#4 Speaker

- Shane Zumpf | Trihydro Corporation

“Traffic Management Center 2.0
Lessons in Integrating a Connected Vehicle Environment”
Interstate 80 Corridor
Connected Vehicle Pilot

Vince Garcia
Wyoming DOT
Choosing the right applications

How to go about choosing the applications you want to implement

Stakeholder engagement

Budget

Addressing current pain points
In-Vehicle Applications

Pilot Applications

EN-ROUTE HAZARD AWARENESS

Using Dedicated Short Range Communication (DSRC) capability between vehicles and roadside infrastructure to provide new applications to support driver awareness.

VEHICLE TO VEHICLE
- Forward collision warning
- Distress notification

VEHICLE TO INFRASTRUCTURE
- Alerts and advisories
- Road weather warnings
- Work zone warnings
Vince’s Rules

1. No new applications specifically for CV
2. No additional personnel
3. No additional tasks for TMC Operators
4. Little additional training required

*We need to integrate CV technology and TIM delivery with no disruption for the operators.*
Lessons Learned

- Tracking TIMs is tough
- SCMS only supports 2 weeks max on TIM times
- SCMS integration isn’t easy
- ASN.1 integration takes getting used to
- All TMCs/TOCs are different
On-Prem or Cloud integration

Standards Support

TIM Management Website

API for TMC application integration

TIM Support for

HSM integration
SCMS integration
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