

# Memorandum

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Stephanie Johnson, PE; Gabby Campagnola)  
**Subject:** Item 4G: CSAH 102 - Douglas Drive Highway Safety Improvement Program (HSIP) –  
Crystal, MN  
BCWMC May 21, 2026 Meeting Agenda  
**Date:** May 14, 2026  
**Project:** 23270051.72 1020 2608

## **4G CSAH 102 Douglas Drive Highway Safety Improvement Program (HSIP) – Crystal, MN BCWMC 2026-08**

### Summary:

**Proposed Work:** Intersection improvements and storm sewer replacement

**Project Proposer:** Hennepin County Public Works

**Project Schedule:** Construction summer/fall 2027

**Basis for Review at Commission Meeting:** Work in the floodplain

**Impervious Surface Area:** Decrease 0.21 acres

**Recommendations for Commission Action:** Approval

## **General Project Information**

The proposed linear project extends along Douglas Drive and includes areas both within and outside of the jurisdiction limits of the BCWMC. The content of this review memo addresses only those project components that are contained within the BCWMC. These project elements are located at the intersections of 32<sup>nd</sup> Avenue, 36<sup>th</sup> Avenue, and 38<sup>th</sup> Avenue on Douglas Drive in the Bassett Creek Park Pond subwatershed in Crystal (see attached map for location). The proposed work includes intersection safety improvements and storm sewer replacements, resulting in 0.45 acres of proposed site disturbance. In the project area, the proposed project results in 0.84 acres of new and fully reconstructed impervious surfaces and overall results in a net decrease of 0.21 acres of impervious surfaces, from 1.12 acres (existing) to 0.91 acres (proposed).

The project was submitted and deemed complete before May 1, 2026, so the application must adhere to the January 2023 BCWMC Requirements for Improvements and Development Proposals document (Requirements document).

## **Floodplain**

The proposed project includes work in the BCWMC (North Branch Bassett Creek) 100-year floodplain. The BCWMC 1% annual-chance (100-year) floodplain elevation of North Branch Bassett Creek at the project site is 870.6 feet NAVD88. The Requirements document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The proposed project will result in approximately 58 cubic yards of floodplain fill due to the proposed roadway improvements. The proposed project will create 64 cubic yards of compensating storage due to the proposed boulevard and upsized storm sewer pipe, resulting in a net gain of approximately 6 cubic yards of floodplain storage.

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Page: 2

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## **Wetlands**

There are no wetland impacts as part of the project.

## **Rate Control**

The proposed linear project does not create one or more acres of net new impervious surfaces; therefore, BCWMC rate control review is not required.

## **Water Quality**

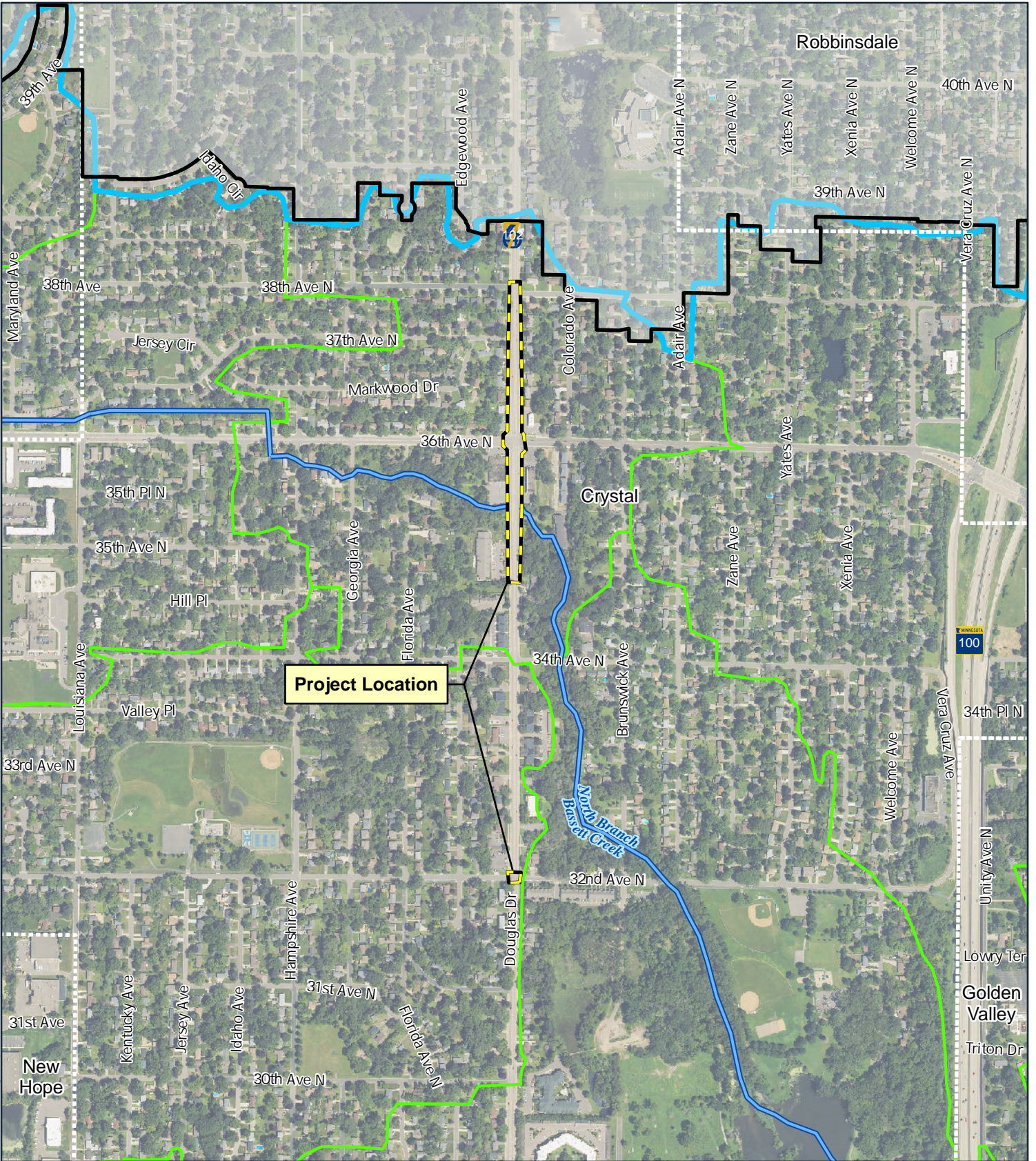
The proposed linear project does not create one or more acres of net new impervious surfaces; therefore, BCWMC water quality review is not required.






## **Erosion and Sediment Control**

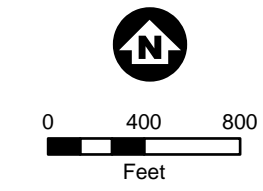
The proposed linear project does not result in one or more acres of land disturbance; therefore, BCWMC erosion and sediment control review is not required.

## **Recommendation for Commission Action**

Approval



-  Project Location
-  Municipality
-  BCWMC Legal Boundary
-  BCWMC Hydrologic Boundary
-  Major Subwatershed



**BCWMC 2026-08**  
**CSAH 102-Douglas Drive HSIP**  
 Crystal, MN

LOCATION MAP

