



TDOT

Department of
Transportation

I-40/81 Multimodal Corridor Study

Round 1 Public Meetings

April 23, 2020



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TODAY'S AGENDA



CORRIDOR STUDY

- **Study Purpose**
- **Study Timeline**
- **Current Conditions on I-40 and I-81**
- **Discussion / Questions**

STUDY PURPOSE



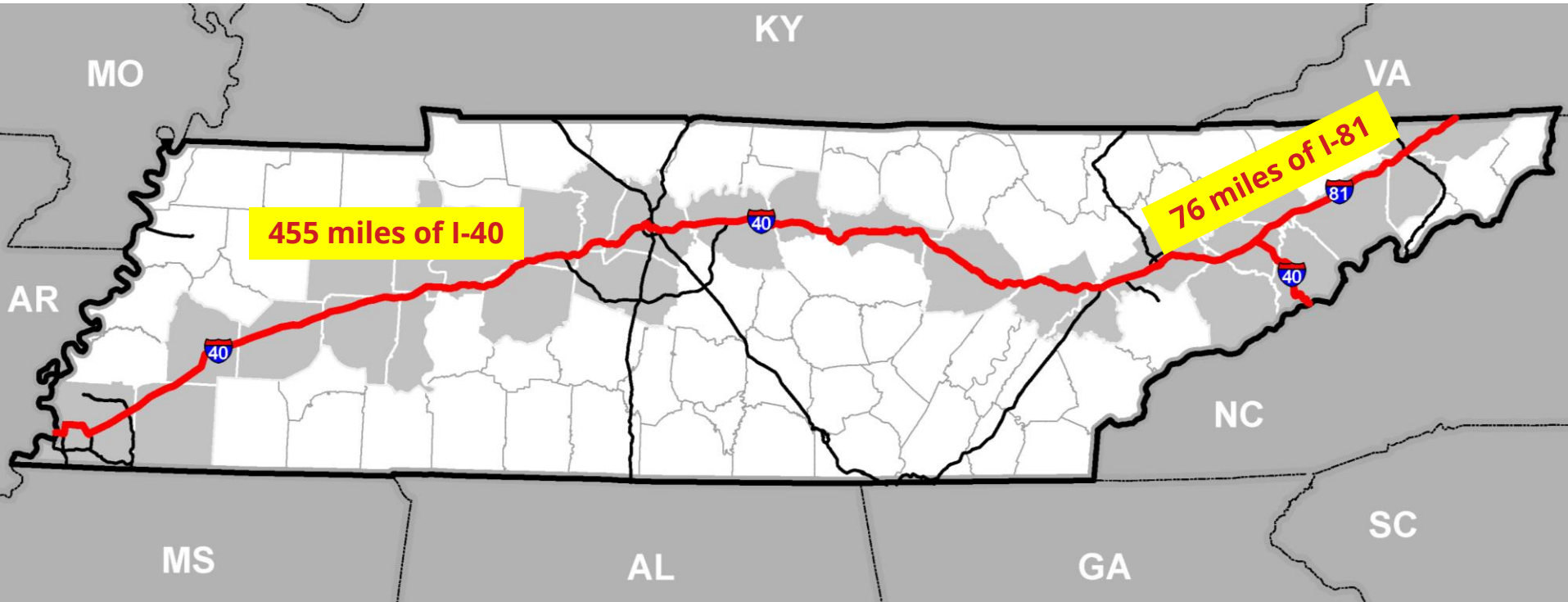
WHAT THIS STUDY IS:

- ✓ A 20-year, phased set of recommended transportation improvements for the I-40 and I-81 corridors

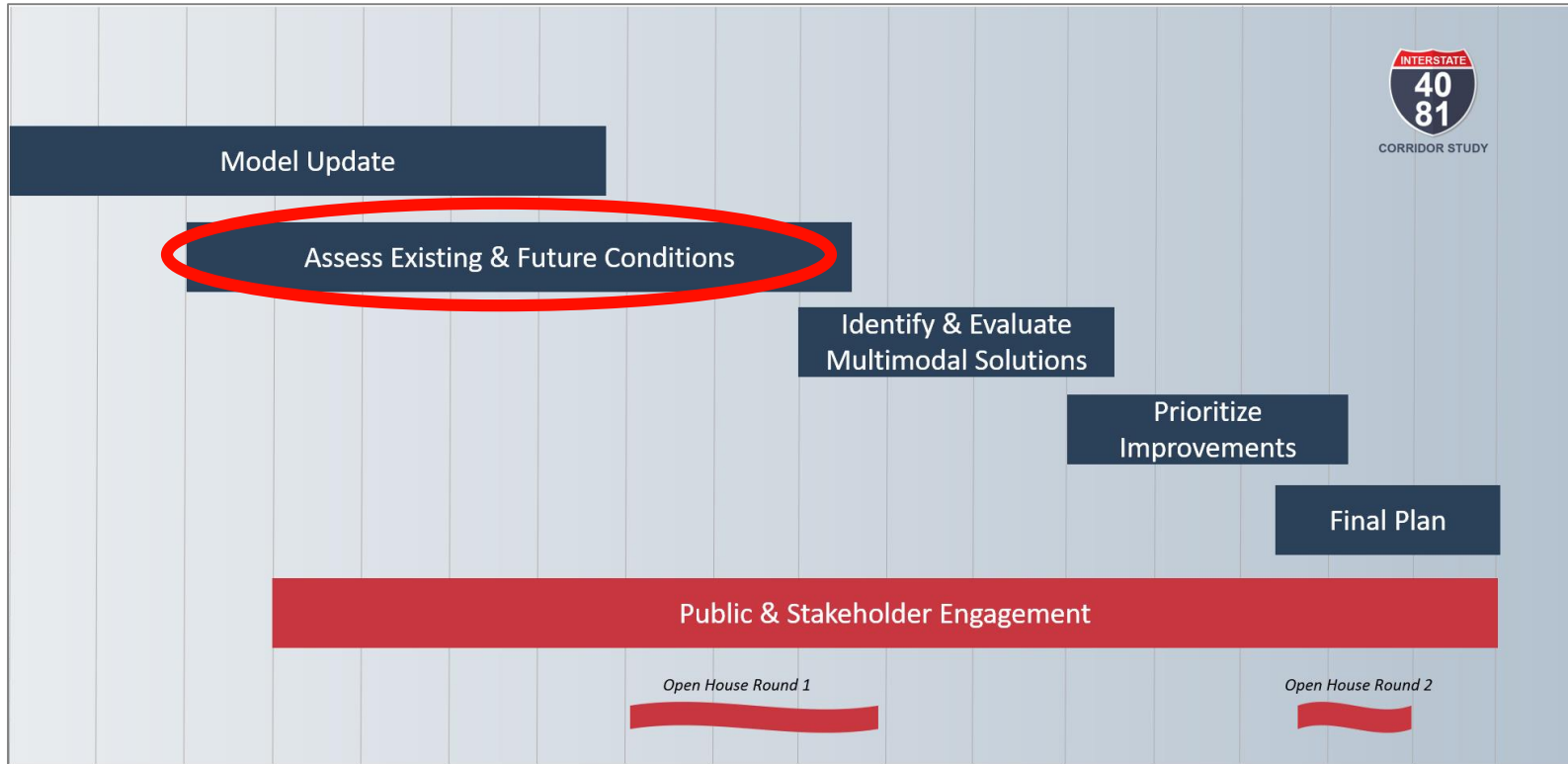
PURPOSE:

- ✓ Guidance for decision-makers regarding future projects
- ✓ Identify both long-term objectives and near-term steps
- ✓ Promote coordination with stakeholders on the future of this corridor

CORRIDOR STUDY AREA



MAJOR STUDY ELEMENTS



MAJOR STUDY ELEMENTS



1

Existing and Future Conditions

- Current deficiencies
- Projected deficiencies by 2040
- Opportunities

3

Evaluation and Prioritization

- Define performance measures to be used for project evaluation
- Apply performance measures to select and prioritize projects

2

Development of Potential Multimodal Solutions

- Highway Expansion/Improvement
- Transportation Systems Management & Operations (TSMO)
- Safety
- Freight & Goods Movement
- Transit and Travel Demand Management

4

Final Report

- Summary of key findings
- Recommended projects and priorities

CURRENT CONDITIONS



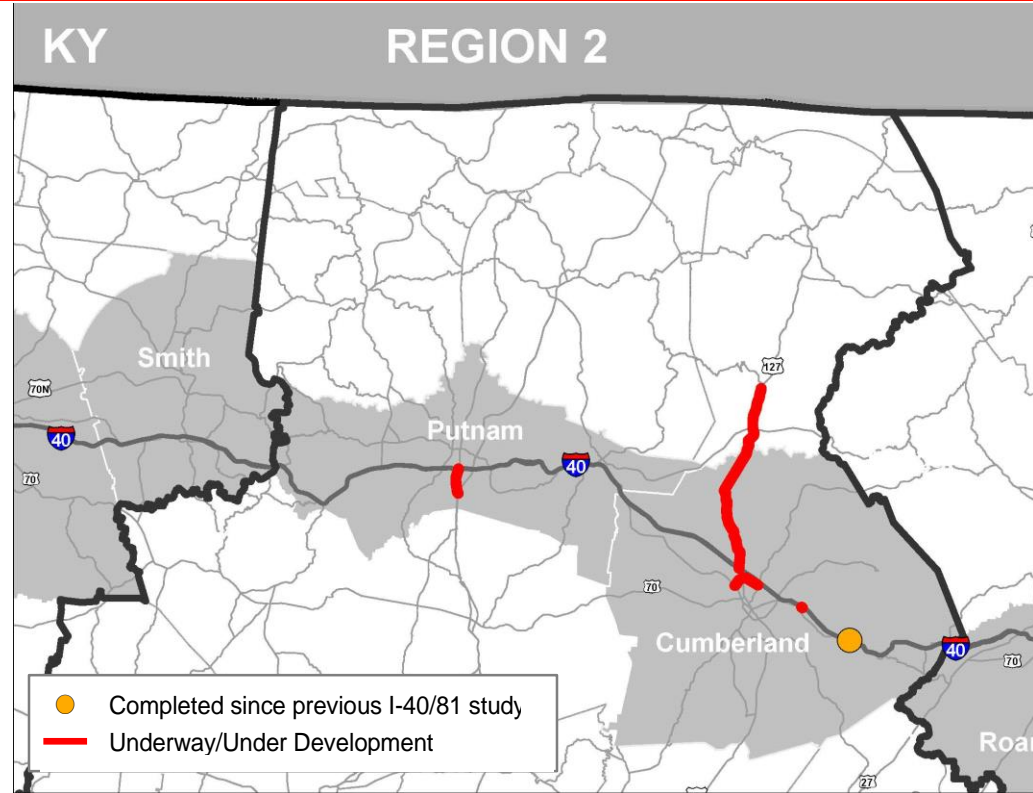
- Current I-40/81 projects and studies
- Traffic flow
- Safety
- Operations & Management
- Freight
- Transit



CURRENT / COMPLETED PROJECTS



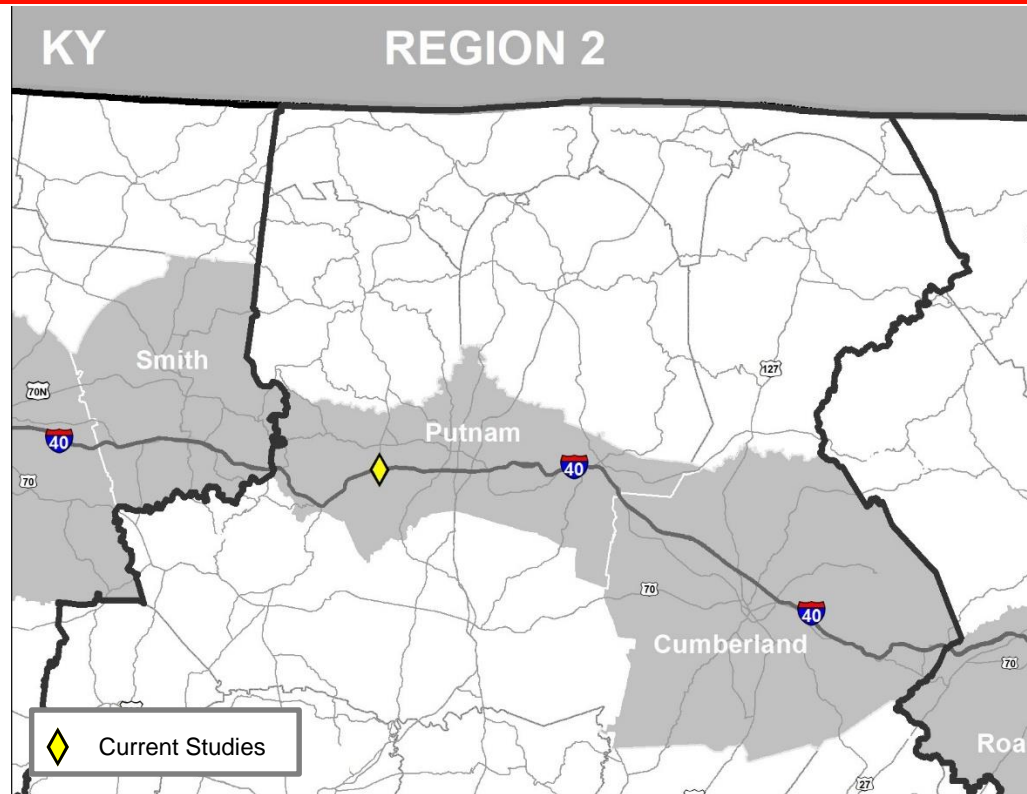
- Projects completed since previous I-40/81 Corridor Study
- Projects underway or under development



STUDIES, FUTURE PLANNED PROJECTS



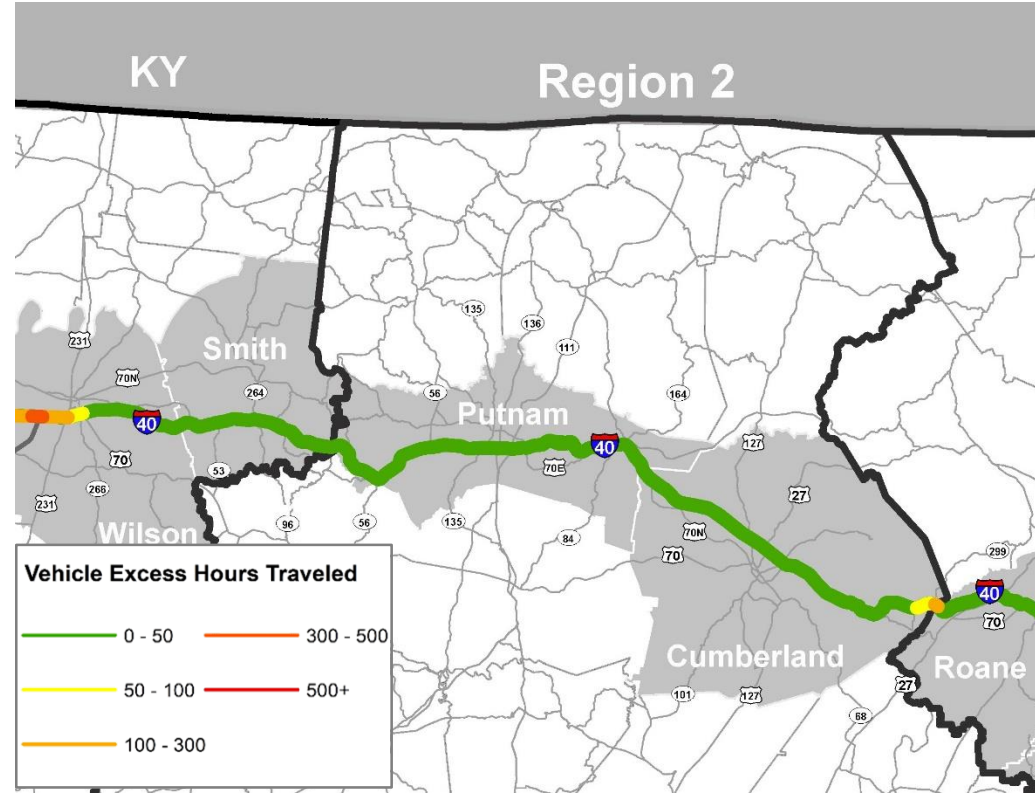
- Project-specific studies along the corridor
 - Interchange ramp safety
 - Interchange operational improvements



TRAFFIC FLOW



- Real-time, 2018 travel data from cell phones, GPS units, etc.
- Shows areas of recurring congestion
- Pinpoints specific locations for traffic analysis



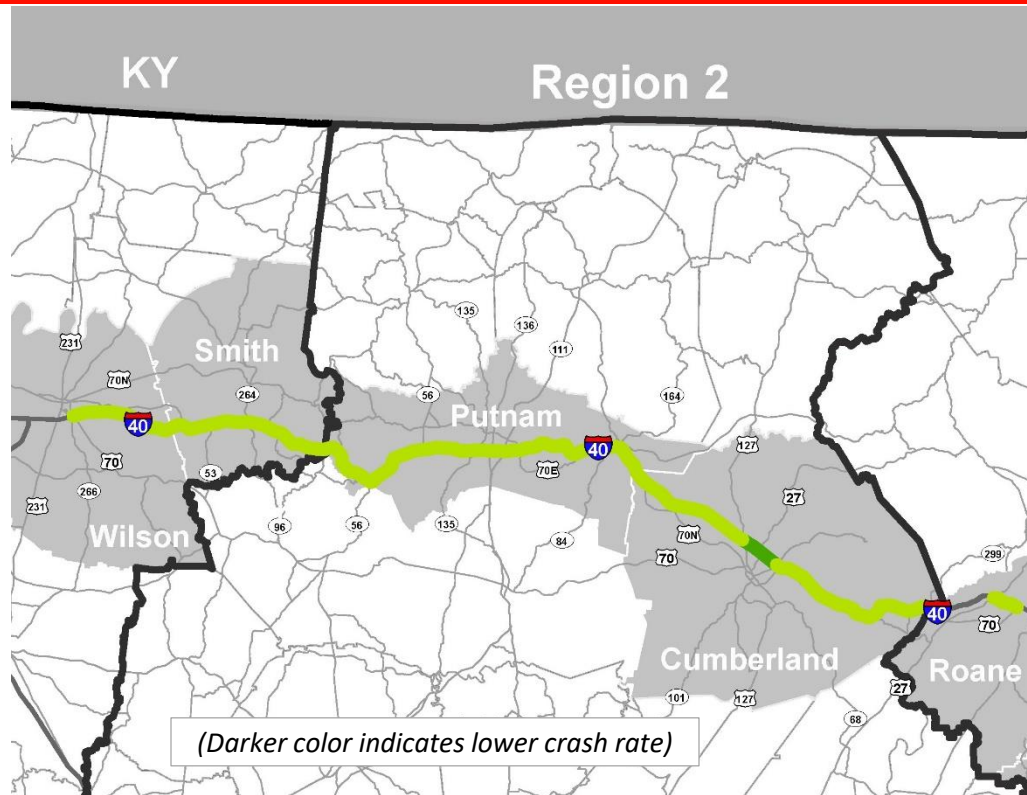
SAFETY



High-level “hot spot” identification

Key crash types being reviewed

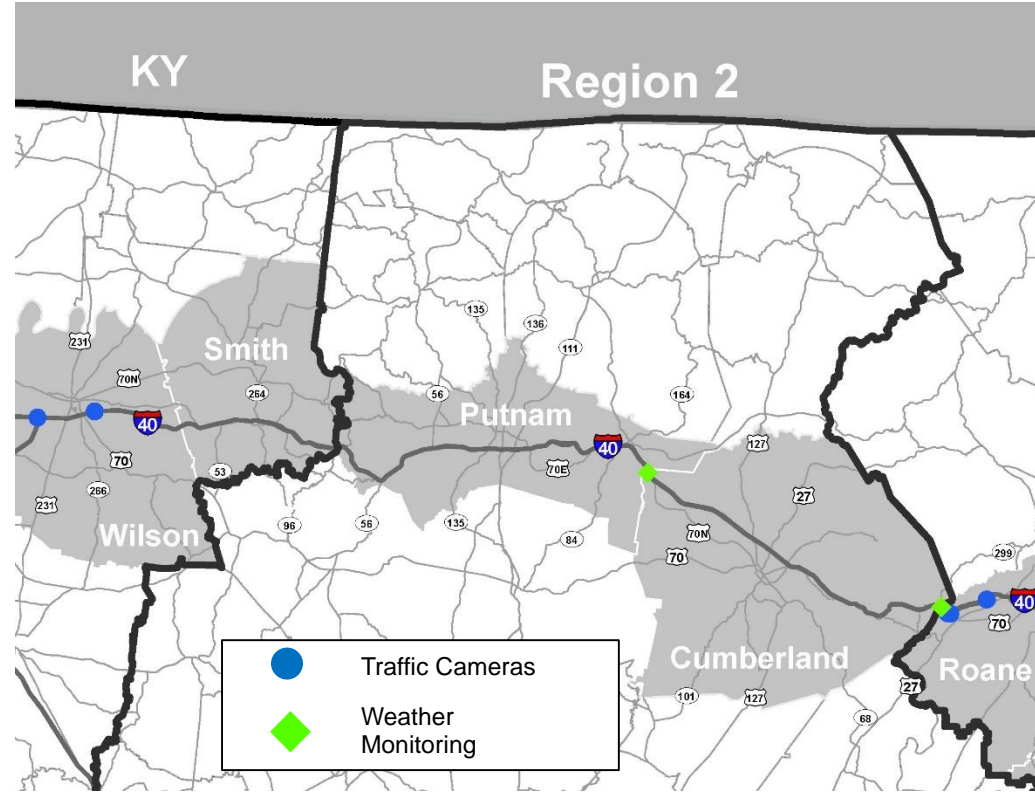
- *Truck-involved*
- *Median crossover*
- *Roadway departure*



OPERATIONS & MANAGEMENT



- Traffic management for incidents and special events
- SmartWay system (cameras, speed monitoring)
- Truck climbing lanes

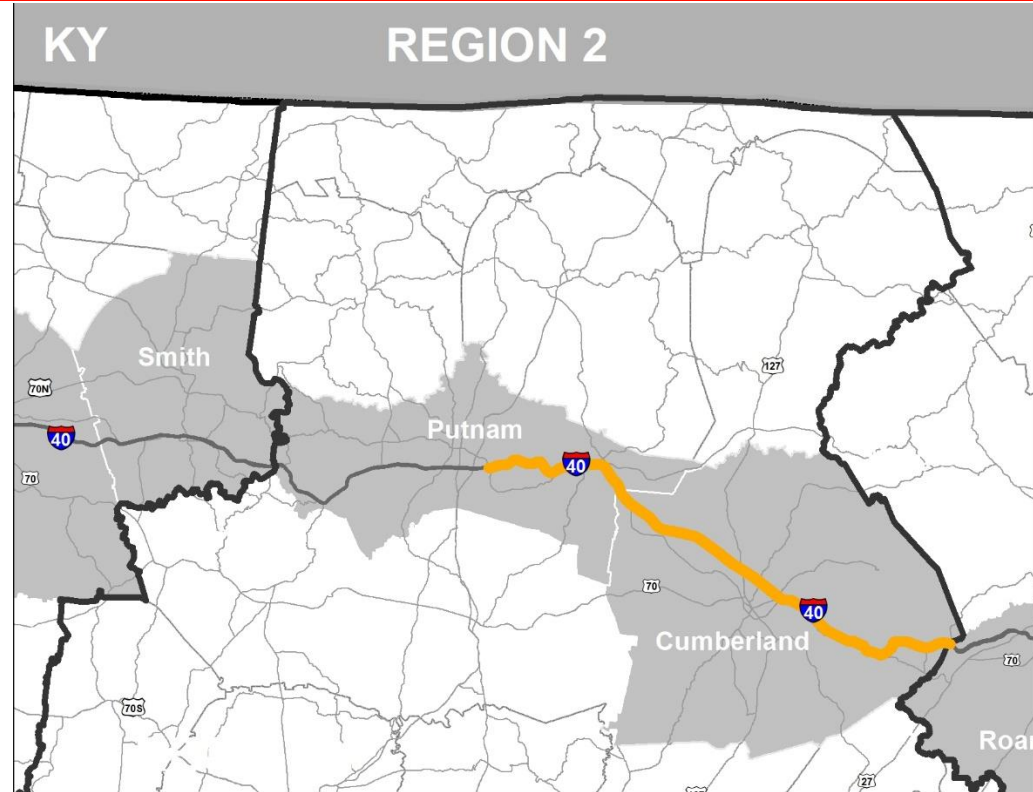


OPERATIONS & MANAGEMENT



Upcoming expansion of Smartway system

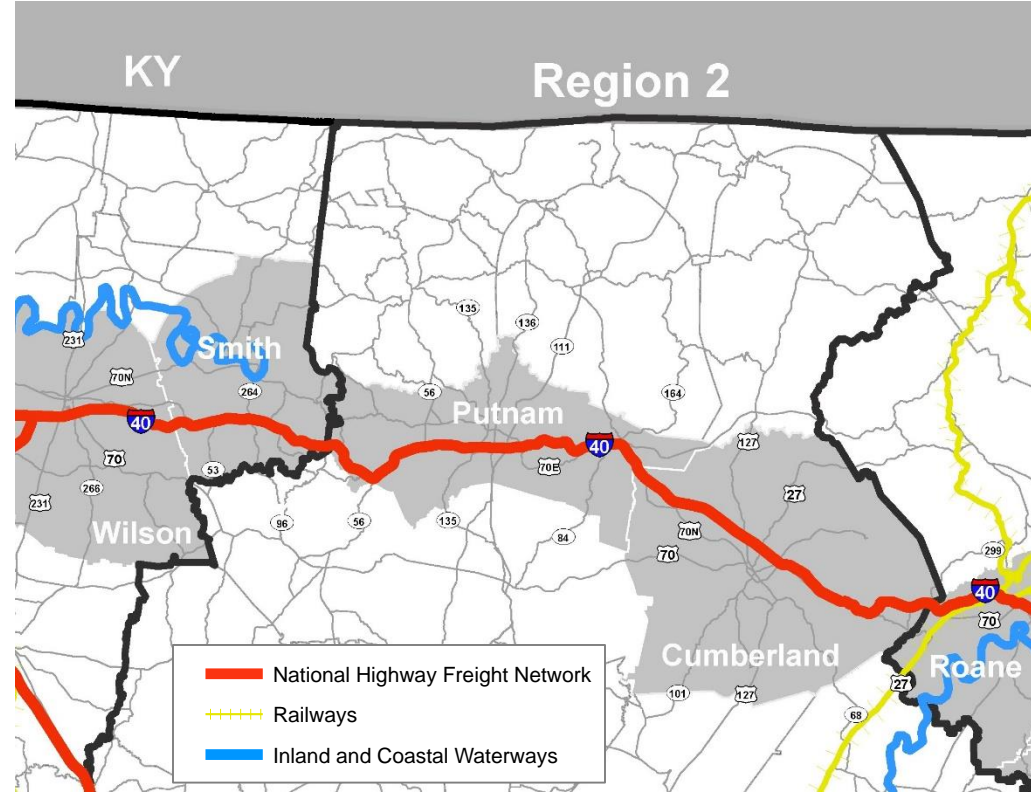
- From Cookeville to Cumberland/Roane County line
 - Exit 290 to near Exit 338
 - Highway message signs, cameras, advisory radio, speed monitoring



FREIGHT



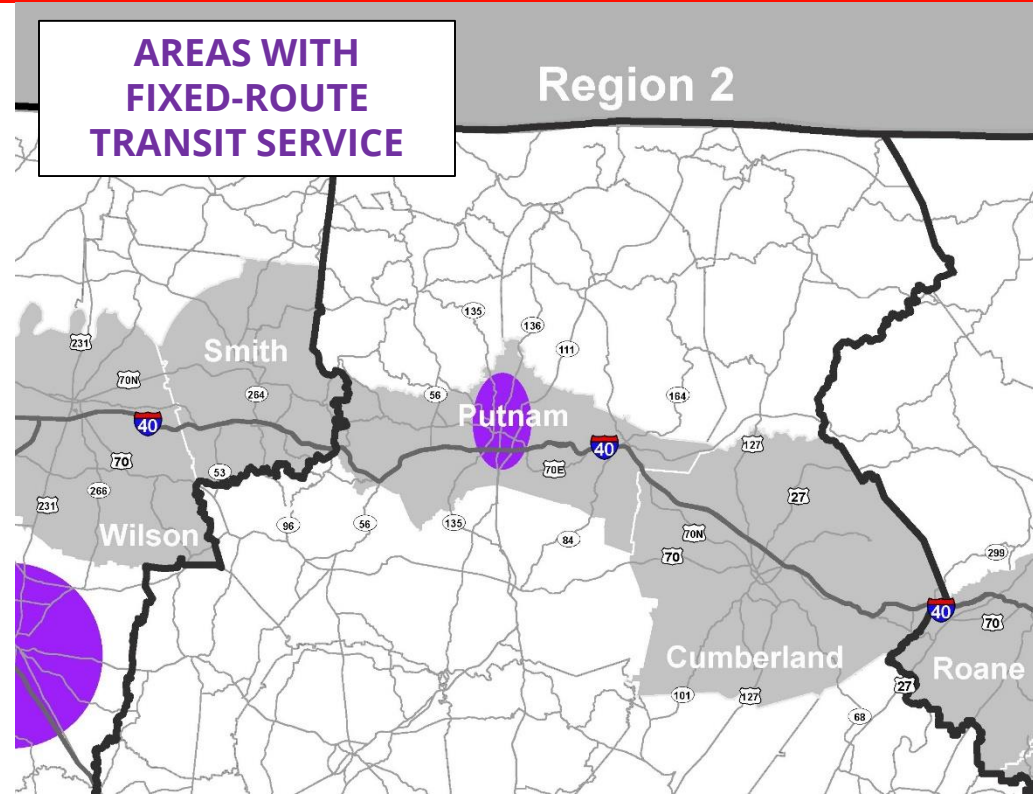
- All modes of freight
 - Highways
 - Rail
 - Ports
 - Air cargo
- Key supply chains using I-40 and I-81



TRANSIT SERVICE



- Intercity services
- Regional services
- Carpool, vanpool programs



HOW TO PROVIDE YOUR INPUT



- **Take the I-40/I-81 survey!**

www.surveymonkey.com/r/F62R7DY

(You'll also get this link in a follow-up e-mail)

- **Want to know more?**

Visit the project website:

www.tn.gov/tdot/i-40-81-study.html

(This webinar will be posted on the website.)