



MARSHALL  
CULTIVATING THE BEST IN US

# FEASIBILITY REPORT

Project ST-015

TH19/College Drive Reconstruction Project

October 22, 2024



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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision, and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

By: Eric R Hanson, P.E.  
Eric R. Hanson, P.E.  
Registration No. 53316

# FEASIBILITY REPORT

## PROJECT ST-015 TH19/COLLEGE DRIVE RECONSTRUCTION PROJECT CITY OF MARSHALL, MINNESOTA

### 1.0 SCOPE

This Feasibility Report as authorized by the City Council, covers the following proposed improvements: reconstruction and utility replacement on Trunk Highway 19 (TH19)/College Drive starting 700' west of Marlene Street and ending at the intersection of Bruce Street and Bruce Street starting 150' south of TH19 and ending 350' north of TH19. The Minnesota Department of Transportation (MnDOT) initiated this reconstruction project and as part of the project the City will be replacing the underground utilities in the areas outlined above.

The project will be funded through various means, including: Federal RAISE grant funds, Federal Local Road & Bridge Grant, State of Minnesota DOT, Marshall Municipal Utilities, Marshall Wastewater Department, Marshall Surface Water Management Utility, special assessments, and Marshall Municipal State Aid funds. The only portion of the project that will be assessed to property owners is the sanitary sewer service lines that benefit each individual property. All other costs that are typically assessed by the City of Marshall are covered by MnDOT or federal grants. Therefore, this feasibility study will only address the sanitary sewer services within the limits of the project.

The project will be constructed in two phases; in 2025 construction will start on the west end of College Drive and end just west of the intersection with Main Street and in 2026 construction will start at Main Street and run through the east end of College Drive and including Bruce Street. Maps showing the limits of Phase 1 and Phase 2 are included in this report.

### 2.0 BACKGROUND / EXISTING CONDITIONS

#### Utilities

Within the limits of the project there is a mix of sanitary sewer lines and sanitary sewer services ranging in size from 4" to 21". A large percentage of the sanitary system in the system is vitrified clay pipe (VCP) and is in poor condition. There are some portions of the project with PVC pipe, but due to the changes in the roadway geometrics (adding a roundabout) and the addition of storm sewer in the corridor the sanitary sewer needs to change alignment.

### 3.0 PROPOSED IMPROVEMENTS

#### Utilities

The proposed utility improvements include installing new sanitary sewer main and sanitary service lines throughout the project, with service lines extended into the adjacent properties.

The sanitary sewer system improvements will include installing new manhole, sewer main, and sewer services within the limits of the project. New PVC sanitary sewer pipes shall be installed. New sewer services will be installed to the right-of-way (ROW) line with a minimum 4" pipe size for residential services.

#### 4.0 STATEMENT OF PROBABLE COST

The estimated costs to complete the proposed sanitary improvements are shown below. The estimated construction costs include a 10% allowance for contingencies and a 16% allowance for administrative and engineering costs. The unit prices for each item of work used in determining the estimated cost of construction were developed by the MnDOT, the costs are based on average weighted bid prices and is subject to change.

<i>Sanitary Sewer Replacement</i>	<u>\$1,717,562.22</u>
<b>Subtotal Estimated Construction Cost</b>	<b>\$1,717,562.22</b>
<i>Contingencies (7%)</i>	<u>\$23,500.00</u>
<b>Total Estimated Construction Cost</b>	<b>\$1,837,762.22</b>
<i>Estimated Engineering, &amp; Administration (16%)</i>	<u>\$294,041.96</u>
<b>Total Estimated Project Cost</b>	<b><u>\$2,131,804.18</u></b>

#### 5.0 PROPOSED ASSESSMENTS

The adjacent properties will not be assessed for sanitary sewer main improvements. All costs for sanitary sewer main will be paid by the City of Marshall Wastewater Department. Sanitary sewer service lines and connection points to the main will be assessed to the adjacent property owners according to current sanitary sewer assessment procedures.

The adjacent properties will not be assessed for the watermain improvements. All costs for watermain and related work will be paid by Marshall Municipal Utilities.

The adjacent properties will not be assessed for the storm water drainage improvements. All costs for storm water drainage improvements will be paid by the Marshall Surface Water Management Utility.

Costs for the highway replacement, driveways, and sidewalks will not be assessed to the adjacent property owners. These costs will not be assessed because MnDOT will be paying for these costs. The City of Marshall is responsible for some intersection costs, including local legs of the roundabout and traffic signals, but these costs are not assessed to property owners. A preliminary assessment roll showing the estimated assessments for each benefiting parcel, City Participation, and utility participation will be prepared at a later date for consideration by the City Council in accordance with the most recent Special Assessment Policy.

#### 6.0 FEASIBILITY/CONDITIONS/QUALIFICATIONS

The proposed improvements as described in this report are necessary, cost-effective, and feasible from an engineering standpoint. The feasibility of this project is contingent upon the findings of the City Council pertaining to project financing and public input.

## 7.0 PROPOSED PROJECT SCHEDULE

The following is the anticipated schedule for the project. MnDOT will be advertising the project as well as completing the bid opening. The project is currently planned for 2 years of construction. In 2025, the construction will start on the west end of the project and end on the west side of Main Street. In 2026, the project will start at the end of Phase 1 and end at the East limits of the project.

October 22, 2024	Receive Feasibility Report
October 25-December 5, 2024	Advertise for Bids (By MnDOT)
December 6, 2024	Bid Opening Date (By MnDOT)
April 9, 2025	Award Contract (By MnDOT)
Spring 2025	Begin Phase 1 Construction (West end to south of Main St)
Spring 2026	Begin Phase 2 Construction (Main St to Bruce St)
October 2026	Public Hearing on Assessment/Adopt Assessment
October 2026	End Construction

# APPENDIX

## PROJECT LIMITS

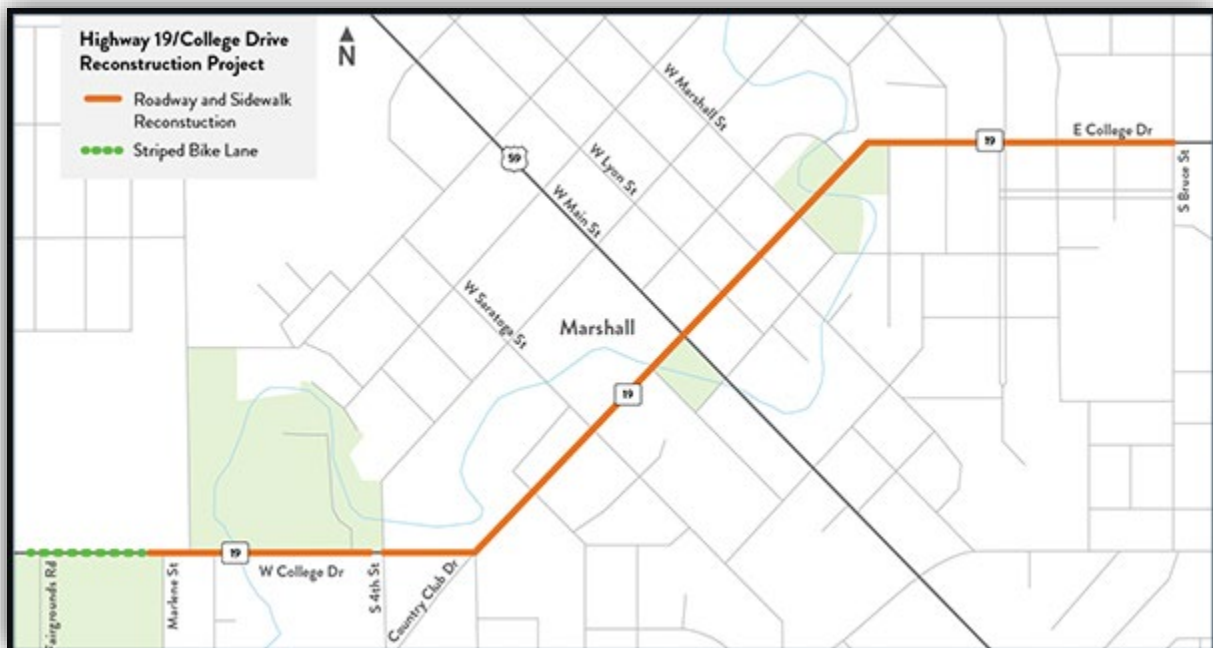


Image from MnDOT website - [Hwy 19 Reconstruction Project - MnDOT \(state.mn.us\)](https://state.mn.us)



PROJECT LAYOUT

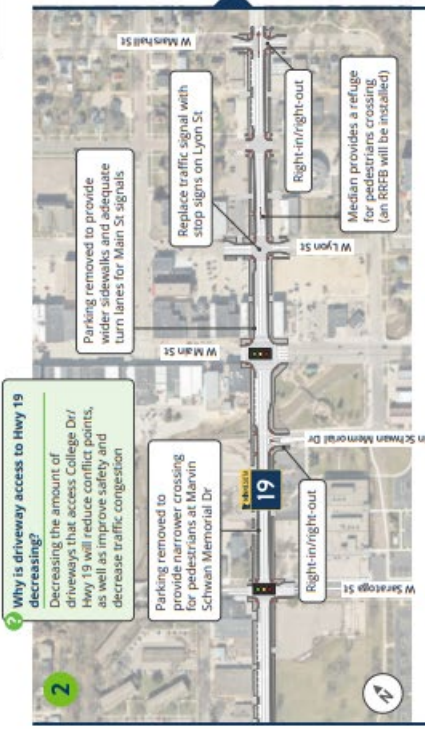


# HWY 19/COLLEGE DRIVE RECONSTRUCTION PROJECT

## PROJECT AREA MAP



**LEARN MORE:**  
Scan this code with your smartphone camera to visit the project webpage.



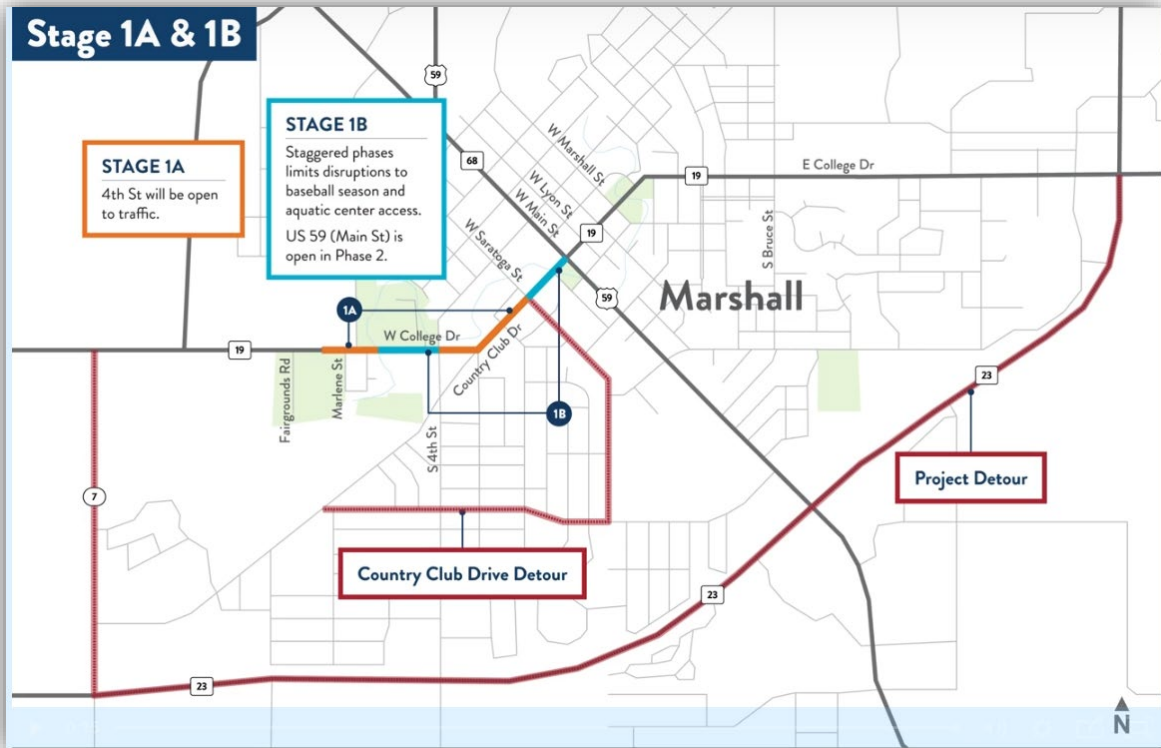
320.212.0206 jesse.vlamirck@state.mn.us  
320.905.2319 melissa.hjelle@state.mn.us

Contact: Jesse Vlamirck, Project Manager  
Melissa Hjelle, Public Engagement Coordinator



Image from MnDOT website - [Hwy19Marshall Layout.pdf \(state.mn.us\)](http://Hwy19Marshall.Layout.pdf)

Stage 1 – 2025 Construction Season



Stage 2 – 2026 Construction Season

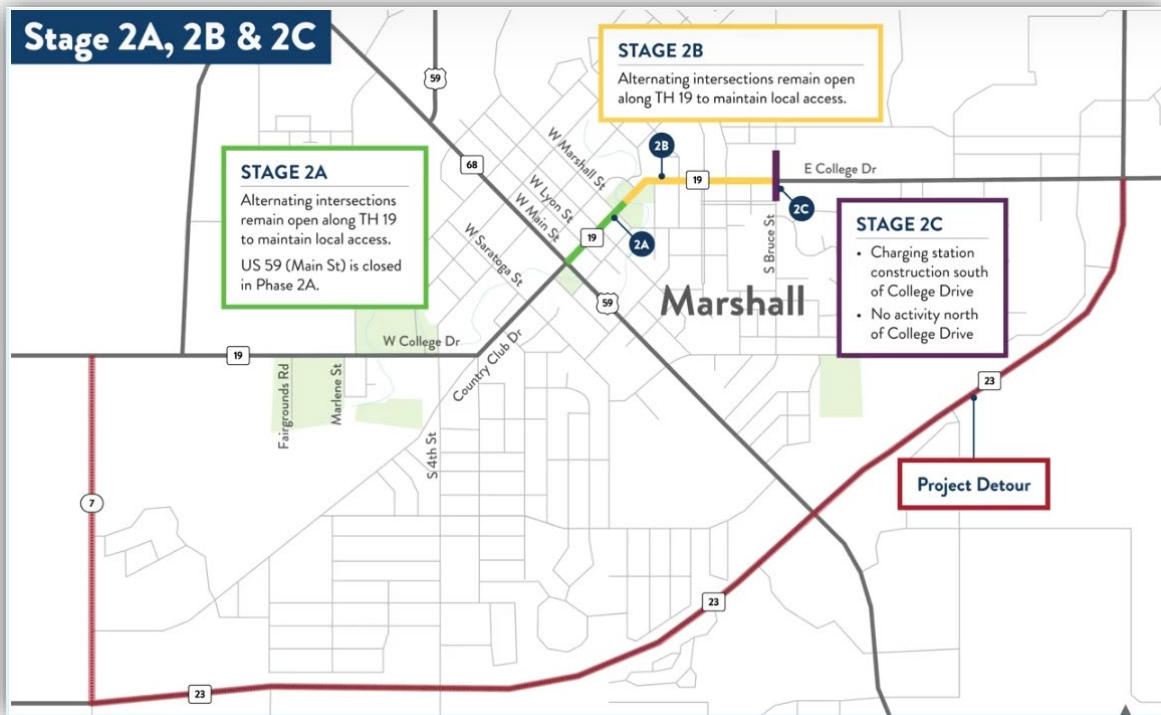


Image from MnDOT website - [Hwy 19 Reconstruction Project - MnDOT \(state.mn.us\)](https://www.mn.gov/transportation/transportation-projects/hwy-19-reconstruction)