

**MEETING DATE:** June 25, 2019

**TITLE:** Approval to Purchase Stormwater Monitoring Equipment

**RESOLUTION NUMBER:** 19-065

**PREPARED BY:** Kailey Cermak

**E-MAIL:** kcermak@minnehahacreek.org

**TELEPHONE:** 952-641-4501

**REVIEWED BY:**  Administrator  Counsel  Program Mgr.: Brian Beck  
 Board Committee  Engineer  Other

**WORKSHOP ACTION:**

<input type="checkbox"/> Advance to Board mtg. Consent Agenda.	<input type="checkbox"/> Advance to Board meeting for discussion prior to action.
<input type="checkbox"/> Refer to a future workshop (date):_____	<input type="checkbox"/> Refer to taskforce or committee (date):_____
<input type="checkbox"/> Return to staff for additional work.	<input type="checkbox"/> No further action requested.
<input checked="" type="checkbox"/> Other (specify): Final Action at June 25, 2019 Board Meeting	

**PURPOSE or ACTION REQUESTED:**

Authorization to purchase stormwater monitoring equipment in order to replace a stolen water quality and level monitoring equipment along Minnehaha Creek.

**PROJECT/PROGRAM LOCATION:**

Minnehaha Creek Subwatershed, downstream of the Lake Nokomis weir.

**PROJECT TIMELINE:**

Long term monitoring starting July, 2019

**PROJECT/PROGRAM COST:**

Fund name and number: Research & Monitoring 5001

Current Budget: \$711,018.00

Expenditures to date: \$218,124.88

Requested amount of funding: \$6,388.00

Is a budget amendment requested? No

Is additional staff requested? No

**PAST BOARD ACTION:**

April 12, 2018      RBA 18-040      Authorization to Purchase Stormwater Monitoring Equipment

## **SUMMARY:**

Minnehaha Creek Watershed District (MCWD) staff have partnered with the Minneapolis Park and Recreation Board (MPRB) to monitor stormwater runoff before it reaches Minnehaha Creek and within the creek itself. The goal of the in-stream stations is to characterize the impact of stormwater on flow and water quality in the creek as it flows through Minneapolis and track improvements in water quality due to the installation of best management practices by MCWD and partner organizations. Specialized equipment is required to collect samples during storm events and to accurately measure flow, which provides the following benefits:

- Remote access to real-time water level data
- Increased annual load calculation accuracy
- Ability to share continuous level and flow data with our partners to assist with flood prediction and modeling efforts

The original jobbox, located just downstream of the Lake Nokomis weir, was installed in partnership with MPRB in the fall of 2018. MPRB poured a concrete slab and used concrete anchors to secure the job box. Unfortunately, the concrete anchors were secured from the outside, which meant that the bolts were accessible and could be cut. On May 1<sup>st</sup>, MCWD staff went to install an additional feature to the monitoring station to find the entire job box was stolen. A police report was filed and shortly following an insurance claim was submitted. The insurance reimbursement has now been issued and staff would like to move forward with replacing the equipment.

The new jobbox will be placed in the same location but fabricated in a way to eliminate access to the mounting bolts. Any equipment deployed for continuous collection poses risk for theft, however, staff continue to learn from these incidents and improve installation methods to minimize future risk.

## Recommendation

Staff are seeking Board authorization to purchase stormwater monitoring equipment from Tech Sales Co. for an amount not to exceed \$6,500.00 to replace stolen water quality monitoring equipment.

## **ATTACHMENTS:**

1. Tech Sales Co. quote for equipment

**RESOLUTION**

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**RESOLUTION NUMBER:** 19-065

**TITLE:** **Authorization to Purchase Stormwater Monitoring Equipment**

WHEREAS, pursuant to its watershed management plan, the Minnehaha Creek Watershed District ("District") has worked to develop projects that improve the quality and manage the quantity of stormwater runoff, enhance the ecological integrity of the stream system, and facilitate broader community goals of public partners throughout the urban corridor region of the District;

WHEREAS, through the District's strategic planning process, the Research and Monitoring ("R&M") Department has assumed new priorities beyond baseline water quality monitoring;

WHEREAS, R&M's new priorities support Project and Planning staff by collecting data that informs project placement, design, and effectiveness;

WHEREAS, specialized stormwater sampling equipment is crucial for understanding long term water quality trends and assessing effectiveness of water quality improvement projects;

WHEREAS, the District requires new equipment to replace an existing stormwater monitoring equipment that was stolen;

**NOW, THEREFORE, BE IT RESOLVED** that the Minnehaha Creek Watershed District Board of Managers hereby authorizes the District Administrator to purchase the described stormwater monitoring equipment for an amount not to exceed \$6,500.

Resolution Number 19- was moved by Manager \_\_\_\_\_, seconded by Manager \_\_\_\_\_.  
Motion to adopt the resolution \_\_\_ ayes, \_\_\_ nays, \_\_\_ abstentions. Date: \_\_\_\_\_.

\_\_\_\_\_  
Secretary Date:\_\_\_\_\_

# QUOTATION

**Quotation From:**

TECH SALES CO.  
311 W. 44TH STREET  
MINNEAPOLIS MN 55409  
Ph: (612) 823-8238 Fx: (612) 823-4272

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**Quotation For:**

Minnehaha Creek Watershed  
15320 Minnetonka Blvd  
Minnetonka MN 55345  
Ph: (952) 471-0590 Fx: (952) 471-0682

Quotation#: 2190597  
Revision#: 1  
Date: 06/14/19

Attn: Kailey Cermak E-Mail: kcermak@minnehahacreek.org  
Ref: Isco - Insurance Claim

**Please Address Order To:**

TECH SALES CO.  
311 W. 44TH STREET  
MINNEAPOLIS MN 55409

FOB: Factory  
Shipment: 3-4 Weeks ARO  
Salesman: Travis DeGroot  
Validity: 30 Days  
Terms: NET 30 DAYS

Item	Qty	Part#/Description	Unit Price	Total Price
1	1	686710070 Isco Model 6712 Full-size Portable Sampler. Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, & pocket guide. Does not include bottle configuration kit.	3,877.00	3,877.00
2	1	686700006 24-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two discharge tubes.	225.00	225.00
3	1	686700068 Model 720 Flow Module with submerged probe level sensor and 25' cable.	2,166.00	2,166.00
4	1	603709002 Tubing coupler, 3/8 inch. One-piece, clampless coupler made of stainless steel. Can be used with any Isco sampler.	21.00	21.00
5	1	601394023 Connect cable for external 12V DC source. 6 ft. cable for powering portable Isco sampler or flow meters from an external 12V DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. For use with Isco GLS, 3700, 6100, 6700 Series Portable Samplers & 4200 Series Flowmeters	99.00	99.00
6	1	605314855 Isco SPA 1855. Cut to length cable has a 12-pin connector that connects to the 2105 module and a 6-pin connector that connects to the 4200 series interrogator port. The 2105 receives flow data from the 4200. Max length is 100'.  \$102.00 + \$1.47/ft at 6ft	110.82	110.82
			<b>Quote Total:</b>	<b>6,498.82</b>

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# Q U O T A T I O N

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Quotation#: 2190597  
Revision#: 1  
Date: 06/14/19

Item	Qty	Part#/Description	Unit Price	Total Price
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Prices shown do not include freight or sales tax. MasterCard/Visa payments are accepted but may be subject to a 4% surcharge. Please review this quotation and let us know if you have any questions.

By: \_\_\_\_\_  
Yayao Moua for Travis DeGroot