



Please note the meeting will be held 7:00pm, Wednesday, December 19, 2018 in the County Board Room at the Carver County Government Center, 602 East 4th Street, Chaska, MN.

# LOWER MINNESOTA RIVER WATERSHED DISTRICT

## Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting  
Wednesday, December 19, 2018

### Agenda Item

#### Item 7. F. - LMRWD Project Review

#### Prepared By

Linda Loomis, Administrator

#### Summary

**i. City of Eden Prairie - Peterson Wetland Bank**

The Peterson Family owns several tracts of land east of the TH101 crossing of the Minnesota River. They have proposed turning several acres of the land into wetland bank. I attended a field inspection of the property in 2016 and the District has now received a proposal for the project. The city of Eden Prairie has indicated that they are not considering the application complete for this project, but wanted to release the proposal, which is attached for Board information.

**ii. City of Eden Prairie - Comprehensive Plan Amendments**

The city of Eden Prairie notified the LMRWD that it is proposing to amend its Comprehensive Plan. The city received two request from property owners to consider amending the land use. The amendment the city is considering would change the land use for several parcels of land near the intersection of CSAH 61/Flying Cloud Drive and Spring Road (near Lion's Tap) and extending the MUSA (municipal urban service area). The current land use for the parcels is a mix of low density residential, rural and park & open space. The proposed land use will be low density residential (0-2.5 units/acre). The city has not received any development proposals for this area.

The LMRWD responded that the District has no objection to the change in land use or the extension of the MUSA line, but that any development on steep slopes would have to comply with the LMRWD standards for slopes 18% or greater.

**iii. City of Chanhassen - TH 101 Improvements**

On Wednesday December 19th, staff will be meeting with the city, project consultants and RPBCWD to discuss water resource impacts from this project. We have been provided with wetland delineation information that was done previously for this project. Staff is reviewing this information.

**iv. City of Savage - 12113 Lynn Avenue**

The city was waiting for additional information from the proponent on this project, the last we heard.

**v. Cities of Richfield/Bloomington - TH 77 & 77th Street underpass**

This project is at the 95% draft plan stage. MNDOT has asked for the LMRWD to provide comments on the plan before finalizing the project and requesting bids for construction. Staff has reviewed the plans and prepared a report. The report was provided to the Project engineer and responses to LMRWD comments are part of the

October 24, 2018 report. The LMRWD still has concerns with this project, particularly with the under capacity drainage for I-494. This drainage system will have to be addressed with the proposed MNDOT I494 from TH 169 to MN River project. The Board should approve the project with the condition that changes to the project need to be brought to the LMRWD.

**vi. MNDOT - I494 Brush removal**

MNDOT has notified the LMRWD that it intends to remove brush from the right-of-way along I-494 from TH 5 to TH 13. Staff reviewed the proposal and spoke with MNDOT. The LMRWD concern is with soil disturbance in the area and the proposed disposal of the material removed. MNDOT is not proposing to disturb any soil and material will not be chipped and placed on the site.

**vii. MNDOT - TH 5 Signage projects**

MNDOT notified the LMRWD of a project on TH 5 between I-494 and TH 62. The project consists of metal guard fence replacement within the steep slope overlay district. Staff has reviewed the proposal and determined that this area includes several steep slopes. They requested the shape file delineating the steep slopes, which was provided to them. Staff is reviewing the plans we received and will comment on the proposal.

**viii. MPCA - MN River TSS TMDL**

No new information since last update.

**ix. MN Valley State Trail - EAW (Environmental Assessment Worksheet)**

No new information since last update.

**x. Hennepin County - CSAH 61/Flying Cloud Drive**

Two additional inspections have been made of this project since the last update to the Board. The inspection reports are attached. Staff is planning to attend the next construction meeting on December 18. Since the ground is frozen in most places, inspections will be done monthly, unless there is a rain event or premature snow melt. In which case, an inspection of the project will be conducted.

**xi. MNDOT - I494/TH 5/TH 55 Mill & Overlay project**

No new information since last update.

**xii. MNDOT - I35W Bridge Replacement**

No new information since last update.

**xiii. MNDOT - I494 from TH169 to Minnesota River**

No new information since last update.

**xiv. City of Shakopee - Amazon Fulfillment Center drainage**

No new information since last update.

**xv. MAC/LMRWD/MCWD boundary realignment**

Staff contacted Minnehaha Creek Watershed District (MCWD) to see if they objected to realignment of boundaries to match hydrological boundaries between LMRWD and MCWD. They do not object and asked to review the proposed alignment before submitting a petition to BWSR. MAC will identify the new boundary line.

**xvi. Fort Snelling - Dominion Housing**

Staff received a request from the MN Historical Society, as to whether or not they could propose a cost share project to the LMRWD to restore prairie to the area surrounding the rehabilitated old post for housing. They were told to consult the website for the cost share application.

**xvii. USACOE/USFWS - Bass Ponds, Marsh & Wetland**

A feasibility report has been prepared for this project and is attached for the Board information

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**Attachments**

- [Peterson Wetland Bank - Wetland Mitigation Proposal Prospectus](#)
- Technical Memorandum - Trunk Highway 77 (TH77) and 77th Street Improvements and Underpass Project
- [TH77 & 77th Street graphic](#)
- [November 19, 2018 CSAH 61/Flying Cloud Drive Inspection report](#)
- [December 4, 2018 CSAH 61/Flying Cloud Drive Inspection report](#)
- [Bass Ponds, Marsh & Wetland Habitat Rehabilitation and Enhancement Project Feasibility Report & integrated Environmental Assessment](#)

**Recommended Action**

Motion to approve TH 77 & 77th Street improvements & underpass project

# Technical Memorandum

**To:** Linda Loomis, Administrator  
Lower Minnesota River Watershed District

**From:** Della Schall Young, PMP, CPESC

**Date:** December 12, 2018

**Re:** Truck Highway 77 (TH 77) and 77th Street Improvements and Underpass Project (Project Review)

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As requested, the Lower Minnesota River Watershed District (District) reviewed the Hydraulic Design and Calculations (Calculations) and the 95 percent construction drawings for Truck Highway 77 (TH 77) and 77th Street Improvements and Underpass Project (Project).

The Project consists of constructing 0.36 miles of a new four-lane road connecting 77th Street to Longfellow Avenue, new bridges on TH 77, ramps, and a multiuse trail and sidewalk. The Project affects approximately 15 acres and adds approximately 7.58 acres of impervious area. There is a net increase of 1.43 acres of impervious area within the District boundary. As a result, it triggers the following District standards: Erosion and Sediment Control, Stormwater Management, and Water Appropriations. The Project is neither in high value resource areas nor in steep slopes overlay districts, therefore, general conditions for each of these standards apply. Below are comments discussed and reconciled with Earth Evan, WSB & Associates, the Project's drainage consultant.

1. Erosion and Sediment Control Standard Compliance: The proposed erosion and sediment control measures incorporated into the Storm Water Pollution Prevention Plan, Temp Erosion Control Plan, and Turf Establishment Plan meet the requirements of the MPCA NPDES General Permit for Construction Activities and, therefore, meet the District's standard.

There are a few comments on the plan sheets:

- a. Sheet 223 General Note 4:

- i. Lower Minnesota Watershed District does not have a grading permit. The District reviews projects for compliance with its standards.
- ii. Include the following note: Notify the Lower Minnesota River Watershed District forty-eight hours before the start of construction.

Response from Earth Evans, WSB: *We will incorporate the comments you've provided.*

b. Sheet 254 Stormwater Pollution Prevention Plan:

- i. Agency Contacts: LMRWD, replace Jeff Thuma with Linda Loomis at (763) 545-4659.

Response from WSB: *We will incorporate the comments you've provided.*

2. Stormwater Management Standard Compliance:

- a. Rate control: According to narrative and supporting HydroCAD model outputs, the Project does not exceed existing runoff rates for the 2-year, 10-year, and 100-year 24-hour events using National Oceanic Atmospheric Administration Atlas 14 Volume 8 rainfall distribution. However, are there any drainage issues or concerns in this area that the proposed Project is remedying?

Response from WSB: *The existing storm sewer systems for I494 and TH77 is under capacity. We are not proposing to remedy that issue, but the Addis Pond will provide some additional flood storage for that system. As indicated in the Hyd Memo, the Richfield Pond was designed with a backflow preventer in order to have a gravity system for the underpass, but not allow the under capacity downstream system to back up into the underpass. Finally, for existing conditions, Washington Park floods on the south side of the fields. We are fixing that issue by raising the fields, but constructing the underground system to provide the same amount of storage as existing conditions.*

- b. Volume control: It is not clear whether volume control requirements for the District have been met. Additional clarifying information is needed.

Response from WSB: *The project area is within a High Vulnerability DWSMA. We are therefore not proposing to provide any infiltration measures per the MPCA NPDES Construction General Permit.*

Follow-up comment: Please provide information showing the entire project area, including the ponds, in a DWSMA, or direct me to the figure in the information provided. My apologies, I may have missed it in the supporting materials.

Response from WSB: *We didn't include that exhibit in the report. We'll prepare one and send it over (attached).*

- c. Water quality: There are two ponds proposed in the District: Addis Dry Pond and Richfield Dry Pond. It is unclear whether the District's water quality requirements have been met. Additional clarifying information is needed.

Response from WSB: *Both ponds are proposed to be dry. The project is within MAC and wet ponds are precluded.*

Follow-up comment: Also, in areas where infiltration is not permitted, filtration is the alternative. Will the dry ponds be lined, or will they have some filtration capacity?

Response from WSB: *We didn't propose filtration in the ponds due to proximity to groundwater for the Richfield pond and due to lack of elevation to connect the drain tile system. Elevations are very tight to provide adequate freeboard to the proposed 77th Underpass and connect to the existing trunk storm sewer system.*

3. Water Appropriation Standard Compliance: Include a note on sheet 223, maybe #5. Send a copy of the DNR Temporary Appropriations Permit to the Lower Minnesota River Watershed District.

The information provided sufficiently satisfies the District's requirements and approval is recommended. However, if significant changes are made to the Project, information must be provided to the District expressing how the Project will maintain compliance with applicable District standards.

CC: Earth Evans, WSB