

ATTACHMENT A

Scope of Work

I. PROPOSED PROJECT

- A. The Transportation Agency for Monterey County (“TAMC”) has been working to extend passenger rail service from Santa Clara County to the City of Salinas by way of the “Monterey County Rail Extension Project”. The service will start with two daily round trips between Salinas and Gilroy, with the potential for expansion of service in the future as demand warrants.
- B. The project is at the 75% design milestone and TAMC is seeking a firm to complete full construction documents for bidding purposes of the project which consists of:
 - 1. Construction of a train rail layover facility north of the Salinas train station;
 - 2. Track and platform improvements at and adjacent to the Gilroy train station; and
 - 3. Track improvements required for operation of rail service between San Jose and Salinas.
- C. This is a fully funded project with state-only funds. More information about the project is available online at TAMC website: [http://bit.ly/TAMC Kick Start](http://bit.ly/TAMC_Kick_Start)

II. TAMC PROVIDED ITEMS AND SERVICES

- A. TAMC shall provide the selected Consultant with:
 - 1. Project Study Report
 - 2. Alternatives Analysis
 - 3. Environmental documentation
 - 4. 75% designs
 - 5. Topographic surveys obtained to date
 - 6. Geotechnical investigations and reports obtained to date
 - 7. Utility information obtained to date
 - 8. Timely review of submittals

III. ITEMS AND SERVICES TO BE PROVIDED BY CONSULTANT

- A. Consultant shall furnish design services and project management for the final design phase, including:
 - 1. Project Management
 - 2. Topographic Surveys
 - 3. Utility Coordination
 - 4. Coordination with Union Pacific Railroad (UPRR) and Caltrain
 - 5. Geotechnical Investigations

6. Final Plans
7. Cost Estimates
8. Technical Specifications, Front End and other documents for bidding
9. Bid Support Services

IV. ADDITIONAL ITEMS AND SERVICES TO BE PROVIDED BY CONSULTANT

- A. Consultant may be asked to provide support to TAMC, the Project Manager, and task-specific teams on the following activities:
1. Design Support for Public Outreach
 2. Design Support for Permitting, including assisting staff with the National Pollutant Discharge Elimination System (NPDES) Permit
 3. Design Support for Property Acquisition
 4. Design Support during Construction

Consultant is not expected to provide the direct work on public outreach, permitting, property acquisition or construction work, but to provide support for TAMC efforts via the contracted design work. TAMC staff or other consultants will be responsible for taking the lead on these additional activities.

V. KICK-START PROJECT – DETAILED DESCRIPTION OF IMPROVEMENTS

- A. Salinas layover facility includes (see 75% plans online here: http://bit.ly/SNS_75):
1. Relocation of existing mainline and siding tracks,
 2. Construction of yard tracks,
 3. Installation of new turnouts,
 4. Utility relocation,
 5. Construction of service/maintenance road if needed,
 6. Construction of a maintenance building and crew base building,
 7. Installation of trash dumpster pad, potable water pedestals, standby power, and railroad track spill containment unit, and
 8. Installation of lighting, landscaping and fencing.
- B. Gilroy station track access improvements include (see 75% plans online here: http://bit.ly/GIL_75):
1. Construction of a new, second mainline track from end of station track (10th Street) to beginning of double track at East Luchessa Avenue (just west of US 101), using new continuous welded rail and concrete ties,
 2. Upgrade of existing track from East Luchessa Avenue (just west of US 101) to Copporal,
 3. Construction of a new tail track just south of Gilroy station platform,
 4. Removal and replacement of existing crossover just west of US 101,
 5. Installation of a new turnout,
 6. Utility relocation if needed,

7. Construction of vehicle/pedestrian grade crossing improvements at Luchessa Avenue and 10th Street, including relocation of existing warning devices at 10th Street and East Luchessa Avenue and construction of a concrete grade crossing at 10th Street and East Luchessa Avenue,
 8. Modifications to the existing rail platform, and
 9. Installation of station amenities such as ticket vending machines, public address speakers, static station signage, and a visual message system, as needed.
- C. Coast Main Line improvements include:
1. Trackage,
 2. Signaling, and
 3. Switching/turnouts.
- D. Environmental mitigations (see Mitigation Monitoring and Reporting Program online here: http://bit.ly/TAMC_Rail_MMP)

VI. EXPECTED PROJECT TIMELINE:

Overall Design Timeframe	Start Date	Finish Date
90% design:	April 2020	Sept. 2020
Project reviews and approvals:	Sept. 2020	Dec. 2020
Final design:	Dec. 2020	May 2021
Bid and award Construction:	May 2021	June 2021

VII. EXPECTED TASKS

- A. **Kick-off Meeting and Project Document Review** – Consultant shall: meet with TAMC staff to discuss the project, perform a peer review of all available project materials, and develop a work plan.

Deliverables:

1. Meeting notes
 2. Work Plan
- B. **Project Management** - Consultant shall provide overall Project Management for taking the project's design documents and completing the final design for the Kick-Start Project, preparing the project for the Construction phase. This includes:
1. Supervise and coordinate all design activities
 2. Track overall project schedule and design costs
 3. Attend twelve (12) Project Team meetings during the Final Design Phase.
- Consultant's design team members shall attend on an as needed basis.

4. Prepare a progress report and provide to TAMC Project Manager on a monthly basis with transmittal of the invoice (required for review and processing for payment).
5. Ensure the Consultant's team implements quality assurance procedures.
6. The Consultant's Project Manager shall review all quality assurance "check prints" and "review prints" prior to submitting deliverables.
7. Ensure coordination of all design work with other work being performed by others within the project limits.
8. Coordinate with TAMC, Caltrain, UPRR, and California Public Utilities Commission (CPUC), including quarterly meetings, as needed.
 - a) Coordination tasks include ensuring that Caltrain and UPRR's track design requirements have been followed and determining if Caltrain or UPRR will perform some of the work, such as Coast Main Line final design, procurement, and/or installation of track signals and flagging services.
 - b) Since the extent of the UPRR track and signal improvements are not known at this time, it is not possible to clearly identify the scope of work required to support those improvements.
 - c) The usual arrangement with UPRR would be for an agency consultant to provide 30% design of the track improvements, and the UPRR would complete that design as well as signal design.
 - d) Deliverables will need to comply with the computer drafting system used by UPRR and follow UPRR standards.

Deliverables:

1. Quality Assurance Procedures
2. Monthly Progress Reports

- C. **Topographic Surveys** - The Consultant will obtain up-to-date base mapping to complete the final design for the Kick-Start Project.

Deliverables:

1. One hard copy of all survey raw data, field notes and sketches
2. One hard copy and one electronic file of the survey points and monuments collected including point numbers, coordinates, elevations, descriptions
3. Survey points
4. Existing track alignments and profiles
5. Topographic survey drawings with surface features and contours
6. Digital Terrain Model files
7. Utility drawings
8. Survey and alignment calculations and traverses

- D. **Utility Investigations** - The Consultant will collect utility information from all utility owners (i.e., storm drain, sanitary sewer, water and street lighting from the cities of Gilroy and Salinas). Utility information will also be obtained from California Water

Service (water purveyor within Salinas), Pacific Gas & Electric, SBC (Pacific Bell), Comcast, AT&T Broadband, other cable, if any, and the Peninsula Corridor Joint Powers Board (PCJPB). The Consultant will commission and manage the work to obtain utility pothole information.

Deliverables:

1. Summary of utility information
2. Updates to utility owner contact information
3. Location, elevation and other utility information.

- E. **Geotechnical Investigations** - The Consultant shall commission and manage the work to obtain subsurface conditions for the design of the station platforms, station shelter or canopy at the stations. A report will be prepared to describe the subsurface soils conditions and how those conditions may affect proposed surface elements, as well as highlight the geotechnical recommendations for design. The log of test borings drawings will also be prepared to be included in the report and the plans, specifications and estimates package.

Deliverables:

1. Geotechnical design recommendations report

- F. **Final Design** - Consultant will prepare final engineering plans, technical specifications and cost estimates for bidding purposes. All plans shall be prepared in US Customary units and comply with all applicable standards and requirements, including those of UPRR, Caltrain, Americans with Disabilities Act (ADA), and the CPUC. Consultant shall provide TAMC with full plans, technical specifications and updated cost estimate for review at the 90% and 100% milestones. The milestone review sets shall be comprised of five full size plan sets, five half size plan sets, with the other items provided in PDF format on a thumb drive or other means. The files for the plans shall be included on the thumb drive with each submittal.

Deliverables:

1. Roadway Improvement Plans
2. Coast Main Line Track Improvement Plans
3. Railroad Signal Plans
4. Grading and Drainage Plans
5. Construction Staging Plans
6. Utility Plans
7. Architectural Plans
8. Structural Plans
9. Electrical and Communications Plans
10. Landscaping and Irrigation Plans
11. Station Parking Plans
12. Traffic Signal Plans

- G. **Estimates of Probable Construction Cost** - Prepare estimates of probable construction cost including a written basis of estimate defining all major parameters, assumptions, and sources of cost data used. The construction estimate will be submitted with all levels of design development.

Deliverables:

1. Estimates of probable costs