

Governor's Advisory Council on Connected and Automated Vehicles

Subcommittee on Traffic Regulations and Safety

Welcome and Introductions



Subcommittee Goals

Subcommittee Goal

To develop recommendations for changes to statutes, rules and policies in the areas of traffic regulation, law enforcement and safety for the Governor's Advisory Council on Connected and Automated Vehicles, and assist other Advisory Council subcommittees as needed.

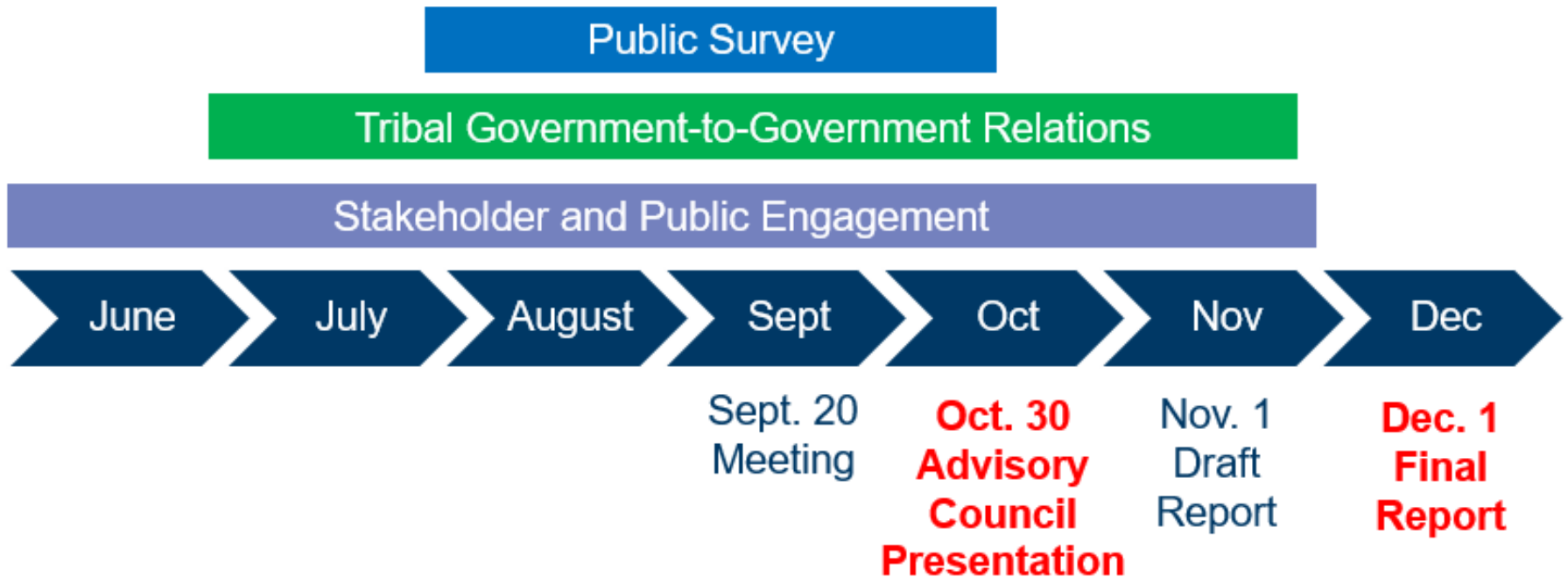
Subcommittee Process

- Participation
 - Meeting materials available on **MnDOT website**
 - Meeting updates at www.dot.state.mn.us/automated/publicmeetings.html
 - Participate in a **meaningful way**
- Discussion
 - Consider the themes of **safety, risk, equity and environment**
 - Consider immediate, **short-term outcomes**
- Recommendation
 - Clear, **consensus-based** recommendations (or reasons for differences)
 - Present recommendations to Advisory Council **October 30th**

Subcommittee Charter

- Meetings **open to the public**
- **Respectful** discussion, opportunities to be heard and **listen**
- May submit written comments on **comment cards**
- Notes taken on **consensus** or **summary** of discussion
- Meeting **notes approved by liaisons** and sent to subcommittee members for additional comments
- Meeting evaluation emailed after meeting

Key Dates





Review of Executive Order & Goals

Governor's Executive Order Establishing the Advisory Council

Consult with government, stakeholders, auto & tech industry, business, labor, advocacy groups, universities, communities experiencing transportation barriers



Prepare and submit a report to the Governor and Legislature by **December 1, 2018**



Advise and support government to support **testing and deployment** of CAV

Governor's Advisory Council on CAV

Advisory Council

Interagency CAV Team

Transportation
Infrastructure

Cyber Security
& Data Privacy

Vehicle
Registration,
Driving
Training,
Licensing

Insurance and
Liability

Traffic
Regulations &
Safety

Economic &
Workforce
Development,
Business
Opportunities

Accessibility
and Equity

Land Use &
Planning

Public
Feedback

Public
Feedback

Public
Feedback

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Governor's Advisory Council on CAV



Advisory Council Goals

1. **Brand** Minnesota as a place to test and deploy CAV
2. **Engage the public**
3. **Educate** the general public
4. **Develop actionable recommendations** to facilitate the adoption of CAV in a manner that enhances our quality of life, while providing flexibility to account for evolving technology
5. **Recommend mobility strategies**

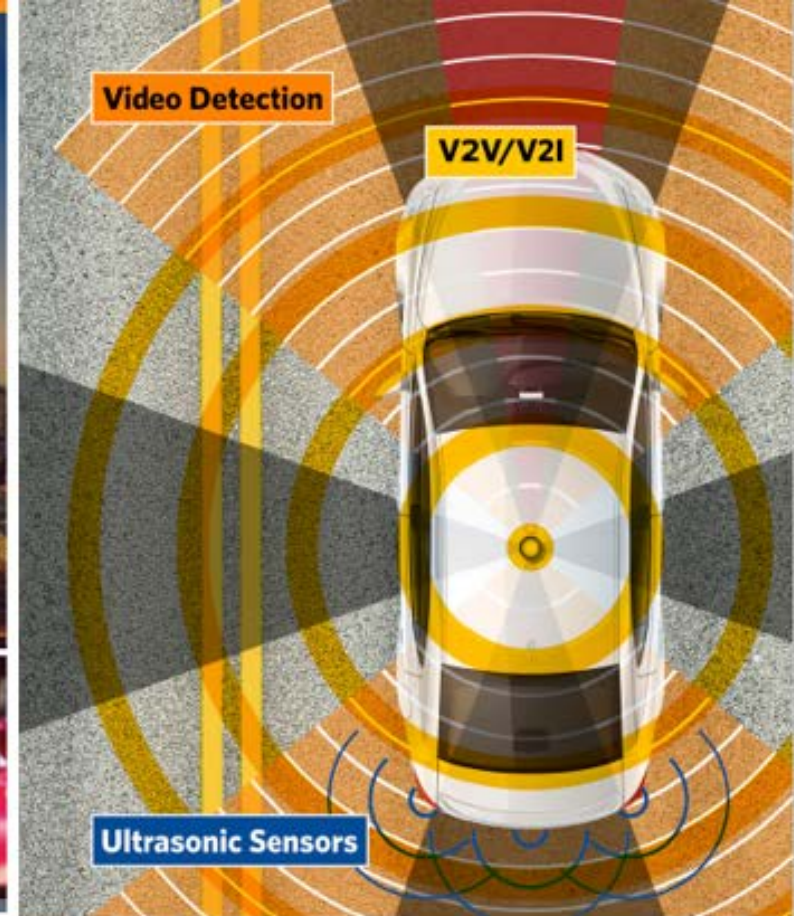
Public Feedback Opportunities



Interagency Team

- Policy position papers
- Branding
- Testing & Deployment
- Partnerships



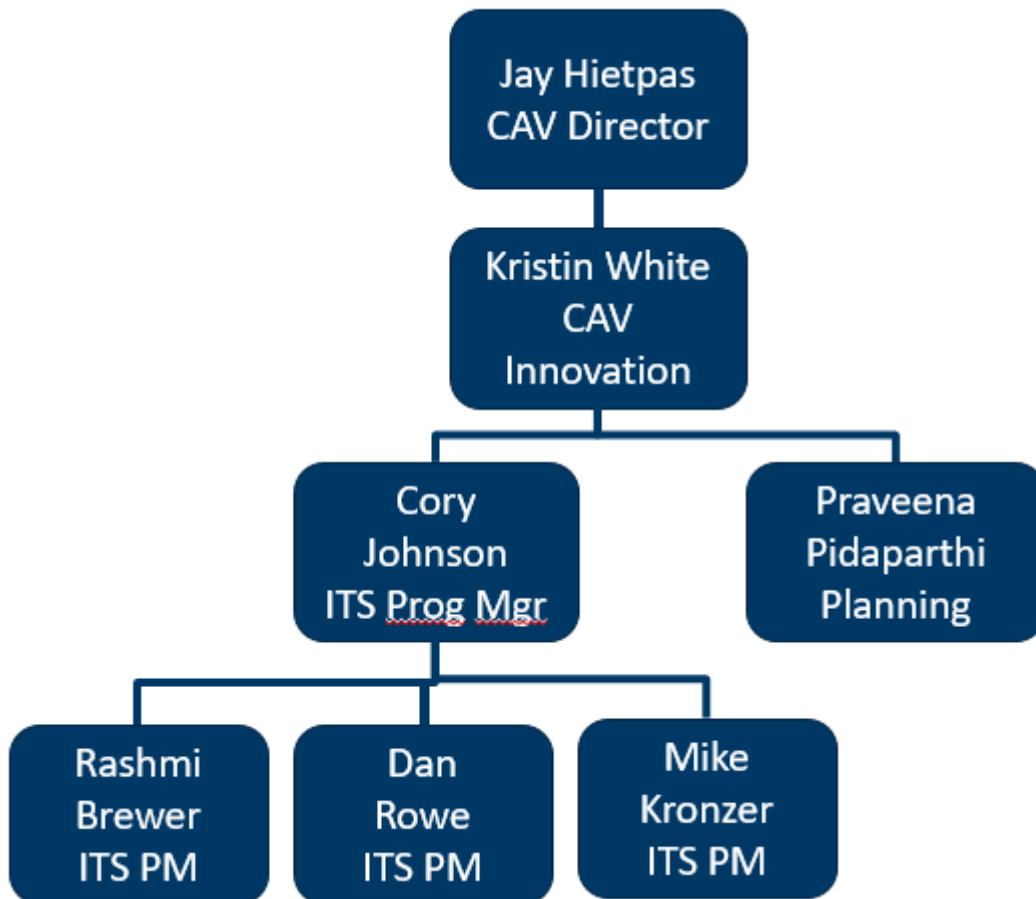


Overview of Connected & Automated Vehicles



Who We Are

MnDOT CAV-X Office





Why We're Here

Automated Vehicles



Automated vehicles can **take control** of some or all aspects of **driving tasks**.

Uses for Automation

Types of Automated Vehicles



Passenger



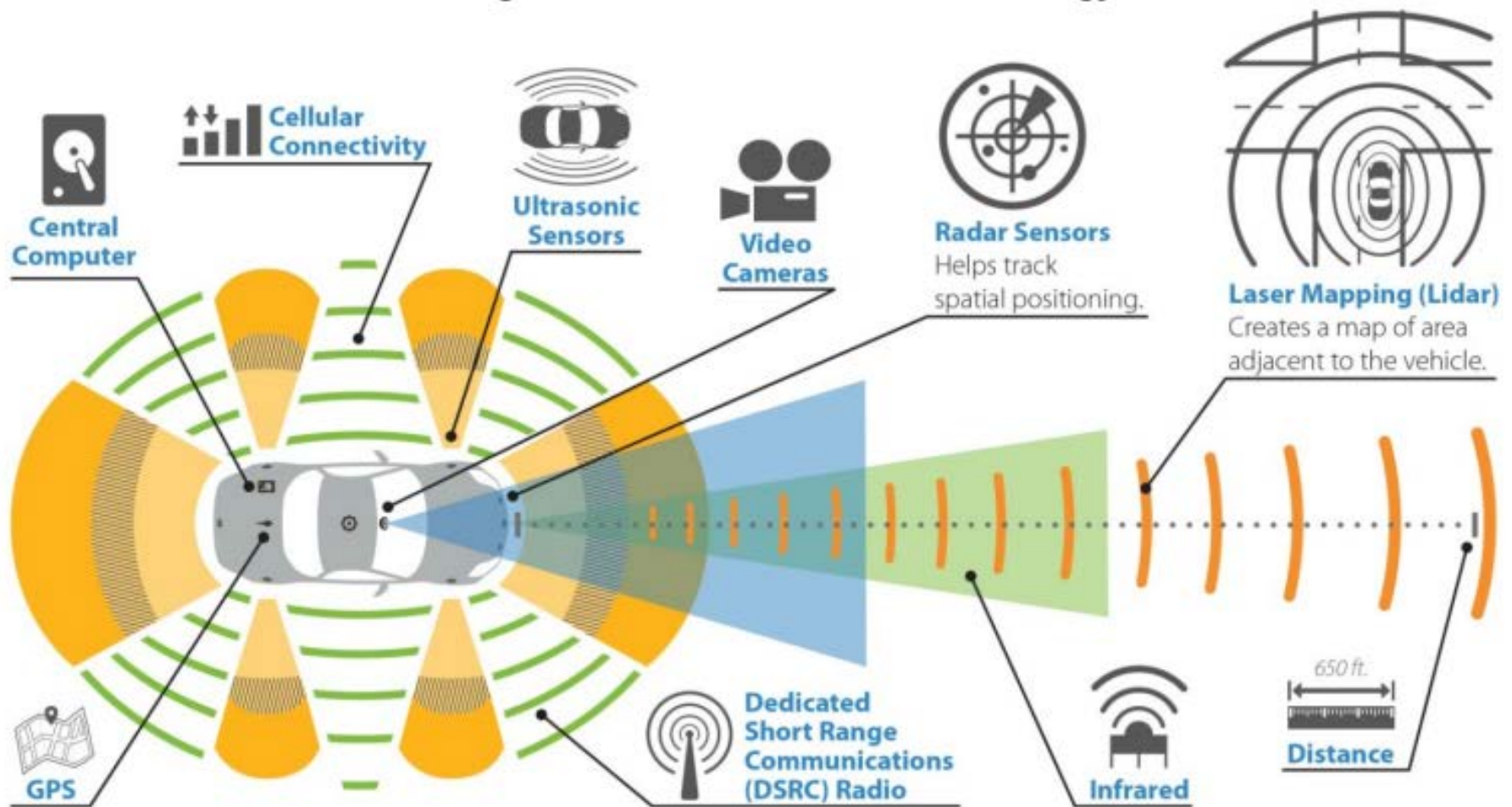
Commercial



Transit



How does it work?





0

1

2

3

4

5

No
Automation

Driver
Assist

Partial
Automation

Conditional
Automation

High
Automation

Full
Automation

Society of Automotive Engineers (SAE) Levels of Automation

Types of Automated Vehicles

Available and Future **Automation**

Today



Levels of Automation:

Adaptive Cruise Control, Auto Emergency Braking, Automatic Lane Keeping, Partial "hands off"

Future



Levels of Automation:

Possibly no steering wheel, hands off technology

Connected Vehicles



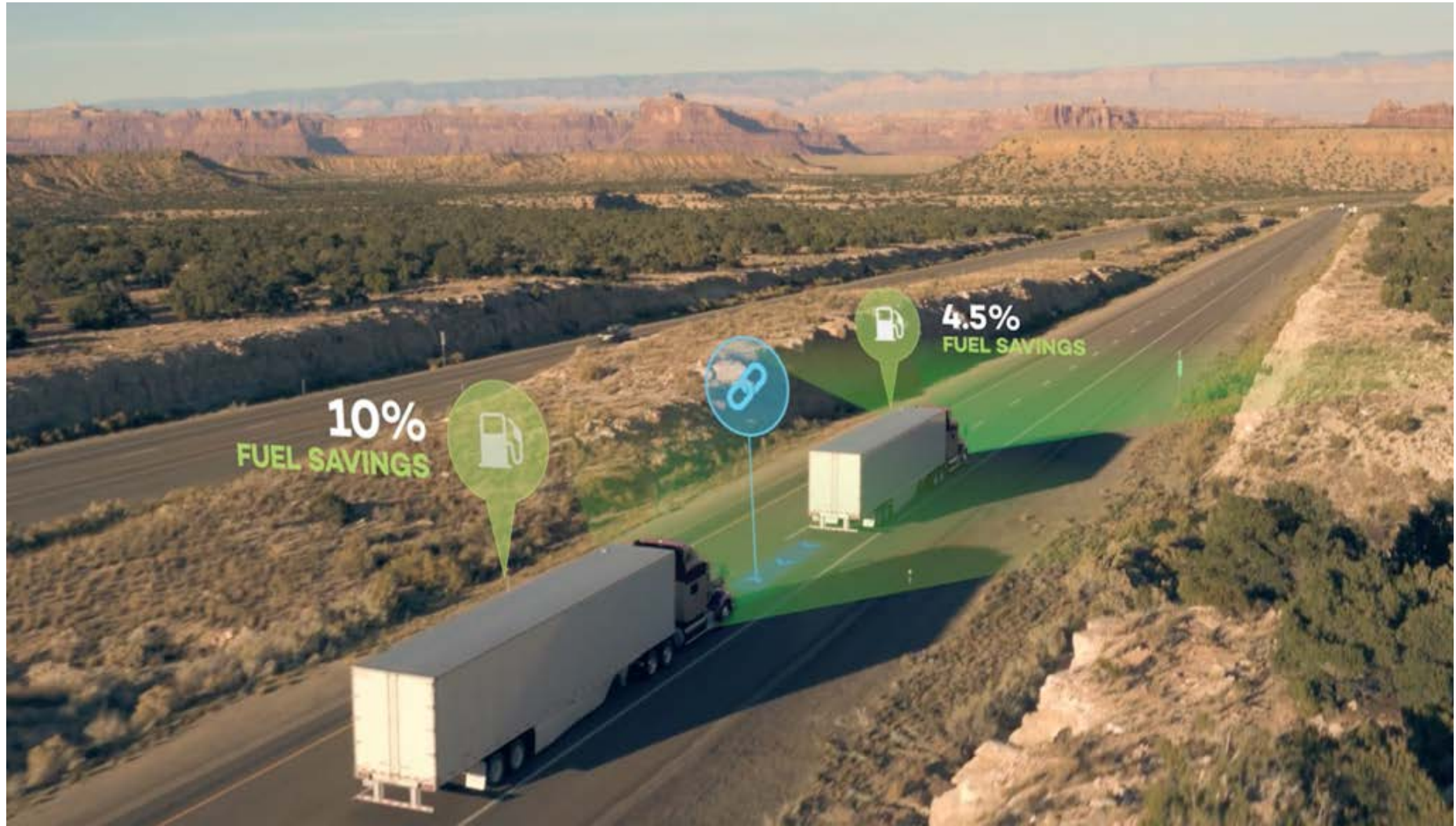
Connected vehicles **“talk”** to **infrastructure**, other vehicles, and potentially other modes (bikes, peds, transit)

Electric Vehicles



Majority of CAV being developed on **battery, solar, or electric-generator** platforms.

Truck Platooning





Traffic Regulation and Safety Impacts

Discussion

High Priority Topics

- Topics for recommendations.
 - What are important topics for your liaison to present to the Advisory Council?
 - These topics will form the basis of today's discussion and draft recommendations.

Small Group Breakouts

Breakout Session Directions

- Designate 1 recorder
- Designate 1 person to report-out
- Engage with participants in your group & ask questions
- Write thoughts on large poster or individual comments on post-it notes & add to poster

Breakout Session Questions

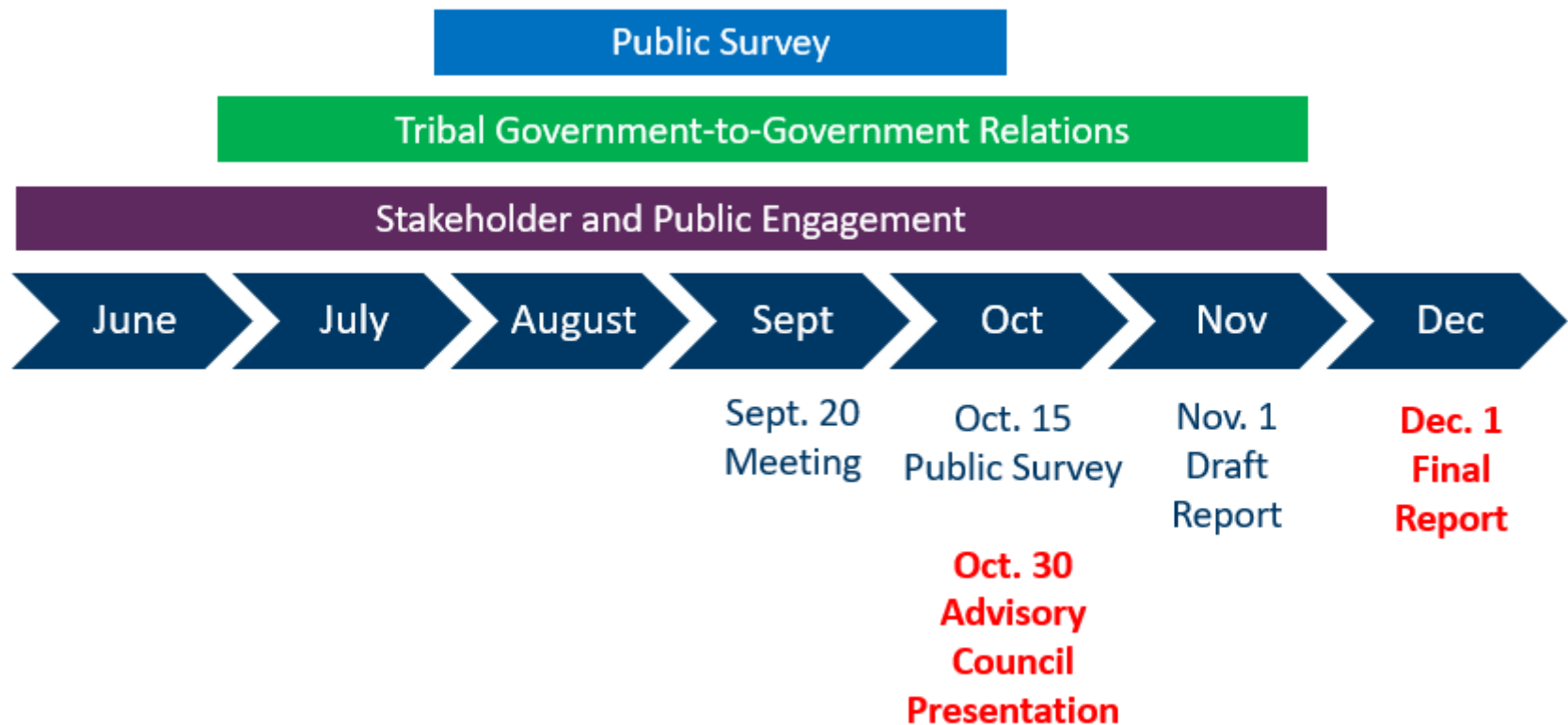
- What themes and recommendations do you want the Council to share with the Governor & Legislature?
- What policy areas or themes do you want addressed in the 2019 Legislative session?

Next Steps & Closing

Next Steps

- Comments and feedback via comment cards or CAVfacilitators@mediationcentermn.org
- Participants review meeting minutes
- Post-meeting online survey
- Public CAV survey on www.state.mn.us/automated/
- Next meeting if necessary
- October 30th: Present to Advisory Council

Key Dates



Thank you

**Colonel Matthew Langer
Mn Department of Public Safety
Subcommittee Liaison**