



Los Angeles
Department of
Water & Power

RESOLUTION NO. _____

BOARD LETTER APPROVAL

ANSELMO G. COLLINS
Senior Assistant General Manager
Water System

Aram Benyamin (Aug 22, 2024 16:50 PDT)

ARAM BENYAMIN
Chief Operating Officer

JANISSE QUIÑONES
Chief Executive Officer and Chief Engineer

DATE: August 20, 2024

SUBJECT: Authorization to Reallocate Funds in Agreement No. 47071 with Webcor|Obayashi|Lyles, a Joint Venture, for the Silver Lake Reservoir Complex Storage Replacement Project/Headworks Reservoir Project

SUMMARY

LADWP requests approval to reallocate funds in Agreement No. 47071 (Agreement) with Webcor|Obayashi|Lyles (WOL), a Joint Venture. The reallocation of \$10 million from the Project's Headworks Reservoir Restoration (Phase 4) to the Flow Control Station (Phase 3) will be utilized to compensate WOL for replacement of existing equipment necessary to operate the Headworks Flow Control Station, placing the River Supply Conduit (RSC) Upper Reach in-service, and to cover other change orders and unforeseen changes needed to complete Phase 3.

The Silver Lake Reservoir Complex Storage Replacement Project/Headworks Reservoir Project (Project) replaces water storage from the Silver Lake and Ivanhoe Reservoirs which were taken out of service to comply with the Long Term 2 Enhanced Surface Water Treatment Rule, enacted by the United States Environmental Protection Agency (EPA) to improve drinking water quality.

When Phase 3 is complete, the Flow Control Station will be operational and will improve the reliability of the Water System by ensuring the upstream North Hollywood Pump Station Forebay does not overflow and allowing the RSC Upper Reach trunk line to be

placed in-service. The Flow Control Station and trunk line will serve as the new conduit for influent water for Headworks East and West Reservoirs.

City Council approval is not required.

RECOMMENDATION

It is recommended that the Board of Water and Power Commissioners (Board) adopt the attached Resolution authorizing the reallocation of \$10 million from Phase 4 to Phase 3 for construction services.

ALTERNATIVES CONSIDERED

The alternative to this Board Action is to issue a new contract or completing the work with LADWP forces. Due to the nature of the Construction Manager at Risk (CMAR) model used on this Agreement, work is competitively bid. Issuing a new contract would lead to increased costs due to a significant delays and escalation costs. Furthermore, issuing a new contract will not allow LADWP to properly commission Phase 3 and trunk line, creating challenges in addressing issues that may be the responsibility of the contractor. Utilizing forces is not practical as there are no uncommitted construction resources. Both alternatives are not acceptable and are not in LADWP's best interest.

FINANCIAL INFORMATION

The Board authorized LADWP to spend up to \$388 million (budgeted) on a task assignment basis, contingent upon availability of funds, for the construction of the four Project phases. The not to exceed total authorized expenditure for Phase 3 will increase from \$75 million to \$85 million. The Board Action will not increase the Agreement total, which will remain \$388 million and will not extend the Agreement duration. The contract expiration date will remain December 31, 2025.

BACKGROUND

In January 2006, the EPA promulgated the Long Term 2 Enhanced Surface Water Treatment Rule and the Stage 2 Disinfectants and Disinfection Byproducts Rule. To comply with the new regulations, reservoirs must either be covered, have their water treated prior to use, or be bypassed. It was determined that covering or treating water from Silver Lake and Ivanhoe Reservoirs was impractical and the reservoirs would need to be removed from service. The Project replaces the functionality of the reservoirs.

The Project consists of four phases: Headworks Reservoir East (Phase 1), Headwork Reservoir West (Phase 2), Phase 3, and Phase 4. Phases 1 and 2 are complete. The reservoirs provide a combined 110 million gallons of potable water storage capacity. Phase 3 is approximately 80 percent complete. LADWP received the Notice of Compliance for the Phase 4 design services on April 29, 2024, and is preparing to release the Request for Proposal for the design of the restoration.

On December 6, 2011, the Board approved the CMAR Agreement with the Contractor for preconstruction and construction services on a task assignment basis in the amount of \$230 million and established that the release of funding to construct the Project would require Board approval. The Board authorized LADWP on October 17, 2016, to increase the contract budget by \$123 million to \$353 million. The additional funding was required due to variations in the initial estimate, design changes, increased reservoir size, and the extended timeline for the implementation of construction. On November 6, 2018, the Board authorized the extension of the contract end date from December 31, 2018 to December 31, 2021. Additional time was needed to implement lessons learned during Phase 1. On March 23, 2021, the Board authorized the increase of the budget by \$35 million from \$353 million to \$388 million. The original cost estimate of Phase 3 was based on preliminary concepts and the revised cost estimate was based on the completed design. On October 26, 2021, the Board authorized the extension of the contract to December 31, 2025, to provide time to complete the Project.

The reallocation of funds is required to complete Phase 3. The additional funding will be used to upgrade and replace equipment that will provide the signals necessary to operate the Flow Control Station and support the disinfection of RSC Upper Reach. RSC Upper Reach is a 29,000-linear-foot, 78-inch diameter trunk line which was installed under two separate contracts and is necessary to meet a Division of Drinking Water requirement which requires pipelines to maintain a minimum internal pressure. Disinfection support of RSC Upper Reach is necessary to supply water to test, commission, and place the Flow Control Station in service. The additional funds will also be used for other change orders and unforeseen changes needed to ensure the Flow Control Station is operational.

The Project has received \$418,195,032 in California's Safe Drinking Water State Revolving Funds (DWSRF). DWSRF financing has supported the design and construction of Phases 1, 2, and 3 of the Project. The DWSRF award amount exceeds the amount budgeted for the Agreement due to costs including, but not limited to, internal labor, materials, permits, and professional services.

Since the Agreement's execution, the Contractor has performed satisfactorily.

ENVIRONMENTAL DETERMINATION

Determine item is exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15060(c)(3). In accordance with this section, an activity is not subject to CEQA if it does not meet the definition of a project. Section 15378(b)(2) states that continuing administrative or maintenance activities, such as board actions for existing contracts, do not meet that definition. Therefore, the board action of a contract to reallocate of funds from Phase 4 of the project to Phase 3 to compensate a contractor, is not subject to CEQA.

In addition, determine item is in compliance with CEQA Guidelines Sections

15080-15097 (Environmental Impact Report previously adopted). In accordance with CEQA, an EIR was prepared to analyze the impacts associated with the construction and operation of the Silver Lake Reservoir Complex Replacement Project. On May 16, 2006, the Board certified the EIR; adopted the Mitigation Monitoring and Reporting Program, Findings of Fact, and Statement of Overriding Considerations; and approved the project. Two subsequent addendums to the EIR were also prepared and considered in 2013 and 2017, respectively.

CITY ATTORNEY

The Office of the City Attorney reviewed and approved the Resolution as to form and legality.

ATTACHMENTS

- Procurement Summary
- Resolution

PROCUREMENT SUMMARY

1.	Recommended Vendor(s): Webcor Obayashi Lyles, a Joint Venture (WOL)
2.	Procurement Type: Board Action
3.	Procurement Details: A. Contract Status: Board Action B. Bid Advertisement Date: NA C. Pre-Bid Conference Date: NA D. Bid/Proposal Due Date: NA E. Number of Downloads of Solicitation: NA F. Number of Bids/Proposals Received: NA G. Protest Received: NA
4.	Buyer Assigned: Andrew Castro
5.	Contract Administrator: Ofelia Rubio
6.	LADWP System/Division: Water/Water Engineering & Technical Services
7.	Contact Person for Item: Paul E. Liu

A. Evaluation Rating Summary of Proposals

Not applicable to the Board Action

B. Evaluation of Board Action

Contract Administrator compiled a list of proposed change orders needed to complete Phase 3 and the total adds up to the reallocation amount being requested.

C. Procurement History

Service/Item History and Vendor Experience – Number of Times Item or Service has been Procured and Number of Contracts Vendor had with LADWP During the Past 10 Years					
Contract/ PO No.	Contract Description	Term of Contract	Start Date	End Date	Contract Amount
47071-2	Silver Lake Reservoir Complex Storage Replacement Project/Headworks Reservoir Project	14 years	12/06/11	12/31/25	\$388,000,000

D. Local Business Preference Program (LBPP)

Not applicable to the Board Action

E. Additional Outreach Efforts Taken

Not applicable to the Board Action

F. Small Business Enterprises (SBE)/Disabled Veterans Business Enterprises (DVBE)/Minority Business Enterprises (MBE)/Women Business Enterprises (WBE)/Other Business Enterprises (OBE) Subcontracting Participation

This contract is funded by the Drinking Water State Revolving Fund (DWSRF), subjecting the procurement to DWSRF regulations. The state funding mandated a Good Faith Effort (GFE) outreach to be included in the procurement which precluded the use of the Department's SBE/DVBE participation program. The steps required to demonstrate a GFE outreach were successfully fulfilled. The actual subcontractor participation commitments and achievements are provided below:

SBE SUBCONTRACTING

Phase	SBE Subcontractor	Description	ORIGINAL CONTRACT		CONTRACT EXPENDITURE THRU 7/29/2024		AMENDED CONTRACT Phase 1 to Phase 3	
			\$353,000,000.00		\$356,636,234.56		\$363,666,103.74	
			Commitment Amount	Percent of Contract	Actual Amount	Percent of Contract	Commitment Amount	Percent of Contract
Phase 3	Nash Fabricator (Sub to Blois)	Mechanical Pad Platforms	\$ -	0.000%	\$89,141.76	0.025%	\$89,141.76	0.025%
Phase 3	WETO Construction Service Inc. (Sub to Land Design)	Pump Rental	\$ -	0.000%	\$61,050.00	0.017%	\$65,800.00	0.018%
Phase 3	Pacific Crane & Hoist	Crane	\$ -	0.000%	\$326,400.00	0.092%	\$327,914.00	0.090%
Phase 2	Olson Engineering (Sub to WOL)	Non Destructive Test	\$30,113.13	0.009%	\$30,113.13	0.008%	\$30,113.13	0.008%
Phase 2	Matt Chlor (Sub to Blois)	Chlorination Testing	\$9,740.00	0.003%	\$9,740.00	0.003%	\$9,740.00	0.003%
Phase 2	Nash Fabricators (Sub to Blois)	Subdrain	\$207,335.00	0.059%	\$266,340.00	0.075%	\$266,340.00	0.073%
Phase 2	Century Sweeping (Sub to EFI)	Street Sweeping	\$180,020.00	0.051%	\$180,020.00	0.050%	\$180,020.00	0.050%
Phase 2	AAA Water Trucks (Sub to EFI)	Dust Control	\$74,775.00	0.021%	\$74,775.00	0.021%	\$74,775.00	0.021%
Phase 2	Bielski Specialty Services (Sub to Shimmick)	Joint Seal	\$308,150.00	0.087%	\$299,523.03	0.084%	\$299,523.03	0.082%
Phase 2	Connor Concrete Cutting and Coring (Sub to Shimmick)	Concrete Cutting and Coring	\$244,027.00	0.069%	\$244,027.00	0.068%	\$244,027.00	0.067%
Phase 2	Miller Blades (Sub to Shimmick)	Operated Blades	\$47,298.98	0.013%	\$47,298.98	0.013%	\$47,298.98	0.013%
Phase 2	Kern Steel Fabrication (Sub to Shimmick)	Structural Steel	\$735,969.37	0.208%	\$735,969.37	0.206%	\$735,969.37	0.202%
Phase 2	Addison Equipment Rentals (Sub to Shimmick)	Blade Rental	\$10,700.00	0.003%	\$10,700.00	0.003%	\$10,700.00	0.003%
Phase 2	WETO Construction Services (Sub to Land Design)	Pump Rental	\$88,270.25	0.025%	\$86,160.50	0.024%	\$86,160.50	0.024%
Phase 2	Zefiro Corporation (Sub to Sharma)	Operated Rig	\$28,702.67	0.008%	\$28,702.67	0.008%	\$28,702.67	0.008%
Phase 1	ABC Liovin Drilling, Inc.	Drilling	\$124,435.00	0.035%	\$124,435.00	0.035%	\$124,435.00	0.034%
Phase 1	Allied Steel Company	Structural Steel	\$1,599,433.30	0.453%	\$1,310,434.24	0.367%	\$1,310,434.24	0.360%
Phase 1	Alterra, Inc	CIDH Piling	\$125,875.00	0.036%	\$141,501.00	0.040%	\$141,501.00	0.039%
Phase 1	Amber Steel	Rebar	\$110,890.00	0.031%	\$115,539.00	0.032%	\$115,539.00	0.032%
Phase 1	Angelus Waterproofing	Epoxy	\$992,328.96	0.281%	\$1,066,161.93	0.299%	\$1,066,161.93	0.293%
Phase 1	Marne Construction	Concrete	\$729,734.80	0.207%	\$820,422.68	0.230%	\$820,422.68	0.226%
Phase 1	Innovative Construction Solutions	Earthwork	\$4,010,289.70	1.136%	\$3,933,997.16	1.103%	\$3,933,997.16	1.082%
Phase 1	Mike Zarp, Inc	Excavation	\$371,622.59	0.105%	\$371,622.59	0.104%	\$371,622.59	0.102%
Phase 1	Robert B. Longway, Inc.	Concrete	\$304,127.00	0.086%	\$304,127.00	0.085%	\$304,127.00	0.084%
TOTAL:			\$10,333,837.75	3%	\$10,678,202.04	3%	\$10,684,466.04	3%

MBE SUBCONTRACTING

Phase	MBE Subcontractor	Description	ORIGINAL CONTRACT		CONTRACT EXPENDITURE THRU 7/29/2024		AMENDED CONTRACT Phase 1 to Phase 3	
			\$353,000,000.00		\$356,636,234.56		\$363,666,103.74	
			Commitment Amount	Percent of Contract	Actual Amount	Percent of Contract	Commitment Amount	Percent of Contract
Phase 3	Martinez Steel (Sub to SWI)	Rebar	\$ -	0.000%	\$818,366.36	0.229%	\$861,438.28	0.237%
Phase 3	Rouch Rebar (Sub to SWI)	Rebar	\$ -	0.000%	\$218,065.95	0.061%	\$243,158.00	0.067%
Phase 3	Sharma Gen-Eng Contractors, Inc. (Sub to SWI)	Earthwork	\$ -	0.000%	\$2,415,989.84	0.677%	\$2,415,989.84	0.664%
Phase 3	Vertical Horizon Scaffolds, Inc. (Sub to SWI)	Falsework	\$ -	0.000%	\$259,000.40	0.073%	\$267,491.00	0.074%
Phase 3	CL Survey & Mapping (Sub to SWI)	Survey Services	\$ -	0.000%	\$26,900.00	0.008%	\$35,300.00	0.010%
Phase 3	CWE Corporation (Sub to SWI)	SWPPP Services	\$ -	0.000%	\$4,930.00	0.001%	\$4,930.00	0.001%
Phase 3	Alameda Construction Services (Sub to SWI)	Finishing Services	\$ -	0.000%	\$43,010.26	0.012%	\$45,838.00	0.013%
Phase 3	Kumar Industries (Sub to UMC)	Unistrut Brackets	\$ -	0.000%	\$8,498.66	0.002%	\$8,498.66	0.002%
Phase 3	Troyer	Troyer	\$ -	0.000%	\$37,922.02	0.011%	\$37,922.02	0.010%
Phase 3	Sharma	Grading	\$ -	0.000%	\$2,447,823.60	0.686%	\$2,502,511.60	0.688%
Phase 2	G&C (Sub to WOL)	Trailer Rentals	\$115,557.70	0.033%	\$104,040.24	0.029%	\$116,046.87	0.032%
Phase 2	Apple Services (Vendor to WOL)	Employment Services	\$950.37	0.000%	\$950.37	0.000%	\$950.37	0.000%
Phase 2	Precision (Sub to WOL)	Survey Services	\$48,152.00	0.014%	\$48,152.00	0.014%	\$48,152.00	0.013%
Phase 2	Troyer (Sub to WOL)	Geomembrane	\$2,612,481.44	0.740%	\$2,612,481.44	0.733%	\$2,612,481.44	0.718%
Phase 2	Sharma Gen-Eng Contractors, Inc. (Sub to WOL)	Earthwork	\$13,433,035.84	3.805%	\$13,433,035.84	3.767%	\$13,433,035.84	3.694%
Phase 2	Land Design (Sub to WOL)	SWPPP	\$152,552.24	0.043%	\$152,552.24	0.043%	\$152,552.24	0.042%
Phase 2	CMS Consulting (Sub to WOL)	Schedule	\$51,127.50	0.014%	\$51,127.50	0.014%	\$51,127.50	0.014%
Phase 2	EC Applications (Sub to Blois)	Procure / Install GCL	\$164,913.00	0.047%	\$157,673.00	0.044%	\$157,673.00	0.043%
Phase 2	Land Design (Sub to EFI)	Construction Entrance & Rain Gauge	\$34,100.00	0.010%	\$37,850.00	0.011%	\$37,850.00	0.010%
Phase 2	Vertical Horizon (Sub to Shimmick)	Shoring	\$5,399,883.91	1.530%	\$5,326,824.99	1.494%	\$5,399,883.91	1.485%
Phase 2	WETO Construction Services (Sub to CSI)	Supplier	\$100,000.00	0.028%	\$36,727.11	0.010%	\$36,727.11	0.010%
Phase 2	Kumar Industries, Inc. (Sub to UM)	Supplier	\$1,662.74	0.000%	\$1,662.74	0.000%	\$1,662.74	0.000%
Phase 1	Alameda Construction	labor Services	\$1,003,901.23	0.284%	\$1,002,515.93	0.281%	\$1,002,515.93	0.276%
Phase 1	Andersen Environmental	SWPPP	\$1,373,286.27	0.389%	\$1,342,121.96	0.376%	\$1,342,121.96	0.369%
Phase 1	City Security Company	Security Service	\$162,114.50	0.046%	\$162,075.50	0.045%	\$162,075.50	0.045%
Phase 1	CMS Consulting	Schedule	\$167,577.60	0.047%	\$168,477.60	0.047%	\$168,477.60	0.046%
Phase 1	CT Metal Source	Steel Supplier	\$26,000.00	0.007%	\$25,576.00	0.007%	\$25,576.00	0.007%
Phase 1	Eco Steel	Steel Supplier	\$3,105.00	0.001%	\$3,105.00	0.001%	\$3,105.00	0.001%
Phase 1	G&C Equipment	Concrete	\$1,865,381.77	0.528%	\$1,144,863.13	0.321%	\$1,144,863.13	0.315%

Phase 1	GDM	Equipment Rental	\$295,000.00	0.084%	\$285,835.00	0.080%	\$285,835.00	0.079%
Phase 1	Guzman Grading	Paving	\$23,235.00	0.007%	\$23,235.00	0.007%	\$23,235.00	0.006%
Phase 1	Jenny Engineering Corporation	Consultant	\$10,850.00	0.003%	\$10,850.00	0.003%	\$10,850.00	0.003%
Phase 1	Kal Krishnan Consulting	QC	\$147,580.00	0.042%	\$147,555.00	0.041%	\$147,555.00	0.041%
Phase 1	King Equipment	Equipment Rental	\$5,000.00	0.001%	\$3,088.00	0.001%	\$3,088.00	0.001%
Phase 1	L.A.C. Motor Enterprises	Trucking	\$381,112.50	0.108%	\$377,916.50	0.106%	\$377,916.50	0.104%
Phase 1	Martinez Steel	Furnish Install	\$464,971.76	0.132%	\$464,971.76	0.130%	\$464,971.76	0.128%
Phase 1	Ninyo & Moore	Engineering	\$3,098.00	0.001%	\$3,098.00	0.001%	\$3,098.00	0.001%
Phase 1	Pinnacle Petroleum	Fuel & Lubricants	\$680,242.92	0.193%	\$655,174.92	0.184%	\$655,174.92	0.180%
Phase 1	Precision Engineering Surveyors	Surveying	\$228,882.24	0.065%	\$228,882.24	0.064%	\$228,882.24	0.063%
Phase 1	PVF Sales	Material Supplier	\$249,982.28	0.071%	\$249,982.28	0.070%	\$249,982.28	0.069%
Phase 1	S&S Portable Services	Portable Restrooms	\$183,404.11	0.052%	\$259,955.78	0.073%	\$259,955.78	0.071%
Phase 1	Simon Wong Engineering	Engineering	\$960.00	0.000%	\$960.00	0.000%	\$960.00	0.000%
Phase 1	Strategic Solutions Group	Schedule	\$129,287.40	0.037%	\$129,287.40	0.036%	\$129,287.40	0.036%
Phase 1	Traffic Management	Traffic Management	\$4,000.00	0.001%	\$3,639.00	0.001%	\$3,639.00	0.001%
Phase 1	Troyer Contracting Company	Waterproofing	\$1,739,260.52	0.493%	\$1,719,836.57	0.482%	\$1,719,836.57	0.473%
Phase 1	United Pumping	Vacuum & Pumping	\$120,000.00	0.034%	\$119,469.00	0.033%	\$119,469.00	0.033%
Phase 1	Upright Shoring & Scaffold	Shoring systems	\$2,400,000.00	0.680%	\$2,186,979.03	0.613%	\$2,186,979.03	0.601%
Phase 1	Warrior Services	FUEL	\$29,287.49	0.008%	\$29,287.49	0.008%	\$29,287.49	0.008%
TOTAL:			\$33,811,937.33	10%	\$38,992,322.65	11%	\$39,219,958.51	11%

WBE SUBCONTRACTING

Phase	WBE Subcontractor	Description	ORIGINAL CONTRACT		CONTRACT EXPENDITURE THRU 7/29/2024		AMENDED CONTRACT Phase 1 to Phase 3	
			\$353,000,000.00		\$356,636,234.56		\$363,666,103.74	
			Commitment Amount	Percent of Contract	Actual Amount	Percent of Contract	Commitment Amount	Percent of Contract
Phase 3	SM Sales (Sub to Blois)	Aggregate Products	\$ -	0.000%	\$17,436.72	0.005%	\$17,436.72	0.005%
Phase 3	Lowers Welding (Sub to SWI)	Fabrication of Shoring Beams	\$ -	0.000%	\$103,940.92	0.029%	\$114,810.65	0.032%
Phase 3	Rupert Construction Supply (Sub to SWI)	Lagging & Tieback Supply	\$ -	0.000%	\$103,940.92	0.029%	\$103,940.92	0.029%
Phase 3	Morgner Construction Management (Sub to SWI)	Shoring Monitoring	\$ -	0.000%	\$163,200.00	0.046%	\$163,200.00	0.045%
Phase 3	MTGL, Inc. (Sub to SWI)	Quality Control	\$ -	0.000%	\$40,498.50	0.011%	\$40,498.50	0.011%
Phase 3	Quality Hydroseeding & Restoration (Sub to SWI)	Hydroseeding	\$ -	0.000%	\$10,620.80	0.003%	\$10,620.80	0.003%
Phase 3	Land Design	SWPPP	\$ -	0.000%	\$234,257.77	0.066%	\$280,872.85	0.077%
Phase 2	Davis Blueprint (Sub to WOL)	Printing	\$9,763.56	0.003%	\$6,426.11	0.002%	\$6,426.11	0.002%
Phase 2	Everfield Consulting (Sub to WOL)	Outreach	\$156,097.43	0.044%	\$156,097.38	0.044%	\$156,097.43	0.043%
Phase 2	Fine Grade Equipment (Sub to Blois)	Site Grading	\$203,009.00	0.058%	\$203,009.00	0.057%	\$203,009.00	0.056%
Phase 2	FarWest (Sub to Blois)	Cathodic Protection	\$22,295.00	0.006%	\$28,365.00	0.008%	\$28,365.00	0.008%
Phase 2	SM Sales (Sub to Blois)	Aggregate Products	\$318,994.00	0.090%	\$249,785.00	0.070%	\$249,785.00	0.069%
Phase 2	Vista Steel (Sub to Blois)	Rebar	\$136,934.00	0.039%	\$136,934.00	0.038%	\$136,934.00	0.038%
Phase 2	SM Sales (Sub to Shimmick)	Permeable Base	\$2,359,985.30	0.669%	\$2,359,985.30	0.662%	\$2,359,985.30	0.649%
Phase 2	AME Construction Inc. (Sub to Shimmick)	Trucking	\$1,370,669.71	0.388%	\$1,370,669.71	0.384%	\$1,370,669.71	0.377%
Phase 2	AFSANEH Enterprises, Inc. (Sub to Shimmick)	IT	\$6,367.23	0.002%	\$6,367.23	0.002%	\$6,367.23	0.002%
Phase 2	Maverick Supply, Inc. (Land Design Sub)	Pipe Supplies	\$2,314.30	0.001%	\$2,314.65	\$0.00	\$2,314.65	0.001%
Phase 1	Apple One Solutions	Employment Services	\$10,058.73	0.003%	\$10,058.73	0.003%	\$10,058.73	0.003%
Phase 1	Cal Fran Engineering	Grading	\$124,065.09	0.035%	\$141,621.54	0.040%	\$141,621.54	0.039%
Phase 1	Cal Valley	Concrete Accessories	\$200,000.00	0.057%	\$170,496.16	0.048%	\$200,000.00	0.055%
Phase 1	Davis Blue Print	Printing	\$7,908.57	0.002%	\$7,908.57	0.002%	\$7,908.57	0.002%
Phase 1	Hydraulic Cranes	Equipment Rental	\$182,567.40	0.052%	\$152,160.40	0.043%	\$182,567.40	0.050%
Phase 1	Maskell Pipe Supply	Steel Supplier	\$44,000.00	0.012%	\$22,097.00	0.006%	\$44,000.00	0.012%
Phase 1	Precision Air Balance	TAB	\$3,275.00	0.001%	\$3,275.00	0.001%	\$3,275.00	0.001%
Phase 1	SM Sales	Supplies	\$1,938,123.25	0.549%	\$1,938,123.25	0.543%	\$1,938,123.25	0.533%
Phase 1	Socal Pipe	Welding Subcontractor	\$5,658.00	0.002%	\$5,658.00	0.002%	\$5,658.00	0.002%
Phase 1	Steiny & Company	Electrical Supplies	\$2,344,370.28	0.664%	\$2,366,733.14	0.664%	\$2,366,733.14	0.651%
Phase 1	Trinity Equipment	Equipment Rental	\$2,504.00	0.001%	\$2,504.00	0.001%	\$2,504.00	0.001%
Phase 1	Vertical Constructors	Soil Mixing	\$689,437.00	0.195%	\$661,305.00	0.185%	\$689,437.00	0.190%
TOTAL:			\$10,138,396.85	3%	\$10,675,789.80	3%	\$10,843,220.50	3%

OBE SUBCONTRACTING

Phase	OBE Subcontractor	Description	ORIGINAL CONTRACT		CONTRACT EXPENDITURE THRU 7/29/2024		AMENDED CONTRACT Phase 1 to Phase 3	
			\$353,000,000.00		\$356,636,234.56		\$363,666,103.74	
			Commitment Amount	Percent of Contract	Actual Amount	Percent of Contract	Commitment Amount	Percent of Contract
Phase 3	Ace & Stewart Detailing (Sub to Allied Steel)	Detailing	\$ -	\$ -	\$90,000.00	0.025%	\$99,411.84	0.027%
Phase 3	Associated (Sub to Blois)	Ready Mix	\$ -	\$ -	\$555,535.25	0.156%	\$555,535.25	0.153%
Phase 3	BK Valves (Sub to Blois)	Equipment	\$ -	\$ -	\$910,492.50	0.255%	\$1,538,145.00	0.423%
Phase 3	Bilco (Sub to Blois)	Hatches	\$ -	\$ -	\$6,715.38	0.002%	\$6,715.38	0.002%
Phase 3	Crane Rental Service (Sub to Blois)	Crane	\$ -	\$ -	\$195,670.73	0.055%	\$195,670.73	0.054%
Phase 3	Famcon Pipe & Supply (Sub to Blois)	Piping	\$ -	\$ -	\$15,439.68	0.004%	\$15,439.68	0.004%
Phase 3	Farwest Corrosion (Sub to Blois)	Testing	\$ -	\$ -	\$77,811.27	0.022%	\$90,116.22	0.025%
Phase 3	Ferguson Enterprises (Sub to Blois)	Piping	\$ -	\$ -	\$180,477.18	0.051%	\$249,483.66	0.069%
Phase 3	Multi W Systems (Sub to Blois)	Pumps	\$ -	\$ -	\$7,840.04	0.002%	\$36,713.28	0.010%
Phase 3	Olson Precast Company (Sub to Blois)	Manholes	\$ -	\$ -	\$54,795.00	0.015%	\$54,795.00	0.015%
Phase 3	Ultra Welding (Sub to Blois)	Welding	\$ -	\$ -	\$174,507.13	0.049%	\$174,507.13	0.048%
Phase 3	Fluid Logic Valve/Great Lakes Industrial (Sub to Blois)	Control Valve	\$ -	\$ -	\$12,728.89	0.004%	\$12,728.89	0.004%
Phase 3	Core & Main (Sub to Blois)	Temp By-Pass	\$ -	\$ -	\$241,963.97	0.068%	\$241,963.97	0.067%
Phase 3	Thompson Enterprises (Sub to Blois)	Gaskets	\$ -	\$ -	\$67,299.05	0.019%	\$79,921.50	0.022%
Phase 3	DeZurik, Inc. (Sub to Blois)	Butterfly Valves	\$ -	\$ -	\$726,927.71	0.204%	\$800,000.00	0.220%
Phase 3	Jensen Precast (Sub to Blois)	Seismic Enclosure	\$ -	\$ -	\$29,636.18	0.008%	\$29,805.91	0.008%
Phase 3	Matt Chlor (Sub to Blois)	Disinfect Pipelines	\$ -	\$ -	\$8,616.50	0.002%	\$8,616.50	0.002%
Phase 3	Merli Concrete Pumping (Sub to Blois)	Concrete Pumping	\$ -	\$ -	\$18,814.79	0.005%	\$35,671.12	0.010%
Phase 3	Conco Pumping (Sub to CSI)	Concrete Pumping	\$ -	\$ -	\$19,347.12	0.005%	\$19,347.12	0.005%
Phase 3	Power Plus (Sub to CSI)	Temporary Power	\$ -	\$ -	\$10,237.00	0.003%	\$23,440.00	0.006%
Phase 3	Power One (Sub to CSI)	Civil Scope / Excavation	\$ -	\$ -	\$34,358.00	0.010%	\$168,300.00	0.046%
Phase 3	Halco Testing Services (Sub to CSI)	NETA Testing	\$ -	\$ -	\$6,536.00	0.002%	\$28,244.01	0.008%
Phase 3	Technical Systems Inc. (Sub to CSI)	Flow Meters	\$ -	\$ -	\$498,304.00	0.140%	\$661,247.00	0.182%
Phase 3	SLR International Corporation (Sub to CSI)	Construction Observation	\$ -	\$ -	\$4,300.00	0.001%	\$4,300.00	0.001%
Phase 3	George T. Hall Company (Sub to CSI)	Instrumentation & Controls	\$ -	\$ -	\$61,357.52	0.017%	\$61,357.52	0.017%
Phase 3	Trimax Systems (Sub to CSI)	Instrumentation & Controls	\$ -	\$ -	\$83,038.00	0.023%	\$83,038.00	0.023%
Phase 3	RD Systems (Sub to CSI)	Security System	\$ -	\$ -	\$109,107.00	0.031%	\$109,107.00	0.030%
Phase 3	Robertson's Ready Mix (Sub to CSI)	Concrete	\$ -	\$ -	\$56,027.00	0.016%	\$56,027.00	0.015%
Phase 3	Malcom (Sub to SWI)	Temporary Shoring Wall	\$ -	\$ -	\$982,143.73	0.275%	\$982,143.73	0.270%
Phase 3	Hilti (Sub to UMC)	Equipment	\$ -	\$ -	\$80,639.84	0.023%	\$89,072.83	0.024%
Phase 3	Superior Duct (Sub to UMC)	Ductwork	\$ -	\$ -	\$2,352.27	0.001%	\$2,352.27	0.001%
Phase 3	Lord & Sons (Sub to UMC)	Materials	\$ -	\$ -	\$3,334.95	0.001%	\$3,683.71	0.001%
Phase 3	R&R Ductwork (Sub to UMC)	Ductwork	\$ -	\$ -	\$179.82	0.000%	\$179.82	0.000%
Phase 3	Psomas	Survey Services	\$ -	\$ -	\$7,240.00	0.002%	\$24,660.00	0.007%
Phase 3	EFI Global	SWPPP	\$ -	\$ -	\$321,371.20	0.090%	\$372,192.00	0.102%

Phase 3	Allied Steel Company	Misc. Metals	\$ -	\$ -	\$1,956,282.10	0.549%	\$1,956,282.10	0.538%
Phase 3	Blois Construction	Piping	\$ -	\$ -	\$28,205,958.25	7.909%	\$28,414,457.19	7.813%
Phase 3	PowerPlusI	Temp Power	\$ -	\$ -	\$97,222.36	0.027%	\$104,771.00	0.029%
Phase 3	Stacy & Witbeck	Flow Control Station and Vaults	\$ -	\$ -	\$13,482,433.01	3.780%	\$13,766,707.73	3.786%
Phase 3	American Industry Fence	Temp Fencing	\$ -	\$ -	\$5,038.92	0.001%	\$5,038.92	0.001%
Phase 3	CSI Electrical	Electrical Work	\$ -	\$ -	\$5,643,344.56	1.582%	\$6,081,509.56	1.672%
Phase 3	Arrow Disposal Services	Debris Rolloff Rental	\$ -	\$ -	\$18,721.50	0.005%	\$19,000.00	0.005%
Phase 3	United Mechanical Contractors (Phase 2 Transition)	HVAC	\$ -	\$ -	\$183,950.00	0.052%	\$183,950.00	0.051%
Phase 3	United Mechanical Contractors (Phase 3)	HVAC	\$ -	\$ -	\$916,366.36	0.257%	\$966,366.36	0.266%
Phase 2	United Mechanical Contractors	HVAC	\$225,439.98	0.064%	\$225,439.98	0.063%	\$225,439.98	0.062%
Phase 2	Underwater Resources	Divers/Crack Repair	\$160,348.95	0.045%	\$160,348.95	0.045%	\$160,348.95	0.044%
Phase 2	Nystrom Inc.	Misc Metal Supply	\$264,463.96	0.075%	\$264,463.96	0.074%	\$264,463.96	0.073%
Phase 2	Andersen (EFI Global)	SWPPP	\$890,781.92	0.252%	\$890,781.92	0.250%	\$890,781.92	0.245%
Phase 2	American Industry Fence	Toilets	\$10,077.84	0.003%	\$10,077.84	0.003%	\$10,077.84	0.003%
Phase 2	Allied Steel Company	Misc Metal Supply	\$24,550.00	0.007%	\$24,550.00	0.007%	\$24,550.00	0.007%
Phase 2	Blois Construction	On Site Piping	\$13,608,257.03	3.855%	\$13,608,257.03	3.816%	\$13,608,257.03	3.742%
Phase 2	Francisco's Janitorial (WOL Sub)	Janitorial Services	\$40,000.00	0.011%	\$40,000.00	0.011%	\$40,000.00	0.011%
Phase 2	Power Plus	Temp Power	\$145,820.00	0.041%	\$145,820.00	0.041%	\$145,820.00	0.040%
Phase 2	KB Engineering	Consultant	\$128,484.34	0.036%	\$128,484.34	0.036%	\$128,484.34	0.035%
Phase 2	Twining	QC	\$49,583.00	0.014%	\$49,583.00	0.014%	\$49,583.00	0.014%
Phase 2	Shimmick	Concrete	\$64,377,590.20	18.237%	\$64,377,590.20	18.051%	\$64,377,590.20	17.702%
Phase 2	CSI Electrical	Electrical	\$2,542,322.11	0.720%	\$2,542,322.11	0.713%	\$2,542,322.11	0.699%
Phase 2	Penhall	Demo Concrete	\$7,550.00	0.002%	\$7,550.00	0.002%	\$7,550.00	0.002%
Phase 2	Wiss, Janney, Elstner Associates, Inc.	Eng and Consultant	\$48,440.00	0.014%	\$48,440.00	0.014%	\$48,440.00	0.013%
Phase 2	Citiguard, Inc.	Security	\$23,497.50	0.007%	\$23,497.50	0.007%	\$23,497.50	0.006%
Phase 2	United Site Services	Toilets	\$28,839.85	0.008%	\$28,839.85	0.008%	\$28,839.85	0.008%
Phase 1	Blois Construction	On Site Piping	\$2,849,177.80	0.807%	\$2,853,671.46	0.800%	\$2,853,671.46	0.785%
Phase 1	Cor-Ray	Painting	\$73,703.88	0.021%	\$72,719.88	0.020%	\$72,719.88	0.020%
Phase 1	Francisco's Janitorial	Janitorial Services	\$20,000.00	0.006%	\$20,000.00	0.006%	\$20,000.00	0.005%
Phase 1	Gonsalves & Santucci (Conco)	Concrete	\$1,839,100.38	0.521%	\$1,839,100.38	0.516%	\$1,839,100.38	0.506%
Phase 1	Griffith Company	Site Concrete	\$993,104.90	0.281%	\$998,357.00	0.280%	\$998,357.00	0.275%
Phase 1	Michels Corporation	Tunneling	\$13,063,137.15	3.701%	\$14,981,007.45	4.201%	\$14,981,007.45	4.119%
Phase 1	Mladen Buntich Construction	On Site Piping	\$16,572,090.47	4.695%	\$16,832,424.40	4.720%	\$16,832,424.40	4.629%
Phase 1	SSC Construction	Structural Concrete	\$51,890,584.15	14.700%	\$52,753,198.75	14.792%	\$52,753,198.75	14.506%
Phase 1	Steve Bubalo Construction	Structural Concrete	\$1,971,343.77	0.558%	\$1,951,068.77	0.547%	\$1,951,068.77	0.537%
Phase 1	Twining	QC	\$1,000.00	0.000%	\$1,000.00	0.000%	\$1,000.00	0.000%
Phase 1	Truelook INC	Video Recording	\$26,701.00	0.008%	\$26,701.00	0.007%	\$26,701.00	0.007%
Phase 1	United Mechanical Contractors	HVAC	\$502,275.44	0.142%	\$505,550.44	0.142%	\$505,550.44	0.139%
Phase 1	Valley Crest Landscape	Landscape	\$6,539.89	0.002%	\$6,539.89	0.002%	\$6,539.89	0.002%
TOTAL:			\$172,384,805.51	48%	\$231,581,847.86	64%	\$233,829,402.03	64%