

NATIONAL CAPITAL REGION FREIGHT PLAN UPDATE

TPB Freight Subcommittee
January 19, 2023



Agenda

- Overview of MWCOG's 2016 Freight Plan
- ICF's approach to updating the NCR Freight Plan
- Next steps



2016 National Capital Region Freight Plan

- Was a technical reference and a guide to future TPB planning activities
- Supported MAP-21 and FAST requirements
- Built on the 2010 edition
- Described the role of freight in the Region
- Defined a regional freight-significant network
- Described the drivers of freight demand and resulting freight flows
- Identified significant freight issues
- Included regional freight policies
- Identified projects that are important to goods movement
- Recommended future freight planning actions



Topic Areas Addressed in 2016 Freight Policies

2016 National Capital Region Freight Plan

- Prioritized advancement of freight projects
- State of good repair
- Best practices
- Bottlenecks
- Rail options
- Environmental justice
- Economic development
- Activity centers
- Safety education, enforcement, and engineering
- Hazardous materials routing
- Hazardous materials information sharing
- Collaboration regionally and with the private sector
- Performance measurement
- Sustainability
- Land use/rail capacity collaboration
- New technologies and emerging business practices



2016 Freight Plan Recommendations

2016 National Capital Region Freight Plan

- Active freight subcommittee including private sector participation
- “Freight Around the Region” outreach
- Regional freight forums
- Data analysis and sharing
- Coordination with partners/stakeholders
- MAP-21/FAST activities including performance measurement
- Collaboration with local jurisdictional planning including infrastructure and economic development considerations
- Monitoring of autonomous and connected vehicle developments
- Monitoring of industry trends
- Progress tracking

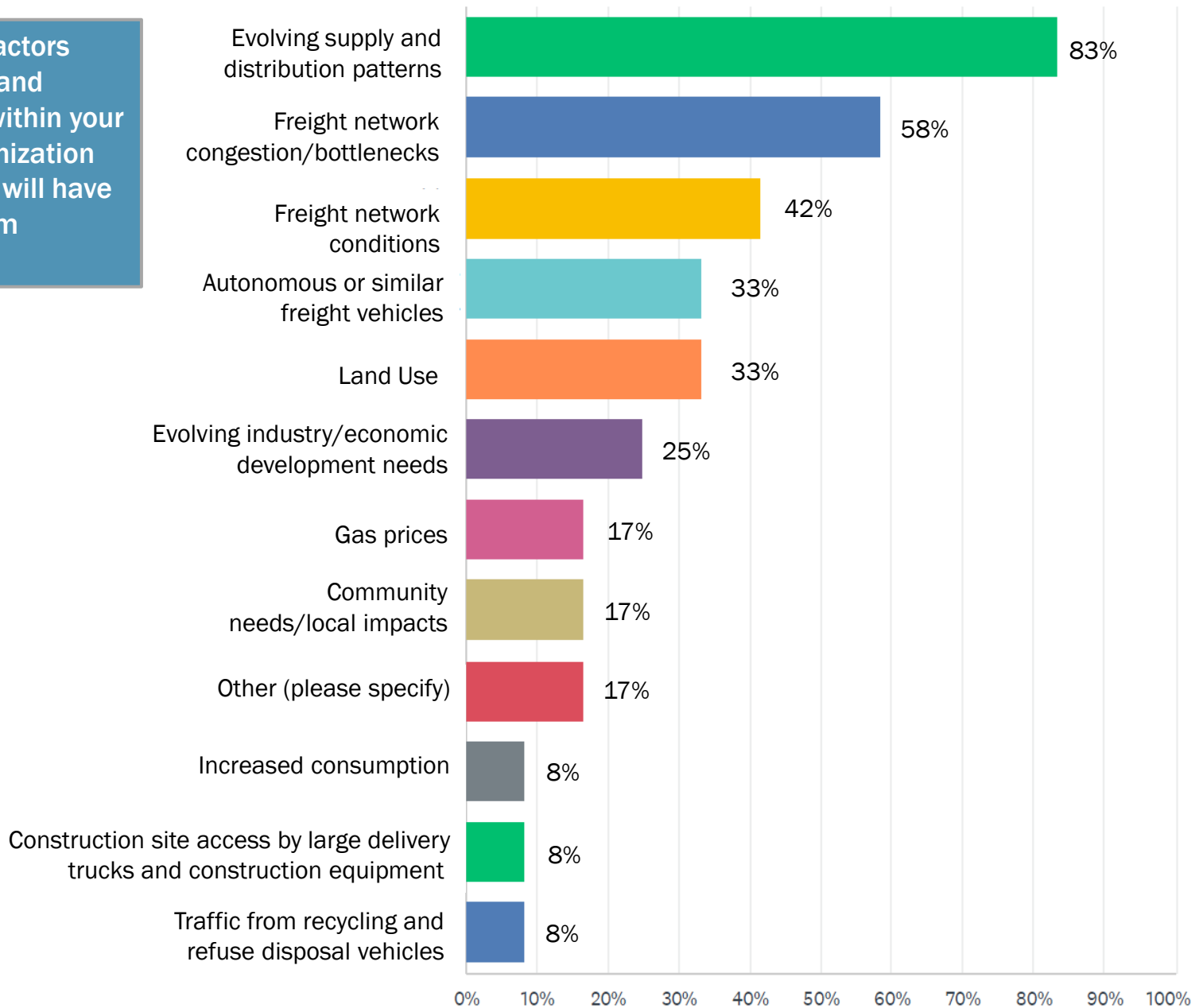


ICF's Approach to the Plan Update

- Used 2016 Freight Plan as a starting point
- Conducted a literature review of regional freight plans (DDOT, MDOT, VDOT) and federal freight reports/policy guidance
- ICF and MWCOG Coordination
 - COG shared data and relevant documents
- Conducted a survey of TPB's Freight stakeholders in June 2022 to identify:
 - Key documents and initiatives to include in the literature scan
 - Key factors influencing freight and goods movement (long-term impacts)
 - The top freight challenges facing individual jurisdictions



What are the key factors influencing freight and goods movement within your jurisdiction or organization that you anticipate will have significant long-term impacts?

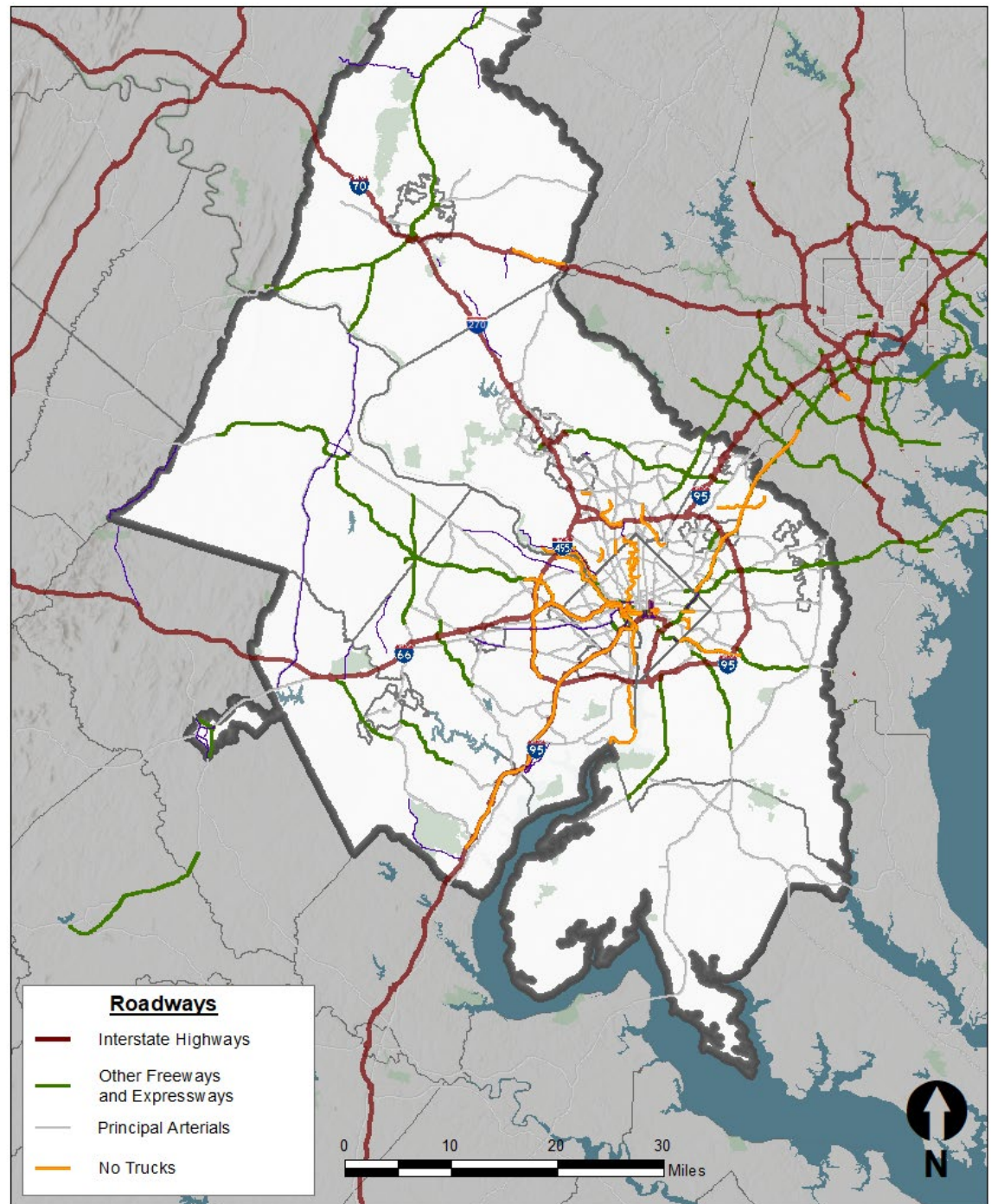


Content Refreshed for the Plan Update

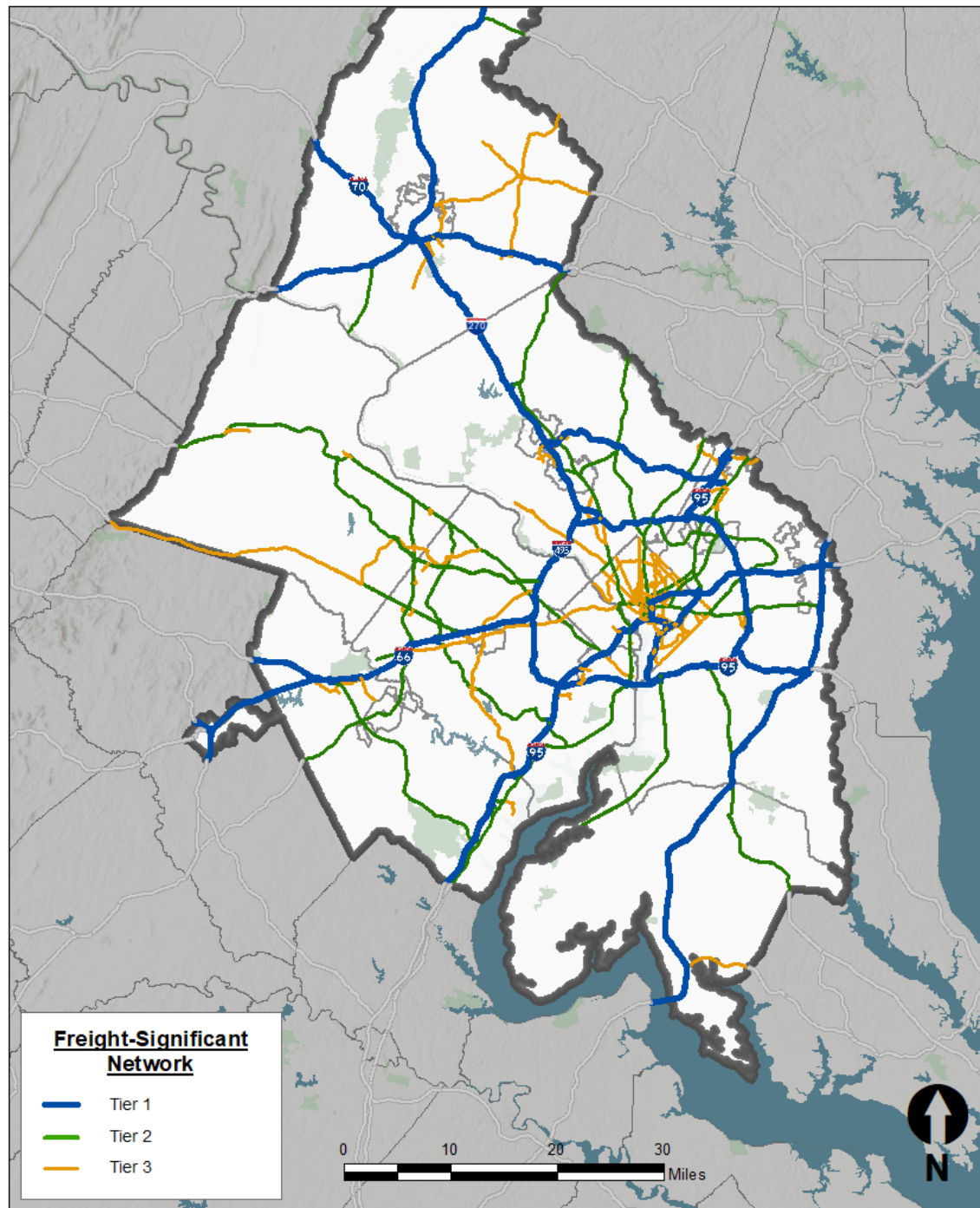
- Regionally Significant Highway Freight Network
- Average Annual Daily Truck Traffic and Percentage
- Public Truck Parking Areas
- Fatalities in the Region by Emphasis Area
- Fatal Crashes (Truck and Total)
- Regional Rail Network
- Major Intermodal Facilities Served by Rail
- Historic Freight Activity at Cargo Airports in the Region and Air Cargo Trends
- Commodity Types Handled by Truck, Rail, Multiple Modes, and Air



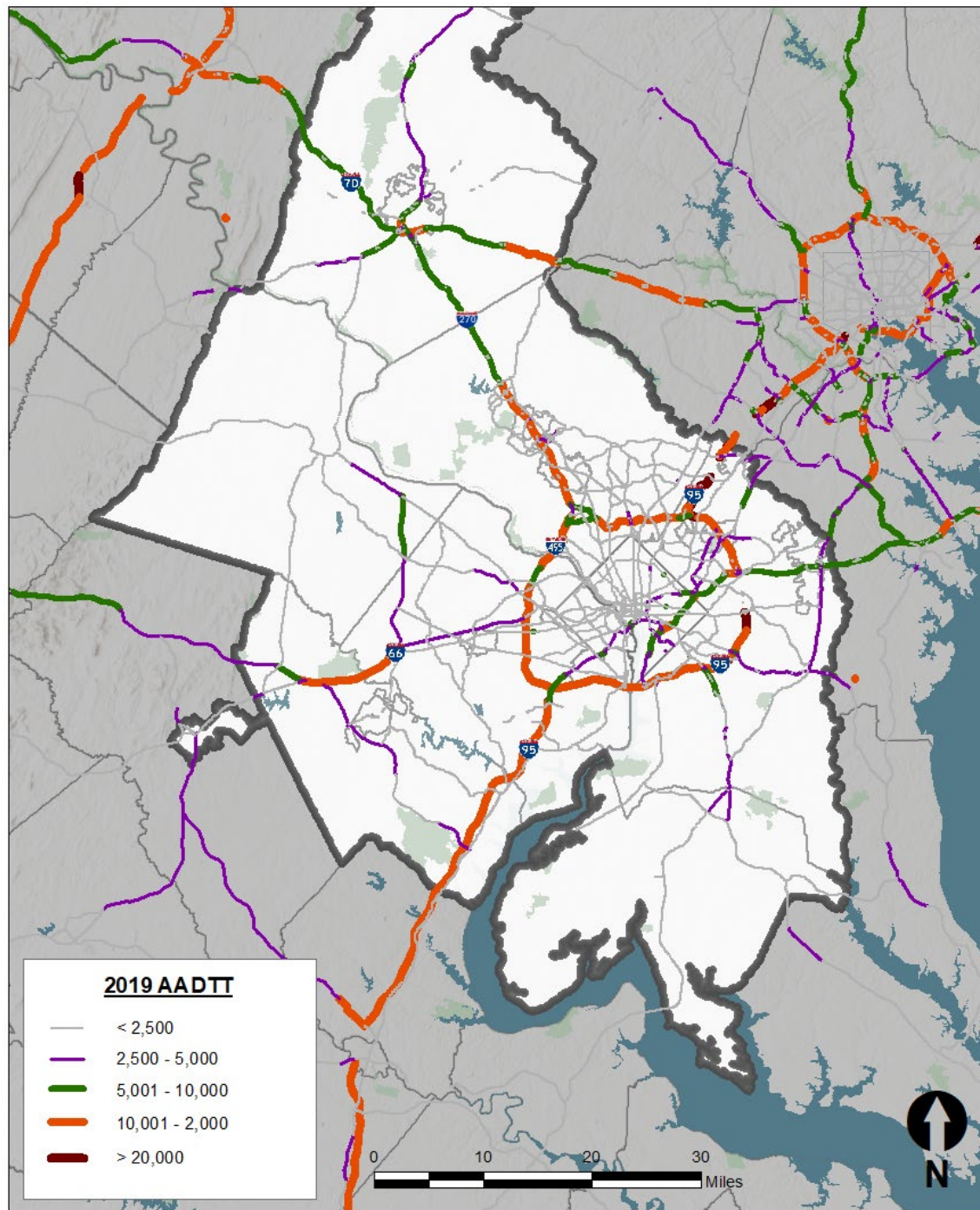
Interstate and Primary Highway Systems in the Region



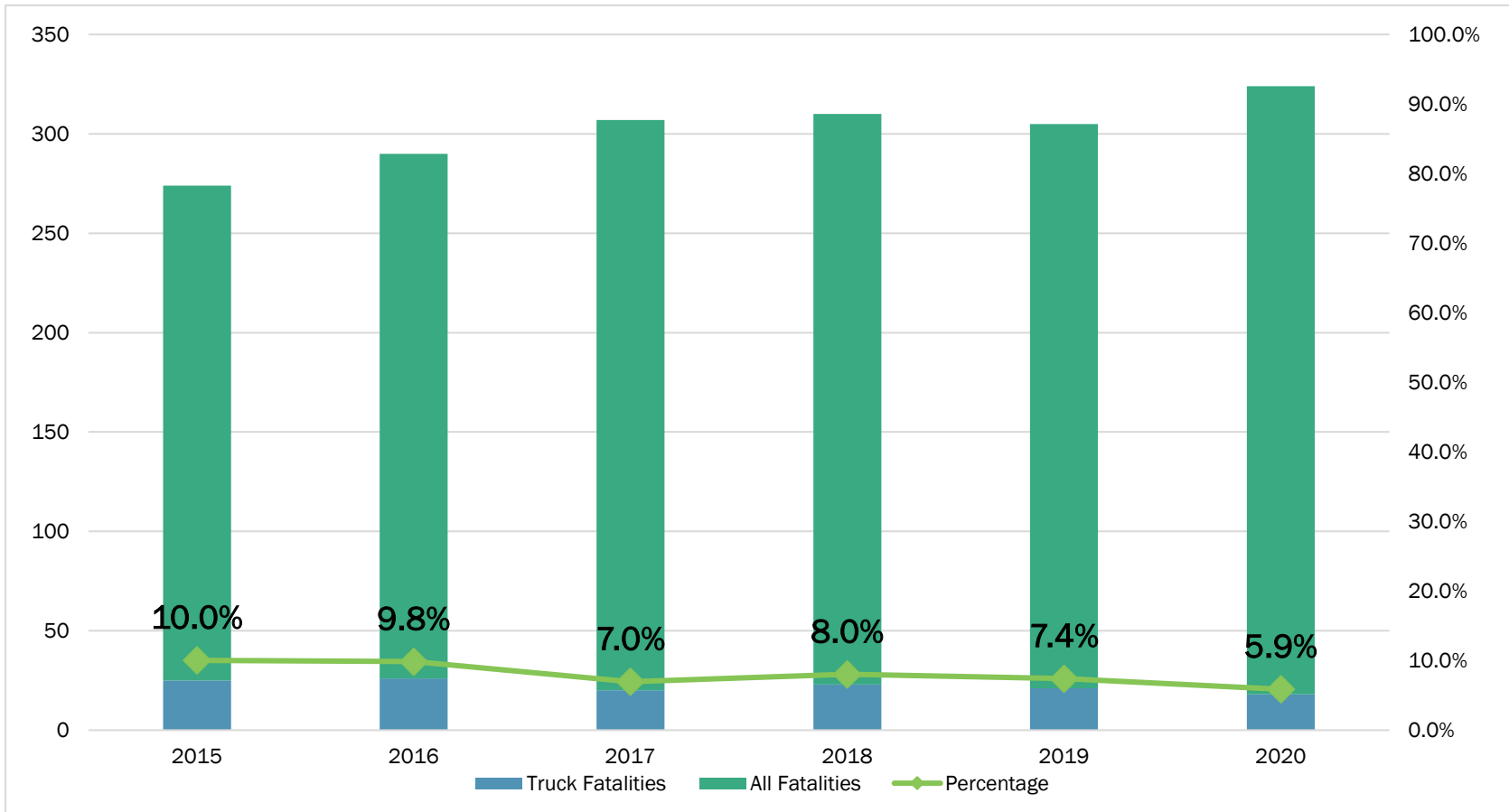
Regionally Significant Highway Freight Network



Average Annual Daily Truck Traffic



Fatal Crashes (Truck and Total)



Source: Fatality Analysis Reporting System, NHTSA



New Content for the Plan Update

- Interstate and Non-Interstate NHS Mileage by County*
- Rail Crash Locations*
- Median Household Income in the Region Compared to U.S. Average*
- Non-Recurring/Incident Delay Due to Truck Crashes*
- Highlighting freight as an enabler of livability*
- Impacts of COVID-19

**Data and information sourced from federal and other official reports*



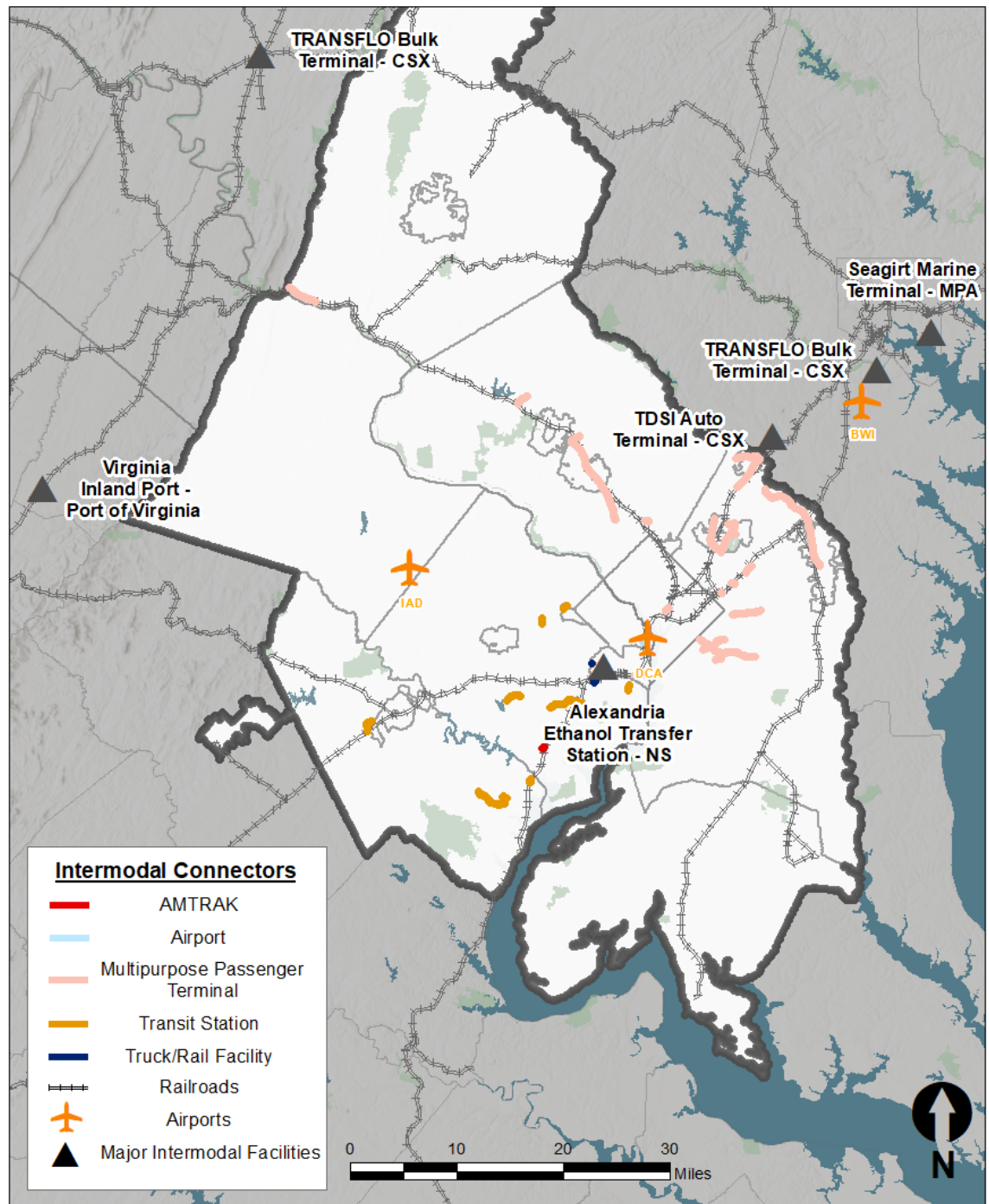
Interstate and Non-Interstate NHS Mileage by Jurisdiction

Jurisdiction	Interstate Mileage	Non-Interstate Mileage
Arlington County	11.5	136.3
Charles County	0	1,023.0
City of Alexandria	5.5	72.3
City of Fairfax	0	19.0
City of Falls Church	0	40.8
City of Manassas	0	33.2
City of Manassas Park	0	11.4
District of Columbia	12.7	1,198.7
Fairfax County	53.2	2,949.0
Fauquier County Urban	0	115.8
Frederick County	22.4	1,894.7
Loudoun County	0	1,551.2
Montgomery County	23.6	3,180.5
Prince George's County	38.0	2,960.9
Prince William County	25.5	1,306.9

Source: 2019 Highway Performance Monitoring System Public Release Data from USDOT GIS Server – for planning purposes only



Intermodal Connectors



Comments and Questions?



What's Next?

Upcoming Milestones

Date

Submit Draft Freight Plan Update for COG/TPB Review

February

Present Draft Freight Plan Update to Freight Subcommittee

March

Address comments from Freight Subcommittee

Mid-March

Present Revised Freight Plan to TPB Technical Committee

April 7

Submit Final Freight Plan Update to COG/TPB

May

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