STAFF REPORT

Date: June 5, 2013

To: Mayor and City Council

Thru: Andrew Clinger, City Manager

Subject: Staff Report (For Possible Action): Approval of Award of Contract to Anchor Concrete for the Truckee Meadows Water Reclamation Facility (TMWRF) Structural Concrete Replacement in an amount not to exceed $419,000, with the City of Reno's share being $287,559.70 (Sewer Enterprise Fund).

From: Glen Daily, Associate Civil Engineer

Summary: In 2012, BJG Architecture and Engineering (BJG) conducted a structural evaluation of the concrete structures at the Truckee Meadows Water Reclamation Facility (TMWRF). A number of structural deficiencies were discovered which could result in failure of critical concrete structural members and therefore pose possible safety hazards. The retrofit work included in the TMWRF Structural Concrete Replacement contract will repair these deficiencies. Staff recommends Council award the bid to Anchor Concrete as the lowest responsive and responsible bidder in the amount of $419,000. Reno's share of the contract is in the amount of $287,559.70 (Sewer Enterprise Fund).

Previous Council Action:
November 9, 2011 – Council authorized an Agreement with BJG to perform a condition assessment of concrete structures at TMWRF.

October 24, 2012 – Council approved an Amendment to the Agreement with BJG for continuing structural engineering services for final design, bidding and construction assistance for TMWRF structural repairs.

Background: Many of the TWMRF structures were built in the 1960s. During the last 2-3 years, TMWRF staff has implemented emergency repairs to several concrete structures, which prompted the need for a structural concrete condition assessment to produce a prioritized list of repairs necessary to protect the safety of personnel and to extend the life of the structural systems. This work was anticipated and included in the Capital Improvement Program (CIP) for TMWRF as approved by the Joint Coordinating Committee.

Discussion: BJG evaluated all of the concrete structures at TMWRF. The primary areas of concern are located within the original portions of the plant constructed in 1964. Serious structural deficiencies in portions of the concrete decking and stairways along the original aeration basins and clarifiers have been revealed. This concrete decking also serves as the roof structure for access and maintenance corridors below, and also supports piping, conduits and mechanical equipment which are critical for the treatment works. Repairs are needed for the protection of TMWRF plant operations and for worker safety.

Financial Implications: The City of Reno will administer the construction contract and will be reimbursed for a portion of the costs by the City of Sparks through the current cost sharing agreement for TMWRF operation and maintenance. The City of Reno and the City of Sparks will share the cost of this project as shown in Table 1 below:

Table 1 – Cost Sharing Between Reno and Sparks

Total Cost of Contract	Reno Share	Sparks Share
$419,000.00	$287,559.70	$131,440.30
Percentages	68.63%	31.37%

Legal Implications: The Contract was competitively bid in accordance with NRS 338.143 et.seq., and Anchor Concrete is the lowest responsive and responsible bidder.

Recommendation: Staff recommends award of contract for the TMWRF Structural Concrete Replacement to Anchor Concrete in an amount not to exceed $419,000, and authorize the mayor to sign the contract.

Proposed Motion: I move to approve staff the recommendation.

Attachments:

- TMWRF Structural Concrete Replacement Bid Results (DOC)

TMWRF Structural Concrete Replacement
City of Reno
Contract No. I100054-2170
P.W.P. No. WA-2013-173

Bid Opening
2:00 P.M.
May 15, 2013

Estimated Value (inc. Force Acct.): $375,000 - $425,000

Bid Results:

Anchor Concete:	**Base Bid -**	**$344,000**
	Force Acct. -	**75,000**
	Total Bid Price -	**$419,000**
MKD Construction, Inc.:	**Base Bid -**	**$470,000**
	Force Acct. -	**75,000**
	Total Bid Price -	**$545,000**