MEMORANDUM

TO: Board of Trustees

THROUGH: Steven J. Pinkerton
General Manager

Bradley A. Johnson, P.E.
Director of Asset Management

FROM: Charles Miller, P.E.
Principal Engineer

SUBJECT: Review, discuss and possibly authorize two (2) Cost Share Funding Agreements with the State of Nevada for Incline Creek Restoration totaling $188,817.

STRATEGIC PLAN: Long Range Principle 1 – Resources and Environment
Long Range Principle 5 – Assets and Infrastructure

DATE: February 12, 2018

I. RECOMMENDATION

That the Board of Trustees moves to:

1. Authorize a cost share funding agreement with the State of Nevada – Division of State Lands (NDSL) via the Lake Tahoe License Plate Program (LTLP) Grant Round of 2018 to provide assistance and funding of $74,817 for the design and construction of culvert removal, bridge installation, and creek restoration on Incline Creek at the Championship Golf Course.

2. Authorize a cost share funding agreement with the State of Nevada – Division of Environmental Protection (NDEP) via the 319(h) Grant Program to provide assistance and funding of $114,000 for the design and construction of culvert removal, bridge installation, and creek restoration on Incline Creek at the Championship Golf Course.

3. Authorize Chair and Secretary to sign the agreements upon review by General Counsel and Staff.
II. **DISTRICT STRATEGIC PLAN**

Long Range Principle #1 – Resources and Environment – Initiating and maintaining effective practices of environmental sustainability for a healthy environment, a strong community, and a lasting legacy.

- The District will provide the community with environmental education and technical services on watershed protection, water conservation, pollution prevention, recycling, and waste reduction.

Long Range Principle #5 – Assets and Infrastructure – The District will practice perpetual asset renewal, replacement, and improvement to provide safe and superior long term utility services and recreation activities.

- The District will maintain, renew, expand, and enhance District infrastructure to meet the capacity needs and desires of the community for future generations.

- The District will maintain, procure, and construct District assets to ensure safe and accessible operations for the public and the District’s workforce.

III. **BACKGROUND**

The District has a long history of partnering to restore the creeks in Incline Village with the goals of reducing bank erosion, improving lake clarity, creating fish habitat, and improving fish passage. Restoration work on the District owned portions of Third and Incline Creeks has long been identified as an Environmental Improvement Project with the Tahoe Regional Planning Agency (TRPA) again with the goals of restoring the stream environment zone and improving fish passage on both creeks.

Between 2008 and 2015, five phases of restoration work were completed on Third and Incline Creeks between Lake Tahoe and State Route 28 in partnership with the United States Army Corps of Engineers (USACE) and NDSL. These projects were recognized in 2009 and 2012 by TRPA with a Best in the Basin Award.

During completion of the fifth phase of restoration work on Incline Creek in 2015, Staff from IVGID and NDSL identified an opportunity to continue the successful work to restore the valuable aquatic habitat in Incline Village and address a piece of failing District infrastructure. Between the fourteenth and fifteenth holes on the Championship Golf Course the District maintains a crossing to facilitate customers as well as maintenance staff and equipment movement across Incline Creek. This
crossing consists of an earthen fill with two corrugated metal pipe culverts to allow creek flow passage. The outfalls of the culverts are perched above flowline of the creek which prevents fish passage and there is substantial bank erosion occurring. The culverts themselves have become undermined and are showing deterioration and the initial signs of collapse.

At the May 18th, 2016 meeting, the Board of Trustees voted to authorize a cost sharing agreement with to the NDSL to replace the failing culverts, install a new bridge consistent with the others constructed during the multiple phases of restoration projects, restore stream banks and fish habitat in the vicinity of the culvert, and restore fish passage to upstream habitat. This project includes preparation of project plans and specifications, completion of the necessary environmental documentation and permitting. The total anticipated cost to complete this project was $170,000. The District was awarded an $114,207 grant by the NDSL via the LTLP Program. The District match for the project totaled $55,793. To date the project has expended $39,389 of NDSL/LTLP grant funds and $13,129 of District funds on design and permitting activities.

During the design of the project, District Staff identified and pursued additional grants to ensure adequate funding was secured to address the project goals of restoring the function and processes of Incline Creek, while providing a buffer against the escalating construction costs seen in the current bidding environment. In October 2017 the District was awarded a 319(h) grant through the NDEP in the amount of $114,000. This grant requires a 50/50 match of funding. The NDSL/LTLP grant, when coupled with the previously allocated District funds, will provide the necessary 50/50 match requirement. As a result of the pursuit and receipt of the NDEP grant, a new NDSL/LTLP grant agreement has been issued (and must be authorized by the Board of Trustees) to extend the project timeline and agreement duration.

IV. **BID RESULTS**

Not applicable.

V. **FINANCIAL IMPACT AND BUDGET**

The revised anticipated remaining cost to complete the proposed project is $213,000. The NDSL is providing a $74,817 grant. The NDEP is providing an $114,000 grant. The District will not have to provide any additional funds beyond the $55,793 authorized by the Board of Trustees at the May 18, 2016 meeting.

The project funding status is presented in the following table.
## Project Funding Status

<table>
<thead>
<tr>
<th></th>
<th>IVGID</th>
<th>NDSL</th>
<th>NDEP</th>
<th>Total</th>
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<tbody>
<tr>
<td>Funds</td>
<td>$55,793</td>
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<td>$114,000</td>
<td>$284,000</td>
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<td>Expended To Date</td>
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<td>$52,519</td>
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<td>Remaining</td>
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<td>$74,817</td>
<td>$114,000</td>
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### VI. ALTERNATIVES

Not authorize the cost share funding agreements and direct Staff to not move forward with improvements to Incline Creek on the Championship Golf Course. Doing so leaves a piece of failing District infrastructure in place and rejects non-District funds to pay for a substantial portion of the replacement.

### VII. COMMENTS

None at this time.

### VIII. BUSINESS IMPACT

This item is not a "rule" within the meaning of Nevada Revised Statutes, Chapter 237, and does not require a Business Impact Statement.
Authorize Cost Share Funding Agreements with State of Nevada for Culvert Replacement and Incline Creek Restoration

February 21, 2018

Charley Miller, P.E. – Principal Engineer

INCLINE VILLAGE
GENERAL IMPROVEMENT DISTRICT
ONE DISTRICT ~ ONE TEAM
District Strategic Plan

• **Long Range Principle 1 – Resources and Environment**
  – The District will provide the community with environmental education and technical services on watershed protection, water conservation, pollution prevention, recycling and waste reduction.

• **Long Range Principle 5 – Assets and Infrastructure**
  – The District will maintain, renew, expand, and enhance District infrastructure to meet the capacity needs and desires of the community for future generations.
  – The District will maintain, procure, and construct District assets to ensure safe and accessible operations for the public and the District’s workforce.
Site Location

- On Championship Golf Course, between 14th hole and 15th Tee Box
- On Incline Creek
Existing Condition

- Fish Barrier
- Points of failure
Cost Share Funding Agreements

- Nevada Division of State Lands = $74,817
- Nevada Division of Environmental Protection = $114,000
- Includes
  - Planning
  - Design
  - Permitting
  - Construction

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Proposed Project

- In-stream Fish Passage Improvements
- Restored Bank Stabilization
- Improved Flow Conveyance
- Constructed Golf Cart Bridge
Remaining Project Milestones

- Final Design – March 2018
- Finalize Permits – April 2018
- Construction – Post Labor Day 2018
Recommendation

That the Board of Trustees moves to:

- Authorize a cost share funding agreement with the NDSL via the Lake Tahoe License Plate Program Grant Round of 2018 to provide assistance and funding of $74,817 for the design and construction of culvert removal, bridge installation, and creek restoration on Incline Creek at the Championship Golf Course.

- Authorize a cost share funding agreement with the NDEP via the 319(h)Grant to provide assistance and funding of $114,000 for the design and construction of culvert removal, bridge installation, and creek restoration on Incline Creek at the Championship Golf Course.

- Authorize Chair and Secretary to sign the agreements upon review by General Counsel and Staff.