

**INVITATION TO BID  
TRUCKEE MEADOWS WATER AUTHORITY  
HIGHLAND RESERVOIR COVER AND LINER REPLACEMENT PROJECT**

**TMWA CAPITAL PROJECT NO: 14-0003  
PUBLIC WORKS CONTRACT NO. PWP NO.: WA-2014-306**

**RANGE FOR ENGINEER'S ESTIMATE: \$2,000,000 - \$2,750,000**

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**PROJECT SCOPE:** Truckee Meadows Water Authority (TMWA) is accepting sealed bids for all labor, materials, equipment, and incidentals required for the Highland Reservoir Cover and Liner Replacement Project. The Site of Work is located in Northwest Reno. The Work consists of the removal of the existing floating cover system and gravity drain system and installation of new cover and liner system and all appurtenances related to new cover and liner. (Please refer to Project Description included at the end of the Invitation to Bid).

TMWA will provide and has selected a consultant to provide backfill and compaction testing.

The Contractor shall provide any necessary surveying.

**MANDATORY PRE-BID CONFERENCE and SITE VISIT:** A mandatory pre-bid conference will be held **August 26, 2014, at 11:00 a.m.** at the TMWA Conference Room, 1355 Capital Blvd., Reno, NV 89502. Any prospective bidder arriving **after 11:00 a.m.** shall be considered **late** and shall not be permitted to attend the conference; and a bid proposal **will not** be accepted from such bidder. **TMWA will accept and entertain bids from only those Bidders in attendance. NO EXCEPTIONS MADE.** A mandatory site visit will be required and conducted after the Pre-Bid Conference.

**BID SUBMITTAL:** Sealed bids must be submitted to TMWA by mail to P.O. Box 30013, Reno, Nevada 89520-3013 or in person to 1355 Capital Boulevard, Reno, NV 89502, and must be **RECEIVED BY TMWA NOT LATER THAN 10:00 A.M. on September 15, 2014.** Bids received after the date and time set for receipt will be **REJECTED.**

**BID OPENING:** **September 15, 2014, at 10:05 a.m.** at the TMWA Conference Room, 1355 Capital Blvd., Reno, NV 89502. TMWA reserves the right to reject any or all bids, including without limitation the right to reject any or all nonconforming, non-responsive, unbalanced, or conditional bids, and to reject the bid of any bidder if TMWA believes that it would not be in the best interest of TMWA to make an award to that bidder. TMWA also reserves the right to waive informalities. Bids will be evaluated as prescribed in Nevada Revised Statute 338.147.

**ANTICIPATED START DATE:** On or Before October 15, 2014

**COMPLETION DEADLINE:** One Hundred Thirty-Eight (138) calendar days following Notice to Proceed.

**PLANS AND SPECIFICATIONS:** Copies of Bidding Documents consisting of the contract documents, specifications, and drawings may be obtained from the following locations.

AEC Reprographics, 1909 Prosperity Street, Reno, NV 89502 (775) 324-7425 / 322-7022  
Allegra Print & Imaging, 5301 Longley Lane, Suite 47, Reno, NV 89511 (775) 829-7768  
Nevada Blue, 9738 S. Virginia, Reno, NV 89511 (775) 827-4441  
Sierra Contractor's Source, 860 Maestro Drive, Suite B, Reno, NV (775) 329-7222

The cost for all bid documents is non-refundable. A \$250.00 deposit is required due to Homeland Security issues before any Bid Documents may be purchased. Complete plans and specifications must be returned to TMWA within thirty (30) days of Bid Opening or the deposit will be forfeited.

Proposals shall be submitted on the sheets bound in the Contract Documents, and the complete Contract Documents must be submitted to comprise a responsive and responsible bid. Each bid shall be accompanied by a certified or cashier's check or bid bond in the amount of not less than five percent of the amount bid in the proposal. Addenda, if any, shall be posted on the TMWA web-site at [http://www.tmwa.com/about\\_us/doingbusinesswithtmwa/](http://www.tmwa.com/about_us/doingbusinesswithtmwa/). It is each bidder's sole responsibility to ensure that they have received all addenda prior to submission of their bid.

**QUESTIONS:** Questions may be submitted in writing to the Contract Administrator up to three (3) business days before Bid Opening.

Maria I. Dufur, Contract Administrator  
Truckee Meadows Water Authority  
1355 Capital Boulevard  
Reno, NV 89502  
(775) 834-8056  
Fax (775) 834-8153: e-mail: [mdufur@tmwa.com](mailto:mdufur@tmwa.com)

## **Project Description**

### **Highland Reservoir Cover and Liner Replacement**

#### **Location/Facility Function**

This reservoir project site is located in Northwest Reno at the north end of Washington Street and close to the Rancho San Raphael Park. The Highland Reservoir, a 20 million gallon treated water reservoir, is an integral component of TMWA's water distribution system and supplies treated water for peaking, firefighting, emergencies, and pressure equalization purposes to TMWA customers.

#### **Existing Reservoir**

The existing reservoir is a floating cover type with a mechanically tensioned system constructed with a reinforced polypropylene geomembrane. The mechanically tensioned system includes tension towers regularly spaced around the perimeter of the reservoir at the top of the slope. The existing floating cover surface water removal system is comprised of drains in the floating cover which are connected to hoses suspended in the reservoir potable water and drain to underdrain pipes in the reservoir floor. The existing liner is a high density polyethylene (HDPE) material. Within the reservoir floor below the liner system is an underdrain of perforated PVC pipes and drain rock material. The underdrain system collects liner leakage and conveys leakage water outside of the reservoir perimeter and ultimately to the Truckee River via a dedicated drain pipe on Washington Street.

The existing cover and liner system is being replaced since it has outlived its useful life.

#### **Project Scope**

In accordance with project plans, specifications and contract documents, the selected contractor will provide material, labor and other necessary resources to complete the following:

- Removal of the existing floating cover system.
- Removal of the existing "floating cover gravity drain system".
- Modifications to the existing liner system to allow the existing liner system to remain in place.
- Modifications to the existing underdrain system piping as the gravity drain system is removed.
- Installation of a new composite liner system consisting of geomembrane liner, composite drainage course, and liner leakage collection trough connected to the existing underdrain system.
- Installation of a new weight- tensioned geomembrane floating cover constructed with 45-mil scrim reinforced CSPE geomembrane, pump primary rainwater removal system, combination access/inflation hatches, and vacuum/air vents. The new cover is to be anchored at the top of the slope utilizing the existing perimeter concrete anchor curb.