# In-Person CV-PFS Meeting

## Connected Intersections Program: Program Management and Technical Support

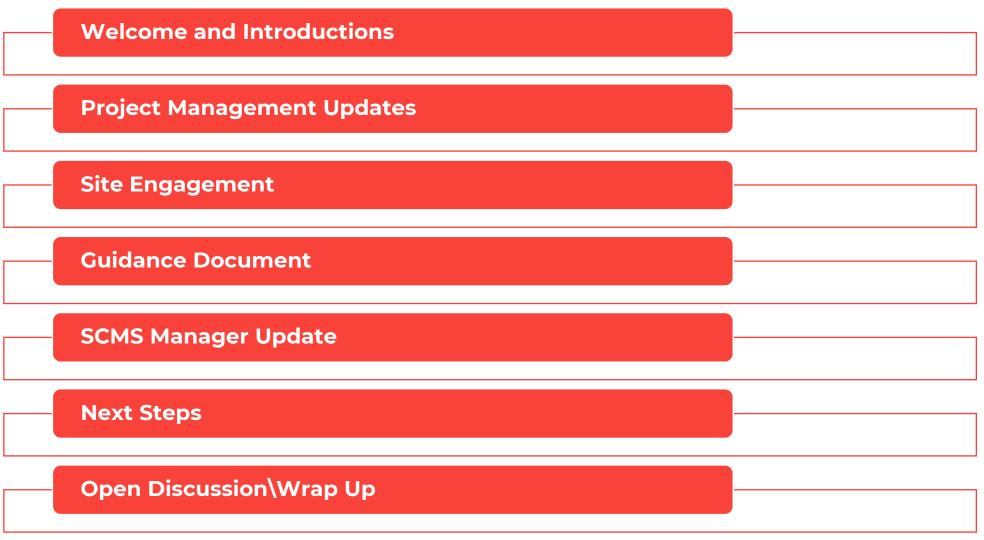*May 7, 2025*

# Welcome and
# Review of Meeting Agenda

# Agenda

**Welcome and Introductions**

**Project Management Updates**

**Site Engagement**

**Guidance Document**

**SCMS Manager Update**

**Next Steps**

**Open Discussion\Wrap Up**

# Project Management Updates

# Background

— Phase I
  — Develop Connected Intersection Deployment Guide
  — Test SPaT, MAP, and RTCM in deployments in Georgia, Utah, and Ohio against 4501 requirements
  — Participate in SCMS Manager Working Groups

— Phase II
  — Update Deployment Guide
  — Test additional 4501 SPaT, MAP, and RTCM requirements in Georgia, Utah, and Ohio against additional 4501 requirements
  — Participate in SCMS Manager Working Groups

# Scope

— Phase III (Current)
  — Solicit feedback on Guidance Document from agencies that are just starting their deployments
    — VTTI\VDOT, San Diego \Caltrans, and Phoenix\MCDOT
  — Update Deployment Guide
    — Provided "interim" document update in April (2025)
    — Plan to provide final update in December (2025) (contract ends)
  — Test the new sites against 4501
  — Participate in SCMS Manager Working Groups

# 2025 Schedule

| Task Name | Duration | Start | Finish |
|---|---|---|---|
| NTP | 0 days | Mon 12/16/24 | Mon 12/16/24 |
| 1. PM | 243 days | Mon 12/16/24 | Fri 12/19/25 |
| 2. Site Engagement and Technical Support | 125 days | Mon 12/16/24 | Mon 6/30/25 |
| VTTI\VDOT | 125 days | Mon 12/16/24 | Mon 6/30/25 |
| San Deigo\Caltrans | 125 days | Mon 12/16/24 | Mon 6/30/25 |
| Phoenix\Maricopa County | 125 days | Mon 12/16/24 | Mon 6/30/25 |
| 3. Testing and Analysis | 102 days | Tue 7/1/25 | Thu 11/20/25 |
| 3.1. Data Collection | 12 days | Tue 7/1/25 | Wed 7/16/25 |
| VTTI\VDOT | 2 days | Tue 7/1/25 | Wed 7/2/25 |
| San Deigo\Caltrans | 2 days | Tue 7/8/25 | Wed 7/9/25 |
| Phoenix\Maricopa County | 2 days | Tue 7/15/25 | Wed 7/16/25 |
| 3.2. Data Analysis and Report | 87 days | Tue 7/22/25 | Thu 11/20/25 |
| VTTI\VDOT | 67 days | Tue 7/22/25 | Thu 10/23/25 |
| Data Analysis | 25 days | Tue 7/22/25 | Mon 8/25/25 |
| Draft Test Report | 20 days | Tue 8/26/25 | Tue 9/23/25 |
| Submit Draft Test Report | 1 day | Wed 9/24/25 | Wed 9/24/25 |
| Panel Review | 10 days | Thu 9/25/25 | Wed 10/8/25 |
| Finalize Test Report | 10 days | Thu 10/9/25 | Wed 10/22/25 |
| Submit Final Test Report | 1 day | Thu 10/23/25 | Thu 10/23/25 |
| San Deigo\Caltrans | 67 days | Tue 8/5/25 | Thu 11/6/25 |
| Data Analysis | 25 days | Tue 8/5/25 | Tue 9/9/25 |
| Draft Test Report | 20 days | Wed 9/10/25 | Tue 10/7/25 |
| Submit Draft Test Report | 1 day | Wed 10/8/25 | Wed 10/8/25 |
| Panel Review | 10 days | Thu 10/9/25 | Wed 10/22/25 |
| Finalize Test Report | 10 days | Thu 10/23/25 | Wed 11/5/25 |
| Submit Final Test Report | 1 day | Thu 11/6/25 | Thu 11/6/25 |

| Task Name | Duration | Start | Finish |
|---|---|---|---|
| Phoenix\Maricopa County | 67 days | Tue 8/19/25 | Thu 11/20/25 |
| Data Analysis | 25 days | Tue 8/19/25 | Tue 9/23/25 |
| Draft Test Report | 20 days | Wed 9/24/25 | Tue 10/21/25 |
| Submit Draft Test Report | 1 day | Wed 10/22/25 | Wed 10/22/25 |
| Panel Review | 10 days | Thu 10/23/25 | Wed 11/5/25 |
| Finalize Test Report | 10 days | Thu 11/6/25 | Wed 11/19/25 |
| Submit Final Test Report | 1 day | Thu 11/20/25 | Thu 11/20/25 |
| 4. Guidance Document Update | 223 days | Mon 12/16/24 | Fri 11/14/25 |
| Interim Document Update (Complete) | 57 days | Mon 12/16/24 | Tue 3/18/25 |
| Update Document | 35 days | Mon 12/16/24 | Fri 2/14/25 |
| Submit Update | 1 day | Mon 2/17/25 | Mon 2/17/25 |
| Panel Review | 10 days | Tue 2/18/25 | Mon 3/3/25 |
| Finalize Draft | 10 days | Tue 3/4/25 | Mon 3/17/25 |
| Submit Final | 1 day | Tue 3/18/25 | Tue 3/18/25 |
| Final Update | 37 days | Thu 9/25/25 | Fri 11/14/25 |
| Update Document | 15 days | Thu 9/25/25 | Wed 10/15/25 |
| Submit Update | 1 day | Thu 10/16/25 | Thu 10/16/25 |
| Panel Review | 10 days | Fri 10/17/25 | Thu 10/30/25 |
| Finalize Draft | 10 days | Fri 10/31/25 | Thu 11/13/25 |
| Submit Final | 1 day | Fri 11/14/25 | Fri 11/14/25 |
| 5. SCMS Manager Coordination | 243 days | Mon 12/16/24 | Fri 12/19/25 |
| Monthly Report outs | 243 days | Mon 12/16/24 | Fri 12/19/25 |

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# Task 2 Site Engagement and Technical Support

# Site Meeting History

| MCDOT/Phoenix | VDOT/VTTI | Caltrans / D11 |
|---|---|---|
| | Jan 15 | Jan 2 |
| | | Jan 23 |
| | Jan 29* | Jan 29* |
| | Feb 5 | Feb 27 |
| Apr 3 | | Apr 3 |
| Apr 23 | Apr 16 | Apr 24 |
| May 15 | May 21 | May 22 |
| June 5 | June 4 | June 5 |
| June 19 | June 18 | June 26 |

*Held Multi-Site Meeting

# Multi-Site Meeting

— Caltrans D11 and VTTI were able to attend
— Sites shared experiences about the challenges they faced and lessons learned
— Discussion topics will be used to inform guidance.

# Site Engagement

— Meetings reduced to once per month from March until June

— Meetings are starting to focus on preparing for testing activities
  — Overview of what we have done in the past
  — Understand what each site is doing
  — Ideally focus on SPaT and MAP, similar to previous testing efforts

— Developed and gave a presentation
  — Previous CIP testing efforts and motivation
  — Data Collection process, analyses performed

— Sites generally in favor of data collection and testing
— Start talking about what locations where data collection and testing
  will be performed

# Task 4 Guidance Document

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# Task 4: Guidance Document

**Revision #2 of the Guidance:**

— Available on CV PFS website as of April 30, 2025:
https://engineering.virginia.edu/sites/default/files/Connected-Vehicle-PFS/Projects/(CIP)Connected%20Intersections%20Program/CI%20Guidance%20Document%20Revision%202%20FINAL.pdf

# Task 4: Guidance Document

**Changes in Revision #2 include:**

— Updates to incorporate feedback from VTTI, Phoenix, and Caltrans

— Updates to include UDOT SMART Grant Resources now posted at: https://transportationtechnology.utah.gov/what-were-learning/

— SCMS resources resulted in a significant change to the Guidance as SCMS validation is to be done by the agency as part of testing processes

  — *SCMS Provider Validation now part of Step 6*

  — *Removed former Step 7 for SCMS Provider Validation*

  — *New Guidance #6.9*

  — *Information about preparations in Guidance #6.2*

# Task 4: Guidance Document

**Next Steps:**

— Revision #3 is scheduled to be completed by December 2025

— Project team will make updates that include:

- *Description and links to new or updated resources, including CTI 4501 v2*

- *Continue to receive feedback from deploying agencies on Guidance content*

- *Document edits that may be needed based on additional deployer experiences, including testing conducted as part of this effort and Utah DOT SMART Phase 2 efforts*

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# Next Steps

# Next Steps

— Continue planning for testing with the three sites

— Continue updating Guidance Document

Upcoming Meetings:

— Next Panel Meeting scheduled for 05/20/25 at 3pm ET

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# Thank You!

*Questions?*

*Please contact :*

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