

RECLAMATION

Managing Water in the West

MP CONSTRUCTION OFFICE

Willows, California

Construction Progress Report – L29



Coleman National Fish Hatchery Barrier Weir Site Modifications
CSG worker preparing the overshot gate for coating the welded areas

September 2012

“Doing It Right from the Start”

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



CONSTRUCTION PROGRESS REPORT (L-29)
 MP CONSTRUCTION OFFICE
 MID-PACIFIC REGION
 June 2012

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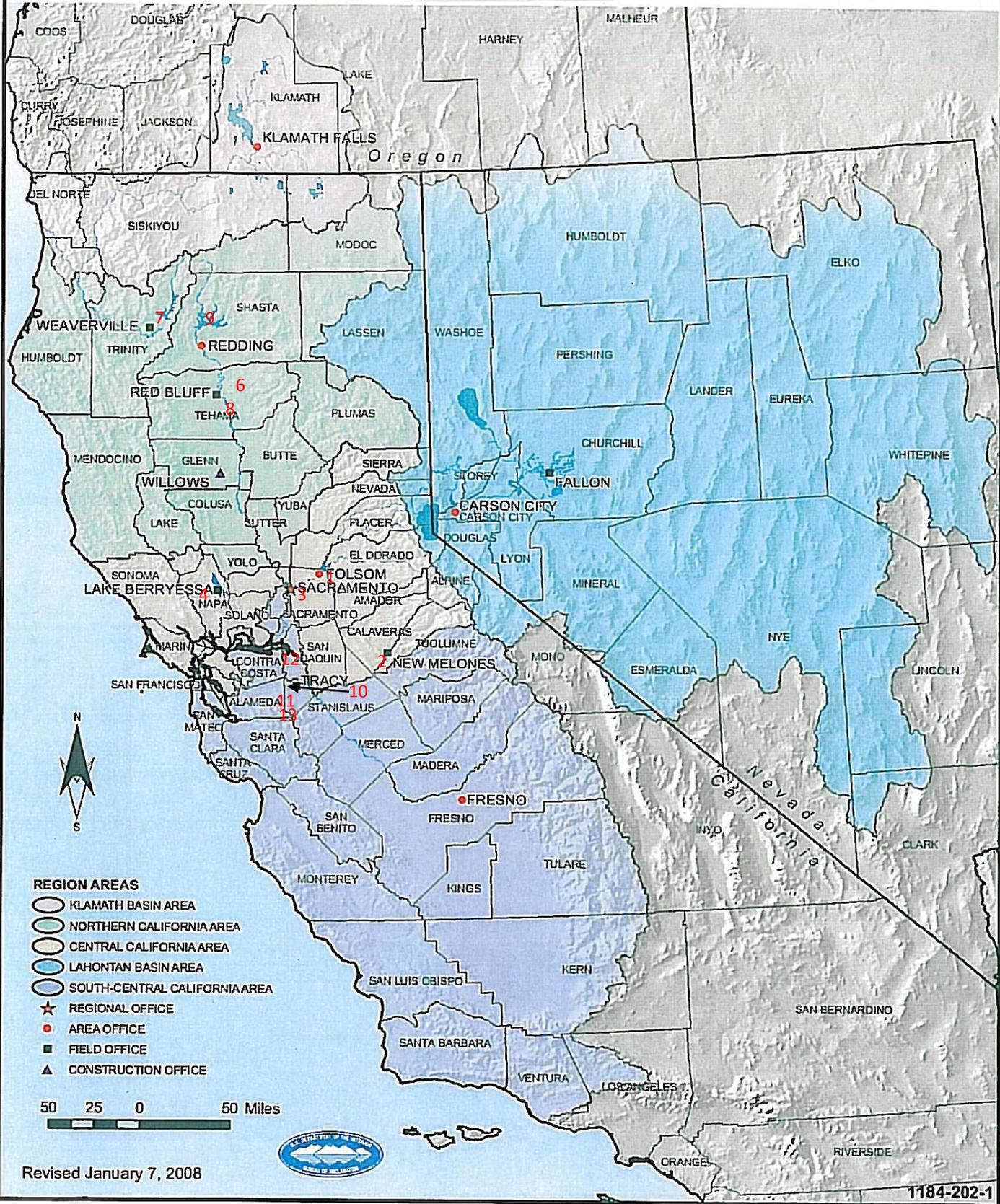
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Mid-Pacific Region

RECLAMATION
Managing Water in the West



STAFFING – MID PACIFIC CONSTRUCTION OFFICE

The Mid Pacific Construction Office had 77 construction and administrative employees at the close of this month as follows:

Construction Engineer's Office	2
Preaward & Project Management Group	3
Administrative Management	12
Division of Field Engineering	29
Division of Office Engineering	13
Materials Lab Branch	10
Detail/Contract Employees	8

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

MEANING

ARRA	American Recovery and Reinvestment Act
CCAO	Central California Area Office
CVP	Central Valley Project
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 – American River Division – Folsom Unit - Central Valley
Project, California
Abide International, Inc., Sonoma, CA

Work Performed:	September	0%
	Time Elapsed	77.6%
	Work Completed	30.9%
Contractor Earnings:	September	\$0
	Previous	\$2,529,703.18
	Total to Date	\$2,529,703.18

MPCO Noncontract Costs:	1st Quarter Expenditures:	\$60,408.00
	2nd Quarter Expenditures:	\$81,722.00
	3rd Quarter Expenditures:	\$20,432.00
	4th Quarter Expenditures:	\$57,682.00
	FY12 Cumulative Total:	\$220,244.00
	FY12 Budgeted:	\$205,925.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

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

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Bill Linder, MPCO-312

Number of Contract Employees: 3

Work performed:
As the main contractor for this project, Abide International, Inc. was present at the jobsite coordinating and overseeing all activities related to the Fixed Wheel Gates Rehabilitation Project.

At the beginning of this month the contractor finished refurbishing the wooden seals on the stop logs. They were covered with Tyvek material to protect them from the heat and the elements. The trash racks were removed and the stop logs were installed at unit number one (1). Through the following days it was realized that the leakage on the stop logs was way over the 350 gpm limit and Abide International, Inc. brought the C&W Diving sub-contractor to try to control it. The attempt was not successful obligating CCAO to close the Fixed Wheel Gate as a safety measure to prevent damage to the facility and personnel. From this moment on and through the rest of the month of September the contractor has been working on submitting a plan to stop the leakage on the stop logs so they can continue working on the contract.

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

Work Performed:	September	1.8%
	Time Elapsed	56.6%
	Work Completed	53.9%
Contractor Earnings:	September	\$356,627.70
	Previous	\$10,281,232.94
	Total to Date	\$10,637,860.64
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$26,495.00
	2nd Quarter Expenditures:	\$63,358.00
	3rd Quarter Expenditures:	\$21,515.00
	4th Quarter Expenditures:	\$28,493.00
	FY12 Cumulative Total:	\$139,861.00
	FY12 Budgeted:	\$206,325.00
	Amount Remaining:	\$66,464.00
	Percent Remaining:	32.21%

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

Office Engineering
Contract Administrator: Madelyn Giles, MPCO-210

Invoice 7 was received this period and forwarded to the Denver finance office for processing.

Modifications 9, 10, and 11 were executed this period.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Sergio Vivar, MPCO-311, Sean Frische, MPCO-317

Number of Contract Employees: 0

Work performed:
No worked was performed. The contractor demobilized on October 28, 2011, and is scheduled to remobilize in October 2012.

Contract No. R10PC20767

Specification No. 20-C0703

Folsom Power Plant U1, U2, and U3 Replacement Runners – American River Division – Folsom Unit – Central Valley Project, California

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

Work Performed:	September	0%
	Time Elapsed	75.1%
	Work Completed	72.1%
Contractor Earnings:	September	\$0
	Previous	\$5,283,450.21
	Total to Date	\$5,283,450.21

Note: Costs are included with Contract No. R10PC20019, Folsom Power Plant Generators U1, U2, and U3 Rewind and Excitation System Replacement.

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Madelyn Giles, MPCO-210

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. R10PC20128
Specification No. 20-C0706
New Melones Power Plant Excitation System Replacement – East Side Division – New Melones Unit – Central Valley Project, California
Koontz Electric Company, Inc., Morrilton, AR

Work Performed:	September	0%
	Time Elapsed	94.2%
	Work Completed	99.1%
Contractor Earnings:	September	\$0
	Previous	\$2,386,512.50
	Total to Date	\$2,386,512.50
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$6,734.00
	2nd Quarter Expenditures:	\$38,417.00
	3rd Quarter Expenditures:	\$65,201.00
	4th Quarter Expenditures:	\$31,078.00
	FY12 Cumulative Total:	\$141,430.00
	FY12 Budgeted:	\$144,750.00
	Amount Remaining:	\$3,320.00
	Percent Remaining:	2.29%

Area Office Project Management
Project Manager: Terry Brown, CC-606a

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

Submittals, including as-built drawings, remain to be provided by the contractor.

The date of substantial completion was May 23, 2012.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Dennis Schuenemann, MPCO-338

Number of Contract Employees: 0

Work performed:
The contractor demobilized from the site on May 24, 2012.

The contractor performed no site work this period. The contractor still has to provide a backup central processing unit per the specifications.

Contract No. R09PC20171
Specification No. 20-C0720
Nimbus Powerplant HVAC System Modification – American River Division – Folsom Unit,
Central Valley Project, California
Perryman Mechanical, Inc., West Sacramento, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	79.9%
Contractor Earnings:	September	\$0
	Previous	\$428,963.09
	Total to Date	\$428,963.09
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$2,401.00
	2 nd Quarter Expenditures:	\$809.00
	3 rd Quarter Expenditures:	\$5,726.00
	4 th Quarter Expenditures:	\$3,326.00
	FY 12 Cumulative Total:	\$12,262.00
	FY 12 Budgeted:	\$12,000.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

Area Office Project Management
 Brian Zewe, CC-607A

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

Work performed:
 All site work, except for punch list items, has been completed.

Contract No. R10PC20R49

Specification No. 20-C0733

Lake Berryessa ADA Accessibility Improvements – ARRA Project No. 49.000 – Lake Berryessa
Recreational Area, Solano Project, California CSRW, Inc. (DBA) Allied Construction Services,
Livermore, CA

Work Performed:	September	6.3%
	Time Elapsed	100%
	Work Completed	100%

Contractor Earnings:	September	\$67,592.24
	Previous	\$1,009,294.48
	Total to Date	\$1,076,886.72

MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$3,233.00
	2 nd Quarter Expenditures:	\$4,522.00
	3 rd Quarter Expenditures:	\$12,697.00
	4 th Quarter Expenditures:	-\$917.00
	FY 12 Cumulative Total:	\$19,535.00
	FY 12 Budgeted:	\$19,500.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

Area Office Project Management

Project Manager: Nicole Johnson, CC-605c

Office Engineering

Contract Administrator: Amber Pierce, MPCO-205

Invoice 8 (final) was received this period and forwarded to the Denver finance office for processing.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Henry Garcia, MPCO-310

Number of Contract Employees: 0

Work performed:

Site work was completed in September 2011.

Contract No. R10PC20R37

Specification No. 20-C0738

New Melones ADA Accessibility – ARRA Project No. 50.000 – New Melones Recreation Area,
East Side Division – New Melones Unit - Central Valley Project, California

J.I. Garcia Construction, Inc., Fresno, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	96.5%

Contractor Earnings:	September	\$0
	Previous	\$1,333,872.80
	Total to Date	\$1,333,872.80

MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$13,703.00
	2 nd Quarter Expenditures:	\$14,164.00
	3 rd Quarter Expenditures:	\$28,161.00
	4 th Quarter Expenditures:	\$13,333.00
	FY 12 Cumulative Total:	\$69,361.00
	FY 12 Budgeted:	\$79,338.00
	Amount Remaining:	\$9,977.00
	Percent Remaining:	12.58%

Area Office Project Management

Project Manager: Nicole Johnson, CC-605c

Office Engineering

Contract Administrator: Amber Pierce, MPCO-205

No invoices were received this period.

The contractor has to submit as-built drawings.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Henry Garcia, MPCO-310

Number of Contract Employees: 0

Work performed:

All site work was completed in August 2012.

Contract No. R10PC20R24
Specification No. 20-C0751
Folsom Dam, Safety of Dams Modifications, Spillway Piers and Gates – American River
Division – Folsom Unit, Central Valley Project, California
Kiewit Infrastructure West Co., Folsom, CA

Work Performed:	September	0%
	Time Elapsed	81.7%
	Work Completed	99.3%
Contractor Earnings:	September	\$0
	Previous	\$17,361,594.11
	Total to Date	\$17,361,594.11
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$48,656.00
	2 nd Quarter Expenditures:	\$24,197.00
	3 rd Quarter Expenditures:	\$261.00
	4 th Quarter Expenditures:	\$0.00
	FY 12 Cumulative Total:	\$73,114.00
	FY 12 Budgeted:	\$63,230.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

Area Office Project Management
Project Manager: Larry Hobbs, CC-106

Office Engineering
Contract Administrator: Kyle Hughes, MPCO-324.

No invoices were received this period.

The substantially complete date was December 12, 2011.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Howard Diedrich, MPCO-316

Number of Contract Employees: 0

Work performed:
No site work was performed because the contractor completed all site work including punch list items.

Contract No. R10PC20114
Specification No. 20-C0754
Folsom Dam – Safety of Dams Modification – MIAD Key-Block – American River Division,
Folsom Unit, Central Valley Project, California.
Shimmick Construction Co., Inc., Sacramento, CA

Work Performed:	September	3.4%
	Time Elapsed	81.2%
	Work Completed	86.4%
Contractor Earnings:	September	\$1,535,921.72
	Previous	\$37,544,884.60
	Total to Date	\$39,080,806.32
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$429,330.00
	2 nd Quarter Expenditures:	\$388,350.00
	3 rd Quarter Expenditures:	\$351,168.00
	4 th Quarter Expenditures:	\$361,856.00
	FY 12 Cumulative Total:	\$1,530,704.00
	FY 12 Budgeted:	\$1,654,440.00
	Amount Remaining:	\$123,736.00
	Percent Remaining:	7.48%

Area Office Project Management
Project Manager: Larry Hobbs, CC-106

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

Invoice 25 was received this period and forwarded to the Denver finance office for processing.

Field Engineering
Construction Manager: Henry Garcia, MPCO-310
Construction Representative: Howard Diedrich, MPCO-316, Sean Frische, MPCO-317

Number of Contract Employees: 36

Worked Performed:

CELL F:

Shimmick Construction Co., Inc. finished excavation from Level 2 (elevation 353') to Level 5 (elevation 321'). Bracing installation was completed on Levels 2, 3, and 4, Level 5 was partially complete. Minor seepage was observed on the secant wall on the northeast, southeast, and east walls of this cell. Previously seepage areas have decreased to minimal amount.

CELL C:

Shimmick Construction Co., Inc. finished excavation from Level 1 (elevation 370') to Level 4 (elevation 330'). Bracings installation was completed on Level 1, 2, and 3. There was an issue with seepage water in this cell during excavation.

SWPPP:

Shimmick Construction Co., Inc. track walked the drill spoils stockpile and installed 3500lf of straw wattle to prepare for the hydro-seeding.

MODIFICATION 005:

Shimmick Construction Co., Inc. continued backfilling the abandoned wells in Cell A, E, and D. Ninety five wells were completed with 101cyds of pea-gravel.

Shimmick Construction Co., Inc. started on the final slope stabilization at the primary settling pond site to implement SWPPP.

MODIFICATION 007:

Shimmick Construction Co., Inc. finished installing all the dewatering pumps at Cell C. Dewatering system is fully operational in both Cells C and F. SMUD finished energizing the dewatering transformer. One of the two 800kw generators was taken offsite.

Active Treatment System (ATS) replaced two of the four bay-oxide tanks for arsenic treatment.

Cartridge filters for the arsenic treatment are being back-flushed twice a week to prevent cartridge loading.

Shimmick Construction Co., Inc.'s consultant HSI continued monitoring and recording data from the supplemental dewatering system for the two cells. Daily average was 363gpm dewatered out of both cells.



Folsom Dam–Safety of Dams Modification–MIAD Key-Block

The contractor repairing the pin on the 12 cubic yard muck bucket by welding the plate holding the pin to the side of the bucket

Contract No. R10PC20R57

Specification No. 20-C0760

Folsom Dam Civil Maintenance Building – American River Division – Folsom Unit - Central Valley Project, California

Building Solutions Inc., Reno, NV

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	87.40%
Contractor Earnings:	September	\$0
	Previous	\$5,902,808.14
	Total to Date	\$5,902,808.14
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$155,201.00
	2nd Quarter Expenditures:	\$90,027.00
	3rd Quarter Expenditures:	\$80,859.00
	4th Quarter Expenditures:	\$82,255.00
	FY 12 Cumulative Total:	\$408,342.00
	FY 12 Budgeted:	\$363,200.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

Area Office Project Management

Project Manager: Ed Roza, CC-608

Office Engineering

Contract Administrator: Laurie Larson, MPCO-222

No invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Michael E. Manlick, MPCO-313

Number of contract employees: 6

Work Performed:

Iron Mechanical performed miscellaneous pick-up work. They also reviewed the control operator associated with gravity Relief Hood 3 and determined that fire suppression piping prevented lowering the control operator out of the Class I, Division 2 space.

Rex Moore replaced the secondary power supply, installed three new batteries for the fire alarm and detection system.

Rex Moore installed RMC and circuit wiring for the air dryers located in each of the three air compressors. They also completed installing the back ordered fluorescent lighting fixture parts. They also mounted RMC on the fuel station concrete pad and pulled Cat 5E cable from the existing warehouse to the refueling station card reader.

A Rex Moore electrician continued unwiring connections and installing gas tight conduit fittings within the garage area and installing conduit seal fittings above 18 inches for all conduits. The electrician also installed seal fittings at the floor connections for those conduits which leave to other rooms and applied EYC seal fitting compound for each seal fitting.

Building Solutions Inc. installed a 60"x36" mirror over the lavatory counter in the Unisex Toilet room #126 of Quad C.

Contract No. R10PC20197
Specification No. 20-C0768
Control Upgrade and Modernization of the Gantry and Bridge Cranes at the Folsom Dam and
Powerplant – American River Division - Folsom Unit - Central Valley Project, California
Crane America Services, Inc., Livermore, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	90.0%
Contractor Earnings:	September	\$0
	Previous	\$1,708,179.58
	Total to Date	\$1,708,179.58
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$19,742.00
	2nd Quarter Expenditures:	\$65,536.00
	3rd Quarter Expenditures:	\$69,586.00
	4th Quarter Expenditures:	\$34,427.00
	FY12 Cumulative Total:	\$189,291.00
	FY12 Budgeted:	\$66,073.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

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

Office Engineering
Contract Administrator: Madelyn Giles, MPCO-210

No invoices were received this period.

Substantially complete date was June 27, 2012.

The contractor has to complete punch list items.

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

Number of Contract Employees: 2

Work performed:
The contractor worked on but did not complete punch list items.

Contract No. R10PC20196
Specification No. 20-C0769
Control Upgrade and Modernization of the Gantry Crane at Nimbus Powerplant – American River Division - Folsom Unit - Central Valley Project, California
Crane America Services, Inc., Livermore, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	88.8%
Contractor Earnings:	September	\$0
	Previous	\$456,650.16
	Total to Date	\$456,650.16

MPCO Noncontract Costs: Costs are included with Contract No. R10PC20197, Control Upgrade and Modernization of the Gantry and Bridge Cranes at the Folsom Dam and Powerplant.

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

Office Engineering
Contract Administrator: Madelyn Giles, MPCO-210

No invoices were received this period. The next invoice will be the final invoice.

The substantial completion date was June 23, 2011.

The only contract work remaining is for the contractor to submit final data.

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

Number of Contract Employees: 0

Work performed:
All site work is complete.

Contract No. R10PC20859

Specification No. None

Folsom Dam and Powerplant Site Security System – American River Division – Folsom Unit -
Central Valley Project, California

Trofholtz Technologies, Inc., Rocklin, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	96.0%
Contractor Earnings:	September	\$83,505.58
	Previous	\$6,113,853.35
	Total to Date	\$6,113,853.35
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$16,862.00
	2nd Quarter Expenditures:	\$51,372.00
	3rd Quarter Expenditures:	\$45,038.00
	4th Quarter Expenditures:	\$47,420.00
	FY 12 Cumulative Total:	\$160,692.00
	FY 12 Budgeted:	\$178,100.00
	Amount Remaining:	\$17,408.00
	Percent Remaining:	9.77%

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

No Invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Phil Moseby, MPCO-327

Number of Contract Employees: 7

Work Performed:

The contractor began field testing the security management system

Miscellaneous:

Congressmen Dan Lungren visited the site to see the security management system and was very impressed saying the installed system was the best he had seen.

KBAO

There were no active construction projects underway for the Klamath Basin Area Office in September 2012.

LBAO

There were no active construction projects underway for the Lahontan Basin Area Office in September 2012.

NCAO

Contract No. R10PC20746
Specification No. 20-C0700
Coleman National Fish Hatchery Water Intakes Rehabilitation – Shasta Division – Central Valley Project, California
Shimmick Construction, Inc., Sacramento, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	97.8%
Contractor Earnings:	September	\$0
	Previous	\$7,915,099.25
	Total to Date	\$7,915,099.25
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$99
	2 nd Quarter Expenditures:	\$7,454.00
	3 rd Quarter Expenditures:	-\$2,974.00
	4 th Quarter Expenditures:	\$0.00
	FY12 Cumulative Total:	\$4,579 .00
	FY12 Budgeted:	\$5,859.00
	Amount Remaining:	\$1,280.00
	Percent Remaining:	21.85%

Area Office Project Management
Project Manager: Hank Harrington, NC-210

Office Engineering
Contract Administrator: Kevin Jacobs, MPCO-214

No invoices were received this period.

The contractor has only to complete final submittals.

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

Number of Contract Employees: 0

Work performed:
Site work is complete.

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	September	0%
	Time Elapsed	100%
	Work Completed	98.0%
Contractor Earnings	September	\$0
	Previous	\$14,918,516.31
	Total to Date	\$14,918,516.31
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$69,757.00
	2 nd Quarter Expenditures:	\$118,436.00
	3 rd Quarter Expenditures:	-\$2,190.00
	4 th Quarter Expenditures:	\$4,176.00
	FY12 Cumulative Total:	\$190,179.00
	FY12 Budgeted:	\$234,395.00
	Amount Remaining:	\$44,216.00
	Percent Remaining:	18.86%

Area Office Project Management
Program Manager: John Dotter, NC-261

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: 3

Worked Performed:
The contactor performed rotor balancing and worked on punch list items.

Contract No. R10PC20R09

Specification No. 20-C0740

Red Bluff Pumping Plant and Fish Screen, Landfill Excavation and Canal, Siphon and Access
Bridge – Sacramento River Division – Sacramento Canals Unit – Central Valley Project,
California

West Bay Builders, Red Bluff, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	98.4%

Contractor Earnings:	September	\$0
	Previous	\$23,352,177.42
	Total to Date	\$23,352,177.42

MPCO Noncontract Costs: Costs are included with Contract No. R10PC20R33, Red Bluff Pumping Plant and Fish Screen.

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

No invoices were received this period.

Modification was being prepared this period.

The contractor still has to provide some certified payrolls and final submittals.

The substantially complete date was December 2, 2011.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: David Derk, MPCO-334

Number of Contract Employees: 0

Work Performed:

No work was performed as site work was completed in January 2012.

Contract No. R10PC20R33
Specification No. 20-C0752
Red Bluff Pumping Plant and Fish Screen – Sacramento River Division – Sacramento Canals
Unit – Central Valley Project, California
Balfour Beatty Infrastructure, Inc., Red Bluff, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	97.1%
Contractor Earnings:	September	\$0
	Previous	\$74,204,087.81
	Total to Date	\$74,204,087.81
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$644,209.00
	2 nd Quarter Expenditures:	\$424,399.00
	3 rd Quarter Expenditures:	\$508,003.00
	4 th Quarter Expenditures:	\$134,806.00
	FY12 Cumulative Total:	\$1,711,417.00
	FY12 Budgeted:	\$1,944,845.00
	Amount Remaining:	\$233,428.00
	Percent Remaining:	12.00%

Area Office Project Management
Project Manager: Bill Vanderwaal

Office Engineering
Contract Administrator: Kevin Jacobs, MPCO-214

Invoice 27 was received this period and forwarded to the Denver finance office for processing. It was not for work done this period, but for work done through August 27, 2012.

Field Engineering
Construction Manager: Randy Wyatt, MPCO-305
Construction Representative: Dave Derk, MPCO-334 and Luke Smith, MPCO-309

Number of Contract Employees: 25

Work Performed:
Balfour Beatty Infrastructure, Inc., workers completed all concrete repair work on the fish screen, and started working on punch list items. Workers concentrated on concrete repairs around the pumping plant structure, completed application of the concrete floor hardener in the control building, and started working on the punch list items. Balfour Beatty workers cleaned up the site, demobilized. They also worked on punch list items.

Central Sierra Electric electricians worked on the pumping plant punch list items, installed the remaining wiring and equipment at the Tehama Colusa Canal Check Stations 1 and 2, the flow meters at Check Station 1 and in the Colusa Canal, and wiring inside the former Bureau of Reclamation office.

A Door Company worker enabled the safety controls on both roll-up doors in the control building which completed the rollup door operation.

An Eaton Corporation technician completed the required training of pumping plant personnel.

F D Thomas painters completed touch-up coating of the fish screen solid panels and continued touch-up coating of the pumping plant building and equipment.

Green Vista Landscaping workers completed hydro seeding bare slopes around the project site including the stockpile management areas.

Meyers Earthwork workers completed dressing up all the access roads.

Power-Up Electric workers completed back-up diesel generator testing and all training.

The Redline testing technician took readings on the switchyard back-up diesel generator.

Sabah International workers completed all components of the fire alarm and clean agent suppression systems in the control building and completed the fire suppression and alarm systems training.

Representatives of Tesco Controls programmed the supervisory control and data acquisition system, and the programmable logic controller (PLC) at the pumping plant for various criteria. They also installed desktop and laptop computers at the Tehama Colusa Canal A Office and Willows office, programmed the PLC at Checks 1 and 2 and the radio controller between Check 2 and the canal flow meter.

One WV Alton technician was onsite completing repair work on a 20-ton unit and a 6-ton unit at the pumping plant.



Red Bluff Pumping Plant and Fish Screen
Balfour Beatty Infrastructure Inc. worker cleaning the control building and applying
concrete floor hardener—

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:	September	0%
	Time Elapsed	77.1%
	Work Completed	66.0%
Contractor Earnings:	September	\$0
	Previous	\$7,502,740.65
	Total to Date	\$7,502,740.65

MPCO Noncontract Costs-Unit 1:	1 st Quarter Expenditures:	\$34,398.00
	2 nd Quarter Expenditures:	\$48,523.00
	3 rd Quarter Expenditures:	\$29,040.00
	4 th Quarter Expenditures:	\$29,818.00
	FY12 Cumulative Total:	\$141,779.00
	FY12 Budgeted:	\$148,300.00
	Amount Remaining:	\$6,521.00
	Percent Remaining:	4.40%

MPCO Noncontract Costs-Unit 2:	1 st Quarter Expenditures:	\$5,409.00
	2 nd Quarter Expenditures:	\$3,561.00
	3 rd Quarter Expenditures:	\$1,946.00
	4 th Quarter Expenditures:	\$0.00
	FY12 Cumulative Total:	\$10,916.00
	FY12 Budgeted:	\$15,000.00
	Amount Remaining:	\$4,084.00
	Percent Remaining:	27.23%

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: 6

Work performed:

A subcontractor completed rotor balancing and welded counter weights to the rotor.

Contract No. R12PC20044
Specification No. 20-C0774a
Station Service Switchgear Replacement – Trinity River Division – Central Valley Project,
California
Eaton Corporation, Raleigh, NC

Work Performed:	September	0%
	Time Elapsed	48.1%
	Work Completed	0.4%
Contractor Earnings:	September	\$0
	Previous	\$9,600.59
	Total to Date	\$9,600.59

MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$0.00
	2 nd Quarter Expenditures:	\$5,708.00
	3 rd Quarter Expenditures:	\$13,614.00
	4 th Quarter Expenditures:	-\$3,742.00
	FY12 Cumulative Total:	\$15,580.00
	FY12 Budgeted:	\$34,740.00
	Amount Remaining:	\$19,160.00
	Percent Remaining:	55.15%

Area Office Project Management
Project Manager: Jeff Gifford, NC-221

Office Engineering
Contract Administrator: Ryan Hennigan, MPCO-214

Notice to Proceed date: April 2, 2012

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:
Onsite work has not begun. Mobilization is scheduled to begin at Spring Creek Power Plant on October 16, 2012, at JF Carr Power Plant on December 20, 2012, and at Trinity Power Plant on February 6, 2013.

Contract No. R11PC20124
Specification No. 20-C0780
Coleman National Fish Hatchery Barrier Weir Site Modifications – Shasta Division – Central Valley Project, California
Contractor Services Group, Inc., West Sacramento, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	45.3%
Contractor Earnings:	September	\$0
	Previous	\$397,421.95
	Total to Date	\$397,421.95
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$8,993.00
	2nd Quarter Expenditures:	\$16,189.00
	3rd Quarter Expenditures:	\$15,785.00
	4th Quarter Expenditures:	\$38,825.00
	FY 12 Cumulative Total:	\$79,792.00
	FY 12 Budgeted:	\$129,355.00
	Amount Remaining:	\$49,563.00
	Percent Remaining:	38.32%

Area Office Project Manager
 Jim Goodwin, MP-200

Office Engineering
 Contract Administrator: Ryan Hennigan, MPCO-211

No invoices were received this period.

Notice to proceed was issued October 13, 2011.

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

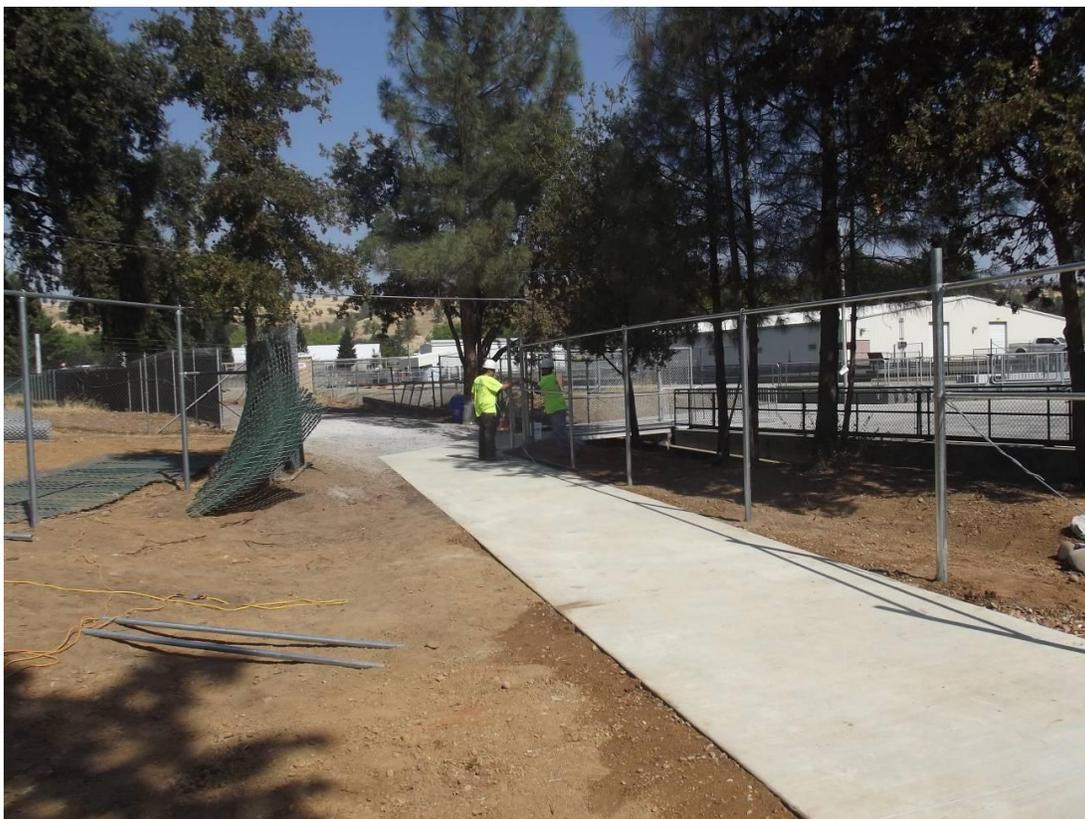
Number of Contract Employees: 29

Work performed:
 Contractor Services Group:
 The contractor worked on removing the dewatering system from both cofferdams for the viewing platform and overshot gate. The contractor backfilled the viewing platform structure and installed riprap around the structure.

Subcontractor Get'er Done performed the following work:

- Formed and placed the viewing platform deck
- Finished installing the handrails and bollards at the viewing platform
- Assisted subcontractor, Get'er Done, with removal of the shoring system used to build the counter lever section of the viewing platform.
- Installed the handicap ramps and handrails at the new fish ladder cap
- Installed the trash rack extension at the fish ladder cap
- Installed the aluminum grade at the walkway
- Repaired the coating at the overshot gate
- Assisted subcontractor, Builtware, with installation of the overshot gate weir extension, separator and the new cables for the hoist assembly
- Assisted Builtware with installation of the perforated metal plate and handrails at the bridge entrance

Subcontractors MTI and MPE performed quality control for the backfill operation and concrete placement. Subcontractor, Strange and Son Fencing, installed the fence on the walkway, pathway and viewing platform areas. Subcontractor, Greenscape, hydro seeded the disturbed areas along the contractor's use area.



Coleman National Fish Hatchery Barrier Weir Site Modifications
Subcontractor Strange and Son Fencing installing the fence at the pathway, walkway and viewing platform

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:	September	0%
	Time Elapsed	98.1%
	Work Completed	30.3%
Contractor Earnings:	September	\$0
	Previous	\$93,848.15
	Total to Date	\$93,848.15
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$0.00
	2 nd Quarter Expenditures:	\$3,748.00
	3 rd Quarter Expenditures:	\$22,747.00
	4 th Quarter Expenditures:	\$19,821.00
	FY12 Cumulative Total:	\$46,316.00
	FY12 Budgeted:	\$68,910.00
	Amount Remaining:	\$22,594.00
	Percent Remaining:	32.79%

Area Office Project Management
Project Manager: Bob Gee, NC-230

Office Engineering
Contract Administrator: Ryan Hennigan, MPCO-214

Notice to Proceed date: April 26, 2012

No invoices were received this period.

Modification 1, incorporating changes in the /HVAC system, was executed this period.

Field Engineering
Construction Manager: Steve Holmes, MPCO-320
Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 4

Work performed:
The contractor performed the following work.

- Completed installation of water pipe for the drain and supply lines to the 3 units in the attic above the 7th floor control room.

- Completed installing the electrical disconnects in the attic for the control room and computer room HVAC systems
- Began the modification work by installing the main unit for the computer room in the 7th floor attic.
- Started up two HVAC systems in the 7th floor control room
- Worked to commission the unit in the 7th floor attic and successfully tested the unit for leaks and turned the power turned on
- Determined the electrical power supplying the unit was higher (498 volts) which is higher than the 490 volts allowed by the fuse, so will install buck transformers to reduce the voltage

Contract No. R12PC20193
Specification No. 20-C0791
Shasta Dam Traffic Circle Pavement Rehabilitation – Shasta Division – Central Valley Project,
California
Site Work Solutions, Inc., Redding, CA.

Work Performed:	September	54.6%
	Time Elapsed	38.3%
	Work Completed	82.0%
Contractor Earnings:	September	\$270,376.04
	Previous	\$8,583.23
	Total to Date	\$278,959.27
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$0.00
	2 nd Quarter Expenditures:	\$0.00
	3 rd Quarter Expenditures:	\$1,766.00
	4 th Quarter Expenditures:	\$9,747.00
	FY12 Cumulative Total:	\$11,513.00
	FY12 Budgeted:	\$15,580.00
	Amount Remaining:	\$4,067.00
	Percent Remaining:	26.10 %

Area Office Project Management
Project Manager: Bob Gee, NC-230

Office Engineering
Contract Administrator: Casandra Arthur, MPCO-245

Notice to Proceed date: August 6, 2012

Invoices 2, 3, and 4 were received this period and forwarded to the Denver finance office for processing. Invoice 2 was not for work done this period but was for work through August 23, 2012. Invoices 3 and 4 were for work done this period.

Field Engineering
Construction Manager: Steve Holmes, MPCO-320
Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 4

Work performed:
The contractor set up the traffic control to divide the work areas up into three phases of construction. The contractor performed the demolition, placed and compacted a nine inch layer of backfill, and then had a subcontractor perform the asphalt paving in two lifts for a total of

three inches. A subcontractor performed the compaction testing and material sampling. To date the paving is completed; striping remains to be done.

Contract No. R10PC20025

Specification No. None

Coleman Fish Hatchery Water Intakes Vegetation Replacement and Monitoring – Shasta

Division – Central Valley Project, California

Tehama Environmental Solutions, Inc., Red Bluff, CA

Work Performed:	September	0%
	Time Elapsed	38.1%
	Work Completed	88.4%
Contractor Earnings:	September	\$0
	Previous	\$626,095.31
	Total to Date	\$626,095.31
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$2,445.00
	2 nd Quarter Expenditures:	\$1,241.00
	3 rd Quarter Expenditures:	-\$208.00
	4 th Quarter Expenditures:	\$100.00
	FY 12 Cumulative Total:	\$3,578.00
	FY 12 Budgeted:	\$6,000.00
	Amount Remaining:	\$2,422.00
	Percent Remaining:	40.37%

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: Daniel Pavone, MPCO-333

Number of Contract Employees: 0

Work performed:

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

Contract No. R11PC20235

Specification No. None

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

Work Performed:	September	0%
	Time Elapsed	9.4%
	Work Completed	63.3%

Contractor Earnings:	September	\$0
	Previous	\$2,924,666.72
	Total to Date	\$2,924,666.72

MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$644,209.00
	2 nd Quarter Expenditures:	\$424,399.00
	3 rd Quarter Expenditures:	\$508,003.00
	4 th Quarter Expenditures:	\$134,806.00
	FY12 Cumulative Total:	\$1,711,417.00
	FY12 Budgeted:	\$1,944,845.00
	Amount Remaining:	\$233,428.00
	Percent Remaining:	12.00 %

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Matthew Byrne, MPCO-255

Invoice 4 was received this period and forwarded to the Denver finance office for processing. It was not for work done this period but for work done through August 24, 2012.

Modification 1, providing equitable adjustment for several contract line items, was executed this period.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: Daniel Pavone, MPCO-333

Number of Contract Employees: 10

Work performed:

The contractor performed the following work:

- Collected willows cuttings within and outside of the construction site
- Worked on repairing the 6" main water line at the Forest Service parking lot

- Worked on planting the willows cuttings for the vegetated rock toe protection between stations 7+50 and 9+50.

Meyers Earthwork placed and graded cobble bedding at the lower and upper inlet channels between approximate stations 10+00 and 15+00, and excavated on the south end of the channel at approximate stations 30+00 and 30+50.

SCCAO

Contract No. R10PC20R32
Specification No. 20-C0749
Fish Screen Structure Phase 3, Contra Costa Canal – Central Valley Project, California
Flatiron West, Inc., Oakley, CA

Work Performed:	September	0%
	Time Elapsed	138.0%
	Work Completed	99.4%
Contractor Earnings:	September	\$0
	Previous	\$13,935,225.66
	Total to Date	\$13,935,225.66
MPCO Noncontract Costs::	1 st Quarter Expenditures:	\$113,975.00
	2 nd Quarter Expenditures:	\$42,366.00
	3 rd Quarter Expenditures:	\$42,969.00
	4 th Quarter Expenditures:	\$0.00
	FY12 Cumulative Total:	\$199,310.00
	FY12 Budgeted:	\$215,773.00
	Amount Remaining:	\$16,463.00
	Percent Remaining:	7.63%

Area Office Project Management
Project Manager: John Dealy, TO-406

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

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

Number of Contract Employees: 2

Work performed:
Subcontractor, Transco Inc., continued troubleshooting trash rakes at Rock Slough.

Contract No. R10PC80R23

Specification No. 20-C0761

Delta-Mendota Canal–California Aqueduct Intertie – Central Valley Project – California

Shimmick Construction Company, Inc., Tracy, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	99.2%

Contractor Earnings:	September	\$0
	Previous	\$15,194,493.71
	Total to Date	\$15,194,493.71

MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$351,595.00
	2 nd Quarter Expenditures:	\$269,288.00
	3 rd Quarter Expenditures:	\$136,450.00
	4 th Quarter Expenditures:	\$72,046.00
	FY12 Cumulative Total:	\$829,379.00
	FY12 Budgeted:	\$848,164.00
	Amount Remaining:	\$18,785.00
	Percent Remaining:	2.21%

Non ARRA Costs:	1 st Quarter Expenditures:	\$26,881.00
	2 nd Quarter Expenditures:	\$6,523.00
	3 rd Quarter Expenditures:	-\$1,507.00
	4 th Quarter Expenditures:	-\$52,594.00
	FY12 Cumulative Total:	-\$20,697.00
	FY12 Budgeted:	\$31,897.00
	Amount Remaining:	\$52,594.00
	Percent Remaining:	100.00%

Area Office Project Management

Project Manager: Erika Kegel, MP-730

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

No invoices were received this period.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Chris Van Deusen, MPCO-345

Number of Contract Employees: 3

Work performed:

All site work except for punch list items was completed in May 2012. The contractor and subcontractors worked on punch list items this period.

Purchase Order No. R11PC20155
Specification No.20-C0776a
Delta Cross Channel Gate Control and Lighting Improvements – Central Valley Project,
California
Sierra Range Construction, Visalia, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	88.7%
Contractor Earnings:	September	\$0
	Previous	\$112,405.58
	Total to Date	\$112,405.58
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$10,363.00
	2nd Quarter Expenditures:	\$24,030.00
	3rd Quarter Expenditures:	\$15,693.00
	4th Quarter Expenditures:	\$11,177.00
	FY12 Cumulative Total:	\$61,263.00
	FY12 Budgeted:	\$129,330.00
	Amount Remaining:	\$68,067.00
	Percent Remaining:	52.63%

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

Office Engineering
Contract Administrator: Ryan Hennigan, MPCO-211

No invoices were received this period.

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

Number of Contract Employees: 1

Work Performed:
Gate Control and Lighting System:
On September 20 and 24 Sierra Range Construction returned to the jobsite and trained Bureau of Reclamation personnel on operation of the gate control and lighting panels.



Delta Cross Channel Gate Control and Lighting Improvements
Sierra Range electrician working on the panels

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

Work Performed:	September	0%
	Time Elapsed	27.1%
	Work Completed	8.0%
Contractor Earnings:	September	\$0
	Previous	\$925,459.88
	Total to Date	\$925,459.88
MPCO Noncontract Costs:	1st Quarter Expenditures:	\$26,018.00
	2nd Quarter Expenditures:	\$8,349.00
	3rd Quarter Expenditures:	\$19,883.00
	4th Quarter Expenditures:	\$51,317.00
	FY12 Cumulative Total:	\$105,567.00
	FY12 Budgeted:	\$80,000.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

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: Not yet determined.

Number of Contract Employees: 0

Work performed:
No site work was performed because the contractor has not yet mobilized to the site. The contractor is scheduled to begin site work in February 2013.

Regional

Contract No. R10PC20005
Specification No. 20-C0717
North Fork Screens and Ladders – Battle Creek Salmon and Steelhead Restoration Project,
California
Syblon Reid Contractors, Folsom, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	97.1%
Contractor Earnings:	September	\$0
	Previous	\$11,912,247.39
	Total to Date	\$11,912,247.39
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$119,955.00
	2 nd Quarter Expenditures:	\$31,593.00
	3 rd Quarter Expenditures:	\$47,261.00
	4 th Quarter Expenditures:	\$18,600.00
	FY12 Cumulative Total:	\$217,409.00
	FY12 Budgeted:	\$254,210.00
	Amount Remaining:	\$36,801.00
	Percent Remaining:	14.48%

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 remaining work for the contractor to perform is to gain approval of a few final submittals including as-built drawings.

Field Engineering
Construction Manager: Randy Wyatt, MPCO-305
Construction Representative: John Pospishil, MPCO-321

Number of Contract Employees: 0

Work performed:
The contractor completed all contract site work in December 2011, and demobilized its field office.

Contract No. R10PC20R48

Specification No. 20-C0741

Gray Lodge Wildlife Area and Pixley National Wildlife Refuge Wetlands – Groundwater Well Construction – ARRA Project No. 28.113 – Central Valley Project – East Side Division, California

Sansone Company, Inc., San Luis Obispo, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	97.0%
Contractor Earnings:	September	\$0
	Previous	\$4,791,270.59
	Total to Date	\$4,791,270.59
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$48,128.00
	2 nd Quarter Expenditures:	\$30,301.00
	3 rd Quarter Expenditures:	\$27,195.00
	4 th Quarter Expenditures:	\$8,243.00
	FY12 Cumulative Total:	\$113,867.00
	FY12 Budgeted:	\$110,377.00
	Amount Remaining:	\$0.00
	Percent Remaining:	0.00%

Area Office Project Management

Project Manager: Sonya Nechanicky, MP-410

Office Engineering

Contract Administrator: Laurie Larson, MPCO-222

No invoices were received this period.

Field Engineering

Construction Manager: John E. Nelson, MPCO-328

Construction Representative: Richard T. Nead, MPCO-342

Number of Contract Employees: 0

Work performed:

Pixley

No onsite construction activities this month, contractor has met all of his field contractual obligations and substantially complete has been issued.

Contract No. R10PC20R39

Specification No. 20-C0744

Volta Wasteway Refuge Level 2 Diversification Phase I Project – ARRA Project No. 28.129 –
Central Valley Project, California

Sansone Company Inc., San Luis Obispo, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	99.5%
Contractor Earnings:	September	\$0
	Previous	\$1,704,452.80
	Total to Date	\$1,704,452.80
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$4,347.00
	2 nd Quarter Expenditures:	\$1,283.00
	3 rd Quarter Expenditures:	\$2,839.00
	4 th Quarter Expenditures:	\$1,878.00
	FY12 Cumulative Total:	\$10,347.00
	FY12 Budgeted:	\$26,638.00
	Amount Remaining:	\$16,291.00
	Percent Remaining:	61.16%

Area Office Project Management

Project Manager: Linda Colella, MP-410

Office Engineering

Contract Administrator: Laurie Larson, MPCO-222

No invoices were received this period.

All submittals complete, contractor is submitting final REA.

The substantially complete date was August 12, 2011.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: John Nelson, MPCO-328

Number of Contract Employees: 0

Work performed:

No on site work was performed as all site work has been completed.

Contract No. R10PC20R42
Specification No. 20-C0746
Hydropower Facility Modifications - Stage 1 – Battle Creek Salmon and Steelhead Restoration
Project, California
RTA Construction/Ray Toney JV, Redding, CA

Work Performed:	September	0%
	Time Elapsed	97.0%
	Work Completed	71.9%
Contractor Earnings:	September	\$0
	Previous	\$5,856,392.80
	Total to Date	\$5,856,392.80
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$190,690.00
	2 nd Quarter Expenditures:	\$181,739.00
	3 rd Quarter Expenditures:	\$180,286.00
	4 th Quarter Expenditures:	\$266,679.00
	FY12 Cumulative Total:	\$819,394.00
	FY12 Budgeted:	\$791,895.00
	Amount Remaining:	\$0.00
	Percent Remaining:	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

Number of Contract Employees: 47

Work performed:
66-inch reinforced concrete pipe: The contractor completed grinding down the interior of the pipe joints that were out of tolerance as noted during the pipe inspection and installed and bolted down the blind flanges of the manholes.

84-inch reinforced concrete pipe: The contractor finished placing and compacting 3” minus backfill around the 84” manhole and finished backfilling the upstream ends of the new tailrace

and the baffled outlet. The contractor finished placing the pipe and tie-in collar at the tailrace inlet and continued placing backfill and controlled low-strength material in the trench.

Penstock Bypass Chute: The contractor and subcontractor, Troy Lackey, worked on site restoration of the use area along both sides of the chute.

Inskip Canal Wasteway Structure: Muse placed concrete for the modification of the existing waste way structure.

The contractor cleaned the structure and installed joint sealant in the expansion joints.

Use Areas 2 and 5: The contractor finished spreading topsoil that was stockpiled along the edges of the use areas.

Rock Screen: In Use Area 11 Schnetzer Engineering continued screening for 3'' minus material.

Fencing: M&J Electric installed eight 10-foot ground rods for the section of chain link fence within 200 feet of overhead power lines.

Lower Jump Basin: The contractor placed and compacted backfill material around the downstream end of structure.

Central Fence Co. finished installing fencing around the lower jump structure, and Muse Concrete Construction finished sack and patching the snap tie and holes of the exterior face of the basin.

Upper Jump Basin: Central Fence continued installing fence.

Tailrace Inlet: The contractor finished installing the blocking gate, blocking gate actuator, 84'' tailrace inlet gate, and catwalk.

Muse Concrete placed concrete for the tailrace inlet walls, removed forms, and began sacking and patching the concrete.

Technician, Jeremy Rodgers, of JM Squired, who was representing the gate manufacture, checked the leaks and the gap between the gate and its frame and determined the gates were acceptable.

New Wasteway: The contractor removed the trash racks from the structure, installed joint sealant in expansion joints, and replaced the trash racks.

Miscellaneous Labor: The contractor performed miscellaneous labor tasks including housekeeping, rearranging equipment, organizing tools, and demobilizing unused tools, material, supplies, and equipment.

Demobilization: The contractor dismantled and demobilized the trash pump and dewatering system.

'A' Road: The contractor continued excavating the V-ditches, resumed placing and compacting 3" minus material for the road embankment. The contractor also excavated and placed geotextile fabric and concreted riprap for the upstream and downstream ends of the 30" and 36" culverts and completed backfilling the 36" culvert.

Wing Dikes: The contractor continued constructing the wing dikes along the left side of road A.

Modification 11: Muse finished setting edge forms, installing rebar mats, and constructing expansion joints and water stop for Eagle Canyon Canal shotcrete. Muse finished the period with general cleanup of construction material and debris around Eagle Canyon Canal.

Dees-Hennessy placed shotcrete for Eagle Canyon Canal from the arch culvert to the existing penstock header box.

Modification 12: The contractor began excavation and installation of the electrical conduit from Pacific Gas and Electric's header box to the gate actuator of the new wasteway structure.

M&J Electric began installation of the buried electrical conduit. A detectable marking tape was also installed above the conduit. M&J also installed conduit from Pacific Gas and Electric's header box to the header box control room.

Coleman Canal Outage D: The contractor finished excavation for the baffled outlet connection to Coleman Canal and backfill of the upstream corner of the canal adjacent to the precast block wall and section between baffled and tailrace outlets. The contractor also placed geotextile and concreted rock slope protection on the compacted backfill and placed rock slope protection for the baffled outlet connection to Coleman Canal. Outage D was completed on September 11.



Hydropower Facility Modifications-Stage 1
Subcontractor, Troy Lackey, restoring Use Area 8

Purchase Order No. R10PX20R45
Specification No. 20-C0750
Drought Relief, Well Enhancements – ARRA Project No. 28.000 – Central Valley Project
California
Hydro Resources–West, Inc., Winnemucca, NV

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	47.2%
Contractor Earnings:	September	\$0
	Previous	\$603,766.10
	Total to Date	\$603,766.10

MPCO Noncontract costs: Costs are included with Contract No. R10PX20R54, Drought Relief, Well Enhancements.

Area Office Project Management
Project Manager: Kevin Clancy, MP-410

Office Engineering
Contract Administrator: Ryan Hennigan, MPCO-211

Final payment was made in June 2012.

Acquisition Services is working on a modification to deobligate the excessive funds.

Field Engineering
Construction Manager: John Nelson, MPCO-328
Construction Representative: Mike McCarty, MPCO-308

Number of Contract Employees: 0

Work performed:
No work was done this period as site work was completed in May 2012.

Purchase Order No. R10PX20R54

Specification No. 20-C0750

Drought Relief, Well Enhancements – ARRA Project No. 28.000 – Central Valley Project Don Pedro Pump, LLC–Turlock, CA

Work Performed:	September	0%
	Time Elapsed	100%
	Work Completed	86.5%
Contractor Earnings:	September	\$0
	Previous	\$1,084,249.60
	Total to Date	\$1,084,249.60
MPCO Noncontract Costs:	1 st Quarter Expenditures:	\$20,330.00
	2 nd Quarter Expenditures:	\$5,396.00
	3 rd Quarter Expenditures:	\$15,081.00
	4 th Quarter Expenditures:	\$8,037.00
	FY12 Cumulative Total:	\$48,844.00
	FY12 Budgeted:	\$253,034.00
	Amount Remaining:	\$204,190.00
	Percent Remaining:	80.70%

Area Office Project Management

Project Manager: Kevin Clancy, MP-410

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

No invoices were received this period.

Field Engineering

Construction Manager: John Nelson, MPCO-328

Construction Representative: Mike McCarty, MPCO-308

Number of Contract Employees: 0

Work performed:

No work was performed. Contractor is waiting for Pacific Gas and Electric to provide power.

Contract No. R10PC20R80

Specification No. 20-C0759

Drought Relief – Construction of New Wells – ARRA Project No. 28.002 – California

Layne Christensen Company, Fontana, CA

Work Performed:	September	9.0%
	Time Elapsed	100%
	Work Completed	84.4%

Contractor Earnings:	September	\$0
	Previous	\$13,619,671.88
	Total to Date	\$13,619,671.88

MPCO Noncontract Costs::	1 st Quarter Expenditures:	\$78,267.00
	2 nd Quarter Expenditures:	\$74,373.00
	3 rd Quarter Expenditures:	\$72,643.00
	4 th Quarter Expenditures:	\$26,819.00
	FY12 Cumulative Total:	\$252,102.00
	FY12 Budgeted:	\$457,070.00
	Amount Remaining:	\$204,968.00
	Percent Remaining:	44.84%

Area Office Project Management

Project Manager: Kevin Clancy, MP-410

Office Engineering

Contract Administrator: Laurie Larson, MPCO-222

No invoices were received this period.

Field Engineering

Construction Manager: John E. Nelson, MPCO-328

Construction Representative: Quint I. McCabe, MPCO-304

Modification executed September 25, 2012 that extended the contract until October 31, 2012.

Number of Contract Employees: 4

Work performed:

Removed silt fences, fine grade, and reseed GWD 8.01 and 8.06 as construction at these sites is complete with the exception of PG&E.

GWD Well 8.03; Four Hour Start up Servicing and Field-Testing/Monitoring.

GWD Well 8.04; Four Hour Start up Servicing and Field-Testing/Monitoring.

WSID Well 32; Four Hour Start up Servicing and Field-Testing/Monitoring.

DPWD Well 51a Four Hour Start up.

DPWD Well 54.1 Install discharge line.

Contracts in Warranty Status

R09PC20R03 20-C0677 Transformer K1A and K2A Replacements, Folsom Power

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.

R09PC20017 20-C0708 Marble Bluff Fish Handling Building Reroofing

There was no Office Engineering Administrative activity this period.

5-year roof guarantee extends to March 5, 2015.

R10PC20176 20-C0713 New Melones Resource Area Building Reroofing

There was no Office Engineering Administrative activity this period.

3-year roof guarantee extends to March 25, 2013).

R09PC20126 20-C0727 J.F. Carr Penstock Relining

There was no Office Engineering Administrative activity this period.

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

3-year warranty extends to August 2015.

R09PC20147 20-C0758 New Melones Lake Restroom Building Reroofing

There was no Office Engineering Administrative activity this period.

3-year roof guarantee extends to May 20, 2014.

R10PC20185 20-C0762 Whiskeytown Lake Temperature Control Curtain

There was no Office Engineering Administrative activity this period.

5-year warranty for the geomembrane material extends to June 16, 2016.

R12PC20055 20-C0776b Delta Cross Channel Gate Hoist Wire Rope Replacement

There was no Office Engineering Administrative activity this period.

1-year warranty extends to May 11, 2013.

R11PC20158 20-C0777 Stampede Powerplant and Switchyard Recoatings

There was no Office Engineering Administrative activity this period.

1-year warranty extends to August 12, 2013.

Lab Reports

Aggregate Gradation Summary

From 09/01/2012 to 09/30/2012

Specification : 20-C0746
 Mix Number : ALL Combined for This Specification
 Project : Battle Creek
 Feature : Hydropower Facility Modifications Stage 1

Sand Gradations (ASTM)

Date	Percent Passing							% -200	FINE MOD	Moist %	Spec Grav	Absorp
	No. 3/8"	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100					
Spec Max %	100.0	100.0	100.0	85.0	60.0	30.0	10.0					
Spec Min %	100.0	95.0	80.0	50.0	25.0	10.0	2.0					
09/04/2012	100.0	99.8	81.9	57.1	35.0	16.0	6.0	3.30	3.04	3.50	2.60	2.20
09/05/2012	100.0	99.3	83.1	59.7	37.1	16.5	5.8	3.10	2.99	3.90	2.60	2.20
	100.0	99.3	83.1	59.7	37.1	16.5	5.8	3.10	2.99	3.90	2.60	2.20
09/06/2012	100.0	99.8	82.4	57.1	33.7	13.9	4.8	2.60	3.08	3.80	2.60	2.20
09/28/2012	100.0	99.8	82.9	58.3	34.7	14.3	4.8	2.70	3.05	2.00	2.60	2.20
Average	100.0	99.6	82.7	58.4	35.5	15.4	5.4	2.96	3.03	3.42	2.60	2.20
S.D.	0.0	0.3	0.5	1.3	1.5	1.2	0.6	0.30	0.04	0.81	0.00	0.00
C.O.V.	0.0	0.3	0.6	2.2	4.3	8.0	10.8	10.02	1.42	23.70	0.00	0.00

Aggregate Gradation Summary

From 09/01/2012 to 09/30/2012

Specification : 20-C0746
 Mix Number : ALL Combined for This Specification
 Project : Battle Creek
 Feature : Hydropower Facility Modifications Stage 1

Nominal Size : #8 - 3/8" (ASTM)

Coarse Aggregate Gradations

Date	Percent Passing Screen Sizes in Inches or Sieve Size Shown					% -200	Moist %	Spec Grav	Absorp
	1/2"	3/8"	#4	#8	#16				
Spec Max %	100.0	100.0	30.0	10.0	5.0				
Spec Min %	100.0	85.0	10.0	0.0	0.0				
09/05/2012	100.0	86.1	21.4	1.6	1.1	1.60	1.20	2.65	2.00
	100.0	86.1	21.4	1.6	1.1	1.60	1.60	2.65	2.00
Average	100.0	86.1	21.4	1.6	1.1	1.60	1.40	2.65	2.00
S.D.	0.0	0.0	0.0	0.0	0.0	0.00	0.28	0.00	0.00
C.O.V.	0.0	0.0	0.0	0.0	0.0	0.00	20.20	0.00	0.00

U.S. Bureau of Reclamation
Aggregate Gradation Summary

From 09/01/2012 to 09/30/2012

Specification : 20-C0746
Mix Number : ALL Combined for This Specification
Project : Battle Creek
Feature : Hydropower Facility Modifications Stage 1

Nominal Size : #4 - 1" (ASTM)

Coarse Aggregate Gradations

Date	Percent Passing Screen Sizes in Inches or Sieve Size Shown					% -200	Moist %	Spec Grav	Absorp
	1 1/2"	1"	1/2"	#4	#8				
Spec Max %	100.0	100.0	60.0	10.0	5.0				
Spec Min %	100.0	95.0	25.0	0.0	0.0				
09/04/2012	100.0	99.5	53.4	27.3	5.3	0.30	-2.00	2.54	2.40
09/06/2012	100.0	95.6	35.0	14.5	0.7	0.00	-2.20	2.54	2.40
09/28/2012	100.0	99.2	34.6	1.9	1.5	0.20	-2.20	2.54	2.40
Average	100.0	98.1	41.0	14.6	2.5	0.17	-2.13	2.54	2.40
S.D.	0.0	2.2	10.7	12.7	2.5	0.15	0.12	0.00	0.00
C.O.V.	0.0	2.2	26.2	87.2	98.3	91.65	-5.41	0.00	0.00

U.S. Bureau of Reclamation
Aggregate Gradation Summary

From 09/01/2012 to 09/30/2012

Specification : 20-C0780
Mix Number : ALL Combined for This Specification
Project : Central Valley
Feature : Coleman Fish Hatchery Weir

Sand Gradations (ASTM)

Date	Percent Passing							% -200	FINE MOD	Moist %	Spec Grav	Absorp
	No. 3/8"	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100					
Spec Max %	100.0	100.0	100.0	85.0	60.0	30.0	10.0					
Spec Min %	100.0	95.0	80.0	50.0	25.0	10.0	2.0					
09/18/2012	100.0	97.6	79.9	64.2	43.9	18.5	7.0	3.20	2.89	3.80	2.59	3.40
	100.0	97.6	79.9	64.2	43.9	18.5	7.0	3.20	2.89	3.80	2.59	3.40
Average	100.0	97.6	79.9	64.2	43.9	18.5	7.0	3.20	2.89	3.80	2.59	3.40
S.D.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
C.O.V.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00

Aggregate Gradation Summary

From 09/01/2012 to 09/30/2012

Specification : 20-C0780
 Mix Number : ALL Combined for This Specification
 Project : Central Valley
 Feature : Coleman Fish Hatchery Weir

Nominal Size : #4 - 1 1/2" (ASTM)

Coarse Aggregate Gradations

Date	Percent Passing Screen Sizes in Inches or Sieve Size Shown					% -200	Moist %	Spec Grav	Absorp
	2"	1 1/2"	3/4"	3/8"	#4				
Spec Max %	100.0	100.0	70.0	30.0	5.0				
Spec Min %	100.0	95.0	35.0	10.0	0.0				
09/18/2012	100.0	99.4	51.8	3.5	1.3	0.30	0.00	2.72	1.30
	100.0	99.4	51.8	3.5	1.3	0.30	-0.50	2.72	1.30
Average	100.0	99.4	51.8	3.5	1.3	0.30	-0.25	2.72	1.30
S.D.	0.0	0.0	0.0	0.0	0.0	0.00	0.35	0.00	0.00
C.O.V.	0.0	0.0	0.0	0.0	0.0	0.00	*****	0.00	0.00

10/02/2012

U.S. Bureau of Reclamation
 SUMMARY OF FIELD AND LABORATORY TESTS OF COMPACTED FILL
 CONTROLLED BY THE LABORATORY COMPACTION METHOD

Page 1

PROJECT: Central Valley
 FEATURE: Coleman Weir Site Modifications
 SPECIFICATION NO: 20-C0780

SPECIFICATION REQUIREMENTS:
 Min percent compaction (D-Value): 95.00 %
 Min average D-Value for ALL tests: 95.00 %
 Max DRY Wo-Wf: 2.00
 Max WET Wo-Wf: -2.00

PERIOD OF REPORT: 09/01/2012 - 09/28/2012

FILL NAME: 1 - Structural Backfill

TEST NUMBER	LOCATION		FIELD DENSITY TESTS										LABORATORY VALUES				COMPACTION CONTROL VALUES				VISUAL SOIL CLASS	OTHER TESTS	REMARKS									
			STATION	SET	ELEV	COMP	METH	MAT	MAT	#4	+4	-4	WET	DEN	MOIS	PLUS	SPE	GRAV	AV	97.2				11.8	44	R	115.0	108.3	16.2	80	4.4	94.5
09-07-A-01-R-R	1	8N+SW 10EW																			414	PT	7205									
09-12-A-01-X-A	1	14N+SW 15W	423	PT	7205	136.1	12.3	18.7	2.57	AV	115.4	14.3	85	R	127.3	112.4	15.9	87	1.6	103.6	102.7	NA	(SC)G	N	RE 09-07-12A1							
ACCEPTED TESTS THIS PERIOD: 1			AVG.		136.1	12.3	18.7	2.57			115.4	14.3	85		127.3	112.4	15.9	87	1.6	103.6	102.7											

AV: Assumed Values used for Specific Gravity dependant calculations. +#4=2.75 -#4=2.68

10/02/2012

U.S. Bureau of Reclamation
STATISTICAL SUMMARY OF FIELD AND LABORATORY TESTS OF COMPACTED FILL
CONTROLLED BY THE LABORATORY COMPACTION METHOD

Page 2

PROJECT: Central Valley
FEATURE: Coleman Weir Site Modifications
SPECIFICATION NO: 20-C0780
FILL NAME: 1 - Structural Backfill

SPECIFICATION REQUIREMENTS:
Min percent compaction (D-Value): 95.00 %
Min average D-Value for ALL tests: 95.00 %
Max DRY Wo-Wf: 2.00
Max WET Wo-Wf: -2.00

PERIOD OF REPORT: 09/01/2012 - 09/28/2012

	<u>This Period</u>	<u>To Date</u>
No. of Tests Taken	2	2
No. of Tests Accepted	1	1
No. of Tests Rejected	1	1
No. of Rejected Tests not Re-Checked	0	0
Average Water Content Total Material	12.3	12.3
Average Control Fraction Water Content	14.3	14.3
Average Optimum Water Content	15.9	15.9
Average Wo-Wf	1.6	1.6
Percent of Accepted Tests Dryer Than 2.00	0.0	0.0
Percent of Accepted Tests Wetter Than -2.00	0.0	0.0
Average Wet Density Total Material (PCF)	136.1	136.1
Average Control Fraction Dry Density (PCF)	115.4	115.4
Average Proctor Max Dry Density (PCF)	112.4	112.4
Average Compaction Cylinder Wet Density (PCF)	127.3	127.3
Average Percent #4 Material (%)	18.7	18.7
Average C-Value (%)	103.6	103.6
Average D-Value (%)	102.7	102.7
Percent Accepted with D-Value < 95.0	0.0	0.0
Tests Accepted Outside of Specification Limits	None	None

U.S. Bureau of Reclamation
 SUMMARY OF FIELD AND LABORATORY TESTS OF COMPACTED FILL
 CONTROLLED BY THE LABORATORY COMPACTION METHOD

PROJECT: Battle Creek

SPECIFICATION REQUIREMENTS:

PERIOD OF REPORT: 09/01/2012 - 09/28/2012

FEATURE: Hydropower Facility Mods Stage 1

Min percent compaction (D-Value): 95.00 %
 Min average D-Value for ALL tests: 95.00 %
 Max DRY Wo-Wf: 2.00
 Max WET Wo-Wf: -2.00

SPECIFICATION NO: 20-CO746

FILL NAME: 2 - Structural Backfill

TEST NUMBER		LOCATION		FIELD DENSITY TESTS										LABORATORY VALUES				COMPACTION CONTROL VALUES				VISUAL		OTHER			
M S U T B O H M T A R N D I B Y T R T A F E P U O H Y T R E S W		STATION SET		METH USBR		WET DEN		MOIS		SPEC GRAV		MINUS #4		COMP		MAX OPT		DEG		Wo-Wf C D		PENE		SOIL CLASS		TESTS REMARKS	
				OF TEST		TOT		PLUS		3/4 +3/4 -3/4		DRY DEN		MOIS CONT		SAT											
				METH		MAT		MAT		3/4 +3/4 -3/4		PCF		PCF		%		%		%		PSI					
09-25-A-01-R-R	1	17+50	CL	1352	SR	7205	112.9	11.3	13.3	2.62	AV	96.2	12.6	46	R	111.4	108.0	16.9	83	4.3	97.2	89.1	NA	(GC)S	N	Failure	
09-27-A-01-R-R	1	HB +40	CL	1389	PT	7205	129.2	9.2	38.3	2.57	AV	102.9	13.0	56	R	126.7	117.6	15.3	97	2.3	91.8	87.5	NA	(GC)S	N	FAILURE	
09-28-A-01-X-A*	1	HB+40	CL	1389	VR	7205	142.1	8.5	41.3	2.61	AV	116.6	12.7	78	R	124.7	116.9	15.0	93	2.3	105.4	99.7	NA	(GC)S	N	RE 09-27-12A1	
ACCEPTED TESTS THIS PERIOD: 1				AVG.		142.1	8.5	41.3	2.61	116.6	12.7	78	124.7	116.9	15.0	93	2.3	105.4	99.7								

AV: Assumed Values used for Specific Gravity dependant calculations. +#4=2.75 -#4=2.68

10/02/2012

U.S. Bureau of Reclamation
STATISTICAL SUMMARY OF FIELD AND LABORATORY TESTS OF COMPACTED FILL
CONTROLLED BY THE LABORATORY COMPACTION METHOD

Page 2

PROJECT: Battle Creek
FEATURE: Hydropower Facility Mods Stage 1
SPECIFICATION NO: 20-CO746
FILL NAME: 2 - Structural Backfill

SPECIFICATION REQUIREMENTS:
Min percent compaction (D-Value): 95.00 %
Min average D-Value for ALL tests: 95.00 %
Max DRY Wo-Wf: 2.00
Max WET Wo-Wf: -2.00

PERIOD OF REPORT: 09/01/2012 - 09/28/2012

	<u>This Period</u>	<u>To Date</u>
No. of Tests Taken	3	43
No. of Tests Accepted	1	37
No. of Tests Rejected	2	6
No. of Rejected Tests not Re-Checked	1	4
Average Water Content Total Material	8.5	11.3
Average Control Fraction Water Content	12.7	14.8
Average Optimum Water Content	15.0	16.5
Average Wo-Wf	2.3	1.7
Percent of Accepted Tests Dryer Than 2.00	100.0	35.1
Percent of Accepted Tests Wetter Than -2.00	0.0	0.0
Average Wet Density Total Material (PCF)	142.1	134.9
Average Control Fraction Dry Density (PCF)	116.6	110.2
Average Proctor Max Dry Density (PCF)	116.9	111.5
Average Compaction Cylinder Wet Density (PCF)	124.7	125.5
Average Percent +3/4 Material (%)	41.3	30.8
Average C-Value (%)	105.4	100.8
Average D-Value (%)	99.7	98.8
Percent Accepted with D-Value < 95.0	0.0	10.8
Tests Accepted Outside of Specification Limits	1	17
Minimum D-Value of 95.0 %	0	4
Max DRY Wo-Wf of 2.00	1	13

Concrete Class: Structural Concrete
Report of Mixes Used From 08/01/2012 to 09/30/2012

Mix Design Number: F670AFPX7
Specification Number: 20-C0746
Project: Battle Creek
Feature: Hydropower Facility Modifications Stage 1

Date Time	y^3 of Conc	Percent Of					Yield Quantities per Cubic Yard										Fresh Concrete Tests					Compressive Strength Of Individual Specimens (psi)					
		Coarse Aggregate in each size					Pounds					Oz					Cem Eff	M P	Slump (ins)	UW (pcf)	W/ C+P	Air Meth	Press Meter	3 Day	7 Day	28 Day	90 Day
Sand	CA1	CA2	CA3	CA4	Water	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5													
08/24/2012 12:11	12.00	47.0	100.0	0.0	0.0	0.0	272	542	99	1399	1544	0	7.1	25.5	19.1	0.0	10.4	88	2.75	142.8	0.42	2.5	4.7	4010	5500	3800	5780
09/06/2012 09:37	32.00	52.1	100.0	0.0	0.0	0.0	236	550	97	1577	1417	0	7.1	25.7	19.5	0.0	82	4.25	143.6	0.36	3.6	4.5	4000	#####	4010	#####	
Design		47.4	100.0	0.0	0.0	0.0	280	536	95	1357	1507	0	3.1	25.2	18.9	0.0			3.00	139.8	0.44	4.0	4.0			4000	
AVG.		49.5	100.0	0.0	0.0	0.0	254	546	98	1488	1481	0	7.1	25.6	19.3	0.0	10.4	85	3.50	143.2	0.39	3.1	4.6	3955	5640		
S.D.		3.6	0.0	0.0	0.0	0.0	25	6	1	126	90	0	0.0	0.1	0.2	0.0	0.0	4	1.06	0.6	0.04	0.7	0.1	103	198		
C.O.V		7.3	0.0	0.0	0.0	0.0	10.0	1.0	1.4	8.5	6.1	0.0	0.2	0.4	1.2	0.0	0.0	4.9	30.3	0.4	10.7	24.1	3.1	2.6	3.5		

Bureau.....: Required average strength = -9753 psi at 28 days. Based on 90% exceeding the design strength of 4000 psi & C.O.V. (n=56) = **.*
 ACI.....: Required average strength = 17380 psi at 28 days (n=56)
 CURE METHOD.: Water Tank with an Average Cure Temperature of 60 - 80 (F)

= Specimen not broken as of report date.

Concrete Class: Structural Concrete
Report of Mixes Used From 08/01/2012 to 09/30/2012

Mix Design Number: F670GFPW8
Specification Number: 20-C0746
Project: Battle Creek
Feature: Hydropower Facility Modifications Stage 1

Date Time	y ³ of Conc	Percent Of				Water	Yield Quantities per Cubic Yard							Fresh Concrete Tests					Compressive Strength Of Individual Specimens (psi)								
		Coarse Aggregate in each size					Pounds			Oz				Cem Eff	M P	Slump (ins)	UW (pcf)	W/ C+P	Grav Meth	Press Meter	3 Day	7 Day	28 Day	90 Day	180 Day	1 Year	
Sand	CA1	CA2	CA3	CA4	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5														
08/03/2012 11:48	4.25	47.2	100.0	0.0	0.0	0.0	250	506	89	1350	1477	0	6.0	47.8	41.2	0.0	6.6	92	4.00	136.0	0.42	7.4	6.0	2410	3470	2510	3220
08/11/2012 12:01	2.25	47.0	100.0	0.0	0.0	0.0	242	493	126	1311	1446	0	5.7	45.5	39.8	0.0	6.4	90	6.00	134.0	0.39	8.8	7.0	2230	3130	2190	3150
08/29/2012 10:25	20.00	47.2	100.0	0.0	0.0	0.0	272	515	96	1374	1502	0	6.0	48.1	30.5	0.0	9.2	82	4.25	139.2	0.45	4.8	5.4	3330	4810	3270	4620
09/04/2012 07:41	19.00	59.6	100.0	0.0	0.0	0.0	226	517	96	1762	1166	0	6.1	48.4	30.5	0.0	8.0	80	5.50	139.5	0.37	6.5	6.3	2970	#####	2900	#####
09/28/2012 13:55	5.00	45.9	100.0	0.0	0.0	0.0	208	523	94	1383	1591	0	6.9	49.3	30.8	0.0	8.5	85	4.25	140.7	0.34	6.2	6.1	#####	#####	#####	#####
Design		44.4	100.0	0.0	0.0	0.0	285	536	95	1267	1585	0	2.1	50.4	50.4	0.0			6.00	139.6	0.45	4.0	4.0				4000
AVG.		49.4	100.0	0.0	0.0	0.0	240	511	100	1436	1436	0	6.1	47.8	34.6	0.0	7.4	86	4.80	137.9	0.39	6.8	6.2	2726	3733		
S.D.		5.7	0.0	0.0	0.0	0.0	24	12	15	184	161	0	0.5	1.4	5.4	0.0	1.5	5	0.89	2.8	0.04	1.5	0.6	452	772		
C.O.V		11.6	0.0	0.0	0.0	0.0	10.1	2.3	14.7	12.8	11.2	0.0	7.5	3.0	15.7	0.0	20.9	5.9	18.5	2.0	10.8	22.2	9.4	16.6	20.7		

Bureau.....: Required average strength = 4842 psi at 28 days. Based on 90% exceeding the design strength of 4000 psi & C.O.V. (n=51) = 13.6
 ACI.....: Required average strength = 4864 psi at 28 days (n=51)
 CURE METHOD...: Water Tank with an Average Cure Temperature of 70 - 76 (F)

= Specimen not broken as of report date.

Concrete Class: Backfill
Report of Mixes Used From 08/01/2012 to 09/30/2012

Mix Design Number: F670GFPX7
Specification Number: 20-C0746
Project: Battle Creek
Feature: Hydropower Facility Modifications Stage 1

Date Time	y^3 of Conc	Percent Of				Yield Quantities per Cubic Yard										Fresh Concrete Tests					Compressive Strength Of Individual Specimens (psi)															
		Coarse Aggregate in each size				Pounds					Oz					Slump	UW	W/ C+P	Grav Meth	Press Meter	3 Day	7 Day	28 Day	90 Day	180 Day	1 Year										
		Sand	CA1	CA2	CA3	CA4	Water	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5	Cem Eff	M	P	(ins)	(pcf)															
08/28/2012 09:49	2.75	48.7	100.0	0.0	0.0	0.0	256	540	99	1426	1470	0	6.4	26.9	18.8	0.0	8.6	83	3.50	140.4	0.40	4.7	5.9	2740	3520	4560	2710	3380	4760							
Design		47.6	100.0	0.0	0.0	0.0	268	536	95	1368	1507	0	6.5	25.2	18.9	0.0			3.00	139.8	0.43	5.0	5.0													1000
AVG.		48.7	100.0	0.0	0.0	0.0	256	540	99	1426	1470	0	6.4	26.9	18.8	0.0	8.6	83	3.50	140.4	0.40	4.7	5.9	2725	3450	4660										

Bureau.....: Required average strength = 1238 psi at 28 days. Based on 90% exceeding the design strength of 1000 psi & C.O.V. (Est.) = 15.0
 ACI.....: Required average strength = 2000 psi at 28 days (n=2)
 CURE METHOD...: Water Tank with an Average Cure Temperature of 70 - 76 (F)

Concrete Class:
Report of Mixes Used From 08/01/2012 to 09/30/2012

Mix Design Number: F850BCPA6
Specification Number: 20-C0746
Project: Battle Creek
Feature: Hydropower Facility Modifications Stage 1

Date Time	y^3 of Conc	Percent Of					Yield Quantities per Cubic Yard										Fresh Concrete Tests					Compressive Strength Of Individual Specimens (psi)							
		Sand	CA1	CA2	CA3	CA4	Water	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5	Cem Eff	M	Slump (ins)	UW (pcf)	W/ C+P	Grav Meth	Press Meter	3 Day	7 Day	28 Day	90 Day	180 Day	1 Year
08/31/2012																													
08:58	39.00	70.7	100.0	0.0	0.0	0.0	289	645	114	1918	815	0	0.0	22.8	76.0	0.0	9.4	79	2.50	140.0	0.38	5.2	3.8		3870	6090			
																									3870	6100			
10:02	39.00	70.2	100.0	0.0	0.0	0.0	292	655	116	1893	824	0	0.0	23.2	77.1	0.0	9.7	83	2.25	140.0	0.38	5.1	3.4		4120	6320			
																									4040	6360			
09/05/2012																													
08:00	73.00	69.5	100.0	0.0	0.0	0.0	311	661	117	1868	834	0	0.0	23.3	77.6	0.0	7.7	77	2.00	140.4	0.40	4.4	3.4		4000	#####			
																									4100	#####			
10:27	73.00	69.7	100.0	0.0	0.0	0.0	314	662	117	1874	829	0	0.0	23.3	77.8	0.0	8.3	83	2.50	140.6	0.40	4.1	3.0		4070	#####			
																									4260	#####			
Design		69.5	100.0	0.0	0.0	0.0	302	679	120	1961	860	0	0.0	24.0	0.0	0.0			3.00	145.3	0.38	1.5	1.5			4000			
AVG.		70.0	100.0	0.0	0.0	0.0	302	656	116	1888	826	0	0.0	23.2	77.1	0.0	9.6	80	2.31	140.2	0.39	4.7	3.4		4041	6217			
S.D.		0.5	0.0	0.0	0.0	0.0	13	8	1	23	8	0	0.0	0.3	0.8	0.0	0.2	3	0.24	0.3	0.01	0.5	0.3		130	142			
C.O.V		0.7	0.0	0.0	0.0	0.0	4.3	1.2	1.2	1.2	1.0	0.0	0.0	1.1	1.1	0.0	1.7	3.7	10.3	0.2	3.2	11.2	9.6		3.2	2.3			

Bureau.....: Required average strength = 4950 psi at 28 days. Based on 90% exceeding the design strength of 4000 psi & C.O.V. (Est.) = 15.0
 ACI.....: Required average strength = 5200 psi at 28 days (n=4)
 CURE METHOD.: Water Tank with an Average Cure Temperature of 70 - 76 (F)

= Specimen not broken as of report date.

Concrete Class: Structural
Report of Mixes Used From 08/01/2012 to 09/30/2012

Mix Design Number: F740QFPX7
Specification Number: 20-C0780
Project: Central Valley
Feature: Coleman Fish Hatchery Weir

Date Time	y^3 of Conc	Percent Of				Yield Quantities per Cubic Yard										Fresh Concrete Tests					Compressive Strength Of Individual Specimens (psi)						
		Coarse Aggregate in each size				Pounds					Oz					Cem M Eff	T E P	Slump (ins)	UW (pcf)	W/ C+P	Air Meth	Press Meter	3 Day	7 Day	28 Day	90 Day	180 Day
Sand	CA1	CA2	CA3	CA4	Water	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5													
08/02/2012																											
10:02	25.50	51.5	100.0	0.0	0.0	0.0	240	597	104	1471	1352	0	7.0	27.7	20.9	0.0	6.6	85	4.00	139.4	0.34	6.2	4.7	3100	4010	3290	3860
08/08/2012																											
11:07	38.50	45.3	100.0	0.0	0.0	0.0	228	582	104	1277	1508	0	7.4	27.4	20.4	0.0	5.6	84	4.50	137.0	0.33	8.0	6.8	2560	3220	2560	3340
08/11/2012																											
12:45	8.50	46.1	100.0	0.0	0.0	0.0	76	625	112	1385	1584	0	7.8	29.0	22.0	0.0	7.2	89	3.50	140.1	0.10	11.7	4.2	3590	4420	3640	4580
Design		43.0	100.0	0.0	0.0	0.0	248	593	104	1226	1624	0	6.3	27.8	20.9	0.0			3.00	140.6	0.36	5.0	5.0				4500
AVG.		47.6	100.0	0.0	0.0	0.0	181	601	107	1378	1481	0	7.4	28.1	21.1	0.0	6.5	86	4.00	138.8	0.26	8.6	5.2	3123	3905		
S.D.		3.4	0.0	0.0	0.0	0.0	91	22	5	97	118	0	0.4	0.8	0.8	0.0	0.8	3	0.50	1.6	0.14	2.8	1.4	479	552		
C.O.V		7.1	0.0	0.0	0.0	0.0	50.4	3.6	4.3	7.1	8.0	0.0	5.5	3.0	3.9	0.0	12.2	3.1	12.5	1.2	52.2	32.5	26.4	15.3	14.1		

Bureau.....: Required average strength = 5569 psi at 28 days. Based on 90% exceeding the design strength of 4500 psi & C.O.V. (Est.) = 15.0
 ACI.....: Required average strength = 5700 psi at 28 days (n=8)
 CURE METHOD.: Water Tank with an Average Cure Temperature of 70 - 76 (F)

Concrete Class: Structural
Report of Mixes Used From 08/01/2012 to 09/30/2012

Mix Design Number: F850QPPA4
Specification Number: 20-C0780
Project: Central Valley
Feature: Coleman Fish Hatchery Weir

Date Time	y^3 of Conc	Percent Of				Yield Quantities per Cubic Yard										Fresh Concrete Tests					Compressive Strength Of Individual Specimens (psi)										
		Sand	CA1	CA2	CA3	CA4	Water	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5	Cem Eff	M	P	Slump (ins)	UW (pcf)	W/ C+P	Grav Meth	Press Meter	3 Day	7 Day	28 Day	90 Day	180 Day	1 Year	
09/18/2012																															
05:30	25.00	42.5	100.0	0.0	0.0	0.0	272	684	121	1164	1657	0	7.0	40.2	40.0	0.0	79		2.25	144.4	0.34	4.7	4.0	3290	3840	#####					
																								3380	3960	#####					
06:41	25.00	42.4	100.0	0.0	0.0	0.0	273	694	121	1170	1668	0	7.6	40.3	40.5	0.0	80		2.50	145.4	0.33	4.0	3.9	3150	4070	#####					
																								3480	4010	#####					
09/19/2012																															
07:41	12.25	42.5	100.0	0.0	0.0	0.0	250	679	118	1147	1632	0	7.9	39.4	39.4	0.0	66		3.25	141.7	0.31	7.2	4.0		3710	#####					
																									3860	#####					
Design																															
		41.3	100.0	0.0	0.0	0.0	282	679	120	1163	1656	0	7.0	5.0	40.0	0.0			3.00	144.4	0.35	4.0	4.0				4500				
AVG.																															
		42.4	100.0	0.0	0.0	0.0	265	686	120	1160	1652	0	7.5	40.0	40.0	0.0	0.0	75	2.67	143.8	0.33	5.3	4.0	3325	3908						
S.D.																															
		0.0	0.0	0.0	0.0	0.0	13	8	2	12	18	0	0.4	0.5	0.5	0.0	0.0	8	0.52	1.9	0.01	1.7	0.1	140	131						
C.O.V																															
		0.1	0.0	0.0	0.0	0.0	4.9	1.1	1.4	1.0	1.1	0.0	5.7	1.2	1.3	0.0	0.0	10.4	19.5	1.3	4.0	32.1	1.5	4.2	3.3						

Bureau.....: Required average strength = 5569 psi at 28 days. Based on 90% exceeding the design strength of 4500 psi & C.O.V. (Est.) = 15.0
 ACI.....: Required average strength = 5700 psi at 28 days (n=0)
 CURE METHOD...: Water Tank with an Average Cure Temperature of 70 - 76 (F)

= Specimen not broken as of report date.