

AASHTO CTSO Member Survey: Topic Prioritization

December 20, 2018

Survey Methodology

- Administered to members of the AASHTO Committee on Transportation System Operations (CTSO) November 6-27, 2018
- Did not go to subcommittees or working groups
- Part of a larger survey that also asked questions about NOCoE and terminology about how states refer to operations
- Received 41 complete responses from 34 states

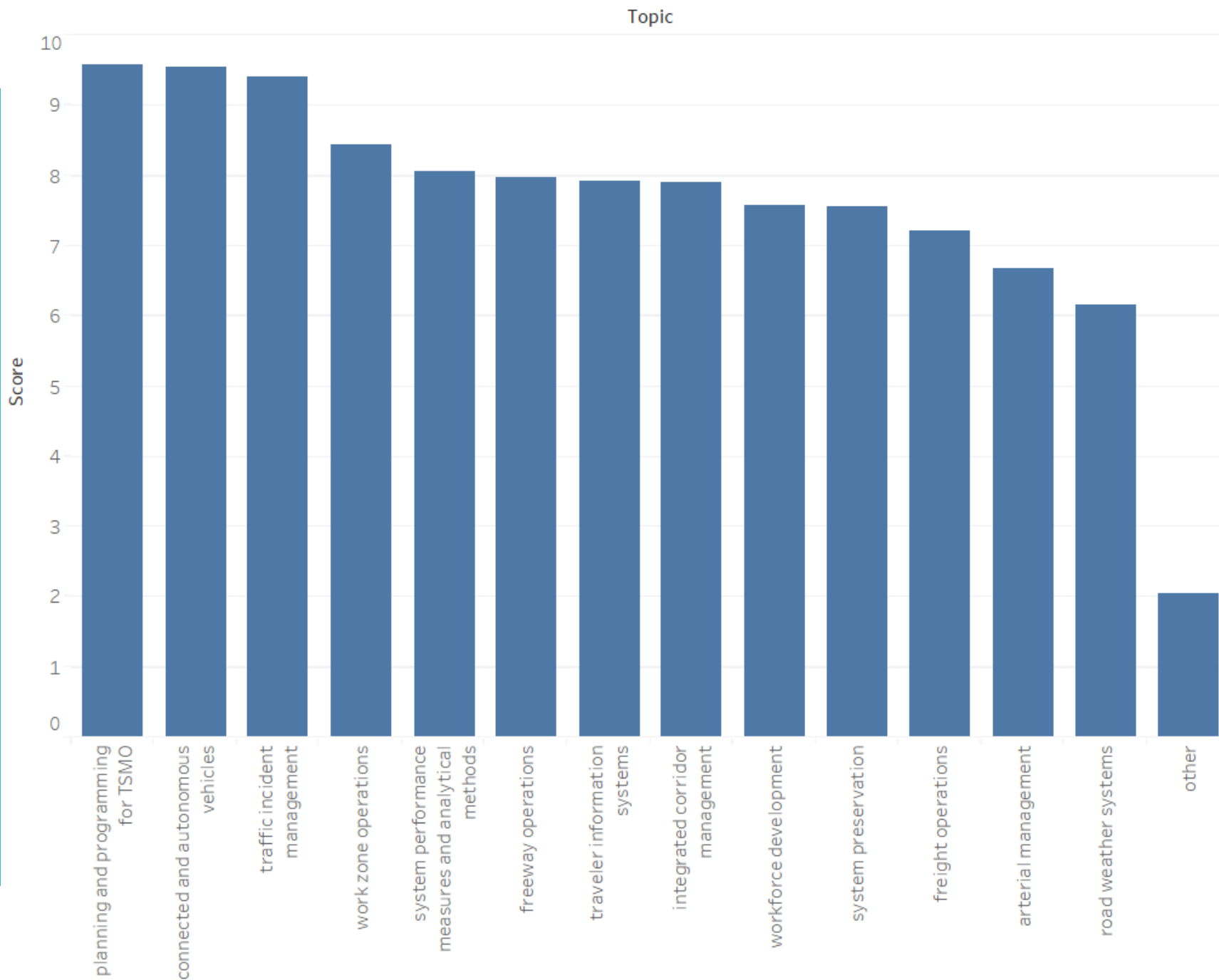
States Who Responded

1. AR
2. AZ
3. CA
4. DC
5. DE
6. FL
7. GA
8. IA
9. ID
10. IL
11. KS
12. LA
13. MA
14. MD
15. MI

16. MN
17. MO
18. MS
19. MT
20. NC
21. ND
22. NE
23. NH
24. NV
25. OH
26. OR
27. PA
28. TN
29. TX
30. UT

31. VA
32. VT
33. WI
34. WY

Please rank the following topic areas in importance, where #1 is the most important. For your #1 priority, we will ask you why this is the most important topic to you.



Planning and Programming for TSMO

- Shifting focus from construction to TSMO
- TSMO encompasses several of the other items listed and we are also in the beginning stages of kicking our "TSMO" plan off-the-ground and need support on how to make this successful.
- Planning and Programming for TSMO has been a recent initiative for us. Planning has been our best strategy to get initiatives implemented.
- We currently employ a variety of TSMO strategies, but are working on a TSMO program plan to help us be more consistent, deliberate and proactive with TSMO.
- Planning for TSMO provides us with a strategic action plan and approach to agency buy-in for all other priority topic areas
- Presentation to AASHTO Board of Directors (BoD)
 - Yes: 50%
 - Maybe: 40%
 - No: 10%

Connected and Automated Vehicles

- This topic, intertwined with road weather systems, is most important to WY because of our connected vehicle pilot and the importance of these issues to winter travel in our state.
- The technologies for autonomous cars, connected cars, and advanced driver assistance are increasing daily. There needs to be federal regulation so the states have something to adopt. At this point I feel most state are waiting for someone to make the move. With states regulating human drivers and feds regulating vehicles the autonomous way falls in an oversight category. The industry is no longer waiting for us and the technology is here.
- It is definitely a disrupter for our industry and has the potential to change everything we do
- The need to stay on top of this topic is critical as it influences our investments - and stands to impact the state's attractiveness to industry
- We have an active CV project and want to move into AV.
- Presentation to AASHTO BoD
 - Yes: 60%
 - Maybe: 40%

Traffic Incident Management

- Non-recurring congestion accounts for over 70% of the congestion in Iowa so we need to put resources into helping advance strategies in these areas.
- Improving safety and efficiency are part of our core mission as a State DOT. Traffic-incident management helps us achieve that goal.
- Presentation to AASHTO BoD
 - Yes: 33%
 - No: 66%

Work Zone Operations

- Continuous serious incidents in work zones
- Presentation to AASHTO BoD
 - Maybe: 100%

System Performance Measures and Analytical Methods

- constant strain on budgets and justification to stakeholders and customers
- PMs are becoming a requirements from multiple perspectives (fed requirements, state budgeting purposes, department priorities, etc.), and we need to be prepared.
- Presentation to AASHTO BoD
 - Yes: 50%
 - Maybe: 50%

Freeway Operations

- Map-21 Performance Measures apply to the freeways.
- Volume of people and freight movement throughout the state
- We are focused on improving our Freeway Operations System to evolve into more proactive management capabilities.
- Identify best management practices to enhance freeway operations during heavy traffic in populated areas.
- Primary purpose in our state for the major Urban areas.
- Congestion and Traffic Relief Projects focused on Operations and Mobility are high for Maryland
- Presentation to AASHTO BoD
 - Yes: 29%
 - Maybe: 42%
 - No: 29%

Traveler Information Systems

- NA

Integrated Corridor Management

- NA
- Presentation to AASHTO BoD
 - No: 100%

Workforce Development

- A transportation management practitioner requires knowledge, skills and abilities that cross many areas of expertise.
- Presentation to AASHTO BoD
 - Yes: 100%

System Preservation

- dedicated funding stream
- Presentation to AASHTO BoD
 - Yes: 40%
 - Maybe: 60%

Freight Operations

- As a TMC community, I think we have a better understanding of people movement than goods movement.
- Illinois is a significant hub for freight movement including road, rail and water. We currently have a large number of intermodal yards within the state with future freight distribution centers being planned/built. Methods to plan, design and operate our transportation system to account for large increases in freight movement will be beneficial to the state.
- Presentation to AASHTO BoD
 - Maybe: 100%

Arterial Management

- NA

Road Weather Systems

- Improving mobility during incidents and in work zones
- budget is largely based on winter maintenance and operations
- we are currently upgrading and integrating our road reporting system. This is the most public facing program in Montana
- Presentation to AASHTO BoD
 - Maybe: 66%
 - No: 33%

Other

- The ability to expand fiber coverage will align with the majority of the goals of the CTSO. Allowing for increased deployment and reliability of traffic incident management systems, ITS, CAV, integrated corridors, etc.
- Presentation to AASHTO BoD
 - Maybe: 100%

Questions?