

RECLAMATION

Managing Water in the West

MP CONSTRUCTION OFFICE

Willows, California

Construction Progress Report L-29

May 2014



San Luis Demonstration Treatment Plant
Biological Growth in MF EQ Tank



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

CONSTRUCTION PROGRESS REPORT (L-29)
 MP CONSTRUCTION OFFICE
 MID-PACIFIC REGION
 MAY 2014

CONTENTS

	PAGE
LOCATION MAP.....	i
STAFFING.....	ii
GLOSSARY OF TERMS.....	iii

<u>CONTRACT/SPECS OR P.O. NO., CONTRACTOR, AND CONTRACT NAME</u>	PAGE	MAP
	<u>NO.</u>	<u>NO.</u>
CCAO	1	
R10PC20R15 20-C0649A Abide International, Inc. Fixed Wheel Gate Rehabilitation – Folsom Unit, American River Division, Central Valley Project, California	3	1
R10PC20019 20-C0689 Andritz Hydro Corp. Folsom Power Plant Generators U1, U2, and U3 Rewind and Excitation System Replacement – Folsom Unit, American River Division, Central Valley Project, California	4	1
R10PC20767 20-C0703 Voith Siemens Hydro Power Generation, Inc. Folsom Power Plant U1, U2, and U3 Replacement Runners – Folsom Unit, American River Division, Central Valley Project, California	5	1
R10PC20114 20-C0754 Shimmick Construction Co., Inc. Folsom Dam – Safety of Dams Modification – MIAD Key-Block – Folsom Unit, American River Division, Central Valley Project, California	6	1
R12PC20104 20-C0792 Anderson-Burton Construction Northfork Pipeline Repair - Folsom Pumping Plant – Folsom Unit, American River Division, Central Valley Project, California	7	1
R13PC20211 20-C0798 B.C Schmidt Construction, Inc. New Melones Artifact Storage Building – New Melones Unit, East Side Division, Central Valley Project, California	8	2
R13PC20084 20-C0805 Collins Electrical Company, Inc. Nimbus Powerplant Transformer Anchorage System – Folsom Unit, American River Division, Central Valley Project, California	9	3
R13PC20092 20-C0807 Suulutaaq, Inc. Mormon Island Auxiliary Dam Overlay – Folsom Unit, American River Division, Central Valley Project, California	10	1
R13PC20159 None GD Nielson Construction, Inc. Lake Berryessa Concessions Area Improvements – Lake Berryessa, Solano Project, California	13	4

KBAO			15
LBAO			19
R12PC20137	20-C0796	Algerine West Construction, Inc.	21 5
Prosser Creek Dam OHV Bridge Crossing – Stampede Division, Washoe Project, California			
R13PC20088	20-C0808	Knight Construction and Supply, Inc.	22 5
Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates – Stampede Division, Washoe Project, California			
NCAO			23
R10PC20744	20-C0712	National Electric Coil, Inc.	25 6
J.F. Carr Power Plant, Generator G1 and G2 Rewinds – Trinity River Division, Central Valley Project California			
R10PC20102	20-C0755	Andritz Hydro Corp.	26 6
Spring Creek Powerplant Generators G1 and G2 Rewinds – Trinity River Division, Central Valley Project, California			
R12PC20053	20-C0789	Ray-Mac Mechanical, Inc.	27 7
Shasta Powerplant Control and Computer Room HVAC Replacement – Shasta Division, Central Valley Project, California			
R13PC20169	20-C0820	E.C. Smith, Inc.	28 8
Red Bluff Diversion Dam Decommissioning - Sacramento Canals Unit, Sacramento River Division, Central Valley Project, California			
R10PC20025	None	Tehama Environmental Solutions, Inc.	30 9
Coleman Fish Hatchery Water Intakes Vegetation Replacement and Monitoring – Shasta Division, Central Valley Project, California			
R11PC20235	None	Tehama Environmental Solutions, Inc.	31 8
Red Bluff Diversion Dam, Fish Passage Improvement Project, Terrestrial Mitigation – Sacramento Canals Unit, Sacramento River Division, Central Valley Project, California			
SCCAO			33
R11PC20185	20-C0778	Contra Costa Electric, Inc.	35 10
Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation – Delta Division, Central Valley Project, California			
R11PC20107	20-C0788	Slayden Construction Group, Inc.	37 11
San Luis Demonstration Treatment Plant –San Luis Unit, West Stanislaus Division, Central Valley Project, California			
R13PC20105	20-C0813	Valentine Corporation	41 10
Tracy Fish Collecting Facilities, Secondary Louver Replacement – Delta Division, Central Valley Project, California			

Regional	43
R13PC20005 20-C0799 Contractor Services Group, Inc. Baldwin Creek Fish Barrier – Battle Creek Salmon and Steelhead Restoration Project, California	45
R13PC20143 20-C0803 T.L. Peterson, Inc. North Battle Creek Feeder Dam Access Road Completion – Battle Creek Salmon and Steelhead Restoration Project, California	46
Contracts in Warranty Status	49
R09PC20R03 20-C0677 Transformer K1A and K2A Replacements, Folsom Power Plant	51
R10PC20R11 20-C0730 Red Bluff Pumping Plant and Fish Screen, Pumps and Motors	51
R10PC20R80 20-C0759 Drought Relief–Construction of New Wells	51
R12PC20062 20-C0785 Tracy Fish Collection Facility - Trash Rake Monorail Extension	51

Mid-Pacific Region

RECLAMATION
Managing Water in the West



STAFFING – MID PACIFIC CONSTRUCTION OFFICE

The Mid Pacific Construction Office had 52 construction and administrative employees at the close of this month as follows:

Construction Engineer's Office	2
Preaward & Project Management Group	3
Administrative Management	8
Division of Field Engineering	24
Division of Office Engineering	8
Materials Lab Branch	7

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

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
TO	Tracy Office

CCAO

Contract No. R10PC20R15
Specification No. 20-C0649A
Fixed Wheel Gate Rehabilitation – Folsom Unit, American River Division, Central Valley
Project, California
Abide International, Inc., Sonoma, CA

Work Performed:	May	0%
	Time Elapsed	100%
	Work Completed	85.9%
Contractor Earnings:	May	\$0
	Previous	\$7,989,508.17
	Total to Date	\$7,989,508.17

Area Office Project Management
Project Manager: Jesse Castro, CC-607

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

A modification to definitize all previous modifications and resolve uncompleted work is being worked on.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Gustavo Aguilera, MPCO-337; Bill Linder, MPCO-312; Howard Diedrich, MPCO-316

Number of Contract Employees: 0

Work Performed:
No site work was performed this period. The contractor did not complete the contract site work, and will perform no further site work.

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:	May	0%
	Time Elapsed	89.5%
	Work Completed	76.8%

Contractor Earnings:	May	\$0
	Previous	\$15,685,567.71
	Total to Date	\$15,685,567.71

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Casey Arthur, MPCO-245

No invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314

Number of Contract Employees: 0

Work performed:

No work was performed this period. Work is scheduled to start up again in October 2014.

Contract No. R10PC20767

Specification No. 20-C0703

Folsom Power Plant U1, U2, and U3 Replacement Runners – Folsom Unit, American River

Division, Central Valley Project, California

Voith Siemens Hydro Power Generation, Inc., York, PA

Work Performed:	May	0%
	Time Elapsed	88.2%
	Work Completed	73.7%
Contractor Earnings:	May	\$0
	Previous	\$5,488,977.80
	Total to Date	\$5,488,977.80

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Casey Arthur, MPCO-245

No invoices were received this period.

Field Engineering

Construction Manager: N/A supply contract

Construction Representative: N/A supply contract

Number of Contract Employees: N/A supply contract

Work performed: N/A supply contract

Contract No. R10PC20114

Specification No. 20-C0754

Folsom Dam – Safety of Dams Modification – MIAD Key-Block – Folsom Unit, American

River Division, Central Valley Project, California.

Shimmick Construction Co., Inc., Sacramento, CA

Work Performed:	May	0%
	Time Elapsed	100%
	Work Completed	99.1%

Contractor Earnings:	May	\$0
	Previous	\$44,606,112.97
	Total to Date	\$44,006,112.97

Area Office Project Management

Project Manager: Larry Hobbs, CC-106

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

Office Engineering is resolving a request for equitable adjustment for encountering harder than expected bedrock.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Howard Diedrich, MPCO-316; Sean Frische, MPCO-317

Number of Contract Employees: 0

Work Performed:

No site work was performed as all site work was completed in February 2013. The substantial completion date was January 4, 2013.

Contract No. R12PC20104
Specification No. 20-C0792
Northfork Pipeline Repair Folsom Pumping Plant – Folsom Unit, American River Division,
Central Valley Project, California
Anderson-Burton Construction, Inc., Arroyo Grande, CA

Work Performed:	May	2.7%
	Time Elapsed	100%
	Work Completed	100%
Contractor Earnings:	May	\$46,939.58
	Previous	\$1,686,107.83
	Total to Date	\$1,733,047.41

Area Office Project Management
Project Manager: Jesse Castro, CC-607
serg
Office Engineering
Contract Administrator: John Zimmerman, MPCO-230

Invoice 7 - Final was received and forwarded to the Denver finance office for processing.

Modification 12 was executed this period. It provided a settlement of \$36,851.71 to the contractor for the request for equitable adjustment for extra costs the contractor incurred in removing the existing coating.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Todd Dooley, MPCO-314; Mike Manlick, MPCO-313

Number of Contract Employees: 0

Work Performed:
All site work was completed in December 2013. The substantial completion date was November 26, 2013.

Contract No. R13PC20211

Specification No. 20-C0798

New Melones Artifact Storage Building – New Melones Unit, East Side Division, Central Valley Project, California

B. C. Schmidt Construction, Inc., Williams, CA

Work Performed:	May	0%
	Time Elapsed	100%
	Work Completed	91.0%
Contractor Earnings:	May	\$77,037.79
	Previous	\$1,342,927.64
	Total to Date	\$1,419,965.53

Area Office Project Management

Project Manager: Laureen Perry, MP-153

Office Engineering

Contract Administrator: Amber Pierce, MPCO-205

The invoice received for this period was for work performed through April 30, 2014.

A contract modification was executed to increase contract funding to provide the contractor an equitable adjustment for a differing site condition, and extended the contract period of performance due to the Government Shutdown in October 2013.

The contract completion date was extended by 26 calendar days to February 12, 2014.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Dennis Schuenemann, MPCO-338

The final inspection and walkthrough was performed with the contractor on May 6, 2014. A closeout meeting occurred between Reclamation personnel on May 6, 2014.

The contract was determined to be Substantially Complete on April 29, 2014 and a Memo was sent to central files on May 9, 2014.

All spare parts and materials were furnished to Reclamation's Project Manager on May 6, 2014.

Number of Contract Employees: 2

Work Performed:

The contractor continued to complete punch list item work. Conductors were terminated between the sanitary sewage holding tank and the audible alarm box. A final inspection was held for the Artifact Storage Building.

Contract No. R13PC20084
Specification No. 20-C0805
Nimbus Powerplant Transformer Anchorage System – Folsom Unit, American River Division,
Central Valley Project, California
Collins Electrical Company, Inc., Stockton, CA

Work Performed:	May	0%
	Time Elapsed	100%
	Work Completed	100%
Contractor Earnings:	May	\$16,502.80
	Previous	\$148,525.20
	Total to Date	\$165,028.00

Area Office Project Management
Project Manager: Brian Zewe, CC-607A

Office Engineering
Contract Administrator: John Zimmerman, MPCO-230

Invoice 3 - Final was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through April 30, 2014.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Ben Richburg, 338-5117

Number of Contract Employees: 0

Work Performed:
No work was performed this period because site work was completed in February 2014. No invoices were received this period.

The only remaining work is for the contractor to provide final manufacturer's drawings.

Work Performed:
No work was performed this period because site work was completed in February 2014. The substantial completion date was February 7, 2014.

Contract No. R13PC20092

Specification No. 20-C0807

Mormon Island Auxiliary Dam Overlay – Safety of Dams Modification – Folsom Unit,

American River Division, Central Valley Project, California

Suulutaaq, Inc. Suisun City, CA

Work Performed:	May	0%
	Time Elapsed	30.9%
	Work Completed	10.0%
Contractor Earnings:	May	\$410,154.14
	Previous	\$4,163,979.86
	Total to Date	\$4,574,134.00

Area Office Project Management

Project Manager: Kyle Keer, CC-108

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

Invoice 7 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through April 20, 2014.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representatives: Sean Frische, MPCO-317; Zahid Wazid, MPCO-349; Gus Aguilera, MPCO-337; Bill Linder, MPCO-312

Number of Contract Employees: 51

Work Performed:

Excavation Activities

Granite Construction performed the following work:

- Stripping between stations 413+00 and 420+00
- Excavating wetlands to suitable foundation and completed backfilling to original grade with Zone B material
- Continued shell excavation of the existing embankment between stations 443+00 and 462+00
- Completed about 80 percent of the stripping the floor between stations 439+00 and 460+00 where the filter blankets will be placed

Toe Drain Activities:

Granite Construction started placing fine filter in the toe drain between stations 427+00 and 430+00 and continued welding the 24-inch perforated high density polyethylene (HDPE) pipe and 22-inch non-perforated HDPE culvert liner at outfall sections.

The contractor performed the following work:

- Installed the 24-inch non-perforated HDPE pipe sections in Outfall Trench SM-3, SM-4
- Placed controlled low strength material (CLSM) plugs and backfilled the outfall trench at Weir Box SM-3, SM-4
- Backfilled the outfall channel trenches at SM-1, SM-2 and SM-3, SM-4
- Cleaned and took video of the existing corrugated metal culvert at Green Valley Road
- Installed the 22-inch HDPE culvert under Green Valley Road
- Started excavating the trench for the 22-inch culvert liner that runs along Green Valley Road .

Embankment Backfill Activities:

Granite Construction started backfilling embankment shell Zone A and Zone B materials between stations 413+00 and 430+00 to approximately 410-foot elevation.

Stockpile Processing Activities:

Fisher Industries continued processing 3-inch minus and 1-1/4-inch minus materials for Zones A and B.

Stormwater Pollution Control/SWPPP:

The contractor continued enlarging the SWPPP ponds in preparation for the next rainy season.

Unwatering/Dewatering:

The contractor performed unwatering in the outfall Channels SM-3, SM-4 and SM-1, SM-2 during CLSM plug placement and fine and coarse filter placement.



Mormon Dam Auxiliary Dam Overlay
Shell excavation over the key blocks (foreground) and
downstream floor at approximate Station 445 to Station

Contract No. R13PC20159

Specification No. None

Lake Berryessa Concessions Area Improvements – Lake Berryessa, Solano Project, California

G.D. Nielson Construction, Inc., Napa, CA

Work Performed:	May	0%
	Time Elapsed	66.1%
	Work Completed	9.4%
Contractor Earnings:	May	\$0
	Previous	\$66,869.00
	Total to Date	\$66,869.00

Area Office Project Management

Project Manager: Pete Funkhouser, LBAO

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

No Invoices were received in the month of May.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Bill Linder, MPCO-312

Number of Contract Employees: 0

Work Performed:

The contractor has scheduled to begin onsite work on June 2, 2014. Contract completion date remains September 3, 2014.

KBAO

There were no active construction projects underway for the Klamath Basin Area Office in May 2014.

LBAO

Contract No. R12PC20137

Specification No. 20-C0796

Prosser Creek Dam OHV Bridge Crossing – Stampede Division, Washoe Project, California

Algerine West Construction, Inc., Jamestown, CA

Work Performed	May	0%
	Time Elapsed	100%
	Work Completed	64.2%
Contractor Earnings	May	\$0
	Previous	\$103,335.00
	Total to Date	\$102,335.00

Area Office Project Management

Project Manager: Locke Hahne, LO-400

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

No invoices were received this period.

The remaining office work for the contractor to perform is to provide as-built drawings, which will be done after the repairs described below are made.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Dennis Schuenemann, MPCO-338

Number of Contract Employees: 0

Worked Performed:

No site work was performed this period. The work remaining for the contractor to perform is repair of the damaged endwalls, and replacement of two damaged braces.

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	May	0%
	Time Elapsed	24.7%
	Work Completed	1.3%
Contractor Earnings	May	\$0
	Previous	\$27,776.00
	Total to Date	\$27,776.00

Area Office Project Management
Project Manager: Locke Hahne, LO-400

Office Engineering
Contract Administrator: Ryan Hennigan, MPCO-211

No invoices were received this period.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Todd Dooley, MPCO-314

Number of Contract Employees: 0

Worked Performed:
Site work has not begun. It was scheduled to begin in November but did not. Work is scheduled to begin as soon as July 2014.

NCAO

Contract No. R10PC20744

Specification No. 20-C0712

J.F. Carr Power Plant, Generator G1 and G2 Rewinds – Trinity River Division, Central Valley
Project California

National Electric Coil, Inc., Columbus, OH

Work Performed	April	0%
	Time Elapsed	100%
	Work Completed	96.5%
Contractor Earnings	April	\$0
	Previous	\$14,889,222.14
	Total to Date	\$14,889,222.14

Area Office Project Management

Project Manager: Joe Ascoli, NC-650

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

No invoices were received this period.

Office Engineering is working with the contractor on completing outstanding modifications.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Worked Performed:

The contractor completed all site work in December 2012.

Contract No. R10PC20102

Specification No. 20-C0755

Spring Creek Powerplant Generators G1 and G2 Rewinds – Trinity River Division, Central Valley Project, California

Andritz Hydro Corp., Charlotte, NC

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	69.9%
Contractor Earnings:	April	\$0
	Previous	\$7,923,921.77
	Total to Date	\$7,923,921.77

Area Office Project Management

Project Manager: Joe Ascoli, NC-650

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

No invoices were received this period.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Work performed:

No site work was performed this period. The restart of site work has not yet been determined.

Contract No. R12PC20053

Specification No. 20-C0789

Shasta Powerplant Control and Computer Room HVAC Replacement – Shasta Division, Central Valley Project, California

Ray-Mac Mechanical, Inc., Mt. Shasta, CA.

Work Performed:	May	0%
	Time Elapsed	100.0%
	Work Completed	94.3%
Contractor Earnings:	May	\$0
	Previous	\$309,680.00
	Total to Date	\$309,680.00

Area Office Project Management

Project Manager: Bob Gee, NC-230

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

Notice to Proceed date: April 26, 2012

No invoices were received this period.

The contractor has only to complete final submittals.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Work performed:

No site work was performed as the contractor completed all site work in October 2012. The substantially complete date was October 5, 2012.

Contract No. R13PC20169

Specification No. 20-C0820

Red Bluff Diversion Dam Decommissioning – Sacramento Canals Unit, Sacramento River

Division, Central Valley Project, California

E.C. Smith, Inc., Anderson, CA

Work Performed:	May	19.6%
	Time Elapsed	35.3%
	Work Completed	20.5%
Contractor Earnings:	May	\$642,927.00
	Previous	\$30,023.00
	Total to Date	\$672,950.00

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

Invoice 2 was received on May 30, 2014 and forwarded to the Denver finance office for processing. It was for work performed from November 5, 2014 through May 30, 2014. No modifications have been processed on this project.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: Jeff Kelly, MPCO-361

Number of Contract Employees: 37

The contractor performed the work listed below.

- Underground utilities were located prior to any work being performed.
- Power to the Research Pumping Plant Facility was disconnected.
- Filled the bypass channels downstream of the Wemco and Archimedes Screw pumps.
- Disconnected the motor control centers and the electrical substation.
- Removed miscellaneous metal pieces from the Research Pumping Plant.
- Removed the holding tanks, stainless steel flumes, bracing, gates, guardrails, grates, sump pumps, and the A/C unit and duct work on the control building.
- Dismantled the 36" HDPE pipe and associated items.
- Control panels were removed and set aside.
- The switchgears were disconnected and removed.
- A seven man crew from Friant Water Authority was onsite to take possession of the Peerless pumps and drive motors from the Interim Pumping Plant.
- Dissipater plates on the HDPE outlets were removed.

- 40,000lbs loads of sheet piles were removed from the jobsite.
- Removed the discharge pipes for the Temporary Pumping Plant.
- Installed conduit and conductors for the River Lab Building.



Red Bluff Diversion Dam Decommissioning
The first of ten pump assemblies is being removed at the Interim Pumping Plant.

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:	May	0%
	Time Elapsed	64.3%
	Work Completed	92.8%
Contractor Earnings:	May	\$0
	Previous	\$656,891.52
	Total to Date	\$656,891.52

Area Office Project Management

Project Manager: Hank Harrington, NC-210

Office Engineering

Contract Administrator: Jacquelyn Olds, MPCO-202

No invoices were received this period.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: Fernando Pavone, MPCO-333

Number of Contract Employees: 0

Work performed:

The contractor's current activity consists of maintaining vegetation planted in 2010.

Contract No. R11PC20235

Specification No. None

Red Bluff Diversion Dam, Fish Passage Improvement Project, Terrestrial Mitigation –
Sacramento Canal Unit, Sacramento River Division, Central Valley Project, California
Tehama Environmental Solutions, Inc., Red Bluff, CA

Work Performed:	May	0%
	Time Elapsed	37.9
	Work Completed	92.2%

Contractor Earnings:	May	\$149,486.55
	Previous	\$4,285,553.53
	Total to Date	\$4,435,040.08

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

Invoice 12 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through March 20, 2014.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: David Derk, MPCO-334

Number of Contract Employees: 0

Work performed:

The contractor performed no work this period but plans to return soon to perform weeding.

SCCAO

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, Inc., Martinez, CA

Work Performed:	May	0%
	Time Elapsed	70.1%
	Work Completed	20.1%
Contractor Earnings:	May	\$0.00
	Previous	\$1,635,038.11
	Total to Date	\$1,635,038.11

Area Office Project Management

Project Manager: Warren Feng, TO-438

Office Engineering

Contract Administrator: Amber Pierce, MPCO-205

This is a design/build contract.

No invoices were received this period.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: David Derk, MP-334

Number of Contract Employees: 29

Work Performed:

The prime contractor performed the following work:

- Completed all the control conduit runs between the new vaults and under each slab of the four buildings, to include Mod #10 work
- Installed the four vaults, and forms.
- Placed concrete around the four duct banks between the new vaults and the block outs in the grade beams
- Worked on the grounding grid around the site and through the grade beams
- Installed all the conduit runs through the tunnel roof for the new unit substation (Mod #12)
- Pulled power conductors into cable trays in tunnel for units #2 and #6.

Nor Cal Builders performed the following work:

- Constructed wood formwork, and bracing for the Switchgear Building Foundations
- Installed anchor bolts and anchor plates for the metal buildings, and placed concrete for all four building grade beams and slab foundations
- Completed excavating for 13 structural steel piers and placed concrete in seven of the piers

- Started work on the current limiting reactor foundation pad and the tubular bus support columns for building 11A
- Placed 2-sack and 4-sack sand slurry around the grade beams and under the building slabs

West Coast Rebar performed the following work:

- Installed reinforcing steel cages for grade beams, slabs, and piers in all four buildings

Penhall Company and Janice Corporation performed the following work:

- Drilled 9 core holes through the existing tunnel roof (Mod #12 work)

F3 performed the following work:

- Surveyed in all the anchor bolts in all the concrete placements for the building grade beams and the structural steel piers

Alliance Roofing performed the following work:

- Completed the water proofing around the four vaults and Mod #12 conduit penetrations

Interstate Concrete Pumping performed the following work:

- Used a trailer mounted concrete pump with 4-inch diameter slick line to place concrete for the building grade beams only.

Eaton Corporation performed the following work:

- Conducted the testing at startup for the new UPS system and provided four hours of training.



Tracy 13.8kV Switchgear / Breaker Replacement (RAX 472)
Concrete placement for seven structural steel piers and the slab for Switchgear Building 6A

Contract No. R12PC20107
Specification No. 20-C0788
San Luis Demonstration Treatment Plant – San Luis Unit, West Stanislaus Division, Central Valley Project, California
Slayden Construction Group, Inc., Stayton, OR

Work Performed:	May	0%
	Time Elapsed	100%
	Work Completed	87.03%
Contractor Earnings:	May	\$733,529.95
	Previous	\$18,907,474.50
	Total to Date	\$19,641,004.45

Area Office Project Management
Project Manager: Cheryl Carter, SCC-105

Office Engineering
Contract Administrator: Casandra Arthur, MPCO-245

Invoice No. 16 was received and forwarded to Denver finance office for processing. It was not for work done this period, but for work through March 31, 2014.

No modifications were executed during this period.

Field Engineering
Onsite Government Representative: John Nelson, MPCO-328
Project Engineer: Chris Van Deusen, MPCO-345
Construction Control Inspector: Philip H. Vanderwal, MPCO-322

Number of Contract Employees: 20

Work performed:

The project moved into the Facility Startup/Pre-Demonstration Period with several manufacturer's representatives onsite for equipment checkout.

Slayden Construction performed the following work:

- Placement and backwashing of activated charcoal into the Bioreactors of the Advanced Biological Metals Removal (ABMet) System;
- Continued installing pipe supports in Area A;
- Modifying process piping as necessary in preparation for Demonstration testing;
- Patching vertical sides of tank pads;
- Installing door and window edging, and hardware inside Treatment Building;
- Began running equipment and troubleshooting issues/alarms;

- Monitored fouling at the Plate Settler and in the MF EQ tanks as a result of idle, non-flow, time.
- Miscellaneous site cleanup/housekeeping activities.

Representatives of GE Power and Water working with suppliers and contractor on process systems, predominately ABMet, to prepare for the Demonstration period. Training took place on each of the process systems.

Water Dynamics ran process programs and worked on the supervisory control and data.

Con J Franke Electrical continued electrical system installation throughout the project, preparing for Demonstration Testing and repositioning electrical items as necessary to for safe access.

Mason Painting continued coating miscellaneous items inside the Treatment Building.

Costco Fire Protection worked on installing piping and sprinklers inside the Fire Pump House.

James Long Construction worked on the evaporative cooling unit, EC-1, and balancing exhaust fans. Direct Digital Control worked on troubleshooting EC-1 and addressing drainage issues.

Tri-Signal was onsite programming fire alarm system.

Technical Systems, Inc. was onsite working on field operational checkouts of the systems.

H2O Engineering was onsite to troubleshoot the alarms on the ozone generator system.



San Luis Demonstration Treatment Plant
Activated charcoal media in the bioreactor tanks



San Luis Demonstration Treatment Plant
RO Brackish Water and Seawater Filter Units



San Luis Demonstration Treatment Plant
Fire Pump Piping

Contract No. R13PC20105
Specification No. 20-C0813
Tracy Fish Collecting Facilities, Secondary Louver Replacement – Delta Division, Central Valley Project, California
Valentine Corporation, San Rafael, CA

Work Performed	May	0%
	Time Elapsed	60.3%
	Work Completed	59.0%
Contractor Earnings	May	\$1,337,770.88
	Previous	\$1,247,483.50
	Total to Date	\$2,585,254.38

Area Office Project Management
Project Manager: Warren Feng, TO-438

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

Invoice 5 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work through April 25, 2014.

Field Engineering
Construction Manager: Randy Wyatt, MPCO-305
Construction Representative: Fernando Pavone, MPCO-333

Number of Contract Employees: 8

Worked Performed:

Safety:

Valentine Corporation (Valentine) conducted daily tool box meetings and weekly safety meetings; the Joint Policy Safety Meeting was conducted on May 22-2014, the next JPSM is scheduled for June 18-201. No safety infractions or violations observed during this period.

Environmental:

Valentine removed a section of the silt fence that was placed on the west side of the secondary louver structure because it was no longer needed. Valentine maintained the remaining of the silt fence.

Weather: During this period the weather was clear and sunny with no rain. The temperature fluctuated between 46 F - 99 F.

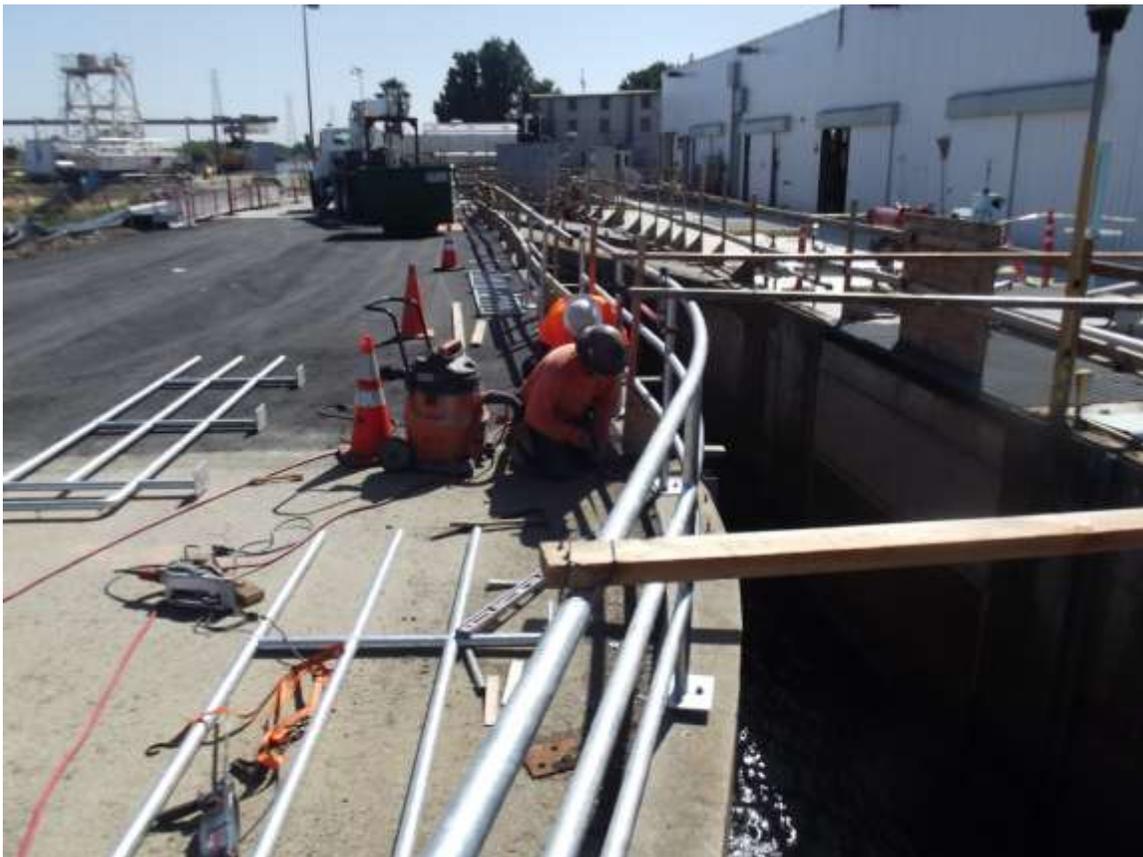
WORK ACTIVITIES:

Cast in place concrete: Valentine crew installed the Sikaflex 1cSL elastometric sealant on the expansion joint on the South side of the secondary channel new concrete slab.

Metal Fabrication: Valentine installed the new handrails for the secondary channel, and arranging the metal beams for the new grating. Disposed the old pumps and built the wooden template for the installation of the fish screens.

Complete Electrical System: Con J Franke Electric mobilized back to the construction site, and began pulling conductors from the existing DZA unit to the new MCC unit and from the new MCC unit to the pump motors. Pulled conductors on conduit #4, 9, 11, and 12 as showing on construction drawing 214-D-26601 and conducted the Megger - insulation resistance test on the main feed conductor that runs from the existing DZA unit to the new MCC unit, testing the 3-1/c 350 MCM w/#4 gnd. Installed the new 300 amp breaker on the existing DZA unit and connected the main feed conductor from the new 300 amps breaker to the new MCC unit and grouted the bottom of the new MCC unit, using the Spec multipurpose non-shrink grout.

Secondary Channel Traveling Fish Screen: Subcontractor Intralox technician adjusted the gap between the sprocket and the shaft collars on all of the fish screens.



Tracy Fish Collecting Facilities, Secondary Louver Replacement
Valentine crew installing the new handrail at the north side of the secondary channel

Regional

Contract No. R13PC20005

Specification No. 20-C0799

Baldwin Creek Fish Barrier – Battle Creek Salmon and Steelhead Restoration Project, California

Contractor Services Group, Inc., West Sacramento, CA

Work Performed:	May	0%
	Time Elapsed	100%
	Work Completed	100%

Contractor Earnings:	May	\$0.00
	Previous	\$3,522,425.40
	Total to Date	\$3,522,425.40

Area Office Project Management

Project Manager: Mary Marshall, MP-203

Office Engineering

Contract Administrator: Kent Perkes, MPCO-225

No invoices were received this period.

The contractor has only to complete as-built drawings.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: John Pospishil, MPCO-321

Construction Inspector: Jason Foust, MPCO-325, and Jeff Kelly, MPCO-361

Number of Contract Employees: 0

Work performed:

All work was completed in December 2013.

Substantial Completion was issued March 6, 2014.

Contract No. R13PC20143

Specification No. 20-C0803

North Battle Creek Feeder Dam Access Road Completion – Battle Creek Salmon and Steelhead
Restoration Project, California

T.L. Peterson, Inc., Red Bluff, CA

Work Performed:	May	72%
	Time Elapsed	63%
	Work Completed	0%
Contractor Earnings:	May	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00

Area Office Project Management

Project Manager: Mary Marshall, MP-203

Office Engineering

Contract Administrator: Kent Perkes, MPCO-225

No invoices were received this period.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: John Pospishil, MPCO-321

Construction Inspector: Frank Medberry, MPCO-341; Jeff Kelly, MPCO-361

Number of Contract Employees: 7

Surveying:

Surveyor Brian R. Howard L.S, Omni Means, Ltd. was onsite to establish lines and grades for the block wall from Sta. 14+78.1 to 15+48.3.

Field inspections of the block wall foundation included inspections by the USBR Geologist and respective reporting to the design engineer. No problems were identified.

Concreted Rock Slope Protection:

The rock slope protection was installed and completed on May 12, 2014, from Sta. 14+58 to 15+50. Workers used an excavator to install rip-rap and then using a concrete pump placed concrete over the aggregate.

Precast Concrete Block Wall:

The subgrade was compacted and tested; blocks were placed using an excavator and the drain was installed and backfilled. The contractor placed filter fabric along the backside of the backfilled slope as it was being filled with sieved sub-grade taken from the lower road and tested for material compliance. Workers compacted and tested the compaction as the backfill was added. This work was completed May 30, 2014.



North Battle Creek Feeder Dam Access Road Completion
Retaining Wall Installation

Contracts in Warranty Status

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.

R10PC20R11 20-C0730 Red Bluff Pumping Plant and Fish Screen, Pumps and Motors

There was no Office Engineering Administrative activity this period.

3-year warranty extends to August 2015.

R10PC20R80 20-C0759 Drought Relief-Construction of New Wells

There was no Office Engineering Administrative activity this period.

1-year warranty extends to August 7, 2014.

R12PC20062 20-C0785 Tracy Fish Collection Facility - Trash Rake Monorail Extension

There was no Office Engineering Administrative activity this period.

1-year warranty extended to April 24, 2014.

R13PC20194 20-C0800 Tracy Fish Pavement Rehabilitation

There was no Office Engineering Administrative activity this period.

1-year warranty extends to October 22, 2014.