

Agenda Item 4D

Innovate 680

Amendments to CT 529, CT 530 & CT 535



Thursday, June 1, 2023

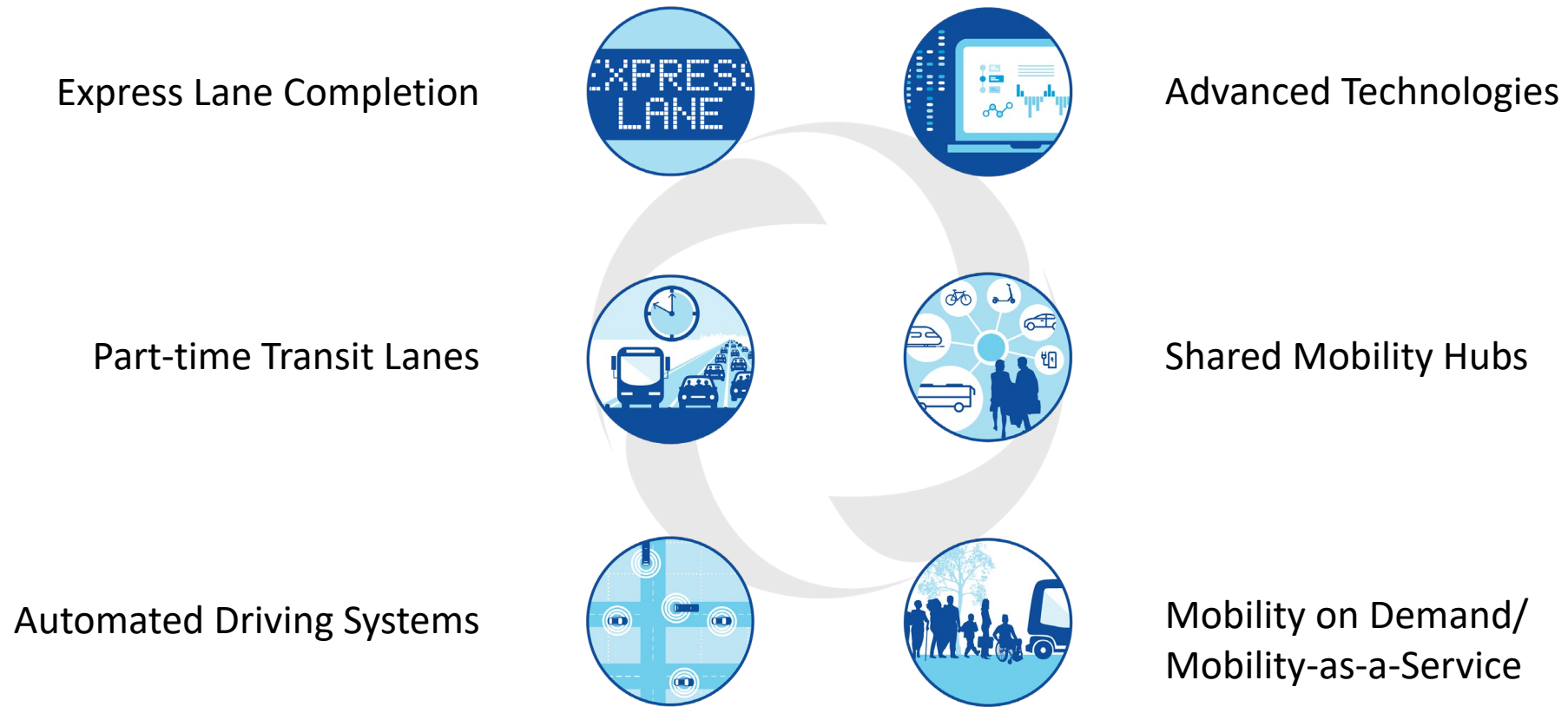
Administration and Projects Committee

Stephanie Hu, Director, Projects

Program Updates



INNOVATE 680 Projects





Express Lane Completion

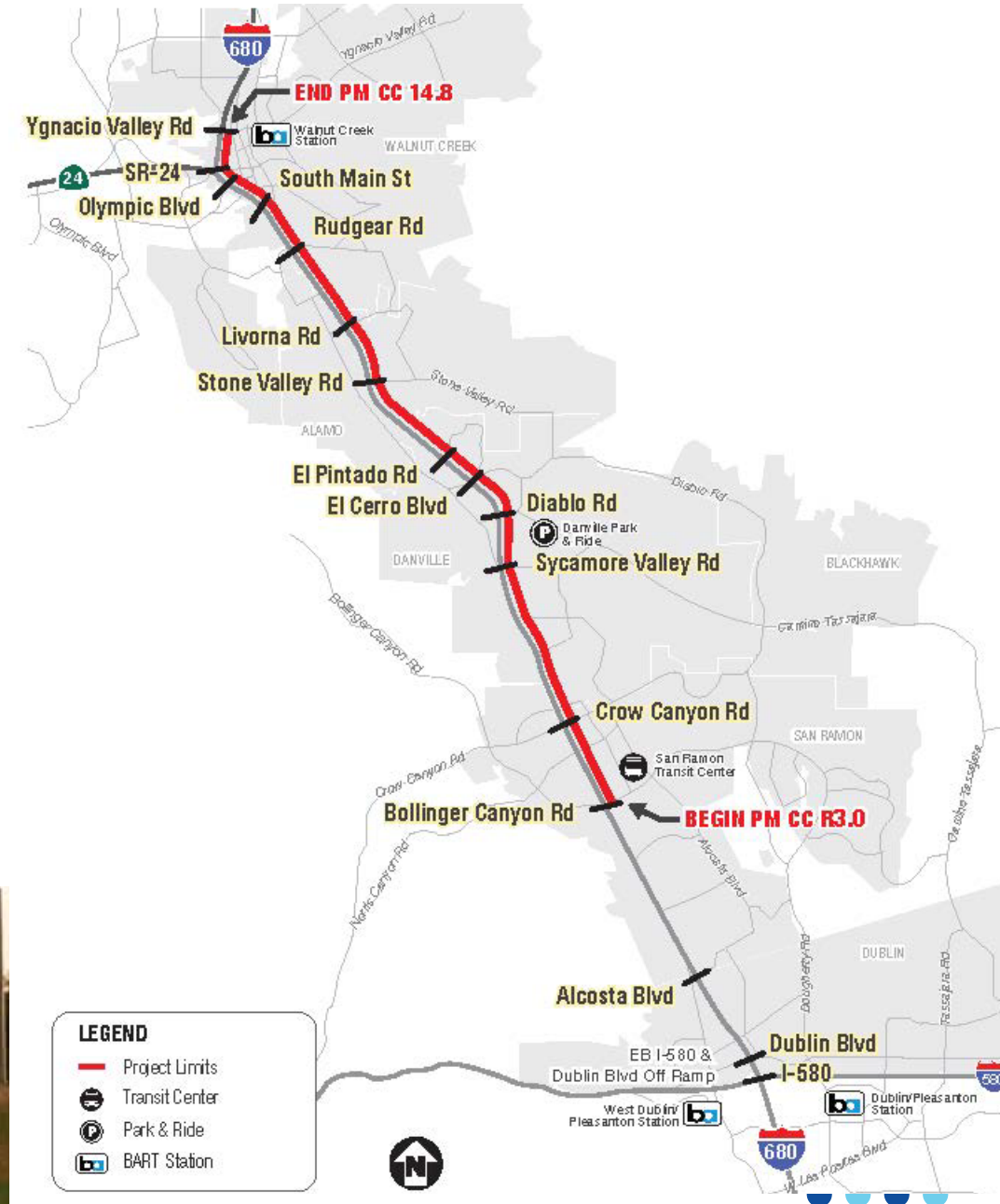
- Status:
 - Received Pre-Draft Env Document Risk Assessment for VMT mitigation approval from Caltrans HQ
 - Finalizing environmental technical studies
 - Admin Draft of Env Document (DED) submitted to Caltrans in May.
- Focus for next 2 years
 - Circulation of Public Draft of DED in Spring 2024
 - Complete Environmental Clearance in Summer 2025
 - Begin design phase when funding commitment is secured for VMT mitigation (I-680 Express Bus, 3 SMHs, TDM)





Part Time Transit Lanes (PTTL)

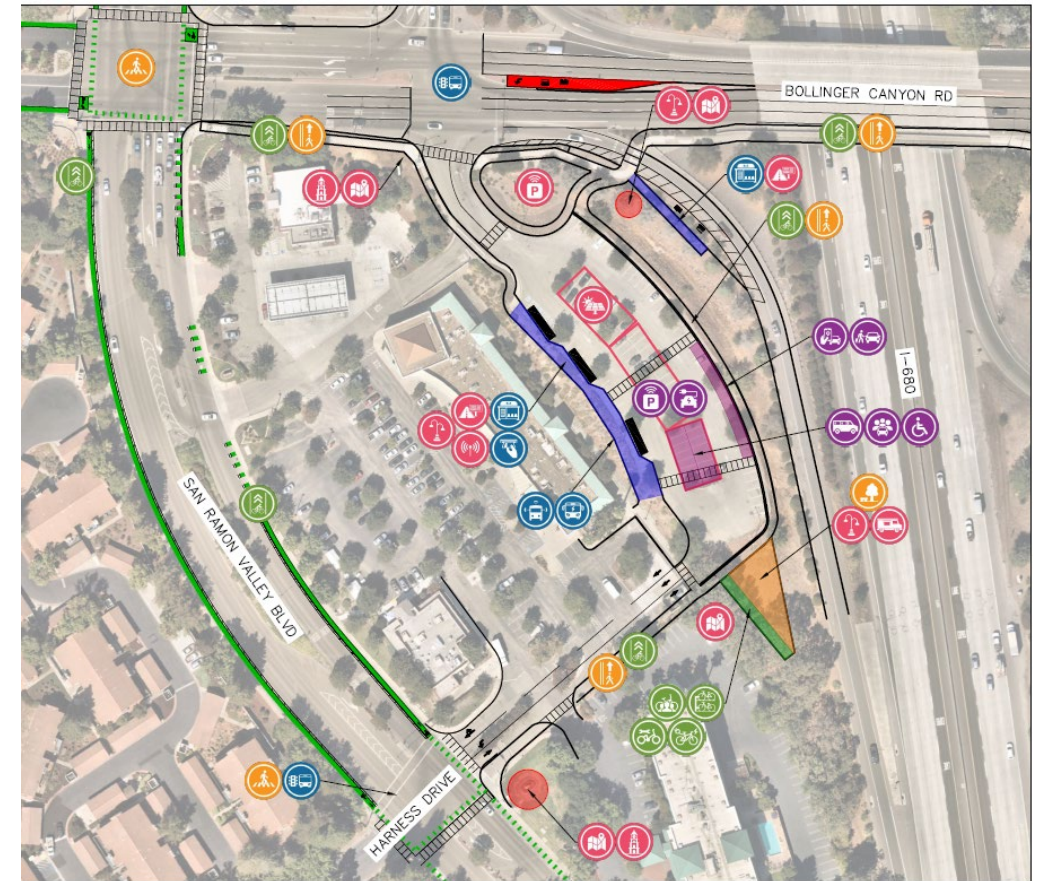
- Status:
 - 1st Project Phase: Northbound I-680 between Bollinger Canyon Road and Ygnacio Valley Road
 - Project Initiation Document was approved by Caltrans in late March
 - Working group established for Testing/Training work at GoMentum Station
- Focus for next 2-3 years
 - Complete Testing/Training work at GoMentum Station
 - Coordination with SANDAG
 - Continue to track Caltrans PTTL guidance





Shared Mobility Hubs (SMH)

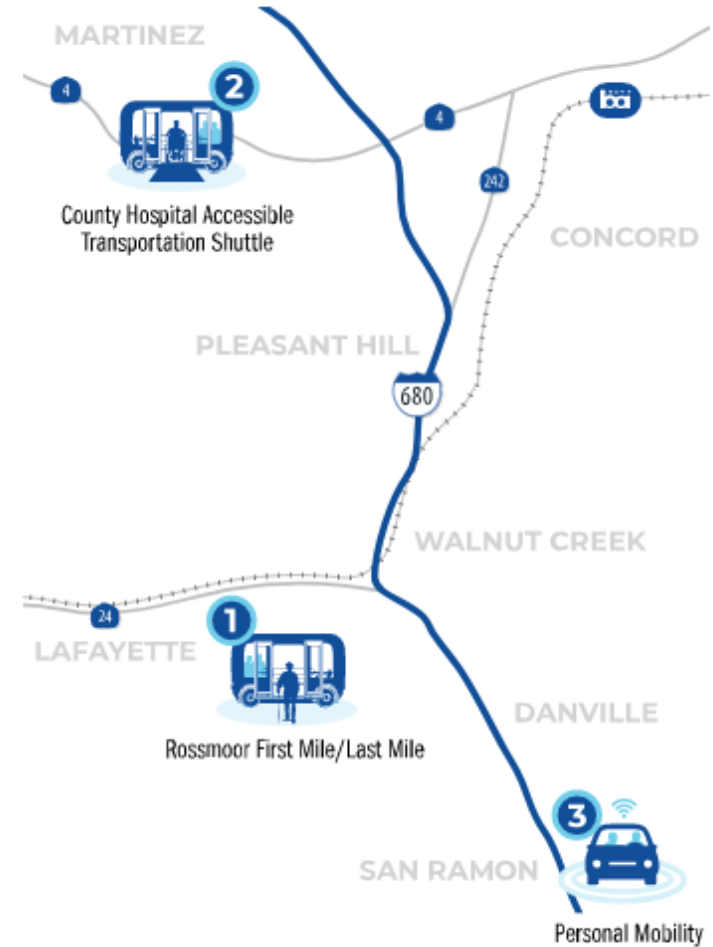
- Status:
 - Feasibility Study completed in January 2023
 - 3 SMHs identified to support I-680 Express Bus (Bollinger Canyon Road, WC BART Station, Martinez Amtrak Station)
 - Received TIRCP Funding for Bollinger Canyon Road SMH
 - Ongoing discussion with Sunset Development, San Ramon and County Connection about new SMH location at Bishop Ranch
- Focus for next 2-3 years
 - Complete environmental clearance, design and begin construction of Bollinger Canyon Road SMH
 - Seek funding for 2 SMHs for I-680 Express Bus and NB ELC VMT Mitigation
 - Development of O&M Agreements





Automated Driving Systems (ADS)

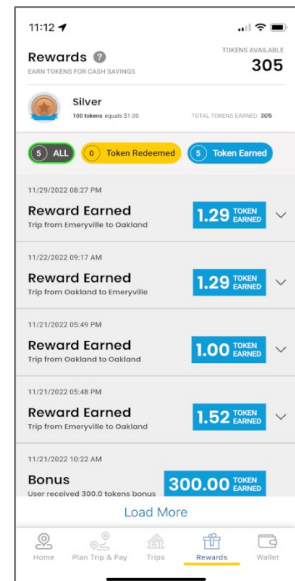
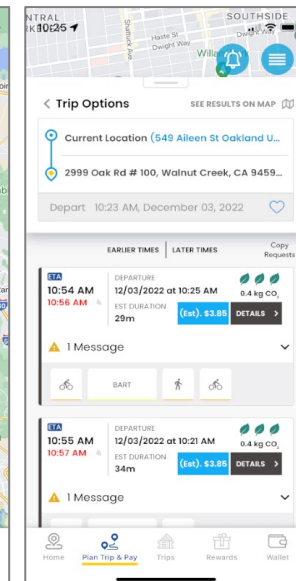
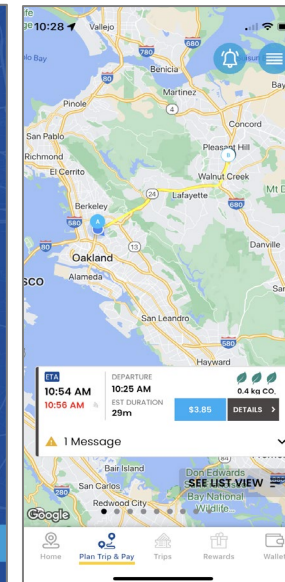
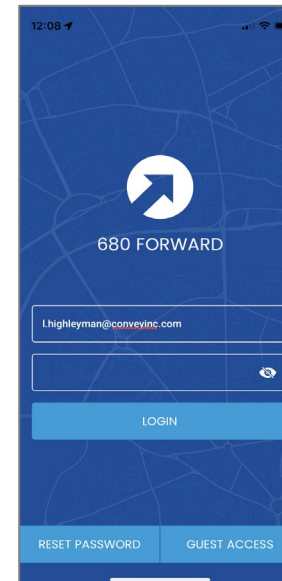
- Status:
 - Work continues with vendor partners of Verizon, Beep, Nissan and UC Berkeley PATH.
 - Coordination with County Connection regarding the shuttle for County Hospital
- Focus for next 2 years
 - Complete implementation and pilot projects





Mobility on Demand (MOD)/Mobility as a Service (MaaS)

- Status:
 - Presto launched at Bishop Ranch in April
 - User Interface design for micromobility and rewards/Incentives vendors
 - Integration with carshare, rideshare, and connection protection platforms
 - Continuing software and app development, including user testing of the prototype app
 - Pilot testing of the app later this year
- Focus for next 1-2 years
 - Launch Mobile Application

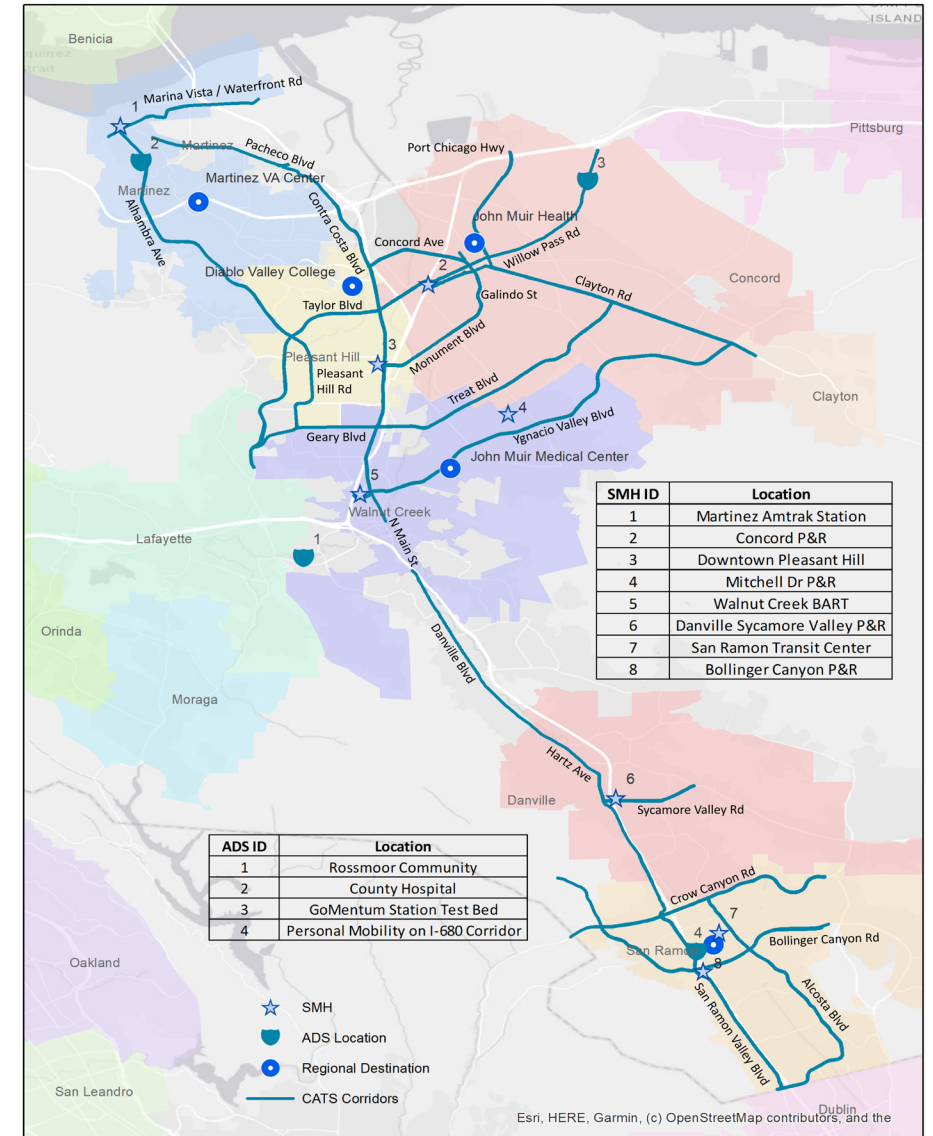




Advanced Technologies Projects (2 Projects)

Coordinated Adaptive Traffic Signals (CATS)

- Status:
 - Gathered information from local jurisdictions on existing conditions and corridor assets. Developed GIS database.
 - Defining and prioritizing corridor groupings to align with CARM phasing, existing signal system capabilities and other Program needs
 - Development of Draft Concept of Operations
- Focus for next 1-2 years
 - Complete Project Concept of Operations
 - Coordination with CCTA Countywide SMART Signals Project & earmarks projects by local agencies
 - Future work based on funding availability

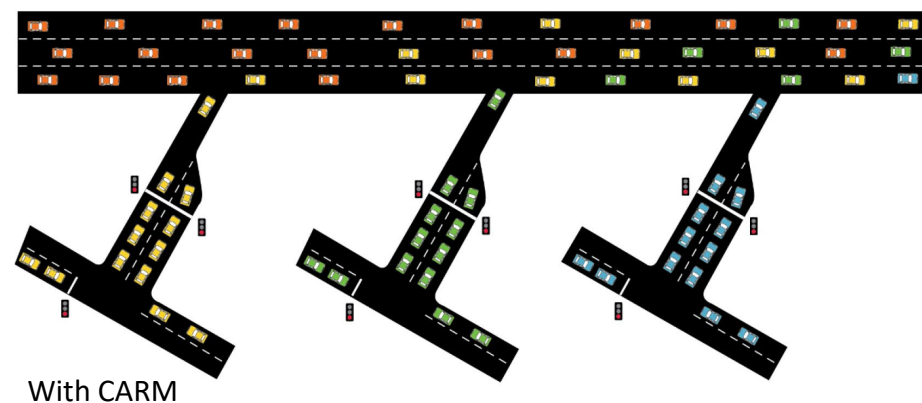
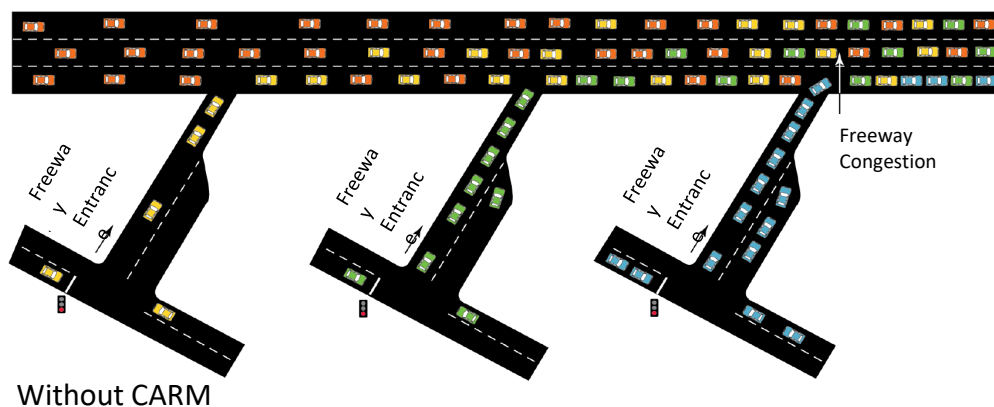




Advanced Technologies Projects (2 Projects)

Coordinated Adaptive Ramp Metering (CARM)

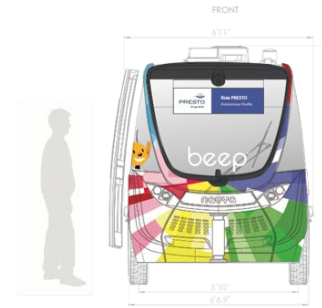
- Status:
 - Project Approval & Environmental Document Phase for Segment 1 (Northbound I-680 from Alcosta to SR 24)
 - Close Coordination with Caltrans for integration with Caltrans Ramp Metering Project
 - Development of Con Ops and System Engineering Management Plan (SEMP)
- Focus for next 2-3 years
 - Complete PAED
 - Development of O&M Agreements
 - Begin and complete PS&E for Segment 1
 - *Amendment #3 to CT 530 with WSP needed for additional Design Services Scope*
 - *Additional \$2,613,432 funded by Tri-Valley Transportation Development Fees (TVTDF)*
 - *Extend terms from June 30, 2024 to June 30, 2027*



Program Support

Public Engagement:

- Status
 - Published the 8th quarterly newsletter
 - Designed Bishop Ranch SAV Presto shuttle wrap, stop signage, and collateral
 - Completed Wave 2 Transportation Behavior Survey
- Focus for next year
 - Public outreach support for the NB ELC project's public circulation of Environmental Document, ADS projects at County Hospital and Rossmoor, PTTL Testing/Training at GoMentum Station, and other program needs.
 - *Amendment #1 to CT 529 in the amount of \$423,372 with Convey Inc. needed for FY23-24*



Engineering Manager:

- Status
 - Engineering support and technical coordination for all projects in the Program
 - Support for integration between CARM Segment 1 and Caltrans Ramp Metering Project
- Focus for next year
 - Management support for the completion of environmental clearance and design of CARM Segment 1
 - *Amendment #1 to CT 535 in the amount of \$209,375 with AMG needed for FY23-24*



Summary of Upcoming Milestones for next 2-3 years

NB Express Lanes Completion

- Environmental Clearance: Surface Transportation Program (STP: \$9.2M and SB1 LPP: \$2.3M)
- Design Phase: State Transportation Improvements Program (STIP: \$15M)

Part Time Transit Lane

- Testing/Training at GoMentum Station (TIRCP: \$2M)

Shared Mobility Hub at Bollinger Canyon Road

- Environmental Clearance, Design and Construction (TIRCP: \$10.9M)

MOD/MaaS

- Complete Mobile Application (Federal ATCMTD Grant: \$8M)

Automated Driving Systems

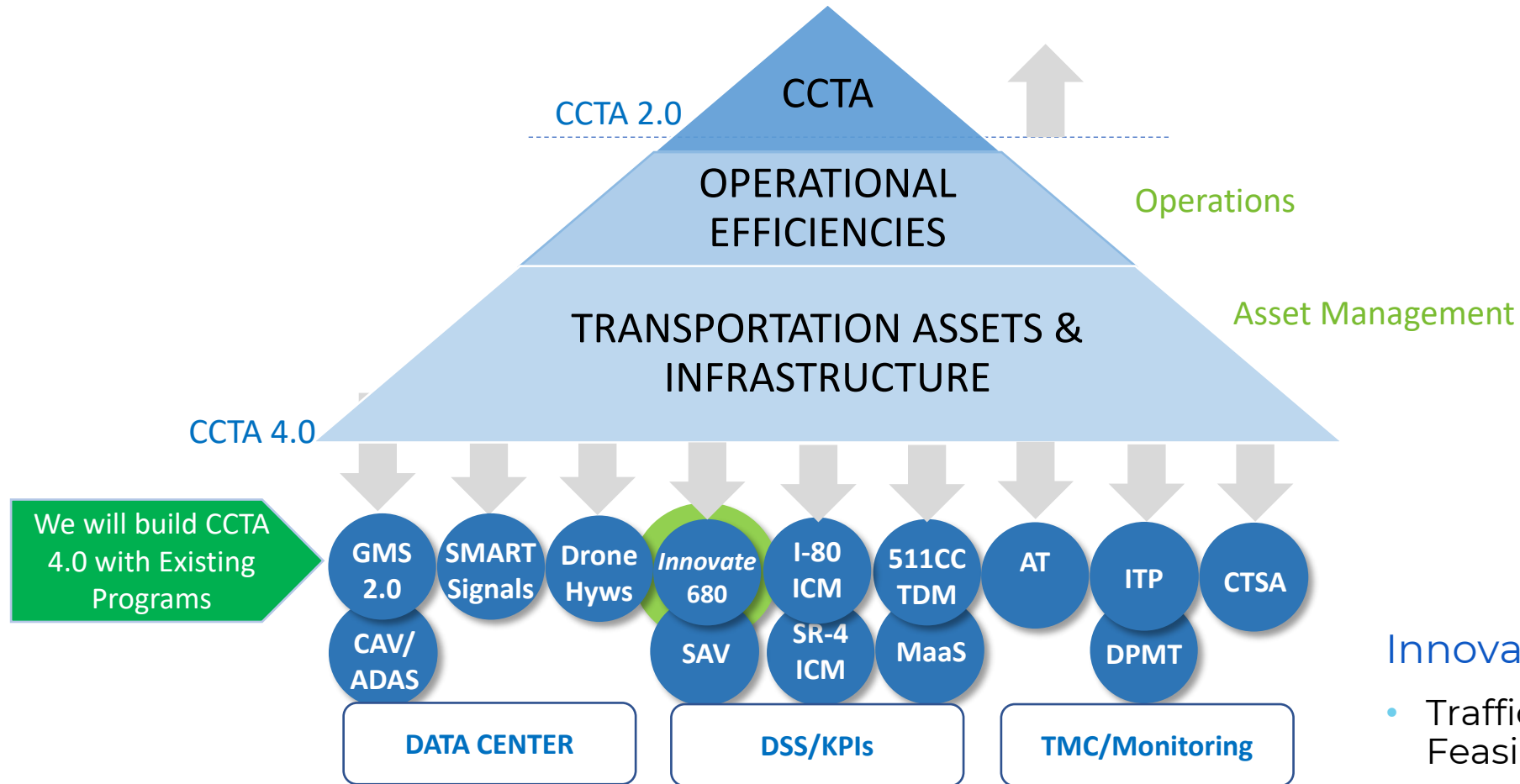
- Complete Pilot projects (Federal ADS Grant: \$7.5M and SB1 LPP: \$6.7M)

CARM Segment 1:

- Complete Design Phase (Tri Valley Transportation Development Fees: \$2.6M)
- Begin Construction (State Transportation Improvements Program: \$25M)



CCTA 4.0 → Innovate 680



Innovate 680/CCTA 4.0 Efforts

- Traffic Management Center (TMC) Feasibility Study
- Program Funding Strategy Plan
- Asset Management Plan
- Data Management Plan

Staff Recommendations

- Amendment No. 1 to Agreement No. 529 with Convey in the amount of \$423,372, for a new total agreement value of \$1,723,372
 - Public engagement support for the Innovate 680 Program and projects
 - Funded by Measure J funds programmed for Innovate 680 Program
 - Covers scope through June 30, 2024
- Amendment No. 3 to Agreement No. 530 with WSP in the amount of \$2,613,432, for a new total agreement value of \$12,399,615
 - Added scope of design services for Coordinated Adaptive Ramp Metering Segment 1
 - Extend agreement termination date from June 30, 2024 to June 30, 2027
 - Funded by TVTDF
- Amendment No. 1 to Agreement No. 535 with AMG in the amount of \$209,375, for a new total agreement value of \$1,059,375
 - Provide engineering manager support services for the Innovate 680 Program.
 - Funded by Measure J funds programmed for Innovate 680 Program
 - Covers scope through June 30, 2024



Questions and Comments

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