

CONTINGENCY INCREASE FOR CONTRACT NO. C02105 – LAGUNA TREATMENT PLANT CHILLERS AND CLIMATE CONTROL UPGRADES AT ADMINISTRATION AND ANNEX BUILDING

Board of Public Utilities Meeting

November 17, 2022

Tracy Duenas, Supervising Engineer

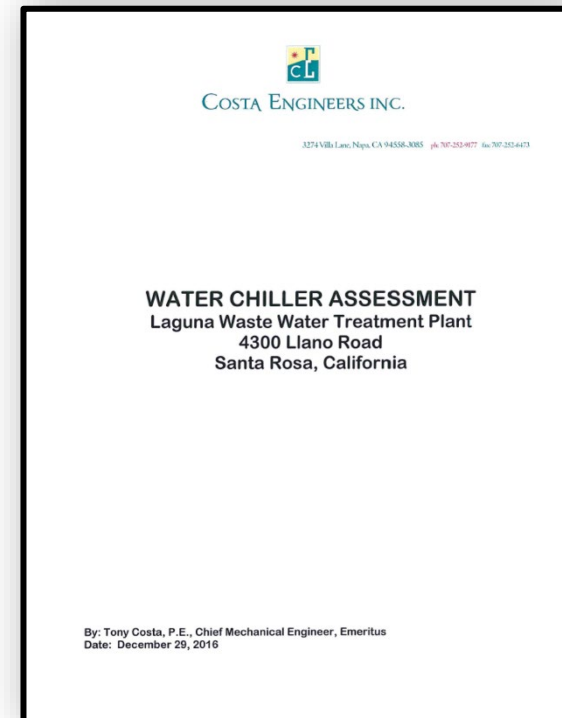


Presentation Outline

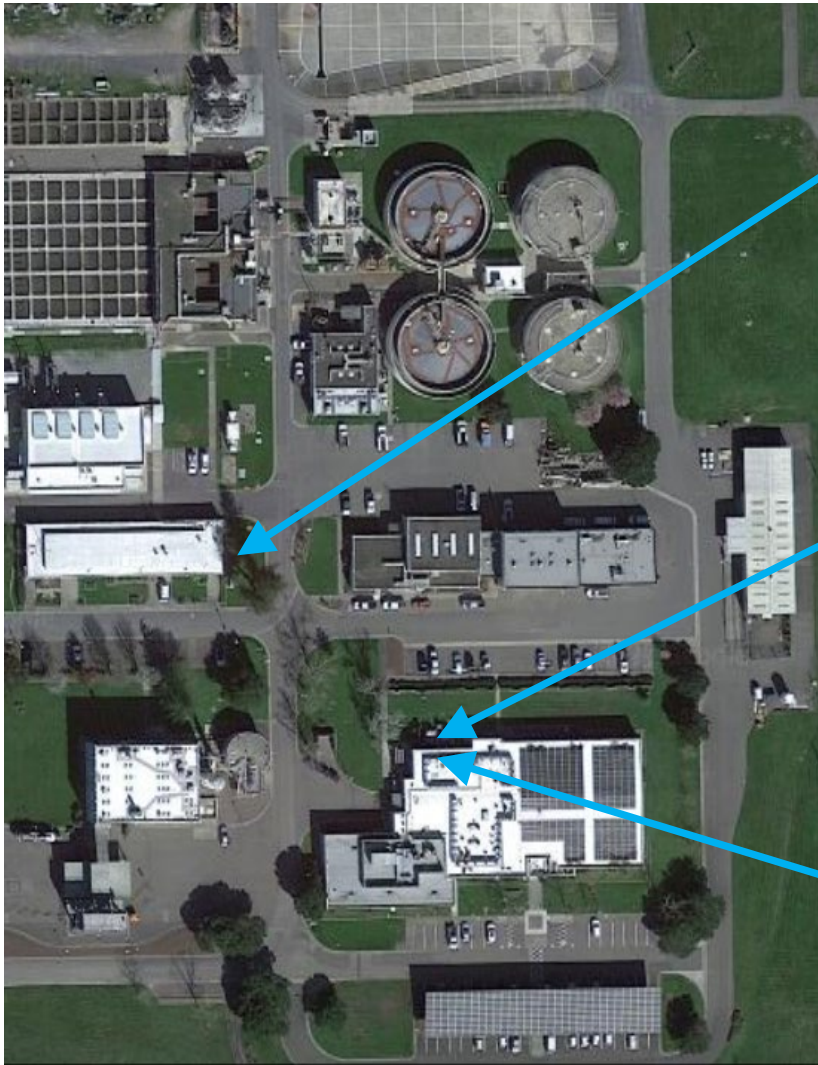
- Project Background
- Analysis
- Recommendation

Project Background

- Dec 2016 - Costa Engineers
 - Water Chiller Assessment of Laguna Treatment Plant Administration and Annex buildings
 - Determined chillers had reached end of service life and needed to be replaced
 - Assessment is basis of design



Project Background



**(1) 15-ton Chiller
@ Annex Bldg.**



**(2) 50-ton Chillers
@ Admin Bldg.**



**(2) Boilers & PLC
@ Admin Bldg.**



Project Background

- Aug 2019 – Sole source specification
- Oct 2019 – Contract award to Matrix HG, Inc
 - \$873,216 contract amount
 - 15% contingency: \$130,982
- Nov 2019 – Notice to proceed
- July 2020 – Subcontractor addition

Project Background

- Mar 2020 – Oct 2020 – Construction
 - 6 Contract Change Orders (CCOs) executed
 - \$77,211 spent
 - \$53,771 remained

CCO Number	Description of Work	Authorized balance	CCO value	Available balance
CCO1	Force majeure	\$ 130,982.40	0.00	\$ 130,982.40
CCO2	Force majeure	\$ 130,982.40	0.00	\$ 130,982.40
CCO3	Force majeure	\$ 130,982.40	0.00	\$ 130,982.40
CCO4.1	Anchorage support	\$ 130,982.40	\$ 567.66	\$ 130,414.74
CCO4.2	Anchorage support	\$ 130,414.74	\$ 3,827.64	\$ 126,587.10
CCO4.3	Pump base mounts	\$ 126,587.10	\$ 2,931.18	\$ 123,655.92
CCO4.4	Roof penetrations and flue discharges	\$ 123,655.92	\$ 14,018.35	\$ 109,637.57
CCO5.1	Pipe supports and run anchorages	\$ 109,637.57	\$ 9,804.98	\$ 99,832.59
CCO5.2	Alt equipment arrangement	\$ 99,832.59	\$ 23,247.39	\$ 76,585.20
CCO5.3	Modify support channels	\$ 76,585.20	\$ 5,147.35	\$ 71,437.85
CCO6.1	Air separator bypass pipe & valve	\$ 71,437.85	\$ 6,099.95	\$ 65,337.90
CCO6.2	Expansion tank drains	\$ 65,337.90	\$ 4,767.03	\$ 60,570.87
CCO6.3	Pressure regulating valves/gauge	\$ 60,570.87	\$ 6,799.76	\$ 53,771.11

Project Background

- Mar 2021 – Contingency increase
 - 15% contingency: \$130,982
 - CCO 7 executed – additional PLC scope
- Mar 2021 – Oct 2021 – Construction
 - 6 CCO's executed
 - \$166,048 spent
 - \$18,705 remaining



CCO Number	Description of Work	Authorized balance	CCO value	Available balance
CCO7	Additional PLC scope	\$ 184,753.51	\$ 86,520.31	\$ 98,233.20
CCO8	Modify pump piping	\$ 98,233.20	\$ 3,073.72	\$ 95,159.48
CCO9.1	Gas regulator	\$ 95,159.48	\$ 1,699.80	\$ 93,459.68
CCO9.2	Additional warranty inspection	\$ 93,459.68	\$ 4,327.45	\$ 89,132.23
CCO9.3	Warranty extension	\$ 89,132.23	\$ 16,284.58	\$ 72,847.65
CCO10.1	Combine Node 1/10 panels	\$ 72,847.65	\$28,060.51	\$ 44,787.14
CCO10.2	Temporary chiller rentals	\$ 44,787.14	\$12,731.91	\$ 32,055.23
CCO10.3	New water tank	\$ 32,055.23	\$13,349.59	\$ 18,705.64

Analysis

- Present -
 - CCO 11 pending - additional PLC scope
 - \$18,705 remaining
 - \$34,691 needed

CCO Number	Description of Work	Authorized balance	CCO value	Available balance
CCO11.1	Upgrade PLC model type @ Admin Bldg	\$ 18,705.64	\$ 5,250.00	\$ 13,455.64
CCO11.2	Additional 3-way valve piping @ Admin Bldg	\$ 13,455.64	\$ 8,186.30	\$ 5,269.34
CCO11.3	Additional PLC scope	\$ 5,269.34	\$ 21,254.87	\$ (15,985.53)



Administrative CCO required

Analysis

- Council Policy 100-07 – Definitions (G)

G. Administrative Change Order. A change order to a Public Works Contract which does not change the scope of work or intent of the contract as awarded by the original award authority. Administrative change orders may include "extra work" required for the proper completion or construction of the whole work contemplated and "increases or decreases" in the quantity of a contract item or work.

Analysis

- Council Policy 100-07 – Policies (D)

D. If an administrative change order exceeds the funds available within the authorized contract amount, it shall be returned to the original contract award authority for approval. If this change order is also a field change order, it may be approved by the City Manager and submitted to the original award authority for ratification.

Recommendation

It is recommended by the Transportation and Public Works Department and the Water Department that the Board of Public Utilities, by motion, pursuant to Council Policy No. 100-07 approve an administrative change order, and approve a 5% contingency increase of \$43,660.80 for Contract No. C02105 – Laguna Treatment Plant Chillers and Climate Control Upgrades at Administration and Annex Building, for a total amount of \$1,178,841.60.

Questions?

