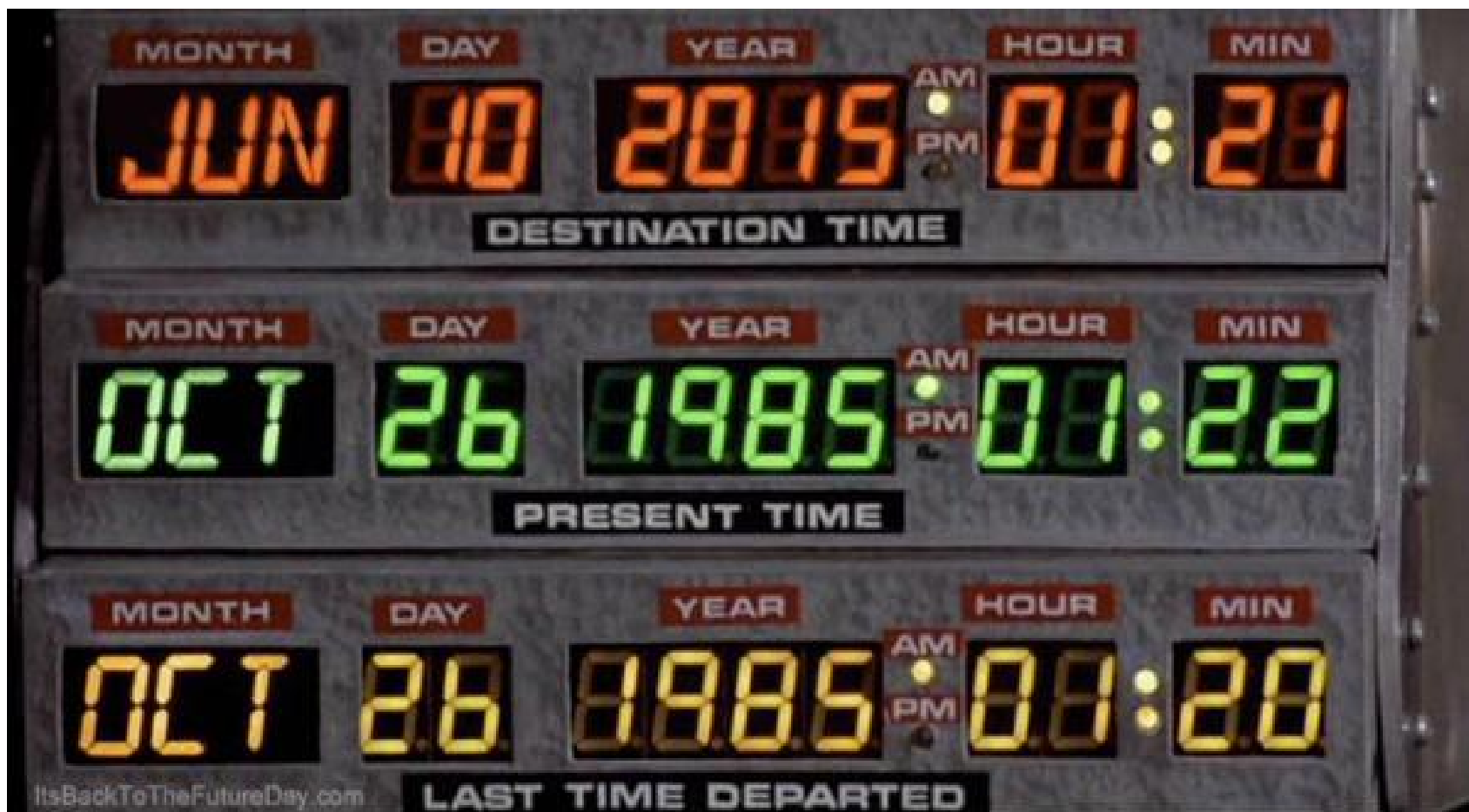


# V2I Deployment Coalition Introduction

Jim McDonnell, P.E.  
Program Director, Engineering  
AASHTO



# Vision and Mission

- **Vision**

- An integrated national infrastructure that provides the country a connected, safe, and secure transportation system taking full advantage of the progress being made in the Connected and Autonomous Vehicle arenas.

- **Mission**

- To work collaboratively with industry, state, and local governments, academia, and USDOT to achieve the goal of deploying and operating a functioning V2I infrastructure.

# Objectives of the V2I Deployment Coalition

- Provide leadership on Connected Vehicle (CV) Program deployment efforts
- Establish CV deployment strategies
- Lead and provide support on continued technical research for CV
- Support CV standards development
- Provide input to and refinement of CV guidance

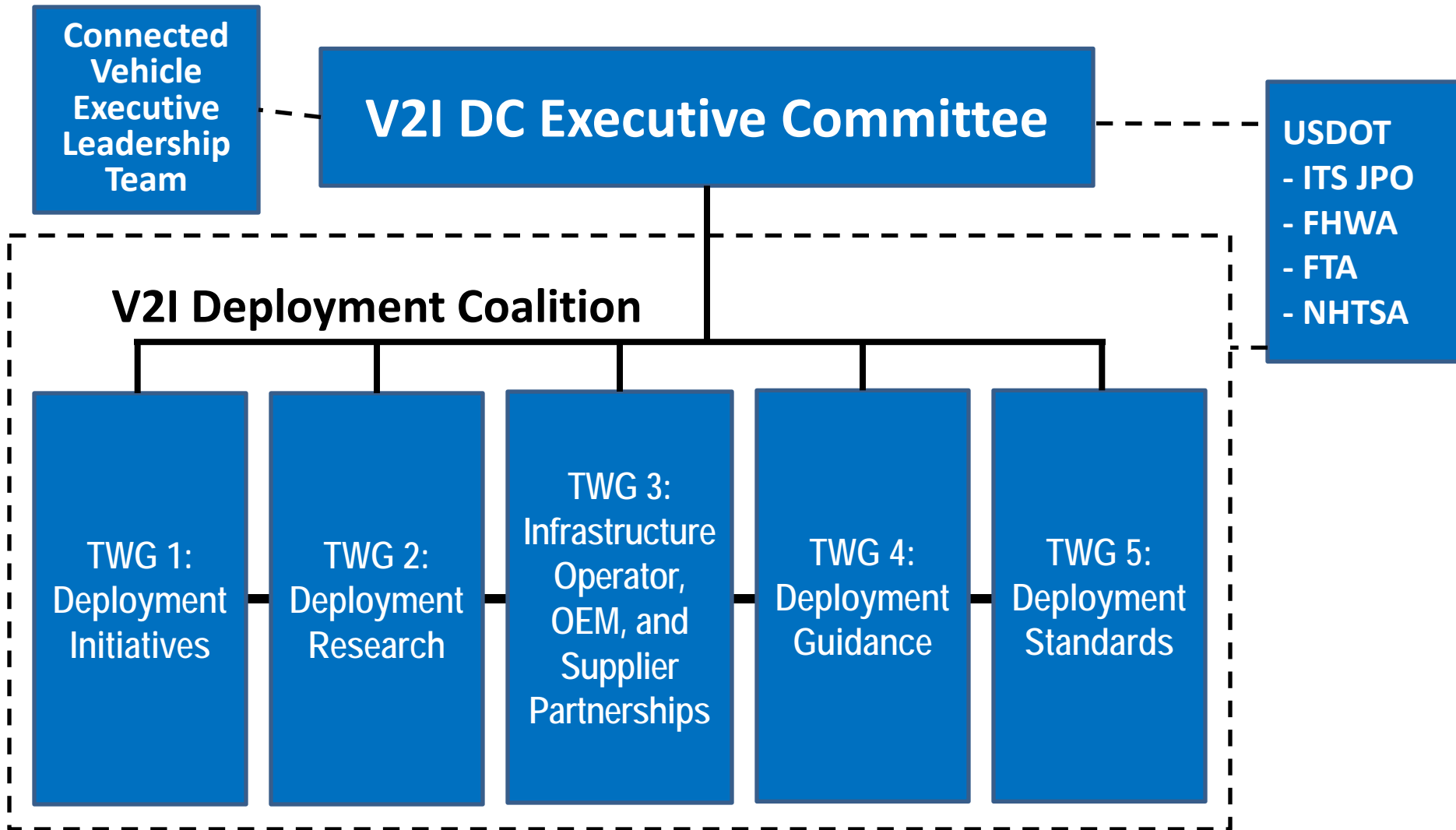
# Expected Outcomes

- Offer critical input through proposed project deliverables and technical memoranda that:
  - ✓ Identify enhancements needed to the V2I Guidance document and other V2I deployment tools
  - ✓ Identify best approaches and practices to advance V2I deployment
  - ✓ Identify research gaps and approaches to overcome them
  - ✓ Sustain a strong peer exchange framework

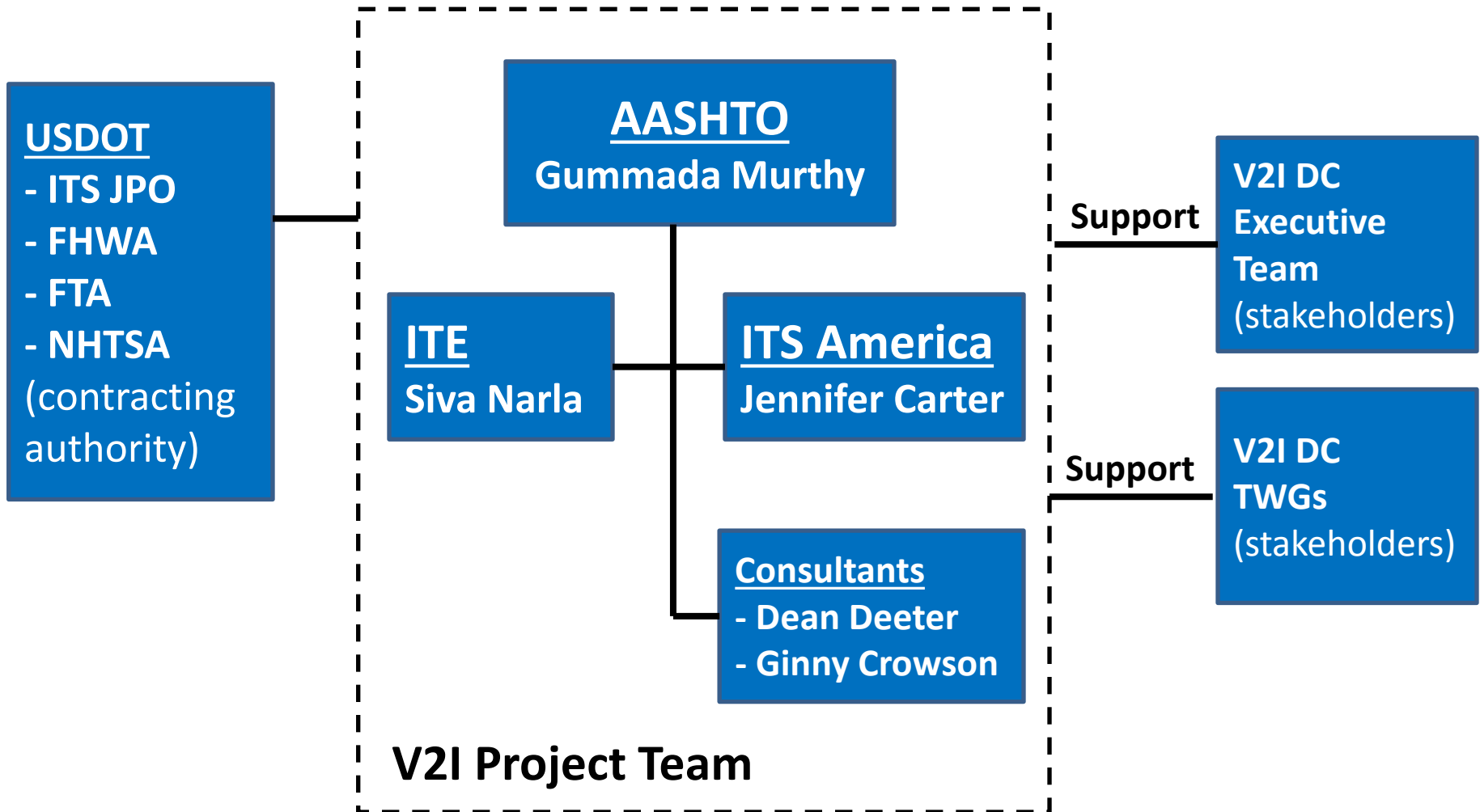
# Products Anticipated

- Up to 6 technical memos per year
  - Planning, technical, or operational issues requested by stakeholder recommendation
- Provide support for outreach
  - Develop customized modules to address technical, policy, and operational aspects of CV deployment
  - Conduct education to broader stakeholder community about the potential benefits of CV deployment
- Rapid response activities to be determined

# V2I Deployment Coalition Structure



# V2I Project Team Structure





# Key activities to date

First meeting held June 4-5 in Pittsburgh in conjunction with ITS America Meeting.

Purpose:

- Initiate the V2I Deployment Coalition
- Exchange information on the status of the Connected Vehicle Program
- Provide stakeholder input on the V2I Implementation Guidance and the Connected Vehicle/Autonomous Vehicle research programs
- Identify priority issues associated with V2I deployment

# Technical Working Groups

- Where the bulk of the work will get done
  - By volunteers
  - With help from V2I DC project team
- Have identified 5 groups to start
  - TWGs may be added or modified as the coalition members further define their needs

# Technical Working Groups

- Discuss issues prioritized by the Deployment Coalition
- TWGs will work toward defining actions that are needed to resolve the issues associated with V2I deployment
- Limited resources, so not expected to solve all issues identified

# Participation in the Technical Working Groups

- Chaired by State DOT representatives
- TWGs open to entire stakeholder community
  - Contact V2I DC project team or TWG chair if you are interested in being involved in one of the Technical Working Groups

# TWG Leadership

TWG Name	TWG Chair / Co-Chair	TWG Liaison (V2I DC Project Team)
TWG 1: Initiatives	Bill Legg, Washington State DOT (chair) Gary Duncan, Econolite (co-chair)	Dean Deeter, consultant
TWG 2: Research	Greg Larson, Caltrans (chair) Rob Bertini, Cal Poly State (co-chair)	Patrick Zelinski, AASHTO
TWG 3: Partnerships	Matt Smith, Michigan DOT (chair) Roger Berg, DENSO (co-chair)	Jennifer Carter, ITS America
TWG 4: Guidance	Elizabeth Birriel, Florida DOT (chair) Faisal Saleem, Maricopa County (co-chair)	Ginny Crowson, consultant
TWG 5: Standards	Ed Seymour, TTI (chair) Gary Duncan, Econolite (co-chair)	Siva Narla, ITE

# Additional State DOT Members of V2I DC TWGs

## **TWG 1, Initiatives**

- Mark Kopko, PA
- Blaine Leonard, UT
- Reza Karimvand, AZ

## **TWG 2, Research**

- Jianming Ma, TX
- Scott Marler, IA

## **TWG 3, Partnerships**

- Richard McDonough, NY
- Ray Starr, MN
- Melissa Lance, VA

## **TWG 4, Guidance**

- Bob Koeberlein, ID
- Scott Marler, IA

## **TWG 5, Standards**

- Andy Mao, TX
- Ray Starr, MN
- Richard McDonough, NY

# Other Participating Entities

- City of Anaheim, CA
- SANDAG
- MTC (Bay Area)
- Maricopa Cty, AZ
- Palm Beach Cty, CA
- Montgomery Cty, MD
- Contra Costa TA
- RCOC
- Ford
- Toyota
- General Motors
- CMU
- Cal Poly St Univ
- VTTI
- California PATH
- Xerox
- Siemens
- Econolite
- Cisco
- NXP
- Meritor Wabco
- Kimley Horn
- DENSO
- TransCore
- Iteris
- HERE
- Savari

# For more information:

Gummada Murthy, P.E., Ph.D.  
Associate Program Director, Operations  
AASHTO

[gmurthy@aashto.org](mailto:gmurthy@aashto.org)