



ARTS CMP Update

Joint TNSC, CAC & TCC Committee Meeting

Presented by
Olen Daelhousen

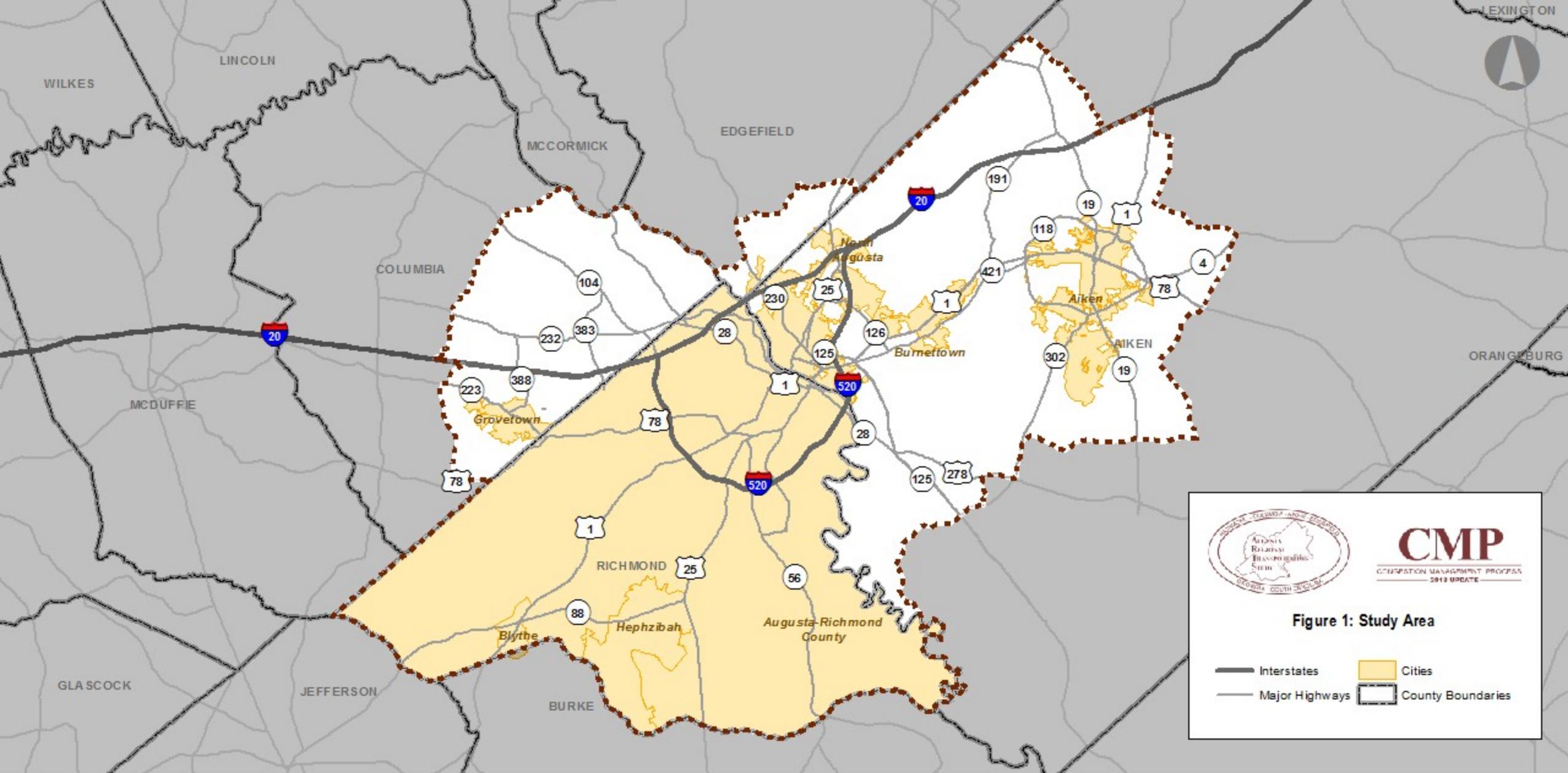
November 14, 2018
Augusta, Georgia



Congestion Management Process

- The Congestion Management Process (CMP) is a systemic process for managing traffic congestion
- Federally required in urbanized areas with a population over 200,000
- Provides information on transportation system performance
- Can assist with data driven project selection
 - Long Range Transportation Plan
 - Transportation Improvement Program






CMP
CONGESTION MANAGEMENT PROCESS
2013 UPDATE

Figure 1: Study Area

-  Interstates
-  Major Highways
-  Cities
-  County Boundaries

0 5 10 20 Miles

Sources: ARTS, GDOT, SCDOT, SCDNR Prepared by: VHB Date: September 2018

Augusta, GA Disclaimer: The data represented on this map has been compiled by the best methods available. Accuracy is contingent upon the source information as compiled by various agencies and departments both internal and external to the consolidated government of Augusta, GA. Augusta, GA and the companies contracted to develop these data assume no legal responsibilities for the information or accuracy contained on this map. It is strictly forbidden to sell or reproduce these maps or data for any reason without the written consent of the Augusta-Richmond County Commission.

Work Tasks

Task 1: Review and Conduct Assessment of the Existing CMP

Task 2: Research CMP Best Practices

Task 3: Develop a Stakeholder and Public Outreach Approach

Task 4: Data Collection and analysis of Existing and Future CMP Transportation System Network

Task 5: Analyze Traffic Congestion Problems and Needs

Task 6: Review and Refine Goals and Objectives

Task 7: Develop Multi-Modal Performance Measures

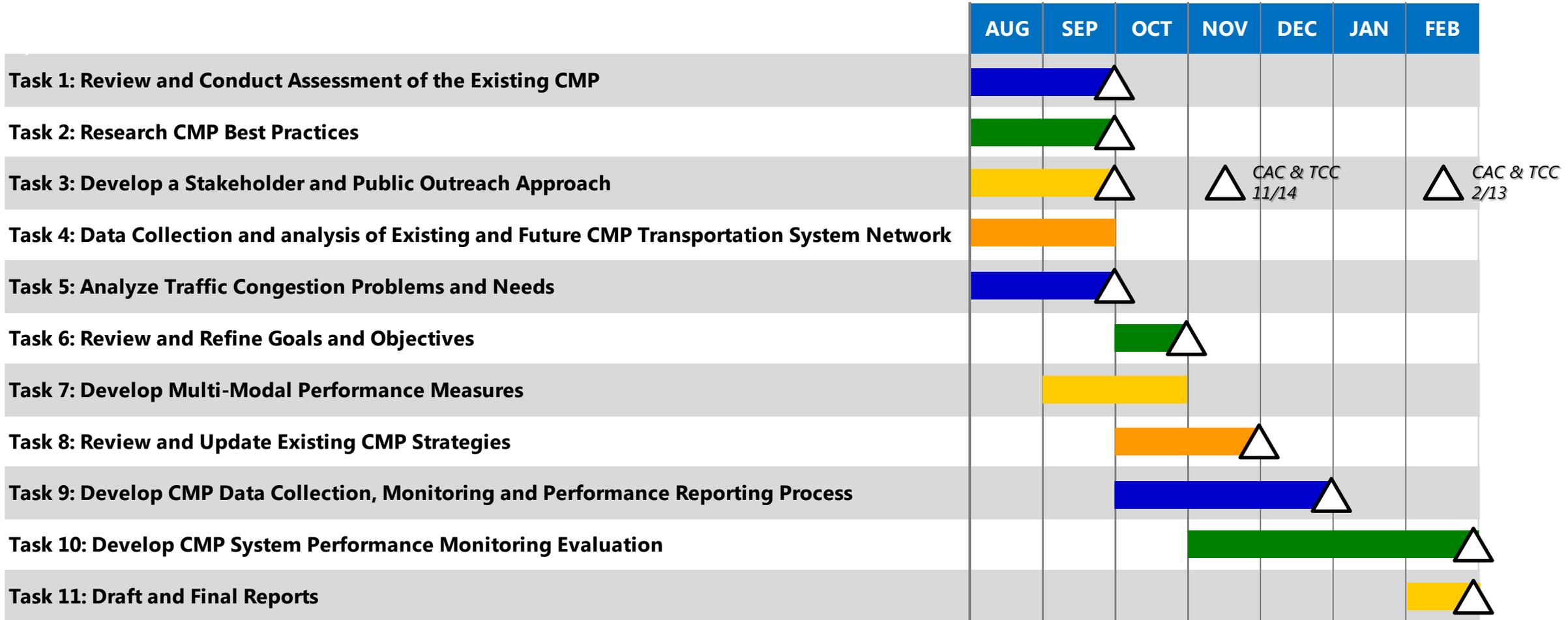
Task 8: Review and Update Existing CMP Strategies

Task 9: Develop CMP Data Collection, Monitoring and Performance Reporting Process

Task 10: Develop CMP System Performance Monitoring Evaluation

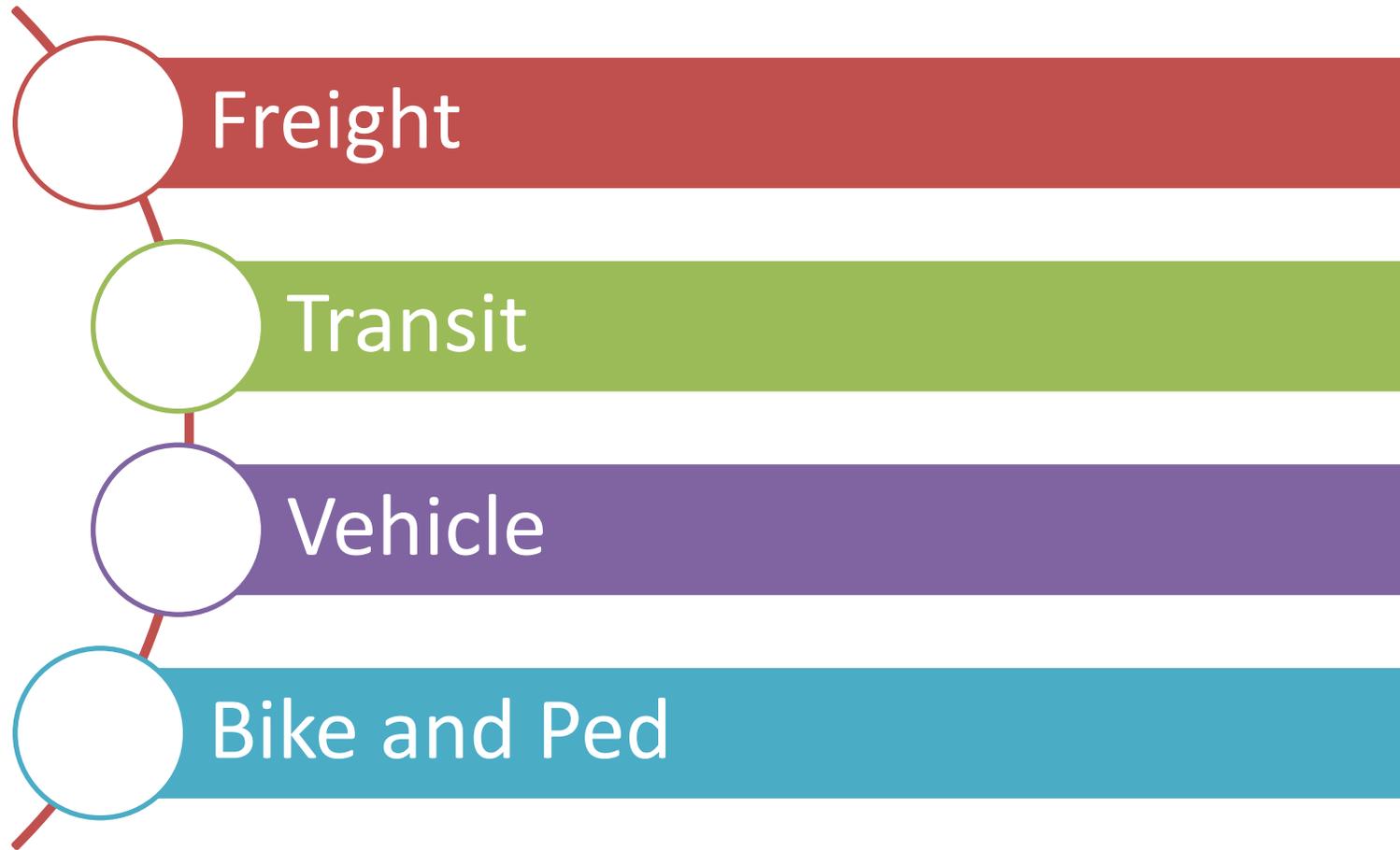
Task 11: Draft and Final Reports

Project Schedule



Draft 2/14;
Final 2/28

Modes of Transportation to Monitor



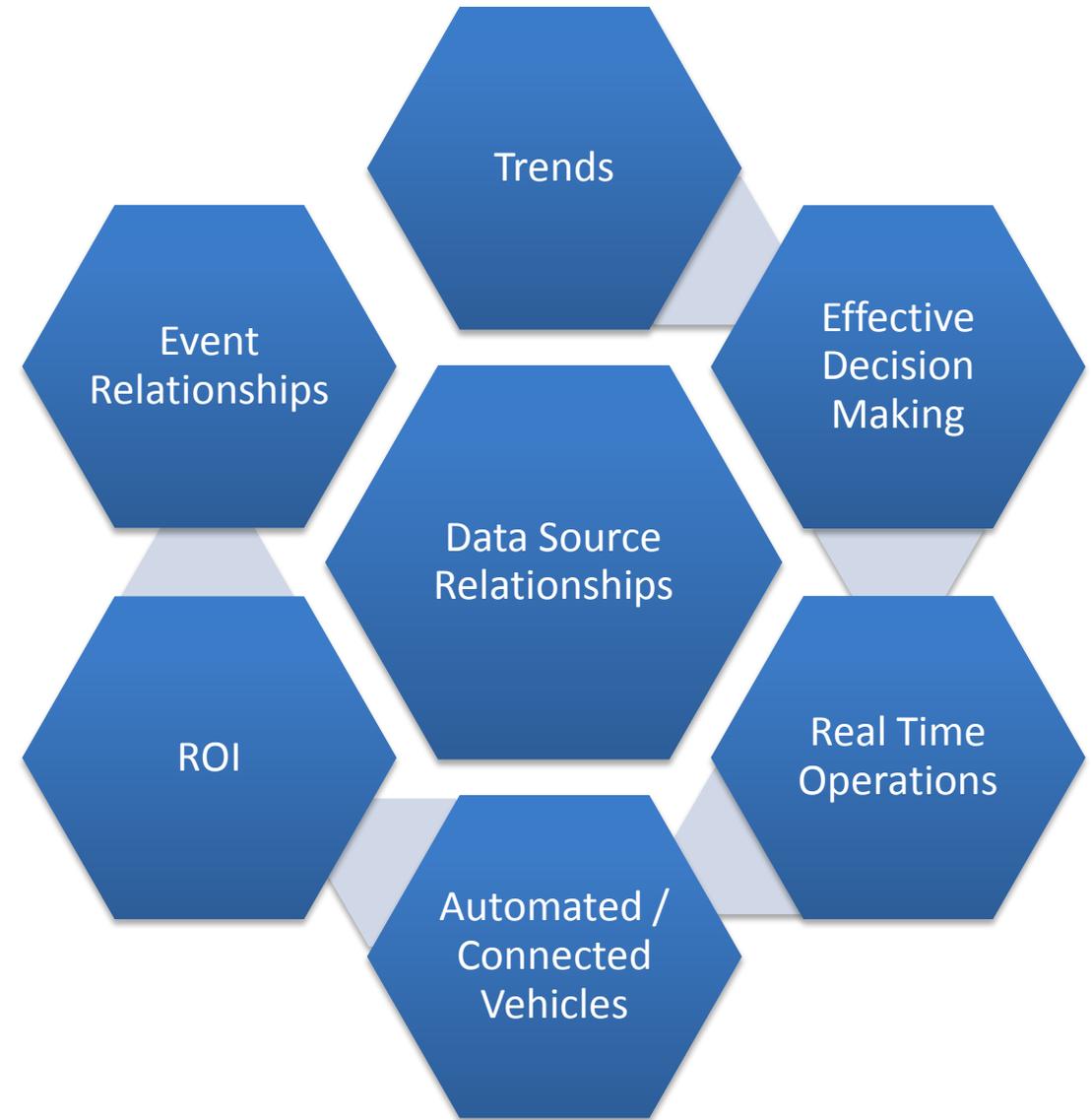
The CMP is Valuable

A Congestion Management Process allows ARTS to address congestion issues, both **recurring** and **nonrecurring** by:

- Developing performance measures to assess multimodal transportation system performance
- Identifying and analyzing causes of congestion
- Collecting data and developing strategies
- Monitoring performance and effectiveness of implemented actions

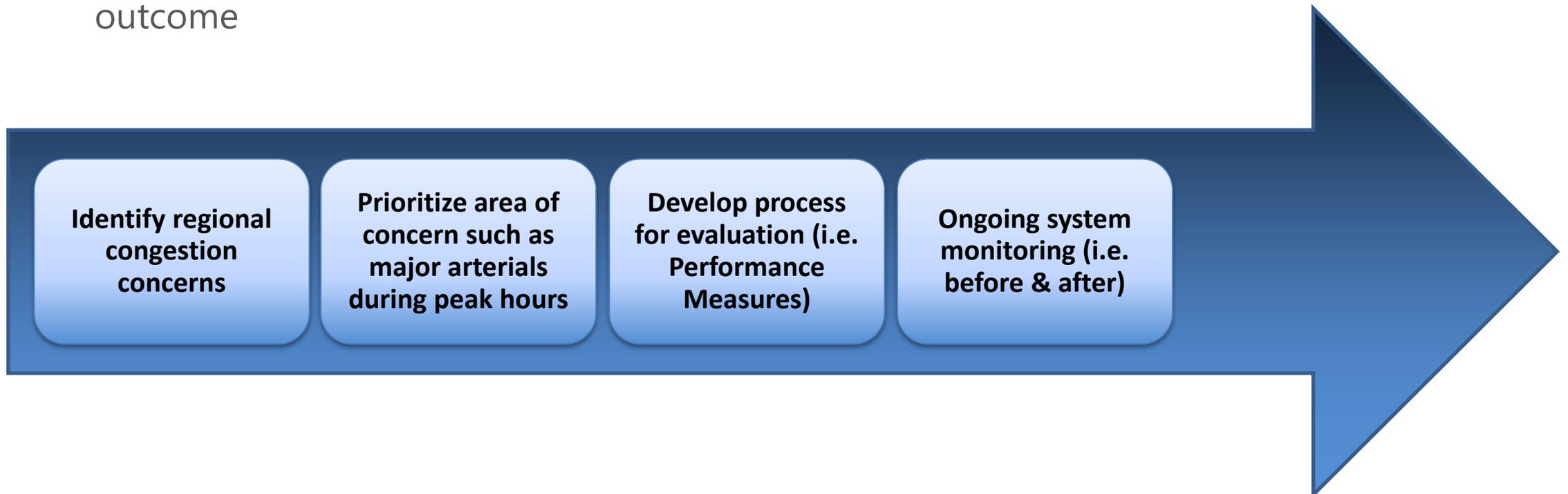
ARTS CMP Framework

- Policy Level – ARTS Committees
 - Policy Committee ensures the CMP meets regional and state goals & objectives
- Planning Level
 - Project Justification
 - Prioritization
- Network Level
 - Improvement Strategies
 - Real Time Network Monitoring



ARTS CMP Framework

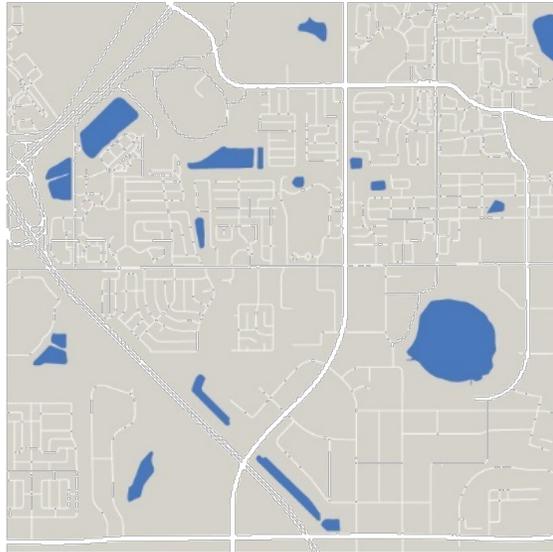
- **Vision:** Long term, desired future for the transportation system
- **Goals:** Generalized statements that broadly relate the congestion issues to values
- **Objectives:** Specific measurable statements related to the attainment of goals
- **Performance Measures:** Indicators that capture each objective's fundamental outcome



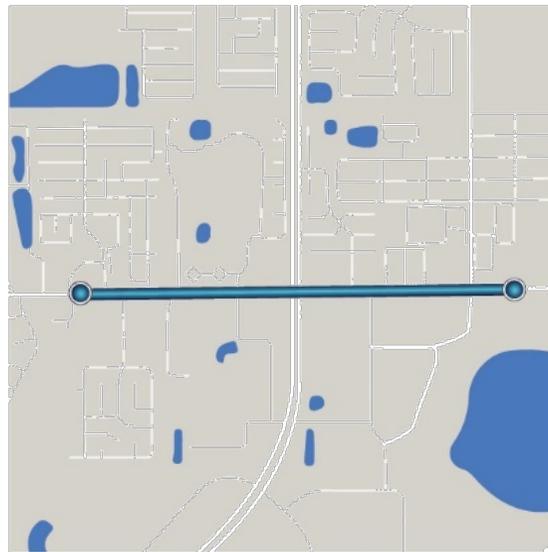
CMP Strategies

- Manage congestion
- Improve safety
- Maximize return on investment
- Improve reliability

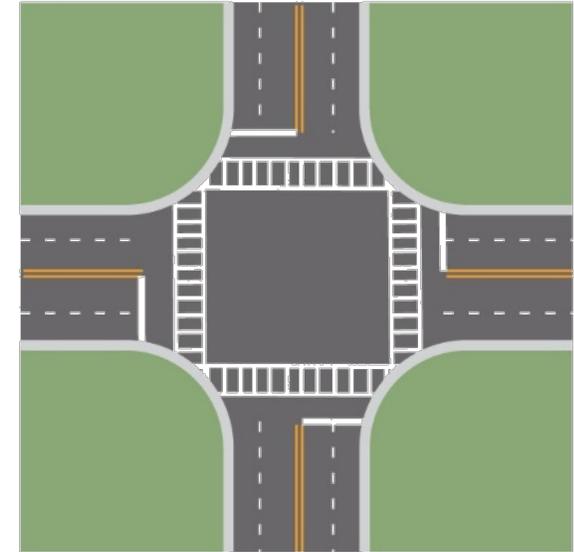
System Level



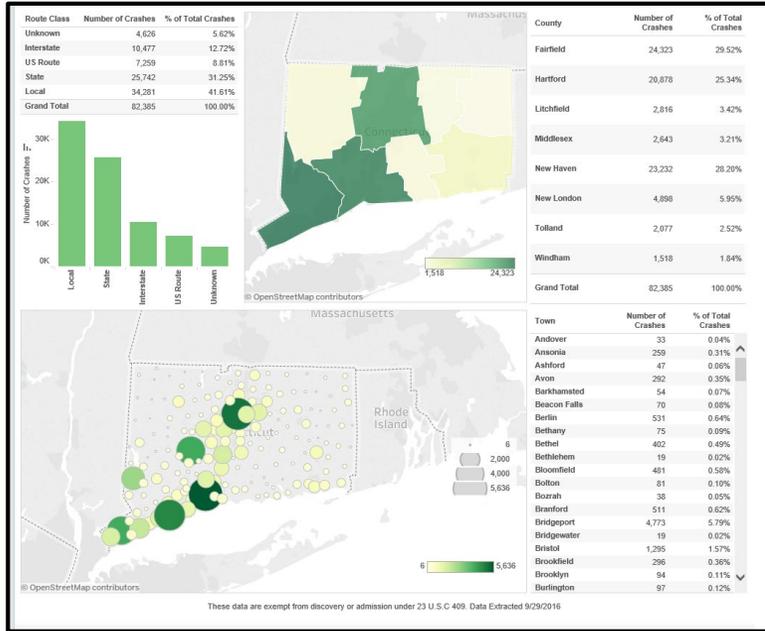
Corridor Level



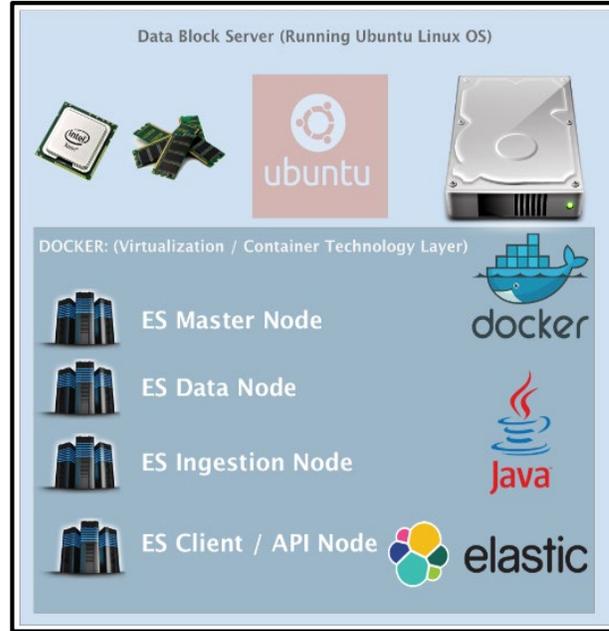
Intersection Level



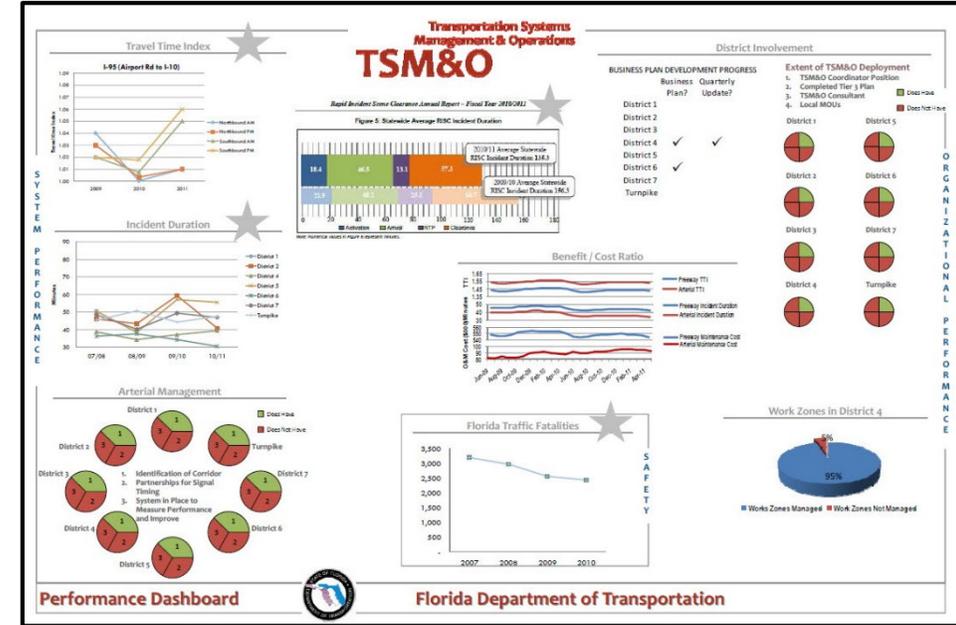
Monitoring & Dashboarding



CDOT Safety Management



VHB Data Block



FDOT TSM&O Dashboard

VHB develops architecture and manages data

Next Steps

- Data collection & analysis of existing and future CMP network
- Analyze traffic congestion problems & needs
- Review & refine goals and objectives



Questions & Answers