

CRESTLINE SANITATION DISTRICT

MEMORANDUM

DATE: January 13, 2022

TO: BOARD OF DIRECTORS
Crestline Sanitation District

FROM: Rick Dever
General Manager

SUBJECT: Engineering Quote for the CalTrans Hwy 189 Project – Sewer Relocation

A. RECOMMENDATION

To approve a bid proposal for Webb Associates to perform the Engineering portion of the Hwy 189 Project to Relocate the Sewer Line.

B REASON FOR RECOMMENDATION

Crestline Sanitation District is required to relocate its' sewer line due to the widening of Hwy 189. CalTrans' right of way is from 1933 and the District's sewer line was installed in the 1980's, requiring the District to move the sewer line at District cost.

C. OTHER INFORMATION

Management has been communitive with CalTrans about this project for quite some time. CalTrans re-engineered part of the project to minimize the impact to the District.

D. FISCAL INFORMATION

Engineering cost from Webb Associates is quoted at \$37,058

E. ATTACHMENTS

Proposal from Webb Associates

Corporate Headquarters
3788 McCray Street
Riverside, CA 92506
951.686.1070

Palm Desert Office
74967 Sheryl Avenue
Palm Desert, CA 92260
951.686.1070

Murrieta Office
41870 Kalmia Street #160
Murrieta, CA 92562
T: 951.686.1070

October 15, 2021

Rick Dever
General Manager
Crestline Sanitation District
24516 Lake Drive
Crestline, CA 92325

RE: Proposal for Hwy 189 Sewer Conflict

Dear Mr. Dever:

Per our meeting held on October 9 and your request for an Engineering Design Proposal for the Hwy 189 Sewer Conflict, Albert A. WEBB Associates (WEBB) is pleased to provide you with this proposal in response to this request. Enclosed you will find our Project Understanding (Exhibit "A"), Scope of Work (Exhibit "B"), and Compensation for Services (Exhibit "C") for your review and consideration.

We appreciate this opportunity to be of service to your firm and look forward to hearing from you. If you have any questions regarding this proposal, please contact us at 951-686-1070.

Sincerely,

ALBERT A. WEBB ASSOCIATES



Siming Zhang, PE
Senior Engineer



Brian Knoll, PE
Senior Vice President

EXHIBIT "A" PROJECT UNDERSTANDING

Our understanding of the needs for this proposed project is as follows:

Crestline Sanitation District (CSD) owns and operates a wastewater collection system and treatment plants to serve the Crestline area of San Bernardino County. Caltrans is proposing a project to widen Hwy 189 east of the intersection of Lake Gregory Drive, Hwy 189 and Hwy 18. The project will include the construction of a concrete deck supported by cast-in-drilled-hole (CIDH) piles to support the concrete deck due to the steep slope and historic wall adjacent to the project. The proposed deck is approximately 230 lf along the centerline of Hwy189. CSD owns and operates an 8-in diameter PVC sewer encased in concrete at this location. Caltrans has reported that the existing sewer is in conflict with the project and has requested that CSD relocate their sewer main prior to construction of the road widening project. CSD is still researching their existing rights within this roadway; encroachment permit, easement or other document; which may clarify which entity may need to fund the replacement project. CSD has concerns about accessibility to their sewer main with this concrete deck after construction is complete. Relocation of the sewer prior to constructing the CIDH piles may be a risk if the pile locations are changed in the field.

As part of this project, Webb will coordinate with Caltrans on behalf of CSD to determine how best to implement the project considering future accessibility. We have identified three approaches: 1) leave sewer in place and have Caltrans redesign the location of the CIDH piles around the sewer, 2) construct a temporary bypass pumping system while the CIDH piles are constructed and then relocate the sewer just before the deck is installed and 3) relocate the sewer based on the CIDH pile locations provided by Caltrans.

It is our understanding that Caltrans has mapped the area and provided potholing data for the project. Webb will use the autocad file and potholing prepared by Caltrans for our design. Webb survey team will collect all the USA marks in the field and add those marks to the autocad file. We also typically dip manholes as part of this work, however, the existing manholes are covered with asphalt pavement. If CSD forces remove and replaces this asphalt, Webb will dip the manholes to confirm the flow lines of the existing sewer. Otherwise, Webb will not dip the manholes and rely on other data. Per our standard procedures for any design project, Webb will send out utility coordination letters to all other agencies per the USA system and add any additional utilities to the project files. If additional potholing is required during the course of the design project, Webb will coordinate with CSD on how best to implement that required potholing. An additional proposal can be submitted for this work.

A complete set of plans and specifications will be required suitable to publicly bid the project. We anticipate that the relocation plans will be within Hwy 189 and will be no more than one plan and profile sheet at 40-scale. Traffic control plans will be required for Caltrans permitting. Bidding support is included in the project. Additional services during construction such as Construction Management, Inspection and Engineering Support during construction are not part of this proposal and can be provided once the approach is finalized.

The following basic assumptions for the project are as follows:

- 1) Aerial Survey and mapping from the Caltrans project will be suitable for this design therefore no additional survey and mapping is anticipated except to locate the new utility location marks within the project limits.

- 2) The existing sewer is encased in concrete per the design plans and confirmed Caltrans potholing data.
- 3) No additional potholing will be done to support this project.
- 4) A permit for this project is required from Caltrans.
- 5) Traffic Control plans will be required for the Caltrans permit.
- 6) Engineering Support during Construction, Construction Management and Inspection is not included in this proposal. A proposal can be prepared once the construction plans and implementation approach are determined.

Notes:

Please contact us immediately if our understanding of the project needs is not consistent with your understanding so that the proposal can be revised accordingly.

EXHIBIT “B” SCOPE OF WORK

Task 1 – Project Management and Meetings

- Hold kick-off meeting with CSD staff to review assumptions and project approach.
- Coordinate with Caltrans regarding the design requirements and approaches, update CSD on our findings
- Project Management and Coordination

Deliverables

The following deliverables are anticipated:

- Meeting Agenda and minutes for the kick-off meeting and two design review meetings
- Caltrans Status Updates – as needed

Task 2 – Design Phase

- Perform utility research for the project area
- Hold site walk with CSD representative to review current site condition and discuss project details and limitations, survey USA marks for confirmation into the Caltrans autocad file.
- Prepare plans and specifications for:
 - 60% Submittal
 - 90% Submittal
- Prepare 100%/final plans and specifications suitable for bidding
- Prepare cost estimate for the project
- Prepare traffic control plans
- Apply for Caltrans encroachment permit and coordination

Deliverables

The following deliverables are anticipated:

- 60% Submittal Package
- 90% Submittal Package
- 100% Plans and Specifications
- Caltrans Permit and traffic control plans
- Coordination meeting notes and follow up action items

Task 3 – Bidding Support

- Attend Pre-Bid Meeting.
- Prepare Addenda based on bidder's questions, two addenda assumed.
- Attend Bid Opening
- Review bids and prepare a recommendation letter for award of the construction contract
- Prepare conformed plans and specifications

Exclusions

Any work relating to the following is specifically excluded for the services proposed herein and, if required, must be contracted for under a separate contract or as an addendum to this contract:

- Additional Survey or mapping beyond surveying existing USA marks
- Potholing
- Engineering Support during Construction, Construction inspection, Construction surveying and staking.
- Geotechnical studies and material testing.
- Payments of any fees to agencies or utilities, CSD will pay all required fees directly
- Any other work task not specifically indicated in the Scope of Services.

EXHIBIT "C" COMPENSATION FOR SERVICES

Work shall be billed on a time and materials for the amount indicated below without prior authorization from the client. Total fees for services shown in the Scope of Work (Exhibit "B") shall be **\$37,058**. See attached task breakdown. Charges for services will be billed monthly based on hours and reimbursable expenses.

Any additional services requested outside this scope will be provided under separate contract addenda for additional fees. Invoices will be submitted monthly based on the percentage of work completed. All invoices shall be due and payable upon receipt. If invoices remain unpaid after 30 days, work on project may cease and interest of 1.5% per month shall be charged on unpaid balances.

Reimbursable expenses are charges for deliveries, printing, copying, mileage, postage, outside services, and for coordination or other services not specifically listed in the scope of work. Reimbursable expenses will be billed on a time and material basis, in accordance with our Schedule of Fees. Checking and/or filing fees are not included in this contract and shall be paid by the client directly to the appropriate governmental agency.



Hwy 189 Sewer Relocation Crestline Sanitation District

Item	Description	Bruce Davis Principal II \$ 293	Siming Zhang Principal I \$ 279	Elizabeth Xiong Assistant V \$ 173	Sean Chotikasatien Assistant IV \$ 156	Matthew Sievers Party Chief/2-Person Survey Crew \$ 302	Teresa Deshazer Project Coordinator \$ 115	Total Hours	Subtotal - Labor	Expenses	Total/task ¹
Task 1 - Project Management & Meetings											
	1.1 Hold Kick off meeting	1	2	2			4	30	\$ 6,894	\$ 50	\$ 6,944
	1.2 Coordination with Caltrans		8	6			2	16	\$ 3,500	\$ 50	\$ 3,550
	1.3 Project Management	1	6				1	8	\$ 2,082	\$ -	\$ 2,082
Task 2 - Design Phase											
	2.1 Site Walk & Utility Research		3				8	11	\$ 1,757	\$ 114	\$ 1,871
	2.2 Site Survey for USA marks			3		6	1	10	\$ 2,446	\$ 100	\$ 2,546
	2.3 60% Design Plans		2	4	8			14	\$ 2,498		\$ 2,498
	2.4 90% Design Plans		4	8	24			36	\$ 6,244		\$ 6,244
	2.5 100% Design Plans		2	6	8			16	\$ 2,844		\$ 2,844
	2.6 Specifications and Bid Documents		6	8			4	18	\$ 3,518		\$ 3,518
	2.7 Traffic Control Plans		4	8	8		4	24	\$ 4,208		\$ 4,208
Task 3 - Bidding Support											
	3.1 Attend Pre-Bid Meeting		12	12			7	31	\$ 6,229	\$ 156	\$ 6,385
	3.2 Prepare Addenda		3				1	4	\$ 952	\$ 78	\$ 1,030
	3.3 Attend Bid Opening		2	6			2	10	\$ 1,826		\$ 1,826
	3.4 Review Bids and prepare letter		3	2			2	3	\$ 837	\$ 78	\$ 915
	3.5 Prepare conformed documents		1	4			2	7	\$ 1,413		\$ 1,413
								2	\$ 1,201		\$ 1,201
Total		2	49	57	48	6	28	190	\$ 36,638	\$ 420	\$ 37,058

1. Rounded to the nearest \$1.