



City of Hopkins

1010 First Street South • Hopkins, MN 55343-7573 • Phone: 952-935-8474 • Fax: 952-935-1834
Web address: www.hopkinsmn.com

April 28, 2014

Mr. Karl Keel, P.E.
Chair, TAC Funding and Programming Committee
Metropolitan Council
390 Robert Street North
St. Paul, MN 55101

RE: Scope Change Request
S.P. 132-030-003
2015 Mainstreet Improvements
City of Hopkins

Dear Mr. Keel:

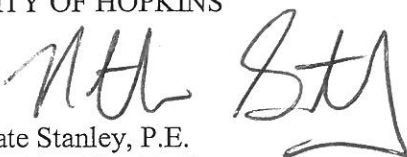
The City of Hopkins respectfully requests that the Metropolitan Council TAC Funding and Programming Committee consider the attached Scope Change request for the above referenced project at its May 15, 2014 meeting.

In 2013, the City of Hopkins applied for and was ultimately selected to receive Highway Safety Improvement Program (HSIP) funding for pedestrian and signal upgrades for Mainstreet between 5th Avenue and 13th Avenue. Since being awarded the grant, the City has determined the value of incorporating this work into a larger project extending from 5th Avenue to 20th Avenue. The larger project will connect to the reconstruction of Hennepin County State Aid Highway (CSAH) 61 (Shady Oak Road), to be completed in 2015 as a separate project. The Mainstreet project will include watermain replacement between 5th Avenue and 11th Avenue, mill and overlay for the full project corridor, refurbishing/replacement of corridor streetscape elements, and other components.

Extending the project limits and adding the work elements to the initial HSIP project as proposed will not negatively impact the project's ability to achieve the safety goals outlined in the initial HSIP application. The additional funding required will be provided by the City, and a revision to the HSIP grant is not being requested. Combining the HSIP work with the larger corridor improvement project will increase the efficiency of the corridor improvement program and decrease the local disruption that would be caused by a phased approach for Mainstreet.

The enclosed information provides further detail regarding this request. If you have any questions regarding this request, please contact me at 952-548-6356 or nstanley@hopkinsmn.com.

Sincerely,
CITY OF HOPKINS


Nate Stanley, P.E.
Hopkins City Engineer

cc: Mike Waltman, P.E., Bolton & Menk

SCOPE CHANGE REQUEST
Mainstreet Improvements
S.P. 132-030-003
Hopkins, Minnesota

Location Map

A map showing the project location within the area and region is provided as **Figure 1**.

Revised Project Description

In 2013, the City of Hopkins applied for and was awarded Highway Safety and Improvement Program (HSIP) funding for pedestrian and signal improvements on Mainstreet between 5th Avenue and 13th Avenue (see **Figure 2**). Since being awarded the grant, the City has determined the value of incorporating these safety improvements into a longer and more comprehensive corridor improvement project. In 2014 and 2015, the City along with Hennepin County will be completing the long-awaited reconstruction of Shady Oak Road (CSAH 61). That project, separate from S.P 132-030-003, will reconstruct one block of Mainstreet from Shady Oak Road to 20th Avenue. The locally funded Mainstreet improvement work proposed by the City to be added to S.P. 132-030-003 will further enhance the federally funded safety improvements along Mainstreet, and will also better address the seven block gap that would have resulted between the two projects without this Scope Change (see **Figure 2**).

The primary project elements of the proposed project are described below. The key additions that are proposed in this Scope Change request relative to the original HSIP project are shown in ***bold italics***. In this information, the term ***“full project corridor”*** refers to Mainstreet between 5th Avenue and 20th Avenue.

1. Pedestrian ramp improvements meeting ADA requirements for all intersections between 5th Avenue and 13th Avenue. ***Pedestrian ramp improvements meeting ADA requirements for all intersections from 14th Avenue to 20th Avenue.***
2. Installation of Accessible Pedestrian Signal (APS) push button signals and signs with countdown timers at existing signals at 5th Avenue, 7th Avenue, 8th Avenue, 9th Avenue, 10th Avenue, 11th Avenue, and 12th Avenue.
3. Signal coordination and re-timing at the same locations receiving APS upgrades identified above.
4. ***Mill and overlay pavement rehabilitation along the full project corridor.***
5. ***Replacement of watermain and overlying pavement between 5th Avenue and 11th Avenue to meet additional capacity needs.***
6. ***Replacement of additional subgrade water services and overlying pavement from 8th Avenue to 11th Avenue.***
7. ***Rehabilitate/refurbish select streetscape elements and furnishings through the full project corridor; includes pavers, trash receptacles, benches, tree grates, and other elements.***
8. ***Replace trees which are in poor health through the full project corridor.***
9. ***Spot curb and sidewalk replacement along the full project corridor.***

- 10. Replace crosswalks with decorative designs more characteristic of historic Mainstreet.**
- 11. Replace existing HPS streetlights with LED systems through the full project corridor.**
- 12. Correct nuisance drainage issues through additional catch basins as needed throughout the full project corridor.**

Extending the project limits and adding work elements to the initial HSIP project as proposed will not negatively impact the project’s ability to achieve the safety goals as outlined in the initial HSIP application. Combining the HSIP work with the larger corridor improvement project will increase the efficiency of the overall corridor improvement program and decrease the local disruption that would be caused by separate construction projects. The full project as proposed will provide a range of needed safety, infrastructure, and aesthetic improvements for this critical corridor for the City of Hopkins.

Work to be Completed

Survey and geotechnical work for the proposed full project have been completed, and preliminary design is currently underway for the transportation/safety, infrastructure, and streetscape refurbishing elements. With the approval of the Scope Change request, the City will submit the Project Memorandum to MnDOT State Aid. **Exhibit 1** shows the anticipated project schedule.

Revised Cost Estimate

The table below summarizes costs and funding information for the original HSIP project as well the revised information assuming the Scope Change as proposed. Detailed cost information is provided in **Exhibit 2**.

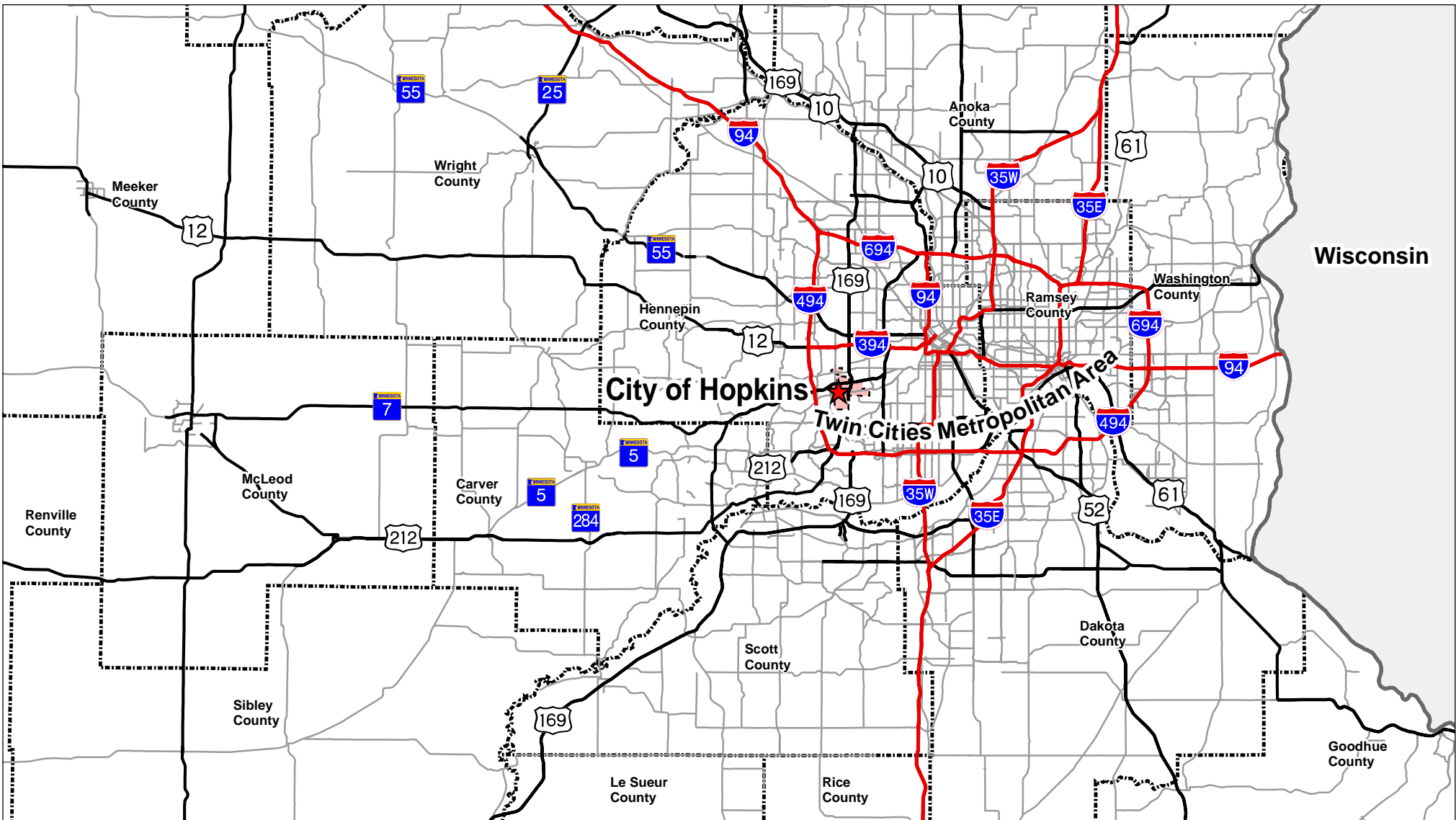
| Funding Source | Original HSIP Projectⁱ | Proposed with Scope Change |
|------------------------|--|-----------------------------------|
| Federal HSIP – FY 2015 | \$660,960 | \$660,960 |
| Local | \$73,440 | \$3,435,040 |
| Total | \$734,400 | \$4,096,000 |

Updated Project Description

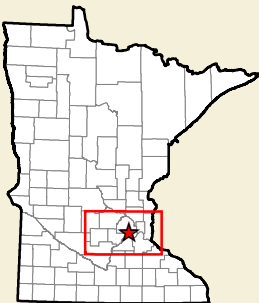
Mainstreet from 5th Avenue to 20th Avenue; push button, pedestrian countdown timers, APS and ADA improvements, mill and overlay, streetscape, lighting.

The project description and cost will be updated in the 2015-2018 TIP.

ⁱ As identified in current list of STIP Amendments pending – 2014-2017 STIP



- Legend**
- Project Location
 - Interstate Highway
 - Principal Arterial
 - Minor Arterial
 - Location City
 - Municipal Boundary
 - County Boundary

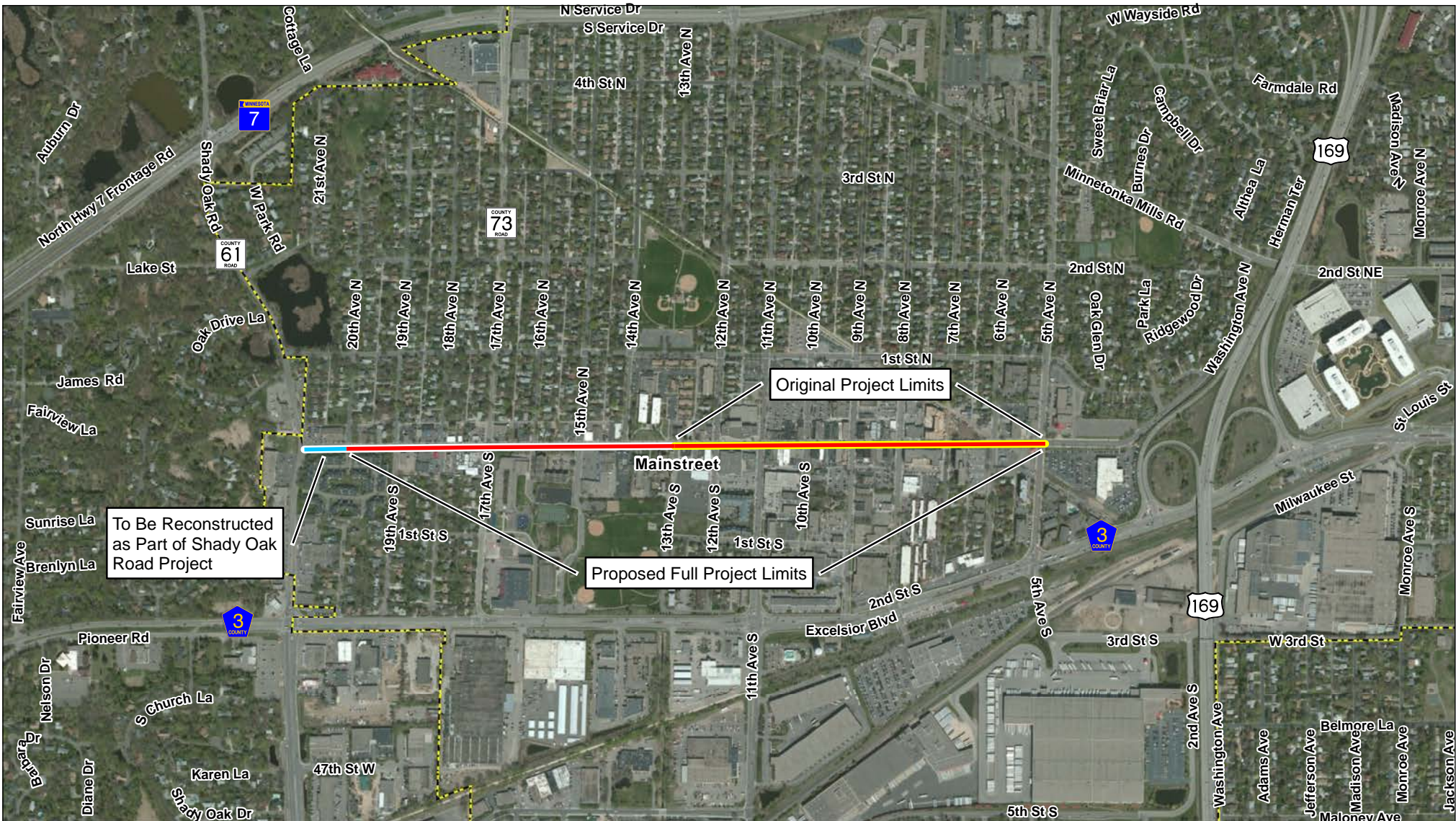


SP 132-030-003
2014 MAIN STREET
IMPROVEMENTS
Scope Change Request
State Map

Figure 1
 April 2014

Source: MndNR, MnDOT





Legend

- Proposed Full Project Limits
- Original Project Limits
- To Be Reconstructed as Part of Shady Oak Road Project
- City Limits

Source: ESRI, MnDOT, DNR



**SP 132-030-003
2014 MAIN STREET
IMPROVEMENTS
Scope Change Request
Project Location**

Figure 2
April 2014

Hopkins Mainstreet Scope Change Request
Exhibit 1: Anticipated Project Schedule

Right-of-Way Acquisition

- No right-of-way or temporary easement needs anticipated.

Project Development and Documentation

- Public Open House #1 – May 2014
- Draft Project Memorandum submittal – June 2014
- Final Project Memorandum submittal – July 2014
- Project Memorandum approval – August 2014

Final Design and Construction

- Public Open House #2 – June 2014
- Permits – June 2014
- Plan submittal to MnDOT State Aid – July 2014
- Plan approval by MnDOT State – September 2014
- Bid process – September/October 2014
- Begin construction – July 2015
- Complete construction – October 2015

Exhibit 2

PRELIMINARY ENGINEER'S ESTIMATE

2015 MAINSTREET IMPROVEMENTS
 CITY OF HOPKINS, MN
 BMI PROJECT NO. T16.106575
 S.P. 132-030-003

MAINSTREET: 5TH AVENUE TO 20TH AVENUE

4/17/2014

| ITEM NO. | ITEM | UNIT | ESTIMATED UNIT PRICE | ESTIMATED TOTAL QUANTITY | ESTIMATED TOTAL AMOUNT |
|----------|--|----------|----------------------|--------------------------|------------------------|
| 1 | MOBILIZATION | LUMP SUM | \$118,000.00 | 1.00 | \$ 118,000 |
| 2 | TRAFFIC CONTROL | LUMP SUM | \$100,000.00 | 1.00 | \$ 100,000 |
| 3 | REMOVE CONCRETE CURB AND GUTTER | LIN FT | \$3.00 | 3,210 | \$ 10,000 |
| 4 | MILL BITUMINOUS PAVEMENT (3" DEPTH) | SQ YD | \$2.00 | 16,700 | \$ 33,000 |
| 5 | REMOVE BITUMINOUS PAVEMENT | SQ YD | \$3.00 | 8,900 | \$ 27,000 |
| 6 | REMOVE CONCRETE PAVEMENT | SQ YD | \$5.00 | 3,300 | \$ 17,000 |
| 7 | SAW-CUT BITUMINOUS PAVEMENT | LIN FT | \$3.00 | 8,000 | \$ 24,000 |
| 8 | SAW-CUT CONCRETE PAVEMENT | LIN FT | \$5.00 | 2,000 | \$ 10,000 |
| 9 | 12" AGGREGATE BASE CLASS 5 | TON | \$15.00 | 6,300 | \$ 95,000 |
| 10 | COMMON EXCAVATION | CU YD | \$15.00 | 3,500 | \$ 53,000 |
| 11 | SUBGRADE EXCAVATION | CU YD | \$15.00 | 500 | \$ 8,000 |
| 12 | STABILIZING AGGREGATE | CU YD | \$22.00 | 500 | \$ 11,000 |
| 13 | 2.5" BITUMINOUS WEARING COURSE | TON | \$75.00 | 2,600 | \$ 195,000 |
| 14 | 2" BITUMINOUS NON-WEARING COURSE | TON | \$80.00 | 2,300 | \$ 184,000 |
| 15 | PAVING FABRIC | SQ YD | \$3.00 | 25,600 | \$ 77,000 |
| 16 | BITUMINOUS MATERIAL FOR TACK COAT | GAL | \$5.00 | 3,100 | \$ 16,000 |
| 17 | 3" BITUMINOUS STREET PATCHING | TON | \$175.00 | 140 | \$ 25,000 |
| 18 | 4" CONCRETE WALK - SPOT REPLACEMENT | SQ FT | \$4.50 | 30,200 | \$ 136,000 |
| 19 | B618 CURB & GUTTER - SPOT REPLACEMENT | LIN FT | \$20.00 | 6,220 | \$ 124,000 |
| 20 | 8" COMMERCIAL CONCRETE DRIVEWAY - SPOT REPLACEMENT | SQ YD | \$50.00 | 200 | \$ 10,000 |
| 21 | 2'X3' CATCH BASIN REPLACEMENT | EACH | \$2,500.00 | 30 | \$ 75,000 |
| 22 | DRAINAGE IMPROVEMENTS | LUMP SUM | \$150,000.00 | 1.00 | \$ 150,000 |
| 23 | ADJUST STORM CASTING | EACH | \$200.00 | 30 | \$ 6,000 |
| 24 | SANITARY SEWER MH CASTING REPLACEMENT | EACH | \$700.00 | 20 | \$ 14,000 |
| 25 | STORM SEWER MH CASTING REPLACEMENT | EACH | \$700.00 | 20 | \$ 14,000 |
| 26 | STORM SEWER CB CASTING REPLACEMENT | EACH | \$700.00 | 30 | \$ 21,000 |
| 27 | 12" DI WATERMAIN PIPE | LIN FT | \$60.00 | 2,050 | \$ 123,000 |
| 28 | 6" DI WATERMAIN PIPE | LIN FT | \$35.00 | 750 | \$ 26,000 |
| 29 | 4" DI WATERMAIN PIPE | LIN FT | \$30.00 | 200 | \$ 6,000 |
| 30 | CONNECT TO EXISTING WATER SERVICE | EACH | \$300.00 | 30 | \$ 9,000 |
| 31 | CONNECT TO EXISTING WATERMAIN | EACH | \$500.00 | 16 | \$ 8,000 |
| 32 | 12" BFV & BOX | EACH | \$2,200.00 | 20 | \$ 44,000 |
| 33 | 8" GV & BOX | EACH | \$1,800.00 | 20 | \$ 36,000 |
| 34 | 6" GV & BOX | EACH | \$1,400.00 | 9 | \$ 13,000 |
| 35 | HYDRANT | EACH | \$3,500.00 | 7 | \$ 25,000 |
| 36 | DUCTILE IRON FITTINGS | POUND | \$6.50 | 3,000 | \$ 20,000 |
| 37 | REGULATORY & WARNING SIGN REPLACEMENT | LUMP SUM | \$20,000.00 | 1 | \$ 20,000 |
| 38 | PAVEMENT STRIPING | LUMP SUM | \$7,000.00 | 1.00 | \$ 7,000 |
| 39 | CROSSWALK MARKINGS | SQ FT | \$6.00 | 12,020 | \$ 72,000 |
| 40 | TRUNCATED DOMES (PEDESTRIAN RAMPS) | SQ FT | \$35.00 | 1,664 | \$ 58,200 |

Exhibit 2

PRELIMINARY ENGINEER'S ESTIMATE

2015 MAINSTREET IMPROVEMENTS
 CITY OF HOPKINS, MN
 BMI PROJECT NO. T16.106575
 S.P. 132-030-003

MAINSTREET: 5TH AVENUE TO 20TH AVENUE

4/17/2014

| ITEM NO. | ITEM | UNIT | ESTIMATED UNIT PRICE | ESTIMATED TOTAL QUANTITY | ESTIMATED TOTAL AMOUNT |
|--|---|----------|----------------------|--------------------------|------------------------|
| 41 | INLET PROTECTION | EACH | \$150.00 | 39 | \$ 6,000 |
| 42 | REMOVE & REPLACE TREE | EACH | \$700.00 | 29 | \$ 20,000 |
| 43 | TREE GRATE | EACH | \$2,500.00 | 20 | \$ 50,000 |
| 44 | PUBLIC WAYFINDING SIGNAGE | LUMP SUM | \$25,000.00 | 1 | \$ 25,000 |
| 45 | SITE FURNISHING (BENCHES, OUTLETS, ETC.) REHABILITATION | LUMP SUM | \$75,000.00 | 1 | \$ 75,000 |
| 46 | REMOVE & REPLACE BRICK PAVERS | SQ FT | \$13.00 | 24,700 | \$ 321,000 |
| 47 | LED POST TOP ACORN FIXTURE | EACH | \$2,000.00 | 150 | \$ 300,000 |
| 48 | LED SHOEBOX FIXTURE | EACH | \$2,000.00 | 35 | \$ 70,000 |
| 49 | REMOVE LUMINAIRE | EACH | \$80.00 | 185 | \$ 15,000 |
| 50 | LED PEDESTRIAN COUNTDOWN TIMER | EACH | \$800.00 | 56 | \$ 44,800 |
| 51 | SIGNAL CABINET AND CONTROLLER | EACH | \$25,000.00 | 7 | \$ 175,000 |
| 52 | EQUIPMENT PAD FOUNDATION | EACH | \$800.00 | 7 | \$ 5,600 |
| 53 | PVC HANDHOLE | EACH | \$800.00 | 35 | \$ 28,000 |
| 54 | APS PUSH BUTTON UNIT AND SIGNS | EACH | \$550.00 | 56 | \$ 30,800 |
| 55 | APS CONTROL UNIT | EACH | \$3,100.00 | 7 | \$ 21,700 |
| 56 | ACCESSIBLE PUSH BUTTON STATION | EACH | \$550.00 | 56 | \$ 30,800 |
| 57 | 2" NMC CONDUIT | LIN FT | \$5.00 | 1,120 | \$ 5,600 |
| 58 | 4" NMC CONDUIT | LIN FT | \$12.00 | 3,675 | \$ 44,100 |
| 59 | 2/C #14 CABLE | LIN FT | \$1.50 | 13,370 | \$ 20,100 |
| 60 | SERVICE CABINET (SIGNAL) | EACH | \$3,800.00 | 7 | \$ 26,600 |
| 61 | SERVICE CABINET EQUIPMENT PAD | EACH | \$750.00 | 7 | \$ 5,300 |
| 62 | SIGNAL REMOVALS | SYSTEM | \$1,500.00 | 7 | \$ 10,500 |
| 63 | INTERCONNECTION | SYSTEM | \$9,000.00 | 7 | \$ 63,000 |
| SUBTOTAL | | | | | \$ 3,414,000 |
| 20% CONTINGENCY | | | | | \$ 682,000 |
| ESTIMATED CONSTRUCTION COST - 5TH AVENUE TO 20TH AVENUE | | | | | \$ 4,096,000 |