



WASHOE COUNTY

Integrity Communication Service

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STAFF REPORT

BOARD MEETING DATE: May 22, 2018

DATE: April 20, 2018

TO: Board of County Commissioners

FROM: Walter H. West, P.E., Licensed Engineer
Community Services Department, 328-2310, wwest@washoecounty.us

THROUGH: Dwayne Smith, P.E., Division Director, Engineering and Capital Projects
Community Services Department, 328-2043, desmith@washoecounty.us

SUBJECT: Approve a change order to the Agreement for Professional Consulting Services with HDR, Engineering, Inc. [in the amount of \$40,196.00] for an additional Emergency Action Plan for the Sidehill Detention Basin Dam, [bringing the total contract amount to \$204,643.00]. (Commission District 3.)

SUMMARY

Washoe County entered into an agreement with HDR Engineering, Inc. for professional engineering services to prepare Emergency Action Plan's (EAP) for dams owned and operated by Washoe County. HDR is currently under contract to prepare EAPs for the following facilities:

1. North Spanish Springs Sediment Basin and North Spanish Springs Flood Detention Facility – High Hazard
2. Herman Dam (Rancho San Rafael Park) – High Hazard
3. Sierra Sage Ponds (Sierra Sage Golf Course) – Significant Hazard
4. Huffaker Effluent Storage Reservoir – High Hazard

After the original contract was approved and through further discussions with the Sun Valley General Improvement District, it was determined that Washoe County retains responsibility for the dam and storm water conveyance facilities associated with the Sun Valley Community Park. Sidehill Detention Facility is located at the corner of Sun Valley Boulevard and W. 7th Ave. within the Sun Valley Community. This detention facility is classified as a High Hazard dam by the State of Nevada and requires an EAP. NAC 535.320, requires that owners of dams classified as either high or significant hazard must submit to the State Engineer an EAP. This change order to the agreement is for the required preparation of an EAP for Sidehill Detention Facility.

Washoe County Strategic Objective supported by this item: Safe, Secure and Healthy Communities

AGENDA ITEM # _____

PREVIOUS ACTION

On July 25, 2017 – The Board of County Commissioners approved an agreement with HDR Inc. for the preparation of four Emergency Action Plans.

BACKGROUND

Washoe County owns and operates five dams classified by Nevada Division of Water Resources as either high or significant hazard. A dam is classified High Hazard if the failure of the dam carries a high probability of causing a loss of human life. A dam is classified Significant Hazard if the failure of the dam carries a reasonable probability of causing a loss of human life or a high probability of causing extensive economic loss or disruption in a lifeline. NAC 535.320 stipulates that owners of high or significant hazard dams must prepare an Emergency Action Plan for the dam. An EAP is an essential document used by emergency responders to provide information such as contact information for local and state officials, resource information and inundation mapping which provides extents of flooding and time to flooding needed to provide timely notification of affected parcels and development of flood fighting strategies.

FISCAL IMPACT

The original contract amount for the preparation of four Emergency Action Plans totals \$164,447.00. Funding sources for the four original EAP's is as follows:

1. North Spanish Springs Sediment Basin and North Spanish Springs Flood Detention Facility - \$43,943 (Utilities Fund cost center 664700);
2. Herman Dam -\$42,351 (Parks Infrastructure Preservation cost center 140900);
3. Sierra Sage Ponds \$34,675 (Parks Infrastructure Preservation cost center 140900);
4. Huffaker Effluent Storage Reservoir \$43,478 (Utilities Fund cost center 664500).

The estimated fee for the preparation of an Emergency Action Plan for the Sidehill Detention Facility is \$40,196.00, bringing the total contract amount to \$204,643.00. Sufficient budget authority for this additional work exists in the Community Services Department FY18 budget in Engineering and Capital Projects cost center C105500, account 710200-Service Contracts.

RECOMMENDATION

It is recommended the Board of County Commissioners approve a change order to the Agreement for Professional Consulting Services with HDR, Engineering, Inc. [in the amount of \$40,196.00] for an additional Emergency Action Plan for the Sidehill Detention Basin Dam, [bringing the total contract amount to \$204,643.00].

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be: "Move to approve a change order to the Agreement for Professional Consulting Services with HDR, Engineering, Inc. [in the amount of \$40,196.00] for an additional Emergency Action Plan for the Sidehill Detention Basin Dam, [bringing the total contract amount to \$204,643.00]."