3	815
SUF	WESTERN FWY	BRIDGE RD	I-664	EB	10	10	10	-	-	-	-	-	-	10	227
				WB	-	-	-	10	10	10	-	-	-	10	227
SUF	WESTERN FWY	I-664	COLLEGE DR	EB	11	11	11	-	-	-	-	-	-	11	213
				WB	-	-	-	11	11	11	-	-	-	11	213

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
SUF	WESTERN FWY	COLLEGE DR	PORTSMOUTH CL	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	12	12	12	-	-	-	12	187
SUF	WHALEYVILLE BLVD	NC STATE LINE	RTE 616 (MINERAL SPRING RD)		12	12	12	12	12	12	-	-	-	12	491
SUF	WHALEYVILLE BLVD	RTE 616 (MINERAL SPRING RD)	RTE 677 (GREAT FORK RD)		13	13	13	13	13	13	-	-	-	13	467
SUF	WHALEYVILLE BLVD	RTE 677 (GREAT FORK RD)	RTE 675 (CYPRESS CHAPEL RD)		13	13	13	13	13	13	-	-	-	13	467
SUF	WHALEYVILLE BLVD	RTE 675 (CYPRESS CHAPEL RD)	RTE 759 (BABBTOWN RD)		14	14	14	14	14	14	-	-	-	14	436
SUF	WHALEYVILLE BLVD	RTE 759 (BABBTOWN RD)	RTE 32 (CAROLINA RD)		14	14	14	14	14	14	-	-	-	14	436
SUF	WILROY RD	CONSTANCE RD	SUFFOLK BYPASS		-	-	-	-	-	-	3	2	3	3	815
SUF	WILROY RD	SUFFOLK BYPASS	NANSEMOND PKWY		-	-	-	-	-	-	1	0	1	1	949
SUR	ROUTE 10	PRINCE GEORGE CL	ROUTE 40		0	0	0	1	1	1	-	-	-	1	949
SUR	ROUTE 10	ROUTE 40	ROUTE 31 (SOUTH)		0	0	0	1	1	1	-	-	-	1	949
SUR	ROUTES 10/31	ROUTE 31 (SOUTH)	ROUTE 31 (NORTH)		0	0	0	0	0	0	-	-	-	0	1084
SUR	ROUTE 10	ROUTE 31 (NORTH)	ROUTE 617		0	0	0	0	0	0	-	-	-	0	1084
SUR	ROUTE 10	ROUTE 617	ISLE OF WIGHT CL		0	0	0	0	0	0	-	-	-	0	1084
SUR	ROUTE 31	SUSSEX CL	ROUTE 630		-	-	-	-	-	-	0	0	0	0	1084
SUR	ROUTE 31	ROUTE 630	ROUTE 10 (SOUTH)		-	-	-	-	-	-	0	0	0	0	1084
SUR	ROUTE 31	ROUTE 10 (NORTH)	JAMESTOWN-SCOTLAND FERRY		-	-	-	-	-	-	0	0	0	0	1084
SUR	ROUTE 40	SUSSEX CL	ROUTE 615		0	0	0	0	0	0	-	-	-	0	1084
SUR	ROUTE 40	ROUTE 615	ROUTE 10		3	3	3	0	0	0	-	-	-	3	815
VB	21ST ST	PARKS AVE	PACIFIC AVE		10	15	15	-	-	-	0	0	0	15	390
VB	21ST ST	PACIFIC AVE	ATLANTIC AVE		10	10	10	-	-	-	0	0	0	10	552
VB	22ND ST	PARKS AVE	PACIFIC AVE		-	-	-	11	19	19	-	-	-	19	319
VB	22ND ST	PACIFIC AVE	ATLANTIC AVE		-	-	-	9	9	9	-	-	-	9	590
VB	30TH ST	LASKIN RD	PACIFIC AVE		-	-	-	-	-	-	0	0	0	0	1084
VB	30TH ST	PACIFIC AVE	ATLANTIC AVE		-	-	-	-	-	-	0	0	0	0	1084
VB	ATLANTIC AVE	FORT STORY	83RD ST		-	-	-	-	-	-	10	10	10	10	552
VB	ATLANTIC AVE	83RD ST	PACIFIC AVE		16	16	16	16	16	16	-	-	-	16	368
VB	ATLANTIC AVE	PACIFIC AVE	LASKIN RD		1	1	1	1	1	1	-	-	-	1	949
VB	ATLANTIC AVE	LASKIN RD	22ND ST		1	3	3	1	1	1	-	-	-	3	815
VB	ATLANTIC AVE	22ND ST	21ST ST		16	35	35	25	35	35	-	-	-	35	160
VB	ATLANTIC AVE	21ST ST	VA BEACH BLVD		3	5	5	2	2	2	-	-	-	5	719
VB	ATLANTIC AVE	VA BEACH BLVD	5TH ST		3	3	3	6	3	6	-	-	-	6	690
VB	BAXTER RD	PRINCESS ANNE RD	INDEPENDENCE BLVD		21	28	28	5	9	9	-	-	-	28	220
VB	BIRDNECK RD	GENERAL BOOTH BLVD	NORFOLK AVE		8	8	8	8	8	8	-	-	-	8	621
VB	BIRDNECK RD	NORFOLK AVE	VA BEACH BLVD		11	11	11	11	11	11	-	-	-	11	521
VB	BIRDNECK RD	VA BEACH BLVD	I-264		12	14	14	13	17	17	-	-	-	17	353
VB	BIRDNECK RD	I-264	LASKIN RD		5	7	7	1	5	5	-	-	-	7	671
VB	BLACKWATER RD	PUNGO FERRY RD	CHESAPEAKE CL		-	-	-	-	-	-	0	0	0	0	1084
VB	BONNEY RD	INDEPENDENCE BLVD	ROSEMONT RD		-	-	-	-	-	-	11	11	11	11	521
VB	CENTERVILLE TNPK	CHESAPEAKE CL	LYNNHAVEN PKWY		10	2	10	1	1	1	-	-	-	10	552
VB	CENTERVILLE TNPK	LYNNHAVEN PKWY	KEMPSVILLE RD		12	2	12	1	3	3	-	-	-	12	491
VB	CENTERVILLE TNPK	KEMPSVILLE RD	JAKE SEARS RD		13	5	13	3	12	12	-	-	-	13	467
VB	CENTERVILLE TNPK	JAKE SEARS RD	INDIAN RIVER RD		11	5	11	3	12	12	-	-	-	12	491
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	SHORE DR	TOLL PLAZA		17	17	17	14	14	14	-	-	-	17	353
VB	CHESAPEAKE BAY BRIDGE-TUNNEL	TOLL PLAZA	NCL VA BEACH		14	14	14	14	14	14	-	-	-	14	436
VB	CLEVELAND ST	WITCHDUCK RD	KELLAM RD		-	-	-	-	-	-	0	0	0	0	1084
VB	COLUMBUS ST	KELLAM RD	INDEPENDENCE BLVD		-	-	-	-	-	-	0	0	0	0	1084
VB	COLUMBUS ST	INDEPENDENCE BLVD	CONSTITUTION DR		-	-	-	-	-	-	0	0	0	0	1084
VB	CONSTITUTION DR	BONNEY RD	COLUMBUS ST		-	-	-	-	-	-	0	0	0	0	1084
VB	CONSTITUTION DR	COLUMBUS ST	VIRGINIA BEACH BLVD		-	-	-	-	-	-	0	0	0	0	1084
VB	DAM NECK RD	SALEM RD	VA BEACH AMPHITHEATER		0	0	0	0	0	0	-	-	-	0	1084
VB	DAM NECK RD	VA BEACH AMPHITHEATER	PRINCESS ANNE RD		19	9	19	6	6	6	-	-	-	19	319
VB	DAM NECK RD	PRINCESS ANNE RD	ROSEMONT RD		23	23	23	19	40	40	-	-	-	40	133
VB	DAM NECK RD	ROSEMONT RD	HOLLAND RD		20	20	20	16	37	37	-	-	-	37	149
VB	DAM NECK RD	HOLLAND RD	DRAKESMILE RD		37	15	37	25	72	72	-	-	-	72	6
VB	DAM NECK RD	DRAKESMILE RD	LONDON BRIDGE RD		35	13	35	23	71	71	-	-	-	71	9

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
VB	DAM NECK RD	LONDON BRIDGE RD	HARPERS RD		8	8	8	8	8	8	-	-	-	8	621
VB	DAM NECK RD	HARPERS RD	GENERAL BOOTH BLVD		14	14	14	14	14	14	-	-	-	14	436
VB	DAM NECK RD	GENERAL BOOTH BLVD	UPTON DR		-	-	-	-	-	-	16	15	16	16	368
VB	DAM NECK RD	UPTON DR	USN TRAINING CENTER		-	-	-	-	-	-	11	11	11	11	521
VB	DIAMOND SPRINGS RD	NEWTOWN RD	WESLEYAN RD		2	4	4	1	1	1	-	-	-	4	765
VB	DIAMOND SPRINGS RD	WESLEYAN RD	NORTHAMPTON BLVD		1	1	1	0	0	0	-	-	-	1	949
VB	DIAMOND SPRINGS RD	NORTHAMPTON BLVD	SHORE DR		9	9	9	15	14	15	-	-	-	15	390
VB	DRAKESMILE RD	DAM NECK RD	SHIPPS CORNER RD		34	28	34	18	22	22	-	-	-	34	168
VB	ELBOW RD	CHESAPEAKE CL	INDIAN RIVER RD (WEST)		1	1	1	1	1	1	-	-	-	1	949
VB	ELBOW RD/INDIAN RIVER RD	INDIAN RIVER RD (WEST)	INDIAN RIVER RD (EAST)		1	1	1	1	1	1	-	-	-	1	949
VB	ELBOW RD	INDIAN RIVER RD (EAST)	SALEM RD		6	6	6	9	38	38	-	-	-	38	141
VB	FERRELL PKWY	INDIAN RIVER RD	INDIAN LAKES BLVD		14	14	14	33	17	33	-	-	-	33	179
VB	FERRELL PKWY	INDIAN LAKES BLVD	PLEASANT VALLEY RD		2	2	2	2	6	6	-	-	-	6	690
VB	FERRELL PKWY	PLEASANT VALLEY RD	PRINCESS ANNE RD		2	2	2	2	6	6	-	-	-	6	690
VB	FIRST COLONIAL RD	VA BEACH BLVD	I-264		28	55	55	56	54	56	-	-	-	56	53
VB	FIRST COLONIAL RD	I-264	LASKIN RD		7	11	11	8	20	20	-	-	-	20	307
VB	FIRST COLONIAL RD	LASKIN RD	OLD DONATION PKWY		12	16	16	13	25	25	-	-	-	25	244
VB	FIRST COLONIAL RD	OLD DONATION PKWY	GREAT NECK RD		2	6	6	3	13	13	-	-	-	13	467
VB	GENERAL BOOTH BLVD	PRINCESS ANNE RD	NIMMO PKWY		2	6	6	2	6	6	-	-	-	6	690
VB	GENERAL BOOTH BLVD	NIMMO PKWY	LONDON BRIDGE RD		10	14	14	10	14	14	-	-	-	14	436
VB	GENERAL BOOTH BLVD	LONDON BRIDGE RD	DAM NECK RD		11	13	13	11	15	15	-	-	-	15	390
VB	GENERAL BOOTH BLVD	DAM NECK RD	OCEANA BLVD/PROSPERITY RD		15	17	17	18	36	36	-	-	-	36	155
VB	GENERAL BOOTH BLVD	OCEANA BLVD/PROSPERITY RD	BIRDNECK RD		11	11	11	11	11	11	-	-	-	11	521
VB	GENERAL BOOTH BLVD	BIRDNECK RD	HARBOUR POINT		8	8	8	8	8	8	-	-	-	8	621
VB	GREAT NECK RD	VA BEACH BLVD	OLD DONATION PKWY		18	18	18	19	23	23	-	-	-	23	267
VB	GREAT NECK RD	OLD DONATION PKWY	FIRST COLONIAL RD		5	5	5	5	7	7	-	-	-	7	671
VB	GREAT NECK RD	FIRST COLONIAL RD	SHOREHAVEN RD		5	7	7	5	5	5	-	-	-	7	671
VB	GREAT NECK RD	SHOREHAVEN RD	SHORE DR		6	8	8	6	6	6	-	-	-	8	621
VB	HARPERS RD	DAM NECK RD	OCEANA BLVD		-	-	-	-	-	-	14	14	14	14	436
VB	HAYGOOD RD	NEWTOWN RD	WESLEYAN DR		-	-	-	-	-	-	0	0	0	0	1084
VB	HAYGOOD RD	WESLEYAN DR	INDEPENDENCE BLVD		2	4	4	3	3	3	-	-	-	4	765
VB	HOLLAND RD	INDEPENDENCE BLVD	SOUTH PLAZA TRAIL		6	10	10	7	24	24	-	-	-	24	254
VB	HOLLAND RD	SOUTH PLAZA TRAIL	ROSEMONT RD		13	17	17	14	32	32	-	-	-	32	186
VB	HOLLAND RD	ROSEMONT RD	LYNNHAVEN PKWY		6	8	8	6	8	8	-	-	-	8	621
VB	HOLLAND RD	LYNNHAVEN PKWY	DAM NECK RD		6	12	12	8	10	10	-	-	-	12	491
VB	HOLLAND RD	DAM NECK RD	NIMMO PKWY		1	1	1	1	1	1	-	-	-	1	949
VB	HOLLAND RD	NIMMO PKWY	PRINCESS ANNE RD		1	1	1	1	1	1	-	-	-	1	949
VB	I-64	NORFOLK CL	INDIAN RIVER RD	EB	15	17	17	-	-	-	-	-	-	17	91
				WB	-	-	-	79	93	93	-	-	-	93	2
VB	I-64	INDIAN RIVER RD	CHESEAPEAKE CL	EB	13	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	15	13	15	-	-	-	15	105
VB	I-264	NEWTOWN RD/ECL NORFOLK	WITCHDUCK RD	EB	19	49	49	-	-	-	-	-	-	49	38
				WB	-	-	-	14	25	25	-	-	-	25	72
VB	I-264	WITCHDUCK RD	INDEPENDENCE BLVD	EB	21	21	21	-	-	-	-	-	-	21	82
				WB	-	-	-	14	14	14	-	-	-	14	147
VB	I-264	INDEPENDENCE BLVD	ROSEMONT RD	EB	12	12	12	-	-	-	-	-	-	12	187
				WB	-	-	-	18	12	18	-	-	-	18	89
VB	I-264	ROSEMONT RD	LYNNHAVEN PKWY	EB	11	11	11	-	-	-	-	-	-	11	213
				WB	-	-	-	17	11	17	-	-	-	17	91
VB	I-264	LYNNHAVEN PKWY	LONDON BRIDGE RD	EB	11	11	11	-	-	-	-	-	-	11	213
				WB	-	-	-	11	11	11	-	-	-	11	213
VB	I-264	LONDON BRIDGE RD	LASKIN RD	EB	11	11	11	-	-	-	-	-	-	11	213
				WB	-	-	-	11	11	11	-	-	-	11	213
VB	I-264	LASKIN RD	FIRST COLONIAL RD	EB	10	10	10	-	-	-	-	-	-	10	227
				WB	-	-	-	10	10	10	-	-	-	10	227
VB	I-264	FIRST COLONIAL RD	S.E. PARKWAY CORRIDOR	EB	10	10	10	-	-	-	-	-	-	10	227
				WB	-	-	-	10	10	10	-	-	-	10	227

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JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
VB	I-264	S.E. PARKWAY CORRIDOR	BIRDNECK RD	EB	10	10	10	-	-	-	-	-	-	10	227
				WB	-	-	-	10	10	10	-	-	-	10	227
VB	I-264	BIRDNECK RD	PARKS AVE	EB	11	13	13	-	-	-	-	-	-	13	161
				WB	-	-	-	10	10	10	-	-	-	10	227
VB	INDEPENDENCE BLVD	INDIAN RIVER RD	SALEM RD		0	0	0	0	0	0	-	-	-	0	1084
VB	INDEPENDENCE BLVD	SALEM RD	PRINCESS ANNE RD		3	3	3	2	2	2	-	-	-	3	815
VB	INDEPENDENCE BLVD	PRINCESS ANNE RD	LYNNHAVEN PKWY		12	14	14	13	17	17	-	-	-	17	353
VB	INDEPENDENCE BLVD	LYNNHAVEN PKWY	PLAZA TRAIL		5	7	7	5	5	5	-	-	-	7	671
VB	INDEPENDENCE BLVD	PLAZA TRAIL	HOLLAND RD		20	13	20	10	16	16	-	-	-	20	307
VB	INDEPENDENCE BLVD	HOLLAND RD	BAXTER RD		39	22	39	14	27	27	-	-	-	39	137
VB	INDEPENDENCE BLVD	BAXTER RD	I-264		6	6	6	48	25	48	-	-	-	48	90
VB	INDEPENDENCE BLVD	I-264	BONNEY RD		21	40	40	18	48	48	-	-	-	48	90
VB	INDEPENDENCE BLVD	BONNEY RD	COLUMBUS ST		28	47	47	25	55	55	-	-	-	55	60
VB	INDEPENDENCE BLVD	COLUMBUS ST	VA BEACH BLVD		16	34	34	15	45	45	-	-	-	45	102
VB	INDEPENDENCE BLVD	VA BEACH BLVD	JEANNE ST		23	23	23	24	45	45	-	-	-	45	102
VB	INDEPENDENCE BLVD	JEANNE ST	PEMBROKE BLVD		9	9	9	10	31	31	-	-	-	31	200
VB	INDEPENDENCE BLVD	PEMBROKE BLVD	HAYGOOD RD		18	22	22	18	22	22	-	-	-	22	285
VB	INDEPENDENCE BLVD	HAYGOOD RD	NORTHAMPTON BLVD		12	12	12	13	24	24	-	-	-	24	254
VB	INDEPENDENCE BLVD	NORTHAMPTON BLVD	SHORE DR		55	22	55	10	10	10	-	-	-	55	60
VB	INDIAN LAKES BLVD	FERRELL PKWY	INDIAN RIVER RD		-	-	-	-	-	-	0	0	0	0	1084
VB	INDIAN RIVER RD	CHESAPEAKE CL	MILITARY HWY		3	7	7	2	4	4	-	-	-	7	671
VB	INDIAN RIVER RD	MILITARY HWY	PROVIDENCE RD		6	8	8	9	9	9	-	-	-	9	590
VB	INDIAN RIVER RD	PROVIDENCE RD	I-64		10	19	19	20	43	43	-	-	-	43	114
VB	INDIAN RIVER RD	I-64	CENTERVILLE TNPK		22	65	65	16	20	20	-	-	-	65	25
VB	INDIAN RIVER RD	CENTERVILLE TNPK	KEMPSVILLE RD		23	64	64	15	19	19	-	-	-	64	28
VB	INDIAN RIVER RD	KEMPSVILLE RD	FERRELL PKWY		12	12	12	37	37	37	-	-	-	37	149
VB	INDIAN RIVER RD	FERRELL PKWY	INDIAN LAKES BLVD		0	0	0	3	8	8	-	-	-	8	621
VB	INDIAN RIVER RD	INDIAN LAKES BLVD	LYNNHAVEN PKWY		4	4	4	3	3	3	-	-	-	4	765
VB	INDIAN RIVER RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		0	0	0	0	0	0	-	-	-	0	1084
VB	INDIAN RIVER RD	INDEPENDENCE BLVD	ELBOW RD (WEST)		1	1	1	1	1	1	-	-	-	1	949
VB	INDIAN RIVER RD	ELBOW RD (EAST)	S.E. PARKWAY CORRIDOR		2	2	2	2	2	2	-	-	-	2	869
VB	INDIAN RIVER RD	S.E. PARKWAY CORRIDOR	NORTH LANDING RD		2	2	2	2	2	2	-	-	-	2	869
VB	INDIAN RIVER RD	NORTH LANDING RD	WEST NECK RD		0	0	0	0	0	0	-	-	-	0	1084
VB	INDIAN RIVER RD	WEST NECK RD	PRINCESS ANNE RD		2	2	2	2	2	2	-	-	-	2	869
VB	INTERNATIONAL PKWY	LYNNHAVEN PKWY	LONDON BRIDGE RD		-	-	-	-	-	-	0	0	0	0	1084
VB	KEMPSVILLE RD	CHESAPEAKE CL	CENTERVILLE TNPK		0	2	2	0	2	2	-	-	-	2	869
VB	KEMPSVILLE RD	CENTERVILLE TNPK	INDIAN RIVER RD		22	15	22	12	12	12	-	-	-	22	285
VB	KEMPSVILLE RD	INDIAN RIVER RD	PROVIDENCE RD		9	11	11	12	57	57	-	-	-	57	49
VB	KEMPSVILLE RD	PROVIDENCE RD	PRINCESS ANNE RD		15	15	15	9	27	27	-	-	-	27	227
VB	LASKIN RD	VA BEACH BLVD	FIRST COLONIAL RD		13	30	30	13	17	17	-	-	-	30	205
VB	LASKIN RD	FIRST COLONIAL RD	WINWOOD DR		9	9	9	11	15	15	-	-	-	15	390
VB	LASKIN RD	WINWOOD DR	BIRDNECK RD		3	3	3	5	9	9	-	-	-	9	590
VB	LASKIN RD	BIRDNECK RD	30TH ST/32ND ST		6	10	10	6	10	10	-	-	-	10	552
VB	LASKIN RD	30TH ST/32ND ST	PACIFIC AVE		0	0	0	0	0	0	-	-	-	0	1084
VB	LASKIN RD/31ST ST	PACIFIC AVE	ATLANTIC AVE		14	16	16	11	32	32	-	-	-	32	186
VB	LONDON BRIDGE RD	GENERAL BOOTH BLVD	DAM NECK RD		4	6	6	4	4	4	-	-	-	6	690
VB	LONDON BRIDGE RD	DAM NECK RD	DRAKESMILE RD		4	4	4	4	4	4	-	-	-	4	765
VB	LONDON BRIDGE RD	SHIPPS CORNER RD/DRAKESMILE RD	INTERNATIONAL PKWY		8	10	10	8	10	10	-	-	-	10	552
VB	LONDON BRIDGE RD	INTERNATIONAL PKWY	POTTERS RD		10	12	12	10	12	12	-	-	-	12	491
VB	LONDON BRIDGE RD	POTTERS RD	I-264 RAMP		25	39	39	22	24	24	-	-	-	39	137
VB	LONDON BRIDGE RD	I-264 RAMP	VA BEACH BLVD		12	28	28	7	9	9	-	-	-	28	220
VB	LYNNHAVEN PKWY	CHESAPEAKE CL	CENTERVILLE TNPK		12	6	12	0	0	0	-	-	-	12	491
VB	LYNNHAVEN PKWY	CENTERVILLE TNPK	INDIAN RIVER RD		0	0	0	0	2	2	-	-	-	2	869
VB	LYNNHAVEN PKWY	INDIAN RIVER RD	SALEM RD		4	2	4	2	6	6	-	-	-	6	690
VB	LYNNHAVEN PKWY	SALEM RD	PRINCESS ANNE RD		8	10	10	8	8	8	-	-	-	10	552
VB	LYNNHAVEN PKWY	PRINCESS ANNE RD	INDEPENDENCE BLVD		3	5	5	3	15	15	-	-	-	15	390

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
VB	LYNNHAVEN PKWY	INDEPENDENCE BLVD	ROSEMONT RD		10	10	10	8	22	22	-	-	-	22	285
VB	LYNNHAVEN PKWY	ROSEMONT RD	HOLLAND RD		13	13	13	11	25	25	-	-	-	25	244
VB	LYNNHAVEN PKWY	HOLLAND RD	S LYNNHAVEN RD		5	5	5	6	10	10	-	-	-	10	552
VB	LYNNHAVEN PKWY	S LYNNHAVEN RD	INTERNATIONAL PKWY		1	13	13	2	2	2	-	-	-	13	467
VB	LYNNHAVEN PKWY	INTERNATIONAL PKWY	POTTERS RD		11	25	25	10	14	14	-	-	-	25	244
VB	LYNNHAVEN PKWY	POTTERS RD	I-264		1	15	15	0	4	4	-	-	-	15	390
VB	LYNNHAVEN PKWY	I-264	VA BEACH BLVD		33	40	40	3	5	5	-	-	-	40	133
VB	MILITARY HWY	CHESAPEAKE CL	PROVIDENCE RD		1	12	12	3	13	13	-	-	-	13	467
VB	MILITARY HWY	PROVIDENCE RD	INDIAN RIVER RD		31	50	50	5	5	5	-	-	-	50	80
VB	MILITARY HWY	INDIAN RIVER RD	NORFOLK CL		5	7	7	6	19	19	-	-	-	19	319
VB	NEWTOWN RD	NORFOLK CL	BAKER RD		9	15	15	27	38	38	-	-	-	38	141
VB	NEWTOWN RD	BAKER RD	DIAMOND SPRINGS RD		6	10	10	21	29	29	-	-	-	29	213
VB	NEWTOWN RD	DIAMOND SPRINGS RD	HAYGOOD RD		-	-	-	-	-	-	0	0	0	0	1084
VB	NIMMO PKWY	WEST NECK RD	PRINCESS ANNE RD		-	-	-	-	-	-	0	0	0	0	1084
VB	NIMMO PKWY	PRINCESS ANNE RD	HOLLAND RD		-	-	-	-	-	-	1	0	1	1	949
VB	NIMMO PKWY	HOLLAND RD	GENERAL BOOTH BLVD		-	-	-	-	-	-	2	6	6	6	690
VB	NIMMO PKWY	GENERAL BOOTH BLVD	UPTON DR		-	-	-	-	-	-	3	1	3	3	815
VB	NORFOLK AVE	BIRDNECK RD	PACIFIC AVE		-	-	-	-	-	-	0	0	0	0	1084
VB	NORFOLK AVE	PACIFIC AVE	ATLANTIC AVE		-	-	-	-	-	-	0	0	0	0	1084
VB	NORTHAMPTON BLVD	WESLEYAN DR/NORFOLK CL	DIAMOND SPRINGS RD		33	34	34	45	59	59	-	-	-	59	45
VB	NORTHAMPTON BLVD	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		15	15	15	15	15	15	-	-	-	15	390
VB	NORTHAMPTON BLVD	INDEPENDENCE BLVD	SHORE DR		14	16	16	14	17	17	-	-	-	17	353
VB	NORTH LANDING RD	CHESAPEAKE CL	INDIAN RIVER RD		0	0	0	0	0	0	-	-	-	0	1084
VB	NORTH LANDING RD	INDIAN RIVER RD	SALEM RD		0	0	0	0	0	0	-	-	-	0	1084
VB	NORTH LANDING RD	SALEM RD	WEST NECK RD		0	0	0	0	0	0	-	-	-	0	1084
VB	NORTH LANDING RD	WEST NECK RD	PRINCESS ANNE RD		0	0	0	0	0	0	-	-	-	0	1084
VB	OCEANA BLVD	GENERAL BOOTH BLVD	HARPERS RD		16	18	18	20	50	50	-	-	-	50	80
VB	OCEANA BLVD	HARPERS RD	TOMCAT BLVD (NAS MAIN ENT)		8	12	12	8	8	8	-	-	-	12	491
VB	OCEANA BLVD/FIRST COLONIAL RD	TOMCAT BLVD (NAS MAIN ENT)	VA BEACH BLVD		18	22	22	18	18	18	-	-	-	22	285
VB	PACIFIC AVE	ATLANTIC AVE	LASKIN RD		19	19	19	19	19	19	-	-	-	19	319
VB	PACIFIC AVE	LASKIN RD	22ND ST		18	18	18	18	20	20	-	-	-	20	307
VB	PACIFIC AVE	22ND ST	21ST ST		24	56	56	24	40	40	-	-	-	56	53
VB	PACIFIC AVE	21ST ST	VA BEACH BLVD		22	42	42	14	16	16	-	-	-	42	120
VB	PACIFIC AVE	VA BEACH BLVD	NORFOLK AVE		1	1	1	0	0	0	-	-	-	1	949
VB	PACIFIC AVE	NORFOLK AVE	HARBOUR POINT		1	1	1	0	0	0	-	-	-	1	949
VB	PEMBROKE BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		11	18	18	1	1	1	-	-	-	18	335
VB	PLAZA TRAIL, S.	PRINCESS ANNE RD	INDEPENDENCE BLVD		2	4	4	2	4	4	-	-	-	4	765
VB	PLAZA TRAIL, S.	INDEPENDENCE BLVD	HOLLAND RD		2	2	2	2	4	4	-	-	-	4	765
VB	PLAZA TRAIL, S.	HOLLAND RD	MARINA LAKE RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PLAZA TRAIL, S.	MARINA LAKE RD	ROSEMONT RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PLAZA TRAIL, S.	ROSEMONT RD	CONTINENTAL ST		-	-	-	-	-	-	0	2	2	2	869
VB	PLAZA TRAIL, S.	CONTINENTAL ST	VA BEACH BLVD		-	-	-	-	-	-	0	0	0	0	1084
VB	PRINCESS ANNE RD	NEWTOWN RD/NORFOLK CL	KEMPSVILLE RD		2	4	4	0	2	2	-	-	-	4	765
VB	PRINCESS ANNE RD	KEMPSVILLE RD	BAXTER RD		10	26	26	11	15	15	-	-	-	26	237
VB	PRINCESS ANNE RD	BAXTER RD	PROVIDENCE RD		7	9	9	5	14	14	-	-	-	14	436
VB	PRINCESS ANNE RD	PROVIDENCE RD	FERRELL PKWY		1	3	3	1	5	5	-	-	-	5	719
VB	PRINCESS ANNE RD	FERRELL PKWY	LYNNHAVEN PKWY		7	9	9	9	11	11	-	-	-	11	521
VB	PRINCESS ANNE RD	LYNNHAVEN PKWY	INDEPENDENCE BLVD		9	5	9	5	5	5	-	-	-	9	590
VB	PRINCESS ANNE RD	INDEPENDENCE BLVD	DAM NECK RD		23	18	23	18	18	18	-	-	-	23	267
VB	PRINCESS ANNE RD	DAM NECK RD	S.E. PARKWAY CORRIDOR		7	7	7	7	11	11	-	-	-	11	521
VB	PRINCESS ANNE RD	S.E. PARKWAY CORRIDOR	NIMMO PKWY		2	2	2	2	6	6	-	-	-	6	690
VB	PRINCESS ANNE RD	NIMMO PKWY	NORTH LANDING RD		0	0	0	0	4	4	-	-	-	4	765
VB	PRINCESS ANNE RD	NORTH LANDING RD	HOLLAND RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PRINCESS ANNE RD	HOLLAND RD	SEABOARD RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PRINCESS ANNE RD	SEABOARD RD	GENERAL BOOTH BLVD		4	4	4	4	4	4	-	-	-	4	765
VB	PRINCESS ANNE RD	GENERAL BOOTH BLVD	SANDBRIDGE RD/UPTON DR		3	3	3	2	2	2	-	-	-	3	815

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
VB	PRINCESS ANNE RD	SANDBRIDGE RD/UPTON DR	SEABOARD RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PRINCESS ANNE RD	SEABOARD RD	INDIAN RIVER RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PRINCESS ANNE RD	INDIAN RIVER RD	PUNGO FERRY RD		0	0	0	0	0	0	-	-	-	0	1084
VB	PRINCESS ANNE RD	PUNGO FERRY RD	NORTH CAROLINA STATE LINE		0	0	0	0	0	0	-	-	-	0	1084
VB	PROVIDENCE RD	CHESAPEAKE CL	MILITARY HWY		0	0	0	0	0	0	-	-	-	0	1084
VB	PROVIDENCE RD	MILITARY HWY	INDIAN RIVER RD		1	3	3	9	4	9	-	-	-	9	590
VB	PROVIDENCE RD	INDIAN RIVER RD	KEMPSVILLE RD		3	14	14	2	4	4	-	-	-	14	436
VB	PROVIDENCE RD	KEMPSVILLE RD	PRINCESS ANNE RD		0	2	2	0	2	2	-	-	-	2	869
VB	PUNGO FERRY RD	BLACKWATER RD	PRINCESS ANNE RD		-	-	-	-	-	-	0	0	0	0	1084
VB	ROSEMONT RD	DAM NECK RD	BUCKNER BLVD		0	0	0	0	2	2	-	-	-	2	869
VB	ROSEMONT RD	BUCKNER BLVD	LYNNHAVEN PKWY		4	4	4	4	6	6	-	-	-	6	690
VB	ROSEMONT RD	LYNNHAVEN PKWY	HOLLAND RD		5	7	7	6	8	8	-	-	-	8	621
VB	ROSEMONT RD	HOLLAND RD	PLAZA TRAIL		5	5	5	6	23	23	-	-	-	23	267
VB	ROSEMONT RD	PLAZA TRAIL	I-264		17	22	22	6	23	23	-	-	-	23	267
VB	ROSEMONT RD	I-264	VA BEACH BLVD		51	37	51	10	27	27	-	-	-	51	74
VB	SALEM RD	NORTH LANDING RD	ELBOW RD		-	-	-	-	-	-	1	0	1	1	949
VB	SALEM RD	ELBOW RD	INDEPENDENCE BLVD		1	1	1	0	0	0	-	-	-	1	949
VB	SALEM RD	INDEPENDENCE BLVD	LYNNHAVEN PKWY		2	2	2	1	1	1	-	-	-	2	869
VB	SALEM RD	LYNNHAVEN PKWY	PRINCESS ANNE RD		4	4	4	2	2	2	-	-	-	4	765
VB	SANDBRIDGE RD	PRINCESS ANNE RD	ATWOODTOWN RD		-	-	-	-	-	-	3	5	5	5	719
VB	SANDBRIDGE RD	ATWOODTOWN RD	SANDPIPER DR		-	-	-	-	-	-	0	0	0	0	1084
VB	SEABOARD RD	PRINCESS ANNE RD (AT PUNGO FIELD)	PRINCESS ANNE RD (AT P.A. ELEMENTARY)		-	-	-	-	-	-	0	0	0	0	1084
VB	SEABOARD RD	PRINCESS ANNE RD (AT P.A. ELEMENTA	NIMMO PKWY		-	-	-	-	-	-	0	0	0	0	1084
VB	SHORE DRIVE	NORFOLK CL	DIAMOND SPRINGS RD		11	34	34	8	8	8	-	-	-	34	168
VB	SHORE DRIVE	DIAMOND SPRINGS RD	INDEPENDENCE BLVD		22	20	22	17	19	19	-	-	-	22	285
VB	SHORE DRIVE	INDEPENDENCE BLVD	PLEASURE HOUSE RD		10	12	12	10	10	10	-	-	-	12	491
VB	SHORE DRIVE	PLEASURE HOUSE RD	NORTHAMPTON BLVD		11	15	15	13	26	26	-	-	-	26	237
VB	SHORE DRIVE	NORTHAMPTON BLVD	GREAT NECK RD		18	22	22	19	21	21	-	-	-	22	285
VB	SHORE DRIVE	GREAT NECK RD	ATLANTIC AVE		10	10	10	10	10	10	-	-	-	10	552
VB	UPTON DR	NIMMO PKWY	PRINCESS ANNE RD		-	-	-	-	-	-	1	0	1	1	949
VB	VA BEACH BLVD	NEWTOWN RD/NORFOLK CL	WITCHDUCK RD		11	15	15	11	25	25	-	-	-	25	244
VB	VA BEACH BLVD	WITCHDUCK RD	INDEPENDENCE BLVD		14	16	16	13	15	15	-	-	-	16	368
VB	VA BEACH BLVD	INDEPENDENCE BLVD	CONSTITUTION DR		12	16	16	12	18	18	-	-	-	18	335
VB	VA BEACH BLVD	CONSTITUTION DR	ROSEMONT RD		14	18	18	14	20	20	-	-	-	20	307
VB	VA BEACH BLVD	ROSEMONT RD	S. PLAZA TRAIL/LITTLE NECK RD		16	20	20	17	29	29	-	-	-	29	213
VB	VA BEACH BLVD	S. PLAZA TRAIL/LITTLE NECK RD	LYNNHAVEN PKWY		12	14	14	11	22	22	-	-	-	22	285
VB	VA BEACH BLVD	LYNNHAVEN PKWY	GREAT NECK RD		16	20	20	19	24	24	-	-	-	24	254
VB	VA BEACH BLVD	GREAT NECK RD	LASKIN RD		6	10	10	7	11	11	-	-	-	11	521
VB	VA BEACH BLVD	LASKIN RD	FIRST COLONIAL RD		27	27	27	22	22	22	-	-	-	27	227
VB	VA BEACH BLVD	FIRST COLONIAL RD	N OCEANA BLVD		9	9	9	9	9	9	-	-	-	9	590
VB	VA BEACH BLVD	N OCEANA BLVD	BIRDNECK RD		3	3	3	3	3	3	-	-	-	3	815
VB	VA BEACH BLVD	BIRDNECK RD	PACIFIC AVE		9	9	9	9	9	9	-	-	-	9	590
VB	VA BEACH BLVD	PACIFIC AVE	ATLANTIC AVE		2	4	4	1	10	10	-	-	-	10	552
VB	WESLEYAN DR	NORFOLK CL	BAKER RD		0	4	4	2	4	4	-	-	-	4	765
VB	WESLEYAN DR	BAKER RD	DIAMOND SPRINGS RD		0	2	2	2	4	4	-	-	-	4	765
VB	WESLEYAN DR	DIAMOND SPRINGS RD	HAYGOOD DR		0	0	0	0	0	0	-	-	-	0	1084
VB	WEST NECK RD	NIMMO PKWY	NORTH LANDING RD		-	-	-	-	-	-	0	0	0	0	1084
VB	WEST NECK RD	NORTH LANDING RD	INDIAN RIVER RD		-	-	-	-	-	-	1	0	1	1	949
VB	WITCHDUCK RD	PRINCESS ANNE RD	I-264		35	34	35	1	5	5	-	-	-	35	160
VB	WITCHDUCK RD	I-264	VA BEACH BLVD		13	28	28	8	42	42	-	-	-	42	120
VB	WITCHDUCK RD	VA BEACH BLVD	PEMBROKE BLVD		0	0	0	0	2	2	-	-	-	2	869
WMB	BOUNDARY ST	JAMESTOWN RD	FRANCIS ST		2	6	6	1	3	3	-	-	-	6	690
WMB	BYPASS RD	RICHMOND RD	YORK CL		0	4	4	1	7	7	-	-	-	7	671
WMB	BYPASS RD	ROUTE 132/YORK CL	PAGE ST		1	1	1	0	0	0	-	-	-	1	949
WMB	CAPITOL LANDING RD	BYPASS RD	MERRIMAC TRAIL		0	0	0	0	0	0	-	-	-	0	1084
WMB	COLONIAL NATL HIST PKWY	JAMES CITY CL/RTE 199	YORK CL		-	-	-	-	-	-	0	0	0	0	1084

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
WMB	FRANCIS ST	BOUNDARY ST	HENRY ST		0	0	0	0	0	0	-	-	-	0	1084
WMB	HENRY ST S.	ROUTE 199	FRANCIS ST		0	0	0	0	0	0	-	-	-	0	1084
WMB	HENRY ST	FRANCIS ST	LAFAYETTE ST		0	0	0	1	1	1	-	-	-	1	949
WMB	HENRY ST N.	LAFAYETTE ST	RTE 132Y		0	0	0	1	1	1	-	-	-	1	949
WMB	IRONBOUND RD	JAMES CITY CL	DEPUE DR		0	0	0	1	1	1	-	-	-	1	949
WMB	IRONBOUND RD	DEPUE DR	LONGHILL RD		1	3	3	2	2	2	-	-	-	3	815
WMB	IRONBOUND RD	LONGHILL RD	RICHMOND RD		19	37	37	4	6	6	-	-	-	37	149
WMB	JAMESTOWN RD	JAMES CITY CL	RTE 199		2	2	2	2	2	2	-	-	-	2	869
WMB	JAMESTOWN RD	RTE 199	JOHN TYLER LN		3	3	3	13	25	25	-	-	-	25	244
WMB	JAMESTOWN RD	JOHN TYLER LN	COLLEGE CREEK		0	0	0	0	0	0	-	-	-	0	1084
WMB	JAMESTOWN RD	COLLEGE CREEK	BOUNDARY ST		0	0	0	0	0	0	-	-	-	0	1084
WMB	LAFAYETTE ST	RICHMOND RD	HENRY ST		-	-	-	-	-	-	1	0	1	1	949
WMB	LAFAYETTE ST	HENRY ST	CAPITOL LANDING RD		-	-	-	-	-	-	1	0	1	1	949
WMB	LAFAYETTE ST	CAPITOL LANDING RD	PAGE ST		-	-	-	-	-	-	0	0	0	0	1084
WMB	MERRIMAC TRAIL	YORK CL (SOUTH)	CAPITOL LANDING RD		1	1	1	4	23	23	-	-	-	23	267
WMB	MERRIMAC TRAIL	CAPITOL LANDING RD	YORK CL (NORTH)		0	0	0	0	0	0	-	-	-	0	1084
WMB	MONTICELLO AVE	IRONBOUND RD	RICHMOND RD		0	2	2	0	4	4	-	-	-	4	765
WMB	PAGE ST	BYPASS RD	SECOND ST		0	0	0	1	1	1	-	-	-	1	949
WMB	PAGE ST	SECOND ST	YORK ST		1	1	1	0	0	0	-	-	-	1	949
WMB	QUARTERPATH RD	ROUTE 199	YORK ST		-	-	-	-	-	-	0	0	0	0	1084
WMB	RICHMOND RD	JAMES CITY CL	IRONBOUND RD		2	2	2	2	4	4	-	-	-	4	765
WMB	RICHMOND RD	IRONBOUND RD	BYPASS RD		1	5	5	0	4	4	-	-	-	5	719
WMB	RICHMOND RD	BYPASS RD	MONTICELLO AVE		1	3	3	1	3	3	-	-	-	3	815
WMB	RICHMOND RD	MONTICELLO AVE	BROOKS ST		0	0	0	0	0	0	-	-	-	0	1084
WMB	RICHMOND RD	BROOKS ST	BOUNDARY ST		0	0	0	0	0	0	-	-	-	0	1084
WMB	ROUTE 132	ROUTE 132Y	BYPASS RD/YORK CL		2	4	4	0	0	0	-	-	-	4	765
WMB	ROUTE 132Y	ROUTE 132	COLONIAL PKWY		-	-	-	-	-	-	0	0	0	0	1084
WMB	ROUTE 199	JAMES CITY CL (WEST)	JAMESTOWN RD		32	70	70	15	26	26	-	-	-	70	13
WMB	ROUTE 199	JAMESTOWN RD	JAMES CITY CL (EAST)		11	13	13	11	20	20	-	-	-	20	307
WMB	SECOND ST	PAGE ST	YORK CL		4	4	4	1	1	1	-	-	-	4	765
WMB	TREYBURN DR	MONTICELLO AVE	IRONBOUND RD		-	-	-	-	-	-	0	0	0	0	1084
WMB	YORK ST	PAGE ST	JAMES CITY CL		0	0	0	1	1	1	-	-	-	1	949
YC	BALLARD ST	COLONIAL PKWY	COOK RD		-	-	-	-	-	-	0	0	0	0	1084
YC	BALLARD ST	COOK RD	COAST GUARD TRAINING CENTER		-	-	-	-	-	-	8	8	8	8	621
YC	BIG BETHEL RD	HAMPTON CL	HAMPTON HWY (RTE 134)		8	8	8	8	8	8	-	-	-	8	621
YC	BIG BETHEL RD	HAMPTON HWY (RTE 134)	VICTORY BLVD (RTE 171)		0	0	0	0	0	0	-	-	-	0	1084
YC	BYPASS RD	WILLIAMSBURG CL	WALLER MILL RD		0	4	4	1	7	7	-	-	-	7	671
YC	BYPASS RD	WALLER MILL RD	ROUTE 132/WILLIAMSBURG CL		0	4	4	1	7	7	-	-	-	7	671
YC	COLONIAL NATL HIST PKWY	WILLIAMSBURG CL	BALLARD ST		0	0	0	0	0	0	-	-	-	0	1084
YC	COOK RD	GEORGE WASHINGTON HWY	GOOSLEY RD		-	-	-	-	-	-	8	8	8	8	621
YC	COOK RD	GOOSLEY RD	BALLARD ST		-	-	-	-	-	-	8	8	8	8	621
YC	DENBIGH BLVD	NEWPORT NEWS CL	ROUTE 17		0	0	0	0	0	0	-	-	-	0	1084
YC	EAST YORKTOWN RD	VICTORY BLVD	POQUOSON CL		-	-	-	-	-	-	0	0	0	0	1084
YC	FORT EUSTIS BLVD	NEWPORT NEWS CL	ROUTE 17		9	9	9	9	9	9	-	-	-	9	590
YC	FORT EUSTIS BLVD EXT	ROUTE 17	OLD YORK - HAMPTON HWY		-	-	-	-	-	-	0	0	0	0	1084
YC	GEORGE WASHINGTON HWY	NEWPORT NEWS CL	VICTORY BLVD (RTE 171)		10	42	42	11	13	13	-	-	-	42	120
YC	GEORGE WASHINGTON HWY	VICTORY BLVD (RTE 171)	HAMPTON HWY (RTE 134)		13	17	17	15	32	32	-	-	-	32	186
YC	GEORGE WASHINGTON HWY	HAMPTON HWY (RTE 134)	DARE RD		20	22	22	17	17	17	-	-	-	22	285
YC	GEORGE WASHINGTON HWY	DARE RD	DENBIGH BLVD (RTE 173)		10	14	14	9	9	9	-	-	-	14	436
YC	GEORGE WASHINGTON HWY	DENBIGH BLVD (RTE 173)	FORT EUSTIS BLVD (RTE 105)		20	24	24	21	23	23	-	-	-	24	254
YC	GEORGE WASHINGTON HWY	FORT EUSTIS BLVD (RTE 105)	COOK RD		11	15	15	12	14	14	-	-	-	15	390
YC	GEORGE WASHINGTON HWY	COOK RD	GOOSLEY RD (RTE 238)		10	14	14	11	11	11	-	-	-	14	436
YC	GEORGE WASHINGTON HWY	GOOSLEY RD (RTE 238)	GLOUCESTER CL (COLEMAN BRIDGE)		10	10	10	12	14	14	-	-	-	14	436
YC	GOODWIN NECK RD	ROUTE 17	WOLF TRAP RD		0	0	0	1	1	1	-	-	-	1	949
YC	GOOSLEY RD	OLD WILLIAMSBURG RD	CRAWFORD RD		9	9	9	8	8	8	-	-	-	9	590
YC	GOOSLEY RD	CRAWFORD RD	ROUTE 17		9	9	9	8	8	8	-	-	-	9	590

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Appendix D – CMP Segment Scores

JURIS NAME	FACILITY NAME	SEGMENT FROM	SEGMENT TO	DIR	ROADWAYS WITH INRIX DATA						ROADWAYS WITHOUT INRIX DATA			MAX POINTS OVERALL	SEGMENT POINTS RANK
					NB/EB AM POINTS	NB/EB PM POINTS	MAX NB/EB POINTS	SB/WB AM POINTS	SB/WB PM POINTS	MAX SB/WB POINTS	NON-DIR AM POINTS	NON-DIR PM POINTS	MAX NON-DIR POINTS		
YC	GOOSLEY RD	ROUTE 17	COOK RD		-	-	-	-	-	-	8	8	8	8	621
YC	HAMPTON HWY	ROUTE 17	VICTORY BLVD (RTE 171)		9	11	11	11	26	26	-	-	-	26	237
YC	HAMPTON HWY	VICTORY BLVD (RTE 171)	BIG BETHEL RD (RTE 600)		9	21	21	8	10	10	-	-	-	21	302
YC	HAMPTON HWY	BIG BETHEL RD (RTE 600)	NCL HAMPTON		8	8	8	8	8	8	-	-	-	8	621
YC	I-64	JAMES CITY CL	RTE 199/646	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
YC	I-64	RTE 199/646	RTE 143	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
YC	I-64	RTE 143	RTE 199 (EAST OF WILLIAMSBURG)	EB	15	15	15	-	-	-	-	-	-	15	105
				WB	-	-	-	15	15	15	-	-	-	15	105
YC	I-64	RTE 199 (EAST OF WILLIAMSBURG)	GROVE CONNECTOR	EB	14	14	14	-	-	-	-	-	-	14	147
				WB	-	-	-	12	12	12	-	-	-	12	187
YC	I-64	GROVE CONNECTOR	JAMES CITY CL	EB	26	26	26	-	-	-	-	-	-	26	69
				WB	-	-	-	26	28	28	-	-	-	28	65
YC	LIGHTFOOT RD	ROUTE 60	MOORETOWN RD		-	-	-	-	-	-	0	0	0	0	1084
YC	MERRIMAC TRAIL	JAMES CITY CL	BUSCH GARDENS INTERCHANGE		0	0	0	1	1	1	-	-	-	1	949
YC	MERRIMAC TRAIL	BUSCH GARDENS INTERCHANGE	ROUTE 199/JAMES CITY CL		10	10	10	10	10	10	-	-	-	10	552
YC	MERRIMAC TRAIL	PENNIMAN RD/JAMES CITY CL	SECOND ST		10	12	12	9	11	11	-	-	-	12	491
YC	MERRIMAC TRAIL	SECOND ST	WILLIAMSBURG CL		1	1	1	4	23	23	-	-	-	23	267
YC	MERRIMAC TRAIL	WILLIAMSBURG CL	ROUTE 132		0	0	0	0	0	0	-	-	-	0	1084
YC	MOORETOWN RD	WALLER MILL RD	AIRPORT RD		-	-	-	-	-	-	0	0	0	0	1084
YC	MOORETOWN RD	AIRPORT RD	OLD MOORETOWN RD		-	-	-	-	-	-	0	0	0	0	1084
YC	MOORETOWN RD	OLD MOORETOWN RD	ROUTE 199		-	-	-	-	-	-	0	0	0	0	1084
YC	MOORETOWN RD	ROUTE 199	LIGHTFOOT RD		-	-	-	-	-	-	0	0	0	0	1084
YC	NEWMAN RD	I-64	FENTON MILL RD		-	-	-	-	-	-	0	0	0	0	1084
YC	OLD WILLIAMSBURG RD	NEWPORT NEWS CL	BAPTIST RD/MAIN RD		8	8	8	8	8	8	-	-	-	8	621
YC	OLD WILLIAMSBURG RD	BAPTIST RD/MAIN RD	GOOSLEY RD		8	8	8	8	8	8	-	-	-	8	621
YC	PENNIMAN RD (RTE 641)	ROUTE 199	COLONIAL PKWY		12	12	12	10	10	10	-	-	-	12	491
YC	POCAHONTAS TRAIL	JCC LINE @ RTE 199	KINGSMILL RD		4	6	6	4	4	4	-	-	-	6	690
YC	POCAHONTAS TRAIL	KINGSMILL RD	BUSCH GARDENS INTERCHANGE		4	6	6	4	4	4	-	-	-	6	690
YC	POCAHONTAS TRAIL	BUSCH GARDENS INTERCHANGE	JAMES CITY CL		4	4	4	4	4	4	-	-	-	4	765
YC	ROUTE 132	BYPASS RD/WILLIAMSBURG CL	ROUTE 143		0	0	0	0	0	0	-	-	-	0	1084
YC	ROUTE 143	ROUTE 132	I-64		9	9	9	10	14	14	-	-	-	14	436
YC	ROUTE 199	JCC LINE (WESTSIDE)	MOORETOWN RD	EB	8	8	8	-	-	-	-	-	-	8	250
				WB	-	-	-	8	8	8	-	-	-	8	250
YC	ROUTE 199	MOORETOWN RD	I-64	EB	8	8	8	-	-	-	-	-	-	8	250
				WB	-	-	-	8	8	8	-	-	-	8	250
YC	ROUTE 199	RTE 60/RTE 143/JCC LINE	I-64		13	13	13	13	13	13	-	-	-	13	467
YC	ROUTE 199	I-64	MARQUIS PKWY		11	11	11	11	11	11	-	-	-	11	521
YC	ROUTE 199	MARQUIS PKWY	RTE 641 (PENNIMAN RD)		10	10	10	10	10	10	-	-	-	10	552
YC	SECOND ST	WILLIAMSBURG CL	MERRIMAC TRAIL		4	4	4	1	1	1	-	-	-	4	765
YC	VICTORY BLVD	NEWPORT NEWS CL	ROUTE 17		8	38	38	3	5	5	-	-	-	38	141
YC	VICTORY BLVD	ROUTE 17	HAMPTON HWY (RTE 134)		3	7	7	3	23	23	-	-	-	23	267
YC	VICTORY BLVD	HAMPTON HWY (RTE 134)	BIG BETHEL RD (RTE 600)		2	26	26	1	1	1	-	-	-	26	237
YC	VICTORY BLVD	BIG BETHEL RD (RTE 600)	CARYS CHAPEL RD (RTE 782)		0	2	2	0	0	0	-	-	-	2	869
YC	VICTORY BLVD	CARYS CHAPEL RD (RTE 782)	POQUOSON CL		0	2	2	0	0	0	-	-	-	2	869
YC	WALLER MILL RD	ROUTE 60	MOORETOWN RD		-	-	-	-	-	-	0	0	0	0	1084

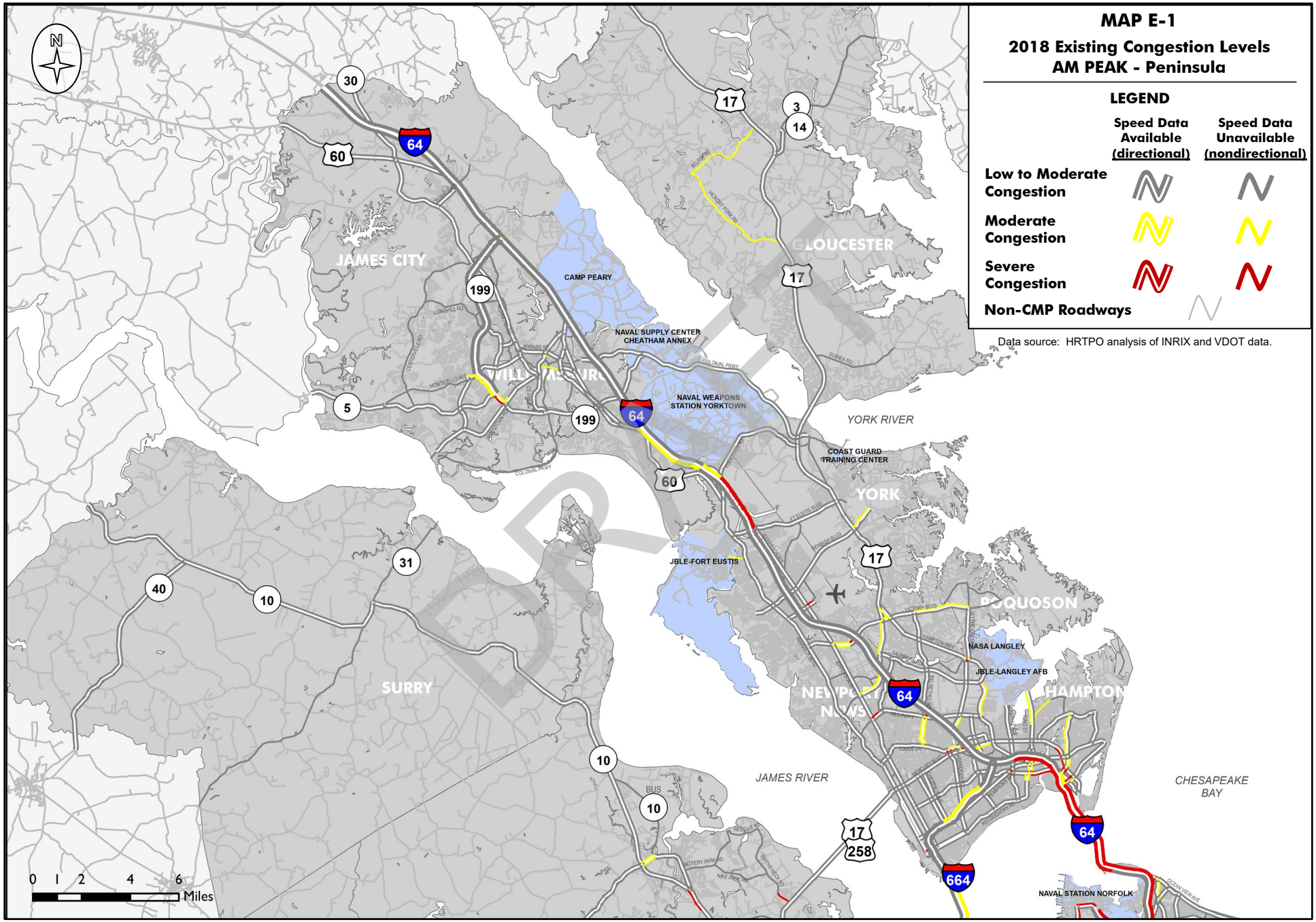
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Appendix D – CMP Segment Scores

APPENDIX E

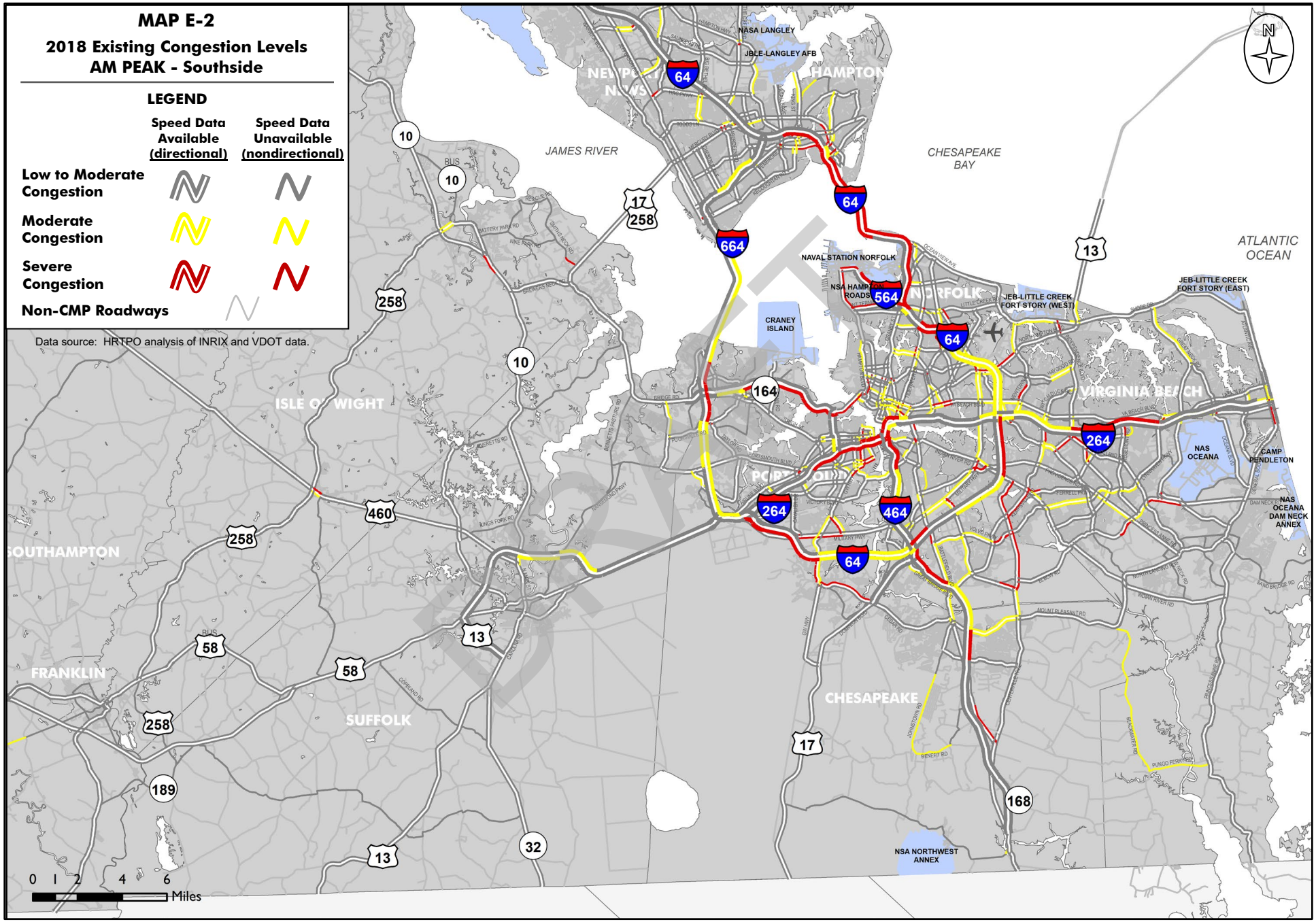
CONGESTION MANAGEMENT PROCESS MAPS

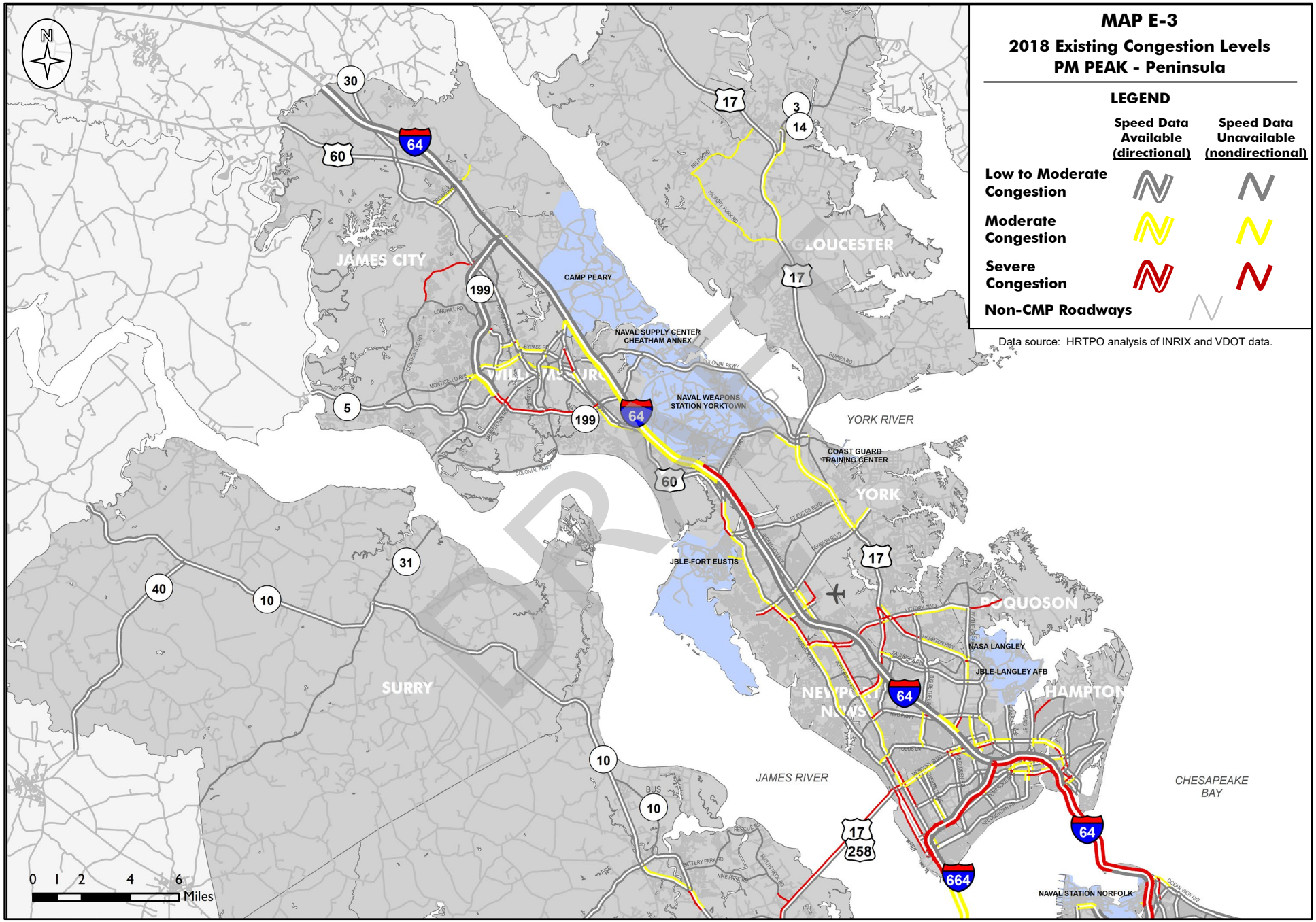
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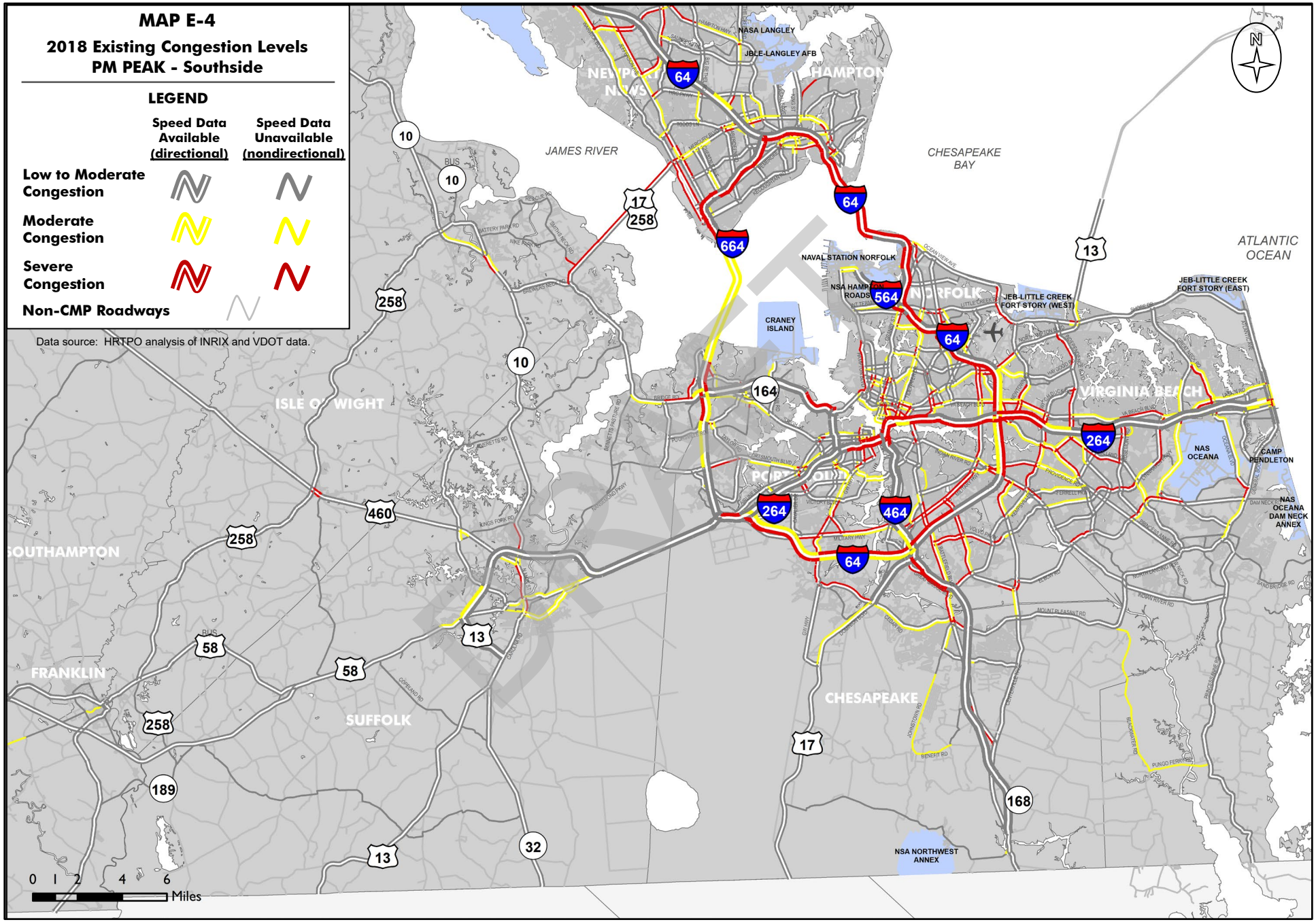

MAP E-1
2018 Existing Congestion Levels
AM PEAK - Peninsula
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
COAST GUARD TRAINING CENTER
YORK
YORK RIVER
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT

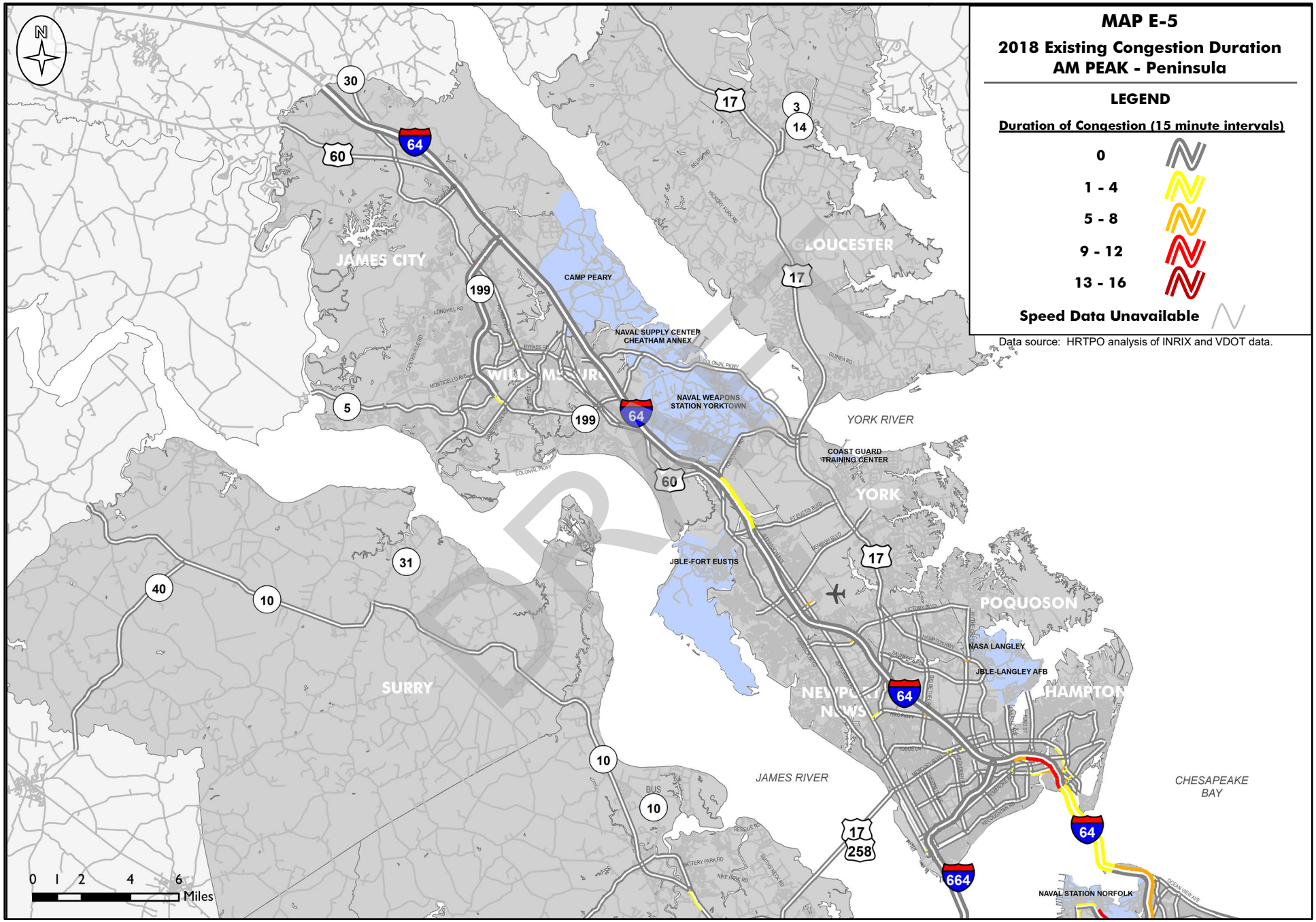
MAP E-2

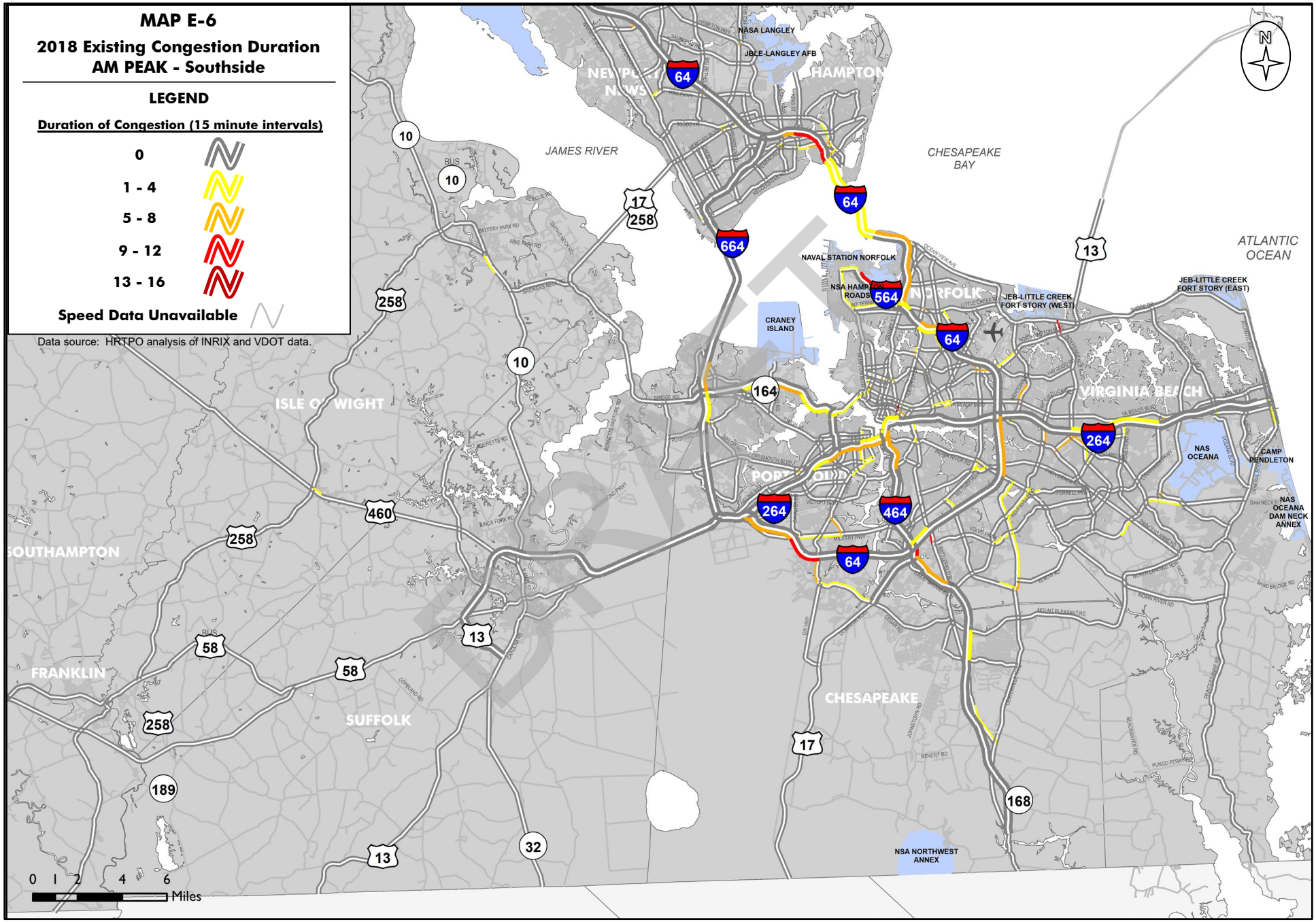
2018 Existing Congestion Levels
AM PEAK - Southside

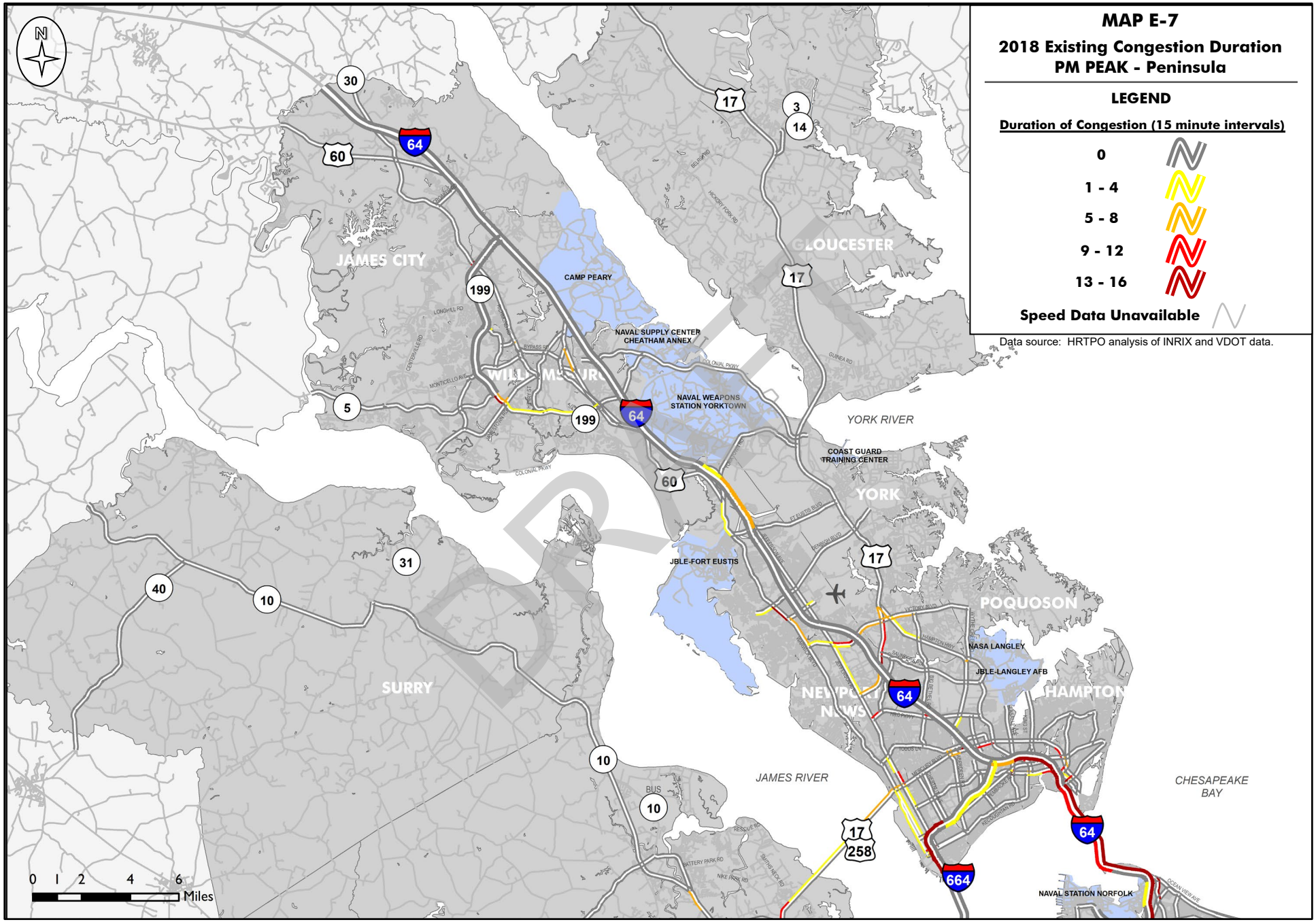



MAP E-3
2018 Existing Congestion Levels
PM PEAK - Peninsula
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
YORK RIVER
SURRY
JAMES RIVER
CHESAPEAKE BAY
NASA LANGLEY
JBLE-LANGLEY AFB
NAVAL STATION NORFOLK
0 1 2 4 6 Miles


MAP E-4
2018 Existing Congestion Levels
PM PEAK - Southside
LEGEND
Speed Data Available (directional)
Speed Data Unavailable (nondirectional)
Low to Moderate Congestion
Moderate Congestion
Severe Congestion
Non-CMP Roadways
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
0 1 2 4 6
Miles

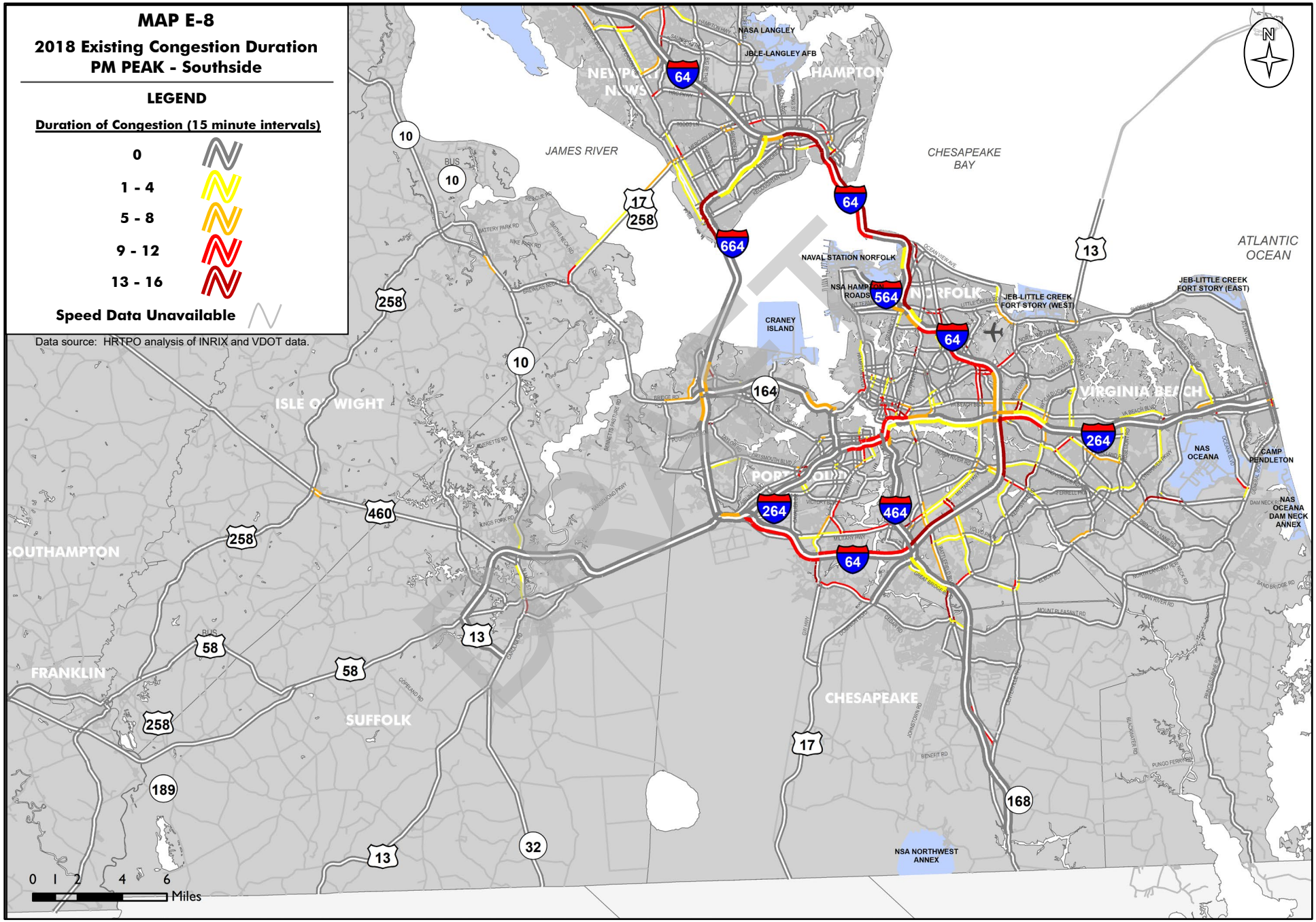

MAP E-5
2018 Existing Congestion Duration
AM PEAK - Peninsula
LEGEND
Duration of Congestion (15 minute intervals)
0
1 - 4
5 - 8
9 - 12
13 - 16
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles

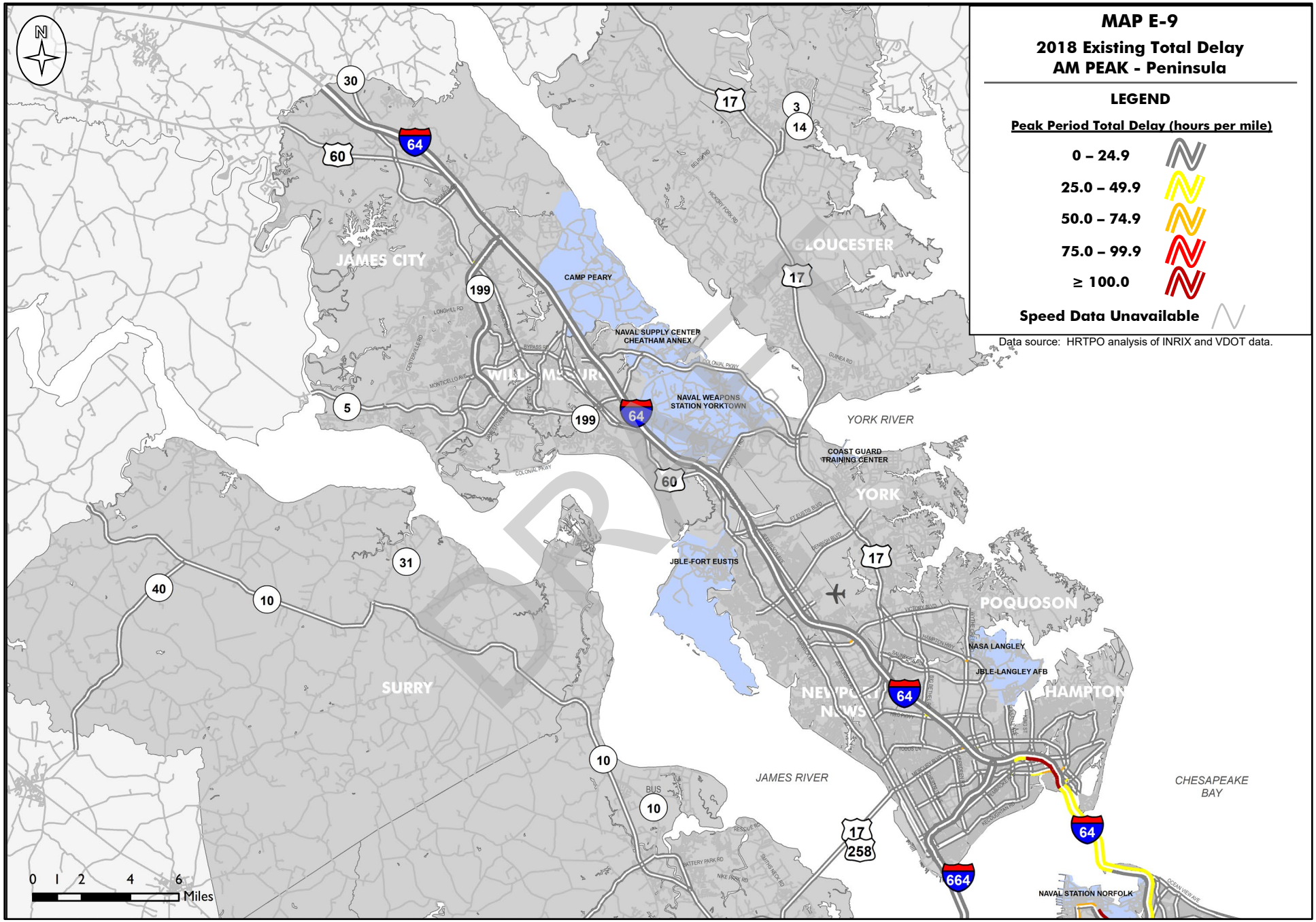

MAP E-6
2018 Existing Congestion Duration
AM PEAK - Southside
LEGEND
Duration of Congestion (15 minute intervals)
0
1 - 4
5 - 8
9 - 12
13 - 16
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
64
664
564
264
464
10
17
258
13
460
58
189
32
168
164
0 1 2 4 6
Miles
N

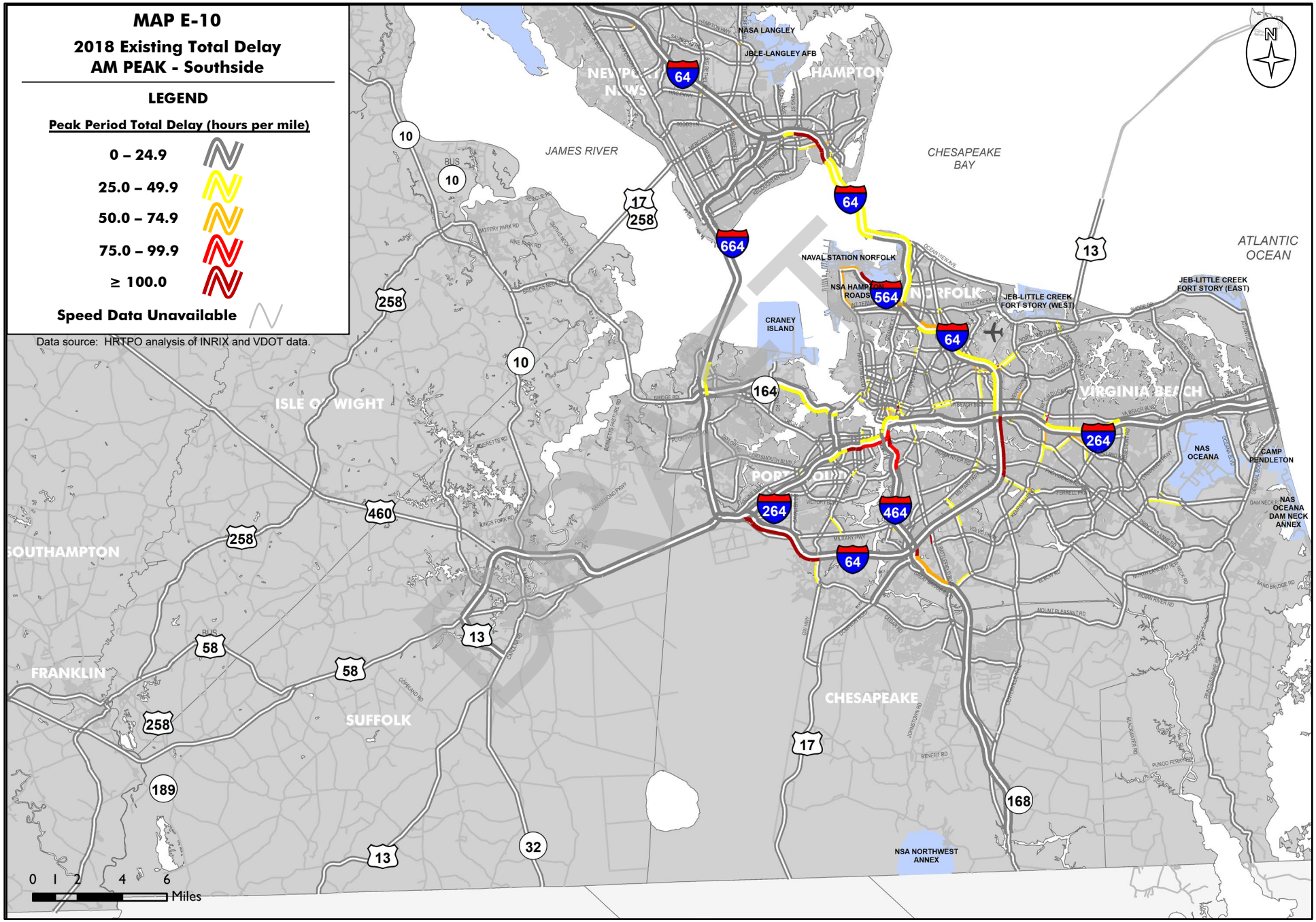

MAP E-7
2018 Existing Congestion Duration
PM PEAK - Peninsula
LEGEND
Duration of Congestion (15 minute intervals)
0
1 - 4
5 - 8
9 - 12
13 - 16
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT

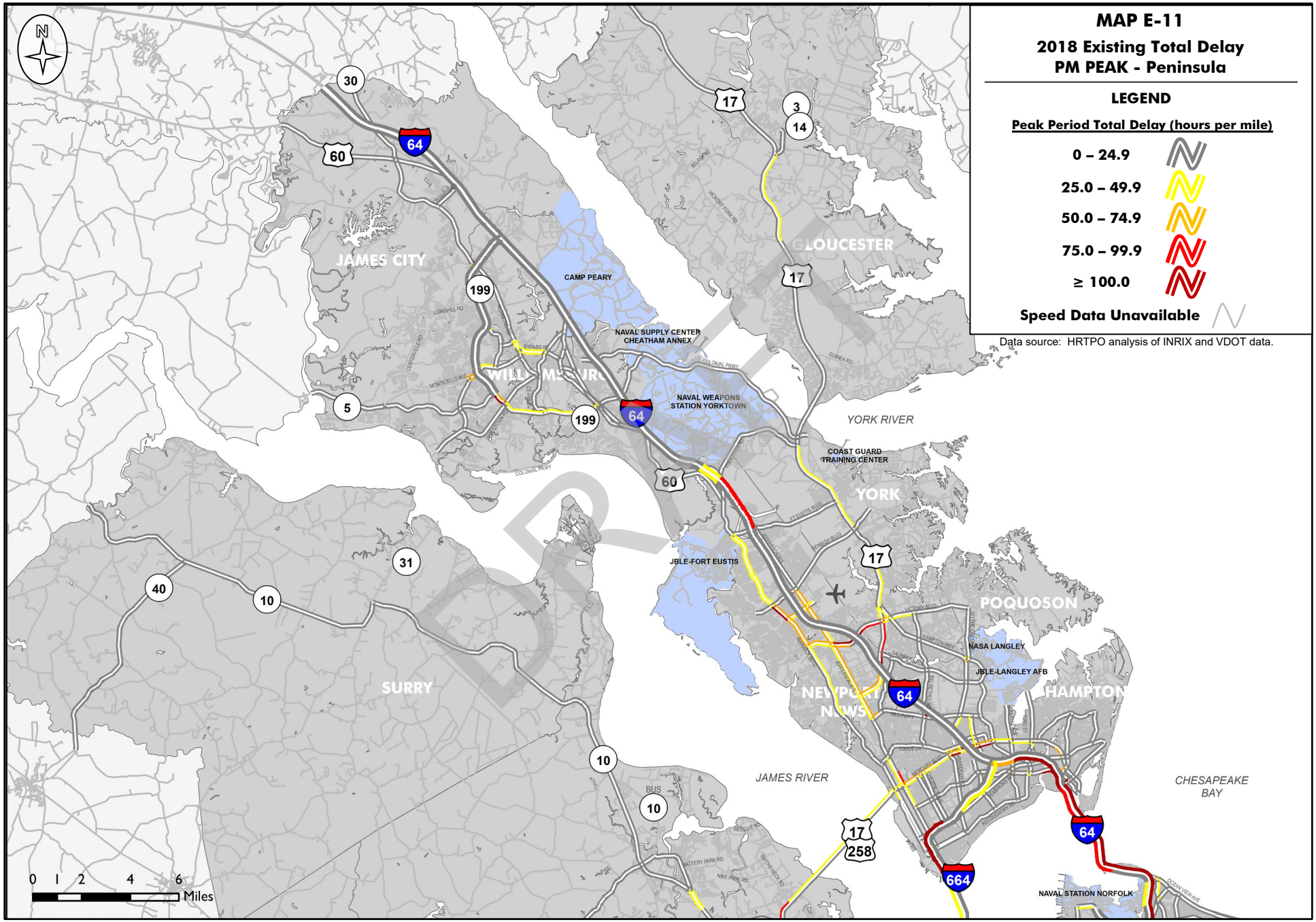
MAP E-8

2018 Existing Congestion Duration PM PEAK - Southside




MAP E-9
2018 Existing Total Delay
AM PEAK - Peninsula
LEGEND
Peak Period Total Delay (hours per mile)
0 – 24.9
25.0 – 49.9
50.0 – 74.9
75.0 – 99.9
≥ 100.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT


MAP E-10
2018 Existing Total Delay
AM PEAK - Southside
LEGEND
Peak Period Total Delay (hours per mile)
0 – 24.9
25.0 – 49.9
50.0 – 74.9
75.0 – 99.9
≥ 100.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
64
664
564
264
464
10
17
258
13
460
58
189
168
32
164
0 1 2 4 6
Miles
N


MAP E-11
2018 Existing Total Delay
PM PEAK - Peninsula
LEGEND
Peak Period Total Delay (hours per mile)
0 – 24.9
25.0 – 49.9
50.0 – 74.9
75.0 – 99.9
≥ 100.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
COAST GUARD TRAINING CENTER
YORK RIVER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
NEWPORT NEWS
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles

MAP E-12

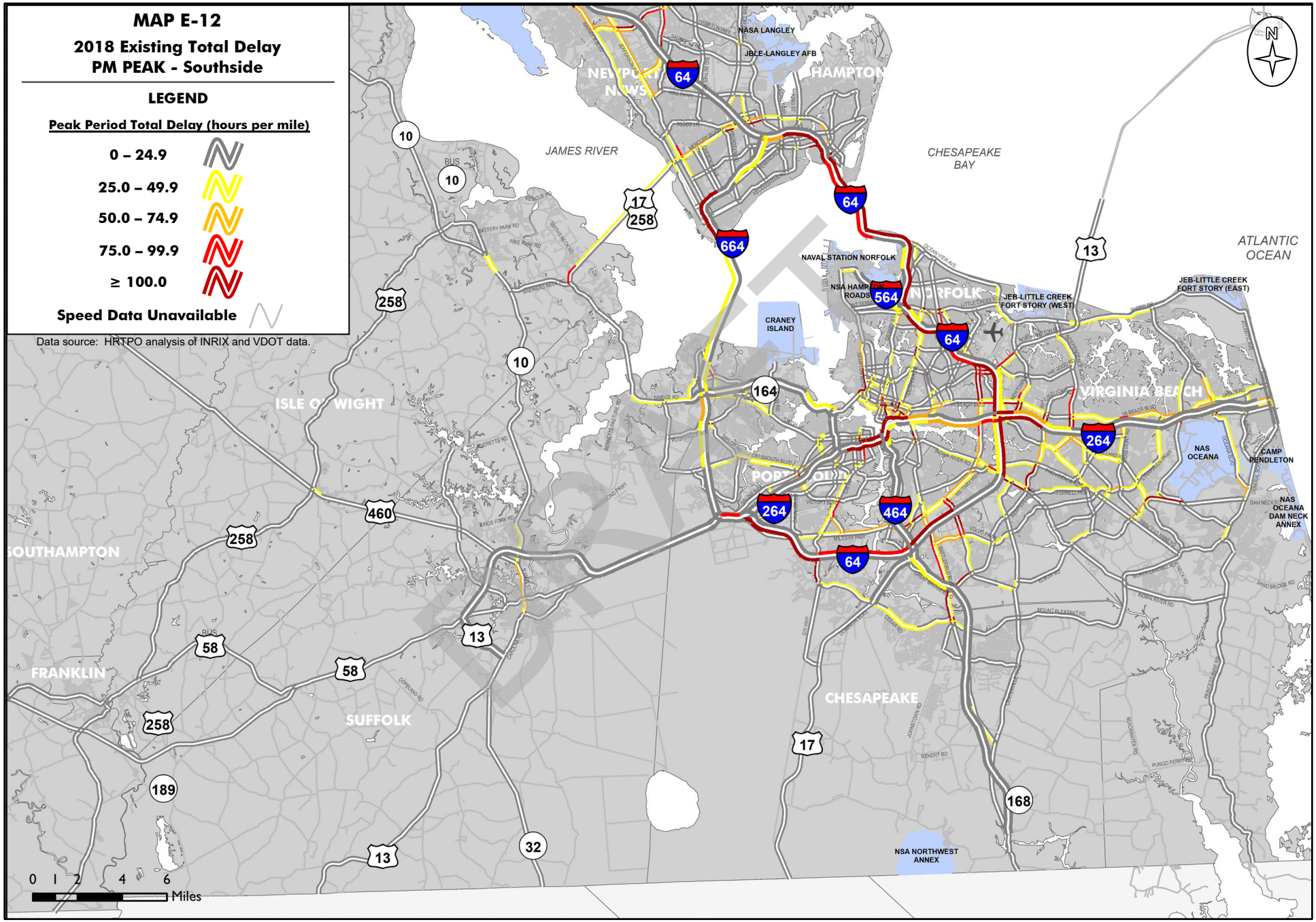
2018 Existing Total Delay
PM PEAK - Southside

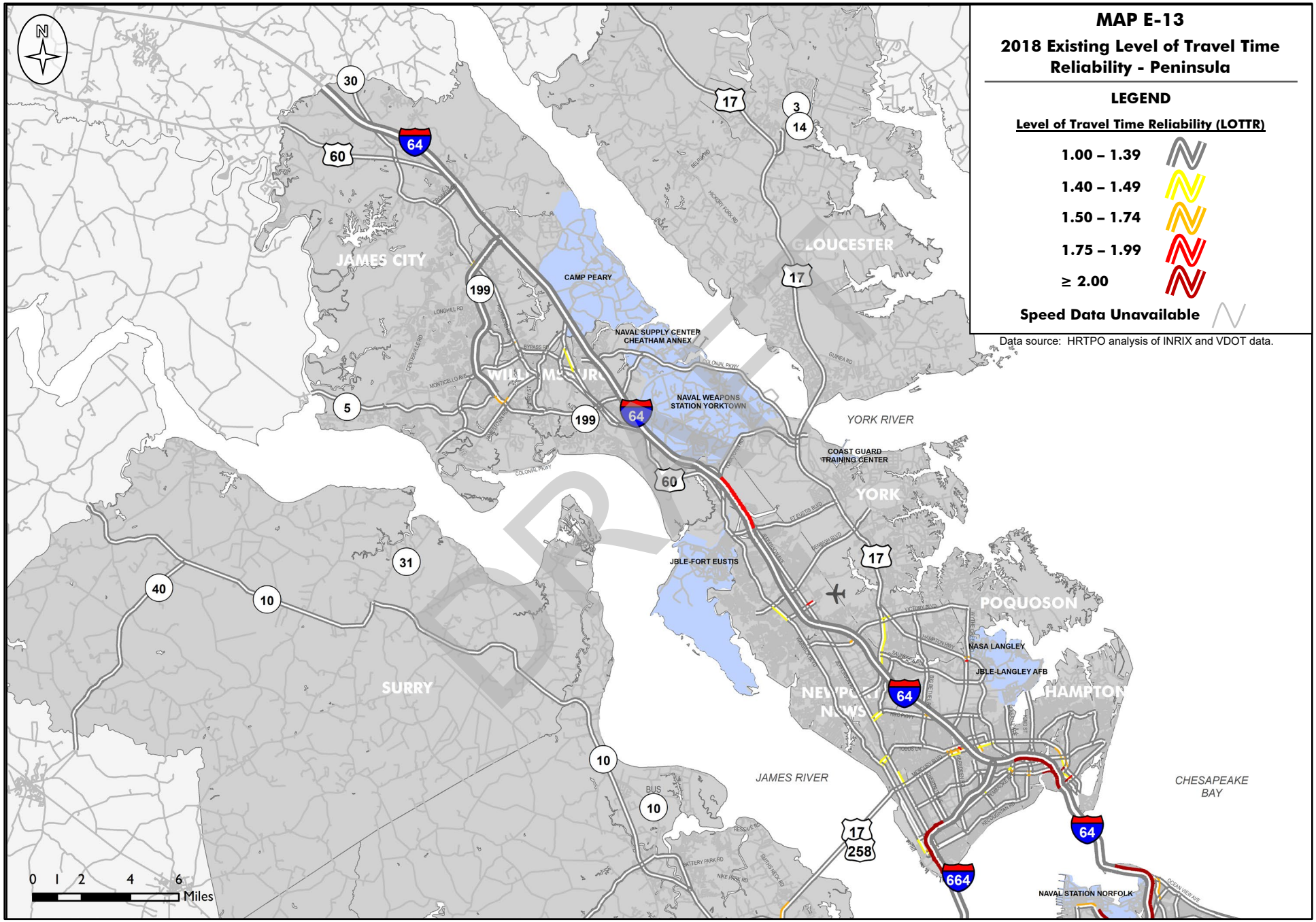
LEGEND

Peak Period Total Delay (hours per mile)

- 0 – 24.9
- 25.0 – 49.9
- 50.0 – 74.9
- 75.0 – 99.9
- ≥ 100.0
- Speed Data Unavailable

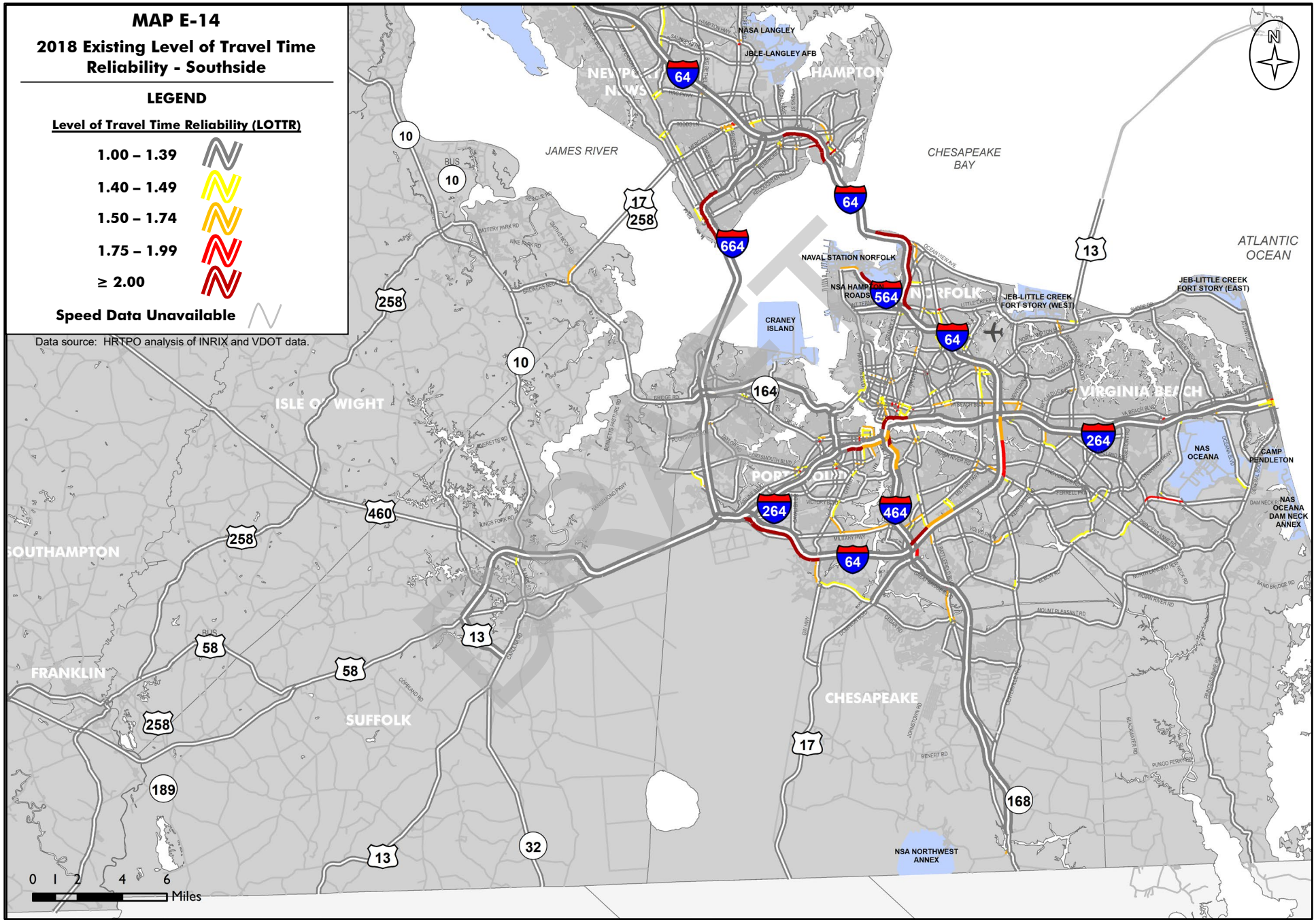
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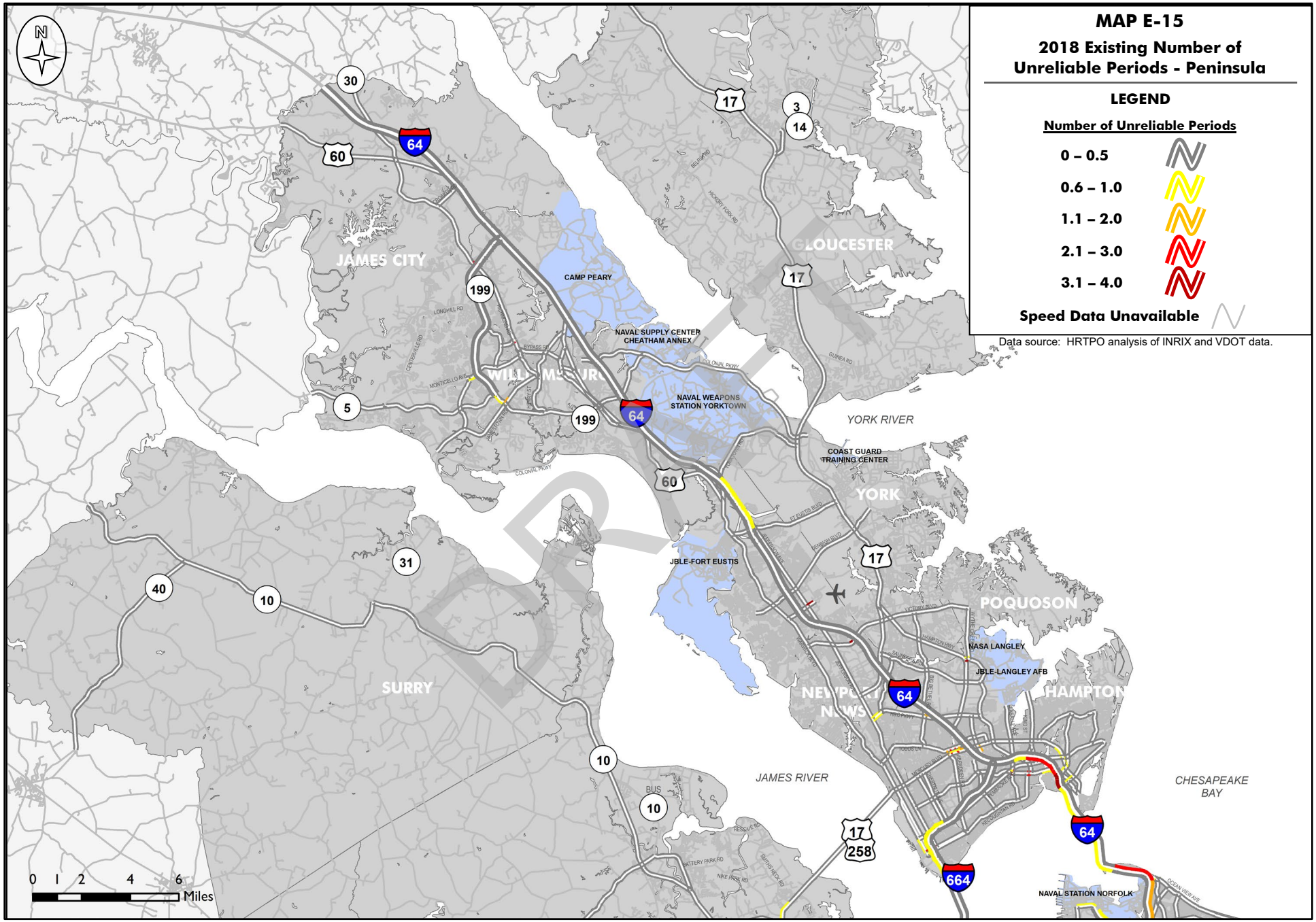



MAP E-13
2018 Existing Level of Travel Time Reliability - Peninsula
LEGEND
Level of Travel Time Reliability (LOTTR)
1.00 – 1.39
1.40 – 1.49
1.50 – 1.74
1.75 – 1.99
≥ 2.00
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT

MAP E-14

2018 Existing Level of Travel Time Reliability - Southside




MAP E-15
2018 Existing Number of Unreliable Periods - Peninsula
LEGEND
Number of Unreliable Periods
0 – 0.5
0.6 – 1.0
1.1 – 2.0
2.1 – 3.0
3.1 – 4.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
COAST GUARD TRAINING CENTER
YORK RIVER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles

MAP E-16

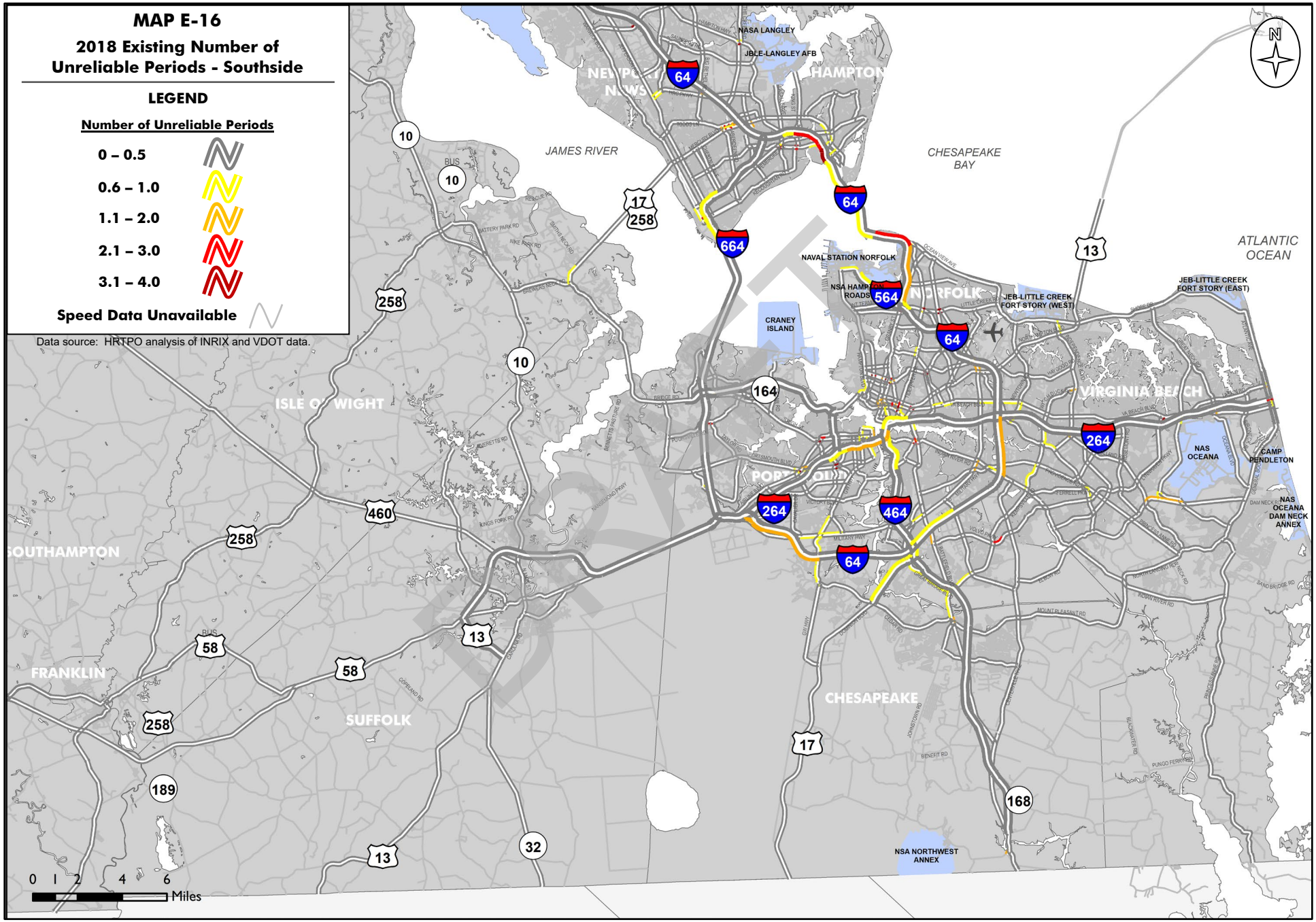
2018 Existing Number of Unreliable Periods - Southside

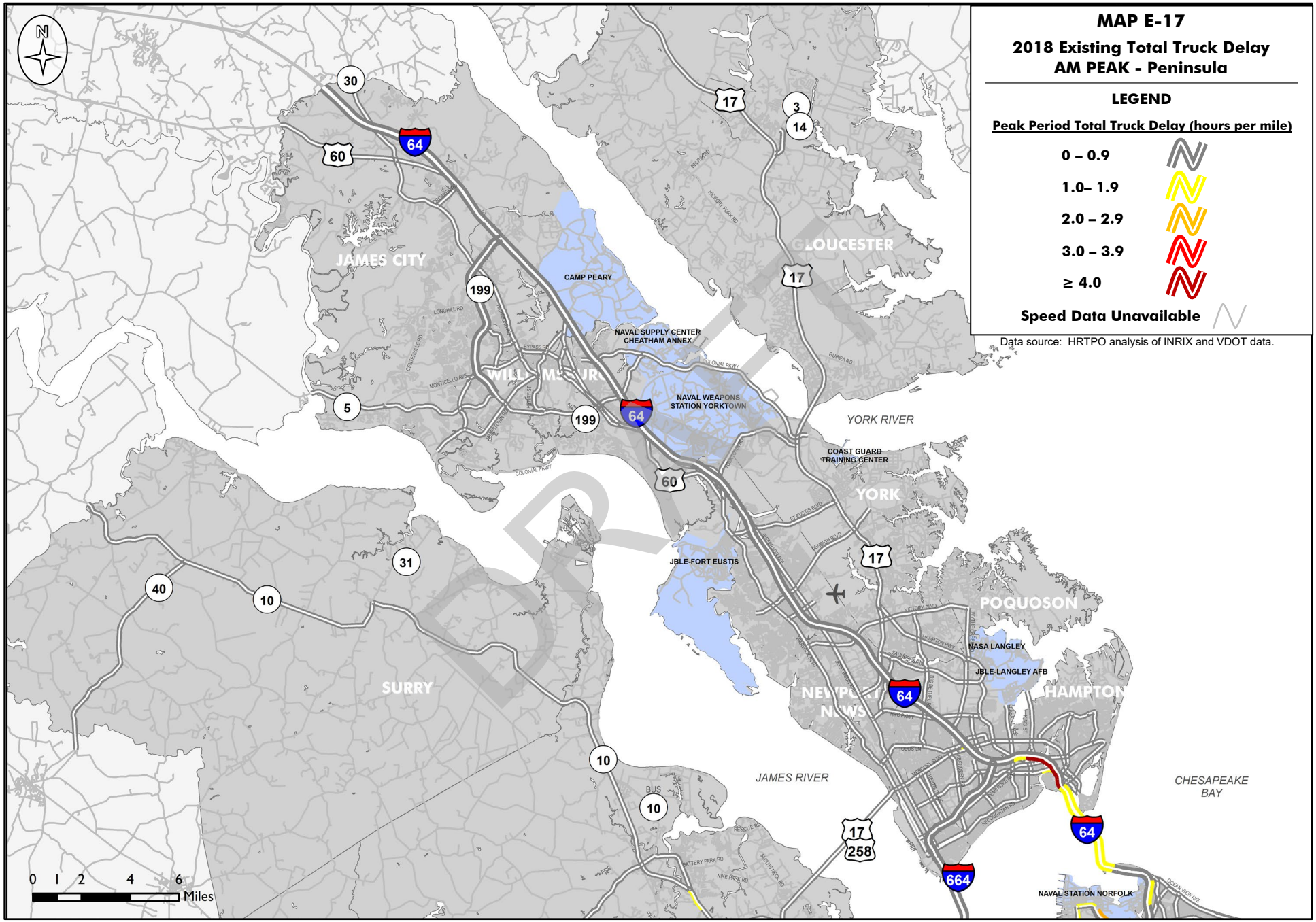
LEGEND

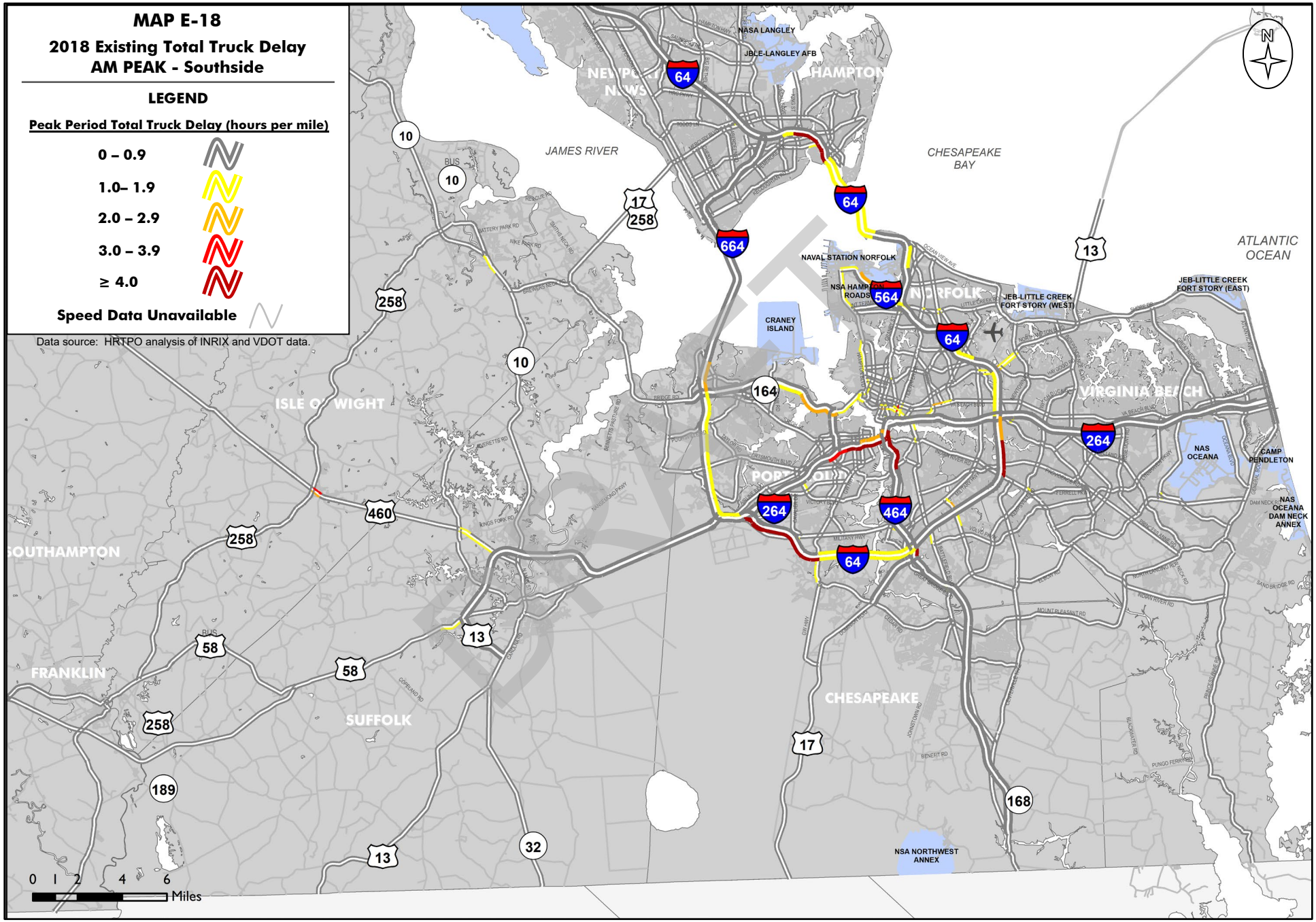
Number of Unreliable Periods

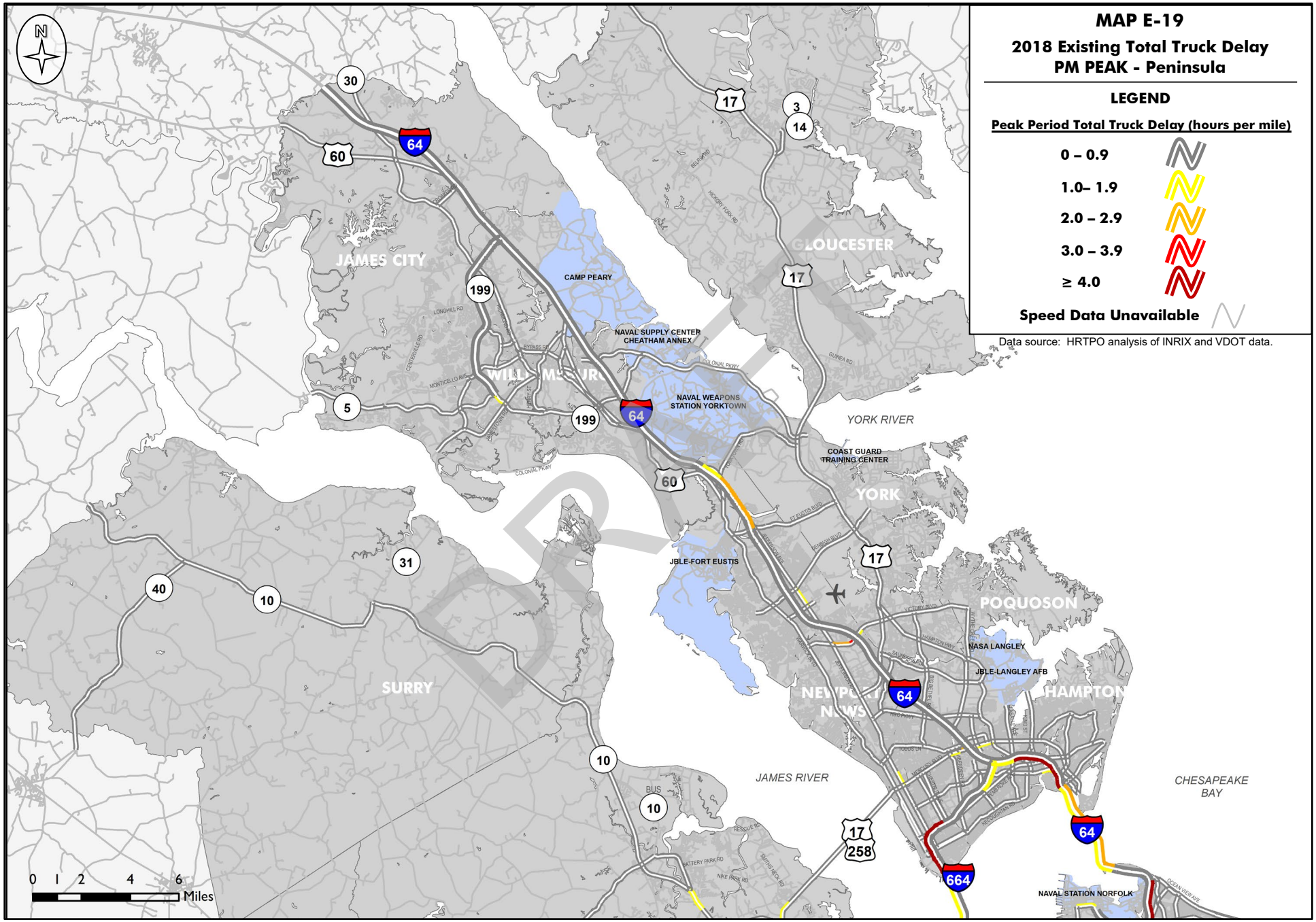
- 0 – 0.5
- 0.6 – 1.0
- 1.1 – 2.0
- 2.1 – 3.0
- 3.1 – 4.0
- Speed Data Unavailable

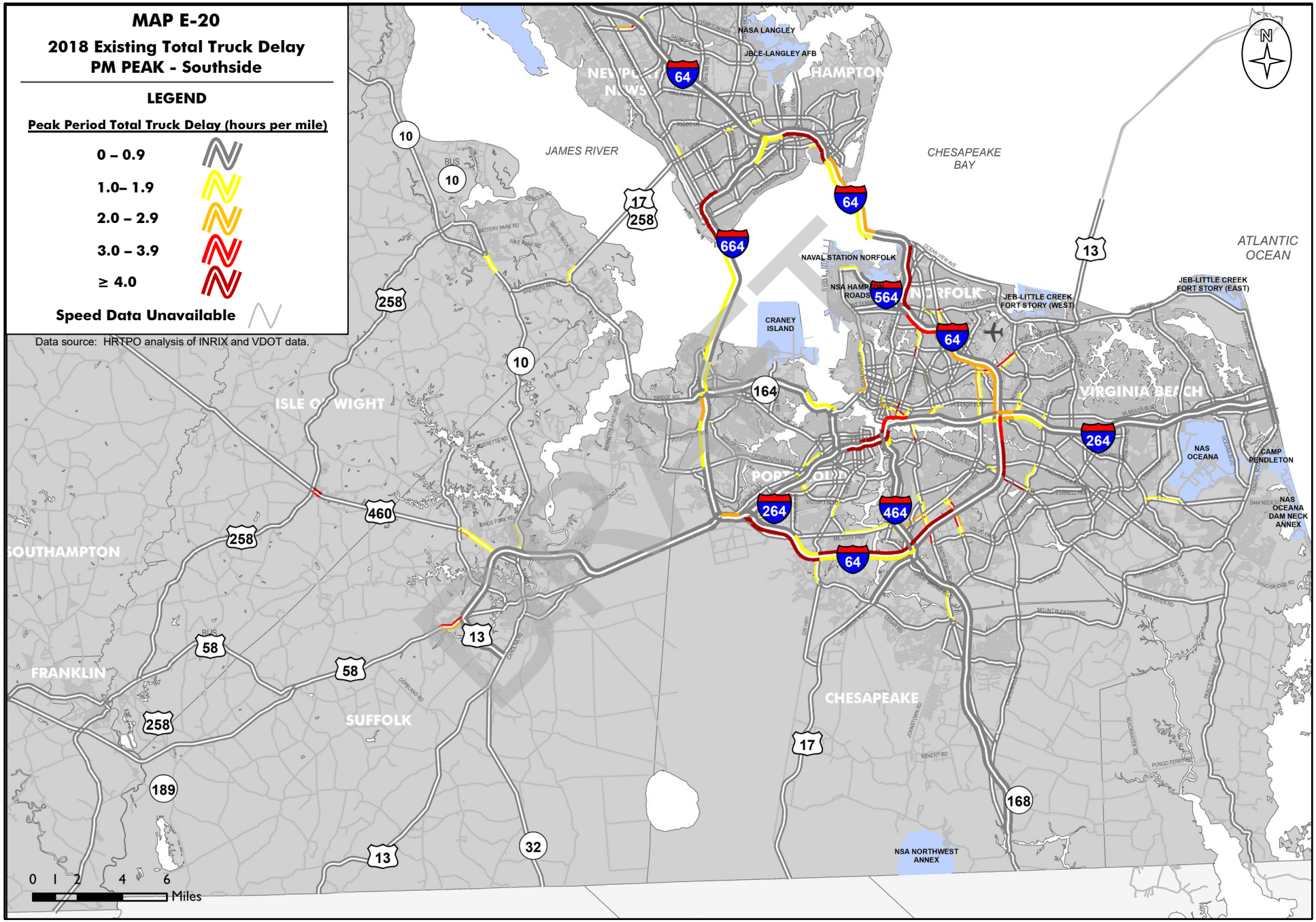
Data source: HRTPO analysis of INRIX and VDOT data.

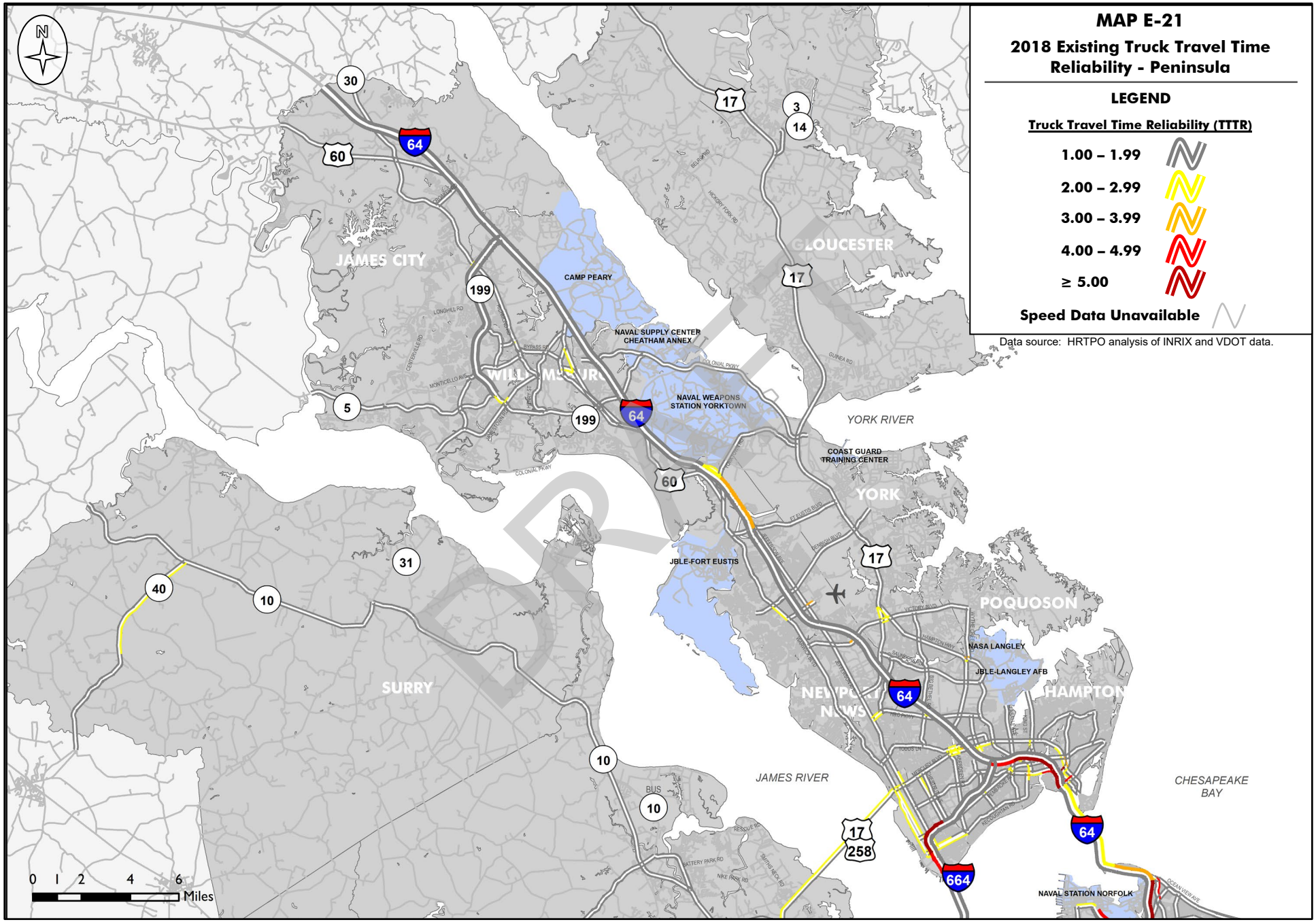



MAP E-17
2018 Existing Total Truck Delay
AM PEAK - Peninsula
LEGEND
Peak Period Total Truck Delay (hours per mile)
0 – 0.9
1.0– 1.9
2.0 – 2.9
3.0 – 3.9
≥ 4.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT


MAP E-18
2018 Existing Total Truck Delay
AM PEAK - Southside
LEGEND
Peak Period Total Truck Delay (hours per mile)
0 – 0.9
1.0– 1.9
2.0 – 2.9
3.0 – 3.9
≥ 4.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
0 1 2 4 6
Miles
N
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
64
664
564
264
464
164
460
58
189
168
10
17
258
13
32


MAP E-19
2018 Existing Total Truck Delay
PM PEAK - Peninsula
LEGEND
Peak Period Total Truck Delay (hours per mile)
0 – 0.9
1.0– 1.9
2.0 – 2.9
3.0 – 3.9
≥ 4.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT


MAP E-20
2018 Existing Total Truck Delay
PM PEAK - Southside
LEGEND
Peak Period Total Truck Delay (hours per mile)
0 – 0.9
1.0– 1.9
2.0 – 2.9
3.0 – 3.9
≥ 4.0
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES RIVER
CHESAPEAKE BAY
ATLANTIC OCEAN
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
NEWPORT NEWS
NAVAL STATION NORFOLK
NSA HAMPTON ROADS
NORFOLK
JEB-LITTLE CREEK FORT STORY (WEST)
JEB-LITTLE CREEK FORT STORY (EAST)
CRANEY ISLAND
VIRGINIA BEACH
NAS OCEANA
CAMP PENDLETON
NAS OCEANA DAM NECK ANNEX
PORTSMOUTH
ISLE OF WIGHT
SOUTHAMPTON
FRANKLIN
SUFFOLK
CHESAPEAKE
NSA NORTHWEST ANNEX
64
664
564
264
464
10
17
258
13
460
58
189
168
32
164
0 1 2 4 6
Miles
N


MAP E-21
2018 Existing Truck Travel Time Reliability - Peninsula
LEGEND
Truck Travel Time Reliability (TTTR)
1.00 – 1.99
2.00 – 2.99
3.00 – 3.99
4.00 – 4.99
≥ 5.00
Speed Data Unavailable
Data source: HRTPO analysis of INRIX and VDOT data.
JAMES CITY
CAMP PEARY
NAVAL SUPPLY CENTER CHEATHAM ANNEX
NAVAL WEAPONS STATION YORKTOWN
YORK RIVER
COAST GUARD TRAINING CENTER
YORK
JBLE-FORT EUSTIS
POQUOSON
NASA LANGLEY
JBLE-LANGLEY AFB
HAMPTON
SURRY
JAMES RIVER
CHESAPEAKE BAY
NAVAL STATION NORFOLK
0 1 2 4 6 Miles
DRAFT

MAP E-22

2018 Existing Truck Travel Time Reliability - Southside

