

1.0 INTRODUCTION

The San Joaquin County Department of Public Works (SJCDPW) requests proposals from qualified consulting engineers to undertake, perform, and complete the preparation of a Specific Road Plan for the Mariposa Road/Escalon-Bellota Road corridor (Project): Mariposa Road from Stockton City Limits to Escalon-Bellota Road and Escalon-Bellota Road from Mariposa Road to Escalon City Limits. The Specific Road Plan will be used to identify recommended interim and ultimate improvements necessary to accommodate forecasted traffic volumes; right-of-way needs; timing for implementation of improvements; preliminary cost estimates for improvements; and will also consist of preparation of a program level California Environmental Quality Act environmental document. A Final Report will be prepared summarizing analysis, findings, and recommendations.

PROJECT LOCATION: Unincorporated San Joaquin County along Mariposa Road from Stockton City Limits to Escalon-Bellota Road, and Escalon-Bellota Road from Mariposa Road to Escalon City Limits. (See Vicinity Map). The total corridor length is approximately 13.5 miles. However, the traffic analysis and circulation study will need to consider the "sphere of influence" around the Project area. The sphere of influence should include, but need not be limited to, the Cities of Stockton and Escalon, and any other significant road segments and intersections in the corridor.

ESTIMATED ENGINEERING SERVICES DURATION: Twelve to fifteen months from Notice to Proceed.

The Scope of Work includes: conducting a comprehensive review of the study area consisting of an evaluation of existing conditions, field survey, land use projections, traffic projections, traffic/circulation analysis, interim Project alternatives, ultimate roadway plan line, and environmental analysis. A Specific Road Plan and Final Report will be prepared to present the results of the review and recommend a preferred design alternative. Public participation and involvement will be an essential element of the process. The successful consultant firm and/or consultant team will be requested to enter into a consultant services agreement with San Joaquin County as set forth in this Request for Proposals (RFP).

2.0 PROJECT OBJECTIVES

The following are the desired Project objectives:

- Analyze existing traffic operations and future traffic forecasts.
- Identify interim and ultimate roadway improvement needs in the Mariposa Road/Escalon-Bellota Road Corridor to enhance safety and improve operations.
- Determine interim (to 2030) and ultimate (2045) right-of-way needs.
- Determine timing and phasing for implementation of improvements.
- Conduct environmental analysis and prepare document for clearance.

The SJCDPW is the lead agency for the Project. Participation of the City of Stockton and the City of Escalon will be essential for completion of a successful planning effort. Traffic Impact Mitigation Fees have been programmed for the Project and will fund the engineering services and environmental analysis. The San Joaquin County Department of Public Works Transportation Engineering Division will provide Project management and authorize payments to the consultant. The Specific Road Plan and Final Report will be prepared in accordance with County of San Joaquin standards.

3.0 SCOPE OF WORK

The professional services to be provided by the Consultant will consist of several different work tasks to facilitate a Specific Road Plan that will provide recommended interim and ultimate roadway improvements to accommodate forecasted traffic volumes.

The Consultant will be required to provide all labor, equipment, tools, and facilities necessary for the completion of the preliminary engineering, environmental scoping, and Specific Road Plan. The completed Specific Road Plan shall be due on or before 12 months from issuance of the Notice to Proceed. Acceptance by the Board of Supervisors is expected to be completed within three months of completion of the Specific Road Plan.

The work scope has been divided into seven different tasks (3.1 through 3.7). A preliminary description of the work scope is shown below, which provides guidance in preparing the proposal. Proposals must include specific details that identify the efforts necessary to accomplish each task. The preliminary work scope described in this RFP is provided for guidance only. Proposals will need to be detailed and defined in order to accomplish each task successfully.

The Consultant shall provide the following services:

Task 1: INFORMATIONAL OUTREACH AND MEETINGS

The Consultant shall include in the proposal provisions for conducting various meetings for the transfer and dissemination of information to the public and for the periodic tracking of Project progress. The objectives are to promote participation in the process, build community consensus, and improve communication and understanding among decision-makers and community residents.

The Consultant must take care to ensure that key community constituents are consulted at critical decision points. Technical information must be shared and prepared in a form which is understood by all parties. The Consultant must ensure that the community participation is tailored to the local area and meets its special needs. Community residents, professional experts and public officials must be actively engaged in a shared process of information gathering, problem identification, and priority setting. The Consultant must keep a careful record of community concerns and issues.

Task 1.1: PUBLIC INVOLVEMENT PROGRAM

The Consultant shall attend up to five public meetings for the presentation of concepts and design features to the County Board of Supervisors, Planning Commission and/or the public. At least three of these meetings shall be held in a nearby facility to present the Project to neighboring residents, and local businesses for the exchange of information and ideas about the Project design and related issues. The meetings will be designed to provide information and to obtain feedback on the Project features, design alternatives, and projected impacts to adjacent properties and businesses.

The Consultant shall schedule all meetings, make arrangements for facilities, issue meeting notices and prepare agenda and minutes. Public comments shall

be recorded, provided with an appropriate response, and considered in the Project design when possible. The Consultant shall be responsible for compiling all comments and recommendations for administrative and public review.

Task 1.2: PROJECT REVIEW MEETINGS

The Consultant shall schedule meetings with the SJCDPW for the periodic review of Project status and design concepts. Project review meetings shall be held monthly and incorporate the following four mileposts: (1) at a kick-off meeting; (2) at compilation of traffic analysis; (3) at preliminary design alternatives evaluation; and (4) at the 100 percent preliminary design final submittal. The kick-off meeting shall be scheduled for the introduction of staff, establishment of communication channels, clarification of procedures and formats to be used and discussion of design program schedule. The Consultant shall prepare all meeting notices, agenda and minutes. Project Review Meetings may be held on-line with prior approval of SJCDPW.

Task 1.3: ONE-ON-ONE MEETINGS

The Consultant shall attend up to ten one-on-one meetings during the alternatives development with individuals directly impacted by proposed design features. These meetings shall be held in a location convenient for the affected neighboring residents and local businesses, and will be focused on obtaining feedback on projected impacts to adjacent properties. One-on-one Meetings are expected to be a combination of in-person and on-line, with a majority being in-person on-site meetings.

Task 2: DATA COLLECTION/FIELD STUDY/MAPPING

The Consultant will compile and/or collect data necessary for the preparation of the Specific Road Plan, including but not limited to: existing mapping and survey data, General Plan and zoning maps, information on proposed developments and land use, as-built plans, monumentation maps, existing traffic data and studies, geotechnical reports, hazardous materials evaluations, river and drainage studies, maintenance records, design reports, and other applicable documents as required.

The consultant shall perform field reconnaissance along Mariposa Road/Escalon-Bellota Road and adjacent streets along the corridor to locate roadway right-of-way, underground utility facilities, railroads, power poles, wells, pumps, etc. Aerial photography shall be provided for the full length of the Project corridor. Rectified aerial photographs shall be suitable for planning, environmental studies and conceptual design layout at 1 inch = 100 feet horizontal scale. Base drawings and intersection geometrics shall be enlarged to 1 inch = 50 feet scale.

The consultant shall collect daily A.M. and P.M. peak hour traffic counts, average daily traffic volumes, speed surveys and accident records. The number of counts and surveys, and the type of accident data required will be determined during contract negotiation.

Task 3: TRAFFIC PROJECTIONS

The Consultant shall determine A.M. and P.M. peak hour projections, travel demand projections, and intersection turning movement projections for the interim and ultimate scenarios utilizing the current San Joaquin Council of Governments' traffic model. (Note: It may be necessary to modify this regional traffic model to provide more detailed zonal analysis of the study area.) Growth measures and land use developments from the County's General Plan, as well as General Plans from the Cities of Stockton and Escalon, should be considered in these projections.

Task 4: TRAFFIC/CIRCULATION ANALYSIS

The Consultant will analyze existing levels of service the existing and projected circulation systems of strategic routes for typical vehicles and large trucks, traffic operations, and alternative routes within the sphere of influence of the Project. This task will require analysis of the traffic circulation in the general area of the Project, as described under PROJECT LOCATION above. The analysis will include a study of the critical movements and provide recommendations that will enhance safety and improve traffic operations in the interim scenario and determine the number of mainline traffic lanes and intersection configurations necessary for Mariposa Road/Escalon-Bellota Road to accommodate ultimate scenario traffic volumes.

Task 5: ENVIRONMENTAL ANALYSIS

The Consultant shall conduct environmental analyses of the Project's area of potential effect sufficient to obtain environmental clearance for the Project in accordance with the California Environmental Quality Act (CEQA) guidelines. It is anticipated that an Initial Study will be required.

Task 5.1: ENVIRONMENTAL STUDIES AND REPORTS

The Consultant shall develop a Project description and be responsible for conducting all research and coordinating with all resource agencies to complete an Initial Study in accordance with California Environmental Quality Act (CEQA) guidelines. The Initial Study will determine the level of environmental clearance required for the Project. The Project description must describe Project characteristics and objectives and show the Project location on detailed maps.

The Consultant shall prepare the Initial Study and make a determination on the necessary scope of work needed for environmental clearance.

For purposes of submitting a cost proposal, the Consultant shall develop an anticipated scope of work necessary to complete a Negative Declaration (or possibly a Mitigated Negative Declaration). If it is determined that a Negative Declaration/Mitigated Negative Declaration is the document necessary for an environmental clearance, the Consultant shall prepare that document. The Consultant will be responsible for the filing of the (Mitigated) Negative Declaration. The Consultant shall submit to the SJCDPW three copies each of any documents and/or reports prepared for review and approval prior to the final filing of the same. The Consultant shall be responsible for the preparation and filing of all notices and publications required under local, State and Federal

guidelines. This scope of work and associated cost proposal will be the one used to determine the final Project “not to exceed” amount of the Agreement. The deliverable to be provided by the Consultant for the environmental portion of work will consist of a final document that has gone through all review periods as required by CEQA and the SJCDPW. The Consultant will respond to comments received and produce a final document for SJCDPW certification. Approval of the Initial Study will be by the San Joaquin County Board of Supervisors, which will be processed by the SJCDPW.

Task 5.2: Optional, Additive Scope of Work –

The following tasks shall be included in the Consultant proposal as optional, additive scope of work and cost proposal components but will not be used to determine the final Project “not to exceed” amount of the negotiated consultant service agreement. These additional services will be performed at the option of the County and are intended to ensure qualified Consultant personnel are available, if needed. If the County elects to proceed with these optional work tasks, then the County and the Consultant shall finalize a negotiated amount for compensation and shall execute a supplemental amendment to the consultant service agreement for completion of these additional services.

While not anticipated, it is possible that it may be necessary to complete a full Environmental Impact Report instead of a (Mitigated) Negative Declaration. These additional services will be performed at the option of the County after review of the delivered environmental clearance work products and the level of the Project funding. Proposals should establish what technical studies, if any, would be needed to facilitate environmental clearance.

Task 6: PROJECT EVALUATION/ALTERNATIVES DEVELOPMENT

Design criteria will be coordinated with the SJCDPW to include selection of appropriate design speeds, traffic index, roadway widths, etc. Alternatives shall consider roadway recommendations in the San Joaquin County General Plan 2035, the Envision Stockton 2040 General Plan, and the Escalon Master Plan. The evaluations shall identify constraints that will affect feasibility of implementing proposed alternatives, including engineering, right-of-way and local operational issues. Logical segmentation shall be determined for potential phasing of the Project. Alternative configurations developed should minimize impacts at sensitive or critical restraint areas to the greatest extent possible. Preliminary cost estimates will be developed for each alternative.

The Consultant will recommend preliminary street geometrics and intersection designs to serve the anticipated travel flow through 2045. The Consultant will prepare a preliminary report and supplemental working papers during development of the plan, setting forth the findings and interim conclusions and containing appropriate illustrations and tabulations, including: general location map; plan drawings showing intersection locations; typical roadway cross sections/geometric drawings; structural requirements; traffic demands and assignments; present and future land use maps; and preliminary cost estimates.

The Consultant will develop a basic roadway alignment that will mitigate the physical constraints and traffic capacity requirements of the study area. A minimum of one alternative to the basic alignment will be generated. In addition, a minimum of two

alternatives for all intersections shall be prepared. A matrix of weighted parameters will be developed to aid in the recommendation and ultimate selection of the final design from among the alternatives. The basic alignment, intersection treatments, and intersection configuration alternatives, along with the matrix of weighted parameters, will be presented to SJCDPW staff and to the public for review and comment. The review will at minimum include an analysis of the traffic and environmental constraints, the matrix of alignment alternatives, and the preliminary cost analysis.

Task 7: SPECIFIC ROAD PLAN/FINAL REPORT

The Consultant will prepare a Specific Road Plan and Final Report including, but not limited to, the following: a discussion of existing and future conditions along the study corridor; an analysis of design alternatives and the recommended interim and ultimate designs; specific criteria for initiation of any mainline widening identified; and a summary of the environmental analysis. Upon achieving consensus from San Joaquin County officials, Specific Road Plan and Final Report will be finalized summarizing analysis, findings, and recommendations.

4.0 PROJECT SITE VISIT

Prior to submitting a proposal, it is highly recommended that all potential Consultants and their subconsultants visit the Project site area. There are physical constraints and barriers (bridge structures, existing intersecting roadway alignments, homes, roadside drainage, existing utilities, trees, etc.) that will need to be identified and evaluated. The Consultant's costs for conducting a Project site visit are entirely the responsibility of the Consultant and shall not be chargeable in any way to the County.

5.0 COUNTY PROVIDED SERVICES

The County will provide the following services and/or information to the Consultant:

- 5.1 Survey Records and Maps: The SJCDPW will provide the Consultant with access to all pertinent maps and records relating to the Project as currently exist in SJCDPW files.
- 5.2 Information on Proposed Developments and Land Use: The SJCDPW will provide the Consultant with access to all pertinent information relating to the Project as currently exists in SJCDPW files.
- 5.3 As-Built Plans: The SJCDPW will provide the Consultant with access to all pertinent as-built plans relating to the Project as currently exists in SJCDPW files.
- 5.4 Existing Traffic Data and Studies: The SJCDPW will provide the Consultant with access to all pertinent existing traffic data and studies relating to the Project as currently exists in SJCDPW files.
- 5.5 Maintenance Records: The SJCDPW will provide the Consultant with access to all pertinent maintenance records relating to the Project as currently exists in SJCDPW files.