

**AMENDMENT NO. 2 TO THE
AGREEMENT FOR PROFESSIONAL SERVICES BETWEEN THE
CITY OF MANTECA AND CAROLLO ENGINEERS, INC.**

This Amendment No. 2 (“Amendment”) to Agreement C2024-120 (“Agreement”) between the City of Manteca and Carollo Engineers, Inc. is made and entered into this ___ day of _____, 20__, by and between Carollo Engineers, Inc., a Delaware corporation (“Consultant”) and the City of Manteca, a municipal corporation (“City”).

RECITALS

A. On August 6, 2024, the City of Manteca entered into an Agreement with Consultant to provide professional services for the preparation of a predesign report as a basis of design for WQCF Ammonia Sidestream Treatment and Ultra-Violet Disinfection System Rehabilitation Project CIP No. 25004 & 25005 (“Project”).

B. On May 5, 2025, the City of Manteca executed Amendment No. 1 to the Agreement with Consultant for expanded tasks and fee to serve as the City’s Agent in moving forward with delivering the Project via a Progressive Design-Build delivery method.

C. City now desires to amend the Agreement in order to expand the tasks set forth in the Scope of Services.

D. Consultant represents that it has the necessary professional skills and experience to satisfactorily provide consulting services in a timely manner.

E. City desires to engage Consultant for the purposes of completing the scope of services identified.

NOW, THEREFORE, the parties hereby agree as follows:

1. Statement of Work. Attachment 1 to the Agreement is hereby amended by adding Task 4 only set forth in Attachment 1 to this Amendment, attached hereto and incorporated herein by reference, “Statement of Work and Activities #3”.
2. Paragraph 3 of the Agreement is hereby amended to read as follows:

“3. Time of Performance. The services of Consultant are to commence upon execution of this Agreement and shall continue until all authorized work is approved by the City. All such work shall be completed no later than June 30, 2028.

3. Paragraph 4 of the Agreement is hereby amended to read as follows:

“4. Compensation. Compensation to be paid to Consultant shall be in accordance with the Schedule of Charges set forth in Attachment 2, which is incorporated herein by reference. In addition to the Compensation for the Agreement, compensation for Amendment No. 2 services shall in no event exceed THREE HUNDRED THOUSAND DOLLARS AND ZERO CENTS (\$300,000.00) and previously unused approved budgets without additional authorization from the City. In no event shall total compensation for work performed pursuant to this Agreement and Amendment No. 1 & No. 2 exceed ONE MILLION FOUR HUNDRED NINETY-FOUR THOUSAND SEVEN HUNDRED FORTY-FOUR DOLLARS AND ZERO CENTS (\$1,494,744.00) without additional authorization from the City. An additional THREE HUNDRED SIXTY THOUSAND FOUR HUNDRED SIX DOLLARS AND ZERO CENTS (\$360,406.00) may be authorized at a later date with City authorization. Payment by City under this Agreement shall not be deemed a waiver of defects, even if such defects were known to the City at the time of payment.”

4. Except as otherwise provided in this Amendment, the Agreement shall continue in full force and effect.

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TO EFFECTUATE THIS AMENDMENT, each of the parties has caused this Agreement to be executed by its duly authorized representative as of the date set forth in the introductory paragraph on page 1 above.

CITY OF MANTECA:

CONSULTANT:

Toni Lundgren
City Manager

Carollo Engineers, Inc.

(Type name of Consultant/form of organization)*

ATTEST:

Cassandra Candini-Tilton,
Director of Legislative Services

By: 

(Signature)

Anne E. Prudhel, Executive Vice President

(Type name and title)

COUNTERSIGNED:

Matthew Boring
Director of Finance

By: 

(Signature)

Ryan Sellman, Vice President

(Type name and title)

COUNTERSIGNED:

Stephanie Van Steyn,
Director of Human Resources

Address: 2520 Venture Oaks Drive, Suite 400

Sacramento, CA 95833

Telephone: 916-565-4888

APPROVED AS TO FORM:

Andy Pinasco, Interim City Attorney

By: _____
Kousha Mckeenejad, Deputy City Attorney

ATTACHMENT 1

STATEMENT OF WORK AND ACTIVITIES #3

Scope of Services – City of Manteca WQCF UV Modifications and Sidestream Treatment Project Owner Advisory Services for Progressive Design-Build Project Delivery Pre-Construction and Construction Services

The following scope of services and associated labor hours and fee estimates should be considered preliminary as you may wish to add, remove, or refine tasks listed in the scope. We look forward to working with you to refine the scope and fee estimate where appropriate to meet your project needs and budget expectations.

TASK 4 – OWNER’S ADVISOR AND DESIGN REVIEW DURING PRE-CONSTRUCTION SERVICES

Consultant will coordinate with Design-Build team through final design. Coordination includes project management through design, attending meetings, intermediate design reviews, responding to RFIs, review of pay applications, and coordination between City staff and the DB team.

4.1 – Project Management

Consultant will review budget status, provide supervision of project activities, and review deliverables. Consultant will administer and coordinate issues between DB team and City, will provide the appropriate engineer to assist, assign due dates, and monitor status, and maintain overview through the project.

4.2 – Design Meetings

Consultant will attend design meetings as scheduled by the DB team, including preconstruction phase kick-off meeting, monthly progress meetings, and bi-weekly design meetings with the PDB team and City staff as outlined in subsequent tasks. Other meetings as necessary, including up to 12 workshops, six (6) constructability meetings, four (4) value engineering workshops, quarterly risk management workshops, conference calls, and other meetings throughout the duration of the project to coordinate all project activities, act as the City Representative, and report back any pertinent information to the City.

4.3 – 25% Design and Cost Development Oversight

4.3.1 – 25% Design Development Support

Consultant will attend bi-weekly design meetings (6) lead by the PDB team, through the duration of the 25% design development period, providing input as necessary during the progression of the design in accordance with the technical requirements. Number of meetings is based on the duration of this phase as shown in Overaa’s proposed schedule.

Consultant will provide review of and responses to required submittals and Requests for Information (RFI)s from the PDB team.

4.3.2 – 25% Design Review

Consultant will review the 25% design submittals (25% plans, 25% specifications, survey, geotechnical investigation) from the PDB team. Comments will be coordinated with the City and provided to the PDB team to address and track.

Consultant will participate in the PDB team lead 25% Design Review Workshop.

4.3.3 – 25% Cost Estimate Review

Consultant will provide an independent evaluation and validation of the cost estimate prepared by the PDB team at the 25% design completion milestone, determining compliance with the approved cost estimate model and providing recommendations for potential cost savings.

Consultant will review the PDB team’s critical path method (CPM) schedule, schedule of submittals, schedule of values, and cash flow curves and consult with the City as necessary concerning acceptability.

4.3.4 – 25% Value Engineering and Constructability Workshop

Consultant will participate in a 25% value engineering and constructability review workshop with the PDB team to identify opportunities for improving construction efficiency and reducing cost and schedule.

Consultant will coordinate with Design-Builder and the City to identify the benefits and feasibility of early work packages to support schedule and other project objectives.

4.4 – 50% Design and Cost Development Oversight

4.4.1 – 50% Design Development Support

Consultant will attend bi-weekly design meetings (2) lead by the PDB team, through the duration of the 50% design development period, providing input as necessary during the progression of the design in accordance with the technical requirements. Number of meetings is based on the duration of this phase as shown in Overaa’s proposed schedule.

Consultant will provide review of and responses to required submittals and Requests for Information (RFI)s from the PDB team.

4.4.2 – 50% Design Review

Consultant will review the 50% design submittals (50% plans, 50% specifications) from the PDB team. Comments will be coordinated with the City and provided to the PDB team to address and track.

Consultant will participate in the PDB team lead 50% Design Review Workshop.

4.4.3 – 50% Cost Estimate Review

Consultant will provide an independent evaluation and validation of the cost estimate prepared by the PDB team at the 50% design completion milestone, determining compliance with the approved cost estimate model and providing recommendations for potential cost savings.

Consultant will review the PDB team’s critical path method (CPM) schedule, schedule of submittals, schedule of values, and cash flow curves and consult with the City as necessary concerning acceptability.

4.4.4 – 50% Value Engineering and Constructability Workshop

Consultant will participate in a 50% value engineering and constructability review workshop with the PDB team to identify opportunities for improving construction efficiency and reducing cost and schedule.

Consultant will coordinate with Design-Builder and the City to identify the benefits and feasibility of early work packages to support schedule and other project objectives.

4.5 – 75% Design and Cost Development Oversight

4.5.1 – 75% Design Development Support

Consultant will attend bi-weekly design meetings (9) lead by the PDB team, through the duration of the 75% design development period, providing input as necessary during the progression of the design in accordance with the technical requirements. Number of meetings is based on the duration of this phase as shown in Overaa’s proposed schedule.

Consultant will provide review of and responses to required submittals and Requests for Information (RFI)s from the PDB team.

4.5.2 – 75% Design Review

Consultant will review the 75% design submittals (75% plans, 75% specifications) from the PDB team. Comments will be coordinated with the City and provided to the PDB team to address and track.

Consultant will participate in the PDB team lead 75% Design Review Workshop.

4.5.3 – 75% Cost Estimate Review

Consultant will provide an independent evaluation and validation of the cost estimate prepared by the PDB team at the 75% design completion milestone, determining compliance with the approved cost estimate model and providing recommendations for potential cost savings.

Consultant will review the PDB team’s critical path method (CPM) schedule, schedule of submittals, schedule of values, and cash flow curves and consult with the City as necessary concerning acceptability.

4.5.4 – 75% Value Engineering and Constructability Workshop

Consultant will participate in a 75% value engineering and constructability review workshop with the PDB team to identify opportunities for improving construction efficiency and reducing cost and schedule.

Consultant will coordinate with Design-Builder and the City to identify the benefits and feasibility of early work packages to support schedule and other project objectives.

4.6 Guaranteed Maximum Price (GMP) Evaluation

Consultant will review the GMP proposal submitted by the PDB team to confirm compliance with the PDB contract requirements and will notify the City of any deficiencies, and coordinate with the City and PDB team to revise the GMP proposal for acceptance by the City.

Consultant will provide an additional independent evaluation and validation of any changes made beyond the 75% cost model.

4.7 Early Procurement

Consultant will review approach and submittals for early procurement submittals and support the City

with contract negotiation with the PDB team for up to three (3) early procurement packages associated with UV equipment, sidestream treatment equipment, and electrical equipment and switchgear. It is assumed that a total of 15 original submittals and 15 resubmittals will be provided.

This does not include factory inspection of equipment or construction phase services.

4.8 PDB Phase 2 Contract Negotiations

Consultant will review and assist the City in the negotiation of the PDB contract construction amendment (or contract, depending on City legal counsel approach) including the contract terms and pricing.

Consultant will support City staff and legal counsel in preparing/finalizing the PDB contract construction amendment documentation and develop final contract exhibits as necessary to be included in the construction amendment.

As requested by the City, Consultant will support the preparation of draft and final documentation for City Council approval of the PDB contract construction amendment. This task assumed 116 hours of Consultant's time. If due to the nature of the negotiations more effort is needed, an amendment may be needed.

TASK 5 - OWNER'S ADVISOR AND DESIGN REVIEW DURING CONSTRUCTION SERVICES

5.1 – 90% Design and Cost Development Oversight

5.1.1 – 90% Design Development Support

Consultant will attend bi-weekly design meetings (6) lead by the PDB team, through the duration of the 90% design development period, providing input as necessary during the progression of the design in accordance with the technical requirements. Number of meetings is based on the duration of this phase as shown in Overaa's proposed schedule.

Consultant will provide review of and responses to required submittals and Requests for Information (RFI)s from the PDB team.

5.1.2 – 90% Design Review

Consultant will review the 90% design submittals (90% plans, 90% specifications, survey, geotechnical investigation) from the PDB team. Comments will be coordinated with the City and provided to the PDB team to address and track.

Consultant will participate in the PDB team lead 90% Design Review Workshop.

5.2 – Final Design and Cost Development Oversight

5.2.1 – 100% Design Development Support

Consultant will attend bi-weekly design meetings (5) lead by the PDB team, through the duration of the 100% design development period, providing input as necessary during the progression of the design in accordance with the technical requirements.

Consultant will provide review of and responses to required submittals and Requests for Information (RFI)s from the PDB team.

5.2.2 – 100% Design Review

Consultant will review the 100% design submittals (100% plans, 100% specifications, survey, geotechnical investigation) from the PDB team. Comments will be coordinated with the City and provided to the PDB team to address and track.

Consultant will participate in the PDB team lead 100% Design Review Workshop.

TASK 6 – CONSTRUCTION MANAGEMENT OVERSIGHT

Consultant will provide CM oversight of the PDB team during construction. Work includes confirming the PDB team is performing their QA/QC checks, reviewing pay applications, coordination with City staff, review of submittals and RFIs, and reviewing schedule.

6.1 – Project Management During Construction

Consultant will furnish a Project Manager to coordinate all Consultant operations with the City, including but not limited to month project progress reports, administering subcontracts, and providing overall project management, coordination, and supervision of project staff to facilitate the performance of the work.

6.2 – Preconstruction Services

6.2.1 – Labor Compliance. Consultant Construction Manager will review certified payroll records to verify that the Contractor or subcontractor is in compliance with the State Labor Code. Certified payroll submittals will be directed to the Department of Industrial Relations (DIR).

6.2.2 – Schedule Review. Consultant Construction Manager will review contractor's schedule, evaluate and confer with the City regarding workability of the scheduled or suggest changes that may improve the schedule. Schedule review will be in coordination with project deadlines as well as work sequencing. This will be coordinated closely with the design team and operators.

6.2.3 – Safety Plan. Consultant Construction Manager and/or inspectors will review and monitor the safety programs developed by the Contractor and as required by OSHA/Cal-OSHA. Consultant will also provide their own project safety plan for Consultant staff.

6.3 – Construction Management Services During Construction

Provide construction management oversight, project observation/inspection during construction. Consultant management services will be in accordance with the latest City Standards, Project Specifications, Caltrans standards, and American Water Works Association (AWWA) standards. Consultant Construction Manager will maintain close contact with City on all correspondence.

6.3.1 – Construction Inspection. Consultant Construction Manager and/or inspectors will provide day-to-day on-the-job observation/inspection of all construction work on the project. Consultant inspectors will make reasonable efforts to guard the City against defects and deficiencies in the work of the Contractor and to confirm provisions of the contract documents are being fulfilled; prepare daily inspection reports documenting observed construction activities; take progress photographs, label them, and put them on ACC; review contractor record drawing markups; punch lists; coordinate with the City for final inspection; and assist with all other matters relating to construction of the project. This includes performing daily reports and tracking weekly statements of working days.

6.3.2 – Weekly Progress Meetings. Consultant Construction Manager will schedule and conduct construction weekly progress meetings online using Microsoft Teams. Prepare and distribute meeting minutes and agendas to all attendees. Weekly in-person meetings can be scheduled as necessary.

6.3.3 – Monthly Project Updates. Consultant Construction Manager will attend monthly status report meetings with the City to review detailed construction progress and budget status through Microsoft Teams. Monthly in-person meetings can be scheduled as necessary.

6.3.4 – Schedule Update Review. Consultant Construction Manager will enforce the construction schedule and phasing plan to complete the project within the allocated time and schedule. Perform schedule analysis, as needed.

6.3.5 – Pay Application Review. Consultant Construction Manager will monitor the construction budget and confirm that the project remains within budget, including a detailed tracking of installed and expected quantities of work. This includes review and recommending for approval monthly pay applications and pay quantities from the Contractor. Consultant will review and approve Contractor's schedule of values to confirm it meets contract requirements.

6.3.6 – Submittal Review. Consultant Construction Manager will review and respond to product and project and material submittals and/or coordinate with the Design Engineer and the City to review project submittals. Maintain a submittal log and track turnaround time to avoid delays. Consultant Engineering team will verify final submittal information from the PDB team.

6.3.7 – RFI Review. Consultant Construction Manager will review and respond to all Requests for Information (RFIs) and/or coordinate with the Design Engineer to provide responses. Log and track RFI progress.

6.3.8 – Change Order Review. Consultant Construction Manager will review all change orders related to construction issues based on the project drawings, specifications, and other design information from the Design Engineer. Consultant will perform change order analysis, including reviewing: logs of proposed change orders, change order quotations from Contractor, negotiated change order costs, time extensions, processing final negotiated change orders, and effect of approved change orders in progress payment breakdowns. Consultant will prepare Contract Change Orders and recommendations to accompany change order documents and forward to the Resident Engineer for review and approval.

6.3.9 – Certificate of Compliance. Consultant Construction Manager will review and inspect for certificates of compliance with each project delivery for furnished construction materials to be incorporated into the work.

6.3.10 – SWPPP Review. Consultant Construction Manager and/or inspectors will provide Storm Water Pollution Prevention Plan (SWPPP)/Water Pollution Control Plan (WPCP) services including inspections and reporting for the project. Oversee the implementation of the SWPPP/WPCP, including oversight of the monitoring/sampling, weather and event tracking requirements, visual monitoring, inspections, and checklists.

6.3.11 – Shutdown/MOP Review. Consultant Construction Manager will review shutdown requests (MOPs) to determine compliance with the Project contract documents. MOPs should be tracked in the baseline and updated schedules.

6.4 – Quality Assurance and Materials Testing Services

Coordinate and provide required testing as stated in the specifications and special inspections as necessary.

6.4.1 – Materials Testing. Consultant will provide a sub-consultant (Kleinfelder) as a certified materials testing agency (MTA) to perform testing services. The MTA sub-consultant will refer to the Caltrans Quality Assurance Program for testing sampling and testing guidelines. For all improvements (HMA, AB, slurry seal, etc.), the QA/QC construction process will follow Project Specifications. The MTA will have an Independent Quality Assurance Program to verify that acceptance testing is being performed correctly with properly calibrated equipment in good working order. All test results will be reported to the City in the shortest time that the specific test will realistically allow. The Consultant guarantees that the offered equipment, material or services meet all safety requirements applicable in accordance with Cal-OSHA regulations and any other rule or regulation required by the City. If the MTA fails any tests or inspections, retests or re-inspections will be required. Retests and re-inspections will be billed at the same rates as the original tests. Retests will be marked on reports and invoices to help facilitate back charging to the Contractor, if allowed by the project contract. The MTA sub-consultant will submit to the City all applicable certifications for the laboratory and testing personnel that will be working on the project. All certifications must be kept current throughout the project duration. If certifications are updated while the project is underway, the updated certificate will be submitted to the City immediately. It is the intent of the City to maintain a consistency of material testing quality throughout each phase of the project. Consultant is therefore encouraged to provide, wherever and whenever possible, the same field personnel for the duration of construction of the project. On days when work is not performed by the Contractor, such as rainy or unsuitable weather days, the materials testing personnel will not provide services unless authorized by the City.

6.5 – Post Construction Services

Project closeout, punch list items completion, dispute resolution, contract change orders and process final payment.

6.5.1 – Closeout Documents. Consultant Construction Manager will review, prepare and scan project closeout documents (e.g., maintenance, operational, warranty, etc.) as required in the construction documents, and as submitted by the contractor at the completion of the work.

6.5.2 – Project Records. At the conclusion of the project, the Consultant Construction Manager will provide the City with a digital copy of all the project records. The digital records will be in the approved file format/s, file naming convention and directory structure.

6.5.3 – Lessons Learned. Consultant Construction Manager will perform post construction review and prepare lessons learned documents for future projects.

6.5.4 – Claim Resolution. Consultant Construction Manager will perform optional service if needed: claim resolution and detailed schedule analysis.

6.5.5 – Punch List. Consultant Construction Manager will review punch lists items of remaining work.

6.5.6 – Final Inspection. Consultant Construction Manager will coordinate with the City for final inspection.

Budget and Schedule:

Table 1 presents the labor and budget estimates for this project. Consultant shall complete the project based on the following schedule:

- Task 4 – Pre-Construction Services is assumed to begin in April 2026 and last 16 months through August 2027.
- Tasks 5 and 6 – Construction Management Services would begin after GMP acceptance in April 2027 through Final Completion estimated as September 2029.

Assumptions:

The following assumptions were used in developing the Scope of Services:

- Consultant shall perform the services required hereunder in accordance with the prevailing standard of care by exercising the skill and ability ordinarily required of engineers performing the same or similar services, under the same or similar circumstances, in the State of California.
- Consultant is not responsible for damage or delay in performance caused by events beyond the reasonable control of Consultant. In the event Consultant's services are suspended, delayed or interrupted for the convenience of City or delays occur beyond the reasonable control of Consultant, an equitable adjustment in Consultant's time of performance and cost of Consultant's personnel and subcontractors may be made.
- City shall furnish Consultant available studies, reports and other data pertinent to Consultant's services; obtain or authorize Consultant to obtain or provide additional reports and data as required; furnish to Consultant services of others required for the performance of Consultant's services hereunder, and Consultant shall be entitled to use and reasonably rely upon all such information and services provided by City or others in performing Consultant's services hereunder.
- In providing opinions of cost, financial analyses, economic feasibility projections, schedules, and quantity and/or quality estimates for potential projects, Consultant has no control over cost or price of labor and material; unknown or latent conditions of existing equipment or structures that may affect operation and maintenance costs; competitive bidding procedures and market conditions; time or quality of performance of third parties; quality, type, management, or direction of operating personnel; the incoming water quality and/or quantity; the way City's plant(s) and/or associated processes are operated and/or maintained; and other economic and operational factors that may materially affect the ultimate project elements, including, but not limited to, cost or schedule. Therefore, Consultant makes no warranty that City's actual project costs, financial aspects, economic feasibility, schedules, and/or quantities or quality realized will not vary from Consultant's opinions, analyses, projections, or estimates.
- The services to be performed by Consultant are intended solely for the benefit of City. No person or entity not a signatory to the Agreement shall be entitled to rely on Consultant's performance of its services hereunder, and no right to assert a claim against Consultant by assignment of indemnity rights or otherwise shall accrue to a third party as a result of the Agreement or the performance of Consultant's services hereunder.
- It is assumed that design will last 16 months.
- It is assumed the substantial completion of construction will be reached in 1265 calendar days and final completion 90 days after substantial.
- Consultant will review design packages from PDB team. Review will focus on process/mechanical/operations/constructability/instrumentation and automated control.

Consultant will not fully review structural packages or detailed electrical design for code compliance.

- PDB Engineer of Record is responsible for design, and Consultant review is for overall compliance with the RFP.
- Consultant Construction Manager will enforce the contract requirements as they pertain to Labor Compliance, Equal Employment Opportunity, Prevailing Wage, and Disadvantaged Business Enterprise according to Caltrans Local Assistance Procedures and all State and federal regulations.
- Consultant Construction Manager will review any material related to potential claim record procedures with contractor's methodologies, policies, and procedures. Consultant will work with the Resident Engineer to assist as necessary.
- Consultant Construction Manager will prepare for approval file naming convention, file format/s and directory structure for all project files.
- Consultant Construction Manager will review and monitor Contractor's listed items submittals that will be completed prior to any jobsite activities as specified in the Project Specifications.
- Consultant Construction Manager will review and monitor Contractor's submittals for any survey monuments within 100 ft of improvements.
- Consultant Construction Manager will review and investigate pay and benefits from the Contractor, flag discrepancies, and provide resolution documentation for the project files. Spot check that the Contractor and subcontractors are following requirements established by the DIR as outlined the applicable Prevailing Wage Determination and Federal Davis Bacon rules. Documentation of discrepancies will be reported to the City in a timely manner.
- Estimates and Projections. In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for potential projects, Consultant has no control over cost or price of labor and material; unknown or latent conditions of existing equipment or structures that may affect operation and maintenance costs; competitive bidding procedures and market conditions; time or quality of performance of third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, Consultant makes no warranty that the City's actual project costs, financial aspects, economic feasibility, or schedules will not vary from Consultant's opinions, analyses, projections, or estimates.
- Construction Contractor Means, Methods and Safety. Consultant shall not be responsible for the means, methods, techniques, sequences, or procedures of construction selected by construction contractors or the safety precautions and programs incident to the work of construction contractors and will not be responsible for construction contractors' failure to carry out work in accordance with the construction documents
- Third Parties. The services to be performed by Consultant are intended solely for the benefit of City. No person or entity not a signatory to this Agreement shall be entitled to rely on Consultant's performance of its services hereunder, and no right to assert a claim against Consultant by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Agreement or the performance of Consultant's services hereunder.

Table 1 - Carollo Fee Estimate
 City of Manteca WQCF UV and Sidestream Progressive DB OA Pre-Construction and Construction Services

Tasks			Carollo Labor													ODCs							Total					
Task #	Subtask #	Task Description	Principal	Project Manager	Senior Service Delivery Lead	Supervising Professional	Construction Manager	Principal Operations Specialist	Senior Professional	Professional	Senior Analyst	Electrical Inspector	Project Services Administrator	Total Hours	Total Labor Costs	E&IC	Materials Testing	Subtotal	10% Markup	Total	Carollo				Other Direct Costs Total	Total Fee		
																					Beecher	Kleinfelder	PECE	Trips			Travel	Truck
																					Fee	Fee	Fee	Trips			Fee	Fee
4		Owner's Advisor and Design Review During Pre-Construction Services	14	240	254	292	128	72	330	328	116	0	24	1,798	\$ 561,631	\$ 55,000	\$ -	\$ 55,000	\$ 5,500	\$ 60,500	\$ 30,566		\$ -	\$ 850	\$ 660,406			
	4.1	Project Management	2	24	0	0	0	0	0	0	0	0	24	50	\$ 14,438			\$ -	\$ -	\$ -	\$ 850		\$ -	\$ 850	\$ 15,288			
	4.2	Design/Construction Meetings	0	88	64	88	40	16	16	0	16	0	0	328	\$ 113,496			\$ -	\$ -	\$ -	\$ 5,576	14	\$ 6,349	\$ 11,925	\$ 125,421			
	4.3	25% Design and Cost Development Oversight	4	32	20	60	16	16	100	96	40	0	0	384	\$ 113,648	\$ 15,000		\$ 15,000	\$ 1,500	\$ 16,500	\$ 6,528	1	\$ 454	\$ 6,982	\$ 137,130			
	4.4	50% Design and Cost Development Oversight	4	32	20	60	16	16	100	96	20	0	0	364	\$ 108,388	\$ 15,000		\$ 15,000	\$ 1,500	\$ 16,500	\$ 6,188	1	\$ 454	\$ 6,642	\$ 131,530			
	4.5	75% Design and Cost Development Oversight	4	32	20	60	16	16	100	96	20	0	0	364	\$ 108,388	\$ 15,000		\$ 15,000	\$ 1,500	\$ 16,500	\$ 6,188	1	\$ 454	\$ 6,642	\$ 131,530			
	4.6	Guaranteed Maximum Price Evaluation	0	8	60	8	20	8	0	0	12	0	0	116	\$ 39,356			\$ -	\$ -	\$ -	\$ 1,972		\$ -	\$ 1,972	\$ 41,328			
	4.7	Early Procurement	0	16	10	16	0	0	14	40	8	0	0	104	\$ 31,056	\$ 10,000		\$ 10,000	\$ 1,000	\$ 11,000	\$ 1,768		\$ -	\$ 1,768	\$ 43,824			
	4.8	PDB Phase 2 Contract Negotiations	0	8	60	0	20	0	0	0	0	0	0	88	\$ 32,861			\$ -	\$ -	\$ -	\$ 1,496		\$ -	\$ 1,496	\$ 34,357			
5		Owner's Advisor and Design Review During Construction Services	2	24	24	72	20	24	96	72	12	0	0	346	\$ 110,105	\$ 15,000	\$ -	\$ 15,000	\$ 1,500	\$ 16,500	\$ 5,882	0	\$ -	\$ 5,882	\$ 132,487			
	5.1	90% Design and Cost Development Oversight	2	16	16	48	12	16	64	48	8	0	0	230	\$ 73,217	\$ 10,000		\$ 10,000	\$ 1,000	\$ 11,000	\$ 3,910		\$ -	\$ 3,910	\$ 88,127			
	5.2	Final Design and Cost Development Oversight	0	8	8	24	8	8	32	24	4	0	0	116	\$ 36,889	\$ 5,000		\$ 5,000	\$ 500	\$ 5,500	\$ 1,972		\$ -	\$ 1,972	\$ 44,361			
6		Construction Management Oversight	66	396	0	48	4,722	60	56	56	0	432	130	5,966	\$ 2,071,841	\$ -	\$ 80,000	\$ 80,000	\$ 8,000	\$ 88,000	\$ 103,090	75	\$ 113,213	\$ 216,302	\$ 2,411,259			
	6.1	Project Management During Construction	4	48	0	0	0	0	0	0	0	0	48	100	\$ 31,855			\$ -	\$ -	\$ -	\$ 1,775		\$ -	\$ 1,775	\$ 31,855			
	6.2	Preconstruction Services																										
	6.2.1	Labor Compliance	0	4	0	0	24	0	0	0	0	0	0	28	\$ 9,530			\$ -	\$ -	\$ -	\$ 476		\$ -	\$ 476	\$ 10,006			
	6.2.2	Schedule Review	2	20	0	0	14	0	0	0	0	0	0	36	\$ 13,138			\$ -	\$ -	\$ -	\$ 612		\$ -	\$ 612	\$ 13,750			
	6.2.3	Safety Plan	2	8	0	0	12	0	0	0	0	0	2	24	\$ 8,276			\$ -	\$ -	\$ -	\$ 408		\$ -	\$ 408	\$ 8,684			
	6.3	Construction Management Services During Construction																										
	6.3.1	Construction Inspection	0	60	0	0	3,250	60	0	0	0	380	0	3,750	\$ 1,294,057			\$ -	\$ -	\$ -	\$ 66,563	50	\$ 101,875	\$ 70,000	\$ 168,438	\$ 1,462,495		
	6.3.2	Weekly Progress Meetings	30	104	0	0	324	0	0	0	0	16	104	578	\$ 195,883			\$ -	\$ -	\$ -	\$ 10,260	15	\$ 6,803	\$ 17,062	\$ 212,945			
	6.3.3	Monthly Project Updates	0	24	0	0	90	0	0	0	0	0	24	138	\$ 46,591			\$ -	\$ -	\$ -	\$ 2,450		\$ -	\$ 2,450	\$ 49,040			
	6.3.4	Schedule Update Review	16	48	0	0	106	0	0	0	0	0	0	170	\$ 62,979			\$ -	\$ -	\$ -	\$ 3,018		\$ -	\$ 3,018	\$ 65,997			
	6.3.5	Pay Application Review	0	0	0	0	122	0	0	0	0	0	0	122	\$ 42,663			\$ -	\$ -	\$ -	\$ 2,166		\$ -	\$ 2,166	\$ 44,829			
	6.3.6	Submittal Review	0	30	0	32	180	0	40	40	0	0	0	322	\$ 111,214			\$ -	\$ -	\$ -	\$ 5,716		\$ -	\$ 5,716	\$ 116,929			
	6.3.7	RFI Review	0	16	0	16	76	0	16	16	0	0	0	140	\$ 48,799			\$ -	\$ -	\$ -	\$ 2,485	5	\$ 2,268	\$ 4,753	\$ 53,552			
	6.3.8	Change Order Review	6	30	0	0	200	0	0	0	0	0	0	236	\$ 84,515			\$ -	\$ -	\$ -	\$ 4,189		\$ -	\$ 4,189	\$ 88,704			
	6.3.9	Certificate of Compliance	0	0	0	0	24	0	0	0	0	0	0	24	\$ 8,393			\$ -	\$ -	\$ -	\$ 426		\$ -	\$ 426	\$ 8,819			
	6.3.10	SWPPP Review	0	0	0	0	32	0	0	0	0	0	0	32	\$ 11,190			\$ -	\$ -	\$ -	\$ 568		\$ -	\$ 568	\$ 11,758			
	6.3.11	Shutdown/MOP Review	2	8	0	0	40	0	0	0	0	8	0	58	\$ 20,499			\$ -	\$ -	\$ -	\$ 1,030		\$ -	\$ 1,030	\$ 21,528			
	6.4	Quality Assurance and Materials Testing Services																										
	6.4.1	Materials Testing	0	0	0	0	40	0	0	0	0	0	0	40	\$ 13,988		\$ 80,000	\$ 80,000	\$ 8,000	\$ 88,000	\$ 710			\$ 710	\$ 102,698			
	6.5	Post Construction Services																										
	6.5.1	Closeout Documents	0	8	0	0	40	0	0	0	0	8	0	56	\$ 20,661			\$ -	\$ -	\$ -	\$ 1,008	5	\$ 2,268	\$ 3,276	\$ 23,937			
	6.5.2	Project Records	0	8	0	0	40	0	0	0	0	8	0	56	\$ 20,661			\$ -	\$ -	\$ -	\$ 1,008		\$ -	\$ 1,008	\$ 21,669			
	6.5.3	Lessons Learned	0	4	0	0	12	0	0	0	0	0	0	16	\$ 6,103			\$ -	\$ -	\$ -	\$ 288		\$ -	\$ 288	\$ 6,391			
	6.5.4	Claim Resolution	8	12	0	0	32	0	0	0	0	4	0	56	\$ 21,532			\$ -	\$ -	\$ -	\$ 1,008		\$ -	\$ 1,008	\$ 22,540			
	6.5.5	Punch List	0	8	0	0	40	0	0	0	0	0	0	48	\$ 18,077			\$ -	\$ -	\$ -	\$ 864		\$ -	\$ 864	\$ 18,941			
	6.5.6	Final Inspection	0	4	0	0	24	0	0	0	0	8	0	36	\$ 13,090			\$ -	\$ -	\$ -	\$ 648	1	\$ 454	\$ 1,102	\$ 14,192			
		Total	82	660	278	412	4,870	156	482	456	128	432	154	8,110	\$ 2,743,576	\$ 70,000	\$ 80,000	\$ 150,000	\$ 15,000	\$ 165,000	\$ 139,538	75	\$ 113,213	\$ 223,034	\$ 3,204,152			