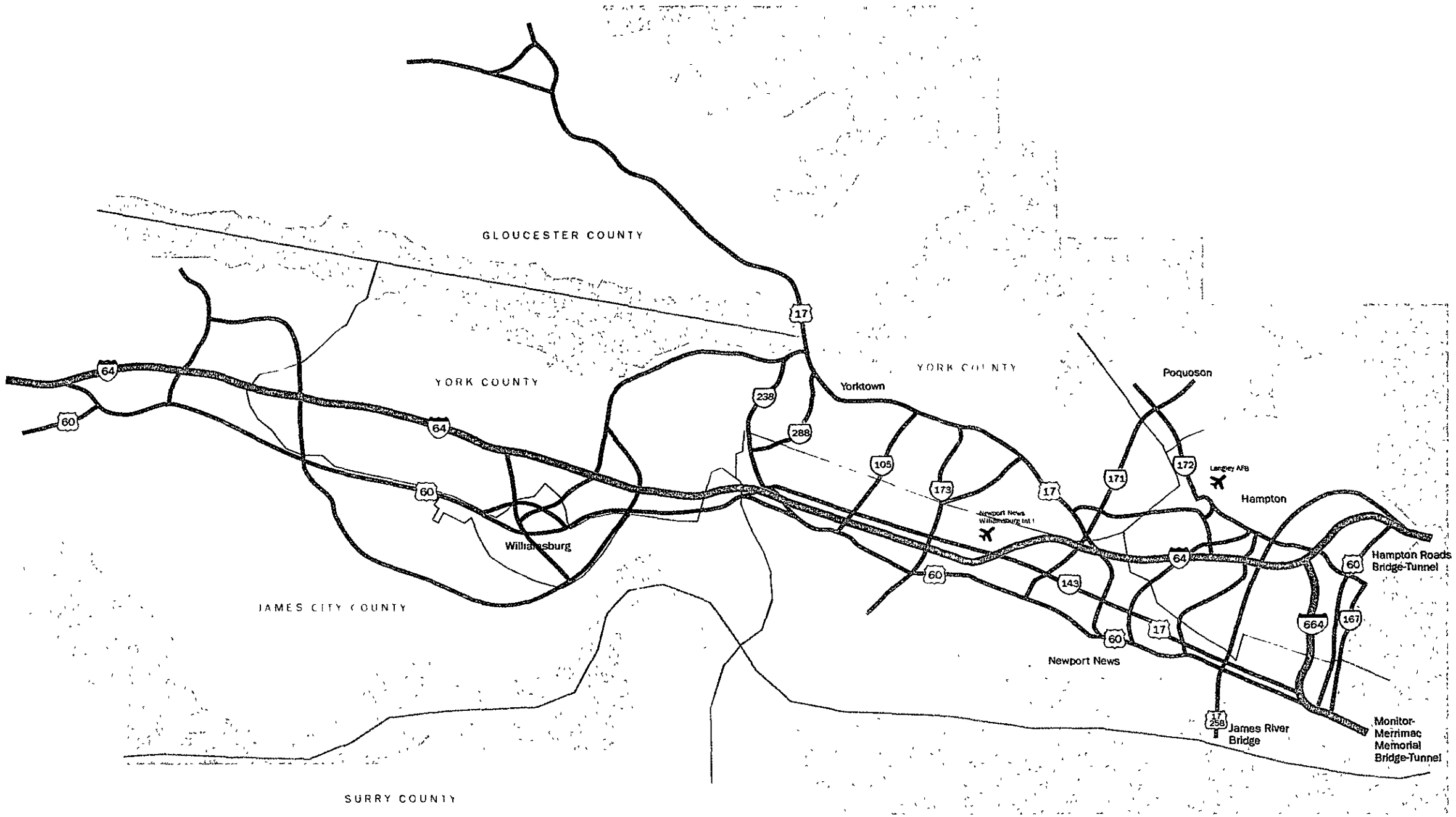
# APPENDIX C

# "COMPARE" AREA DISPLAY MAPS

Map 1 (1 of 2)

# Regional Highway System
# Virginia Peninsula




North

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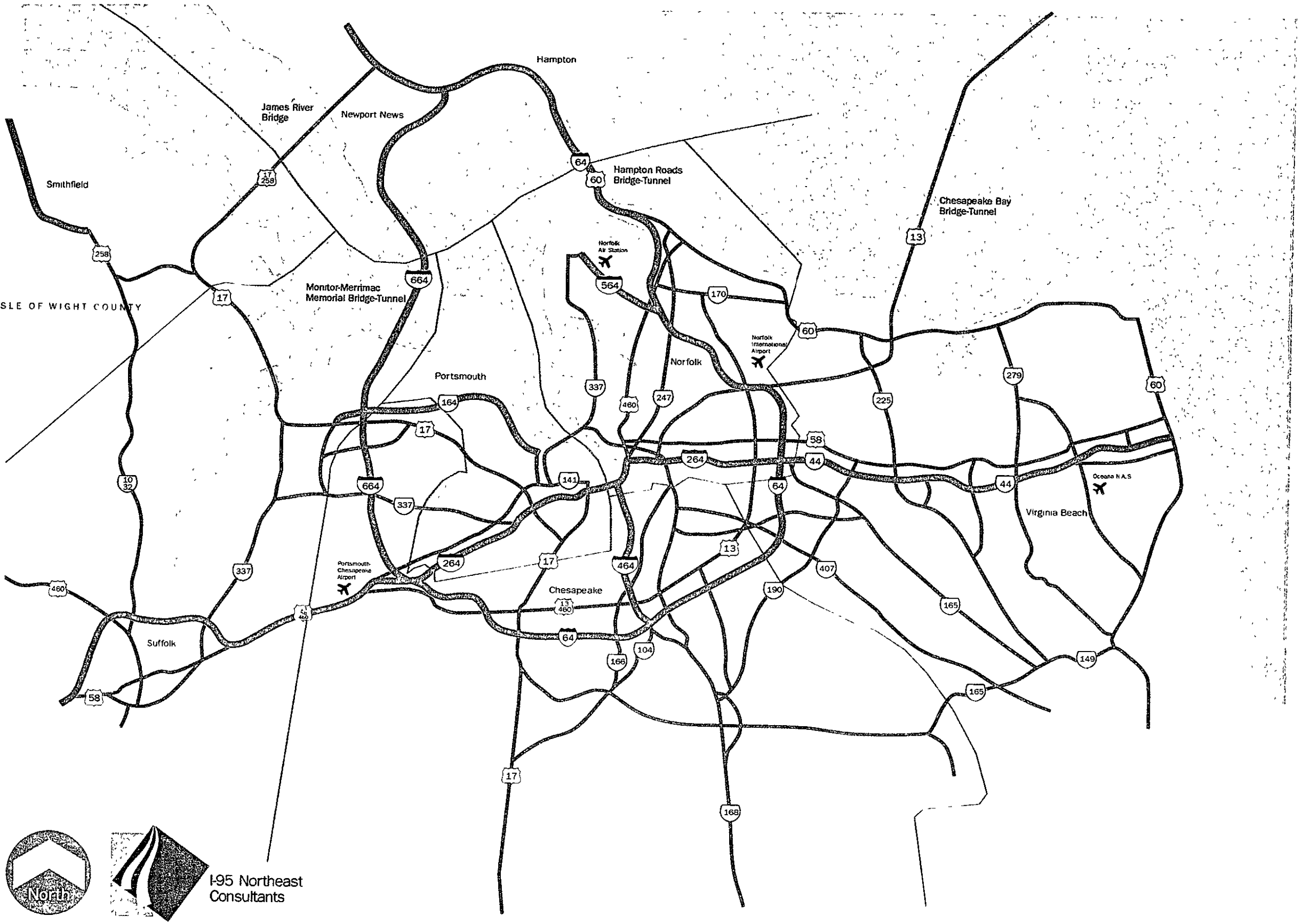
Map 1 (2 of 2)

# Regional Highway System
# South Hampton Roads

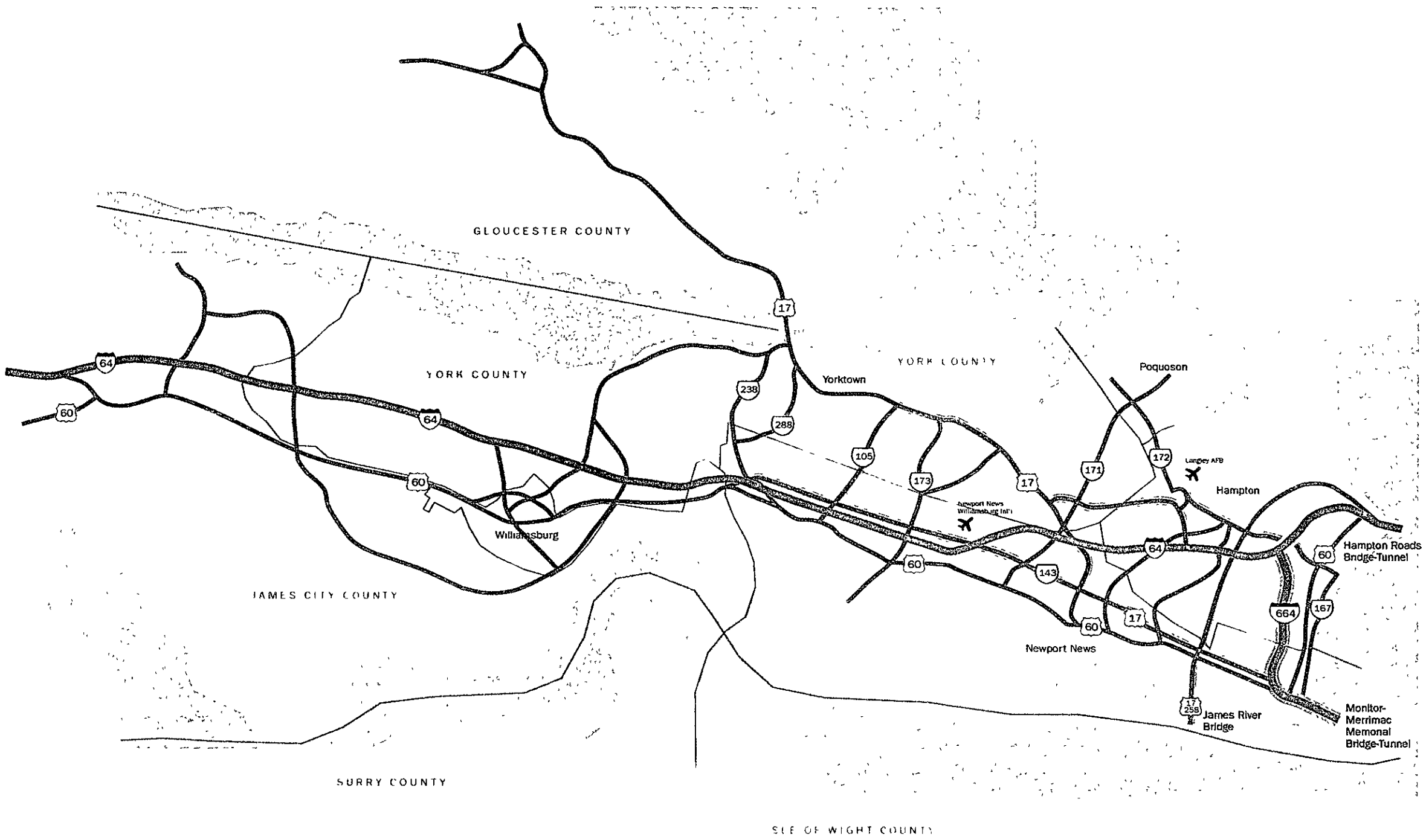


Map 2 (1 of 2)

# Level of Service
# Virginia Peninsula

Segments with
LOS A, B, or C

Segments with
LOS D, E, or F

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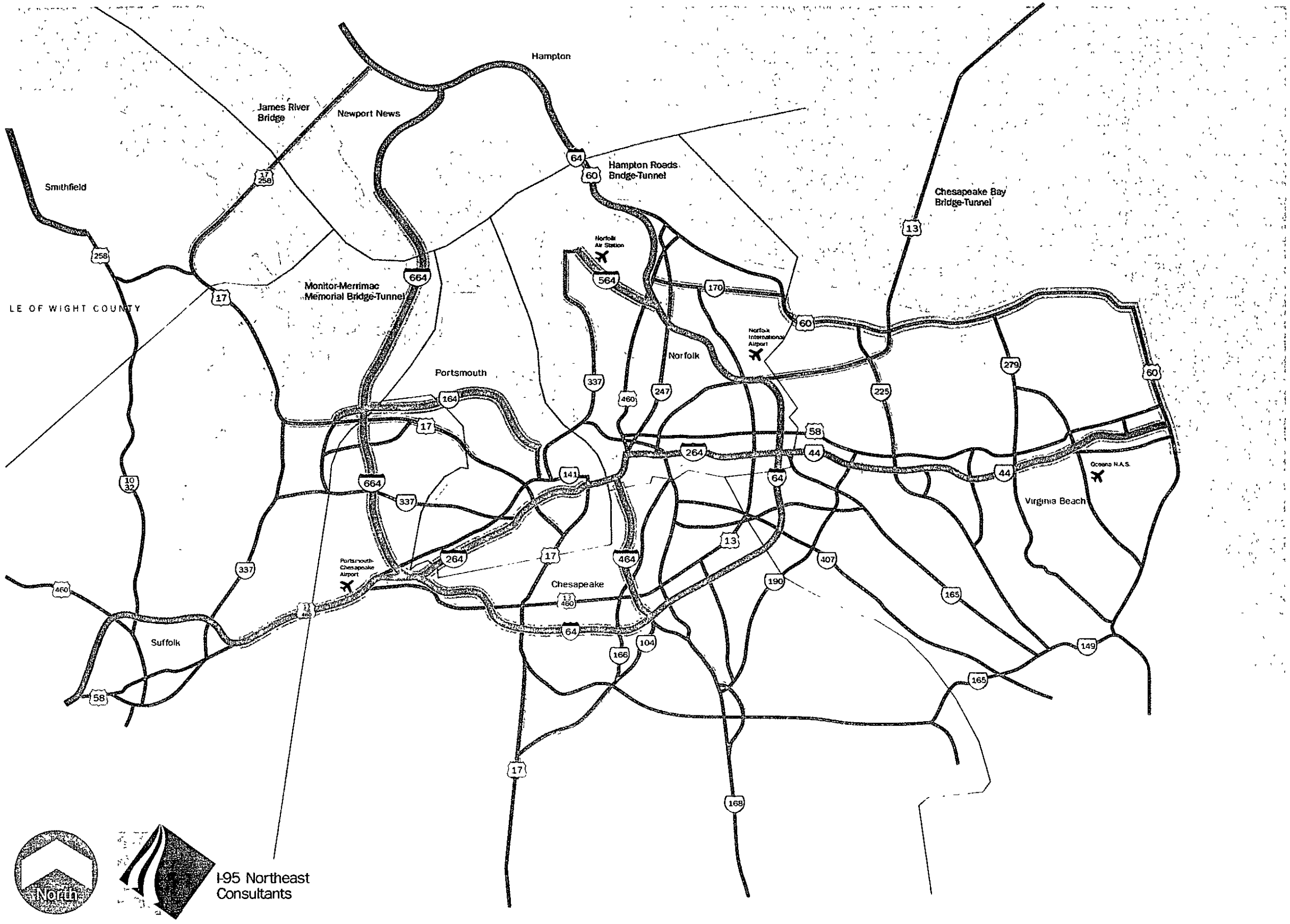
Map 2 (2 of 2)

# Level of Service
# South Hampton Roads

Segments with
LOS A, B, or C

Segments with
LOS D, E, or F

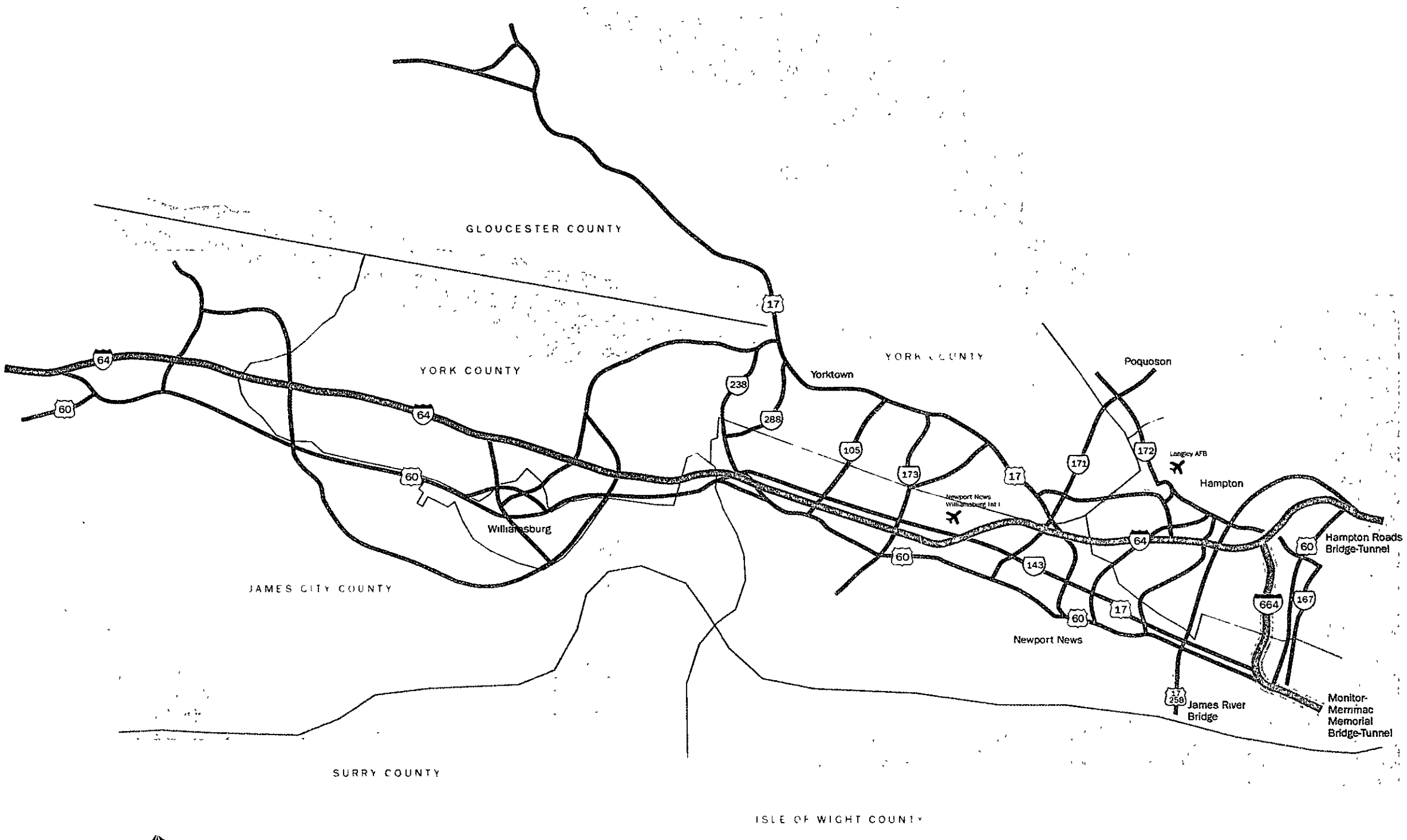


Map 3 (1 of 2)

# Accident Rates
# Virginia Peninsula

Sections with accident rates below the state average

Sections with accident rates at or higher than the state average

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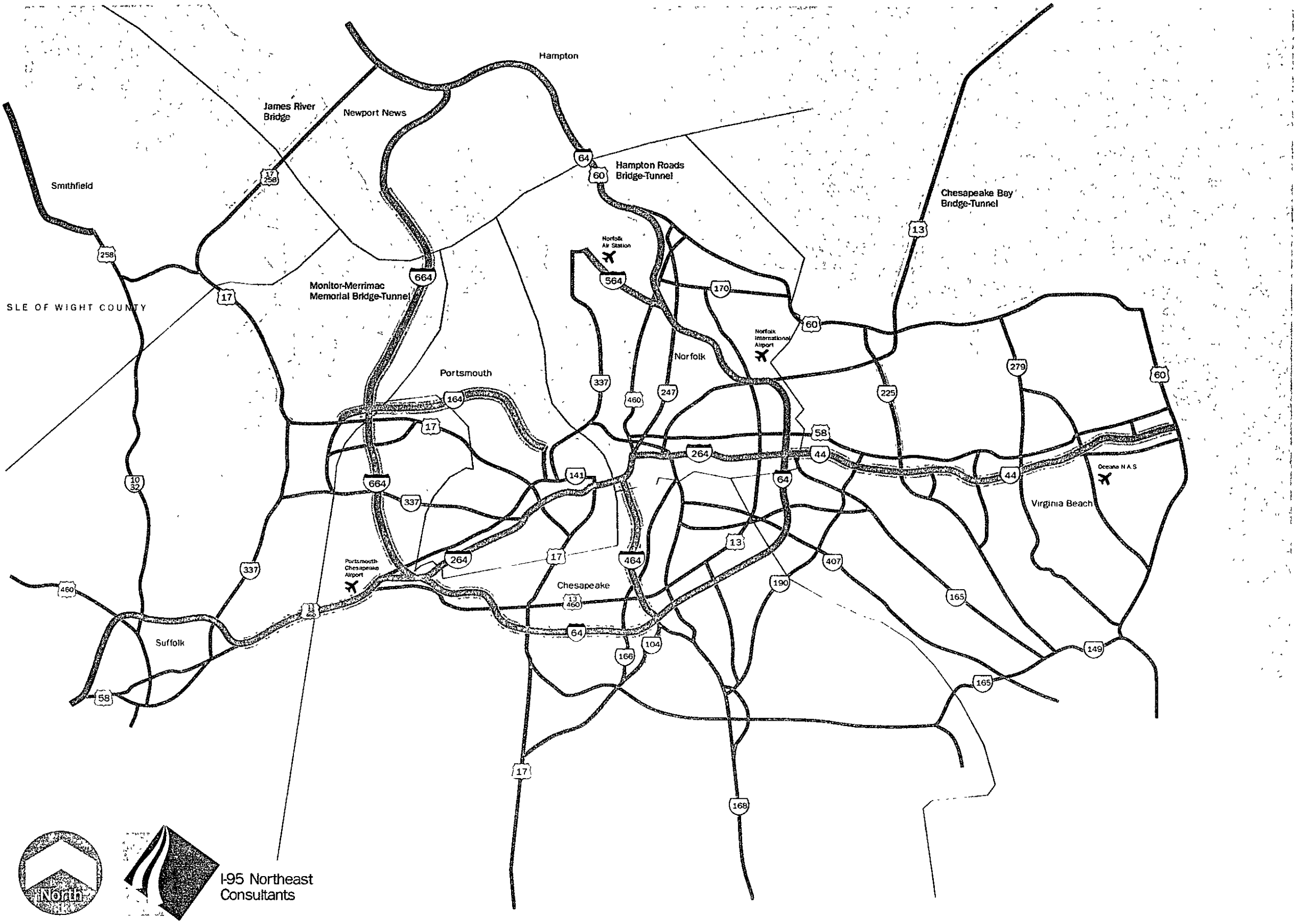
Map 3 (2 of 2)

# Accident Rates
# South Hampton Roads

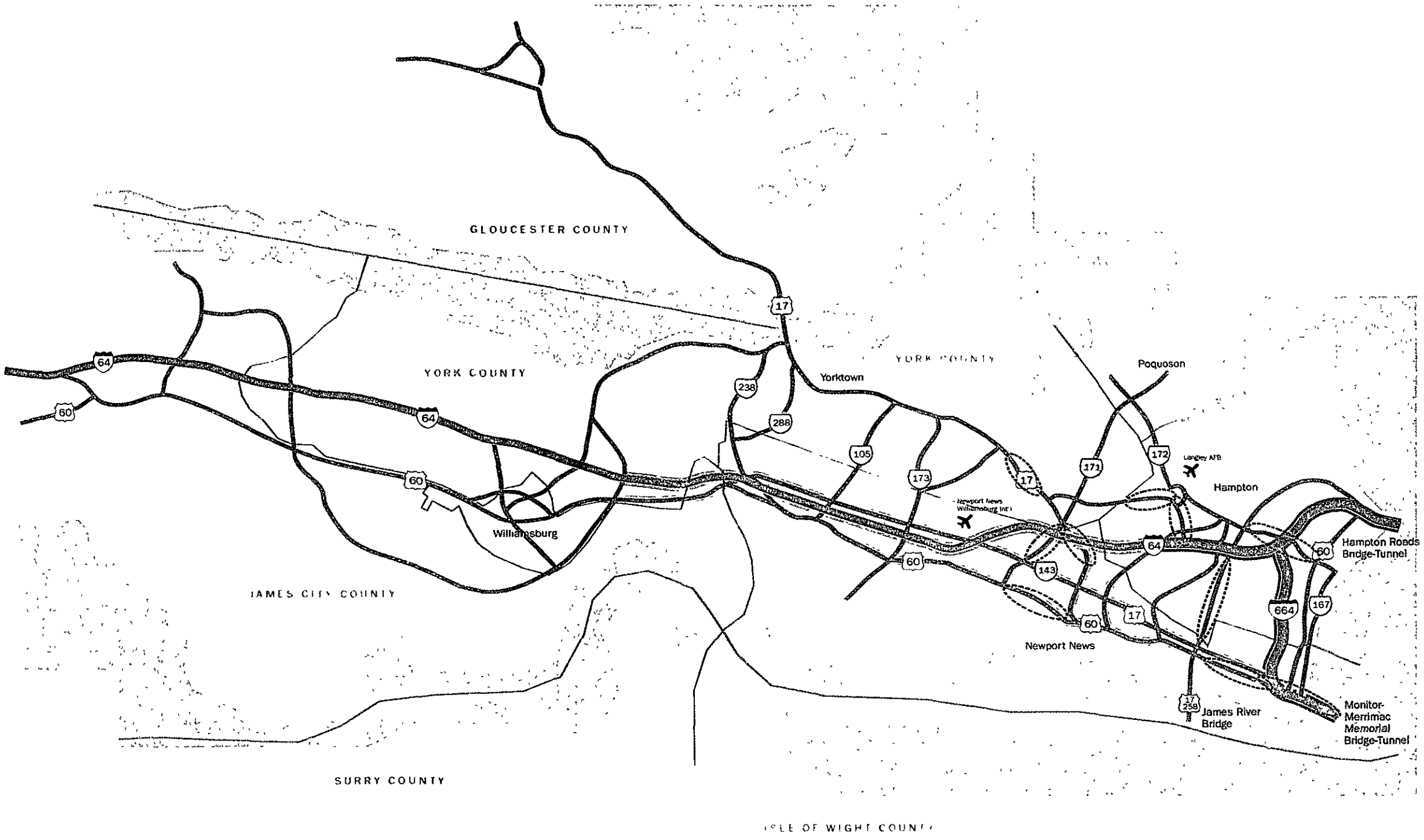
Sections with accident rates below the state average

Sections with accident rates at or higher than the state average



Map 4 (1 of 2)

# ITS Surveillance Plan
# Virginia Peninsula




Existing Surveillance
(detectors with 1/2 mile spacing, vehicular class detection at 1 mile spacing, CCTV)

Planned/Programmed Surveillanc
(detectors with 1/2 mile spacing, vehicular class detection at 1 mile spacing, CCTV)

*Existing/Programmed Surveillance*
(detectors with 1-3 mile spacing, vehicle class detection)

Proposed Detection/Surveillance
(detectors with 1-3 mile spacing, vehicle class detection)

Existing CCTV

Proposed CCTV

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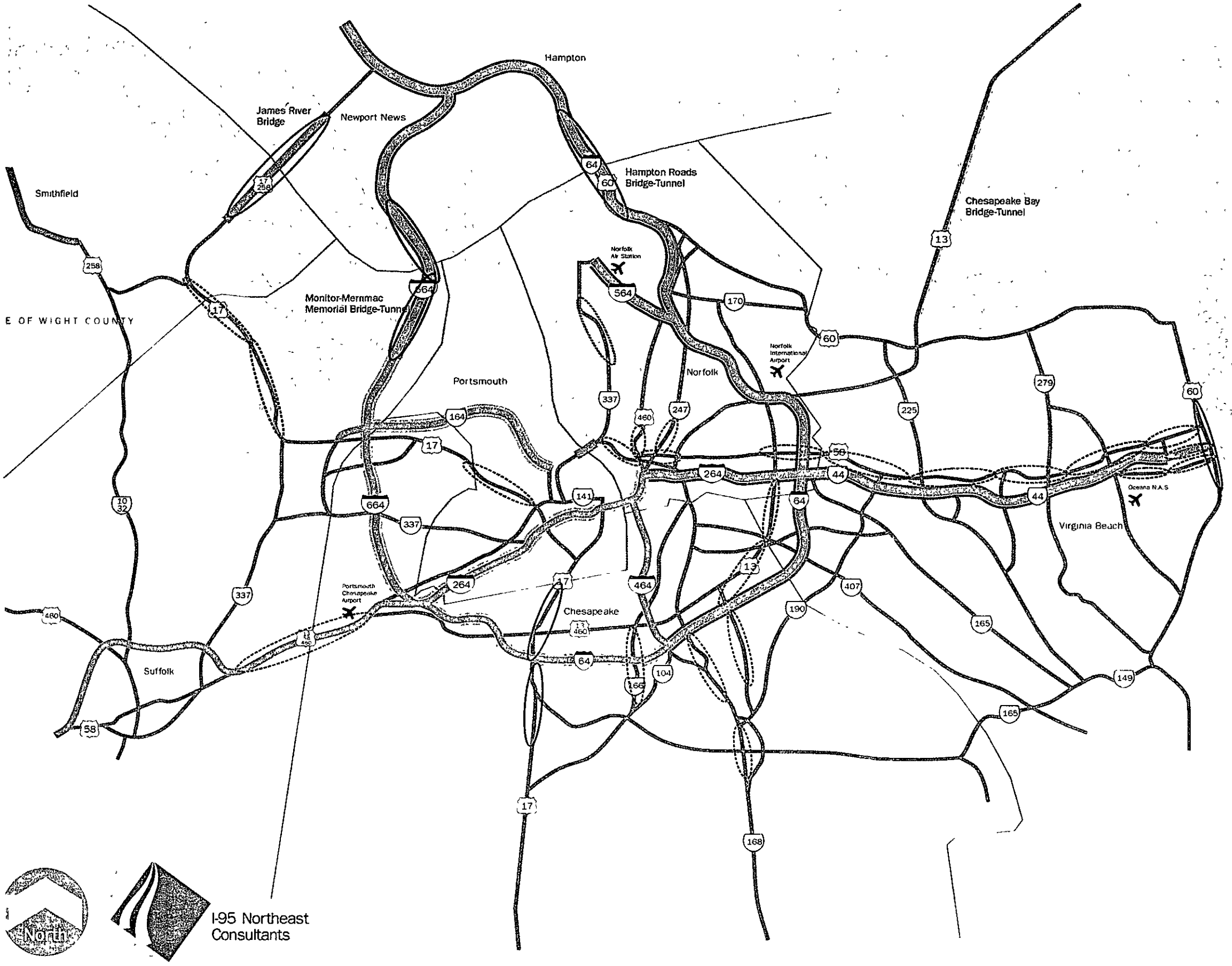
Map 4 (2 of 2)

# ITS Surveillance Plan
# South Hampton Roads




Existing Surveillance
(detectors with 1/2 mile spacing, vehicular class detection at 1 mile spacing, CCTV)

Planned/Programmed Surveillance
(detectors with 1/2 mile spacing, vehicular class detection at 1 mile spacing, CCTV)

Existing/Programmed Surveillance
(detectors with 1-3 mile spacing, vehicle class detection)

Proposed Detection/Surveillance
(detectors with 1-3 mile spacing, vehicle class detection)

Existing CCTV

Proposed CCTV

Map 5 (1 of 2)

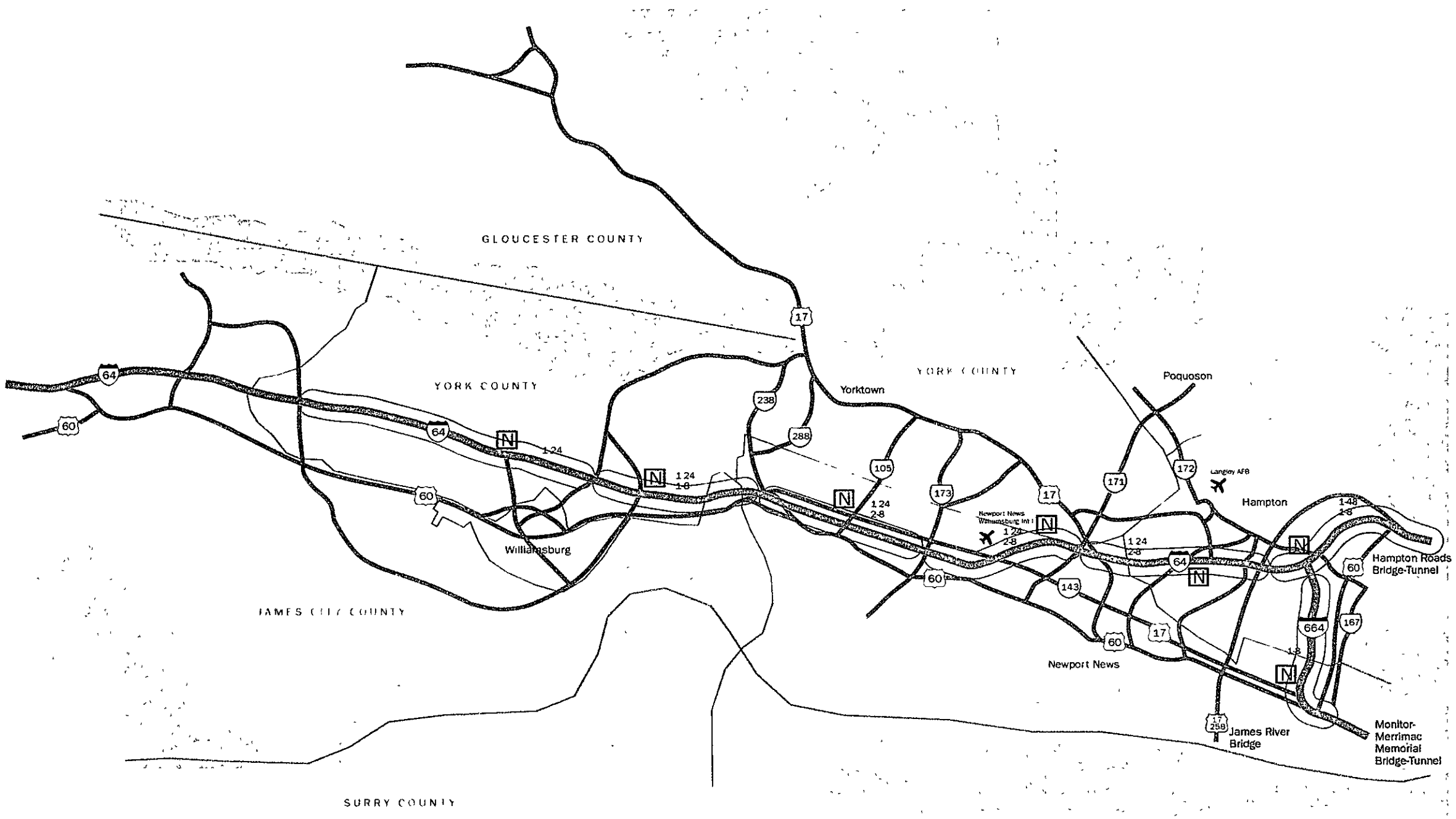
# VDOT TMS Conceptual Fiber Optic Communication Plan Virginia Peninsula

TOC Traffic Management Center

N Node

Limits of Node Area

Number of Cables
1-8
Number of Fiber Strands per Cable

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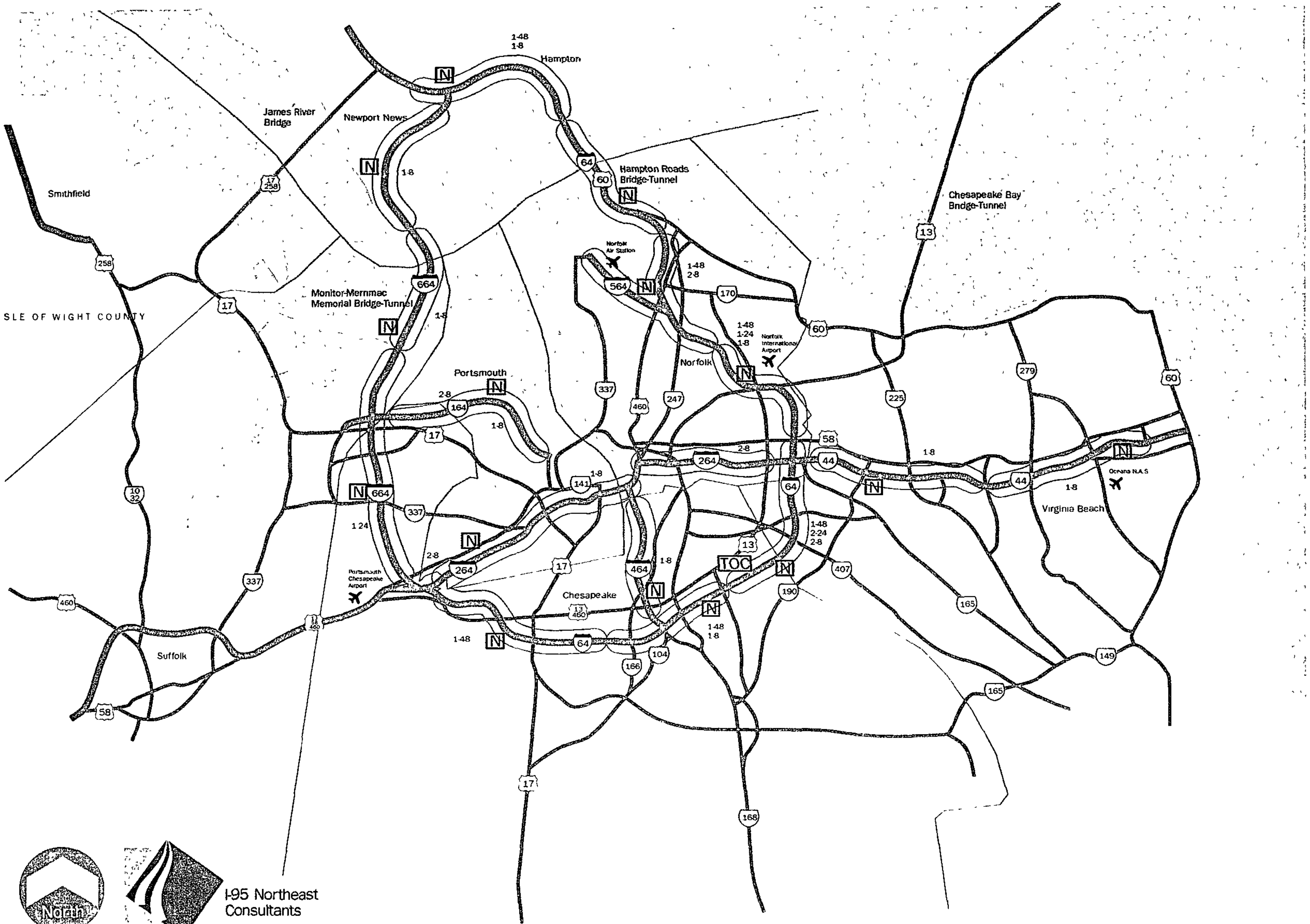
# VDOT TMS Conceptual Fiber Optic Communication Plan South Hampton Roads

TOC Traffic Management Center

N Node

Limits of Node Area

1-8 Number of Cables / Number of Fiber Strands per Cable

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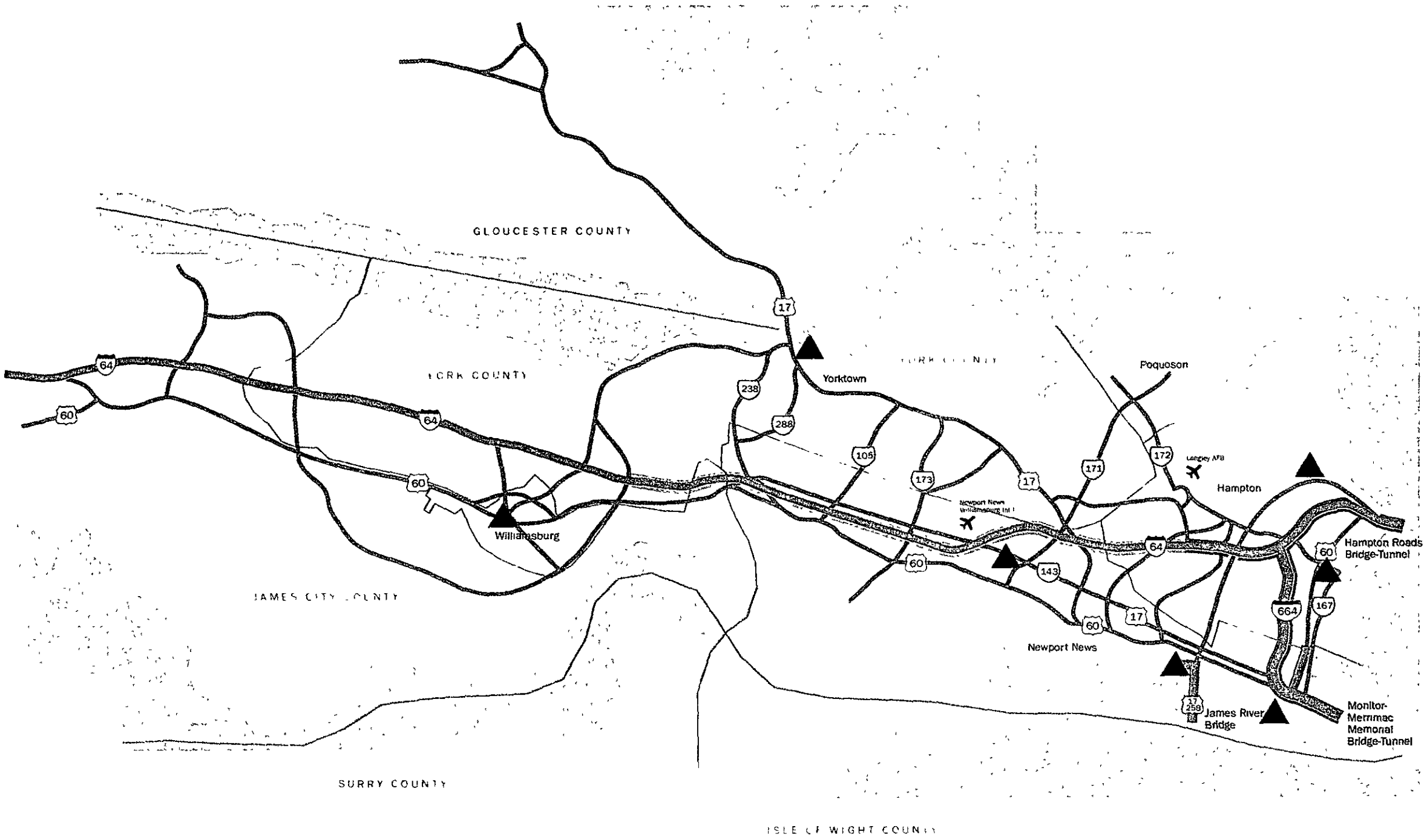
Map 6 (1 of 2)

# ITS Regional Communications Plan Virginia Peninsula




Existing/Programmed Regional Communications Network (within next 2 years)

Planned Regional Communications Network (within 2-5 years)

Proposed Inter-agency Communications Network (TOCs to Regional Network)

Transportation Operations Center (existing)

VDOT TMS (existing)

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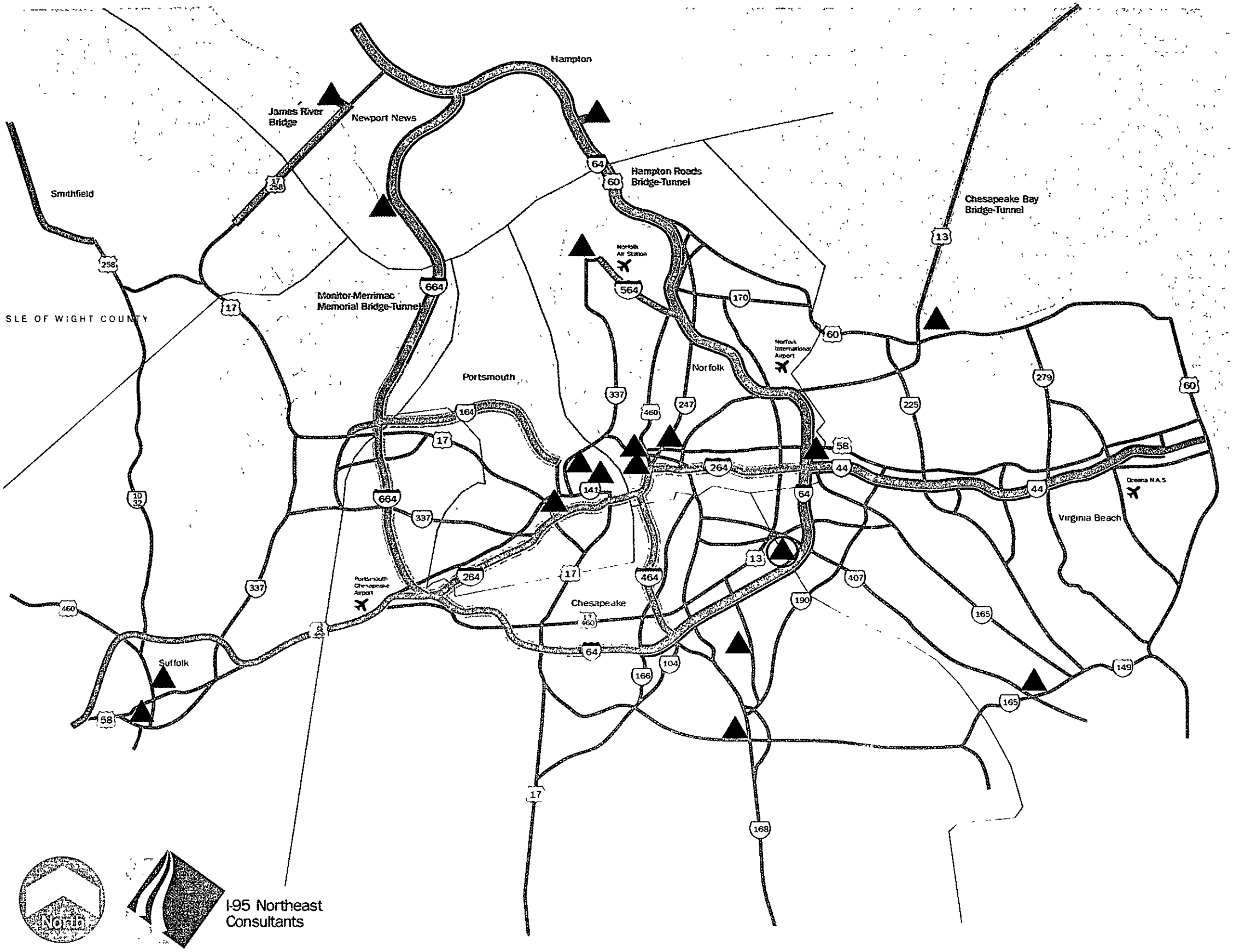
NOTE:
Regional Communications Plan displays the regional communications network and between agency TOCs and the VDOT TMS. Lower levels of communications (e.g. TOC to field elements–VMS, detectors, CCTV, etc ), while they exist, or are planned, are not displayed.

Map 6 (2 of 2)

# ITS Regional Communications Plan South Hampton Roads

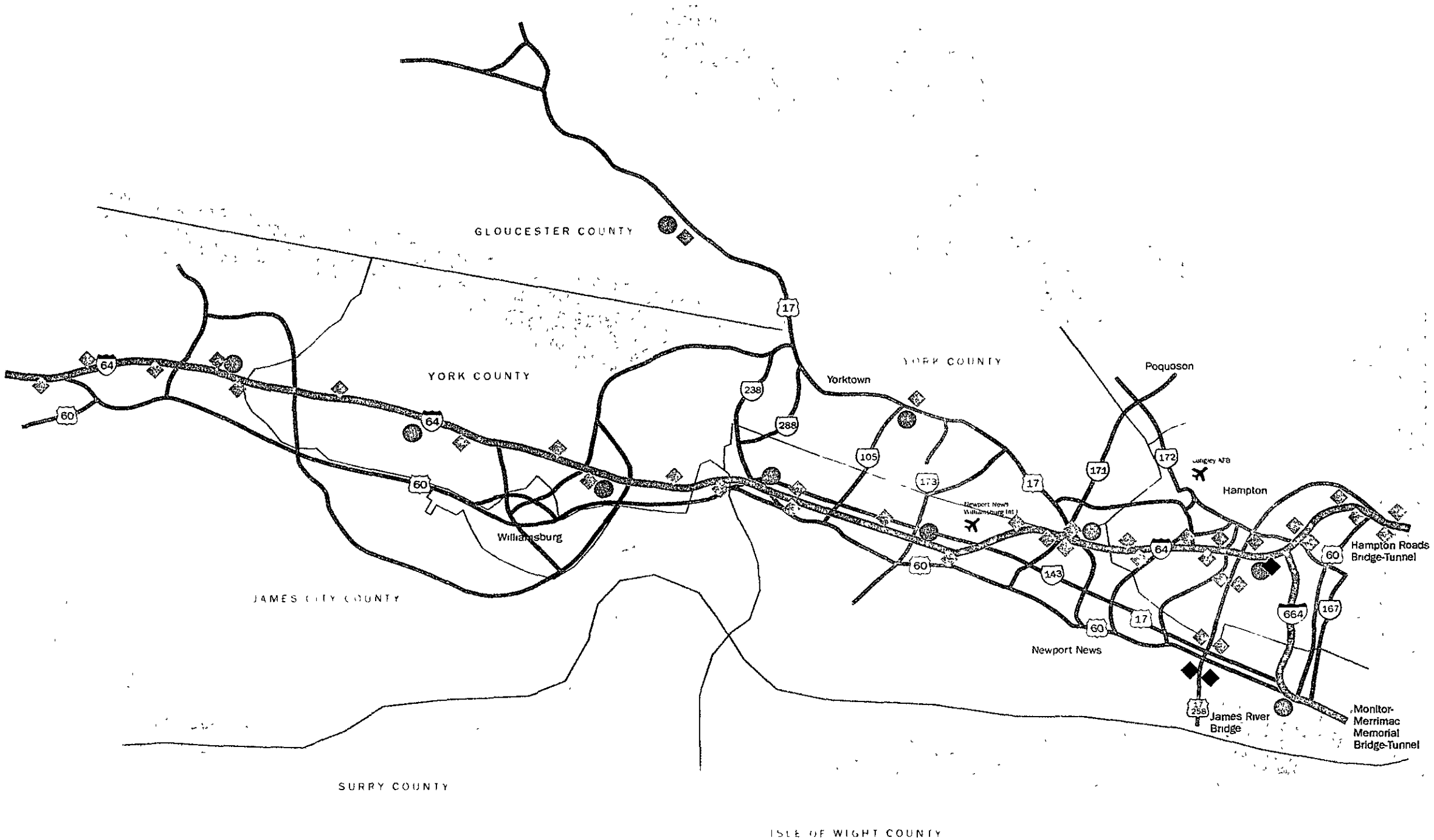



- Existing/Programmed Regional Communications Network (within next 2 years)
- Planned Regional Communications Network (within 2-5 years)
- Proposed Inter-agency Communications Network (TOCs to Regional Network)
- Transportation Operations Center (existing)
- VDOT TMS (existing)

NOTE.
Regional Communications Plan displays the regional communications network and between agency TOCs and the VDOT TMS. Lower levels of communications (e.g TOC to field elements–VMS, detectors, CCTV, etc ), while they exist, or are planned, are not displayed.

Map 7 (1 of 2)

# VMS and HAR Elements Virginia Peninsula




Existing Highway Advisory Radio (HAR)

Proposed Highway Advisory Radio

Existing Variable Message Signs (VMS)

Proposed Variable Message Signs

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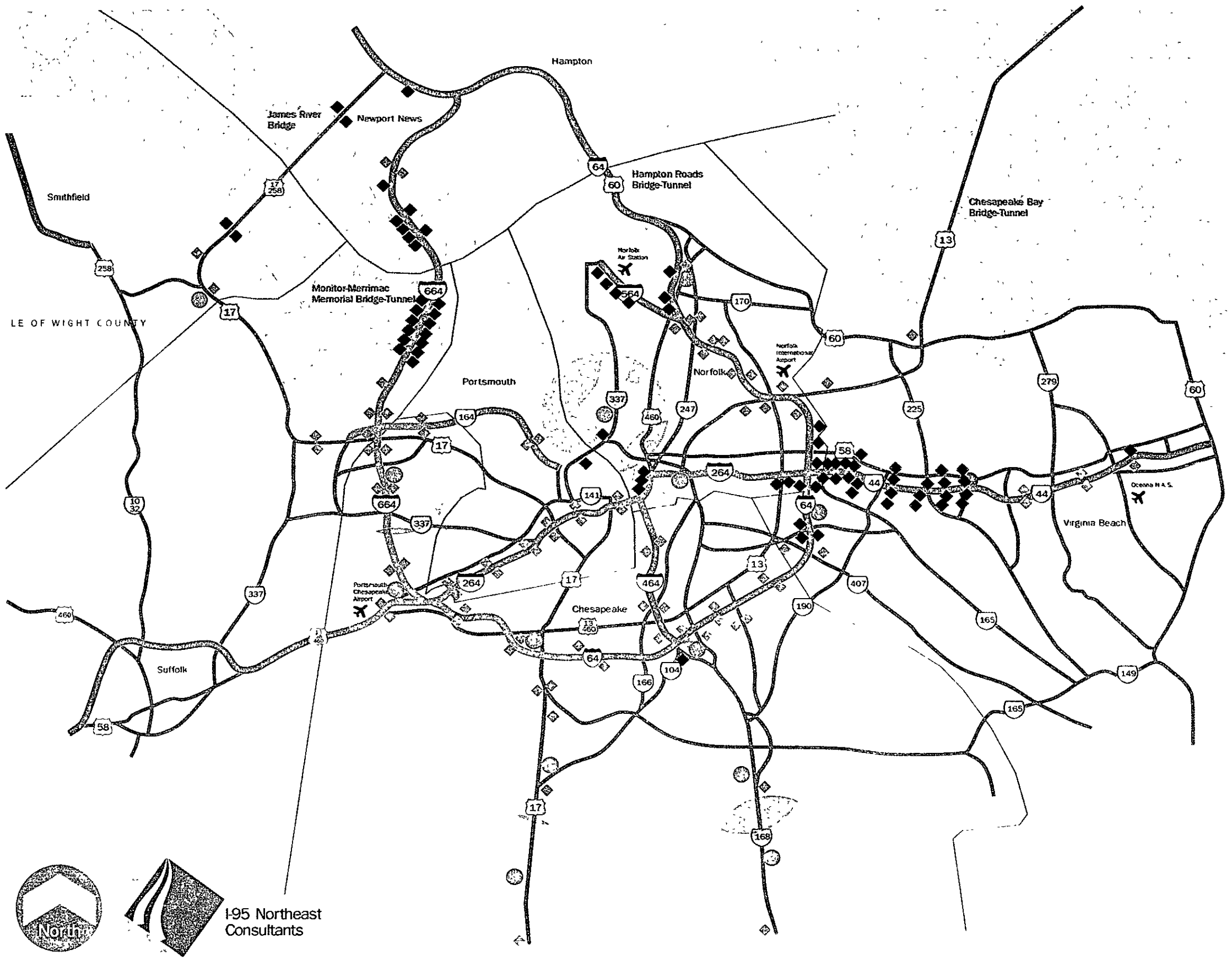
Map 7 (2 of 2)

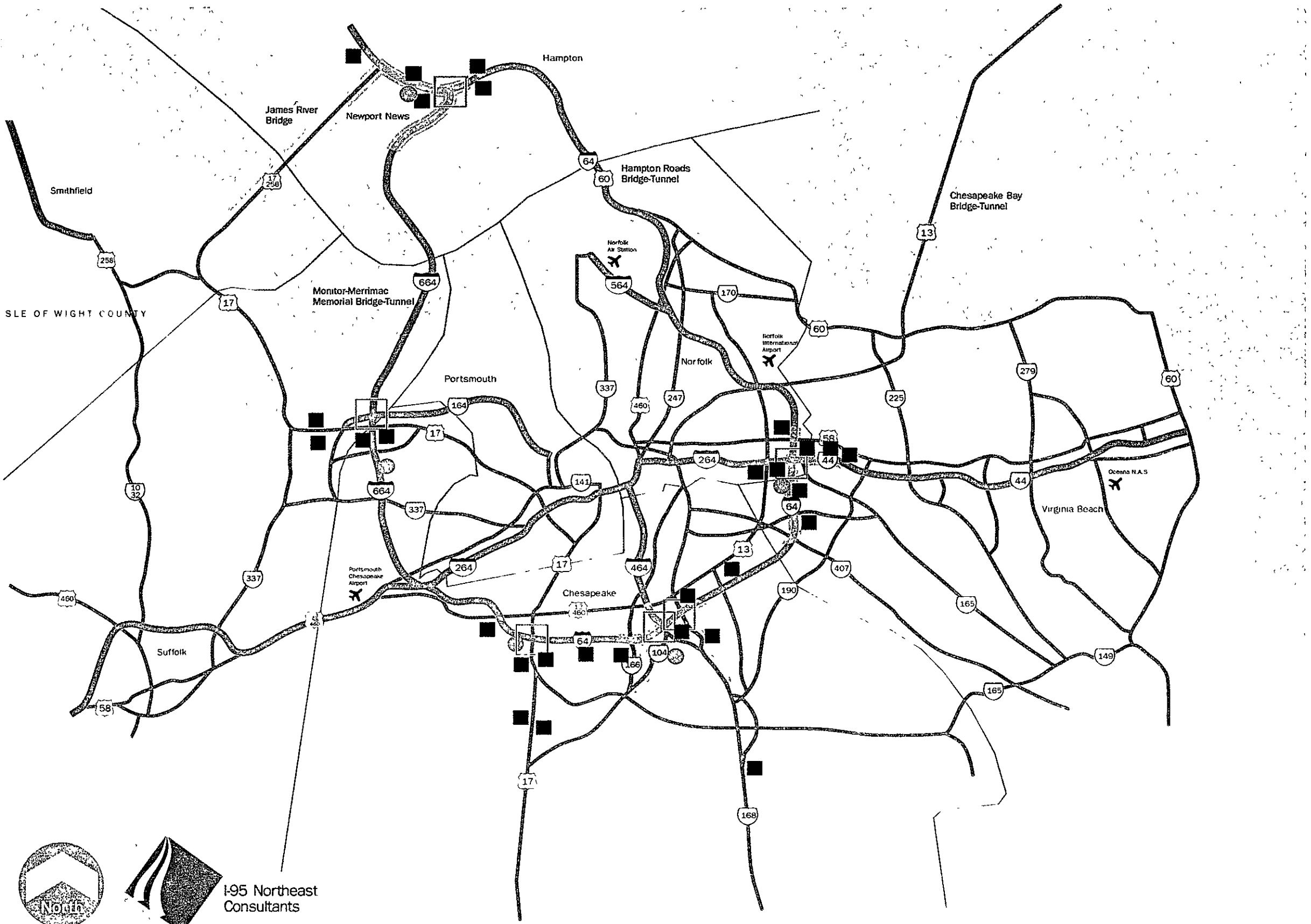
# VMS and HAR Elements South Hampton Roads




- Existing Highway Advisory Radio (HAR)
- Proposed Highway Advisory Radio
- Existing Variable Message Signs (VMS)
- Proposed Variable Message Signs

Map 8

# Regional Reactive Routing System




I-64 Network

Selected Key Interchanges

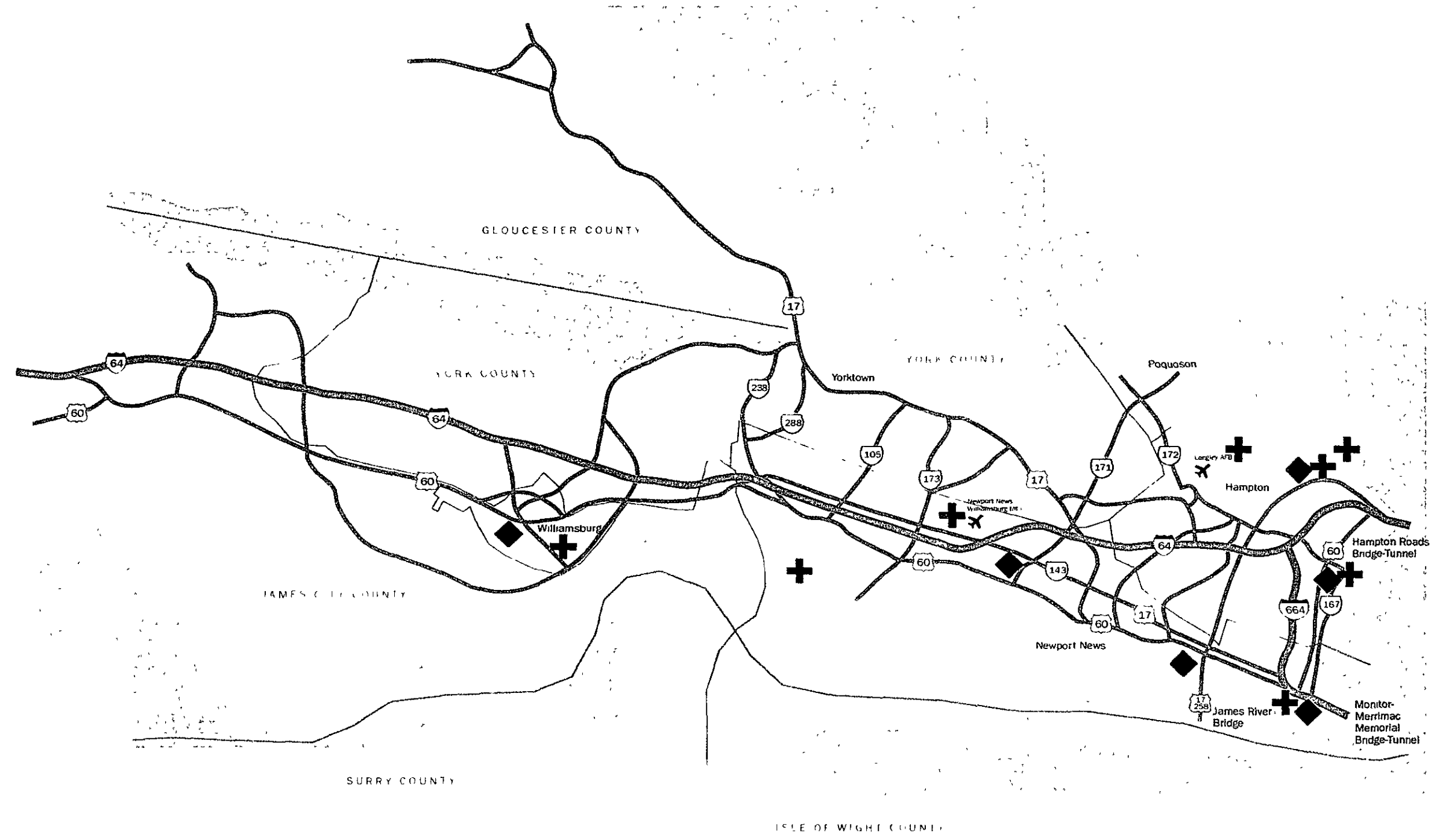
VMS necessary to support system

Additional HAR necessary to support system

Existing HAR

Map 9 (1 of 2)

# Proposed Information Kiosk Locations Virginia Peninsula




Proposed Kiosk Installation

Transportation Operations Center (existing)

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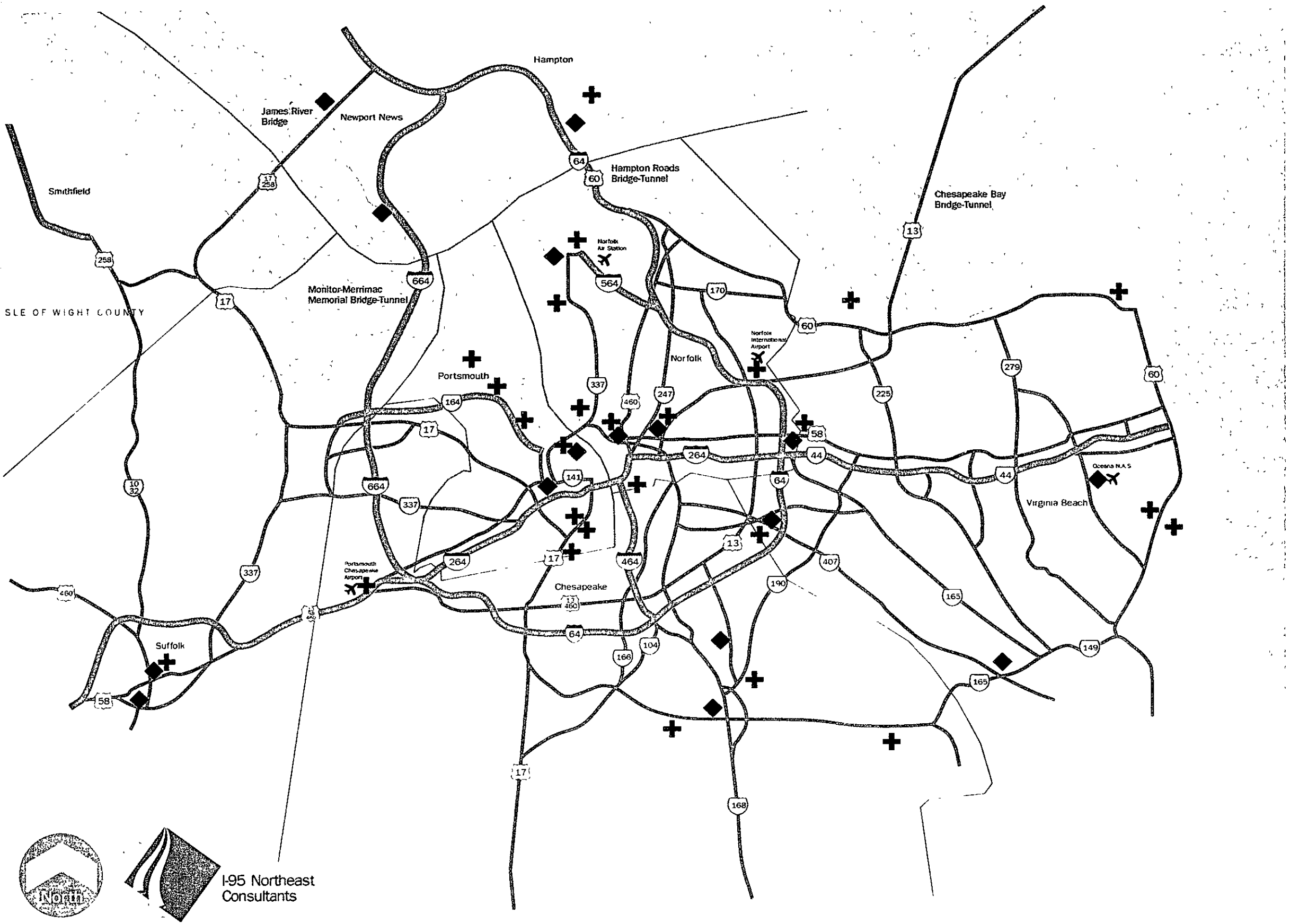
Map 9 (2 of 2)

# Proposed Information Kiosk Locations South Hampton Roads



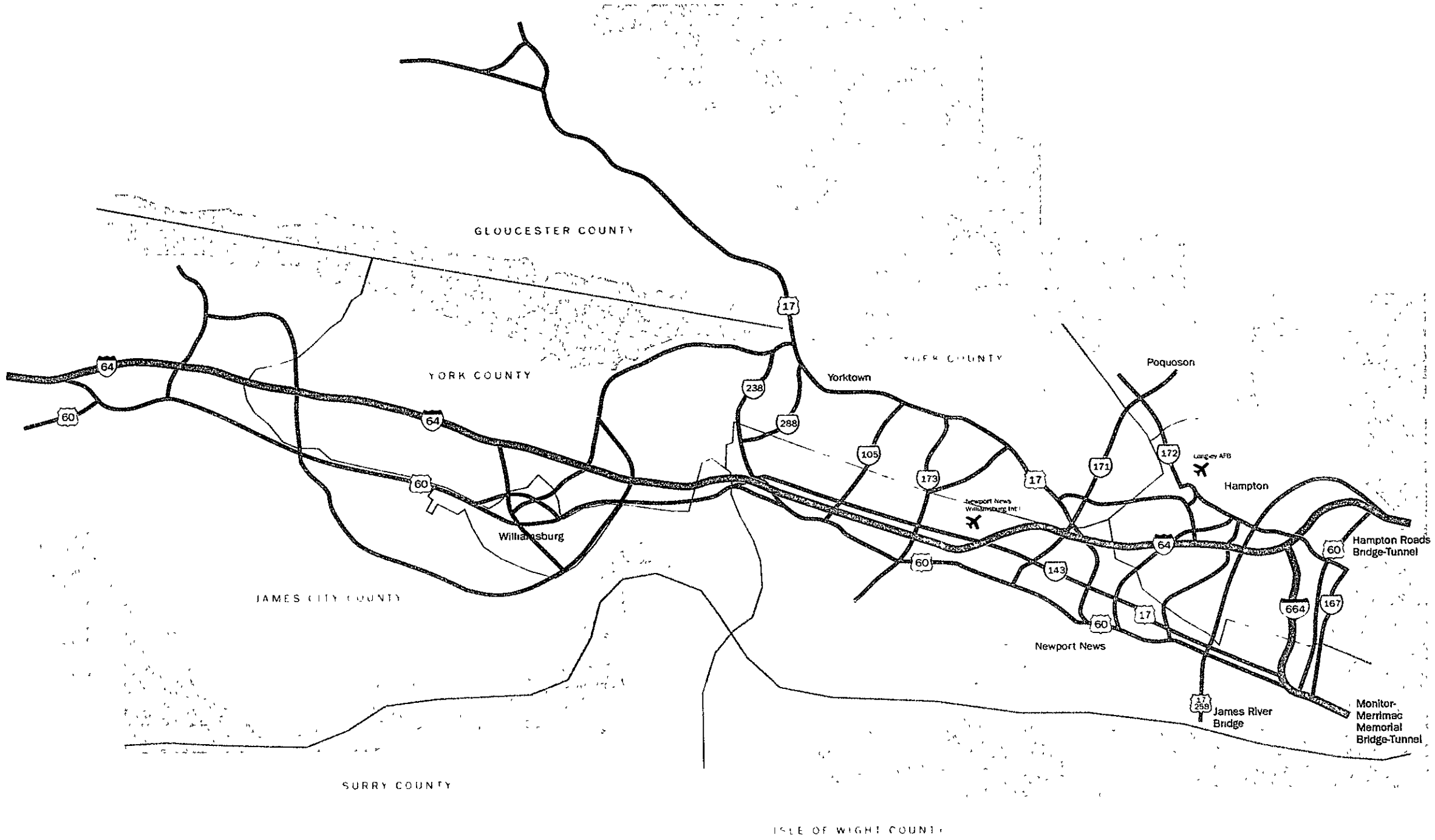

Proposed Kiosk Installation

Transportation Operations Center (existing)

Map 10 (1 of 2)

# Proposed Emergency Vehicle Pre-emption Corridors Virginia Peninsula

Emergency Vehicle
Pre-emption Corridor

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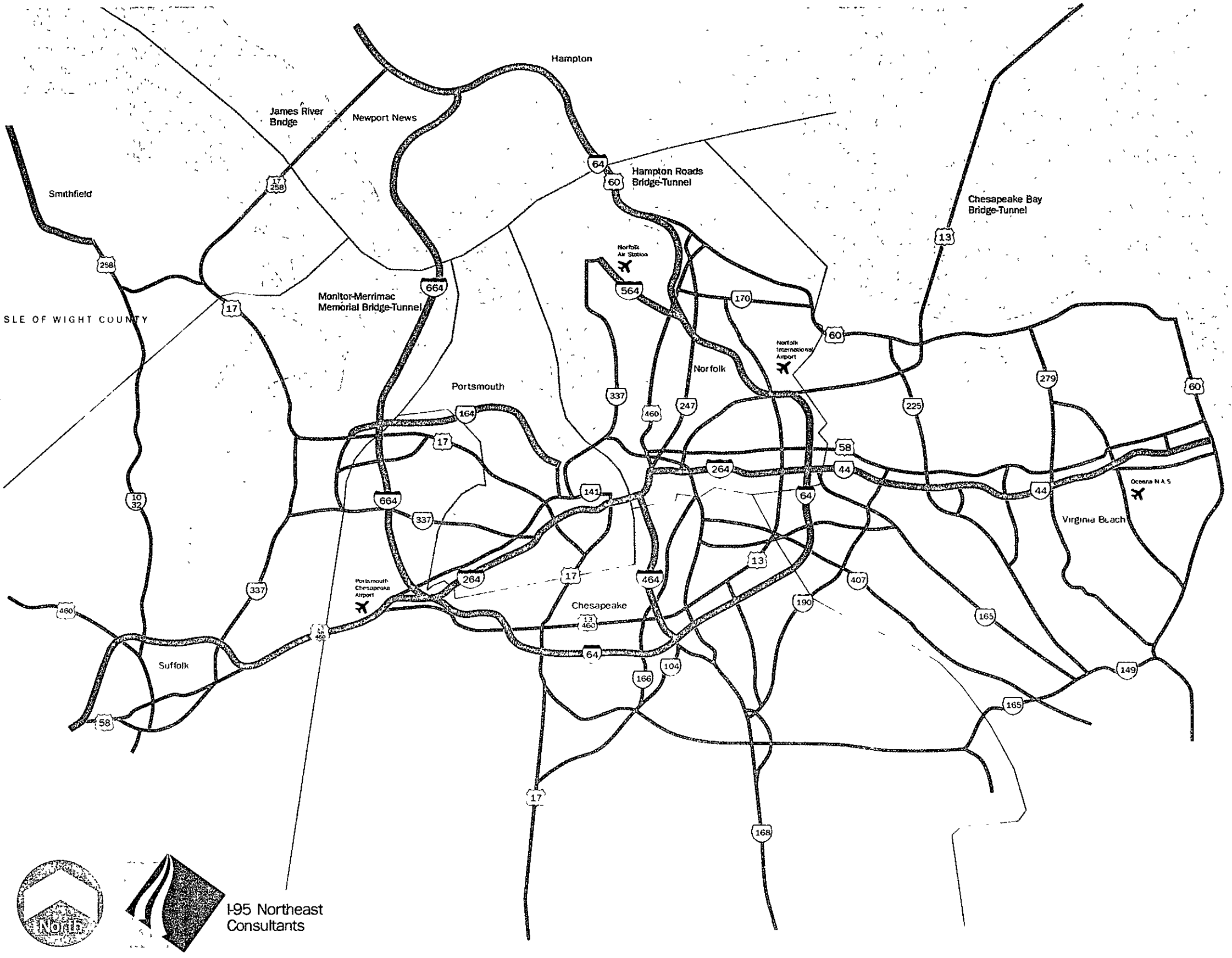
Map 10 (2 of 2)

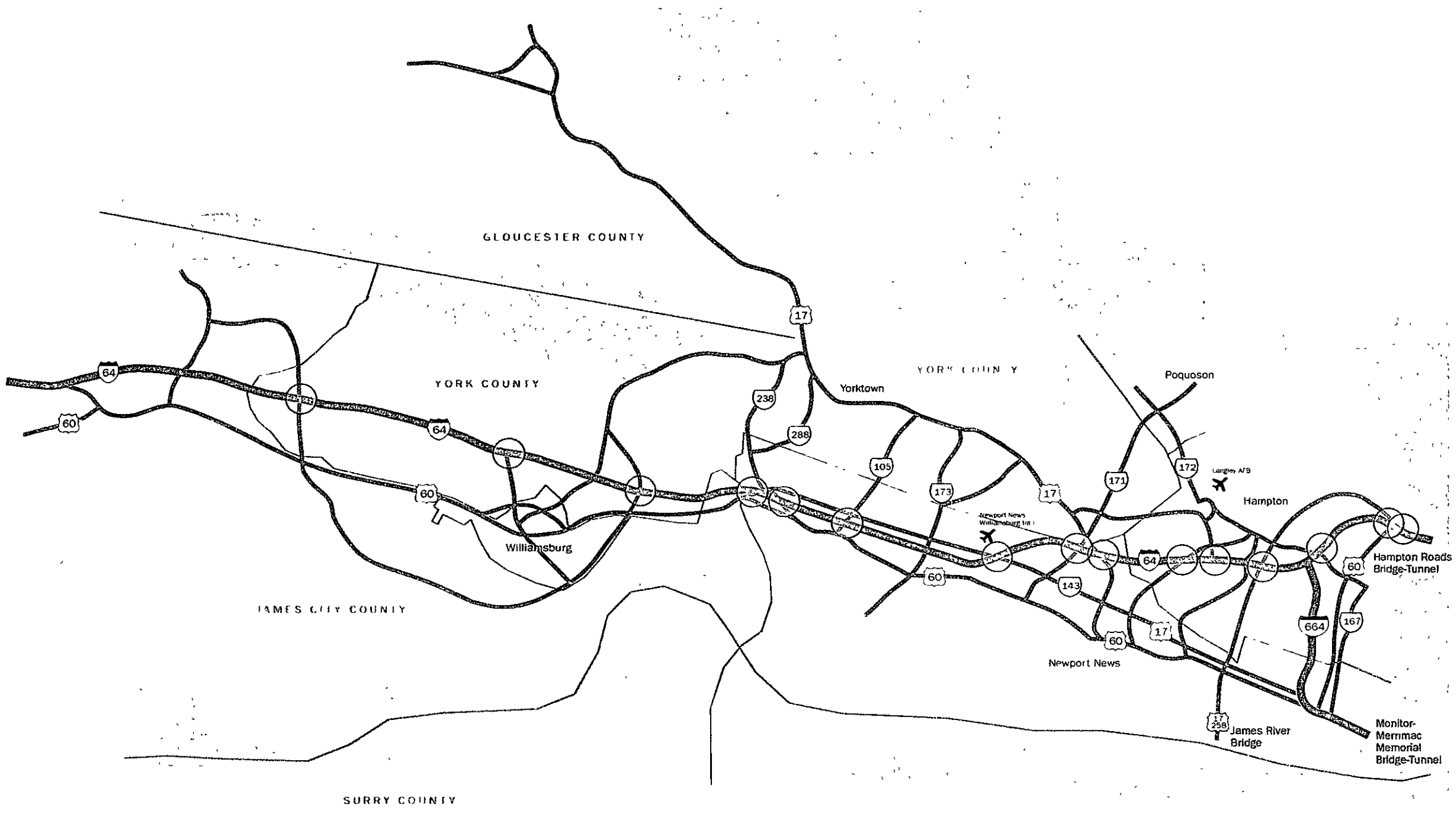
# Proposed Emergency Vehicle Pre-emption Corridors South Hampton Roads

Emergency Vehicle
Pre-emption Corridor



Map 11 (1 of 2)

# Ramp Metering Locations
# Virginia Peninsula




Ramp Metering Site

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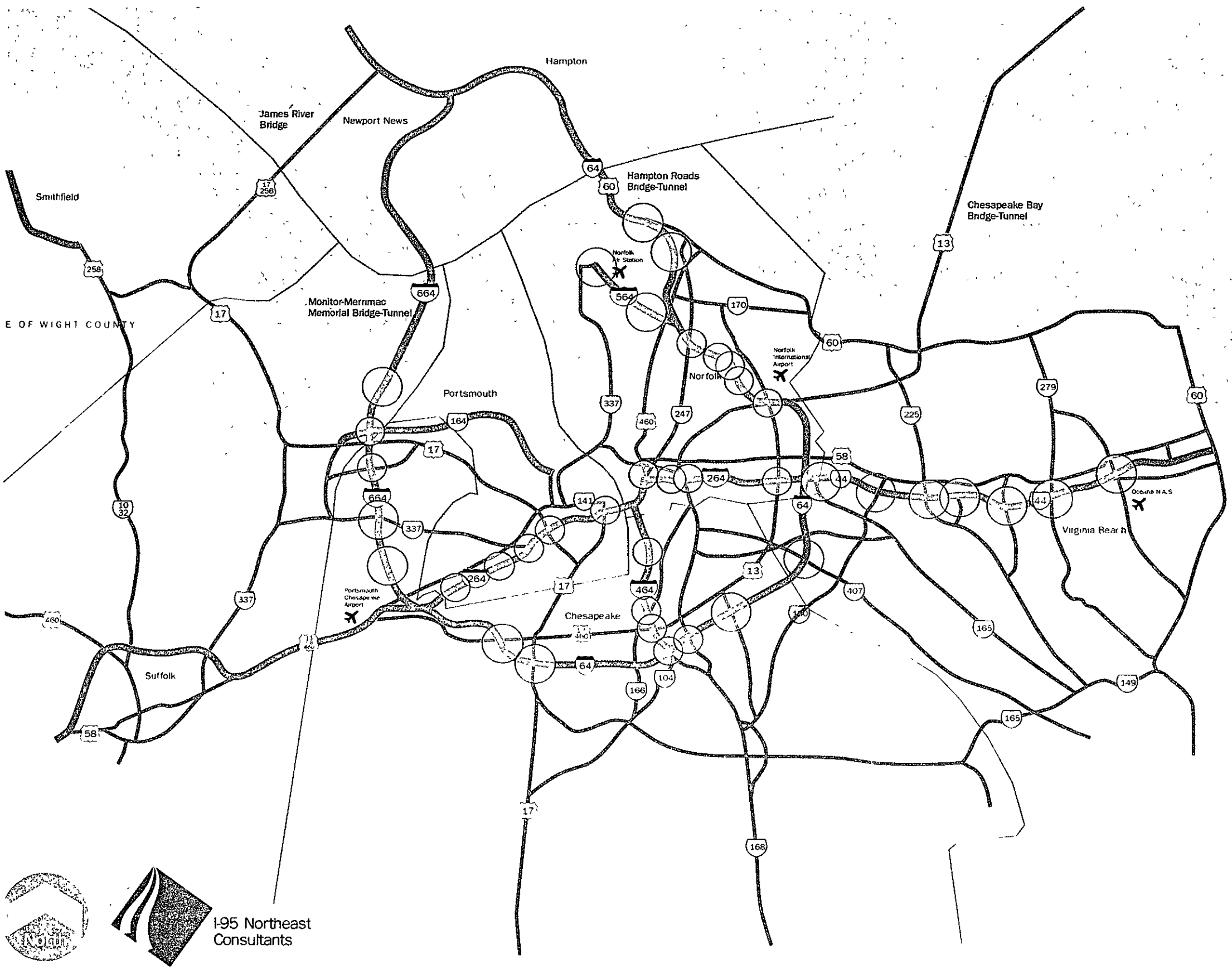
Map 11 (2 of 2)

# Ramp Metering Locations South Hampton Roads

Ramp Metering Site

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