CV PILOT DEPLOYMENT PROGRAM GOALS
CV PILOT DEPLOYMENT SCHEDULE

Connected Vehicle Pilot Deployment (up to 50 months)

- **Phase 1**: Concept Development (COMPLETE)
  - Creates the foundational plan to enable further design and deployment
  - Progress Gate: Is the concept ready for deployment?

- **Phase 2**: Design/Deploy/Test (CURRENT PHASE - began September 1, 2016)
  - Detailed design and deployment followed by testing to ensure deployment functions as intended (both technically and institutionally)
  - Progress Gate: Does the system function as planned?

- **Phase 3**: Maintain/Operate
  - Focus is on assessing the performance of the deployed system
  - Post Pilot Operations (CV tech integrated into operational practice)

Routine Operations (ongoing)
Post-Pilot Operations
Tampa (THEA) Pilot Deployment Overview

Downtown Tampa

Florida

U.S. Department of Transportation
Tampa (THEA) Pilot Deployment Overview

- Traffic Flow Optimization
- Pedestrian Safety
- Rush Hour Collision Avoidance
- Wrong-Way Entry Prevention
- Traffic Management
- Traffic Flow Optimization
- Streetcar Safety
## Participants

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Hillsborough Area</td>
<td>1,600</td>
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<tr>
<td>Privately Owned</td>
<td>500+</td>
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<tr>
<td>Pedestrians</td>
<td>10</td>
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<tr>
<td>TECO Line Streetcar</td>
<td>10</td>
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</tbody>
</table>

*PHOTO: THEA*
Morning Backup

Forward Collision Warning (FCW)
Emergency Electronic Brake Light (EEBL)
End of Ramp Deceleration Warning (ERDHW)
Intelligent Signal Systems (I-SIG)
Wrong-Way Drivers

Wrong-way Entry
Intersection Movement Assist (IMA)
MAP
Signal Phasing and Timing (SPaT)
Pedestrian Safety

Pedestrian in a Signalize Crosswalk Warning (Ped-X)

Pedestrian Collision Warning (PCW)
Transit Signal Priority

I-SIG
Transit Signal Priority (TSP)

IMA
Pedestrian Transit Movement Warning (PTMW)
Streetcar Conflicts

Vehicle Turning Right in Front of Transit Vehicle (VTRFTV)

PTMW
Traffic Progression

Probe Data Enabled Traffic Monitoring (PDETM)

Pedestrian Mobility (PED-SIG)

I-SIG

IMA
The City of Tampa Traffic Management Center provides information to Siemens devices. This information includes traffic data and vehicle/pedestrian information sent to RSUs. Safety messages are then displayed to commuters.
RSU Photos

Source: Siemens
Mirror display uses sticker to depict location and concept of warning. Actual image is still in development.

Source: Brand Motion and Global 5
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