

RECLAMATION

Managing Water in the West

MID-PACIFIC CONSTRUCTION OFFICE
Willows, California

Construction Progress Report L-29



U.S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Region

September 2015

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CONSTRUCTION PROGRESS REPORT (L-29)

MID-PACIFIC CONSTRUCTION OFFICE

MID-PACIFIC REGION

SEPTEMBER 2015

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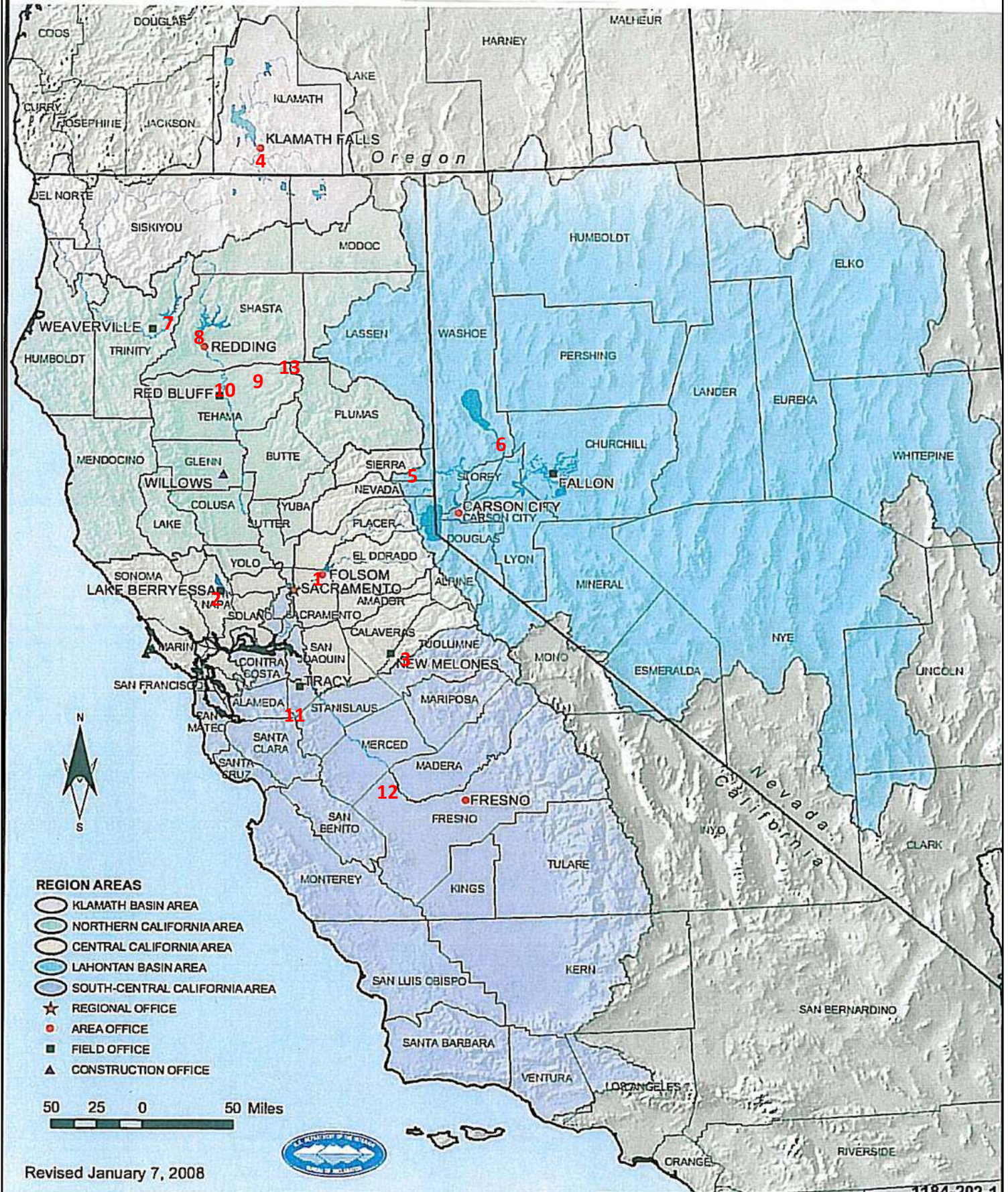
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Mid-Pacific Region

RECLAMATION
Managing Water in the West



Mid-Pacific Region Area Map
Areas Where Work is Performed

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STAFFING - MID PACIFIC CONSTRUCTION OFFICE

The Mid-Pacific Construction Office had 41 construction and administrative employees at the close of this month as follows:

| | |
|---------------------------------------|----|
| Construction Engineer's Office | 2 |
| Preaward and Project Management Group | 3 |
| Administrative Management | 7 |
| Division of Field Engineering | 19 |
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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

| ACRONYM | MEANING |
|----------------|--------------------------------------|
| CCAO | Central California Area Office |
| CVP | Central Valley Project |
| KBAO | Klamath Basin Area Office |
| LBAO | Lahontan Basin Area Office |
| MP | Mid-Pacific Regional Office |
| MPCO | Mid-Pacific Construction Office |
| NCAO | Northern California Area Office |
| CCAO | Central California Area Office |
| SCCAO | South Central California Area Office |
| TO | Tracy Office |

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Central California Area Office

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Contract No. R10PC20019
Specification No. 20-C0689
Folsom Power Plant Generators U1, U2, and U3 Rewind and
Excitation System Replacement – Folsom Unit, American River
Division, Central Valley Project, California
Andritz Hydro Corp, Charlotte, NC

| | | |
|------------------------|--------------------------------------|-----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 98.6% |
| | Work Completed | 95.2% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$19,742,130.63 |
| | Total to Date | \$19,742,130.63 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$89,186.00 |
| | 2 nd Quarter Expenditures | \$125,924.00 |
| | 3 rd Quarter Expenditures | \$146,787.00 |
| | 4 th Quarter Expenditures | \$93,719.00 |
| | FY15 Cumulative Total | \$455,616.00 |
| | FY15 Budgeted | \$485,085.00 |
| | Amount Remaining | \$29,469.00 |
| | Percent Remaining | 6.07% |

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

No Invoice was received this reporting period.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314.

Number of Contractor Employees: 9

Work Performed

Andritz Hydro replaced those top bars within slots 41 through 51 and the bottom bar within slot 51. They wedged, re-brazed and lashed in-place replacement stator bars. They also brazed and re-insulated jumper connections to top bars within slots 43, 47 and 51.

Andritz Hydro installed connection end and turbine end silicone capping molds. They filled capping molds with Momentum RTV 664.

Andritz Hydro re-braided, re-insulated and lashed in-place those jumpers which connect main and neutral leads to each of the parallel circuits.

Andritz Hydro insulated each of the six flexible connections to the equalizer rings and each of the 12 flexible connections to main and neutral leads.

Andritz Hydro performed Insulation Resistance (IR) and Polarization Index (PI), Conductance and DC Ramp tests for each of the six parallels.

Andritz Hydro performed troubleshooting on the AC HiPot test machine.

Contract No. R13PC20092
Specification No. 20-C0807
Mormon Island Auxiliary Dam Overlay,— Folsom Unit, American
River Division, Central Valley Project, California
Suulutaaq, Inc., Suisun City, CA

| | | |
|------------------------|--------------------------------------|-----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 85.0% |
| | Work Completed | 80.4% |
| Contractor Earnings | September | \$2,388,239.67 |
| | Previous | \$39,268,403.60 |
| | Total to Date | \$41,656,643.27 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$275,802.00 |
| | 2 nd Quarter Expenditures | \$194,150.00 |
| | 3 rd Quarter Expenditures | \$232,095.00 |
| | 4 th Quarter Expenditures | \$227,428.00 |
| | FY15 Cumulative Total | \$929,475.00 |
| | FY15 Budgeted | \$1,083,620.00 |
| | Amount Remaining | \$154,145.00 |
| | Percent Remaining | 14.2% |

Area Office Project Management

Project Manager: Kyle Keer, CC-108

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

Invoice 23 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through August 20, 2015.

Modification 8 (\$3,047,142.00), for the purpose of placing cobble slope protection on the downstream side of the dam, was executed this period.

Field Engineering:

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representatives: Sean Frische, MPCO-317; Zahid Wazid, MPCO-349; Gustavo Aguilera, MPCO-337; Arnold Moseby, MPCO-327; Bill Linder, MPCO-312; Sean Hill, MPCO-359

Number of Contractor Employees: 45

Work Performed

Toe Drain Construction

Subcontractor, Nor-Cal Pipeline Services, conducted final toe drain pipe inspection for Segments 1, 2, and 5.

Stockpile Processing activities

Subcontractor, Fisher Industries, finished processing at their primary processing plant. Products made at the primary plant were Caltrans Class II aggregate base and by-product Zone B material. Afterwards Fisher Industries started and finished demobilizing their primary and secondary plant and most of the support equipment.

Instrumentation

The contractor finished installing the pull-boxes and conduits across the crest and the 464 feet elevation bench piezometers.

Site Restoration

The contractor started and completed about 70 percent of the gravel surfacing on the crest and completed gravel surfacing both of the benches.

Subcontractor, Triangle Excavation Inc., removed the fencing around the pond site across Green Valley Road.

Subcontractor, Granite Construction, started site restoration of the Stockpile A area after Fisher demobilized.

Water Pollution Control/SWPPP

The contractor restored and hydro-seeded the pond area across Green Valley Road.



Mormon Island Auxiliary Dam Overlay
Overview of the cobble slope placement and gravel surfacing work.

Contract No. R14PC20096
Specification No. 20-C0816
Nimbus Dam Radial Gate Repairs, Phase III – American River
Division, Central Valley Project, California
Alltech Engineering Corp., Mendota Heights, MN

| | | |
|------------------------|--------------------------------------|----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 33.4% |
| | Work Completed | 15.9% |
| Contractor Earnings | September | \$781,295.00 |
| | Previous | \$984,744.00 |
| | Total to Date | \$1,766,039.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$19,034.00 |
| | 2 nd Quarter Expenditures | \$24,822.00 |
| | 3 rd Quarter Expenditures | \$24,524.00 |
| | 4 th Quarter Expenditures | \$68,191.00 |
| | FY15 Cumulative Total | \$136,571.00 |
| | FY15 Budgeted | \$334,790.00 |
| | Amount Remaining | \$198,219.00 |
| | Percent Remaining | 59.2% |

Area Office Project Management

Project Manager: Jeff Croshal, CC-607

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

Invoice 3 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through August 31, 2015.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representatives: Todd Dooley, MPCO-317; Mike Manlick, MPCO-313; Sean Frische, MPCO-317; Howard Diedrich, MPCO-316

Number of Contractor Employees: 23

Work Performed

Abrasive blasting, pit repairs, bolt replacements, and coatings were performed on Gate 10.

The coating applicators applied caulking to seams where the epoxy coating did not bridge. After coating, holiday testing was performed. Several small holidays were found and touched-up as needed to meet specification requirements. Then the crew removed the poly-wrap containment and scaffolding from Gate 10.

Cable wear pads with a wearing compound were installed on the upstream face of the gate, where the wire ropes rub the steel skin.

The contractor installed new stainless steel hoist ropes, equalizer bars, links, and pins on the lifting brackets at Gate 10. The contractors also raised and lowered the gate to tension and synchronize the new hoist rope. They adjusted the new left and right side seals to fit snug up against the wall plates and made final adjustments to the bottom seal. They started installing cathodic protection.

A fencing crew installed a temporary chain link fence around the backside of the Bulkhead Storage Facility work area. The foundation and footings for the Bulkhead Storage Facility were excavated, and the forms were set. Reinforcing bars were installed and the footings and slabs positioned into place. A gravel step was placed around the foundation. The final grading work will not be completed until the building has been erected.

The structural steel frame members were delivered to the site, and the painting subcontractor applied primer where specified.

The painting subcontractor performed lead abatement on areas of the handrail that will be cut and extended. This was performed along the upstream and downstream perimeter of the power plant and on the downstream side of the bridge.

Bathymetric Surveying was performed on the upstream side of the dam structure to obtain the underwater topography of the silt piles in front of the radial gates.

Baker Tanks and a control center with sand filters were delivered to the site and used for filtering the lake water during dredging operations. The filtering system was set-up, a turbidity curtain was placed adjacent to the upstream operation, and divers commenced dredging activities.

Divers rotated operating the dredge nozzle at two hour intervals. The divers also loaded the material skip with drift wood and sediment material. Dredging operations continued through the end of the month upstream of and adjacent to Gate 18.



**Nimbus Dam Radial Gate Repairs, Phase III
Filling dredging material container**

Contract No. R13PC20159
Specification No. 20-C0819
Lake Berryessa Concessions Area Improvements – Lake
Berryessa, Solano Project, California
G.D. Nielson Construction, Inc., Napa, CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 1.7% |
| | Time Elapsed | 100% |
| | Work Completed | 63.6% |
| Contractor Earnings | September | \$17,573.00 |
| | Previous | \$645,444.76 |
| | Total to Date | \$663,018.34 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$3,081.00 |
| | 2 nd Quarter Expenditures | \$600.00 |
| | 3 rd Quarter Expenditures | \$0.00 |
| | 4 th Quarter Expenditures | \$0.00 |
| | FY15 Cumulative Total | \$3,681.00 |
| | FY15 Budgeted | \$4,000.00 |
| | Amount Remaining | \$319.00 |
| | Percent Remaining | 7.98% |

Area Office Project Management

Project Manager: Peter Funkhouser, CC-440

Office Engineering

Contract Manager: Larry Bowman, MPCO-240

Invoice No. 5 was received was received during this period for work performed from September 1, 2014 to September 23, 2015

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Bill Linder, MPCO-312

Number of Contractor Employees: 0

Work Performed

There was no onsite work performed during this period. Work has been suspended until further notice.

Contract No. R15PC00064
Specification No. 20-C0830
New Melones Lift Station Repairs – East Side Division, Central Valley Project, California
Gold Electric, Inc., Murphys, CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 36.2% |
| | Time Elapsed | 68.9% |
| | Work Completed | 38.5% |
| Contractor Earnings | September | \$134,855.21 |
| | Previous | \$8,602.00 |
| | Total to Date | \$143,457.21 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$3,240.00 |
| | 2 nd Quarter Expenditures | \$20,971.00 |
| | 3 rd Quarter Expenditures | \$11,318.00 |
| | 4 th Quarter Expenditures | \$51,626.00 |
| | FY15 Cumulative Total | \$87,155.00 |
| | FY15 Budgeted | \$140,690.00 |
| | Amount Remaining | \$53,535.00 |
| | Percent Remaining | 38.1% |

MPCO noncontract costs includes costs for Project Management

Area Office Project Management

Project Manager: William Vanderwaal

Office Engineering

Contract Manager: Kevin Jacobs, MPCO-214

Invoice No. 2 was received during this period for work performed from June 1, 2015 to August 31, 2015.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Dennis Schuenemann, MPCO-338

Number of Contractor Employees: 4

Work Performed

Installation of instrumentation and controls for sewer lift stations were performed.

Contract No. R15PC00090
Specification No. 20-C0840
Nimbus Fish Hatchery 16-inch Pipeline Replacement – American
River Division, Central Valley Project, California
Contractor Services Group, Inc., West Sacramento, CA

| | | |
|------------------------|--------------------------------------|--------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 61.5% |
| | Work Completed | 0.0% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$0.00 |
| | Total to Date | \$0.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$0.00 |
| | 2 nd Quarter Expenditures | \$0.00 |
| | 3 rd Quarter Expenditures | \$0.00 |
| | 4 th Quarter Expenditures | \$0.00 |
| | FY15 Cumulative Total | \$0.00 |
| | FY15 Budgeted | \$0.00 |
| | Amount Remaining | \$0.00 |
| | Percent Remaining | 0.0% |

MPCO noncontract costs are included in Nimbus Radial Gates Phase III MPCO Noncontract costs.

Area Office Project Management

Project Manager: Jose Santana, CC-107

Office Engineering

Contract Manager: Amber Pierce, MPCO-205

No invoice was received during this period.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representatives: Todd Dooley, MPCO-314 and Mike Manlick MPCO-313

Number of Contractor Employees: 16

Work Performed

The lead remediation subcontractor removed an 18-inch section of paint coatings from the four support columns on the west side of the building where Contractor Services Group (CSG) will perform future cuts, and then cleaned the rust and corrosion scale from each of the lower pipe

sections and I-beam supports. The subcontractor then cut, removed, and hauled-off the angle iron that lines each side of the top of the building's west side concrete pipe trough; and then performed the 16-inch pipe cutting and disassembly, pipe and pipe support removal, and hazardous waste clean-up from the west side concrete trough. A cutting torch was used to make pipe sections manageable.

All of the removed materials were delivered to a local metal recycler. A Reclamation physical scientist inspected and approved a waste manifest for the removal of small quantities of hazardous material from the site. The work area was vacuumed and wiped down, then tested to confirm all hazardous material had been removed.

Using Ardex CP concrete patch, CSG's crew repaired concrete damage that occurred during removal of the old angle iron. New Z-Bar channel iron, coated offsite, was delivered and installed along the west trough using wedge anchors secured into the concrete face of the trough walls. Closed-cell foam backer rod and polyurethane sealant were used to seal the gap between the newly-installed Z-Bar channel iron and the edge of the concrete slab.

CSG's laborers relocated the fiberglass tubs; using manual hydraulic jacks in order to access the 16-inch pipe trough on the building's west side, facilitating the pipe removal activities.

The two 16-inch pipe flanges and butterfly valves were installed on the existing pipelines. A strip of the epoxy sealant was applied over the gap between the new flange and interior concrete lining.

Modifications were required at the upstream end of each trough in order to allow for proper clearance of the operator assembly on each valve. The crew cut away the existing returns at the upper end of each trough. The coating subcontractor applied the first two coats (a primer and tack coat) of the approved epoxy coating.

CSG's concrete subcontractor set-up and placed the concrete stemwalls on the upstream end of both pipe troughs, and did the set-up and replacement of the concrete slab sections removed during valve installation. Hydrophilic water stop was used around each of the 16-inch diameter pipes where they pass through the stemwalls, and a strip of this waterproofing material was installed along each of the side and bottom construction joints. A final, light broom finish was placed on the new slab surface.

CSG's laborer cleaned and applied a smooth coating of the concrete patch around the small section of existing concrete wrapped pipe protruding from the new stemwalls between the end of the trough and the new butterfly valves.

CSG's crew installed the ductile iron pipe couplers to each of the new butterfly valves. Each of the stainless steel pipe supports was trimmed in order to prevent damage to the coated surface of the angle iron.

The 16-inch diameter PVC piping and appurtenances were installed in the building's west side trough. As sections of pipe were coupled together using the mechanical joint restraints, the crew marked the center line where each of the 3-inch risers would be installed, and the crew ensured that neither the couplers nor pipe hangers would interfere with the risers. Pipe lengths were adjusted as needed to avoid this conflict. The crew nearly completed the installation of the west side pipeline by the end of the month.

CSG received a shipment of 25 stainless steel pipe supports, 25 stainless steel pipe support brackets, eight 3-inch diameter pipe replacement segments, eight I-beam support replacements, two column support jigs, and two boxes of hardware.

A GEHL RS5-19, low-profile, forklift was delivered and inspected for use in moving pipe and appurtenances from the staging yard to the Hatchery building.



Nimbus 16-inch Pipeline Replacement
Workers cut away the returns on the existing concrete troughs to allow installation of new valve operators.



Nimbus 16-inch Pipeline Replacement

The upstream end of the east side trough after the existing returns have been cut away.

Contract No. R15PC00132
Specification No. 20-C0845
Lake Berryessa – Putah Canyon Drinking Water Well, Solano
Project, California
Woodward Drilling Company, Rio Vista, CA

| | | |
|------------------------|--------------------------------------|-------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 0.0% |
| | Work Completed | 0.0% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$0.00 |
| | Total to Date | \$0.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$3,444.00 |
| | 2 nd Quarter Expenditures | \$33,917.00 |
| | 3 rd Quarter Expenditures | \$81.00 |
| | 4 th Quarter Expenditures | \$4,886.00 |
| | FY15 Cumulative Total | \$42,328.00 |
| | FY15 Budgeted | \$51,090.00 |
| | Amount Remaining | \$8,762.00 |
| | Percent Remaining | 17.2% |

Area Office Project Management

Project Manager: Peter Funkhouser, CC-440

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

This contract was awarded on September 17, 2015 in the amount of \$93,437.65.

No invoice was received during this reporting period.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Ben Richburg, MPCO-318

Onsite Government Representative: Bill Linder, MPCO-312

Number of Contractor Employees: 0

Number of Subcontractor Employees: 0

Work Performed

No onsite work was performed during this period.

Contract No. R14PC00125
Specification No. None
Folsom Temporary Pump Station – American River Division,
Central Valley Project, California
Contractor Services Group, Inc., West Sacramento, CA

| | | |
|------------------------|--------------------------------------|----------------|
| Work Performed | September | 34.7% |
| | Time Elapsed | 76.1% |
| | Work Completed | 37.8% |
| Contractor Earnings | September | \$1,885,268.73 |
| | Previous | \$149,508.80 |
| | Total to Date | \$2,034,777.53 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$13,774.00 |
| | 2 nd Quarter Expenditures | \$17,141.00 |
| | 3 rd Quarter Expenditures | \$29,923.00 |
| | 4 th Quarter Expenditures | \$68,081.00 |
| | FY15 Cumulative Total | \$128,919.00 |
| | FY15 Budgeted | \$166,770.00 |
| | Amount Remaining | \$37,851.00 |
| | Percent Remaining | 22.7% |

Area Office Project Management

Project Manager: Jesse Castro, CCO-607

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

This contract was awarded on September 19, 2014 in the amount of \$1,816,216.00. Additional funds were obligated in the amount of \$3,449,671.00.

Invoice No. 3 was received on September 25, 2015. Payment was issued in the amount of \$1,885,268.73 for work performed from April 1, 2015 to September 22, 2015..

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Benjamin Richburg, MPCO-318

Number of Contractor Employees: 7

Work Performed

Contractor Services Group delivered 5-inch rock material and built a stone pad on the upstream left abutment. They also placed the 5-inch rock material over the rip rap as HDPE pipe bedding up the slope.

Fusion welded 18-inch” HDPE pipe and installed five pipelines on the road over the dam, and down the downstream side of the dam to the 36-inch manifold. Installed the 36-inch Pressure Control Valve this period and connected the 36-inch pipeline to the manifold. Installed five air release valves on the 18-inch HDPE pipelines. Installed five Valvematic air release valves at the top of the dam road, the high point of the pipe alignment.

Fusion welded 12-inch HDPE pipes and installed five pipelines on the left abutment rock pad down the upstream slope to the water’s edge. Installed blind flanges on the end of the 8-inch reducers to the 12-inch HDPE pipes. These pipelines are connected to the first manifolds that transition into the 18-inch HDPE pipes.

Installed 10 Gorman Rupp Submersible pump platforms in the reservoir.

Installed floats on the waterlines and installed power cords from each pump.

Installed two 10,000 lb. deadman anchors to keep pumps at correct depth.

Six generators were installed on top of the dam and control panels were installed adjacent to the generators. Secondary containment was built around the generators to contain leaks.

Klamath Basin Area Office

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Contract No. R15PC00080
Specification No. 20-C0836
Klamath Basin Area Office Sewer Lift Station, Klamath Basin
Area Office, Oregon
Andrews Contracting Services, LLC, Vancouver, WA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 3.0% |
| | Work Completed | 0.0% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$0.00 |
| | Total to Date | \$0.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$50,448.00 |
| | 2 nd Quarter Expenditures | \$18,773.00 |
| | 3 rd Quarter Expenditures | \$20,054.00 |
| | 4 th Quarter Expenditures | \$11,860.00 |
| | FY15 Cumulative Total | \$101,135.00 |
| | FY15 Budgeted | \$102,500.00 |
| | Amount Remaining | \$1,365.00 |
| | Percent Remaining | 1.3% |

MPCO noncontract costs include noncontract costs from Klamath Pivot Gate System and project management.

Area Office Project Management

Project Manager: William Vanderwaal, MPCO-122

Office Engineering

Contract Manager: Kent Perkes, MPCO-225

Submittals were reviewed during this period

Field Engineering

Construction Manager: Stephen Holmes, MPCO-320

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

Work Performed:

No on-site work performed during this period.

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Lahontan Basin Area Office

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Contract No. R13PC20088
Specification No. 20-C0808
Prosser Creek Dam Refurbish High-Pressure Gate Seats and
Regulating Gates – Stampede Division, Washoe Project,
California
Knight Construction and Supply, Inc., Deer Park, WA

| | | |
|------------------------|--------------------------------------|----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 92.9% |
| | Work Completed | 62.2% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$1,384,018.87 |
| | Total to Date | \$1,384,018.87 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$7,420.00 |
| | 2 nd Quarter Expenditures | \$33,277.00 |
| | 3 rd Quarter Expenditures | \$80,337.00 |
| | 4 th Quarter Expenditures | \$51,007.00 |
| | FY15 Cumulative Total | \$172,041.00 |
| | FY15 Budgeted | \$211,500.00 |
| | Amount Remaining | \$39,459.00 |
| | Percent Remaining | 18.7% |

Area Office Project Management

Project Manager: Locke Hahne, LO-400

Office Engineering

Contract Manager: Amber Pierce, MPCO-205

No invoice was received during this period.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representatives: Todd Dooley, MPCO-314; Art Carvajal, LC-6550

Number of Contractor Employees: 4

Work Performed

Knight Construction continued work to complete the gate installation. The Contractor completed all work associated with the clearance check on the frame seat bars and the gate CIP. The crew completed setting all the countersink bolts with locktite. The contractor set the gate leafs on wooden cribbing in preparation for the hydraulic cylinders,

They continued the preparation of the babbits and the frame seat slots and completed this function.

All the frame seat bars were set in place and the countersink bolts were installed.

The hydraulic piping was cut in preparation for the installation of the bypass valves.

All the pipe ends were threaded before installing the valves. The hydraulic piping bypass valves were installed.

The 18-inch HDPE bypass pipe was moved from the gate #3 and #4 over and into the gates #1 and #2 openings.

Water was pumped out of the lake to the river through the 18-inch bypass HDPE pipe.



Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates
A hydraulic jack used to apply force on the gate leaf to check clearances.



Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates
The hydraulic oil lines were removed from the gate chamber to modify them.



Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates
Hydraulic jacks were used to apply force to check the gate leaf and frame seat bars clearance



Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates
Threading pipe for the hydraulic pipe connections to the bypass valve installation

Contract No. R15PC00337
Specification No. 20-C0842
Marble Bluff Dam Spillway Repair – Stampede Division, Washoe
Project, Nevada
Tompco, Inc., Seabeck, WA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 25.7% |
| | Time Elapsed | 54.9% |
| | Work Completed | 35.1% |
| Contractor Earnings | September | \$151,686.00 |
| | Previous | \$55,247.00 |
| | Total to Date | \$206,933.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$1,010.00 |
| | 2 nd Quarter Expenditures | \$3,477.00 |
| | 3 rd Quarter Expenditures | \$9,178.00 |
| | 4 th Quarter Expenditures | \$75,620.00 |
| | FY15 Cumulative Total | \$89,285.00 |
| | FY15 Budgeted | \$89,290.00 |
| | Amount Remaining | \$5.00 |
| | Percent Remaining | 0.02% |

Area Office Project Management

Project Manager: Locke Hahne, LO-400

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

Invoice 2 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through August 25, 2015.

Field Engineering

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Gustavo Aguilera, MPCO-337

Number of Contractor Employees: 6

Worked Performed

The contractor performed demolition of the dentates, the designated portion of the concrete apron, and apron slab wall between Rows 9 and 13. The areas were cleaned of debris, pressure washed, formwork installed, and concrete placed. After sufficient curing, the formwork was stripped and small imperfections on the dentates were patched and repaired. The contractor completed all site work this period and began demobilizing on September the 29, the date the contractor achieved substantial completion.



**Marble Bluff Dam Spillway Repair
Grout being poured to fill the void between
the dentate and the stainless steel plate**

Northern California Area Office

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Contract No. R10PC20102
Specification No. 20-C0755
Spring Creek Powerplant Generators G1 and G2 Rewind – Trinity
River Division, Central Valley Project, California
Andritz Hydro Corp,, Charlotte, NC

| | | |
|------------------------|--------------------------------------|-----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 100% |
| | Work Completed | 100% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$11,689,489.79 |
| | Total to Date | \$11,689,489.79 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$109,156.00 |
| | 2 nd Quarter Expenditures | \$119,144.00 |
| | 3 rd Quarter Expenditures | \$24,581.00 |
| | 4 th Quarter Expenditures | \$6,607.00 |
| | FY15 Cumulative Total | \$259,488.00 |
| | FY15 Budgeted | \$397,000.00 |
| | Amount Remaining | \$137,512.00 |
| | Percent Remaining | 34.6% |

Area Office Project Management

Project Manager: Joe Ascoli

Office Engineering

Contract Manager: Kevin Jacobs, MPCO-214

No invoice was received during this reporting period.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 16

Work Performed

No onsite work was performed during this period.

Contract No. R13PC20172
Specification No. 20-C0817
JF Carr, Spring Creek, and Trinity Powerplant Pavement
Rehabilitation – Trinity River Division, Central Valley Project,
California
California Pavement Maintenance Company, Inc., Sacramento,
CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 100.0% |
| | Work Completed | 39.4% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$105,844.05 |
| | Total to Date | \$105,844.05 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$5,454.00 |
| | 2 nd Quarter Expenditures | \$2,900.00 |
| | 3 rd Quarter Expenditures | \$2,400.00 |
| | 4 th Quarter Expenditures | \$5,679.00 |
| | FY15 Cumulative Total | \$16,433.00 |
| | FY15 Budgeted | \$14,640.00 |
| | Amount Remaining | \$0.00 |
| | Percent Remaining | 0.0% |

Area Office Project Management

Project Manager: Hank Harrington, NCAO-210

Office Engineering

Contract Manager: Kevin Jacobs, MPCO-214

No invoice was received during this reporting period.

Field Engineering

Construction Manager: Stephen Holmes, MPCO-320

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

Work performed

No onsite work was performed during this period.

Contract No. R15PC00041
Specification No. 20-C0827
Keswick Powerplant Main Bus Replacement – Shasta Division,
Central Valley Project, California
Gardner Zemke Company, Albuquerque, NM

| | | |
|------------------------|--------------------------------------|-------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 44.5% |
| | Work Completed | 0.5% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$11,504.00 |
| | Total to Date | \$11,504.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$0.00 |
| | 2 nd Quarter Expenditures | \$3,300.00 |
| | 3 rd Quarter Expenditures | \$17,456.00 |
| | 4 th Quarter Expenditures | \$16,670.00 |
| | FY15 Cumulative Total | \$37,426.00 |
| | FY15 Budgeted | \$48,470.00 |
| | Amount Remaining | \$11,044.00 |
| | Percent Remaining | 22.8% |

Area Office Project Management

Project Manager: Jeff Gifford

Office Engineering

Contract Manager: Kevin Jacobs, MPCO-214

No invoice was received during the month of September.

Field Engineering

Construction Manager: Not so. Randy was gone by end of May

Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 0

Work Performed

No onsite work was performed during this period.

Contract No. R15PC00089
Specification No. 20-C0831
Intake 3 Screen Extension, Coleman National Fish Hatchery, CA
Contractor Services Group, Inc., West Sacramento, CA

| | | |
|------------------------|--------------------------------------|-------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 10% |
| | Work Completed | 0.0% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$0.00 |
| | Total to Date | \$0.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$4,550.00 |
| | 2 nd Quarter Expenditures | \$2,763.00 |
| | 3 rd Quarter Expenditures | \$864.00 |
| | 4 th Quarter Expenditures | \$3,126.00 |
| | FY15 Cumulative Total | \$11,303.00 |
| | FY15 Budgeted | \$45,440.00 |
| | Amount Remaining | \$34,137.00 |
| | Percent Remaining | 75.1% |

Area Office Project Management

Project Manager: Hank Harrington, NC-210

Office Engineering

Contract Manager: Kent Perkes, MPCO-225

Field Engineering

Construction Manager: Stephen Holmes, MPCO-320

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

Work Performed:

No onsite work was performed during this period.

Contract No. R15PC00102
Specification No. 20-C0839
Keswick Fish Trap Brail Replacement, Keswick Dam, CA
E.C. Smith, Inc., Anderson, CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 33.1% |
| | Time Elapsed | 39.4% |
| | Work Completed | 33.1% |
| Contractor Earnings | September | \$152,875.00 |
| | Previous | \$0.00 |
| | Total to Date | \$152,875.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$0.00 |
| | 2 nd Quarter Expenditures | \$5,269.00 |
| | 3 rd Quarter Expenditures | \$3,500.00 |
| | 4 th Quarter Expenditures | \$18,724.00 |
| | FY15 Cumulative Total | \$27,493.00 |
| | FY15 Budgeted | \$25,820.00 |
| | Amount Remaining | \$0.00 |
| | Percent Remaining | 0.0% |

Area Office Project Management

Project Manager: Laurie Larson, NC-211

Office Engineering

Contract Manager: Kent Perkes, MPCO-225

Reviewed and processed required submittals.

Processed Progress Payment No. 1 in the amount of \$152,875.00 for worked performed up to September 23, 2015.

Field Engineering

Construction Manager: Brian Wagner, MPCO-300

Number of Contractor Employees: 11

Work Performed

Subcontractor Abacus Construction set up and ran the dewatering system throughout the period. Abacus also began and finished the disassembly and demolition of the Fish Brail. To access work, the contractor installed scaffolding below the structure. Fish brail sections were removed from the pit and hoisted to trailers on crest of the dam and removed from the site for refurbishing or replacement.

Abacus began and finished removal of the fish brail entrance structure in the same manner as the fish brail.

The contractor began and finished removal of the hoist motor, gearbox, motor mounts, sheaves, limit switch box and frame. All of the removed materials were staged on the walkway at elevation 516 feet and were hoisted out of the bay and demobilized from site for refurbishment.

The contractor demobilized the majority of work materials this period. The contractor will return to the site once all materials are refurbished and fabricated.



**Keswick Fish Trap Brail Replacement
Cutting mounts for the telescoping gate below the Brail Inlet**

Contract No. R10PC20025

Specification No. None

**Coleman Fish Hatchery Water Intakes Vegetation Replacement
and Monitoring – Shasta Division, Central Valley Project,
California**

Tehama Environmental Solutions, Inc., Red Bluff, CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 87.9% |
| | Work Completed | 90.2% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$777,278.42 |
| | Total to Date | \$777,278.42 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$404.00 |
| | 2 nd Quarter Expenditures | \$0.00 |
| | 3 rd Quarter Expenditures | \$300.00 |
| | 4 th Quarter Expenditures | \$0.00 |
| | FY15 Cumulative Total | \$704.00 |
| | FY15 Budgeted | \$1,500.00 |
| | Amount Remaining | \$796.00 |
| | Percent Remaining | 53.1% |

Area Office Project Management

Project Manager: Hank Harrington, NC-210

Office Engineering

Contract Manager: Kevin Jacobs, MPCO-214

No invoice was received during this reporting period.

Field Engineering

Construction Manager: Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

Work performed:

The Contractor's current activity consists of maintaining and monitoring vegetation it planted in 2010.

Contract No. R11PC2023S
Specification No. None
Red Bluff Diversion Dam, Fish Passage Improvement Project
Terrestrial Mitigation – Sacramento River Division, Central Valley
Project, California
Tehama Environmental Solutions, Inc., Red Bluff, California

| | | |
|------------------------|--------------------------------------|----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 60.7% |
| | Work Completed | 96.1% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$4,668,227.91 |
| | Total to Date | \$4,668,227.91 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$47,746.00 |
| | 2 nd Quarter Expenditures | \$16,591.00 |
| | 3 rd Quarter Expenditures | \$11,622.00 |
| | 4 th Quarter Expenditures | \$2,653.00 |
| | FY15 Cumulative Total | \$78,612.00 |
| | FY15 Budgeted | \$91,080.00 |
| | Amount Remaining | \$12,468.00 |
| | Percent Remaining | 13.7% |

MPCO noncontract costs include all noncontract costs for all Red Bluff projects.

Area Office Project Management

Project Manager: Hank Harrington, NC-210

Office Engineering

Contract Manager: Kevin Jacobs, MPCO-214

No Invoice was received during the month of September.

Field Engineering

Construction Manager: Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

Work performed:

The Contractor's current activity consists of maintaining and monitoring vegetation it planted in 2010.

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South Central California Area Office

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Contract No. R11PC20185
Specification No. 20-C0778
Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation – Delta Division, Central Valley Project, California
Contra Costa Electric Corp., Martinez, CA

| | | |
|------------------------|--------------------------------------|-----------------|
| Work Performed | September | 3.7% |
| | Time Elapsed | 89.5% |
| | Work Completed | 79.1% |
| Contractor Earnings | September | \$507,286.45 |
| | Previous | \$10,232,157.16 |
| | Total to Date | \$10,739,443.61 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$82,793.00 |
| | 2 nd Quarter Expenditures | \$115,777.00 |
| | 3 rd Quarter Expenditures | \$93,419.00 |
| | 4 th Quarter Expenditures | \$74,612.00 |
| | FY15 Cumulative Total | \$366,601.00 |
| | FY15 Budgeted | \$462,545.00 |
| | Amount Remaining | \$95,944.00 |
| | Percent Remaining | 20.7% |

Area Office Project Management

Project Manager: William Dutton, TO-435

Office Engineering

Contract Manager: Amber Pierce, MPCO-205

This is a design/build contract.

Invoice No. 20 was processed during this period for work performed during the month of August, 2015.

Field Engineering

Field Engineer: Stephen Holmes

Construction Control Representative: David B. Derk

Number of Contractor employees this month: 26

Work Performed:

Completed commissioning of Building 8A including pumps #1 and #4, Building B15, including unit substations. Started outage on pumps #3 and #5 and WAPA transformer KY6A. Completed Mod 0018 demo work of north and south bus structures, demolished old switchgear building, removed panel skins CCA5F and CCA6F. Removed unneeded, unused control cables and power feeders from the tunnel cable trays. Tested control cables from pumping plant to building 6A for panels CP3A and CP5A and terminated all wires. Installed new panel skins CCA5F and CCA6F, and prepared the control cables for both panels for testing and terminating.

Tested installed 15kV cables for unit substations and Input revised relay settings in Building 8A.

Demolished WAPA structures, removed concrete piers, backfilled and graded area. Removed old switchgear building concrete slabs and excavated around conduit penetration to the tunnel and expansion joint to seal areas. Started excavating for building 6A reactor pad and steel column concrete pedestals.

Saw cut old switchgear buildings concrete slab.

Replaced fan motor on building B15 HVAC Unit #1



**Tracy 13.8kV Switchgear/Breaker Replacement
Removal of old switchgear building**

Contract No. R13PC20508
Specification No. 20-C0788
San Luis Demonstration Treatment Plant – San Luis Unit, West
San Joaquin Division, Central Valley Project, California
Slayden Construction Group, Inc., Stayton, OR

| | | |
|------------------------|--------------------------------------|-----------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 100.7% |
| | Work Completed | 92.6% |
| Contractor Earnings | September | \$523,892.64 |
| | Previous | \$22,166,743.11 |
| | Total to Date | \$22,690,635.75 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$82,793.00 |
| | 2 nd Quarter Expenditures | \$92,181.00 |
| | 3 rd Quarter Expenditures | \$72,389.00 |
| | 4 th Quarter Expenditures | \$64,958.00 |
| | FY15 Cumulative Total | \$312,321.00 |
| | FY15 Budgeted | \$357,173.00 |
| | Amount Remaining | \$44,852.00 |
| | Percent Remaining | 12.6% |

Area Office Project Management

Project Manager: Sheryl Carter, SCC-105

Office Engineering

Contract Administrator: Casandra Arthur, MPCO-245

Invoice No. 25 was received and forwarded to Denver finance office for payment. It was not for work completed in this period, but for work completed through August 31, 2015.

Unilateral Modification 0018 was executed on September 10, 2015.

Field Engineering

Onsite Government Representative: Casey Arthur, MPCO-245

Contract Control Representative: Sean Hill, MPCO-328

Number of Contractor Employees: 7

Work performed:

Onsite construction work for Unilateral Modifications 0013 and 0016 continued.

Slayden Construction Group (SCG) performed the following work:

- Modifications to piping in the Advanced Biological Metals Removal piping area including installing new ABE pipe and ROC piping including all necessary fittings, valves and pipe supports.

- Placement of concrete for three equipment pads, one for the new PE tank, and two for the new Plate Settler Feed and ABMet Effluent/Transfer pumps.

- Installation of compressed air line extension to the pretreatment system.

- Placement of the Plate Settler Feed pumps and ABMet Effluent/Transfer pumps and new PE tank.

- Excavation for the completed installation of the 4" ABMet Recycle line in the pretreatment area.

- Installation of pressure transmitters and level control valves on the Bioreactor tanks.

- Installation and connection of the two pneumatically actuated butterfly valves on the 4-inch ABE Return and Recycle lines in the Pretreatment area.

- Modifications to the RO feed piping.

- Installation of antiscalant and HCL skids inside the building.

- Piping installation for sample taps on the ABMet Bioreactors.

- Installation of HCl pump skid at the HCl tank area.

- Modifications to RO permeate piping to connect permeate to the ABMet feed water.

- GE punchlist modifications.

GE Water and Power Field Service Representatives (FSRs) continued equipment inspections on process systems and completing punchlist items to prepare for plant restart.

Gates Fiberglass Installers installed sample taps on each of the four ABMet bioreactor tanks.

Water Dynamics continued backwashing the Advanced Biological Metals Removal (ABMet) System and assisted SCG crew and GE FSRs as necessary with restart activities.

Con J Franke Electrical began electrical work in the ABMet local control panel (LCP) to prepare for new instrument connections and ran conduit and conductors for new pneumatic actuated valves and pumps.



**San Luis Demonstration Treatment Plant
Concrete placement of the equipment pad for the new ABMet tank**



**San Luis Demonstration Treatment Plant
Sample taps installed on ABMet Second Stage bioreactor tanks**



**San Luis Demonstration Treatment Plant
Installation of two new antiscalant skids to feed the ABMet First and Second
Stage bioreactor tanks**



**San Luis Demonstration Treatment Plant
Sample tap piping installed on ABMet Second Stage bioreactor tank**

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Mid-Pacific Regional Office

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Contract No. R14PC00131

Specification No. C0821

**North Fork Screens and Ladders Gate Modulations - Battle Creek
Salmon and Steelhead Restoration Project, California**

Tesco Controls, Inc., Sacramento, CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 100% |
| | Work Completed | 97% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$377,419.13 |
| | Total to Date | \$377,419.13 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$30,662.00 |
| | 2 nd Quarter Expenditures | \$71,155.00 |
| | 3 rd Quarter Expenditures | \$19,950.00 |
| | 4 th Quarter Expenditures | \$16,632.00 |
| | FY15 Cumulative Total | \$138,399.00 |
| | FY15 Budgeted | \$122,930.00 |
| | Amount Remaining | \$0.00 |
| | Percent Remaining | 0.0% |

Area Office Project Management

Project Manager: Mary Marshall, MP-203

Office Engineering

Contract Manager: Kent Perkes, MPCO-225

During this period it was determined that the level sensors will be replaced in a future completion contract.

Field Engineering

Construction Manager: Stephen Homes, MPCO-320

Construction Representative: Jeffrey Kelly, MPCO-322

Number of Contractor Employees: 0

Work Performed

No on-site work was performed during this period.

Contract No. R15PC00050
Specification No. CO829
Safety and Facility Access Improvements - Hydropower Facility
Modifications - Battle Creek Salmon and Steelhead Restoration
Project, CA
Titan/Meyers JV, Redding, CA

| | | |
|------------------------|--------------------------------------|--------------|
| Work Performed | September | 0.0% |
| | Time Elapsed | 52.0% |
| | Work Completed | 0.0% |
| Contractor Earnings | September | \$0.00 |
| | Previous | \$0.00 |
| | Total to Date | \$0.00 |
| MPCO Noncontract Costs | 1 st Quarter Expenditures | \$3,284.00 |
| | 2 nd Quarter Expenditures | \$2,250.00 |
| | 3 rd Quarter Expenditures | \$21,709.00 |
| | 4 th Quarter Expenditures | \$85,672.00 |
| | FY15 Cumulative Total | \$112,915.00 |
| | FY15 Budgeted | \$105,100.00 |
| | Amount Remaining | \$0.00 |
| | Percent Remaining | 0.0% |

Area Office Project Management

Project Manager: Mary Marshall, MP-203

Office Engineering

Contract Manager: Kent Perkes, MPCO-225

Reviewed and processed required submittals

Field Engineering

Construction Manager: Stephen Holmes, MPCO-320

Construction Representative: Jeffrey Kelly, MPCO-322

Number of Contractor Employees: 17

Work Performed

Tools and equipment were mobilized and demobilized as necessary. The contractor then began to demobilize all of the water removal tanks and equipment and, most other heavy equipment. Some heavy equipment remained to perform the excavation and grading work. Only the fire suppression equipment and one front loader remained onsite at the end of the month.

Operators worked to grade the area surrounding the upper jump basin. The JD 210LE float tractor was used to perform this work. The upper and lower staircase landings and slope were excavated with the CAT 420F backhoe.

The concrete upper and lower staircase landings, access walkway, Eagle Canyon Canal equipment ramp extension and the operator access slab at the waste-way were completed during this period. Operators worked to finish the placement of the 4-inch gravel surfacing at the upper jump basin. The Kawasaki loader worked to place and spread the gravel surfacing around the upper jump basin. The JD 210 float tractor was used to spread and grade the material. The CAT CB56 smooth drum roller was used to compact the gravel surfacing. The grade setter verified elevation and grading.

Work was conducted to install the 4/0AWG copper grounding ring at the waste-way operator slab. The cable was cad-welded to the existing tail in the waste-way wall. The ring was completed with a T-connection and a tail and the grounding plate were also installed.

The installation of the delineators and reflective plates and stickers was completed during this period. A 185 cfm air compressor with a post driver was used to drive the delineators into the bank of the access road 2-0' off of the gravel surfacing. The posts were driven 2-0' into the ground or until refusal. The delineators were installed at the locations and stations on the drawings, with minor adjustments made that will be noted on the as-built drawings.

The crew removed, modified and installed the waste-way structure trashrack from the. The safety plan was followed and the 10 bolts holding the trashrack down were removed. The Kawasaki 65 loader was used to remove the section of the trashrack and load it onto a trailer to be taken off site for the modification and galvanizing. The trash rack was then re-installed, with the original anchors utilized.

A technician from AVS was onsite to install the slide gate control covers. This work was conducted according to the contract drawings and the Contractor's RSN. Slide gate control covers were installed on Tailrace Outlet Transition Gate No. 2, Tailrace Structure Gate No. 3, Tailrace Structure Gate No. 4, and Overflow Waste-way Structure Gate No. 1.

The crew worked to install the coated barrier posts. Operators used the CAT 247B skid steer with auger attachment to excavate the post holes. The coated posts were then set and temporary framing and kicker boards were set to hold the posts in position during the grout placement. Nine cubic yards of 4,000 psi mix of 3/8-inch gravel and 6.8 sack cement was provided by

Shasta Readymix. The load also contained a dosage of “Recover” a set retarding admixture. The grout mix was tail gated and shoveled into the barrier posts and post holes. The grout was float finished around the base and the crown of the post. The ¾-inch white reflective strips were installed at four inches and seven inches below the top of the barrier post, as shown on the contract drawing.

The crew from McEntire Landscaping was onsite to perform the hydro-seeding. Seeding was applied to the disturbed areas identified by the contractor’s QSD. This was followed by two applications of the mulch and mycorrhizal inoculum. The security enclosure for the Inskip powerhouse was installed during this period. The control panel CBA was removed and then the security enclosure was installed. Control panel CBA was then re-installed inside of the security enclosure.



**Safety and Facility Access Improvements - Battle Creek Salmon and Steelhead
Restoration
Seeding near the access ramp into Coleman Canal**

Contracts in Warranty Status

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R09PC20R03 20-C0677 Transformer K1A and K2A Replacements, Folsom Power Plant: There was no Office Engineering administrative activity this period. 5-year warranty for K1A extends to January 30, 2016, and that for K2A extends to January 4, 2017.

R10PC20767 20-C0703 Folsom Power Plant U1, U2, and U3 Replacement Runners: There was no Office Engineering administrative activity during this period. 2-year warranty period began January 28, 2015 and will end January 27, 2017

R13PC20143 20-C0803 North Battle Creek Feeder Dam Access Road Completion
There was no Office Engineering administrative activity during this period. 1-year warranty period began March 3, 2015 and will end March 2, 2016

R13PC20105 20-C0813 Tracy Fish Collecting Facilities, Secondary Louver Replacement: There was no Office Engineering administrative activity period 1-year warranty period began September 25, 2014 and ended September 24, 2015

R14PC00066 No Spec No. Red Bluff Well Enhancement:
There was no Office Engineering administrative activity this period
1-year warranty period began December 9, 2014 and will end December 8, 2015

R14PC00136 20-C0795 Folsom Dam Civil Maintenance Shops – Building Demolition: There was no Office Engineering administrative activity during this period. 1-year warranty period began March 20, 2015 and will end March 20, 2016.

R14PC00138 No Spec. No. Pivot Gate System, Klamath Basin Area Office:
There was no Office Engineering administrative activity during this period. 1-year warranty period began May 8, 2015 and will end May 7, 2016.

R14PC00083 20-C0823 Marble Bluff Dam, Asphalt Pavement Rehabilitation:
There was no Office Engineering administrative activity during this period. 1-year warranty period began May 26, 2015 and will end May 27, 2016.

R14PC20096 20-C0816 P&H Building Temporary Retrofit, Tracy Fish Collecting Facility: There was no Office Engineering administrative activity during this period. 1-year warranty period began August 4, 2015 and will end August 5, 2016.