

October 1, 2024

Castulo Estrada
Utilities Manager
City of Coachella
87075 Avenue 54
Coachella, California 92236

Subject: Contract Amendment for Coachella Sanitary District Headworks Screening Improvement Project

Dear Mr. Estrada,

Dudek and the City entered into a professional services agreement for the Headworks Screening Improvement project on May 5, 2024 for a total contract value of \$144,825. The initial contract covered the design of headworks screening improvements including the addition of a new screening device, screening conveyance device, dewatering device and associated combined control panel. Our team has already completed the 50% design submittal of the project and is in the process of completing the 100% design submittal for the project. During the progressing of the design to 100%, it was determined that the area pre-selected for the installation of the combined control panel is a Class 1 Div 2 classification as per NFPA-820. This classification requires NEMA 7 control panel enclosures, the NEMA 7 control panel in this location will experience temperatures that exceed the safe working temperatures of the PLC components inside of the enclosures. We propose that the conflict can be abated by relocating the proposed location for the control panel into the existing MCC building. In addition to the relocation of the Control Panel, changes must be made to the design documents that were not captured in the original scope of work, including the starters for the screens, conveyor, and washer/compactor being in the MCC, not in the vendor control panel. This required two additional schematic drawings and an additional design time spent on the conduit block diagram and P&IDs.

Scope of Work

The following scope of work is proposed to assist the City with the relocation of the Control Panel to the MCC building and to progress a pre-purchase of major equipment agreement between the City and Misco.

Task 1: Project Management and Project Status Reporting

- Preparation of monthly invoices and progress reports
- Monthly budget and schedule tracking
- Regular communication between Dudek project manager, City, and project team
- Facilitate quality control reviews of deliverables
- Meetings:
 - Provide slide deck for the City Council meeting in late October, due to client 10/16

Task 2: Design Documents Updates

- Revise design drawings to place control panel in the MCC building and provide remote control stations in the field located at each piece of equipment.
- Coordination with equipment vendors
- Update specifications
- Updated 100% EOPCC
- Updated design drawings to include vendor-provided drawings, when available

Fee Estimate

A time and materials not to exceed fee of \$53,050 is estimated for this work in accordance with the fee estimate Table 1 below.

Table 1. Fee Estimate

		Project Team Role:	QA/QC	Project Manager	Project Engineer	Electrical Engineer	CAD Designer	Admin	TOTAL DUDEK HOURS	DUDEK LABOR COSTS		TOTAL FEE
		Team Member:	Metts	Hawkinson	Goldschmidt	Schneider	Dhanens	Kinney				
		Billable Rate :	\$310	\$255	\$200	\$280	\$195	\$155				
Task 1	Project Management and Project Status Reporting											
1.1	Project Administration			6				6	12	\$ 2,460	\$ 2,460	
1.2	Pre-Purchasing Support	2		6	12		6		26	\$ 6,230	\$ 6,230	
	Subtotal Task 1			6				6	12	\$ 2,460	\$ 8,690	
Task 2	100% Design Documents Updates											
2.1	Updated 100% Drawings, Specifications, and EOPCC	2		12	30		96	40	180	\$ 44,360	\$ 44,360	
	Subtotal Task 2	2		12	30		96	40	180	\$ 44,360	\$ 44,360	
Total Non-Optional Hours and Fee		2		18	30		96	40	6	\$ 46,820	\$ 53,050	

Schedule

Dudek estimates the following updated schedule to complete the Contract Amendment work and produce an updated final design submittal.

ID	Task Name	Duration	Start	Finish	Qtr 3, 2024	Qtr 4, 2024	Qtr 1, 2025	Qtr 2, 2025	Qtr 3, 2025	Qtr 4, 2025	Qtr 1, 2026												
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
1	Task 1 Project Management and Meetings	168 days	Thu 3/14/24	Mon 11/4/24	[Gantt bar]																		
6	Task 2 Data Request and Review	14 days	Thu 3/14/24	Tue 4/2/24	[Gantt bar]																		
10	Plans and Specifications	253 days	Wed 4/3/24	Fri 3/21/25	[Gantt bar]																		
11	50% Submittal	37 days	Wed 4/3/24	Thu 5/23/24	[Gantt bar]																		
14	100% Submittal	83 days	Thu 7/11/24	Mon 11/4/24	[Gantt bar]																		
15	Drawings, Specs, Cost Estimate, Calculations, Schedule	81 days	Thu 7/11/24	Thu 10/31/24	[Gantt bar]																		
16	100% Submittal Review Meeting	0 days	Mon 11/4/24	Mon 11/4/24	[Gantt bar]																		
17	Final Submittal	17 days	Thu 2/27/25	Fri 3/21/25	[Gantt bar]																		
18	Final Design Submittal	10 days	Thu 2/27/25	Wed 3/12/25	[Gantt bar]																		
19	Final Design Review Meeting	0 days	Fri 3/14/25	Fri 3/14/25	[Gantt bar]																		
20	Incorporate Final Comments	5 days	Mon 3/17/25	Fri 3/21/25	[Gantt bar]																		
21	Pre-Purchasing Support	316 days	Wed 10/16/24	Wed 12/31/25	[Gantt bar]																		
22	Submit pre-purchasing slide deck to council	0 days	Wed 10/16/24	Wed 10/16/24	[Gantt bar]																		
23	Council meeting	1 day	Wed 10/23/24	Wed 10/23/24	[Gantt bar]																		
24	PO to Misco	5 days	Thu 10/24/24	Wed 10/30/24	[Gantt bar]																		
25	Misco Submittal	40 days	Thu 10/31/24	Wed 12/25/24	[Gantt bar]																		
26	Submittal 1	10 days	Thu 12/26/24	Wed 1/8/25	[Gantt bar]																		
27	Misco Re-Submittal	35 days	Thu 1/9/25	Wed 2/26/25	[Gantt bar]																		
28	Submittal 2	10 days	Thu 2/27/25	Wed 3/12/25	[Gantt bar]																		
29	Delivry of Pre-Purchased Equipment	210 days	Thu 3/13/25	Wed 12/31/25	[Gantt bar]																		
30	Bid Phase	232 days	Mon 3/24/25	Tue 2/10/26	[Gantt bar]																		
31	Bidding Document Submittal	5 days	Mon 3/24/25	Fri 3/28/25	[Gantt bar]																		
32	Bidding	25 days	Mon 3/31/25	Fri 5/2/25	[Gantt bar]																		
33	Bid Opening	0 days	Fri 5/2/25	Fri 5/2/25	[Gantt bar]																		
34	Submit paperwork to council	0 days	Wed 5/7/25	Wed 5/7/25	[Gantt bar]																		
35	Council Meeting	0 days	Wed 5/14/25	Wed 5/14/25	[Gantt bar]																		
36	NTP approval process	15 days	Wed 5/14/25	Tue 6/3/25	[Gantt bar]																		
37	Pre-Con Meeting, NTP	0 days	Wed 6/4/25	Wed 6/4/25	[Gantt bar]																		
38	Construction	180 days	Wed 6/4/25	Tue 2/10/26	[Gantt bar]																		



Coachella Sanitary District
Headworks Screening Project
10/01/24

Thank you for your consideration of this budget amendment request. We are here to discuss any questions or concerns you may have so please do not hesitate to contact me at (510) 636-5640 or shawkinson@dudek.com.

Sincerely,

Sam Hawkinson, P.E.
Project Manager
Dudek