Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Josh Phillips, PE)
Subject: Item 5C: Consider Approval of 90% Design Plans and Communication Plan for Bassett Creek Double Box Culvert Repair Project (FCP-1) – Minneapolis
BCWMC June 18, 2026 Meeting Agenda
Date: June 11, 2026
Project: 23270051.71 400 002

5C Consider Approval of 90% Design Plans and Communication Plan for Bassett Creek Double Box Culvert Repair Project (FCP-1) – Minneapolis

Summary:
Proposed Work: Bassett Creek Double Box Culvert Repair Project (FCP-1), Minneapolis
Basis for Review at Commission Meeting: 90% Design Plans Review and Proposed Communications Plan
Change Impervious Surface Area: N/A
Recommendations for Commission Action:

1) Consider approval of 90% design plans.
2) Authorize Commission Engineer to finalize design and solicit bids for the project.
3) Consider amending the November 13, 2025 engineering services scope for the Double Box Culvert Repair Project (FCP-1) to include the proposed communications plan and to increase the approved budget by $7,000 to $333,500.

Background

At their March 19, 2026 meeting, the Commission approved the 60% design plans for this project, authorized the Commission Engineer to advance the project to the 90% design stage, and directed the Commission Engineer to develop a proposed communications plan for this project to inform the public of the proposed work.

90% Design

Since March, the Commission Engineer has advanced the plans to the 90% design stage, updated the opinion of probable cost, and prepared draft documents for bidding, contracting, and technical specifications. The opinion of probable cost is attached to this memorandum and the 90% design plans are included with the meeting materials. The draft documents for bidding, contracting, and technical specifications are not attached to this memorandum. Applicable bidding and contracting documents and overall access plans will be provided to the BCWMC Attorney for review and for preparation of site access and staging area agreements. Comments and feedback from the attorney will be incorporated into the final versions of these documents prior to bidding.

The 90% design plans have further refined and defined the construction access locations, but much of the proposed work in the tunnel has not substantively changed, therefore the cost estimate is comparable to what was provided at the 30% and 60% design stages.

Opinion of Cost

The table below summarizes our Engineer's Opinion of Probable Costs, based on the 90% design plans. The detailed Opinion of Probable Costs is included as an attachment.

Item Description	Estimated Cost
Mobilization	$104,000
Water Management / Erosion Control / Traffic Control	$100,000
Removal and Dispose of Debris and Sediment	$58,000
Tunnel Repairs	$615,000
Construction Subtotal	**$877,000**
Construction Contingency (20%)	$175,000
Engineering Budget	$333,500*
Estimated Total Project Cost	**$1,385,500**
Estimated Accuracy Range (-5%)	$1,317,000
Estimated Accuracy Range (+10%)	$1,525,000

*Includes $7,000 recommended for communication plan

Schedule

The table below outlines the expected schedule for the Double Box Culvert project.

Task	Estimated Schedule
1) Stakeholder Engagement and BCWMC Meetings	Ongoing
2) Public Engagement	Not Applicable
3) Permitting	Not Applicable
4a) 60% Design	March 2026
4b) 90% Design	June 2026
4c) 100% Design	July 2026
5) Bidding Services	August 2026
6) Construction Services	Fall 2026 – Spring 2028

City of Minneapolis Capital Project Task Force Approval

In addition to Commission approval of the 90% design plans, review and approval of the project at the 90% design stages is also required by the City of Minneapolis.

This project is tentatively scheduled for the June 22, 2026 City of Minneapolis Capital Project Task Force (CPTF) meeting. The Commission Engineer will incorporate any comments from the CPTF meeting into the design plans.

Proposed Communications Plan

At their March 2026 meeting, the BCWMC requested that Barr develop a communications plan for informing the public and providing information about the Commission's work on this project. Following that meeting, Barr worked with City of Minneapolis staff to develop a plan for project communications during

the maintenance and repair project. The proposed plan includes the creation of a project webpage on the BCWMC's website which will provide an overview of the project, describe project goals, partners, project budget, and construction timelines. The City of Minneapolis will also create a project page for inclusion on the city's website, which will include a link to the BCWMC's project page for additional information.

The proposed plan also includes the development of temporary construction signage to be hung within the project area during the timeframe of the repairs / construction activities to provide information on the project, highlight project partners, and include some general information on the importance and public benefit of the effort. The sign will also include a QR code where readers can link back to the BCWMC project page to obtain more information. The sign will be large enough to be viewed from a distance (assuming up to 4 feet X 10 feet) and constructed of vinyl, roll-up material (or similar) that can be fastened with ties to a fence.

The BCWMC administrator will create the content for the BCWMC project page, with support from Barr staff, as needed. Barr will create the layout and graphic design for the temporary construction signage in consultation with BCWMC and City of Minneapolis staff. Up to two construction signs will be printed and displayed within the project area during project activities (for example: along the Cedar Lake Regional Trail and potentially at a construction staging area). Barr will coordinate the printing and installation. Final locations for the signs will be determined in consultation with City of Minneapolis staff and will prioritize both display of the information within high traffic areas while also prioritizing public safety and appropriate handling of information related to public infrastructure. Costs do not include the replacement of sign(s) due to vandalism or other potential damage.

The estimated costs for the proposed communications plan are $7,000 and these costs have already been added to the cost table in the earlier in this memo.

Recommendation for Commission Action

1) Consider approval of 90% design plans.
2) Authorize Commission Engineer to finalize design and solicit bids for the project.
3) Consider amending the November 13, 2025 engineering services scope for the Double Box Culvert Repair Project (FCP-1) to include the proposed communications plan and to increase the approved budget by $7,000 to $333,500.

BARR

		SHEET:	1	OF	1
		PREPARED BY:	Josh Phillips	DATE:	6/7/2026
CLIENT:	Bassett Creek Watershed Management Commission				
PROJECT:	Bassett Creek Double Box Culvert Repairs (FCP-1)	ISSUED:	60% Design Review	DATE:	3/12/2026
LOCATION:	Minneapolis, MN	ISSUED:	90% Design Review	DATE:	6/11/2026
PROJECT #:	23270051.71	ISSUED:		DATE:	

Engineer's Opinion of Probable Project Cost

90% Design

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QUANTITY	UNIT COST	ITEM COST	NOTES
1	Mobilization	LS	1	$104,000.00	$104,000.00	1,2,3,4,5
2	Water Management	LS	1	$70,000.00	$70,000.00	1,2,3,4,5
3	Temporary Access and Staging Area	LS	1	$30,000.00	$30,000.00	1,2,3,4,5
4	Remove Debris	LS	1	$5,000.00	$5,000.00	1,2,3,4,5
5	Removal Sediment	LF	286	$168.00	$48,048.00	1,2,3,4,5
6	Haul and Dispose Sediment	TON	5	$1,000.00	$5,000.00	1,2,3,4,5
7	Type 1 - Concrete Surface Repair	SF	79	$108.00	$8,532.00	1,2,3,4,5
8	Type 2 - Invert Repair	EA	5	$5,500.00	$27,500.00	1,2,3,4,5
9	Type 3 - Crack Repair	LF	3,303	$74.00	$244,422.00	1,2,3,4,5
10	Type 4 - Fracture Repair	LF	148	$112.00	$16,576.00	1,2,3,4,5
11	Type 5 - Tap Repair	EA	1	$1,860.00	$1,860.00	1,2,3,4,5
12	Type 6 - Shear Key Repair	LF	770	$224.00	$172,480.00	1,2,3,4,5
13	Hydrophilic Grout	GAL	422	$160.00	$67,536.00	1,2,3,4,5
14	Type 7 - Intall Manhole Step	EA	52	$119.00	$6,188.00	1,2,3,4,5
15	Type 8 - Reinforcment Spacer Repair	LF	1,200	$50.00	$60,000.00	1,2,3,4,5
16	Type 9 - Install Fall Protection Anchorage	LS	1	$10,000.00	$10,000.00	1,2,3,4,5
	CONSTRUCTION SUBTOTAL				$877,000	1,2,3,4,5,6
	CONSTRUCTION CONTINGENCY (20%)				$175,000	1,6,7
	ENGINEERING BUDGET				$333,500	6,8,9
	ESTIMATED TOTAL PROJECT COST				**$1,385,500**	1,2,3,4,5,6,7,8
	ESTIMATED ACCURACY RANGE	-5%			$1,317,000	6,7,8
		10%			$1,525,000	6,7,8
	TOTAL PROJECT BUDGET				**$1,410,000**	

Notes

[1] Limited Design Work Completed (90%). Quantities Based on Design Work Completed.

[3] Unit Prices Based on Information Available at This Time.

[4] Limited Soil Boring and Field Investigation Information Available.

[5] Estimate assumes that projects will not be located on contaminated soil.

[6] Estimate costs are reported to nearest thousand dollars.

[7] This feasibility-level (Class 1, 70-100% design completion per ASTM E 2516-11) cost estimate is based on feasibility-level designs, alignments, quantities and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +15%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included.

[8] Estimate costs are to design, construct, and permit each alternative. The estimated costs do not include maintenance, monitoring or additional tasks following constuction.

[9] Engineering costs assume inclusion of the $7,000 for the proposed communications plan.