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October 25, 2021

Kevin Yount
Office of Transportation Planning, East
Caltrans District 3
703 B Street
Marysville, CA 95901

RE: Quarterly Progress and Expenditure Report – 1st Quarter, FY 2021/22

Dear Mr. Yount,

The El Dorado County Transportation Commission's (EDCTC) quarterly report summarizes the following funding sources and work elements:

- Rural Planning Assistance: WE 100, WE 110, WE 200, and WE 400
- RPA grant funds: WE 112
- 2018/19 FHWA State Planning & Research grant: WE 261
- 2020/21 RMRA SB1 grant: WE 228
- 2020/21 FHWA State Planning & Research grant: WE 253
- 2020/21 SHA grant: WE 259
- 2021/22 SHA grant: WE 265

The status of each OWP work element identified below is as of September 30, 2021. The requests for reimbursement for the first quarter will be submitted with this report.

Rural Planning Assistance

Work Element 100: Administration and Implementation of the Overall Work Program

The objective of this work element is to provide administration and implementation of the Overall Work Program (OWP). The Draft FY 2021/22 OWP was presented at the March 4, 2021 Commission meeting and approved at the June 3, 2021 Commission meeting. Amendment #1 to the FY 2021/22 OWP was approved at the September 2, 2021 meeting to add the new Sustainable Transportation Planning Grant awarded to EDCTC.

Work Element 110: Intergovernmental Coordination

This work element is to coordinate the efforts of the Commission with Tribal, local, regional and state agencies. EDCTC staff actively participates on a variety of committees, task forces, and associations in order to keep the Commission abreast of pertinent Tribal, local, regional, state, and federal efforts and activities.

Work Element 112: RTPA Administrative Manual & Training

EDCTC received a FY 2020/21 RPA grant to provide updates and training to the Regional Transportation Planning Agencies Administrative Manual. The contract with Regional Analysis and Planning Services (RAPS) was approved at the EDCTC November 5, 2020 Commission meeting. RAPS created the Administrative Manual and provided training during fiscal years 2015/16 and 2016/17. Updated training sessions will be conducted in early 2022.

Work Element 200: Regional Transportation Plan

The objective of this work element is to undertake the planning work necessary to develop and implement the Regional Transportation Plan and Environmental Document. EDCTC staff updated the 2020-2040 Regional Transportation Plan (RTP). The Regional Transportation Plan Advisory Committee (RTPAC) has been established and outreach to the committee is complete. The RTP Goals, Objectives and Strategies have been developed and vetted with the RTPAC members. The Streets and Roads project list was prepared in coordination with Sacramento Area Council of Governments (SACOG). The final documents are available online on the EDCTC web page here: <https://www.edctc.org/regional-transportation-planning>

- Hard copies have been transmitted to Caltrans, EIR Notice of Determination has been submitted to County Clerk and Office of Planning and Research

Work Element 400: Public Education and Outreach

The objective of this work element is to support EDCTC's project delivery, planning, and consensus-building programs by providing information on transportation and related issues and by seeking input on these issues from interested parties. EDCTC actively maintains the agency website and we continually update information on our agency's social media. EDCTC staff members provide various educational and information sharing opportunities throughout the year, including presentations at planning commissions, councils, and board meetings, as well as presentations to local residential and advocacy groups. Our new ADA compliant website went live on 6/30/2021. This is the new link: <https://www.edctc.org/>

Caltrans Road Maintenance and Rehabilitation Account (RMRA SB1) Planning Grant**Work Element 228: El Dorado County Transit Authority Zero Emission Bus Fleet Conversion Plan**

Start date: 09/01/20

EDCTC Project Manager: Dan Bolster

End date: 02/28/23

Progress during 1st quarter FY 2021/2022:**Task 1.3: Staff Coordination**

EDCTC, El Dorado Transit Authority (EDCT) and the consultant held a kickoff meeting on November 23, 2020, to discuss roles and responsibilities going forward, EDT's current and planned operations, and the public outreach plan. Held the first Project Development Team (PDT) meeting on March 30, 2021. Staff coordination continued during the 1st quarter via Zoom check-in meetings.

Percent complete: 95%

Task 2.1: Stakeholder Advisory Committee

The Stakeholder Advisory Committee (SAC) was ratified by the EDCTC Board. The first SAC meeting was held on May 20, 2021 and the second and final SAC meeting was held on September 29, 2021.

Percentage complete: 100%

Task 2.2: Public Meeting #1

A virtual public meeting / workshop was held in July 2021. The virtual workshop was in video form and included an online questionnaire. Both the video and online questionnaire were available from July 19, 2021, through July 30, 2021, on the EDCTC project website. The online questionnaire received 135 responses.

Percentage complete: 100%

Task 3.1: Field Review

EDCTC, El Dorado County Transit Authority (EDT), EDCTC, and the consultant conducted a field review and site visit of EDT's main transit facility at 6565 Commerce Way, Diamond Springs on

January 22, 2021. Additional site review was done during the 4th quarter to develop schematics of EDT's facility. Final review of EDT's site was done during the 1st quarter.
Percent complete: 100%

Task 3.2: Project Area Mapping

Consultant completed mapping the project area with a Geographic Information Systems (GIS) format at an appropriate scale to develop maps and graphics to be used in analysis and presentations as well as draft and final documents.
Percent complete: 100%

Task 4.1: Document and Data Review/Provide Relevant Documents

EDCTC and El Dorado County Transit Authority (EDT) provided the relevant documents and data to the consultant and consultant completed their review.
Percent complete: 100%

Task 5.1: Review EDT's Bus Fleet Replacement Schedule

Consultant and EDT completed review of EDT's bus fleet replacement schedule.
Percent complete: 100%

Task 7.1: Electric Charging and Hydrogen Refueling Infrastructure

Consultant completed an assessment of the capability of EDT's Operating Base and Maintenance/Fleet Parking Facility located at 6567 Commerce Way in Diamond Springs to provide ZEB charging or hydrogen refueling infrastructure, including on-site generation capabilities. The assessment of EDT's current and planned park and ride facilities to accommodate ZEB charging stations was completed.
Percent complete: 100%

Task 7.2: Optimal Locations of Charging Infrastructure and Facilities

Utilizing analysis from Tasks 6.2 and 7.1, and review of relevant planning documents, consultant modeled the location and number of charging stations needed at the existing maintenance facility to optimize operational efficiencies and service reliability. The analysis of existing park and ride lots was completed during the 1st quarter.
Percent complete: 100%

Task 7.3: Utility Coordination

Consultant completed coordination with Pacific Gas & Electric (PG&E) during the 1st quarter to identify the utility infrastructure needed to provide service to the meter panel and charging station(s) at EDT's current facilities.
Percent complete: 100%

Task 7.4: Timing and length of ZEB Charging

Consultant reviewed EDT's bus schedules, routes, and route modeling data from Task 6.2 to determine the optimal timing and length of vehicle charging, including time-of-day rates as well as whether ZEB's should be charged mid-route or at the end of a route. Considerations included electricity demand, electricity costs, labor costs, operational efficiencies, service reliability, and other considerations as identified.
Percent complete: 100%

Task 7.5: Optimal Configuration of ZEB's and Charging Infrastructure

Consultant reviewed the layout of EDT's Diamond Springs maintenance facility and all park and ride lots to determine the optimal configuration of ZEB's by type, charging infrastructure and hydrogen refueling infrastructure to enable ongoing operations including charging, refueling, servicing of vehicles and pull-ins and pull-outs.
Percent complete: 100%

Task 7.6: Employee ZEB Training Program

Review of EDT's current bus operations and maintenance programs was completed in the 1st quarter allowing consultant to recommend any needed changes to ensure EDT employees have the training necessary to operate and maintain ZEB fleet and associated charging infrastructure.

Percent complete: 100%

Task 7.7: System Charging and Fueling Plan

Consultant completed a facility and charging infrastructure plan during the 1st quarter that will allow EDT to convert to a 100% ZEB fleet by 2040 and considers PG&E's ability to provide electric service to EDT's existing and future transit facilities.

Percent complete: 100%

Task 8: Estimate GHG Reduction Benefits

Consultant completed an analysis of GHG reduction benefits of EDT's conversion to 100% ZEB fleet by 2040 and how the project will assist the state achieve its GHG reduction target of 40 and 80 percent below 1990 levels by 2030 and 2050, respectively.

Percent complete: 100%

Task 9: Plan-Level Cost Estimates

Consultant completed plan-level cost estimates for all elements associated with EDT's conversion to a 100% ZEB fleet by 2040 and the ZEB Roll Out Plan.

Percent complete: 100%

Task 10.1: Identify Potential Funding Sources

Consultant identified potential funding sources for recommended improvements.

Percent complete: 100%

Task 10.2: Identify Funding Strategies and Implementation Plan / Next Steps

Consultant identified funding strategies for recommended improvements and detailed a project implementation plan with next steps.

Percent complete: 100%

Task 11.1: Draft ZEB and Roll Out Plans

Based on work completed in Tasks 1 through 10, consultant prepared the draft ZEB and draft Roll Out plans for EDT and EDCTC review.

Percent complete: 100%

Issues or delays: None.

Overall % Work Complete: 80%

State Planning & Research Grant

Work Element 253: 50 Corridor System User Analysis, Investment Strategy and Access Control Action Plan

Start date: 1/5/2020

EDCTC Project Manager: Jerry Barton

End date: 6/30/2023

Progress during 1st quarter (Jul./Aug./Sept.) FY 2021/2022:

Task 1.1: Kick-Off Meeting: *Complete*

Task 1.2: Consultant Procurement: *Complete*

- *Request for Proposals released on October 8, 2020*
- *On December 3, 2020, EDCTC authorized a professional services agreement with Wood Rodgers to develop the US 50 Corridor System User Analysis, Investment Strategy, and Access Control Action Plan*
- *Contract was executed December 15, 2020*

Task 1.3: Fiscal Management: *Ongoing*

Task 1.4: Monthly Status Reports and Quarterly Reports to Caltrans: *Ongoing*

Task 2.1: System User Travel Analysis Utilizing SACOG Data: *Ongoing*

- *Met with SACOG Staff*
- *SACSIM Model Data Transmitted to Wood Rodgers*
- *Created Replica User Account*
- *Held meetings with SACOG and Replica Staff to initiate traffic analysis*
- *Obtained additional Streetlight and Iteris Data from SACOG*

Task 2.2: Graphics, Materials and Narrative: *Ongoing*

- *US 50 Corridor Plan logo developed*
- *ARC GIS Interactive Story Map of US 50 Corridor Access Control Detour Plan Developed*
- *US 50 Access Control Narrative and Maps developed*

Task 2.3: US 50 Corridor System User Traveler Analysis Technical Memorandum: *Not Started*

Task 3.1: US 50 Tolling, Managed Lanes, Congestion Pricing Strategies: *Ongoing*

- *Tolling Overview Presentation Prepared and submitted to EDCTC*
- *Tolling Overview Presentation scheduled for December EDCTC meeting (Q2)*

Task 3.2: Demographic and Economic Analysis: *Not Started*

Task 3.3: Conduct Transportation Model Runs: *Ongoing*

- *Transportation Modeling effort initiated*
- *Intersection Analysis conducted for Access Control Action Plan Proof of Concept Narrative, Traffic Management Plan and Detour Maps*

Task 3.4: Develop Infrastructure Investment Options: *Not Started*

Task 3.5: Financing and Investment Strategy Technical Memorandum: *Not Started*

Task 4.1: Project Development Team Meetings: *Ongoing*

- *Established Project Development Team Membership Roster*
- *PDT #1 Held January 29, 2021*
- *Emergency Services Meeting 1: March 5, 2021 (Q3)*
- *PDT #2 Held April 8, 2021 (Q4)*
- *Emergency Services Meeting 2: June 9, 2021 (Q4)*

Task 4.2: Online Survey: *Not Started*

Task 4.3: Public Workshops and Non-Traditional Outreach: *Not Started*

Task 4.4: Public Outreach Summary: *Not Started*

Task 4.5: Presentations to Elected Officials: Ongoing

- *US 50 Access Control Proof of Concept Pilot Presentation held August 5 EDCTC Meeting (Q1 21-22)*

Task 5.1: Conduct Risk Assessment for Peak Period Access Control Complete

- *Risk factors identified in coordination with Caltrans and Emergency Services providers*
- *Appropriate turning movements identified and displayed in ARC GIS Interactive Story Map, and US 50 Access Control Proof of Concept Local Access Narrative and maps*
- *US 50 Access Control Proof of Concept Local Access Narrative complete and submitted to Caltrans June 2021*

Task 5.2: Conduct Traffic Modeling and Microsimulation Ongoing

- *Comprehensive Transportation Modeling effort initiated*
- *Intersection Analysis conducted for US 50 Access Control Proof of Concept Local Access Narrative and maps*

Task 5.3: Develop Traffic Management Plan Ongoing

- *Draft Arc GIS Map of US 50 Corridor Access Control Detour Plan Developed*
- *US 50 Access Control Proof of Concept Local Access Narrative complete and submitted to Caltrans June 2021*
- *List of traffic management/control device quantities being developed for US 50 Access Control Proof of Concept (Q1 21/22)*

Task 5.4: Develop Access Control Public Outreach Strategy Complete

- *Access Control Pilot Program Outreach and Awareness Strategy Submitted to EDCTC*
- *US 50 Access Control Proof of Concept Outreach Materials Initiated – “Trip the Green Light” posted on EDCTC web page*

Task 5.5: US 50 Access Control Operations Evaluation Not Started

- *Operations evaluation to be completed after Proof of Concept takes place in 2022 (delayed due to Caldor Fire)*

Task 5.6: US 50 Access Control Action Plan and Next Steps Ongoing

- *US 50 Access Control Proof of Concept Local Access Narrative complete and submitted to Caltrans June 2021 (Q4 20/21)*
- *US 50 Access Control Access Plan in Development (Q1 21/22)*
- *Next steps to be completed after “Trip the Green Light” Proof of Concept takes place in 2022 (Delayed to 2022 due to Caldor Fire)*

Task 6.1: Develop Draft Comprehensive US 50 Corridor Plan Including: System User Travel Analysis, Financing Strategies and Access Control Action Plan Not Started**Task 6.2: Develop Final US 50 Corridor Plan Including: System User Travel Analysis, Financing Strategies, and Access Control Action Plan Not Started****Task 6.3: Final US 50 Corridor Plan Accepted by EDCTC Board as complete Not Started**

Overall % work complete: 31%

State Planning & Research Grant**Work Element 261: El Dorado Hills Business Park Community Transportation Plan**

Start date: 10/5/2018 EDCTC Project Manager: Jerry Barton
End date: 2/28/2021, extended to 6/30/2021, extended to 12/31/2021

Progress during 1st quarter (Jul./Aug./Sept.) FY 2021/2022:

Task 1.1: Kick-Off Meeting: *Complete*

Task 1.2: Consultant Procurement: *Complete*

Task 1.3: Fiscal Management: *Ongoing*

Task 1.4: Monthly Status Reports and Quarterly Reports to Caltrans: *Ongoing*

Task 2.1: Land Use Review: *Complete*

- Researched and developed residential density ranges for Land Use Scenario Matrix Tool
- Completed Land Use Scenario Matrix Tool, including three Land Use density scenarios

Task 2.2: Transportation Project Review: *Complete*

- Used transportation model to determine traffic patterns as related to Land Use Scenario Matrix Tool
- Conducted review of proposed Transportation Facilities in project area
- Completed VMT comparison within context of three land use scenarios
- Completed bicycling, walking and transit facility review

Task 2.3: Kick Off Meeting with Project Team and Core Partners: *Complete*

- Meeting held on June 6, 2019. Meeting Summary provided.

Task 3.1: Stakeholder Identification: *Complete*

- Traditional Stakeholder Advisory Committee process will be substituted for two stakeholder focus group meetings.

Task 3.2: Stakeholder Focus Group Meetings: *Complete*

- Traditional Stakeholder Advisory Committee process will be substituted for two stakeholder focus group meetings.
- Task changed to conduct public outreach virtually under the circumstance of COVID-19

Task 3.3: Virtual Engagement Strategy *Complete*

- Stakeholder meeting one held on September 10, 2019.
- Consultant and EDCTC met with the El Dorado Hills Business Park Owners Association on October 22, 2019
- Developed virtual outreach strategy
- Developed Facilitation Plan for Informational Video and Virtual Open House (October 2020 – Q2)
- Prepared and published three informational videos for EDH Business Park
- Virtual Public Workshop held October 23, 2020

Task 3.4: Online Survey Complete

- Consultant prepared an online survey to gather input from stakeholders, business and property owners in the targeted area of the Business Park. The survey was distributed during the months of February and March 2020.
- Summary of survey responses is included in the Draft document.

Task 4.1: Scenario Development Complete

- Identified Districts, prepared districts map for Scenario Analysis
- The economic, land use, and transportation framework for scenario development has been vetted with members of the project development team and work has started on scenario development.
- Conceptual land use and transportation scenarios have been developed: Scenario 1 Base Case; Scenario 2 R&D Reduction/Add Residential and Associated Services/Amenities; Scenario 3 Intensified R&D/Add Residential and Associated Services/Amenities
- Scenarios were included in the aforementioned outreach videos and presented at virtual public workshop
- Scenarios are fully developed and included in Draft Study being reviewed by partners and PDT in Q1 21/22

Task 4.2: Origin and Destination Study Complete

- Completed analysis of Business Park commute patterns
- Commute patterns displayed in outreach videos/webinar
- Completed Figure 6: Typical Morning Commute Origins to the EDH Business Park Graph
- Study outcomes reflected in proposed project list and future VMT projections

Task 4.3: Scenario Comparison Analysis Complete

- Observations related to scenario comparisons were outline in virtual webinar presentation held in October 2020
- Comparisons of scenario outcomes have been prepared in the form of economic evaluation and transportation evaluation/transportation improvements and are outlined in draft study scheduled for delivery in Q4
- Parking Analysis included in admin draft study scheduled for delivery in Q4

Task 4.4: Scenario Adoption Strategy Complete

- Implementation and Funding Strategies are included in the Draft Study being reviewed by partners and PDT in Q1 21/22

Task 5.1: Transportation Benefits Analysis Complete

- Potential reductions in VMT and transportation options analysis between scenarios was outlined and presented as a component of virtual workshop
- Roadway segment analysis included in Transportation Evaluation section of Draft Study being reviewed by partners and PDT in Q1 21/22

Task 5.2: Economic Benefit Complete

- Observations and forecasts related to development potential and housing absorption rates were made and presented in the virtual workshop
- Economic evaluation prepared and included in Draft Study being reviewed by partners and PDT in Q1 21/22

Task 5.3: Social and Air Quality Assessment Complete

- Housing disparity was presented and discussed in virtual workshop #1 with a discussion of median household income and median single family home prices

- Missing Middle Housing Discussion included in scenario options section of Draft Study being reviewed by partners and PDT in Q1 21/22

Task 6.1: Land Use and Transportation Maps Complete

The following land use and transportation maps are included in the of Draft Study being reviewed by partners and PDT in Q1 21/22

- Figure 1: Development Areas
- Figure 2: General Plan Land Use
- Figure 3: Zoning
- Figure 4: Adjacent and Proposed Developments
- Figure 7: Folsom Plan Area Land Use Map
- Figure 9: Transportation Sub Areas in EDH Business Park
- Figure 16: Roadway Access
- Figure 17: Active Transportation

Task 6.2: Streetscape Visualizations Complete

- Some streetscape visualizations were prepared and presented in virtual workshop presentation
- Roadway cross section examples included in Draft Study being reviewed by partners and PDT in Q1 21/22

Task 7.1: Draft Document Complete

- Draft Study was completed and reviewed by partners and PDT in Q1 21/22

Task 7.2: Draft Plan Presentation Complete

- Draft Study Presentation was completed in September 2021

Task 7.3: Final Document *In Progress*

- Final Study will be completed in Q2 21/22
- Final Study Presentation Scheduled for Q2 21/22 November 2021

Issues or delays: Due to COVID 19 Pandemic and Caldor Fire: Project extension requested through Caltrans to allow for development of Virtual Public Outreach Strategy. Caltrans approved the project extension with a new project end date of 11/30/2021 and final invoice/product due by 12/31/2021.

Overall % work complete: 98%

State Highway Account Grant**Work Element 259: State Route (SR) 49 American River Confluence Study**

Start date: 4/23/2021

EDCTC Project Manager: Woodrow Deloria

End date: 2/28/2023

Progress during 1st quarter (Jul./Aug./Sept.) FY 2021/2022:

EDCTC released an RFP on June 25, 2021 to solicit proposals for work performed. Proposals were due August 6th followed by contract award on September 2 to DKS and Associates. Due to the impacts of the evacuations resulting from the Caldor Fire, no additional work was completed in September. Task 1.1, the Kickoff Meeting just occurred on October 22. DKS and the project team are confident the lost productivity can be made up over the next two months.

Overall % work complete: 3%

Caltrans Road Sustainable Communities Planning Grant – State Highway Account
Work Element 265: Greater Placerville Wildfire Evacuation, Community Safety, and Resiliency Plan

Start date: 10/01/21
End date: 02/29/24

EDCTC Project Manager: Dan Bolster

Progress during 1st quarter FY 2021/2022:

Task 1.1: Project Kick-Off Meeting with EDCTC and Caltrans

EDCTC held a kick-off meeting with Caltrans staff on Tuesday, August 10, 2021, to discuss grant procedures and project expectations including invoicing (at least quarterly but not more frequently than monthly), quarterly reporting, and all other relevant project information.

Percent complete: 100%

Task 1.2: RFP for Consultant Services

EDCTC received the Notice to Proceed on September 22, 2021. EDCTC began drafting a Request for Proposals (RFP) at the end of the 1st quarter of FY 2021/2022 and will release it early in the 2nd quarter of FY 2021/2022.

Percent complete: 5%

Issues or delays: None.

Overall % Work Complete: 2%

Please call me at (530) 642-5260 if you have any questions or need additional information.

Sincerely,



Woodrow Deloria
Executive Director