Application

13861-2020 Roadway Modernization
14071 - Highway 169/County Road 130 Interchange Reconstruction
Regional Solicitation - Roadways Including Multimodal Elements
Status: Submitted
Submitted Date: 05/15/2020 11:26 AM

## Primary Contact

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| :---: | :---: | :---: | :---: |
|  | Salutation | First Name | Last Name |
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| Address: | City of Maple Grove |  |  |
|  | 12800 Arbor Lakes Parkway |  |  |
|  | City of Maple Grove |  |  |
|  | Maple Grove | Minnesota | 55369 |
|  | City | State/Province | Postal Code/Zip |
| Phone:* | 763-494-6364 |  |  |
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| What Grant Programs are you most interested in? | Regional Soli Elements | ation - Roadways | Multimodal |

## Organization Information

Name:

Jurisdictional Agency (if different):

Organization Type:
Organization Website:
Address:
City
www.maplegrovemn.gov
12800 Arbor Lakes Parkway N

| MAPLE GROVE | Minnesota | 55311-6180 |
| :--- | :--- | :--- |
| City | State/Province | Postal Code/Zip |

Hennepin
763-494-6000
Phone:*

Fax:
PeopleSoft Vendor Number

0000020964

## Project Information

Highway 169 and County Road 130 Interchange
Reconstruction
Hennepin
Maple Grove, Brooklyn Park
Hennepin County

Brief Project Description (Include location, road name/functional class, type of improvement, etc.)

The proposed reconstruction of the TH 169/CSAH 130 interchange will provide improved operations and safety at a vital interchange serving the Gravel Mining Area growth and developments in the City of Maple Grove. In addition, the CSAH 130 corridor serves an important role as an A Minor Arterial Reliever, providing an alternative east-west route in place of the I-94 freeway facility during peak travel conditions.

The TH 169/CSAH 130 interchange is currently a diamond interchange with an on-ramp loop in the northwest quadrant. CSAH 130 is a four-lane undivided roadway with closely spaced intersections between Jefferson Highway/Kilmer Lane and Mendelssohn Avenue. Operations and safety are greatly impacted along this segment due to the absence of turn lanes at the west ramp, onramp loop, east ramp and Mendelssohn Avenue intersections, which impacts the overall efficiencies of the interchange itself.

The proposed interchange improvements include the reconstruction and widening of the bridge over TH 169 to provide a diverging diamond interchange (DDI) with geometrically realigned ramps. There will be four westbound lanes and three eastbound lanes with the multi-use trail on the CSAH 130 bridge. Existing traffic signals will also be replaced at the TH 169 east and west ramp intersections. The DDI configuration will improve the overall capacity and safety of the interchange.

The interchange project will also include accommodations for bicyclists and pedestrians to provide a safe connection over TH 169 between Maple Grove and Brooklyn Park. A 10-foot multiuse trail will be added on the south side between Northland Drive and Jefferson Highway/Kilmer Lane. The proposed trail will connect the existing
trails along CSAH 130 in Maple Grove to Brooklyn Park while closing a RBTN gap. Painted crosswalks and pedestrian signing will provide better visibility to motorists, creating a safe crossing for trail users. Pedestrian signals will be upgraded to countdown timers, and pushbuttons and ramps will meet ADA standards.

The TH 169 and CSAH 130 interchange reconstruction will:

- Provide a more efficient interchange to accommodate existing and future traffic volumes
- Provide a reliable alternate route to the I-94 freeway facility during congested periods
- Provide a safer multimodal transportation system for all modes
- Enhance pedestrian and bicycle travel along the corridor by linking the Maple Grove and Brooklyn Park trail systems
- Improve access to employment opportunities in Maple Grove and Brooklyn Park
- Improve access to accommodate freight traffic to and from the Gravel Mining Area

TRANSPORTATION IMPROVEMENT PROGRAM (TIP) DESCRIPTION - will be used in TIP if the project is selected for funding. See MnDOT's TIP description guidance.

Project Length (Miles)

Reconstruction of the TH 169 and CSAH 130 interchange to a DDI, Construction of multiuse trail.
0.5

## Project Funding

Are you applying for competitive funds from another source(s) to implement this project?

If yes, please identify the source(s)
Federal Amount \$7,000,000.00
Match Amount \$6,795,000.00
Minimum of $20 \%$ of project total
Project Total
\$13,795,000.00
For transit projects, the total cost for the application is total cost minus fare revenues.
Match Percentage 49.26\%
Minimum of 20\%
Compute the match percentage by dividing the match amount by the project total

Source of Match Funds
Municipal State Aid Construction funds and the City of Maple Grove's Trunk Transportation Fund.

A minimum of $20 \%$ of the total project cost must come from non-federal sources; additional match funds over the $20 \%$ minimum can come from other federal sources

Preferred Program Year
Select one:
2025
Select 2022 or 2023 for TDM projects only. For all other applications, select 2024 or 2025.
Additional Program Years:
Select all years that are feasible if funding in an earlier year becomes available.

## Project Information-Roadways

| County, City, or Lead Agency | City of Maple Grove |
| :--- | :--- |
| Functional Class of Road | A-minor Arterial Reliever |
| Road System | CSAH |
| TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET |  |
| Road/Route No. | 130 |
| i.e., 53 for CSAH 53 |  |
| Name of Road | Elm Creek Boulevard/77th Avenue (Maple Grove), |
| Example; 1st ST., MAIN AVE | Brooklyn Boulevard (Brooklyn Park) |
| Zip Code where Majority of Work is Being Performed | 55369 |
| (Approximate) Begin Construction Date | $03 / 17 / 2025$ |
| (Approximate) End Construction Date | $05 / 07 / 2027$ |
| TERMINI:(Termini listed must be within 0.3 miles of any work) |  |
| From: |  |
| (Intersection or Address) |  |
| To: |  |
| (Intersection or Address) |  |

Or At TH 169 and CSAH 130
Miles of Sidewalk (nearest 0.1 miles) 0
Miles of Trail (nearest 0.1 miles) 0.5
Miles of Trail on the Regional Bicycle Transportation Network
(nearest 0.1 miles)
Primary Types of Work
0.5

Examples: GRADE, AGG BASE, BIT BASE, BIT SURF,
SIDEWALK, CURB AND GUTTER,STORM SEWER,
SIGNALS, LIGHTING, GUARDRAIL, BIKE PATH, PED RAMPS,
BRIDGE, PARK AND RIDE, ETC.
BRIDGE/CULVERT PROJECTS (IF APPLICABLE)
Old Bridge/Culvert No.:
27630
New Bridge/Culvert No.:
Structure is Over/Under
(Bridge or culvert name):

## Requirements - All Projects

## All Projects

1.The project must be consistent with the goals and policies in these adopted regional plans: Thrive MSP 2040 (2014), the 2040 Transportation Policy Plan (2018), the 2040 Regional Parks Policy Plan (2018), and the 2040 Water Resources Policy Plan (2015).

Check the box to indicate that the project meets this requirement. Yes
2. The project must be consistent with the 2040 Transportation Policy Plan. Reference the 2040 Transportation Plan goals, objectives, and strategies that relate to the project.

Briefly list the goals, objectives, strategies, and associated pages:

Goal B: Strategies B1 and B6; Page 2.7

Goal C: Strategies C1, C4, C7, C9, C11, C12, C15, and C18; Pages 2.8-2.10

Goal D: Strategies D1, D2, and D3; Page 2.11

Goal E: Strategies E2, E3, E4, E5, E6, and E7; Pages 2.12-2.13

Goal F: Strategies F2, F3, F4, F5, F7, and F8; Pages 2.14-2.15

Limit 2,800 characters, approximately 400 words
3. The project or the transportation problem/need that the project addresses must be in a local planning or programming document. Reference the name of the appropriate comprehensive plan, regional/statewide plan, capital improvement program, corridor study document [studies on trunk highway must be approved by the Minnesota Department of Transportation and the Metropolitan Council], or other official plan or program of the applicant agency [includes Safe Routes to School Plans] that the project is included in and/or a transportation problem/need that the project addresses.

Maple Grove 2040 Transportation Plan - Pages: 14, 16, 25, 49

Limit 2,800 characters, approximately 400 words
4. The project must exclude costs for studies, preliminary engineering, design, or construction engineering. Right-of-way costs are only eligible as part of transit stations/stops, transit terminals, park-and-ride facilities, or pool-and-ride lots. Noise barriers, drainage projects, fences, landscaping, etc., are not eligible for funding as a standalone project, but can be included as part of the larger submitted project, which is otherwise eligible.

Check the box to indicate that the project meets this requirement. Yes
5.Applicants that are not State Aid cities or counties in the seven-county metro area with populations over 5,000 must contact the MnDOT Metro State Aid Office prior to submitting their application to determine if a public agency sponsor is required.

Check the box to indicate that the project meets this requirement. Yes
6.Applicants must not submit an application for the same project elements in more than one funding application category.

Check the box to indicate that the project meets this requirement. Yes
7.The requested funding amount must be more than or equal to the minimum award and less than or equal to the maximum award. The cost of preparing a project for funding authorization can be substantial. For that reason, minimum federal amounts apply. Other federal funds may be combined with the requested funds for projects exceeding the maximum award, but the source(s) must be identified in the application. Funding amounts by application category are listed below.
Strategic Capacity (Roadway Expansion): \$1,000,000 to \$10,000,000
Roadway Reconstruction/Modernization: \$1,000,000 to \$7,000,000
Traffic Management Technologies (Roadway System Management): \$250,000 to \$3,500,000
Spot Mobility and Safety: \$1,000,000 to \$3,500,000
Bridges Rehabilitation/Replacement: \$1,000,000 to \$7,000,000
Check the box to indicate that the project meets this requirement. Yes
8. The project must comply with the Americans with Disabilities Act (ADA).

Check the box to indicate that the project meets this requirement. Yes
9.In order for a selected project to be included in the Transportation Improvement Program (TIP) and approved by USDOT, the public agency sponsor must either have a current Americans with Disabilities Act (ADA) self-evaluation or transition plan that covers the public right of way/transportation, as required under Title II of the ADA. The plan must be completed by the local agency before the Regional Solicitation application deadline. For the 2022 Regional Solicitation funding cycle, this requirement may include that the plan is updated within the past five years.

The applicant is a public agency that employs 50 or more people and has a completed ADA transition plan that covers the public right of way/transportation.

Date plan completed:
Link to plan:
The applicant is a public agency that employs fewer than 50 people and has a completed ADA self-evaluation that covers the Yes public right of way/transportation.

Date self-evaluation completed:

Link to plan:

Upload plan or self-evaluation if there is no link
Upload as PDF
10. The project must be accessible and open to the general public.

Check the box to indicate that the project meets this requirement. Yes
11.The owner/operator of the facility must operate and maintain the project year-round for the useful life of the improvement, per FHWA direction established 8/27/2008 and updated 6/27/2017.

Check the box to indicate that the project meets this requirement. Yes
12. The project must represent a permanent improvement with independent utility. The term independent utility means the project provides benefits described in the application by itself and does not depend on any construction elements of the project being funded from other sources outside the regional solicitation, excluding the required non-federal match. Projects that include traffic management or transit operating funds as part of a construction project are exempt from this policy.

Check the box to indicate that the project meets this requirement. Yes
13.The project must not be a temporary construction project. A temporary construction project is defined as work that must be replaced within five years and is ineligible for funding. The project must also not be staged construction where the project will be replaced as part of future stages. Staged construction is eligible for funding as long as future stages build on, rather than replace, previous work.

Check the box to indicate that the project meets this requirement. Yes
14.The project applicant must send written notification regarding the proposed project to all affected state and local units of government prior to submitting the application.

Check the box to indicate that the project meets this requirement. Yes

## Roadways Including Multimodal Elements

1.All roadway and bridge projects must be identified as a principal arterial (non-freeway facilities only) or A-minor arterial as shown on the latest TAB approved roadway functional classification map.

Check the box to indicate that the project meets this requirement. Yes
Roadway Expansion and Reconstruction/Modernization and Spot Mobility projects only:
2.The project must be designed to meet 10 -ton load limit standards.

Check the box to indicate that the project meets this requirement. Yes
Bridge Rehabilitation/Replacement and Strategic Capacity projects only:
3.Projects requiring a grade-separated crossing of a principal arterial freeway must be limited to the federal share of those project costs identified as local (non-MnDOT) cost responsibility using MnDOTs Cost Participation for Cooperative Construction Projects and Maintenance Responsibilities manual. In the case of a federally funded trunk highway project, the policy guidelines should be read as if the funded trunk highway route is under local jurisdiction.

Check the box to indicate that the project meets this requirement.
4.The bridge must carry vehicular traffic. Bridges can carry traffic from multiple modes. However, bridges that are exclusively for bicycle or pedestrian traffic must apply under one of the Bicycle and Pedestrian Facilities application categories. Rail-only bridges are ineligible for funding.

Check the box to indicate that the project meets this requirement.
Bridge Rehabilitation/Replacement projects only:
5.The length of the bridge must equal or exceed 20 feet.

Check the box to indicate that the project meets this requirement.
6. The bridge must have a National Bridge Inventory Rating of 6 or less for rehabilitation projects and 4 or less for replacement projects.

Check the box to indicate that the project meets this requirement.
Roadway Expansion, Reconstruction/Modernization, and Bridge Rehabilitation/Replacement projects only:
7. All roadway projects that involve the construction of a new/expanded interchange or new interchange ramps must have approval by the Metropolitan Council/MnDOT Interchange Planning Review Committee prior to application submittal. Please contact Michael Corbett at MnDOT ( Michael.J.Corbett@state.mn.us or 651-234-7793) to determine whether your project needs to go through this process as described in Appendix F of the 2040 Transportation Policy Plan.

Check the box to indicate that the project meets this requirement. Yes

## Requirements - Roadways Including Multimodal Elements

## Specific Roadway Elements

| CONSTRUCTION PROJECT ELEMENTS/COST | Cost |
| :--- | ---: |
| ESTIMATES | $\$ 500,000.00$ |
| Mobilization (approx. 5\% of total cost) | $\$ 500,000.00$ |
| Removals (approx. 5\% of total cost) | $\$ 600,000.00$ |
| Roadway (grading, borrow, etc.) | $\$ 1,700,000.00$ |
| Roadway (aggregates and paving) | $\$ 0.00$ |
| Subgrade Correction (muck) | $\$ 800,000.00$ |
| Storm Sewer | $\$ 125,000.00$ |
| Ponds | $\$ 400,000.00$ |
| Concrete Items (curb \& gutter, sidewalks, median barriers) | $\$ 400,000.00$ |
| Traffic Control | $\$ 250,000.00$ |
| Striping | $\$ 600,000.00$ |
| Signing | $\$ 400,000.00$ |
| Lighting | $\$ 200,000.00$ |
| Turf - Erosion \& Landscaping | $\$ 3,500,000.00$ |
| Bridge | $\$ 100,000.00$ |
| Retaining Walls | $\$ 700,000.00$ |
| Noise Wall (not calculated in cost effectiveness measure) | $\$ 100,000.00$ |

Other Natural and Cultural Resource Protection ..... $\$ 0.00$
RR Crossing ..... $\$ 0.00$
Roadway Contingencies ..... \$2,000,000.00
Other Roadway Elements ..... $\$ 500,000.00$
Totals ..... \$13,375,000.00
Specific Bicycle and Pedestrian Elements
CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES ..... Cost
Path/Trail Construction ..... $\$ 100,000.00$
Sidewalk Construction ..... $\$ 200,000.00$
On-Street Bicycle Facility Construction ..... $\$ 0.00$
Right-of-Way ..... $\$ 0.00$
Pedestrian Curb Ramps (ADA) ..... \$50,000.00
Crossing Aids (e.g., Audible Pedestrian Signals, HAWK) ..... $\$ 0.00$
Pedestrian-scale Lighting ..... $\$ 0.00$
Streetscaping ..... \$50,000.00
Wayfinding ..... $\$ 0.00$
Bicycle and Pedestrian Contingencies ..... \$20,000.00
Other Bicycle and Pedestrian Elements ..... $\$ 0.00$
Totals ..... \$420,000.00
Specific Transit and TDM Elements
CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES ..... Cost
Fixed Guideway Elements ..... $\$ 0.00$
Stations, Stops, and Terminals ..... $\$ 0.00$
Support Facilities ..... $\$ 0.00$
Transit Systems (e.g. communications, signals, controls, fare collection, etc.) ..... $\$ 0.00$
Vehicles ..... $\$ 0.00$
Contingencies ..... $\$ 0.00$
Right-of-Way ..... $\$ 0.00$
Other Transit and TDM Elements ..... $\$ 0.00$
Totals ..... \$0.00

## Transit Operating Costs

| Number of Platform hours | 0 |
| :--- | :--- |
| Cost Per Platform hour (full loaded Cost) | $\$ 0.00$ |
| Subtotal | $\$ 0.00$ |
| Other Costs - Administration, Overhead,etc. | $\$ 0.00$ |

## Totals

| Total Cost | $\$ 13,795,000.00$ |
| :--- | :--- |
| Construction Cost Total | $\$ 13,795,000.00$ |
| Transit Operating Cost Total | $\$ 0.00$ |

## Measure B: Project Location Relative to Jobs, Manufacturing, and Education

Existing Employment within 1 Mile:
Existing Manufacturing/Distribution-Related Employment within 1 Mile:

Existing Post-Secondary Students within 1 Mile:

Upload Map

Please upload attachment in PDF form.

16295

6500

5676
1589289723634_Hwy 169 and CR 130 Interchange
Reconstruction_Regional Economy.pdf

## Measure C: Current Heavy Commercial Traffic

RESPONSE: Select one for your project, based on the Regional Truck Corridor Study:
Along Tier 1:
Miles:
0
(to the nearest 0.1 miles)
Along Tier 2: Yes
Miles: 0.5
(to the nearest 0.1 miles)
Along Tier 3:
Miles:
0
(to the nearest 0.1 miles)
The project provides a direct and immediate connection (i.e., intersects) with either a Tier 1, Tier 2, or Tier 3 corridor:

None of the tiers:

## Measure A: Current Daily Person Throughput

| Location | West of TH 169 |
| :--- | :--- |
| Current AADT Volume | 21600 |
| Existing Transit Routes on the Project | 721 |

For New Roadways only, list transit routes that will likely be diverted to the new proposed roadway (if applicable).

Upload Transit Connections Map
1589493760395_Hwy169andCR130InterchangeReconstructio
n_TransitConnections.pdf
Please upload attachment in PDF form.

## Response: Current Daily Person Throughput

Average Annual Daily Transit Ridership 0<br>Current Daily Person Throughput

28080.0

## Measure B: 2040 Forecast ADT

Use Metropolitan Council model to determine forecast (2040) ADT volume

If checked, METC Staff will provide Forecast (2040) ADT volume

## OR

Identify the approved county or city travel demand model to determine forecast (2040) ADT volume

Forecast (2040) ADT volume
Maple Grove 2040 Transportation Plan
28000

## Measure A: Connection to disadvantaged populations and projects benefits, impacts, and mitigation

1.Sub-measure: Equity Population Engagement: A successful project is one that is the result of active engagement of low-income populations, people of color, persons with disabilities, youth and the elderly. Engagement should occur prior to and during a projects development, with the intent to provide direct benefits to, or solve, an expressed transportation issue, while also limiting and mitigating any negative impacts. Describe and map the location of any low-income populations, people of color, disabled populations, youth or the elderly within a $1 / 2$ mile of the proposed project. Describe how these specific populations were engaged and provided outreach to, whether through community planning efforts, project needs identification, or during the project development process. Describe what engagement methods and tools were used and how the input is reflected in the projects purpose and need and design. Elements of quality engagement include: outreach and engagement to specific communities and populations that are likely to be directly impacted by the project; techniques to reach out to populations traditionally not involved in community engagement related to transportation projects; feedback from these populations identifying potential positive and negative elements of the proposed project through engagement, study recommendations, or plans that provide feedback from populations that may be impacted by the proposed project. If relevant, describe how NEPA or Title VI regulations will guide engagement activities.

The TH 169 Corridor Study conducted by MnDOT in 1998 identified the need to reconstruct the interchange. Project engagement with equity populations is tied to the City's 2040
Comprehensive Plan process, as the City called on existing and new relationships with community organizations, residents, businesses, and institutions to utilize their expertise to understand project needs in the area.

Response:
Community engagement during the Plan development process was held between August 2016 and April 2018. Community Open Houses were held on April 26 and May 5, 2017. Meeting notices were published on the City's website and the Osseo Maple Grove Press newspaper.

> The City of Maple Grove also developed the Gravel Mining Area South Master Plan with a process beginning in the Fall of 2018 and Plan approval in November 2019. During the development of this Plan, the city engaged with major developers and property owners in the planning area in April and May of 2019.

The proposed DDI interchange project is in area above the regional average for population in poverty or people of color. The project will provide direct safety, access, community and public health benefits to low-income, people of color, children, people with disabilities and the elderly.

Safety: With the lack of a multiuse trail there is currently a gap in the trail system between Maple Grove and Brooklyn Park. The DDI design will benefit pedestrian and bicycle safety by adding a separate, dedicated 10 -foot multiuse trail along CSAH 130 that is protected from general purpose vehicles. The improvements include ADA ramps and crossings and pedestrian refuge islands to improve mobility for people with disabilities. The design will reduce the number of conflict points between pedestrian and vehicular traffic as pedestrians will only interact with one direction of vehicle flow.

Access: The proposed improvements provide a vital link between retail services and job opportunities in Maple Grove and people living to the east. The CSAH 130 trail provides improved access for residents traveling from their neighborhoods to Monroe elementary school, parks, daycare and transit stops.

Improved transit access is especially paramount for the 5,700 students at Hennepin Technical College, located at the proposed project?s northeast quadrant. Hennepin Technical college offers a twoyear degree where a vast majority of its students drive or take transit to attend class. The interchange improvements will provide a safer and more efficient route to school for students attending Hennepin Technical College. In addition, those students using transit may also work in the Arbor

> Lakes retail area. A 10 -foot multi-use trail will provide an improved connection between school and work.

> Community Connectivity: TH 169 effectively creates a barrier to connecting residents to the east side of TH 169 with the retail and jobs on the west side. The proposed interchange will improve community connectivity by providing a more efficient and safe interchange area to travel through by walking, biking or driving.
(Limit 2,800 characters; approximately 400 words)
b. Describe any negative impacts to low-income populations, people of color, children, people with disabilities, and the elderly created by the project, along with measures that will be taken to mitigate them. Negative impacts that are not adequately mitigated can result in a reduction in points.
Below is a list of negative impacts. Note that this is not an exhaustive list.
Increased difficulty in street crossing caused by increased roadway width, increased traffic speed, wider turning radii, or other elements that negatively impact pedestrian access.
Increased noise.
Decreased pedestrian access through sidewalk removal / narrowing, placement of barriers along the walking path, increase in auto-oriented curb cuts, etc.
Project elements that are detrimental to location-based air quality by increasing stop/start activity at intersections, creating vehicle idling areas, directing an increased number of vehicles to a particular point, etc.
Increased speed and/or cut-through traffic.
Removed or diminished safe bicycle access.
Inclusion of some other barrier to access to jobs and other destinations.
Displacement of residents and businesses.
Mitigation of temporary construction/implementation impacts such as dust; noise; reduced access for travelers and to businesses; disruption of utilities; and eliminated street crossings.
Other

## Response:

This proposed project does not create any negative impacts for low-income populations, people of color, children, people with disabilities, or the elderly who travel through this interchange area by walking, biking or driving. Pedestrian and bicycle crossings will become safer due to ADA accessibility improvements, reduced conflict points with traffic, and the introduction of pedestrian refuge islands to separate vehicular traffic. Populations with disabilities will be able to cross the roadway without obstacle, using accessible ramps and crossings. With the introduction of the DDI, pedestrians will only interact with one direction of traffic, decreasing the difficulty in street crossing and reducing conflict opportunities between pedestrian and vehicular traffic.

As with most interchange projects, there will be temporary construction impacts on the traveling public, nearby residents and businesses such as noise, dust, vibration, traffic congestion, and general inconvenience to roadway access and mobility. Roadway users who rely on CSAH 130 to access TH 169 will be directed to other alternate routes, as needed. The project construction will incorporate proper noise, dust, and traffic mitigation and will not negatively impact disadvantaged populations present in the project area by maintaining access to businesses, housing, and minimizing construction nuisances.
(Limit 2,800 characters; approximately 400 words)

## Select one:

3.Sub-measure: Bonus Points Those projects that score at least $80 \%$ of the maximum total points available through sub-measures 1 and 2 will be awarded bonus points based on the geographic location of the project. These points will be assigned as follows, based on the highestscoring geography the project contacts:
a. 25 points to projects within an Area of Concentrated Poverty with $50 \%$ or more people of color
b. 20 points to projects within an Area of Concentrated Poverty
c. 15 points to projects within census tracts with the percent of population in poverty or population of color above the regional average percent
d. 10 points for all other areas

Project is located in an Area of Concentrated Poverty where 50\%
or more of residents are people of color (ACP50):

Project located in Area of Concentrated Poverty:
Projects census tracts are above the regional average for population in poverty or population of color:

Project located in a census tract that is below the regional average for population in poverty or populations of color or includes children, people with disabilities, or the elderly:
(up to $40 \%$ of maximum score )
Upload the "Socio-Economic Conditions" map used for this measure. The second map created for sub measure A1 can be uploaded on the Other Attachments Form, or can be combined with the "Socio-Economic Conditions" map into a single PDF and uploaded here.

Upload Map 1589290371439_Hwy 169 and CR 130 Interchange Reconstruction_Socio-Economic Conditions.pdf

## Measure B: Part 1: Housing Performance Score

|  | Segment Length <br> (For stand-alone <br> projects, enter <br> population from <br> Cegity <br> map) within each <br> City/Township | Segment <br> Length/Total <br> Project Length | Score | Housing Score <br> Multiplied by <br> Segment percent |
| :--- | :--- | :---: | :---: | :---: |
|  | 4171.0 | 0.45 | 79.0 | 35.511 |
| Maple Grove | 3056.0 | 0.33 | 100.0 | 32.935 |
| Brooklyn Park | 2052.0 | 0.22 | 57.0 | 12.605 |

## Total Project Length

## Housing Performance Score

| Total Project Length (Miles) or Population | 9279.0 |
| :--- | :--- |
| Total Housing Score | 81.051 |

## Affordable Housing Scoring

## Part 2: Affordable Housing Access

Reference Access to Affordable Housing Guidance located under Regional Solicitation Resources for information on how to respond to this measure and create the map.
If text box is not showing, click Edit or "Add" in top right of page.

Although there are no affordable housing units within $1 / 2$ mile of the proposed DDI project, many nearby affordable units outside that buffer are sure to be influenced by the improved traffic operations at this well-used regional interchange. Nearby affordable housing includes:

- Bottineau Ridge Apartments: Existing development with 50 units ( 61 BR, 242 BR, 203 $B R$ ). Participates in HOME program funding and LIHTC. At least 20 percent of units are rented to those earning 50 percent or less AMI. Section 8 vouchers accepted.
- Bottineau Ridge Phase 2: Existing development with 50 units ( $61 \mathrm{BR}, 242 \mathrm{BR}, 163 \mathrm{BR}, 44 \mathrm{BR}$ ). Participates in HOME program funding and LIHTC. At least 20 percent of units are rented to those earning 50 percent or less AMI. Section 8 vouchers accepted.
- Park Haven Apartments: 6917 76th Avenue, Brooklyn Park. Existing site with 28 units (1, 2 and 3 BR). Participates in an affordable housing program. Qualified residents will pay rent based on 30 percent of their adjusted income. Section 8 vouchers accepted.

These residents living east and west of TH 169 can use the improved DDI interchange for work, school and other daily activities by automobile. The proposed interchange project with the inclusion of trail improvements on the south side will improve access for all transportation modes, especially for those residents living in Brooklyn Park with limited access to a car to travel to work or retail areas in Maple Grove by use of CSAH 130.

# Measure A: Year of Roadway Construction 

Year of Original
Roadway Construction or Most Recent Reconstruction

Segment Length
Calculation
Calculation 2

## Total Project Length

Total Project Length (as entered in "Project Information" form)
0.5

## Average Construction Year

Weighted Year
1984

## Total Segment Length (Miles)

Total Segment Length

## Measure B: Geometric, Structural, or Infrastructure Improvements

Improved roadway to better accommodate freight movements:
Yes
The project will improve access to TH 169, the most heavily used non-interstate highway freight corridor in Hennepin County. The project will also improve the operational efficiency of local freight shippers and receivers located along CSAH 130 through upgraded ramp geometrics to better accommodate large trucks. CSAH 130 is a heavily traversed east-west freight corridor through the Gravel Mining Area and serves as a freight reliever providing freight carriers an alternative route to the I-94 when making shipments. Heavy commercial traffic may use CSAH 130 when congestion arises to meet shipping deadlines.

Improved clear zones or sight lines:

Response:
(Limit 700 characters; approximately 100 words)
Improved roadway geometrics:

Response:

Yes
Existing ramps will be realigned to allow for unique phase combinations and better sight distances at turn locations; effectively spreading out conflict points throughout the interchange and reducing accident prone areas. The DDI improvements will also reduce queuing onto the TH 169 mainline as well as improve clearances from the mainline to the existing bridge abutment. Specifically, the project will realign all TH 169 to CSAH 130 on and offramps which will have ancillary affects with improved clear zones and sight lines on TH 169.

## Yes

The DDI will improve roadway operations through geometric design improvements that significantly improve safety by reducing conflict points from 26 for a conventional intersection to 14 for a DDI. The new off ramps will be realigned to allow for unique phase combinations and better sight distance at turns, effectively spreading out conflict points throughout the interchange. The improved design allows for free left and right turns from all directions and increases left-turn lane capacity and lane queueing capacity between ramp terminals. There are only two signal phases needed, allowing for a shorter cycle length and better regional network synchronization.

Yes

Response:
(Limit 700 characters; approximately 100 words)
Vertical/horizontal alignment improvements:

Response:

Limit 700 characters; approximately 100 words)
Improved stormwater mitigation:

Response:

The new interchange will consolidate access points, resulting in a more efficient interchange. Currently, there are four access points along the project segment that are not consistent with Hennepin County?s access spacing guidelines. The project will eliminate two of the four access points. The existing on-ramp loop in the northwest quadrant will be removed and the access for Mendelssohn Avenue will be closed. The City of Maple Grove, the City of Brooklyn Park and Hennepin County will work together to close this access and optimize ongoing access management along the corridor.

## Yes

The proposed DDI includes the reconstruction and widening of the bridge over TH 169, maintaining vertical and horizontal clearance requirements. The construction of the new off ramps will be realigned to allow for free left and right turns from all directions to improve horizontal clearance.

Yes
The new bridge, ramps and roadways will minimize stormwater runoff to the surrounding wetlands. The City has adopted erosion and sediment control policies, which will help alleviate impacts from construction on the wetlands and hydric soils. When the project is designed, all efforts will be taken to ensure that minimal impacts to the wetlands occur. Proper mitigation techniques will be used when construction takes place and best management practices will be employed. Additional right of way is not needed, construction time is reduced, and less right of way is required for a DDI than a typical cloverleaf.

Yes

New traffic signals with pedestrian countdown timers will be constructed at the TH 169 west and east ramps along CSAH 130. The project will also paint crosswalks for safer travel along the corridor.
New roadway lighting fixtures along the entire bridge segment with improved photometrics will enhance vehicle and pedestrian safety by more effectively lighting the pathway for evening and early morning use.

Response:
(Limit 700 characters; approximately 100 words)

## Measure A: Congestion Reduction/Air Quality

| Total Peak | Total Peak | Total Peak |  |  |  | EXPLANA |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hour | Hour | Hour |  |  |  | TION of |

158949057
4594_Hwy
169andCR
130Interch
angeRecon
struction_J
effersonHig
hway.pdf
158949069
7061_Hwy
169andCR
130Interch
angRecons
truction_Ea
st.pdf

## Vehicle Delay Reduced

Total Peak Hour Delay Reduced
Total Peak Hour Delay Reduced
31720.0
5608.0

## Measure B:Roadway projects that do not include new roadway segments or railroad grade-separation elements

| Total (CO, NOX, and VOC) <br> Peak Hour Emissions <br> without the Project <br> (Kilograms): | Total (CO, NOX, and VOC) <br> Peak Hour Emissions with <br> the Project (Kilograms): | Total (CO, NOX, and VOC) <br> Peak Hour Emissions <br> Reduced by the Project <br> (Kilograms): |
| :---: | :---: | :---: |
| 6.33 | 3.57 | 2.76 |
| 6 | 4 | 3 |

## Total

Total Emissions Reduced:
Upload Synchro Report
2.76

1589491660785_MG Synchro Emissions Report.pdf

## Measure B: Roadway projects that are constructing new roadway segments, but do not include railroad grade-separation elements (for Roadway Expansion applications only):

Total (CO, NOX, and VOC)<br>Peak Hour Emissions without the Project (Kilograms):<br>Total (CO, NOX, and VOC) Peak Hour Emissions with the Project (Kilograms):

Total (CO, NOX, and VOC)
Peak Hour Emissions
Reduced by the Project
(Kilograms):

## Total Parallel Roadway

Emissions Reduced on Parallel Roadways
Upload Synchro Report
Please upload attachment in PDF form. (Save Form, then click 'Edit' in top right to upload file.)

## New Roadway Portion:

Cruise speed in miles per hour with the project: 0
Vehicle miles traveled with the project: 0
Total delay in hours with the project: 0
Total stops in vehicles per hour with the project: 0
Fuel consumption in gallons: 0
Total (CO, NOX, and VOC) Peak Hour Emissions Reduced or Produced on New Roadway (Kilograms):

EXPLANATION of methodology and assumptions used:(Limit
1,400 characters; approximately 200 words)
Total (CO, NOX, and VOC) Peak Hour Emissions Reduced by the Project (Kilograms):

$$
0.0
$$

## Measure B:Roadway projects that include railroad grade-separation elements

Cruise speed in miles per hour without the project:
Vehicle miles traveled without the project:
Total delay in hours without the project:
Total stops in vehicles per hour without the project:
Cruise speed in miles per hour with the project: 0
Vehicle miles traveled with the project: 0
Total delay in hours with the project: 0

| Total stops in vehicles per hour with the project: | 0 |
| :--- | :--- |
| Fuel consumption in gallons (F1) | 0 |
| Fuel consumption in gallons (F2) | 0 |
| Fuel consumption in gallons (F3) | 0 |
| Total (CO, NOX, and VOC) Peak Hour Emissions Reduced by the | 0 |
| Project (Kilograms): |  |
| EXPLANATION of methodology and assumptions used:(Limit |  |
| 1,400 characters; approximately 200 words) |  |

# Measure A: Roadway Projects that do not Include Railroad Grade-Separation Elements 

Crash Modification Factor Used:
(Limit 700 Characters; approximately 100 words)

Rationale for Crash Modification Selected:
(Limit 1400 Characters; approximately 200 words)
Project Benefit (\$) from B/C Ratio
Total Fatal (K) Crashes: 0
Total Serious Injury (A) Crashes: 0
Total Non-Motorized Fatal and Serious Injury Crashes: 0
Total Crashes: 19
Total Fatal (K) Crashes Reduced by Project: 0
Total Serious Injury (A) Crashes Reduced by Project: 0
Total Non-Motorized Fatal and Serious Injury Crashes Reduced by 0 Project:

Total Crashes Reduced by Project: 6

Worksheet Attachment
1589291766932_Hwy 169 and CR 130 Interchange
Reconstruction_Safety Analysis.pdf

Please upload attachment in PDF form.

## Roadway projects that include railroad grade-separation elements:

Average daily trains:

Measure A: Multimodal Elements and Existing Connections

The project will improve safety for pedestrians and cyclists along CSAH 130 by providing a separate, dedicated pedestrian and bicycle trail parallel to general purpose vehicles. This improvement is consistent with the "Proven Safety Countermeasures" document that indicates the importance for agencies to integrate pedestrian walkways into the transportation system to provide safer travel conditions for pedestrians. The proposed 10-foot multi-use trails will be constructed from Jefferson Highway/Kilmer Lane to Northland Drive, which will complement the interchange project with a safer pedestrian system connecting the communities east and west of TH 169.

The design of the diverging diamond interchange will decrease the number of conflict opportunities between pedestrian and vehicular traffic while crossing TH 169. A DDI allows one-way traffic flow in both directions, reducing conflict points for vehicles and pedestrians crossing the roadway. The pedestrian refuge islands constructed as part of the interchange are included in the "Proven Safety Countermeasures" as a suggested method to reduce the potential for pedestrian injuries and fatalities.

Other pedestrian improvements associated with the DDI design include minimized crossing distances, reduced overall right-of-way footprint, two-phase traffic signal control with reduced pedestrian wait time, and significantly reduced conflict opportunities due to the one-directional vehicular traffic through the busy interchange. At each intersection within the project area, ADA compliant ramp and crossings will be implemented. This will ensure pedestrians of all abilities can cross TH 169 between Maple Grove and Brooklyn Park safely and without barriers.

Measure A: Multimodal Elements and Existing Connections

The interchange reconstruction project will improve multimodal safety and security for all transportation modes - pedestrians, bicyclists and transit users.

Pedestrians/Bicyclists: Multimodal improvements include the construction of a new 10-foot multi-use trail over TH 169 from Jefferson Highway/Kilmer Lane to Northland Drive. The proposed trail removes a Tier 2 Regional Bicycle Barrier with respect to the tiered Regional Bicycle Barrier Crossing Improvement Areas defined in the TPP and Regional Bicycle Barriers Study. In addition, the new trail closes a gap in a RBTN Tier 1 Corridor to the east and provides a safe and separate pathway for pedestrians and bicyclists along CSAH 130. Its termini on the west end connects to an existing RBTN Tier 1 Alignment that extends westerly into the developed Gravel Mining Area.

Response:
ADA ramps and crossings will be implemented along CSAH 130 at all key intersections as part of the project, greatly improving pedestrian and bicycle safety. Vehicle and pedestrian conflict opportunities will be reduced through the DDI design as pedestrians are limited to crossing vehicular traffic in only one direction as they travel through the interchange area. Lastly, new lighting fixtures along the entire bridge segment will enhance vehicle and pedestrian safety by lighting the pathway for evening and early morning use.

Transit: There is one Metro Transit route with a direct connection to the project corridor. At the east end, Route 721 serves the Hennepin Technical College with a transit stop on Northland Drive and CSAH 130. Route 721 extends southerly on Northland Drive with a connection to downtown Minneapolis. With the proposed trail, pedestrian and bicycle connections with transit will be improved for area users, including those working in
the retail areas in Maple Grove who rely on walking and transit as their mode of transportation.

In the future, the continuous multi-use trail on the south side and sidewalk on the north side of CSAH 130 to West Broadway Avenue will expand transportation options by connecting to the future METRO Blue Line extension station. Maple Grove Transit (MGT) Route 784 is a planned local fixed route that will make connections from northwest Maple Grove through the heart of the City to major trip generators in Brooklyn Park. This will improve transit access for Maple Grove and Brooklyn Park communities surrounding the proposed DDI improvement.

These improvements are critical to supporting safe and reliable connections for all users of all abilities to places of employment, education and other daily activities.

## Transit Projects Not Requiring Construction

If the applicant is completing a transit application that is operations only, check the box and do not complete the remainder of the form. These projects will receive full points for the Risk Assessment.
Park-and-Ride and other transit construction projects require completion of the Risk Assessment below.
Check Here if Your Transit Project Does Not Require Construction

## Measure A: Risk Assessment - Construction Projects

1)Layout ( 25 Percent of Points)

Layout should include proposed geometrics and existing and proposed right-of-way boundaries.
Layout approved by the applicant and all impacted jurisdictions (i.e., cities/counties that the project goes through or agencies that maintain the roadway(s)). A PDF of the layout must be attached along with letters from each jurisdiction to receive points.

100\%
Attach Layout

Please upload attachment in PDF form.
Layout completed but not approved by all jurisdictions. A PDF of the layout must be attached to receive points.

Yes

50\%

Attach Layout
1589292637748_Hwy 169 and CR 130 Interchange
Reconstruction_Layout.pdf
Please upload attachment in PDF form.

Layout has not been started

0\%

Anticipated date or date of completion
2)Review of Section 106 Historic Resources (15 Percent of Points)

No known historic properties eligible for or listed in the National Register of Historic Places are located in the project area, and Yes project is not located on an identified historic bridge

100\%

There are historical/archeological properties present but determination of no historic properties affected is anticipated.
$100 \%$
Historic/archeological property impacted; determination of no adverse effect anticipated

80\%
Historic/archeological property impacted; determination of adverse effect anticipated

40\%

Unsure if there are any historic/archaeological properties in the project area

0\%
Project is located on an identified historic bridge
3)Right-of-Way (25 Percent of Points)

Right-of-way, permanent or temporary easements either not required or all have been acquired

Yes

100\%
Right-of-way, permanent or temporary easements required, plat, legal descriptions, or official map complete

50\%
Right-of-way, permanent or temporary easements required, parcels identified

## 25\%

Right-of-way, permanent or temporary easements required, parcels not all identified

0\%

Anticipated date or date of acquisition

## 4)Railroad Involvement (15 Percent of Points)

No railroad involvement on project or railroad Right-of-Way
agreement is executed (include signature page, if applicable)
Yes

100\%
Signature Page
Please upload attachment in PDF form.
Railroad Right-of-Way Agreement required; negotiations have
begun
50\%
Railroad Right-of-Way Agreement required; negotiations have not begun.

0\%
Anticipated date or date of executed Agreement
5) Public Involvement (20 percent of points)

Projects that have been through a public process with residents and other interested public entities are more likely than others to be successful.
The project applicant must indicate that events and/or targeted outreach (e.g., surveys and other web-based input) were held to help identify the transportation problem, how the potential solution was selected instead of other options, and the public involvement completed to date on the project. List Dates of most recent meetings and outreach specific to this project:

Meeting with general public:

Meeting with partner agencies:
08/31/2017
Targeted online/mail outreach:
Number of respondents:
Meetings specific to this project with the general public and partner agencies have been used to help identify the project need.

100\%
Targeted outreach to this project with the general public and partner agencies have been used to help identify the project need.

75\%
At least one meeting specific to this project with the general public has been used to help identify the project need.

50\%
At least one meeting specific to this project with key partner agencies has been used to help identify the project need.

Yes

50\%
No meeting or outreach specific to this project was conducted, but the project was identified through meetings and/or outreach related to a larger planning effort.

25\%
No outreach has led to the selection of this project.
0\%

The City of Maple Grove has met with the City of Brooklyn Park and the Hennepin Technical College partner agencies to discuss the transportation problem and potential solutions. The City of Maple Grove held monthly PMT meetings to discuss ongoing involvement and options with Maple Grove, Brooklyn Park, Hennepin County and MnDOT in 2017. Meetings with the general public as well as targeted online and email outreach opportunities are planned as the project progresses.

## Measure A: Cost Effectiveness

Total Project Cost (entered in Project Cost Form):
Enter Amount of the Noise Walls:
Total Project Cost subtract the amount of the noise walls:
Enter amount of any outside, competitive funding:
Attach documentation of award:
Points Awarded in Previous Criteria
Cost Effectiveness
\$13,795,000.00
$\$ 0.00$
\$13,795,000.00
$\$ 0.00$

## Other Attachments

| File Name | Description | File Size |
| :---: | :---: | :---: |
| Brooklyn Park Support Ltr_Signed.pdf | Brooklyn Park Letter of Support | 48 KB |
| Hwy 169 and CR 130 Interchange Reconstruction_Level of Congestion.pdf | Highway 169 and County Road 130 Interchange Reconstruction Level of Congestion | 3.6 MB |
| Maple Grove TH169 CSAH 130 <br> Interhcange_MnDOT Support <br> Ltr_Signed.pdf | MnDOT Letter of Support | 553 KB |
| MG Resol No 20-061_TH 169-CSAH 130 Support.pdf | Maple Grove Resolution of Support <br> Highway 169 and County Road 130 | 122 KB |
| Project Summary.pdf | Interchange Reconstruction Project Summary | 345 KB |
| SIGNED - Henn Co - Letter of Support - <br> Maple Grove - TH 169-CSAH 130_2020- <br> 04-30.pdf | Hennepin County Letter of Support | 111 KB |
| TH169-CSAH Interchange_Existing ConditionsPhotographs.pdf | Highway 169 and County Road 130 Interchange Reconstruction Existing Conditions Photographs | 837 KB |

## Public Rights-of-Way

Public rights-of-way in the City of Maple Grove include roadways and their adjacent facilities that serve a transportation purpose. This includes sidewalks, curb ramps, signals, and trails that provide a transportation route. Public rights-of-way do not include buildings, publicly accessible technology, recreational trails and facilities, and private property. These are covered outside of Title II of ADA or other City of Maple Grove Documents.

## Self-Evaluation

## Overview

The public ROW self-evaluation examines the condition of the City's PAR/PCR and identifies potential need for PAR/PCR infrastructure improvements. This includes sidewalks, curb ramps, bicycle/pedestrian trails, traffic control signals that are located within the City ROW. Any barriers to accessibility in the PAR/PCR identified during the self-evaluation are included in this Plan.

## Summary

Beginning in 2016, the City of Maple Grove inventoried their pedestrian curb ramps within the ROW and sidewalks. The complete PAR/PCR inventory includes:

- City of Maple Grove Facilities
o 2,998 City owned curb ramps.
o Approximately 145 miles of concrete sidewalks. (2,114 Sidewalk points)
The City also owns 21 signalized intersections, 12 with APS features. The signalized intersections with APS features may be turned on by the City upon request. Please see Appendix F to submit a Grievance Form.

The City will inspect the 12 signals with APS features in the future.
A detailed evaluation on how these facilities relate to ADA standards is found in Appendix B and will be updated periodically.

## Field Guide for Data Collection

Two field guides were used to serve as a tool for the public ROW data collection process. The City developed an Inventory and Inspection Field Guide for ADA Ramps while Hennepin County's Sidewalk Field Inspection Guidelines was used as a tool for sidewalk data collection. The two guides include all the materials used to conduct the field review of public ROW for the City's future reference. The two guides are included in Appendix C.

## Policies and Practices

## Previous Practices

The City of Maple Grove has strived to provide accessible pedestrian features as part of the City's CIP and new development projects. The City will continue to improve procedures to accommodate required methods of providing accessible pedestrian features.

## Policy

The City's objective is to continue incorporating accessible pedestrian design features with development and CIP projects. The City has adopted ADA design standards and procedures as listed in Appendix C. These standards and procedures will be updated periodically in accordance with ADA best management practices.

The City will respond to all accessibility inquiries and improvement requests appropriately. These requests and inquiries will be evaluated internally, and an appropriate response will be communicated to the requestor. This may include comment and/or consideration for implementation with related CIP projects. The City will coordinate with external agencies to ensure that all new or altered pedestrian facilities within City jurisdiction are ADA compliant to the maximum extent feasible.

Maintenance of pedestrian facilities within the public ROW will continue to follow the policies set forth by the City.

Requests for accessibility improvements can be submitted to the City's ADA Coordinator. Contact information for ADA Coordinator is located in Appendix A.

Additionally, the City of Maple Grove coordinates with other jurisdictions for maintenance and improvements of facilities. These are outlined in the following section.

## Improvement Schedule

## Types of Improvements

The following are typical improvements to public ROW that can be made to correct deficiencies in accessibility:

- Intersection corner ADA improvement retrofits (a stand-alone ADA improvement project).
- Intersection corner ADA improvement as part of an adjacent capital project.
- Sidewalk/Trail ADA improvement retrofit (to include at grade crossings and sidewalk ramps).
- Sidewalk/Trail ADA improvement as part of an adjacent capital project (to include at grade crossings and sidewalk ramps).
- Traffic control signal Accessible Pedestrian Signal (APS) upgrade as part of a standalone ADA project.
- Traffic control signal APS upgrade as part of full traffic control signal installation.

Cost estimates of these improvements are included in Appendix D.

## Priority Areas

The City will work with the public during the public comment period to determine priority areas for ADA improvements. These areas will be selected due to their proximity to specific land uses such as schools, commercial areas, public buildings, and from the receipt of public comments. Factors that determine this include, but are not limited to:

- severity of non-compliance,
- barriers to access a public program or service,
- feasibility of remedies,
- safety concerns, and
- whether a location receives high public use.

Priority will also be given to locations that would most likely not be updated by other City programs. Further, priority will be given to any location where an improvement project or alteration was constructed after January 26, 1991 (marking the formalization of ADA requirements), and accessibility features were omitted. Resident requests and location are also considerations for prioritizing improvements. To best use public resources, the priority areas for planned improvements projects were identified in the completion of this plan. A preliminary list of priority areas identified during the inventory process within the City can be found in Appendix D.

## Schedule

Maple Grove has set the following schedule goals for improving the accessibility of its pedestrian facilities within the City's jurisdiction:

- Baseline of the City's total existing PAR/PCR condition: 5\% compliant.
- After 10 years, $50 \%$ of accessibility features that were constructed after January 26, 1991, would be reasonably ADA compliant.
- After 10 years, $50 \%$ of accessibility features within the priority areas identified by Maple Grove staff would be reasonably ADA compliant.
- After 20 years, $75 \%$ of accessibility features within the jurisdiction of the City would be reasonably ADA compliant.
- After 30 years, $90 \%$ of accessibility features within the jurisdiction of the City (as identified in this plan) would be reasonably ADA compliant and fall within with City's
monitoring program (100\% compliance is not feasible given Minnesota's annual freeze-thaw cycles and pavement deterioration).

The 30-year time frame to achieve 90 percent accessibility and the required commitment of funding is framed as a policy goal. The availability of funding and future development trends in the City of Maple Grove may affect how these projects are prioritized, and the timing of public ROW improvements may affect progress toward the compliance goal.

## Methodology

ADA compliance will be achieved utilizing the following two methods:

1) Scheduled improvements to utilities and ROW

This type of project would include scheduled road reconstructions and/or new development projects.
2) ADA-Specific Improvement Projects.

This type of project would include standalone ADA improvement projects such as reconstruction of a pedestrian curb ramp and/or replacement of the APS system at a signalized intersection, separate from a road construction project.

These projects will be determined by the City's CIP, or on a case by case basis determined by the ADA Coordinator and the City's grievance procedure. The City's 2018-2022 CIP is available for review at City Hall.

## Appendix A - Contact Information

## City of Maple Grove

ADA Coordinator
Name: John Hagen, Transportation Operations Engineer/ADA Coordinator
Address: 12800 Arbor Lakes Parkway, Maple Grove, MN 55369
Phone: 763-494-6364
E-mail: jhagen@maplegrovemn.gov

## Hennepin County

ADA Coordinator
Name: Caron Battle
Address: 300 South Sixth Street A040 Government Center Minneapolis, MN 55487
Phone: 612-348-7741
E-Mail: caron.battle@hennepin.us

## Minnesota Department of Transportation

ADA Contact
Name: Kristie Billiar
Phone: 651-366-3174
E-Mail: Kristie.billiar@state.mn.us

## Appendix B - Self-Evaluation Results

At the time of the public buildings, transit facilities and ROW inventories, the City was following general ADA design guidance and procedures. This included a commitment to providing access to all users but does not have a formal policy or procedure to assign priority regarding ADA accessibility issues within the City. Implementing a method to assign priority will be a part of this Plan effort.

## Public Right-of-Way

Data Collection for the PAR/PCR (City) self-evaluation was completed in 2016. The selfevaluation was performed by City staff. The detailed inventory is found in B-6.

This initial self-evaluation of PAR/PCR yielded the following results:

Figure 5. Self-Evaluation Results for Public Right-of-Way (including the City's Curb Ramp Inventory)


Chart Description: About eight percent of sidewalks/trails were ADA compliant. About three percent of curb ramps were compliant.

The City will inspect the 12 signals with APS features out of the 21 city-owned signals in the future. The signalized intersections with APS features may be turned on by the City upon request. Please see Appendix F to submit a Grievance Form.

## Appendix C - Agency ADA Design Standards and Procedures

## Design Procedures

## Intersection Corners

Curb ramps or blended transitions will attempt to be constructed or upgraded to achieve compliance within all capital improvement projects. There may be limitations which make it technically infeasible for an intersection corner to achieve full accessibility within the scope of any project. Those limitations will be noted, and those intersection corners will remain on the transition plan. As future projects or opportunities arise, those intersection corners shall continue to be incorporated into future work. Regardless of whether full compliance can be achieved, each intersection corner shall be made as compliant as possible in accordance with the judgment of the City.

## Sidewalks / Trails

Sidewalks and trails will attempt to be constructed or upgraded to achieve compliance within all capital improvement projects. There may be limitations which make it technically infeasible for segments of sidewalks or trails to achieve full accessibility within the scope of any project. Those limitations will be noted, and those segments will remain on the transition plan. As future projects or opportunities arise, those segments shall continue to be incorporated into future work. Regardless on if full compliance can be achieved or not, every sidewalk or trail shall be made as compliant as possible in accordance with the judgment of the City.

## Traffic Control Signals

Traffic control signals will attempt to be constructed or upgraded to achieve compliance within all capital improvement projects. There may be limitations which make it technically infeasible for individual traffic control signal locations to achieve full accessibility within the scope of any project. Those limitations will be noted, and those locations will remain on the transition plan. As future projects or opportunities arise, those locations shall continue to be incorporated into future work. Regardless on if full compliance can be achieved or not, each traffic signal control location shall be made as compliant as possible in accordance with the judgment of the City.

## Bus Stops

Bus stops within the City are provided by Metro Transit, a division of the Metropolitan Council. The Metropolitan Council maintains an ADA Transition Plan, which can be viewed here:
https://metrocouncil.org/Council-Meetings/Committees/Transportation-Accessibility-Advisory-Committee/2017/TAAC-Meeting-10-04-17/Met-Council-Transition-Plan.aspx.

If there is a specific bus stop of concern, a grievance may be filed with the Metropolitan Council. The City will attempt to coordinate replacement and new bus stops be constructed or upgraded to achieve compliance in the future. There may be limitations which make it technically infeasible for individual bus stop locations to achieve full accessibility within the scope of any project. Those limitations will be noted, and those locations will remain on the transition plan. As future projects or opportunities arise, those locations shall continue to be incorporated into future work. Regardless on if full compliance can be achieved or not, each bus stop location shall be made as compliant as possible in accordance with the judgment of City staff.

Other policies, practices and programs
Policies, practices and programs not identified in this document will follow the applicable ADA standards.

## Design Standards

A copy of the Public Buildings and Facilities ADA checklist, created by the Institute for Human Centered Design (member of the ADA National Network), is provided in C-1.

For public ROW facilities, the City of Maple Grove has PROWAG, as adopted by the Minnesota Department of Transportation (MnDOT), as its design standard. A copy of this document is included in C-3.

## Regional Economy

Results
WITHIN ONE MI of project:
Postsecondary Students: 5676
Totals by City:
Brooklyn Park
Population: 3056
Employment: 9453
Mfg and Dist Employment: 4196
Maple Grove
Population: 4171
Employment: 6274
Mfg and Dist Employment: 2295
Osseo
Population: 2052
Employment: 568
Mfg and Dist Employment: 9

Roadway Reconstruction/Modernization Project: Highway 169 and County Road 130 Interchange Reconstruction | M


O Project Points $\begin{array}{ll} & 0 \\ \text { Project } & \square\end{array}$
Postsecondary Education Centers $\square$ Job Concentration Centers
Manfacturing/Distribution Centers

For complete disclaimer of accuracy, please visit


## Socio-Economic Conditions

Project census tracts are above the regional average for population in poverty or population of color:
(0 to 18 Points)
Tracts within half-mile: 2671026807

PointsLines
Area of Concentrated Povertry $>50 \%$ residents of color

For complete disclaimer of accuracy, please visit
For complete disclaimer of accuracy, please visit
http://giswebsite.metc.state.mn.us/gissite/notice.aspx


|  | 4 | $\rightarrow$ | $\bigcirc$ | 4 | 4 | $\dagger$ | $p$ | $\pm$ | $\frac{1}{\dagger}$ | $\pm$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | WBR | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{7}$ | 4\% | ${ }^{*}$ | 44 | 「 | 4 | 7 | ${ }^{7}$ | $\uparrow$ | 「 |
| Traffic Volume (vph) | 27 | 396 | 70 | 317 | 99 | 6 | 92 | 169 | 5 | 43 |
| Future Volume (vph) | 27 | 396 | 70 | 317 | 99 | 6 | 92 | 169 | 5 | 43 |
| Turn Type | Prot | NA | Prot | NA | Perm | NA | Perm | Split | NA | Perm |
| Protected Phases | 5 | 2 | 1 | 6 |  | 3 |  | 4 | 4 |  |
| Permitted Phases |  |  |  |  | 6 |  | 3 |  |  | 4 |
| Detector Phase | 5 | 2 | 1 | 6 | 6 | 3 | 3 | 4 | 4 | 4 |
| Switch Phase |  |  |  |  |  |  |  |  |  |  |
| Minimum Initial (s) | 10.0 | 12.0 | 10.0 | 12.0 | 12.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 16.2 | 34.7 | 16.1 | 36.3 | 36.3 | 40.5 | 40.5 | 39.4 | 39.4 | 39.4 |
| Total Split (s) | 16.2 | 35.1 | 20.0 | 38.9 | 38.9 | 40.5 | 40.5 | 39.4 | 39.4 | 39.4 |
| Total Split (\%) | 12.0\% | 26.0\% | 14.8\% | 28.8\% | 28.8\% | 30.0\% | 30.0\% | 29.2\% | 29.2\% | 29.2\% |
| Yellow Time (s) | 3.5 | 4.0 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 | 4.5 | 4.5 | 4.5 |
| All-Red Time (s) | 2.7 | 1.7 | 2.6 | 2.0 | 2.0 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.2 | 5.7 | 6.1 | 6.0 | 6.0 | 6.5 | 6.5 | 6.4 | 6.4 | 6.4 |
| Lead/Lag | Lead | Lead | Lag | Lag | Lag | Lead | Lead | Lag | Lag | Lag |
| Lead-Lag Optimize? |  |  |  |  |  |  |  |  |  |  |
| Recall Mode | None | C-Max | None | C-Max | C-Max | None | None | None | None | None |
| Act Effct Green (s) | 10.4 | 71.6 | 13.9 | 81.2 | 81.2 | 10.0 | 10.0 | 14.8 | 14.8 | 14.8 |
| Actuated g/C Ratio | 0.08 | 0.53 | 0.10 | 0.60 | 0.60 | 0.07 | 0.07 | 0.11 | 0.11 | 0.11 |
| v/c Ratio | 0.25 | 0.26 | 0.70 | 0.18 | 0.13 | 0.05 | 0.49 | 0.56 | 0.57 | 0.16 |
| Control Delay | 63.4 | 18.2 | 88.8 | 14.0 | 2.5 | 59.2 | 8.2 | 67.9 | 68.4 | 1.0 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 63.4 | 18.2 | 88.8 | 14.5 | 2.5 | 59.2 | 8.2 | 67.9 | 68.4 | 1.0 |
| LOS | E | B | F | B | A | E | A | E | E | A |
| Approach Delay |  | 21.0 |  | 22.7 |  | 11.3 |  |  | 54.9 |  |
| Approach LOS |  | C |  | C |  | B |  |  | D |  |

## Intersection Summary

Cycle Length: 135
Actuated Cycle Length: 135
Offset: $0(0 \%)$, Referenced to phase 2:EBT and 6:WBT, Start of 1st Green
Natural Cycle: 135
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.70
Intersection Signal Delay: $26.8 \quad$ Intersection LOS: C

Intersection Capacity Utilization 46.2\% ICU Level of Service A
Analysis Period (min) 15
Splits and Phases: 601: Jefferson Hwy \& Brooklyn Blvd (Zone 25)




Cycle Length: 85
Actuated Cycle Length: 85
Offset: $0(0 \%)$, Referenced to phase 2:EBTL and $6:$ WBT, Start of 1 st Green
Natural Cycle: 85
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.81
Intersection Signal Delay: 19.2 Intersection LOS: B
Intersection Capacity Utilization 61.9\% ICU Level of Service B
Analysis Period (min) 15
Splits and Phases: 603: 169 E Ramps \& Brooklyn Blvd (Zone 25)


[^0]Page 3


|  | $\rightarrow$ | 4 | $\dagger$ | $\pm$ |
| :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBT | WBT | SBT | SBR |
| Lane Configurations | 中 ${ }^{\text {a }}$ | 44 | * | 「 |
| Traffic Volume (vph) | 432 | 306 | 25 | 180 |
| Future Volume (vph) | 432 | 306 | 25 | 180 |
| Turn Type | NA | NA | NA | Perm |
| Protected Phases | 2 | 6 | 4 |  |
| Permitted Phases |  |  |  | 4 |
| Detector Phase | 2 | 6 | 4 | 4 |
| Switch Phase |  |  |  |  |
| Minimum Initial (s) | 25.0 | 25.0 | 8.0 | 8.0 |
| Minimum Split (s) | 30.3 | 30.1 | 30.8 | 30.8 |
| Total Split (s) | 32.0 | 32.0 | 33.0 | 33.0 |
| Total Split (\%) | 49.2\% | 49.2\% | 50.8\% | 50.8\% |
| Yellow Time (s) | 4.0 | 4.0 | 4.0 | 4.0 |
| All-Red Time (s) | 1.3 | 1.1 | 1.8 | 1.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 5.3 | 5.1 | 5.8 | 5.8 |
| Lead/Lag |  |  |  |  |
| Lead-Lag Optimize? |  |  |  |  |
| Recall Mode | C-Max | C-Max | None | None |
| Act Effct Green (s) | 30.0 | 30.2 | 23.9 | 23.9 |
| Actuated g/C Ratio | 0.46 | 0.46 | 0.37 | 0.37 |
| v/c Ratio | 0.52 | 0.25 | 0.71 | 0.30 |
| Control Delay | 11.6 | 12.1 | 23.6 | 3.3 |
| Queue Delay | 0.2 | 0.0 | 0.0 | 0.0 |
| Total Delay | 11.9 | 12.1 | 23.6 | 3.3 |
| LOS | B | B | C | A |
| Approach Delay | 11.9 | 12.1 | 17.1 |  |
| Approach LOS | B | B | B |  |

## Intersection Summary

Cycle Length: 65
Actuated Cycle Length: 65
Offset: $0(0 \%)$, Referenced to phase 2:EBT and 6:WBT, Start of 1st Green
Natural Cycle: 65
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.71
Intersection Signal Delay: $13.9 \quad$ Intersection LOS: B

Intersection Capacity Utilization 51.6\% ICU Level of Service A
Analysis Period (min) 15
Splits and Phases: 602: 169 W Ramps \& Brooklyn Blvd (Zone 25)




|  |  |  |
| :--- | ---: | :--- |
|  |  |  |
|  |  |  |

## 601: Jefferson Hwy \& Brooklyn Blvd (Zone 25)

| Direction | All |
| :--- | ---: |
| Future Volume (vph) | 1232 |
| Total Delay / Veh (s/v) | 27 |
| CO Emissions $(\mathrm{kg})$ | 1.28 |
| NOx Emissions $(\mathrm{kg})$ | 0.25 |
| VOC Emissions $(\mathrm{kg})$ | 0.30 |

602: 169 W Ramps \& Brooklyn Blvd (Zone 25)

| Direction | All |
| :--- | ---: |
| Future Volume (vph) | 1532 |
| Total Delay / Veh (s/v) | 14 |
| CO Emissions $(\mathrm{kg})$ | 1.44 |
| NOx Emissions $(\mathrm{kg})$ | 0.28 |
| VOC Emissions $(\mathrm{kg})$ | 0.33 |

603: 169 E Ramps \& Brooklyn Blvd (Zone 25)

| Direction | All |
| :--- | ---: |
| Future Volume $(\mathrm{vph})$ | 1667 |
| Total Delay / Veh (s/v) | 19 |
| CO Emissions $(\mathrm{kg})$ | 1.72 |
| NOx Emissions $(\mathrm{kg})$ | 0.33 |
| VOC Emissions $(\mathrm{kg})$ | 0.40 |

3602: Brooklyn Blvd (Zone 25)

| Direction | All |
| :--- | ---: |
| Future Volume $(\mathrm{vph})$ | 1202 |
| Total Delay / Veh (s/v) | 0 |
| CO Emissions $(\mathrm{kg})$ | 0.22 |
| NOx Emissions $(\mathrm{kg})$ | 0.04 |
| VOC Emissions $(\mathrm{kg})$ | 0.05 |

4: NB 169 Off Ramp \& Elm Creek Blvd

| Direction | All |
| :--- | ---: |
| Future Volume $(\mathrm{vph})$ | 1130 |
| Total Delay / Veh (s/v) | 0 |
| CO Emissions $(\mathrm{kg})$ | 0.14 |
| NOx Emissions $(\mathrm{kg})$ | 0.03 |
| VOC Emissions $(\mathrm{kg})$ | 0.03 |

## 5: Elm Creek Blvd \& Elm Creek Blvd East Ramps

| Direction | All |
| :--- | ---: |
| Future Volume $(\mathrm{vph})$ | 935 |
| Total Delay / Veh (s/v) | 11 |
| CO Emissions $(\mathrm{kg})$ | 0.48 |
| NOx Emissions $(\mathrm{kg})$ | 0.09 |
| VOC Emissions $(\mathrm{kg})$ | 0.11 |

## 10: Elm Creek Blvd West Ramps \& Elm Creek Blvd

| Direction | All |
| :--- | ---: |
| Future Volume $(\mathrm{vph})$ | 963 |
| Total Delay / Veh $(\mathrm{s} / \mathrm{v})$ | 8 |
| CO Emissions $(\mathrm{kg})$ | 0.41 |
| NOx Emissions $(\mathrm{kg})$ | 0.08 |
| VOC Emissions $(\mathrm{kg})$ | 0.10 |

## 11: Elm Creek Blvd \& SB169 Off Ramp

| Direction | All |
| :--- | ---: |
| Future Volume (vph) | 486 |
| Total Delay / Veh (s/v) | 2 |
| CO Emissions $(\mathrm{kg})$ | 0.10 |
| NOx Emissions $(\mathrm{kg})$ | 0.02 |
| VOC Emissions $(\mathrm{kg})$ | 0.02 |

## 15: Jefferson Hwy \& Brooklyn Blvd (Zone 25)

| Direction | All |
| :--- | ---: |
| Future Volume (vph) | 1232 |
| Total Delay / Veh (s/v) | 27 |
| CO Emissions $(\mathrm{kg})$ | 1.37 |
| NOx Emissions $(\mathrm{kg})$ | 0.27 |
| VOC Emissions $(\mathrm{kg})$ | 0.32 |



Traffic Safety Benefit-Cost Calculation
Highway Safety Improvement Program (HSIP) Reactive Project

DEPARTMENT OF TRANSPORTATION

## A. Roadway Description

| Route <br> Begin RP <br> Location | Elm Creek Boulevard | District | County | Hennepin |
| :---: | :---: | :---: | :---: | :---: |
|  |  | End RP | Miles |  |
|  | Elm Creek Boulevard | US 169 |  |  |

## B. Project Description

| Proposed Work | Convert interchange to a Diverging Diamond Interchange |  |  |
| :---: | :---: | :---: | :---: |
|  | \$13,795,000 | Installation Year | 2025 |
| Project Service Life | 20 years | Traffic Growth Factor | 2.0\% |
| * exclude Right of Way from Project Cost |  |  |  |

## C. Crash Modification Factor

$\left.\begin{array}{|llll|}\hline 0.33 & \text { Fatal (K) Crashes } & \text { Reference } \begin{array}{l}\text { Crash Clearinghouse } \\ \hline 0.33\end{array} & \text { Serious Injury (A) Crashes }\end{array}\right)$
D. Crash Modification Factor (optional second CMF)

| 0.64 | Fatal (K) Crashes | Reference |  |
| :--- | :--- | :--- | :--- |
| 0.64 | Crash Clearinghouse |  |  |
| 0.64 | Morious Injury (A) Crashes |  |  |
| 0.64 | Possible Injury (B) Crashes (C) Crashes | Crash Type |  |
| 0.64 | Rear End |  |  |
| Property Damage Only Crashes |  |  |  |


F. Analysis Assumptions

Crash Severity

| K crashes | $\$ 1,360,000$ |
| :--- | ---: |
| A crashes | $\$ 680,000$ |
| B crashes | $\$ 210,000$ |
| C crashes | $\$ 110,000$ |
| PDO crashes | $\$ 12,000$ |

Link: mndot.gov/planning/program/appendix_a.html

Real Discount Rate $\quad 1.2 \%$
Traffic Growth Rate 2.0\%
Project Service Life 20 years
G. Annual Benefit

| Crash Severity | Crash Reduction | Annual Reduction | Annual Benefit |
| :--- | :---: | :---: | :---: |
| K crashes | 0.00 | 0.00 | $\$ 0$ |
| A crashes | 0.00 | 0.00 | $\$ 0$ |
| B crashes | 0.36 | 0.12 | $\$ 25,200$ |
| C crashes | 0.36 | 0.12 | $\$ 13,200$ |
| PDO crashes | 5.25 | 1.75 | $\$ 21,000$ |

\$59,400

| H. Amortized Benefit |  |  |  |
| :---: | :---: | :---: | :---: |
| Year | Crash Benefits | Present Value |  |
| 2025 | \$59,400 | \$59,400 | Total = \$1,281,595 |
| 2026 | \$60,588 | \$59,870 |  |
| 2027 | \$61,800 | \$60,343 |  |
| 2028 | \$63,036 | \$60,820 |  |
| 2029 | \$64,296 | \$61,301 |  |
| 2030 | \$65,582 | \$61,785 |  |
| 2031 | \$66,894 | \$62,274 |  |
| 2032 | \$68,232 | \$62,766 |  |
| 2033 | \$69,597 | \$63,262 |  |
| 2034 | \$70,988 | \$63,762 |  |
| 2035 | \$72,408 | \$64,266 |  |
| 2036 | \$73,856 | \$64,774 |  |
| 2037 | \$75,334 | \$65,286 |  |
| 2038 | \$76,840 | \$65,802 |  |
| 2039 | \$78,377 | \$66,323 |  |
| 2040 | \$79,945 | \$66,847 |  |
| 2041 | \$81,543 | \$67,375 |  |
| 2042 | \$83,174 | \$67,908 |  |
| 2043 | \$84,838 | \$68,445 |  |
| 2044 | \$86,535 | \$68,986 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |

Traffic Safety Benefit-Cost Calculation
Highway Safety Improvement Program (HSIP) Reactive Project

DEPARTMENT OF TRANSPORTATION

## A. Roadway Description

| Route Begin RP <br> Location | Elm Creek Boulevard | District | County | Hennepin |
| :---: | :---: | :---: | :---: | :---: |
|  |  | End RP | Miles |  |
|  | Elm Creek Boulevard | US 169 |  |  |

## B. Project Description

| Proposed Work | Convert interchange to a Diverging Diamond Interchange |  |  |
| :---: | :---: | :---: | :---: |
| Project Cost* | \$13,795,000 | Installation Year | 2025 |
| Project Service Life | 20 years | Traffic Growth Factor | 2.0\% |
| * exclude Right of Way from Project Cost |  |  |  |

## C. Crash Modification Factor

| 1.27 | Fatal (K) Crashes | Reference Crash Clearinghouse |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 1.27 | Serious Injury (A) Crashes | Crash Type | Sideswipe |  |
| 1.27 | Moderate Injury (B) Crashes |  |  |  |
| 1.27 | Possible Injury (C) Crashes |  |  |  |
| 1.27 | Property Damage Only Crashes |  |  | www.CMFclearinghouse.org |

D. Crash Modification Factor (optional second CMF)

| 0.59 | Fatal (K) Crashes | Reference Crash Clearinghouse |  |
| :--- | :--- | :--- | :--- |
| 0.59 | Serious Injury (A) Crashes |  |  |
| 0.59 | Moderate Injury (B) Crashes | Crash Type All |  |
| 0.67 | Possible Injury (C) Crashes |  |  |
| 0.67 | Property Damage Only Crashes |  | www.CMFclearinghouse.org |


| E. Crash Data |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Begin Date <br> Data Source | 1/1/2016 |  | 12/31/2018 | 3 years |
|  | MnDOT |  |  |  |
|  | Crash Severity | Sideswipe | All |  |
|  | K crashes |  |  |  |
|  | A crashes |  |  |  |
|  | B crashes |  | 1 |  |
|  | C crashes |  | 1 |  |
|  | PDO crashes | 2 | 1 |  |
| F. Benefit-Cost Calculation |  |  |  |  |
| \$862,164 |  | Benefit (present value) | $B / C$ Ratio $=0.07$ |  |
| \$13,795,000 |  | Cost |  |  |
| Proposed project expected to reduce 1 crashes annually, o of which involving fatality or serious injury. |  |  |  |  |

F. Analysis Assumptions

| Crash Severity | Crash Cost |  |  |
| :--- | ---: | :--- | :--- | :--- |
| K crashes | $\$ 1,360,000$ | Link: | mndot.gov/planning/program/appendix_a.html |
| A crashes | $\$ 680,000$ |  |  |
| B crashes | $\$ 210,000$ | Real Discount Rate | $1.2 \%$ |
| C crashes | $\$ 110,000$ | Traffic Growth Rate | $2.0 \%$ |
| PDO crashes | $\$ 12,000$ | Project Service Life | 20 years |

G. Annual Benefit

| Crash Severity | Crash Reduction | Annual Reduction | Annual Benefit |
| :---: | :---: | :---: | :---: |
| K crashes | 0.00 | 0.00 | $\$ 0$ |
| A crashes | 0.00 | 0.00 | $\$ 0$ |
| B crashes | 0.41 | 0.14 | $\$ 28,700$ |
| C crashes | 0.33 | 0.11 | $\$ 12,100$ |
| PDO crashes | -0.21 | -0.07 | $-\$ 840$ |


| H. Amortized Benefit |  |  |  |
| :---: | :---: | :---: | :---: |
| Year | Crash Benefits | Present Value |  |
| 2025 | \$39,960 | \$39,960 | Total $=\$ 862,164$ |
| 2026 | \$40,759 | \$40,276 |  |
| 2027 | \$41,574 | \$40,594 |  |
| 2028 | \$42,406 | \$40,915 |  |
| 2029 | \$43,254 | \$41,239 |  |
| 2030 | \$44,119 | \$41,565 |  |
| 2031 | \$45,001 | \$41,893 |  |
| 2032 | \$45,901 | \$42,224 |  |
| 2033 | \$46,820 | \$42,558 |  |
| 2034 | \$47,756 | \$42,895 |  |
| 2035 | \$48,711 | \$43,234 |  |
| 2036 | \$49,685 | \$43,575 |  |
| 2037 | \$50,679 | \$43,920 |  |
| 2038 | \$51,693 | \$44,267 |  |
| 2039 | \$52,726 | \$44,617 |  |
| 2040 | \$53,781 | \$44,970 |  |
| 2041 | \$54,857 | \$45,325 |  |
| 2042 | \$55,954 | \$45,684 |  |
| 2043 | \$57,073 | \$46,045 |  |
| 2044 | \$58,214 | \$46,409 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |
| 0 | \$0 | \$0 |  |

* Countermeasure: Convert diamond interchange to Diverging Diamond Interchange (DDI) or Double Crossover Diamond (DCD)


| West Ramps |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| objectid | Incident ID Date and T Year |  | Hour | Crash Seve |  | of Officer Nar Co | County | City Township |
| 1790843 | 456222 6/1/2017, | 2017 |  | 7 Property D | 0 | 2 On June M | HENNEPIN | Maple Grove |
| 1830248 | 472204 6/24/2017, | 2017 |  | 10 Property D | 0 | 2 VEHICLE M | HENNEPIN | Maple Grove |
| 1946687 | 395169 11/17/201। | 2016 |  | 9 Property D | 0 | 2 Vehicle \#1 M | HENNEPIN | Maple Grove |
| 2109545 | 357937 6/13/2016, | 2016 |  | 6 Property D | 0 | 2 UPON M | Hennepin | Maple Grove |
| 2112168 | 411472 1/2/2017, 1 | 2017 |  | 18 Property D | 0 | 3 Unit \#1 sto M | HENNEPIN | Maple Grove |
| 2526367 | 455085 5/26/2017, | 2017 |  | 16 Property D | 0 | 2 On Friday M | HENNEPIN | Maple Grove |
| 2576981 | 418164 1/25/2017, | 2017 |  | 7 Property D | 0 | 1 vehicle on $\in$ M | HENNEPIN | Maple Grove |
| East Ramps |  |  |  |  |  |  |  |  |
| 1809088 | 649137 10/2/2018, | 2018 |  | 12 Property D | 0 | 2 EXIT M | Hennepin | Brooklyn Park |
| 2095007 | 324506 1/29/2016, | 2016 |  | 19 Minor Injur | 0 | 2 UNIT \#1 M | HENNEPIN | Brooklyn Park |
| 2139147 | 609370 7/7/2018, 1 | 2018 |  | 18 Possible Inj | 0 | 2 D1 was exil M | HENNEPIN | Brooklyn Park |
| 2527696 | 522979 12/7/2017, | 2017 |  | 15 Property D | 0 | 1 unit 1 trave M | HENNEPIN | Brooklyn Park |
| In between Interchange Intersections |  |  |  |  |  |  |  |  |
| 1855527 | 374445 8/26/2016, | 2016 |  | 14 Possible Inj | 0 | 4 Units one M | HENNEPIN | Maple Grove |
| 1960302 | 527554 12/22/201 | 2017 |  | 16 Property D | 0 | 2 Traffic on M | HENNEPIN | Brooklyn Park |
| 1960930 | 668881 12/7/2018, | 2018 |  | 18 Minor Injur | 0 | 2 Unit 1 was M | HENNEPIN | Maple Grove |
| 1972420 | 374832 8/16/2016, | 2016 |  | 7 Property D | 0 | 2 THE M | Hennepin | Maple Grove |
| 2074029 | 359279 6/25/2016, | 2016 |  | 15 Property D | 0 | 3 Vehicle \#1 M | HENNEPIN | Maple Grove |
| 2188693 | 379953 9/14/2016, | 2016 |  | 8 Property D | 0 | 2 BOTH VEHI M | Hennepin | Maple Grove |
| 2424078 | 489413 7/25/2017, | 2017 |  | 13 Property D | 0 | 3 Unit 3 was M | Hennepin | Maple Grove |
| 2526560 | 457766 6/7/2017, | 2017 |  | 7 Property D | 0 | 2 BOTH M | Hennepin | Maple Grove |

Route Typє Route ID Route Mea Roadway N Divided Ro: Intersectio Manner of First Harmf Relative Tri Lighting Co Road Circu road_circui Road Circul

| County Sta 040000659 | 4.149789 77TH AVE | West | Angle | Motor Veh On Roadwc Daylight | None |
| :---: | :---: | :---: | :---: | :---: | :---: |
| County Sta 040000659 | 4.147953 77TH AVE | West | Angle | Motor Veh On Roadwc Daylight | None |
| Ramp or C( 220000659 | 0.011287 RAMP366 | North | Angle | Motor Veh On Roadwa Daylight | None |
| Ramp or C( 220000659 | 0.020339 RAMP366 | South | Front to | Re Motor Veh On Roadwa Sunrise | None |
| Ramp or C( 220000659 | 0.00416 RAMP366 | South | Front | Motor Veh On Roadwa Dark (Streє | None |
| County Sta 040000659 | 4.157544 77TH AVE | East | Front t | Motor Veh On Roadwa Daylight | None |
| Ramp or C( 220000659 | 0.009769 RAMP366 | South |  | Light Pole/ On Roadwe Daylight | Road Surface Condition (wet, icy, |
| Ramp or C( 220000659 | 0.19121 RAMP380 | Not Applicable | Sidesw | Motor Veh On Roadwc Daylight | None |
| Ramp or C( 220000659 | 0.00389 RAMP327 | East | Front t | Frı Motor Veh On Roadwè Dark (Stree | Road Surface Condition (wet, icy, |
| County Sta 040000659 | 4.309004 BROOKLYN | East RAMP380 | Other | Motor Veh On Roadwa Daylight | None |
| Ramp or Cc 220000659 | 0.021077 RAMP327 |  | Front to | Re Motor Veh On Should Daylight | Road Surface Condition (wet, icy, |

County Sta 040000659 4.247714 77TH AVE Not Applicable
County Sta 040000659 4.26953 77TH AVE East
County Sta 0400006594.239528 77TH AVE West
U.S. Trunk 020000000136.0511 USTH 169 South

County Sta 0400006594.259799 77TH AVE East
County Sta 0400006594.239824 77TH AVE South
County Sta 0400006594.248871 77TH AVE Not Applicable
U.S. Trunk 020000000136.0385 USTH 169 South
road_circuı Relative Int Traffic Con Weather PıWeather StSurface Coı Work Zone Work Zone Work Zone Workers Pr Unit1 Type Unit1 Vehic Unit1 Direc

|  | Four-Way I Traffic Con Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger ' Westbounc |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Four-Way I Traffic Con Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger ' Westbounc |
|  | Four-Way I Traffic Con Cloudy | Dry | 2 | NOT APPLICABLE | Motor Veh Sport Utilit Southboun |
|  | Entrance/E Traffic Con Rain | Wet | 2 | NOT APPLICABLE | Motor Veh Pickup Southboun |
|  | Entrance/E Traffic Con Sleet, H | (Freezing Rā Ice/Frost | 2 | NOT APPLICABLE | Motor Veh Passenger ' Southboun |
|  | Four-Way I Traffic Con Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger 'Eastbound |
| snow, slush | T Intersecti Traffic Con Snow | Wet | 2 | NOT APPLICABLE | Motor Veh Passenger ' Southboun |
|  | Entrance/E No Control Cloudy | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger ' Northboun |
| snow, slush | Four-Way I Traffic Con Rain | Sleet, Hail (Wet | 2 | NOT APPLICABLE | Motor Veh Passenger 'Eastbound |
|  | Interchang Traffic Con Clear | Dry | 1 | Lane Closu No | Motor Veh Passenger ' Northboun |
| snow, slush | Interchang No Control Clear | Ice/Frost | 2 | NOT APPLICABLE | Motor Veh Pickup Northboun |
|  | Four-Way I Traffic Con Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Sport Utilit Eastbound |
|  | Not at Inte Not Appliciclear | Dry | 2 | NOT APPLICABLE | Motor Veh Pickup Eastbound |
|  | Intersectio Traffic Con Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger 'Westbounc |
|  | Not at Inte No Control Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger I Southboun |
|  | Four-Way ITraffic Con Severe | Blowing Sa Dry | 2 | NOT APPLICABLE | Motor Veh Sport Utilit Eastbound |
|  | Not at Inte No Control Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Pickup Southboun |
|  | Not at Inte Traffic Con Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger 'Eastbound |
|  | Not at Inte No Control Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Sport Utilit Southboun |

Unit1 Factc Unit1 Factc Unit1 Most Unit1 Vehir Unit1 Traff Unit1 Postє Unit1 Horiz Unit1 Road Unit1 Nonr Unit1 Injur Unit1 Phys Unit1 Age Unit1 Sex

| No Clear Contributing Motor Veh Moving Foı Two-Way, I | 45 Straight | Level | No Appare Apparently | 65 Female |
| :---: | :---: | :---: | :---: | :---: |
| Ran Red Light Motor Veh Moving For Two-Way, I | 45 Straight | Level | No Appare Apparently | 68 Female |
| Driver Speeding Motor Veh Moving For Other | 45 Straight | Level | No Appare Apparently | 39 Female |
| No Clear Contributing Motor Veh Swerved or Two-Way, I | 55 Straight | Hillcrest | No Appare Apparently | 41 Female |
| No Clear Contributing Motor Veh Vehicle Sto One Way T | 25 Straight | Level | No Appare Apparently | 46 Female |
| No Clear Contributing Motor Veh Swerved or Two-Way, I | 40 Straight | Level | No Appare Apparently | 76 Female |
| Other Contributing Act Traffic Sign Moving Foı One Way T | 55 Straight | Level | No Appare Apparently | 33 Male |

Failure to Yield Right-c Motor Veh Moving Foı One Way T Failure to Yield Right-c Motor Veh Turning Let Two-Way, No Clear Contributing Motor Veh Turning Let Two-Way, Driver Distracted Motor Veh Moving For One Way T

| 30 Straight | Uphill |
| :--- | :--- |
| 40 Straight | Level |
| 40 Straight | Level |
| 55 Straight | Downhill |


| No Appare Apparently | 38 Male |
| :--- | :--- |
| Possible Inj Apparently | 23 Female |
| Possible Inj Apparently | 27 Female |
| No Appare Apparently | 53 Male |


| No Clear Contributing Motor Veh Vehicle Sto Two-Way, | 45 Straight | Level | No Appare Apparently | 33 Female |
| :---: | :---: | :---: | :---: | :---: |
| No Clear Contributing Motor Veh Vehicle Sto Two-Way, | 30 Straight | Level | No Appare Apparently | 28 Male |
| No Clear Contributing Motor Veh Vehicle Sto Two-Way, | ded Straight | Downhill | Suspected Apparently | 38 Female |
| No Clear Contributing Motor Veh Vehicle Sto Two-Way, \| | 55 Straight | Level | No Appare Apparently | 41 Female |
| No Clear Contributing Motor Veh Moving For Two-Way, | 40 Straight | Level | No Appare Apparently | 38 Male |
| No Clear Contributing Motor Veh Slowing Two-Way, | 55 Straight | Level | No Appare Apparently | 29 Male |
| No Clear Contributing Motor Veh Vehicle Sto Two-Way, | 45 Straight | Level | No Appare Apparently | 40 Female |
| No Clear Contributing Motor Veh Vehicle Sto Two-Way, | 55 Straight | Level | No Appare Apparently | 61 Female |

Unit2 Type Unit2 Vehir Unit2 Direc Unit2 Factc Unit2 Factc Unit2 Most Unit2 Vehir Unit2 Nonr Unit2 Injur Unit2 Phys Unit2 Age Unit2 Sex Unit3 Type Motor Veh Pickup Westbounc Ran Red Light Motor Veh Moving Forward No Appare Apparently 42 Male Motor Veh Passenger 'Westbounc No Clear Contributing Motor Veh Moving Forward Motor Veh Medium / ISouthboun No Clear Contributing Motor Veh Moving Forward No Appare Apparently 76 Male Motor Veh Sport Utilit Southboun Following Too Closely Motor Veh Moving Forward No Appare Apparently 47 Male No Appare Apparently Motor Veh Passenger ISouthboun No Clear Contributing Motor Veh Vehicle Stopped or Sta No Appare Apparently Motor Veh Medium / IEastbound No Clear Contributing Motor Veh Moving Forward

No Appare Apparently

42 Male
56 Female Motor Veh 52 Male

Motor Veh Passenger Northboun Improper Turn/Merge Motor Veh Moving Forward Motor Veh Passenger ' Westbounc No Clear Contributing Motor Veh Moving Forward Motor Veh Passenger IEastbound Ran Red Light Motor Veh Moving Forward Parked/Sta Pickup Northbound Motor Veh Vehicle Stopped or Stalled in Roadway

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No Appare Apparently No Appare Apparently No Appare Apparently No Appare Apparently No Appare Apparently No Appare Apparently No Appare Apparently

21 Male
Motor Veh 39 Male 22 Male 41 Female 33 Female Motor Veh 28 Male 26 Female 24 Male
(

31 Female
36 Male
38 Male . No Appare Apparently No Appare Apparently -

Unit3 Vehic Unit3 Direc Unit3 Factc Unit3 Factc Unit3 Most Unit3 Vehir Unit3 Nonr Unit3 Injur Unit3 Phys Unit3 Age Unit3 Sex Unit4 Type Unit4 Vehis

Passenger I Southboun Other Contributing Aci Motor Veh Slowing

No Appare Unknown

## Possible Inj Apparently

No Appare Apparently
27 Female

31 Male

Unit4 Direc Unit4 Factc Unit4 Factc Unit4 Most Unit4 Vehir Unit4 Nonr Unit4 Injur Unit4 Phys Unit4 Age Unit4 Sex interchang otst_inters city_sectio
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Consuting Group, Inc. TH 169 \& Elm Creek Blvd Interchange Reconstruction
Figure 2

May 14, 2020

Ken Ashfeld, P.E.
Director of Public Works/City Engineer
City of Maple Grove
12800 Arbor Lakes Parkway
Maple Grove, Minnesota 55369
Re: Letter of Support for Maple Grove's Regional Solicitation Application and Project TH 169 / Elm Creek Boulevard (CSAH 130) Interchange Reconstruction

Dear Mr. Ashfeld,
The City of Brooklyn Park supports Maple Grove's federal funding application through the 2020 Regional Solicitation for the proposed TH 169 / Elm Creek Boulevard (CSAH 130) Interchange Reconstruction project, which would include the following improvements:

- Redesign of the existing roadway configuration to improve mobility through the interchange
- Replace/upgrade existing temporary span-wire signals to permanent traffic signal systems
- Introduction of off-road facilities to accommodate people biking and walking through the area

The city supports Maple Grove in its efforts to improve this interchange by providing additional capacity and safety for multiple traffic modes. Improvements at this interchange will enhance the safety and mobility of people biking, driving, and walking along CSAH 130 corridor (Elm Creek Boulevard / Brooklyn Boulevard).

Thank you for making us aware of this application effort and the opportunity to provide support. The city looks forward to working with the City of Maple Grove, MnDOT, and Hennepin County on this project.


Jesse Struve, P.E.
City Engineer


MnDOT Metro District<br>1500 West County Road B-2<br>Roseville, MN 55113

May 12, 2020
Ken Ashfield, P.E.
Director of Public Works, City Engineer
City of Maple Grove
12800 Arbor Lakes parkway
Maple Grove, MN 55369

## Re: MnDOT Letter for the City of Maple Grove

Metropolitan Council/Transportation Advisory Board 2020 Regional Solicitation Funding Request for TH 169/CSAH 130 (Elm Creek Blvd) Interchange Project

Dear Ken Ashfield,
This letter documents MnDOT Metro District's recognition for Hennepin County to pursue funding for the Metropolitan Council/Transportation Advisory Board's (TAB) 2020 Regional Solicitation for TH 169/CSAH 130 Interchange Project

As proposed, this project impacts MnDOT right-of-way on US 169. As the agency with jurisdiction over US 169, MnDOT will allow Maple Grove to seek improvements proposed in the application for the CSAH 130 Interchange project. If funded, details of any future maintenance agreement with Maple Grove will need to be determined during project development to define how the improvements will be maintained for the project's useful life.

There is no funding from MnDOT currently planned or programmed for this project/location. Due to expected loss of future state and federal transportation revenues as a result of the COVID-19 pandemic, there is likely to be significant disruptions to the current MnDOT construction program that will surface in the next year. MnDOT does not anticipate partnering on local projects beyond current agreements.

In addition, the Metro District currently does not anticipate any significant discretionary funding in state fiscal years 2024 or 2025 that could fund project construction, nor do we have the resources to assist with MnDOT services such as the design or construction engineering of the project. If your project receives funding, continue to work with MnDOT Area staff to coordinate project development and to periodically review needs and opportunities for cooperation.

MnDOT Metro District looks forward to continued cooperation with Maple Grove as this project moves forward and as we work together to improve safety and travel options within the Metro Area.

If you have questions or require additional information at this time, please reach out to West Area Manager April Crockett at April.Crockett@state.mn.us or 651-234-7728.

Sincerely,
Michael Diplatly signe by
Barnes Date: 2020.0.5.12
Michael Barnes, PE
Metro District Engineer

CC: April Crockett, Metro District Area Manager<br>Molly McCartney, Metro Program Director<br>Dan Erickson, Metro State Aid Engineer

## CERTIFICATION:

## STATE OF MINNESOTA COUNTY OF HENNEPIN CITY OF MAPLE GROVE

I, the undersigned, City Clerk of Maple Grove, Minnesota, hereby certify that the copy of the resolution attached: RESOLUTION NO. 20-061, A RESOLUTION OF SUPPORT FOR THE TH 169/ELM CREEK BOULEVARD (CSAH 130) PROJECT is a true and correct copy of the original resolution adopted by the City Council of the City of Maple Grove on the $4^{\text {th }}$ day of May, 2020, on file at City Hall.

WITNESS my hand this $4^{\text {th }}$ day of May, 2020.


Amy Dietl, City Clerk

## RESOLUTION OF SUPPORT FOR THE TH 169/ELM CREEK BOULEVARD (CSAH 130) PROJECT

WHEREAS, the TH 169/Elm Creek Boulevard (CSAH 130) interchange provides an important connection to existing and future freight operations within the City of Maple Grove and the northwest Twin Cities Metropolitan Area; and

WHEREAS, the improvement of the TH 169/Elm Creek Boulevard (CSAH 130) interchange will improve traffic operations and safety, and is vital to the success of current and future freight operations within the City of Maple Grove and along adjacent TH 169, which is the most heavily used non-interstate highway freight corridor in Hennepin County; and

WHEREAS, MnDOT, the Cities of Maple Grove, Brooklyn Park, Hennepin County and the Minnesota Department of Transportation are collaborating on the development and design of the TH 169/Elm Creek Boulevard (CSAH 130) interchange improvements; and

WHEREAS, the TH 169/Elm Creek Boulevard (CSAH 130) project is consistent with local and regional plans; and

WHEREAS, the TH 169 is part of the National Highway System (NHS); and
WHEREAS, the Metropolitan Council is currently accepting grant applications for federal transportation funding of locally-initiated projects that meet regional transportation needs through the 2020 Regional Solicitation; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Maple Grove, Minnesota:

1. The City of Maple Grove does hereby declare their unified support for the TH 169/Elm Creek Boulevard (CSAH 130) interchange modification project.
2. The City of Maple Grove further supports the application for the 2020 Regional Solicitation funds and along with local partners (City of Brooklyn Park, Hennepin County and the Minnesota Department of Transportation) are committed to the required local match identified in the application.

Adopted by the City Council on this 4th day of May, 2020.
The motion for the adoption of the foregoing resolution was made by Councilmember Jaeger, seconded by Councilmember Hanson and upon vote being duly taken thereon, the following voted in favor thereof Mayor Steffenson and Councilmembers Jaeger, Leith, Hanson and Barnett
and the following voted against the same: None
and the following were absent: None
whereupon said resolution was declared duly passed and adopted.

STATE OF MINNESOTA )
COUNTY OF HENNEPIN ) SS. CITY OF MAPLE GROVE)

I, the undersigned, being the duly qualified and acting Clerk of the City of Maple Grove, Hennepin County, Minnesota, a Minnesota municipal corporation, hereby certify that the above and foregoing Resolution No. 20-061 is a true and correct copy of the Resolution as adopted by the City Council on the 4th day of May, 2020.
 Highway 169 and County Road 130 Interchange Reconstruction - Project Summary

Project Name: Highway 169 and County Road 130 Interchange Reconstruction

Applicant: City of Maple Grove
Contact: John Hagen, PE, PTOE, Transportation Operations Engineer
Email/Phone: jhagen@maplegrovemn.gov (763) 494-6364

## Project Details:

- Total Project Cost $=\$ 13,795,000$
- Requested Award Amount $=\$ 7,000,000$
- Construction Dates: Begin by June 2025
- Consistent with local \& regional plans
- Preliminary plans completed
- No Right of way acquisition required

Project Description:


The proposed interchange improvements include the reconstruction and widening of the bridge over TH 169 to provide a diverging diamond interchange (DDI) with geometrically realigned ramps. There will be four westbound lanes and three eastbound lanes with the multi-use trail on the CSAH 130 bridge. Existing traffic signals will also be replaced at the TH 169 east and west ramp intersections. The DDI configuration will improve the overall capacity and safety of the interchange.

The interchange project will also include accommodations for bicyclists and pedestrians to provide a safe connection over TH 169 between Maple Grove and Brooklyn Park. A 10-foot multiuse trail will be added on the south side between Northland Drive and Jefferson Highway/Kilmer Lane. The proposed trail will connect the existing trails along CSAH 130 in Maple Grove to Brooklyn Park while closing a RBTN gap. Painted crosswalks and pedestrian signing will provide better visibility to motorists, creating a safe crossing for trail users. Pedestrian signals will be upgraded to countdown timers, and pushbuttons and ramps will meet ADA standards.

## Project Benefits:

- Provide a more efficient interchange to accommodate existing and future traffic volumes
- Provide a reliable alternate route to the l-94 freeway facility during congested periods
- Provide a safer multimodal transportation system for all modes
- Enhance pedestrian and bicycle travel by linking the Maple Grove and Brooklyn Park trail systems
- Improve access to employment opportunities in Maple Grove and Brooklyn Park
- Improve access to accommodate freight traffic to and from the Gravel Mining Area


# HENNEPIN COUNTY <br> MINNESOTA 

April 30, 2020
Elaine Koutsoukos - TAB Coordinator
Metropolitan Council
390 North Robert Street
St. Paul, MN 55101
Re: Support for 2020 Regional Solicitation Application
CSAH 130 (Elm Creek Boulevard) Reconstruction Project at TH 169
Dear Ms. Koutsoukos,
Hennepin County has been notified that the City of Maple Grove is submitting an application for funding as part of the 2020 Regional Solicitation through the Metropolitan Council. The proposed project is the reconstruction of the existing interchange along CSAH 130 (Elm Creek Boulevard) at TH 169 which is anticipated to include the following improvements:

- Redesign of the existing roadway configuration to improve mobility through the area
- Upgrading of the existing span-wire traffic signals to permanent traffic signal systems
- Introduction of off-road facilities to accommodate people biking and walking through the area

Hennepin County supports this funding application and agrees to operate and maintain the roadway facilities along CSAH 130 (Elm Creek Boulevard) for the useful life of improvements. At this time, Hennepin County has no funding programmed in its 2020-2024 Transportation Capital Improvement Program (CIP) for this project. Therefore, county staff is currently unable to commit county cost participation in this project. Additionally, we kindly request that the City of Maple Grove includes county staff in the project development process to ensure project success. We look forward to working together to improve the safety and mobility of people biking, driving, and walking along CSAH 130 (Elm Creek Boulevard).

Sincerely,

## coune stuelve

Carla Stueve, P.E., P.T.O.E.
Transportation Project Delivery Director and County Engineer
cc: Chad Ellos, P.E., P.T.O.E. - Transportation Planning Division Manager

Hennepin County Transportation Project Delivery
7009 York Avenue South, MN 55435 (Temporary)
612-596-0241 | hennepin.us




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