

Metropolitan Water District of Salt Lake & Sandy  
Board Packet Information  
Last Update: February 23, 2011

**Agenda Item:**

Consider approval of extension of General Services Agreements

**Objective:** Seek Board authorization to extend current general civil and survey General Services Agreements (GSAs) as outlined in the table below.

**Background:** In July 2009, the District advertised Statement of Qualifications (SOQs) for both general civil and survey consulting. The process resulted in the selection of three general civil firms and two survey firms. In January 2010, GSAs with two additional surveying firms were procured. The three Civil and two Survey GSAs are set to expire June 30, 2011.

Staff's desire is to stagger the turnover for GSAs. By staggering turnover, the District will be able to maintain a general civil and a surveyor through each fiscal year transition period.

The District's Information Services department has shown interest in utilizing the services provided by Aqua/SKM for FY2012.

Stanley Engineers and Project Engineering Consultants (PEC) have performed the bulk of our survey work over the last year and now provide valuable experience and knowledge of the Salt Lake Aqueduct corridor.

Bowen Collins & Associates is currently involved in a task order that is planned to extend into FY2012.

**Recommendation:** Staff proposes extending the existing GSAs as highlighted in the table below.

<b>Firm</b>	<b>Profession</b>	<b>Current Expiration</b>	<b>Proposed Extension</b>
Cornerstone	Survey	6/30/2014	None
Robinson, Biehn & Biehn	Survey	6/30/2014	None
<b>Bowen Collins &amp; Associates</b>	<b>Civil</b>	<b>6/30/2011</b>	<b>6/30/2014</b>
<b>Aqua / SKM</b>	<b>Civil</b>	<b>6/30/2011</b>	<b>6/30/2012</b>
<b>Carollo</b>	<b>Civil</b>	<b>6/30/2011</b>	<b>6/30/2013</b>
<b>Project Engineering Consultants</b>	<b>Survey</b>	<b>6/30/2011</b>	<b>6/30/2013</b>
<b>Stanley</b>	<b>Survey</b>	<b>6/30/2011</b>	<b>6/30/2013</b>

Metropolitan Water District of Salt Lake & Sandy  
Board Packet Information  
Last Update: February 23, 2011

**Agenda Item:**

Consider approval of a General Service Agreement (GSA) with Heath Engineering for Heating, Ventilating, and Air Conditioning (HVAC) engineering.

**Objective:** Seek Board approval to enter into a General Services Agreement with Heath Engineering for HVAC engineering services.

**Background:** Policy and Procedures Section 6-701 (4) (e) states that “The District may periodically solicit and review statements of qualifications and negotiate GSAs, considering the criteria described in Subsection (1) above, so that specific task orders for budgeted services may be issued expeditiously to qualified professionals already under a GSA. All GSAs shall be approved by the Board. Individual Task Orders shall be approved as described in P&P Section 3-642.”

Engineering Staff anticipates a number of HVAC projects at the Little Cottonwood Water Treatment Plant that will be better addressed through a GSA than a standard Request for Proposals (RFP) approach.

Advertisement for the HVAC Services SOQ ran in local newspapers (Salt Lake Tribune & Deseret News) on January 10 and January 12, 2011 and was available on the District’s website from January 6 to January 25, 2011.

Three (3) SOQs were received:

1. Heath Engineering Company
2. Van Boerum & Frank Associates, Inc.
3. John P. Hunter, P.E.

The Selection Committee met on February 2, 2011. Heath Engineering was selected as the preferred consultant based on its past experience in working with the District, its knowledge of the current issues, expertise and references as an HVAC consulting firm, and its favorable fee schedule and rates.

**Recommendation:** Staff recommends that the District enter into a General Services Agreement with Heath Engineering for HVAC engineering services with an expiration date of December 30, 2013.

Metropolitan Water District of Salt Lake & Sandy  
Board Packet Information  
Last Update: February 23, 2011

**Agenda Item:**

Consider approval of abandoning Salt Lake Aqueduct Easement – Tract 205.

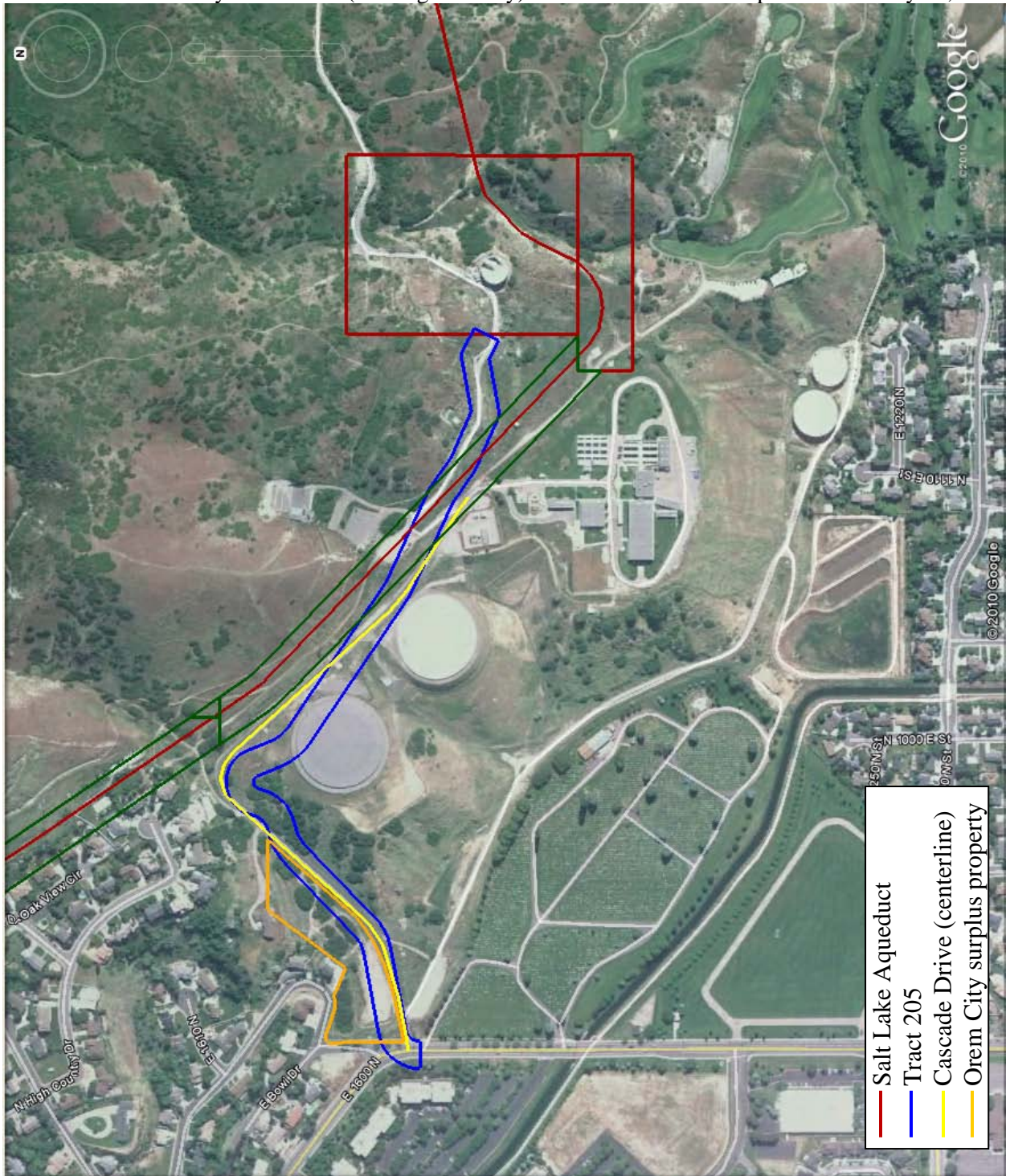
**Objective:** Seek Board approval to abandon existing Tract 205 (Easement, Road right-of-way).

**Background:** Tract 205 was acquired by the District in 1939 for construction access to the Olmstead tunnel (see map attached). It continues to provide access to the Olmstead tunnel and to the SLA corridor as well as access to for Central Utah Water Conservancy District's Utah Valley Water Purification Plant.

Orem City has requested that the District abandon the existing Tract 205 in exchange for a new easement more closely following Cascade Drive. The new easement will continue to provide needed access to District facilities. Orem City's purpose is to clean up a piece of property encumbered by this easement that the city desires to surplus.

The current form of agreement provided by Orem City is a four-party agreement between the District, Orem, Central Utah, and the Bureau. Staff wishes to move to a three-party agreement with Orem and Central Utah (both affected landowners) and the District (as owner of the easement). Staff also desires to firm up and expand an easement for access and operation of a blowoff located in the vicinity as part of this agreement.

**Recommendation:** Staff recommends abandonment of Tract 205, easement and road right-of-way.



Metropolitan Water District of Salt Lake & Sandy  
Board Packet Information  
Last Update: February 23, 2011

**Agenda Item:**

Consider approval of partial abandonment Salt Lake Aqueduct Easement – Tract 214.

**Objective:** Seek Board approval to abandon existing Tract 214 (Easement, Road Right-of-Way)

**Background:** Tract 214 was acquired by the District in 1939 to provide construction access to the SLA corridor. It was recorded with Utah County that same year. Approximately 15 lots over six subdivisions have been declared since that time with no mention of the easement.

Access to the SLA corridor is still available along the public right of way 400 North and 900 East streets. 900 East terminates with a cul-de-sac, from which access can be gained through the undeveloped Lot 13.

In an effort to clean up its interest in the aforementioned lots, District staff proposes abandoning the existing easement up to the cul-de-sac at 900 East. The owners of Lots 13 and 16 will be contacted to realign the easement and provide as little inconvenience as possible to the lot owners while still providing District access to the corridor.

**Recommendation:** Staff recommends abandonment of Tract 214, easement and road right-of-way up to the cul-de-sac at 900 East, Lindon City, Utah.



**Engineering Committee  
Reporting Items  
February 28, 2011**

1. Project Contracts, Task Orders, and Change Orders
  - a. Action items (recommendations to Board of Trustees):
    - i. Extensions of general services agreements (GSAs)
      1. Professional Engineering Consultants (surveying) to June 30, 2013
      2. Stanley Consultants (surveying) to June 30, 2013
      3. Bowen, Collins & Associates (civil engineering to June 30, 2014
      4. Carollo Engineers (civil engineering) to June 30, 2013
      5. Aqua/SKM (civil engineering/PCS) to June 30, 2012
    - ii. Approval of HVAC general services agreement.
  - b. Action items (consider acceptance by Engineering Committee):
    - i. None.
  - c. Reporting Items (approved by General Manager):
    - i. LCWTP Site Support Heating, Ventilation and Air Conditioning Systems – \$12,000.00 to Heath Engineering for Engineering Services on the Laboratory & Office HVAC Repair Study and Implementation. (PO#28387).
    - ii. LCWTP Site Support Heating, Ventilation and Air Conditioning Systems – \$3,000.00 to Heath Engineering for additional Engineering Services on the Laboratory & Office HVAC Repair Study and Implementation. (PO#28387).
2. Licensing program:
  - a. Salt Lake Aqueduct – considered appeals
    - i. S-10-1113 Nydegger (trees)
    - ii. S-10-1136 Goldfarb (fence)
    - iii. S-10-1115 Simons (trees)
    - iv. S-10-1127 Parr (trees and structures)
  - b. Discussed Questar renewal
  - c. Report on completed agreements
  - d. Proposed abandonment of Tract 205 – Orem
  - e. Proposed abandonment of Tract 214 – Lindon
  - f. Program Report
3. Discussed preliminary capital budget
4. Project Reports

# 2011 License Program Report

Last updated: February 23, 2011

## Aqueduct License Applications

Calendar Year	Applications Received	Under Review <sup>1</sup>	Denied			Legal <sup>2</sup>	Closed <sup>3</sup>	Agreement Executed	Pending @ Period End <sup>4</sup>
			GM	EC	BT				
To Feb 22, 2011	7	30	3	1	0	2	1	4	36
Oct 2006 - 2010	135						33	68	34
<b>Totals</b>	<b>142</b>						<b>34</b>	<b>72</b>	

<sup>1</sup> Includes all open applications, less those under appeal or with legal counsel

<sup>2</sup> Current appeals and legal, not cumulative.

<sup>3</sup> Application denied and/or Applicant did not pursue an appeal and/or existing improvements removed (no agreement executed or needed)

<sup>4</sup> Pending is the sum of Under Review, GM and EC Appeals, and Legal

## Brochure Mailings

	Anticipated 2011 Mailing	Notices Sent	District Contacted	Latest Staff Contact/Meeting	Council Presentation
<b>Salt Lake County</b>					
Draper City	Mar 2011	TBD	TBD	8/4/09	TBD
Sandy City	Mar 2011	TBD	TBD	8/10/09	8/25/09, 9/8/09
Comm. 21	Mar 2011	TBD	TBD	2/4/10	Open House
Cottonwood Hghts	Mar 2011	TBD	TBD	<b>2/15/11</b>	12/29/09
Holladay	Mar 2011	TBD	TBD	11/3/09	TBD
Canyon Cove HOA				11/25/09	
Jim Palmer Dist. 5				11/17/09	
SLCo.				11/12/09	
Granite Comm.	w/ Sandy		TBD	TBD	TBD
ACCT					12/10/09
Mt. Olympus	Mar 2011	TBD	TBD		1/19/10
East Millcreek	Mar 2011	TBD	TBD		2/4/10
Canyon Rim	Mar 2011	TBD	TBD		1/19/10
<b>Utah County</b>					
Orem City	Mar 2011	TBD	TBD	<b>2/22/11</b>	<b>3/22/11</b>
Lindon City	Mar 2011	TBD	TBD	<b>2/8/11</b>	<b>3/1/11</b>
Pleasant Grove	Mar 2011	TBD	TBD	<b>2/8/11</b>	<b>2/9/11</b>
Cedar Hills City	Mar 2011	TBD	TBD	<b>3/22/11</b>	TBD
Alpine City	Mar 2011	TBD	TBD	<b>2/22/11</b>	<b>3/8/11</b>
Highland City	Mar 2011	TBD	TBD	<b>3/22/11</b>	5/19/09
Provo City	Mar 2011	TBD	TBD	TBD	TBD
Utah County	w/ Cities			TBD	TBD
<b>Wasatch County</b>					
Wasatch County	Mar 2011	TBD	TBD	4/7/10	TBD
<b>Total</b>		<b>0</b>	<b>0</b>		

## Current Survey Projects Report

Last updated: January 25, 2010

<b>Task Order</b>	<b>Execution Date</b>	<b>Tract</b>	<b>Consultant</b>	<b>Total</b>	<b>Total Invoiced</b>	<b>Percent Complete</b>
09.06.06	1/10/2011	337 - 338	PEC	\$4,655.00	\$0.00	60%
09.07.05	1/10/2011	228 - 301	Stanley	\$19,747.00	\$0.00	40%
09.01.07	10/28/2010	Provo Canyon SLA	RBB	\$6,773.00	\$0.00	90%
09.06.05	9/28/2010	229, 300	PEC	\$1,140.00	\$1,140.00	100%
09.01.06	8/11/2010	POMRWR	RBB	\$800.00	\$794.00	100%
09.06.04	8/2/2010	226	PEC	\$800.00	\$800.00	100%
09.01.05	7/28/2010	319 - 330	RBB	\$18,380.00	\$0.00	90%
09.06.03	7/28/2010	417 - 420A	PEC	\$14,815.00	\$14,815.00	100%
09.07.03	7/28/2010	208 - 209	Stanley	\$12,753.00	\$12,753.00	100%
09.07.04	7/28/2010	302 - 307	Stanley	\$23,832.00	\$23,831.90	100%
09.02.04	12/9/2009	469A	Cornerstone	\$10,982.50	\$2,969.75	90%
09.01.02	9/3/2009	340	RBB	\$11,565.00	\$0.00	100%

FY2011 Total Spent:

\$57,103.65

# Metropolitan Water District of Salt Lake & Sandy CAPITAL PROJECT REPORT

February 2011

Last Updated: February 2, 2011

## Capacity Improvement Projects

### Owner Controlled Insurance Program

**Project Data:**

<b>Owner Controlled Insurance:</b>	Liberty Mutual
<b>Date Program Began:</b>	October 2003
<b>Final Obligation Date:</b>	December 30, 2010
<b>Budget (FY11):</b>	\$75,000.00
<b>Invoiced FY11:</b>	\$58,800.07

**Diane Richards (GL)**

**Ken Covert (WC)** - Closed

## Routine Non-Capacity Improvement Projects

### Terminal Reservoir Replacement Project – Final Design

**Project Data:**

<b>Design Engineer:</b>	Bowen, Collins & Associates
<b>Contractor:</b>	N/A
<b>Notice to Proceed:</b>	November 30, 2009
<b>Substantial Completion Date:</b>	N/A
<b>Final Completion Date (Design):</b>	June 30, 2011
<b>Estimated Project Cost:</b>	\$33,500,000.00
<b>Engineering Contract Amount:</b>	\$699,850.00
<b>Engineering Change Orders:</b>	\$9,900.00
<b>Construction Contract Amount:</b>	\$32,602,179.00 (begin FY2016)
<b>Construction Change Orders:</b>	N/A
<b>Project Total:</b>	\$33,311,929.00
<b>Percent Change Orders:</b>	0.03%

Engineer continues to make progress towards the 90% submittal scheduled for April timeframe. Bi-weekly coordination meetings continue to provide the Engineer the necessary feedback to move forward on the design. In addition, a benefit/cost analysis related to the timing of the construction of the project is being developed. A progress report/presentation is planned for the 02.09.2011 Engineering Committee meeting.

### Little Cottonwood Water Treatment Plant – Site Support Heating, Ventilation, and Air Conditioning

**Project Data:**

<b>Design Engineer:</b>	Staff, Heath Engineers
<b>Contractor:</b>	n/a
<b>Notice to Proceed:</b>	n/a
<b>Substantial Completion Date:</b>	n/a
<b>Final Completion Date:</b>	TBD
<b>Estimated Project Cost:</b>	\$150,000.00
<b>Engineering Contract Amount:</b>	\$12,000.00
<b>Engineering Change Orders:</b>	\$3,000.00
<b>Construction Contract Amount:</b>	n/a
<b>Construction Change Orders:</b>	n/a
<b>Project Total:</b>	\$15,000.00
<b>Percent Change Orders:</b>	0.00%

District staff has solicited SOQs in order to hire an HVAC consultant to aid in the implementation of various HVAC design and construction projects and to study other areas of the LCWTP site which have HVAC issues. A recommendation of award is scheduled for the February Board meeting

## Salt Lake Aqueduct Improvements - Flow Meter Replacement Program

### Project Data:

<b>Design Engineer:</b>	Staff
<b>Contractor:</b>	Staff
<b>Notice to Proceed:</b>	n/a
<b>Substantial Completion Date:</b>	N/A
<b>Final Completion Date:</b>	June 30, 2011
<b>Estimated Project Cost:</b>	\$105,750.00
<b>Engineering Contract Amount:</b>	N/A
<b>Engineering Change Orders:</b>	N/A
<b>Construction Contract Amount:</b>	\$0.00
<b>Construction Change Orders:</b>	\$0.00
<b>Project Total:</b>	\$0.00
<b>Percent Change Orders:</b>	0.00%

Staff is looking to replace the raw water flow meter on the turnout to the Southeast Regional Water Treatment Plant. A comparison test of a single path Doppler meter will be conducted alongside the existing venturi insertion meter. Staff plans to replace this meter during a small window of time in March, if possible, while the plant is taken off-line.

## Utah Lake Pump Station Replacement Project

### Project Data:

<b>Design Engineer:</b>	Bowen, Collins & Associates
<b>Contractor:</b>	n/a
<b>Notice to Proceed:</b>	n/a
<b>Substantial Completion Date:</b>	n/a
<b>Final Completion Date:</b>	October 2012 - expected
<b>Estimated Project Cost:</b>	\$8.5 million (unconfirmed)
<b>Engineering Contract Amount:</b>	\$879,746.00
<b>Engineering Change Orders:</b>	\$0
<b>Construction Contract Amount:</b>	n/a
<b>Construction Change Orders:</b>	n/a
<b>Project Total:</b>	\$879,746.00
<b>Percent Change Orders:</b>	0%

Workshop #4 is scheduled for February 16, 2011 when we will review corrosion, geotechnical investigations and permitting. Early discussions have identified the June sucker as an endangered species that will probably have an impact on the project.

## Little Dell Dam – Capital Improvements

Salt Lake City Public Utilities continues to develop an asset management plan for this facility. On January 26 and 27, 2011 SLCPU performed an internal and external inspection of the Dam outlet works. Early reports indicated small pitting was noticed on the inside of the penstock steel pipe.

The following Capital Improvements were requested by Salt Lake City Department of Public Utilities for FY2011:

- **New Adit Ventilator** - \$10,000. The new adit ventilator has been installed.
- **Crack-seal and Seal the Access Roads** - \$21,000 Crack Repair, \$70,000 Slurry Seal. Work scheduled for spring 2011.
- **Upgrade Instrumentation System** - \$99,000. An Engineer is to be procured to help identify the required upgrades.

**Total Budget FY2011: \$200,000**

## Other Capital Projects

### Jordan Aqueduct System and 150<sup>th</sup> South Pipeline – Capital Projects

The following Capital Improvements were approved by Jordan Aqueduct System management committee for FY2011 for the Jordan Aqueduct System:

- Jordan Valley Water Treatment Plant Chlorine Dioxide Project – Project was awarded to Nelson Brothers. A preconstruction meeting was held November 8, 2010. Contractor has mobilized and has begun demolition work. This project will have a “testing” phase or a “Pre-Compliance Sampling period” around February 2012 to March 2012. Final completion anticipated by March 2012.
- Jordan Valley Water Treatment Plant Filter and Chemical Building Seismic Upgrade – Project is 99% complete.
- Jordan Aqueduct Chlorine Booster Station – Design was scheduled to be complete December 2010. Ninety percent drawings were reviewed and project is proceeding to 100%. Improvement to begin Spring 2011 through Spring 2012. The plan is to bring this project on-line on or before the Chlorine Dioxide Project.
- Jordan Aqueduct – Reach 2 pig launch modifications. – Design complete as part of the Southwest Aqueduct project. Construction contract awarded to Allied Construction. Work to be complete by June 2011.
- Jordan Valley Water Treatment Plant generator replacement. – Project is under re-evaluation and may be deferred for 1-2 years.
- Normal Capital Improvements at Jordan Valley Water Treatment Plant, Jordan Aqueduct, and Jordan Aqueduct Terminal Reservoir. – An RFP for particle counters has been prepared. A conceptual design for pigging by-pass valve improvements has been prepared. Plan is to complete improvement design and request bids.
- A new capital expense has been identified for this fiscal year. As a betterment to the UDOT Mountain View Corridor (MVC) project, a new access into the JWTP from the MVC is requested. MWDSL portion of cost is estimated at \$30,857.00.

**Total Request FY2011: \$1,678,447**

### **Provo River Project – Provo Reservoir Canal Enclosure**

The Provo River Water Users Association (PRWUA) has contracted with Ames construction for the project. As of January 29, 2011 - Northwest pipe has successfully manufactured (rolled, hydro tested, and approved for surface prep) 30,640 feet of 126-inch diameter welded steel pipe (approximately 30% of the project total). Polyurethane lining and coating of the previously rolled pipe has begun with approximately 24,040 feet lined and 23,680 feet coated (approximately 23.5% and 23.2% respectively). Work has begun with installing the large diameter pipe with approximately 4,678 feet installed (4.6%) and 240 feet backfilled. Contract time elapsed to date (as of Dec. 10, 2010) is 24.3%. Recent communications with the project team indicate the contractor is behind schedule and the team is preliminarily looking to provide deliveries to its customers by means of a blowoff on the Salt Lake Aqueduct or the Jordan Aqueduct. Details are being reviewed.