



## ***City Council Memorandum***

**To:** Mayor Fasbender & City Council Members  
**From:** Ryan Stempki – Public Works Director  
**Date:** September 3, 2024  
**Item:** Consider Resolution of Intent to Participate – MnDOT Highway 55 Signal Replacements Project S.P. 1910-57, Pleasant Drive and Westview Drive Intersections

### **COUNCIL ACTION REQUESTED**

Council is requested to consider the attached resolution declaring the City's intent to participate in the replacement of existing traffic signals on Highway 55 at the intersections of Pleasant Drive and Westview Drive along with other minor improvements at these locations in 2025.

### **BACKGROUND INFORMATION**

The traffic signals located at Pleasant Drive and Westview Drive are programmed for replacement in MnDOT's State Transportation Improvement Program (STIP) for the fiscal year 2025. These signals at Pleasant Drive and Westview Drive are 41 years old and 38 years old respectively and are well beyond their intended service life of 25 years. Delaying these improvements beyond 2025 is not recommended by MnDOT staff as ongoing maintenance costs are continuing to increase in addition to the rising likelihood of a more impactful failure of these signal systems.

The project is anticipated to require detouring of Highway 55 for approximately two weeks in total in the summer of 2025, with only one direction being detoured at a time for one week each.

As part of MnDOT's standard policy for replacing traffic signal systems along state highways, the City is required to cost share 50% of the signal replacement costs, along with covering 100% of the costs for any City-owned utilities that need to be repaired or relocated within the project scope. In order for MnDOT to move forward with programming these improvements and to begin preparing a cooperative agreement for 2025, a resolution of intent to participate in this project is required. Once a cooperative agreement and final plans have been prepared, City Council will be asked to formally enter into a final agreement with MnDOT.

### **FINANCIAL IMPACT**

The cost share for the City to complete this project is currently estimated to be \$550,000. This includes replacement of the existing signals, relocations of City owned electric facilities for street lighting, and minor storm sewer repairs.

The entirety of this cost is eligible to be paid for out of the City's Municipal State Aid Street (MSAS) funds. MSAS funds will continue to receive annual allocations to remain at a significant balance to contribute toward the anticipated TH 61 cost share in 2027. Our current MSAS Construction Fund Balance is nearly \$3,000,000.

### **STAFF RECOMMENDATION**

Staff is recommending that the City Council move forward in adopting the attached resolution declaring the City's intention to participate in the Highway 55 Signal Replacements Project, S.P. 1910-57.

### **ATTACHMENTS**

Resolution Receiving Bids and Awarding Contract  
MnDOT Lighting and Signal Pre-agreement Letter  
Project Layout

**CITY OF HASTINGS**

X-A-02

DAKOTA COUNTY, MINNESOTA

RESOLUTION NO. \_\_\_\_\_

**RESOLUTION OF INTENT TO PARTICIPATE  
FOR THE MNDOT HIGHWAY 55 SIGNAL REPLACEMENTS – S.P. 1910-57**

**WHEREAS**, The City of Hastings and the Minnesota Department of Transportation (MnDOT) propose to make certain improvements on a portion of T.H. 55 and two intersections, in the City of Hastings under the Fiscal Year 2025 State Project (S.P.) 1910-57, and

**WHEREAS**, It's the City's desire that the State include, in this project letting, certain improvements to T.H. 55 located at the intersections of Pleasant Drive and Westview Drive as well as the adjacent frontage roads (see attached layout), and

**WHEREAS**, the Minnesota Department of Transportation Policy and Procedures for Cooperative Construction Projects with Local Units of Government, the City will have a participation in the cost for this work where the City share is estimated to be approximately \$550,000 or less for the two new signal systems at these locations, relocations of electric facilities for street lighting, and minor repairs to city owned storm sewer – some additional work may arise. The State's share is estimated to be over \$1,500,000 for the entire project. The County of Dakota may also participate for work done on any of their portions of the project if deemed appropriate, and

**WHEREAS**, MnDOT has requested that the City formally indicate its intent to participate in the costs of roadway improvements and signal system improvements as laid out in this project, to include continued ownership and maintenance of the signal systems, and any other agreed upon maintenance as directed under the future cooperative agreement, and other improvements requested by the City and in accordance with MnDOT's "Cost Participation and Maintenance Responsibilities with Local Units of Government Manual" dated October, 2021, and

**NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HASTINGS AS FOLLOWS:**

1. Following approval by the Minnesota Department of Transportation of plans and specifications for the improvement of said trunk highway, before a contract is awarded for the construction of said improvements, the City shall enter into an agreement with the State and shall pay its share of the cost of the requested improvements as determined by the State in accordance with the latest "Cost Participation and Maintenance Responsibilities with Local Units of Government Manual" (a copy of which has been received by the City).

**ADOPTED BY THE CITY COUNCIL OF HASTINGS, MINNESOTA, THIS 3<sup>rd</sup> DAY OF SEPTEMBER, 2024.**

Ayes:

Nays:

ATTEST:

\_\_\_\_\_  
*Kelly Murtaugh, City Clerk*

\_\_\_\_\_  
*Mary D. Fasbender, Mayor*

SEAL

August 20, 2024

Cody Mathisen,  
Hastings City Engineer  
1225 Progress Drive  
Hastings, MN 55033

**Subject: Pre-agreement letter for Traffic Control Signals, S.P. 1910-57 (TH55) TH 55 at Pleasant Drive (Signal System ID No. 1735418), and TH55 at Westview Drive (Signal System ID No. 1735419)**

The Minnesota Department of Transportation has programmed a project that includes signal installation with ADA facilities at the following location: **TH 55 at Pleasant Drive and at TH 55 at Westview Drive** Current letting is scheduled for **April 25, 2025**.

In order to proceed with the project and prepare a cooperative agreement, the Department of Transportation needs concurrence from the participating agencies regarding the cost, power and maintenance responsibilities of the signal and interconnect system. **Please review the preliminary agreement information outlined below and respond on behalf of your agency.**

### **Design Features**

The two new traffic actuated signal systems to be constructed shall include:

- Signal indications with light emitting diodes (LED).
- Emergency vehicle preemption system (EVP - detectors, confirmatory lights and cabinet equipment).
- LED Luminaires over the appropriate mainline signal poles.
- Signal poles will be galvanized steel (If City elects to paint, the cost and maintenance will be 100% city).
- Appropriate pedestrian crossings with Accessible Pedestrian Signals (APS), LED countdown pedestrian indications, and pedestrian curb ramps with truncated domes.
- Mast arm and pole signing, appropriate pavement markings.
- Flashing Yellow Arrow (FYA) indications for appropriate left turns.

### **Cooperative Construction Agreement**

Prior to awarding a contract for the project, a cooperative construction agreement (prepared by MnDOT), for cost, operation, power and maintenance, between the State and the City of Hastings must be fully executed. Current MnDOT policy determines the cost participation, operation and maintenance responsibilities.

### **Cost Participation**

Preliminary cost participation for each agency related to construction of the signal systems, EVP, and state furnished materials are outlined at the end of this letter in a separate attachment entitled "Preliminary Cost Participation Sheet."

MnDOT assumes the cost responsibilities for design.

## **Operation, Power and Maintenance**

X-A-02

The City of Hastings shall be responsible for all power costs (connection fees and monthly power charges) associated with the signal.

### **Maintenance Responsibilities:**

MnDOT will be responsible for operation and major maintenance including EVP, Hastings will be responsible for minor signal maintenance and luminaire maintenance.

### **Maintenance Definitions:**

**Major signal maintenance** (MnDOT) includes replacing above or underground equipment which may include (as applicable): cabinet and contents, loop detectors, EVP, interconnect cables/conduit, mast arms, poles, pedestals, luminaire signal pole extensions, signal heads, etc.

**Minor signal maintenance** (City) includes replacing LED indications, cleaning, and painting (if painted).

**Luminaire maintenance** (City) includes luminaire replacement and cleaning. The luminaires will be metered.

### **Summary:**

If all aspects of the cooperative construction agreement identified within this letter are satisfactory to the City of Hastings, an agreement will be drafted and submitted for execution prior to design completion.

Please contact me with any questions you have regarding any of the above information.

Sincerely,

Christina Caouette  Digitally signed by Christina  
Caouette  
Date: 2024.08.20 13:11:07 -05'00'

Christina Caouette  
Project Manager  
(651) 234-7522

CC: Matthew Barnes – Metro District Traffic Engineering, MS 050\*  
Greg Kern – Metro District Traffic Engineering, MS 050\*  
Michael Fairbanks – Metro Signal Operations Manager, MS 050\*  
Cindy Krumsieg – Metro Planning, MS 050\*  
Almin Ramic – Metro Traffic, (TSAM) MS 050\*  
Ben Christensen – Metro Signing, MS 050\*  
Robert Jones – Metro South Area Management, MS 050\*  
Malaki Ruranika – Municipal Agreements, OTS, MS 682\*  
Linda Heath – ESS, MS 740\*  
\* Electronic copy only (hard copies available upon request)

**Signal System Replacement – TH 55 at Pleasant Drive**

|                             |                  |
|-----------------------------|------------------|
| TH 55 at Pleasant Drive     | \$450,000        |
| Construction Engineering 8% | \$36,000         |
| Contingency/Risk Management | \$40,000         |
| <b>TOTAL SIGNAL COST</b>    | <b>\$526,000</b> |

| <b>COST PARTICIPATION</b> | <b>COST SHARE %</b> | <b>EST. COST SHARE</b> |
|---------------------------|---------------------|------------------------|
| -MNDOT                    | 50%                 | \$263,000              |
| -CITY OF HASTINGS         | 50%                 | \$263,000              |

Note: Cost does not include painting if requested by City

**Signal System Replacement – TH 55 at Westview Drive**

|                             |                  |
|-----------------------------|------------------|
| TH 55 at Westview Drive     | \$450,000        |
| Construction Engineering 8% | \$36,000         |
| Contingency/Risk Management | \$40,000         |
| <b>TOTAL SIGNAL COST</b>    | <b>\$526,000</b> |

| <b>COST PARTICIPATION</b> | <b>COST SHARE %</b> | <b>EST. COST SHARE</b> |
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| -MNDOT                    | 50%                 | \$263,000              |
| -CITY OF HASTINGS         | 50%                 | \$263,000              |

Note: Cost does not include painting if requested by City

***\*Note that there will also be other construction costs within our R/W that will be the responsibility of the city – a separate estimate will be completed for other construction costs outside these signal system costs.***

S.P. 1910-57 (TH 55) LAYOUT

