

October 28, 2022

Mr. Frank Senteno, PE
City Engineer
City of Visalia
315 East Acequia Avenue
Visalia, CA 93291

Subject: Amendment No. 2 for the City of Visalia Public Facility Master Plans for Storm Water and Sanitary Sewer Collection

Dear Mr. Senteno:

Per our previous discussions, the Carollo Engineers, Inc. (Carollo)/CWE team are requesting an amendment to the City of Visalia Public Facilities Master Plans for Storm Water and Sanitary Sewer Collection Project (Master Plans). The Storm Water portion of the Master Plans Project is over budget for several tasks due to the extra work that was not anticipated during the development of Amendment 1 to the master plans. The following summarizes the additional effort that was not originally included in Amendment 1.

Storm Water Master Plan

The stormwater portion of the project is over budget for several tasks. The master plan originally expected a total of 20 to 25 CIP projects (existing and proposed). There are currently 19 existing conditions CIP projects and three of them have alternative options for a total of 22 projects. The original scope of work was prepared based on an assumption of 20 to 25 projects with a cost of \$3,000 to \$5,000 per concept developed. There are 31 proposed conditions projects under evaluation. The work on the existing conditions CIP projects and the initial evaluation of proposed conditions projects has exhausted the budget for the master plan. The City would like the proposed conditions CIP projects to be evaluated and to be included in the NEXUS study for evaluating usage fees. The Master Plan Report writeup will still be prepared as scoped.

The costs provided for the amendment include the current work that is progressing on 31 proposed conditions CIP projects. These efforts include model development and analysis, determination of the trunkline and basin locations and sizes, evaluation of the previously proposed CIP projects identified by the City for the existing conditions, development of the CIP data sheets for the master plan, and one revision of the sheets based on City comments. There will be no revisions above these efforts.

Sewer Master Plan

We are not requesting any amendments to the Sewer Master Plan tasks (Tasks 7 – 12).

Proposed Fee Adjustments for Master Plans

The attached letter from Vik Bapna, dated October 21, 2022 provides a detailed breakdown of the estimated effort needed for CWE to complete the Storm Water Master Plan, along with a detailed breakdown of the effort expended to date. Table 1 below provides a summary of the original estimated fee, by task. It also summarizes the additional funds needed to complete the project, including a subconsultant markup of 2.5-percent, which has been reduced from Carollo's standard 10-percent subconsultant markup in an attempt to minimize costs to the City to the extent possible. We are requesting an additional \$97,070 be added to the Master Plans contract, for a total revised contract amount of \$835,713.

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Table 1 Revised Fee Estimate for the City of Visalia Public Facility Master Plans

Task No.	Task Name	Original Contract Amount (\$)	Additional Requested Funds ^{(1),(2)} (\$)	Total Revised Contract (\$)
Storm Water Master Plan				
1	Data Review	\$23,494	\$0	\$23,494
2	Model Development	\$175,478	\$0	\$175,478
3	Master Plan Development	\$169,080	\$91,770	\$260,850
4	Nexus Study	\$33,400	\$0	\$33,400
5	Stakeholder Involvement	\$18,600	\$0	\$18,600
6	Project Management	\$39,391	\$5,300	\$44,691
Storm Water Master Plan Subtotal		\$459,443	\$97,070	\$556,513
Sewer Master Plan				
7	Data Review	\$81,400	\$0	\$81,400
8	Model Development	\$60,200	\$0	\$60,200
9	Master Plan Development	\$77,800	\$0	\$77,800
10	Nexus Study	\$16,700	\$0	\$16,700
11	Stakeholder Involvement	\$17,600	\$0	\$17,600
12	Project Management	\$25,500	\$0	\$25,500
Sewer Master Plan Subtotal		\$279,200	\$0	\$279,200
Total		\$738,643	\$97,070	\$835,713

Notes:

- (1) The attached letter from Vik Bapna, dated October 21, 2022 provides a detailed breakdown of the estimated effort needed for CWE to complete the Storm Water Master Plan. This table provides the additional funds needed to complete the Master Plan.
- (2) The total additional funds requested include a 2.5-percent subconsultant markup, which has been reduced from the standard 10-percent markup in an attempt to minimize additional costs to the City.

We appreciate being of service on this project, and look forward to completing the master plans as soon as possible. If there are any questions, please do not hesitate to contact us.

Sincerely,

CAROLLO ENGINEERS, INC.



Ryan F. Orgill, PE
Project Manager

RFO:cjp

Enclosures: Letter from Vik Bapna, dated October 21, 2022

cc: Katherine Woodhull-Fuget, Ben Willardson



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October 21, 2022

Mr. Frank Senteno, PE
City Engineer
City of Visalia
315 East Acequia Avenue
Visalia, California 93291

Change Order Request: City of Visalia Stormwater Master Plan Modeling

Dear Mr. Senteno,

As requested in previous discussions, CWE has prepared a change order request for the City of Visalia Stormwater Master Plan modeling effort and development of the stormwater masterplan which includes a summary of the need for additional funds and the amount requested. The project is over budget for several tasks. The master plan originally expected a total of 20 to 25 CIP projects (existing and proposed). There are currently 19 existing conditions CIP projects and three of them have alternative options for a total of 22 projects. The original scope of work was prepared based on an assumption of 20 to 25 projects with a cost of \$3,000 to \$5,000 per concept developed. The budget for this work was exceeded as we have worked on completing the existing conditions CIP project analysis and have started on the proposed conditions analysis.

There are 31 proposed conditions projects under evaluation. The work on the existing conditions CIP projects and the initial evaluation of proposed conditions projects has exhausted the budget for the master plan. The City would like the proposed conditions CIP projects to be evaluated and to be included in the NEXUS study for evaluating usage fees.

CWE has continued working on the CIP projects to keep the project moving forward as requested by City staff. We have been working with the City staff to determine the most cost effective way to complete the work needed for the NEXUS study and master plan. Several tasks with lower benefits to the master planning effort are expected to be dropped. These include evaluation of the system performance under the updated design storm with and without Low Impact Development (LID), evaluation of an increased design storm depth of 0.5 and 1.0 inches, and evaluation of ditches with Kaweah flows and storm water.

The costs provided for the change order include the current work that is progressing on 31 proposed conditions CIP projects. These efforts include model development and analysis, determination of the trunkline and basin locations and sizes, evaluation of the previously proposed CIP projects identified by the City for the existing conditions, development of the CIP data sheets for the master plan, and one revision of the sheets based on City comments. There will be no revisions above these efforts. This information will be provided to Carollo for continuation of the NEXUS study.

The table below shows the most current and previous invoice fees, the funds spent to date, and the total contract amount. The amount that is required to finish the modeling work and the Stormwater Master Plan are provided in the last column.

Task	Description	Billed to Date	Actual Cost to Date	Contract Amount	Percent Complete	Expended Cost Above Contract	Estimate to Complete	Total Additional Need
1	Review Data	\$19,840	\$19,795	\$19,840	100%	\$0.00	\$0.00	\$0.00
2	Model Development	\$156,480	\$156,456	\$156,480	100%	\$0.00		\$0.00
3	Master Plan	\$127,645.80	\$201,399	\$134,364	90%	\$67,035	\$22,505	\$89,540
5	Stakeholder Involvement	\$0.00	\$0.00	\$1,000	0%	\$0.00	\$0.00	\$0.00
7	Project Management	\$18,019.45	\$18,116	\$18,110	100%	\$0.00	\$5,172	\$5,172
	Total	\$321,985.25	\$395,766	\$329,794	~93%			\$94,712

If you have any questions or require additional information, please contact Dr. Ben Willardson at (801) 310-6153 or at bwillardson@cwecorp.com, or me at (714) 526-7500 Ext. 212 or vbapna@cwecorp.com.

Respectfully submitted,

CWE



Vik Bapna, PE, ENV SP, CPSWQ, QSD/P
Principal