

# 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  
Mid-Pacific Construction Office

September 2017

*(This Page Intentionally Left Blank)*

# CONSTRUCTION PROGRESS REPORT (L-29)

## MID-PACIFIC CONSTRUCTION OFFICE

### MID-PACIFIC REGION

### SEPTEMBER 2017

## TABLE OF CONTENTS

| TITLE  | PAGE      |         |
|--|-----------|---------|
| LOCATION MAP .....   | i         |         |
| STAFFING .....   | ii        |         |
| GLOSSARY OF TERMS .....  | iii       |         |
| CONTRACT/SPECS OR P.O. NO., CONTRACTOR, AND CONTRACT NAME  | PAGE NO.  | MAP NO. |
| <b>Central California Area Office</b> .....  | <b>1</b>  |         |
| R10PC20019.....20-C0689.....Andritz Hydro.....   | 3         | 1       |
| Folsom Power Plant Generators U1, U2, and U3 Rewind and Excitation System Replacement – Folsom Unit, American River Division, Central Valley Project, California |           |         |
| R14PC00096.....20-C0816.....Alltech Engineering Corporation.....   | 4         | 1       |
| Nimbus Dam Radial Gate Repairs, Phase III - Nimbus Dam, American River Division, Central Valley Project, California  |           |         |
| R16PC00075.....20-C0838.....Cal Electro, Inc.....  | 6         | 1       |
| Folsom UHA Switchgear Replacement – Folsom Unit, American River Division, Central Valley Project, California   |           |         |
| R16PC00113.....20-C0858.....Sapper West, Inc.....  | 7         | 1       |
| Folsom Dam Municipal and Industrial Temperature Control Device Safety Measures - Folsom Unit, American River Division, Central Valley Project, California        |           |         |
| R17PC00100.....None.....Harrison Western Construction Corporation.....   | 8         | 1       |
| Folsom Dam Auxiliary Spillway American River Phase V – Right Bank Stabilization, Folsom Unit, American River Division, Central Valley Project, California        |           |         |
| R17PC00139.....None.....Site Work Solutions Inc.....   | 9         | 1       |
| Folsom Aggregate Structure Demolition, Removal & Disposal - Folsom Unit, American River Division, Central Valley Project, California                             |           |         |
| <b>Klamath Basin Area Office</b> .....   | <b>11</b> |         |
| R17PC00083.....None.....Coleman Environmental Engineering, Inc.....  | 13        | 2       |
| Tule Lake Road Improvement Phase 2- Klamath Project, Oregon - California   |           |         |
| <b>Lahontan Basin Area Office</b> .....  | <b>15</b> |         |
| R16PC00062.....20-C0850.....NW Constructors, Inc.....  | 17        | 3       |
| Stampede Dam, Dam Safety Modifications - Stampede Division, Washoe Project, Nevada-California  |           |         |

*(This Page Intentionally Left Blank)*

R17PC00063.....20-C0860.....Diana Prince Construction, Inc.....22.....4  
Marble Bluff Dam and Fish Passage Facility Radial Gate Rehabilitation – Washoe Project,  
Nevada-California

R17PC00067.....None.....Sentinel Builders LLC.....24.....5  
Lahontan Dam Rated Vehicle Barrier System - Lahontan Basin Area Office,  
Newlands Project, Fallon, Nevada

**Northern California Area Office.....25**

R15PC00150.....20-C0824.....BCI Construction USA, Inc.....27.....6  
Trinity Dam Intake Mechanical Equipment Refurbishment/Gate Shaft Refurbishing,  
Phase I – Trinity River Division, Central Valley Project, California

R15PC00089.....20-C0831.....Contractor Services Group, Inc.....28.....7  
Intake 3 Screen Extension, Coleman National Fish Hatchery - Shasta Division, Central Valley  
Project, California

R16PC00006.....20-C0841.....Voith Hydro, Inc.....29.....6  
Trinity Powerplant Generator Rewinds - Trinity River Division, Central Valley Project,  
California

R17PC00029.....20-C0847.....Gardner Zemke.....31.....6  
Trinity River Division Powerplants Replacement of Station Service Transformers  
and Low Voltage Bus System – Trinity River Division, Central Valley Project, California

R16PC00134.....20-C0852.....BCI Construction USA, Inc.....32.....8  
Whiskeytown Lake, Spring Creek Temperature Control Curtain - Trinity River Division,  
Central Valley Project, California

R17PC00092.....None.....Purgatory Fence Company, Inc.....36.....6  
Install K12 Rated Vehicle Barriers at Keswick, Shasta and Trinity Power Plants  
Shasta and Trinity Division, Central Valley Project, California

**South-Central California Area Office.....37**

**San Joaquin River Restoration Program.....41**

R16PC00110.....20-C0853.....BCI Construction USA, Inc.....43.....9  
Madera Canal Headworks Low-Flow Valve – San Joaquin River Restoration Program,  
Friant Division, Central Valley Project, California

**Mid-Pacific Regional Office.....45**

R16PC00091.....20-C0843.....TNT Industrial Contractors, Inc.....47.....11  
North Fork Screens and Ladders Completion Contract - Battle Creek Salmon and  
Steelhead Restoration Project, California

*(This Page Intentionally Left Blank)*

|  |           |
|--|-----------|
| <b>Contracts in Warranty Status</b>  | <b>51</b> |
| R11PC20185.....20-C0778.....   | 53        |
| Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation,<br>Delta Division, Central Valley Project, California            |           |
| R13PC20159.....20-C0819.....GD Nielson Construction, Inc.....  | 53        |
| Lake Berryessa Concessions Areas Improvements – Lake Berryessa, Solano Project,<br>California  |           |
| R16PC00079.....20-C0851.....E.C. Smith, Inc.....   | 53        |
| Red Bluff Flap Gate Retrofit - Sacramento Canals Unit, Sacramento River Division,<br>Central Valley Project, California                            |           |
| R17PC00022.....20-C0857.....Salter and Sons Construction.....  | 53        |
| Western Tracy Switchyard, Chain Link Fence Project - Tracy Pumping Plant and Substation,<br>Delta Division, Central Valley Project, California     |           |
| R11PC2023S.....None.....Tehama Environmental Solutions, Inc.....   | 53        |
| Red Bluff Diversion Dam, Fish Passage Improvement Project Terrestrial Mitigation,<br>Sacramento River Division, Central Valley Project, California |           |
| R16PC00099.....None.....Chigosi Company.....   | 53        |
| Folsom Resource Building – Folsom Unit, American River Division,<br>Central Valley Project, California   |           |
| R16PC00100.....None.....Construction Solutions Group, LLC.....   | 53        |
| Lake Woollomes Recreation Area Asphalt Replacement - Central Valley Project, California  |           |
| R15PC00080.....20-C0836.....Andrews Contracting Services, LLC.....   | 53        |
| Klamath Basin Area Office Sewer Lift Station - Klamath Basin Area Office, Klamath Falls,<br>Oregon   |           |
| R16PC00111.....20-C0855.....BCI Construction USA, Inc.....   | 53        |
| San Joaquin Hatchery Water Supply Pipeline – San Joaquin River Restoration Program,<br>Friant Division, Central Valley Project, California         |           |
| <b>Lab Reports</b>   | <b>55</b> |
| Stampede Safety of Dams Project Lab Reports.....   | 57        |
| North Fork Screens and Ladders Completion Contract Lab Reports.....  | 59        |

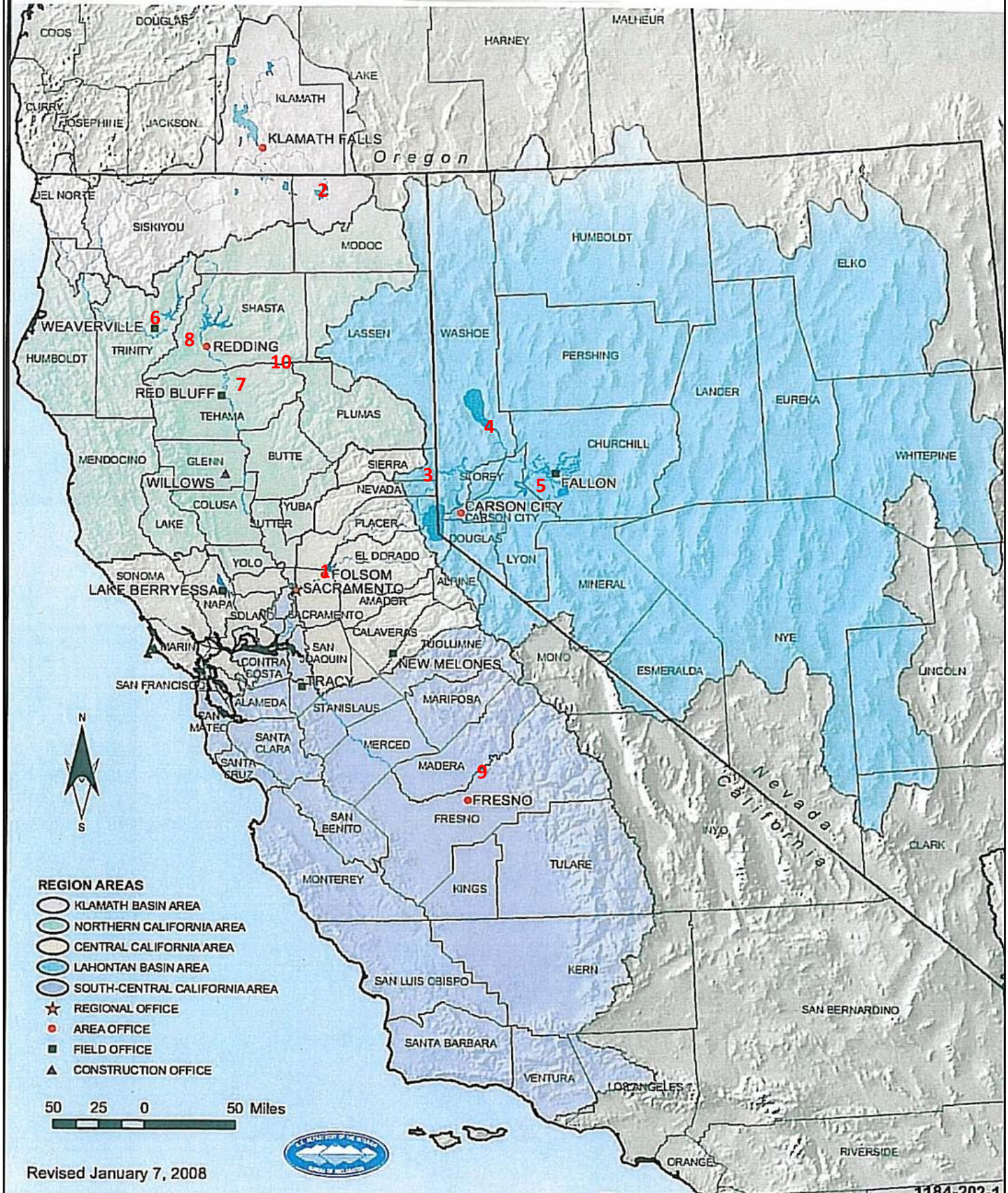
*(This Page Intentionally Left Blank)*



# Areas in the Mid-Pacific Region Where Work was Performed

## Mid-Pacific Region

**RECLAMATION**  
Managing Water in the West





*(This Page Intentionally Left Blank)*

# **STAFFING**

## **MID-PACIFIC CONSTRUCTION OFFICE**

The Mid-Pacific Construction Office had 34 construction and administrative employees at the close of this month as follows:

|  |    |
|--|----|
| Construction Engineer's Office.....        | 1  |
| Preaward and Project Management Group..... | 3  |
| Administrative Management.....             | 6  |
| Division of Field Engineering.....         | 17 |
| Division of Office Engineering.....        | 4  |
| Materials Lab Branch.....                  | 3  |

*(This Page Intentionally Left Blank)*

# GLOSSARY

## 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       |
| SCCAO   | South Central California Area Office  |
| SJRRP   | San Joaquin River Restoration Program |
| TO      | Tracy Office                          |

*(This Page Intentionally Left Blank)*

# **Central California Area Office**

*(This Page Intentionally Left Blank)*



**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, Charlotte, NC**

|                        |                                      |                 |
|------------------------|--------------------------------------|-----------------|
| Work Performed         | September                            | 0.0%            |
|                        | Time Elapsed                         | 100.0%          |
|                        | Work Completed                       | 100.0%          |
| Contractor Earnings    | September                            | \$0.00          |
|                        | Previous                             | \$20,610,792.74 |
|                        | Total to Date                        | \$20,610,792.74 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$16,398.00     |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$13,405.00     |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$7,472.00      |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$5,384.00      |
|                        | FY17 Cumulative Total                | \$42,659.00     |
|                        | FY17 Budgeted                        | \$44,435.00     |
|                        | Amount Remaining                     | \$1,776.00      |
|                        | Percent Remaining                    | 4%              |

**Area Office Project Management**

Project Manager: Jonathan Rogado, MP-250

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Before contract completion the following work will be performed:

Acceptance testing for Unit 3.

Remaining warranty inspections for Units 1, 2, and 3.

Final submittals (including As-built Drawings and O&M Manuals).

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314.

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

**Contract No. R14PC00096**  
**Specification No. 20-C0816**  
**Nimbus Dam Radial Gate Repairs, Phase III – Nimbus Dam,**  
**American River Division, Central Valley Project, California**  
**Alltech Engineering Corporation, Mendota Heights, MN**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 2.9%           |
|                        | Time Elapsed                         | 97.4%          |
|                        | Work Completed                       | 67.3%          |
| Contractor Earnings    | September                            | \$423,129.66   |
|                        | Previous                             | \$9,299,485.95 |
|                        | Total to Date                        | \$9,722,615.61 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$67,874.00    |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$36,899.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$74,971.00    |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$91,342.00    |
|                        | FY17 Cumulative Total                | \$271,086.00   |
|                        | FY17 Budgeted                        | \$370,100.00   |
|                        | Amount Remaining                     | \$99,014.00    |
|                        | Percent Remaining                    | 26.8%          |

**Area Office Project Management**

Project Manager: Jonathan Rogado, MP-250

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Invoice No. 26, in the amount of \$423,129.66 for work performed from August 1, 2017 to August 31, 2017, was received this reporting period.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Michael Manlick, MPCO-313

Number of Contractor Employees: 14

**Work Performed**

All weld pit repairs were made on Gate 6, and five nuts and bolts were replaced. Expanded metal lath was tacked on to the face of Gate 6 and was made ready to receive the wear pad compound. Soluble salt tests and profile checks were also performed on the Gate. Three coats of epoxy were applied to the upstream face and two coats were applied to the downstream side of the Gate 6 structure, along with a UV resistant top coat. The Gate 6 shoes and seal clamp bars were abrasive blasted and coated. All of the coatings thicknesses were within the contract

specifications. Caulking/filler was used to bridge gaps and seams then stripe coating was applied. The wearing compound was applied to the expanded metal lath on the upstream side of Gate 6. Discontinuity testing (spark test) was performed and the coating was applied to several small pinholes.

Poly-wrap containment was removed and HEPA vacuums collected the dust and grit for proper disposal. Coating work was completed, tested, inspected, and confirmed to be in accordance with the specifications on Gate 6. The scaffolding was then removed. Non-shrink mortar was used to fill the scaffolding anchor holes in the concrete spillway.

The new gate seal and clamp bars were installed and properly tensioned on Gate 6. Gate shoes and new shims were also installed. Gate 6 was removed from the temporary stands. The new bushings were installed in the refurbished lifting bracket eyes; and new equalizer bars, links, and pins were installed and attached to the new wire ropes. Gate 6 was cycled open and closed. The cathodic protection system was installed and tested. Seepage from the new gate seal was found to be minimal.

The bulkhead was moved from Gate 6 to Gate 5. Pier braces were installed in the Gate 5 chamber. Gate seals, clamp bars, and lifting link assemblies were removed from Gate 5. Lifting bracket eyes were honed and measured. The temporary link assemblies were installed and Gate 5 was placed on stands. All guide shoe, shim, bolt hole, and gate measurements were taken for Gate 5. The existing wire ropes were removed and replaced on Gate 5 with the Government supplied ropes.

Alltech also completed raising the handrails on the downstream side of the Power Plant. All of the rails have now been raised with only the coating operation remaining to finish this task.

**Contract No. R16PC00075**  
**Specification No. 20-C0838**  
**Folsom UHA Switchgear Replacement – Folsom Unit, American**  
**River Division, Central Valley Project, California**  
**Cal Electro, Inc., Redding, CA**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 0.0%           |
|                        | Time Elapsed                         | 89.2%          |
|                        | Work Completed                       | 84.5%          |
| Contractor Earnings    | September                            | \$0.00         |
|                        | Previous                             | \$2,674,087.22 |
|                        | Total to Date                        | \$2,674,087.22 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$47,610.00    |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$80,006.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$130,639.00   |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$97,656.00    |
|                        | FY17 Cumulative Total                | \$355,911.00   |
|                        | FY17 Budgeted                        | \$377,475.00   |
|                        | Amount Remaining                     | \$21,564.00    |
|                        | Percent Remaining                    | 5.71%          |

**Area Office Project Management**

Project Manager: Vanhue Ly, CC-614

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Modification No. 0004 was executed this month which extended the contract completion date by 103 days. The contract completion date is now November 11, 2017.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Sean Frische, MPCO-317

Number of Contractor Employees: 3

**Work Performed**

Reclamation purchased a temporary switchgear. The equipment is staged in the switchyard parking lot awaiting relocation. The final anchoring of the prefabricated control building to the concrete slab is still being addressed by the building manufacturer. The contractor completed cleaning up the site and demobilizing their tools and equipment that are not needed for the cable replacement modification. The contractor continues to address the punch list items.

**Contract No. R16PC00113**  
**Specification No. 20-C0858**  
**Folsom Dam Municipal and Industrial Temperature Control**  
**Device Safety Measures, Folsom Unit, American River Division,**  
**Central Valley Project, California**  
**Sapper West, Inc., Sacramento, CA**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 0%          |
|                        | Time Elapsed                         | 81%         |
|                        | Work Completed                       | 21%         |
| Contractor Earnings    | September                            | \$0.00      |
|                        | Previous                             | \$63,021.24 |
|                        | Total to Date                        | \$63,021.24 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$14,891.00 |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$1,173.00  |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$292.00    |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$0.00      |
|                        | FY17 Cumulative Total                | \$16,356.00 |
|                        | FY17 Budgeted                        | \$26,680.00 |
|                        | Amount Remaining                     | \$10,324.00 |
|                        | Percent Remaining                    | 38.7%       |

**Area Office Project Management**

Project Manager: Brian Zewe, CC-612

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

**Contract No. R17PC00100****Specification No. None****Folsom Dam Auxiliary Spillway American River Phase V – Right Bank Stabilization, Folsom Unit, American River Division, Central Valley Project, California****Harrison Western Construction Corporation, Lakewood, CO**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 0%          |
|                        | Time Elapsed                         | 10%         |
|                        | Work Completed                       | 0%          |
| Contractor Earnings    | September                            | \$0.00      |
|                        | Previous                             | \$0.00      |
|                        | Total to Date                        | \$0.00      |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$0.00      |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$0.00      |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$14,458.00 |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$34,911.00 |
|                        | FY17 Cumulative Total                | \$49,369.00 |
|                        | FY17 Budgeted                        | \$84,895.00 |
|                        | Amount Remaining                     | \$35,526.00 |
|                        | Percent Remaining                    | 41.9%       |

**Area Office Project Management**

Project Manager: Kyle Keer, CC-108

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

Modification No. 001 – Remove Contract Document Management System Requirements, was executed September 22, 2017, at no additional cost to the Government.

This contract was awarded on August 29, 2017, to Harrison Western Construction Corporation in the amount of \$1,333,200.00.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Ben Richburg, MPCO-318

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

**Contract No. R17PC00139**  
**Specification No. None**  
**Folsom Aggregate Structure Demolition, Removal & Disposal -**  
**Folsom Unit, American River Division, Central Valley Project,**  
**California**  
**Site Work Solutions Inc., Redding, CA**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 0%          |
|                        | Time Elapsed                         | 5%          |
|                        | Work Completed                       | 0%          |
| Contractor Earnings    | September                            | \$0.00      |
|                        | Previous                             | \$0.00      |
|                        | Total to Date                        | \$0.00      |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$0.00      |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$0.00      |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$0.00      |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$13,076.00 |
|                        | FY17 Cumulative Total                | \$13,076.00 |
|                        | FY17 Budgeted                        | \$23,560.00 |
|                        | Amount Remaining                     | \$10,484.00 |
|                        | Percent Remaining                    | 44.5%       |

**Area Office Project Management**

Project Manager: Mark Lewis, CC-641

**Office Engineering**

Contract Manager: Madelyn Giles, MPCO-230

This contract was awarded on September 18, 2017, to Site Work Solutions Inc., in the amount of \$403,815.00.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Ben Richburg, MPCO-318

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

*(This Page Intentionally Left Blank)*



# **Klamath Basin Area Office**

*(This Page Intentionally Left Blank)*

**Contract No. R17PC00083**

**Specification No. None**

**Tule Lake Road Improvement Phase 2- Klamath Project, Oregon - California**

**Coleman Environmental Engineering, Inc., Upper Lake, CA**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 0.0%        |
|                        | Time Elapsed                         | 13.3%       |
|                        | Work Completed                       | 0%          |
| Contractor Earnings    | September                            | \$0.00      |
|                        | Previous                             | \$0.00      |
|                        | Total to Date                        | \$ 0.00     |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$0.00      |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$932.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$5,130.00  |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$7,202.00  |
|                        | FY17 Cumulative Total                | \$13,264.00 |
|                        | FY17 Budgeted                        | \$15,660.00 |
|                        | Amount Remaining                     | \$2,396.00  |
|                        | Percent Remaining                    | 15.3%       |

**Area Office Project Management**

Project Manager: Mike Green, KO-400

**Office Engineering**

Contract Management: Amber Pierce, MPCO-205

This contract was awarded to Coleman Environmental Engineering Inc. on August 15, 2017, in the amount of \$665,695.69.

**Field Engineering**

Field Engineer: Brian Wagner, MPCO-300

Onsite Government Representative: Russell Davies, MPCO-341.

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

*(This Page Intentionally Left Blank)*

# **Lahontan Basin Area Office**

*(This Page Intentionally Left Blank)*

**Contract No. R16PC00062**  
**Specification No. 20-C0850**  
**Stampede Dam, Dam Safety Modifications - Stampede Division,**  
**Washoe Project, Nevada-California**  
**NW Constructors, Inc., Bozeman, MT**

|                        |                                      |                 |
|------------------------|--------------------------------------|-----------------|
| Work Performed         | September                            | 14%             |
|                        | Time Elapsed                         | 57.0%           |
|                        | Work Completed                       | 54.1%           |
| Contractor Earnings    | September                            | \$3,160,374.68  |
|                        | Previous                             | \$9,224,003.98  |
|                        | Total to Date                        | \$12,384,378.66 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$167,472.00    |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$106,414.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$314,142.00    |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$368,495.00    |
|                        | FY17 Cumulative Total                | \$956,523.00    |
|                        | FY17 Budgeted                        | \$1,078,585.00  |
|                        | Amount Remaining                     | \$122,062.00    |
|                        | Percent Remaining                    | 11.3%           |

**Area Office Project Management**

Project Manager: Todd Hill, MP-240

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

Invoice No. 11, in the amount of \$3,160,374.68, for work performed from August 1, 2017 to August 31, 2017, was received this reporting period.

Modification No. 0016 - Dog Valley Road Work, was executed September 13, 2017, in the amount of \$435,000.00.

**Field Engineering**

Construction Manager: Kyle Hughes, MPCO-324

Construction Representative: Zahid Wazid, MPCO-349; Sean Hill, MPCO-328,  
Dennis Schuenemann, MPCO-338; Mike Hiebert, TSC-86-68130

Number of Contractor Employees: 44

**Work Performed**

NW Construction finished installing the Mechanically Stabilized Earth (MSE) wall panels for the dike section between stations 24+55 to 9+05. The sixth course of panels were also installed this month. The MSE installation process consisted of panel installation, installing tie strap at each

elevation, installing geotextile at panel joints, and backfilling with Zone 2A and Zone 2B material. The Zone 2A (2-inch minus processed backfill) was completed from elevation 5979-ft to 5985-ft, and the Zone 2B (filter sand) backfill was completed to elevation 5981.5-ft. The last lift of Zone 2A backfill is still to be completed. NW Construction started staining the bottom course of the MSE panel on the dike. NW Construction installed the cobble drain on the downstream side of the dike MSE wall after constructing the O&M road. The process consisted of installing geotextile installation and cobble backfill.

NW Construction continued installing MSE wall panels for the dam section between stations 37+40 to 52+60, and are approximately 62 percent complete with the MSE panel installation. The fourth course of panels was installed this month, and the fifth course was started. The Zone 2A and Zone 2B backfill was completed from elevation 5976-ft to 5978.6-ft.

Subcontractor Syblon Reid (SRC) finished stripping the formwork and patching for the 1st spillway wall lift and counterfort walls. SRC finished setting the falsework for the bridge deck. NW Construction started and finished backfilling Zone 1 backfill material on either side of the spillway from elevation 5943.5-ft to 5963.0-ft. Camblin Steel started and finished installing the reinforcement bars for the 2nd lift for the spillway wall, counterforts, headwall, and bridge beam. Syblon Reid started forming for the 2nd spillway wall lift between stations 4+77.75 and 5+15.00 from elevation 5965.5-ft to 5984.25.

Green Vista Landscape started installing the two different species of sedge plant species in the new wetland area. They also seeded the specified seeds and covered the wetland slope with biodegradable erosion control blankets.

Subcontractor Diversified Contractors started cutting the fence post blocks on the east (left) side of the spillway chute. The joint preparation along with the dowels installation and concrete placement still need to be completed on the left side.





**Stampede Dam, Dam Safety Modifications  
The O&M road being constructed.**



**Stampede Dam, Dam Safety Modifications**  
**A view of the Fourth Course of MSE wall on the dam.**





**Stampede Dam, Dam Safety Modifications  
A view of the second wall lift at the spillway.**

**Contract No. R17PC00063**  
**Specification No. 20-C0860**  
**Marble Bluff Dam and Fish Passage Facility Radial Gate**  
**Rehabilitation - Washoe Project, Nevada-California**  
**Diana Prince Construction, Inc., Irvine, CA**

|                        |                                      |              |
|------------------------|--------------------------------------|--------------|
| Work Performed         | September                            | 0.0%         |
|                        | Time Elapsed                         | 20.0%        |
|                        | Work Completed                       | 3.6%         |
| Contractor Earnings    | September                            | \$0.00       |
|                        | Previous                             | \$100,235.64 |
|                        | Total to Date                        | \$100,235.64 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$1,405.00   |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$741.00     |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$10,442.00  |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$57,945.00  |
|                        | FY17 Cumulative Total                | \$70,533.00  |
|                        | FY17 Budgeted                        | \$68,990.00  |
|                        | Amount Remaining                     | \$0.00       |
|                        | Percent Remaining                    | 0.0%         |

**Area Office Project Management**

Project Manager: Steven Sprague, LO-470

**Office Engineering**

Contract Administrator: Madelyn Giles, MPCO-230

**Field Engineering**

Construction Engineer: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314, Michael Manlick, MPCO-313

Number of Contractor Employees: 7

**Work Performed**

Diana Prince Construction and their subcontractor Abhe & Svododa mobilized to the site on September 18, 2017. A pre-construction safety meeting was conducted, attended by the contractor's employees, Mid Pacific Construction Office representatives, and engineers from the Lahontan Basin Area Office.

Two transports delivered materials and equipment that will be used to perform abrasive blasting on the gates. Down time during mobilization was utilized as the crew removed all of the chain link fencing from the railings that will receive new coatings. The existing rails were examined and measured to determine material needs and required prep work.

The facility's overhead hoist raised the fish "elevator" framework assembly out of the concrete lock structure; and then rolled it out, over the catwalk, and then set it down on wood cribbing. The hoist's hook and the sheave grease lines were then removed from the top of the framework.

Preliminary work was performed in preparation for abrasive blasting of the fish lock false floor and frame. The brush assembly and casters were removed and stored for future attachment following the application of coatings. The crew began assembly of the scaffolding surrounding the fish lock false floor and frame; making modifications to the scaffolding per the direction of the Diana Prince engineer.

A steel plate with a rubber gasket was installed over the 24-inch discharge pipe to prevent backflow into the lock and entry channel. Modifications had to be made to the pipe to ensure a proper seal. Electric water pumps were used to expel water in the fish lock and entrance channel in order to remove slide Gate 10, and clean and prep the 24-inch drain pipe.

The pumps lowered the water level in the lock and allowed the workers access to remove slide Gate 10. When assessing the task of removing slide Gate 10, it was determined that concrete immediately above the gate would also necessitate the removal of the gate's frame. They examined the bolts that hold the frame in-place, these bolts appear to be in good condition.

The water level did not reach the point that would allow preparation of the 24-inch steel pipe.

**Contract No. R17PC00067**  
**Specification No. None**  
**Lahontan Dam Rated Vehicle Barrier System - Newlands Project,**  
**Fallon, Nevada**  
**Sentinel Builders LCC, Sparks NV**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 2.5%        |
|                        | Time Elapsed                         | 86.0%       |
|                        | Work Completed                       | 2.5%        |
| Contractor Earnings    | September                            | \$3,664.00  |
|                        | Previous                             | \$0.00      |
|                        | Total to Date                        | \$0.00      |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$0.00      |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$292.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$1,456.00  |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$9,970.00  |
|                        | FY17 Cumulative Total                | \$11,718.00 |
|                        | FY17 Budgeted                        | \$25,265.00 |
|                        | Amount Remaining                     | \$13,547.00 |
|                        | Percent Remaining                    | 53.6%       |

**Area Office Project Management**

Project Manager: Scott Schoenfeld, LO-410

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

This contract was awarded on June 1, 2017 in the amount of \$146,535.00.

Invoice number 1 in the amount of \$3,664.00 was received this reporting period covering the period from June 21, 2017 to September 15, 2017.

**Field Engineering**

Construction Engineer: Reynaldo Garcia, MPCO-310

Construction Representative: Reynaldo Garcia, MPCO-310

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this reporting period.

# **Northern California Area Office**

*(This Page Intentionally Left Blank)*



**Contract No. R15PC00150**  
**Specification No. 20-C0824**  
**Trinity Dam Intake Mechanical Equipment Refurbishment/Gate**  
**Shaft Refurbishing, Phase I - Trinity River Division, Central Valley**  
**Project, California**  
**BCI Construction USA, Inc., Belleville, IL**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 0.0%           |
|                        | Time Elapsed                         | 92.0%          |
|                        | Work Completed                       | 99.0%          |
| Contractor Earnings    | September                            | \$0.00         |
|                        | Previous                             | \$2,626,778.50 |
|                        | Total to Date                        | \$2,626,778.50 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$49,423.00    |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$6,413.00     |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$6,327.00     |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$3,749.00     |
|                        | FY17 Cumulative Total                | \$65,912.00    |
|                        | FY17 Budgeted                        | \$70,415.00    |
|                        | Amount Remaining                     | \$4,503.00     |
|                        | Percent Remaining                    | 6.39%          |

**Area Office Project Management**

Project Manager: Robert Gee, NC-230

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Jason Foust, MPCO-325

Number of Contractor Employees: 1

**Work Performed**

Data collection for monthly monitoring report.

**Contract No. R15PC00089**  
**Specification No. 20-C0831**  
**Intake 3 Screen Extension, Coleman National Fish Hatchery,**  
**Shasta Division, Central Valley Project, California**  
**Contractor Services Group, Inc., West Sacramento, CA**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 0.0%           |
|                        | Time Elapsed                         | 98.0%          |
|                        | Work Completed                       | 90.0%          |
| Contractor Earnings    | September                            | \$0.00         |
|                        | Previous                             | \$1,815,088.05 |
|                        | Total to Date                        | \$1,815,088.05 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$40,977.00    |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$14,648.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$19,919.00    |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$31,726.00    |
|                        | FY17 Cumulative Total                | \$107,270.00   |
|                        | FY17 Budgeted                        | \$109,885.00   |
|                        | Amount Remaining                     | \$2,615.00     |
|                        | Percent Remaining                    | 2.38%          |

**Area Office Project Management**

Project Manager: Hank Harrington, NC-210

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

**Contract No. R16PC00006**  
**Specification No. 20-C0841**  
**Trinity Powerplant Generator Rewinds - Trinity River Division,**  
**Central Valley Project, California**  
**Voith Hydro, Inc., York, PA**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 0.0%           |
|                        | Time Elapsed                         | 69.0%          |
|                        | Work Completed                       | 57.3%          |
| Contractor Earnings    | September                            | \$0.00         |
|                        | Previous                             | \$7,635,407.29 |
|                        | Total to Date                        | \$7,635,407.29 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$128,076.00   |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$170,876.00   |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$53,748.00    |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$48,109.00    |
|                        | FY17 Cumulative Total                | \$400,809.00   |
|                        | FY17 Budgeted                        | \$393,775.00   |
|                        | Amount Remaining                     | \$0.00         |
|                        | Percent Remaining                    | 0.0%           |

**Area Office Project Management**

Project Manager: Joe Ascoli, NC-650

**Office Engineering**

Contract Administrator: Madelyn Gyles, MPCO-230

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 8

**Work Performed**

Bureau of Reclamation (BOR) removed the rotor from the stator on September 13. Subcontractor Northwest Metrology used a FARO laser to collect data for the rotor roundness and pole heights. All 36 rotor poles were removed and temporarily crated during this period. Non-destructive testing will be conducted next month prior to the poles being shipped to the Voith factory for refurbishment. Issues with the amortisseur winding are obvious on each of the poles, as all of them have discoloration to the coatings, caused by overheating and several have areas of arcing resulting in molten steel. The Denver Technical Service Center (TSC) was notified and local documentation was taken and sent to the TSC.

The Voith crew started removal of the armature windings with the exception of 20 coils. The crew needed to move to the next activity, which was using the laser to check the roundness. Removal of the coils from the 270 slot core entailed the removal of the circuit rings, surge rings, slot wedges and the coils. At the end of the month the stator core roundness and height was checked using a FARO laser and piano wire plumb line from data that was transferred up from the Bureau centerline monuments in the turbine pit.

The Voith crew completed removal of all metering and relaying current transformers and the bus located in the unit airhousing. All materials were discarded.

Visitors from the San Luis Delta Mendota Water Authority (SLDMWA) were onsite for two days during this period to observe how the Bureau of Reclamation and Voith participate together to obtain unit centerline, prior to disassembly. SLDMWA will be conducting these activities in the near future at the C.W. Jones Pumping Plant in Tracy, California.

**Contract No. R17PC00029**  
**Specification No. 20-C0847**  
**Trinity River Division Powerplants Replacement of Station**  
**Service Transformers and Low Voltage Bus System – Trinity**  
**River Division, Central Valley Project, Trinity and Shasta**  
**Counties, California**  
**Gardner Zemke, Albuquerque, NM**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 0.0%        |
|                        | Time Elapsed                         | 24%         |
|                        | Work Completed                       | 0.5%        |
| Contractor Earnings    | September                            | \$0.00      |
|                        | Previous                             | \$15,118.00 |
|                        | Total to Date                        | \$15,118.00 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$0.00      |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$0.00      |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$8,405.00  |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$28,123.00 |
|                        | FY17 Cumulative Total                | \$36,528.00 |
|                        | FY17 Budgeted                        | \$49,795.00 |
|                        | Amount Remaining                     | \$13,267.00 |
|                        | Percent Remaining                    | 26.6%       |

**Area Office Project Management**

Project Manager: Laurie Larson, NC-211

**Office Engineering**

Contract Administrator: Madelyn Giles, MPCO-230

**Field Engineering**

Construction Engineer: Brian Wagner, MPCO-300

Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 0

**Work Performed:**

No onsite work was performed during this reporting period.

**Contract No. R16PC00134**  
**Specification No. 20-C0852**  
**Whiskeytown Lake, Spring Creek Temperature Control Curtain -**  
**Trinity River Division, Central Valley Project, California**  
**BCI Construction USA, Inc., Belleville IL**

|                        |                                      |              |
|------------------------|--------------------------------------|--------------|
| Work Performed         | September                            | 10.8%        |
|                        | Time Elapsed                         | 84.9%        |
|                        | Work Completed                       | 26.7%        |
| Contractor Earnings    | September                            | \$310,592.25 |
|                        | Previous                             | \$209,808.30 |
|                        | Total to Date                        | \$520,400.55 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$2,303.00   |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$5,508.00   |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$13,836.00  |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$55,077.00  |
|                        | FY17 Cumulative Total                | \$76,724.00  |
|                        | FY17 Budgeted                        | \$110,830.00 |
|                        | Amount Remaining                     | \$34,106.00  |
|                        | Percent Remaining                    | 30.8%        |

**Area Office Project Management**

Project Manager: Robert Gee, NC-230

**Office Engineering**

Contract Manager: Amber Pierce, MPCO-205

Invoice No. 02, in the amount of \$310,592.25, was received this reporting period for work performed from August 1, 2017 to August 31, 2017.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Stephen M. Holmes, MPCO-320, Russell Davies, MPCO-341

Number of Contractors Employees: 6

**Work performed**

The contractor continued to replace bushings for the upper portion of the boom float tanks, shackles, and chains in the upper connection points. The contractor also attached foam injection nipples on tanks that were not under water or tension. Tank 92 was determined to have a puncture hole in one end due to repeated impact from the adjacent tank. No work was performed on the anchor tanks, or any of the curtain float tanks that are under tension.

The remaining shackles and pieces removed from the tanks have been stockpiled in the western portion of the contractor use area for sorting and distribution to Reclamation for storage.

BCI received twenty-two (22) surface stabilizing tanks and two (2) upper boom float tanks from the fabrication shop. Each tank experienced damage to the coating from abrasion of the nylon straps or from rubbing the adjacent tanks. The contractor reports that the coating on each tank can be field repaired.



**Whiskeytown Lake, Spring Creek Temperature Control Curtain**  
**A view of the new chain after being cut.**





**Whiskeytown Lake, Spring Creek Temperature Control Curtain  
The Contractor installing the foam injection nipples on the float tanks.**

**Contract No. R17PC00092****Specification None****Install K12 Rated Vehicle Barriers at Keswick, Shasta and Trinity Power Plants****Shasta and Trinity Division, Central Valley Project, California****Purgatory Fence Company, Inc., Boise, ID**

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Work Performed         | September                            | 0.0%        |
|                        | Time Elapsed                         | 2.4%        |
|                        | Work Completed                       | 0.0%        |
| Contractor Earnings    | September                            | \$0.00      |
|                        | Previous                             | \$0.00      |
|                        | Total to Date                        | \$0.00      |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$0.00      |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$2,916.00  |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$0.00      |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$4,260.00  |
|                        | FY17 Cumulative Total                | \$7,176.00  |
|                        | FY17 Budgeted                        | \$21,635.00 |
|                        | Amount Remaining                     | \$14,459.00 |
|                        | Percent Remaining                    | 66.8%       |

**Area Office Project Management**

Project Manager: Robert Gee, NC-230

**Office Engineering**

Contract Manager: Amber Pierce, MPCO-205

This contract was awarded on September 6, 2017.

**Field Engineering**

Field Engineer: Brian Wagner, MPCO-300

Construction Manager: Stephen Holmes, MPCO-320.

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

# **South Central California Area Office**

*(This Page Intentionally Left Blank)*

**There was no work performed during this period for the South Central California Area Office.**

*(This Page Intentionally Left Blank)*

# **San Joaquin River Restoration Program**

*(This Page Intentionally Left Blank)*



**Contract No. R16PC00110**  
**Specification No. 20-C0853**  
**Madera Canal Headworks Low-Flow Valve - Friant Division,**  
**Central Valley Project, California**  
**BCI Construction USA, Inc., Belleville, IL**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 6.4%           |
|                        | Time Elapsed                         | 100%           |
|                        | Work Completed                       | 88.7%          |
| Contractor Earnings    | September                            | \$114,130.77   |
|                        | Previous                             | \$1,472,759.28 |
|                        | Total to Date                        | \$1,586,890.05 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$9,273.00     |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$25,662.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$66,942.00    |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$77,023.00    |
|                        | FY17 Cumulative Total                | \$178,900.00   |
|                        | FY17 Budgeted                        | \$186,735.00   |
|                        | Amount Remaining                     | \$7,835.00     |
|                        | Percent Remaining                    | 4.2%           |

**Area Office Project Management**

Project Manager: Adam Nickels, MP-170

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Invoice 05, in the amount of \$114,130.77, was received this reporting period for work performed from August 1, 2017 to August 31, 2017, was received this reporting period.

**Field Engineering**

Construction Engineer: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 9

**Work Performed**

The Contractors crew continued working on the installation of the valve. After conducting the dry test, the crew, with the assistance of Friant Dam personnel, filled the penstock with water using the four inch diameter valve. During the filling of the penstock it was noticed that some water was leaking between the Transition Spool and the Penstock flange. BCI with the assistance of the Hilton Engineer separated the Transition Spool from the Penstock flange and installed a new gasket and reassembled the valve. The valve was then filled with water and there

was no leakage noted. The BCI crew then removed the temporary bulkhead making the valve ready for wet testing.

The subcontractor AC-Controls was onsite to connect the existing wires from the SCADA system to the new motor actuator. After the wiring was connected, the technician checked that the analog inputs and outputs were communicating from the motor actuator to the Programmable Logic Controller (PLC).

BCI crew finished the installation of the backwater bulkhead frame.

The Contractors crane operator and Friant Dam operator both inspected the gantry crane before it was returned to the Bureau of Reclamation. The gantry crane passed the Bureau of Reclamations inspection and its return was accepted.

# **Mid-Pacific Regional Office**

*(This Page Intentionally Left Blank)*

**Contract No. R16PC00091**  
**Specification No. 20-C0843**  
**North Fork Screens and Ladder Completion Contract - Battle Creek Salmon and Steelhead Restoration Project, California**  
**TNT Industrial Contractors, Inc., Sacramento, CA**

|                        |                                      |                |
|------------------------|--------------------------------------|----------------|
| Work Performed         | September                            | 26.1%          |
|                        | Time Elapsed                         | 66.1%          |
|                        | Work Completed                       | 47.8%          |
| Contractor Earnings    | September                            | \$662,472.95   |
|                        | Previous                             | \$1,195,500.00 |
|                        | Total to Date                        | \$2,633,786.95 |
| MPCO Noncontract Costs | 1 <sup>st</sup> Quarter Expenditures | \$48,230.00    |
|                        | 2 <sup>nd</sup> Quarter Expenditures | \$65,569.00    |
|                        | 3 <sup>rd</sup> Quarter Expenditures | \$138,227.00   |
|                        | 4 <sup>th</sup> Quarter Expenditures | \$209,875.00   |
|                        | FY17 Cumulative Total                | \$461,901.00   |
|                        | FY17 Budgeted                        | \$517,570.00   |
|                        | Amount Remaining                     | \$55,669.00    |
|                        | Percent Remaining                    | 10.8%          |

**Area Office Project Management**

Project Manager: Mary Marshall, MP-203

**Office Engineering**

Contract Administrator: Casandra Arthur, MPCO-111

Invoice No. 06 and Invoice No. 07 were received during this reporting period, in the amounts of \$1,095,760.00 and \$342,526.95 respectively, for work performed from July 27, 2017 to September 18, 2017.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Jason Foust, MPCO-325

Number of Contractor Employees: 32

**Work Performed**

The following work took place at the North Battle Creek Feeder Diversion Dam (NBCFDD) site; Subcontractor Syblon Reid Construction (SRC) performed general cleanup of the spoils from the previous chipping operations. SRC also removed the existing concrete wall on downstream left side of the fish ladder. The sections were then removed and staged in use area #3. Removal of the stop gates and orifice gates was also completed this period.

SRC continued to adjust the sump pumps and control the water from entering the open excavations and finished the excavation for the downstream end of the fish ladder.

The subcontractor finished constructing the formwork for the bullnose at the headworks of the fish screen structure. SRC crew worked to construct the form work for the orifice adjustments on the baffle walls, upstream fish ladder walls, downstream fish ladder slab, forming the downstream walls, and installed the rebar for the orifice gates. The subcontractor also finished surface preparation for the construction joint on the upstream and downstream ends of the fish ladder extension. Bushing hammers were used to create a concrete surface profile (CSP) of 5 or greater.

SRC placed the upstream leveling slab this period with backfill concrete. The concrete was placed with a 1 yard bucket and the 130-ton crane. Subcontractor Camblin Steel installed the rebar for the slab on the upstream end of the fish ladder, the downstream fish ladder slab, the upstream walls of the fish ladder, and rebar for the downstream fish ladder walls. SRC placed concrete mix BR752FA1 for the upstream fish ladder slab and the downstream slab. A two inch vibrator was used to consolidate the concrete. After the screed and float, the concrete was troweled. Wood and magnesium tools were used to perform the screed and float. The block-outs for the slide gates were wet set. Sealtight 1100 clear was used to cure the concrete.

SRC finished drilling the 7/8<sup>th</sup> of an inch holes for the 2'-0" long No. 6 rebar dowels which will tie in the new upstream and downstream walls of the fish ladder. The holes were drilled to a depth of 1 foot every 12 inches on center as shown on the contract drawings. The crew then epoxied the No. 6 bars into place with the Hilti HY 200 injectable adhesive anchoring. The 2'-0" dowels were installed in accordance with the manufactures recommendations. SRC began layout and installation of the metalwork associated with the fish screen structure. The crew began raising the cross members for the fish screen columns. The cross members were removed and holes were drilled one foot above the existing location as shown on the drawings. The crew also started setting the girders for the new grating left of the fish screen and the angle iron supports at the upstream end of the structure and began welding the angle iron to the girders to hold the grating. The top plates were also welded to the girders. The top plates were stitch welded and then seam welded. The crew also began installation of the metal grating. Sections of grating were installed between the dam and column 5. SRC then began drilling 3/4 inch holes 6 inches deep for the anchors for the walkways at each baffle wall of the fish ladder structure.

The following work took place at the Eagle Canyon Diversion Dam (ECDD) site; SRC and San Joaquin Electric (SJE) began the installation of the conduit for the trail lighting. Work included: removing rocks in the path of the new conduit and beginning the layout and demolition of the existing conduit. Subcontractor SJE began and finished installation of the 2 inch conduit up the trail. They began working at the transition under the staircase landing and worked up the path. The conduit was run along the ground next to the stair case landings. They also finished running the wiring for the trail lighting. The megohm testing was performed on the system and shown to be installed correctly. The light bulbs were installed and tested. The installation of the trail lights is complete. Subcontractor Skyline worked to install the scaffolding that will be used to access the headworks platform. The scaffolding was lowered to the site with the 90-ton truck crane provided by Maxim.

SRC worked to layout the metal work. They took inventory of the materials onsite to see what can be accomplished before the rest of the missing pieces are delivered. The crew began to install the support metal for the head works, the lifeline for the headworks platform and the upstream davit crane for fall protection.



**North Fork Screens and Ladder Completion Contract**  
**A view of the upstream slab being poured.**





**North Fork Screens and Ladder Completion Contract  
The new trail lighting at Eagle Canyon Diversion Dam.**



# **Contracts in Warranty Status**

*(This Page Intentionally Left Blank)*

**R11PC20185 No. 20-C0778 Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation - Delta Division, Central Valley Project, California**

There was no Office Engineering Administrative activity this period. The warranty work for the B15 DFR will extend the 1-year warranty from June 29, 2017 through June 28, 2018.

**R13PC20159 No. 20-C0819 Lake Berryessa Concessions Areas Improvements – Lake Berryessa, Solano Project, California**

There was no Office Engineering Administrative activity this period. The 1-year warranty period began on March 31, 2017 and will end March 30, 2018.

**R16PC00079 No. 20-C0851 Red Bluff Flap Gate Retrofit - Sacramento Canals Unit, Sacramento River Division, Central Valley Project, California**

There was no Office Engineering Administrative activity this period. The 1-year warranty period began March 16, 2017 and will end March 15, 2018.

**R17PC00022 No. 20-C0857 Western Tracy Switchyard - Chain Link Fence Project Tracy Pumping Plant and Substation - Delta Division, Central Valley Project, California**

There was no Office Engineering Administrative activity this period. The 1-year warranty period began May 11, 2017 and will end May 10, 2018.

**R11PC2023S None Red Bluff Diversion Dam, Fish Passage Improvement Project Terrestrial Mitigation - Sacramento River Division, Central Valley Project, California**

There was no Office Engineering Administrative activity this period. The 1-year warranty period began December 31, 2016 and will end December 30, 2017.

**R16PC00099 None Folsom Dam Resource Building Replacement - Folsom Unit, American River Division, Central Valley Project, California**

There was no Office Engineering Administrative activity this period. The 1-year warranty period began February 14, 2017 and will end February 13, 2018.

**R16PC00100 None Lake Woollomes Recreation Area Asphalt Replacement - Central Valley Project, California**

There was no Office Engineering Administrative activity this period. The 1-year warranty period began April 26, 2017 and will end April 25, 2018.

**R15PC00080 20-C0836 Klamath Basin Area Office Sewer Lift Station, Klamath Basin Area Office, Klamath Falls, Oregon**

Office Engineering is reviewing required submittals. The 1-year warranty period began January 20, 2017 and will end January 19, 2018.

**R16PC00111 20-C0855 San Joaquin Hatchery Water Supply Pipeline - Friant Division, Central Valley Project, California**

Invoice No. 09 was received this reporting period for work performed in August. The 1-year warranty period began June 29, 2017 and will end June 28, 2017.

*(This Page Intentionally Left Blank)*

# Lab Reports

*(This Page Intentionally Left Blank)*

### **Stampede Safety of Dams Project**

**There was no laboratory information provided from the Materials Lab for this project during this period.**

*(This Page Intentionally Left Blank)*



### **North Fork Screens and Ladders Completion Contract**

**There was no laboratory information provided from the Materials Lab for this project during this period.**

*(This Page Intentionally Left Blank)*