Application

13860-2020 Roadway Expansion
14333 - Sand Creek Township U.S. 169 Overpass Improvement Project
Regional Solicitation - Roadways Including Multimodal Elements
Status: Submitted
Submitted Date:
05/15/2020 3:47 PM

## Primary Contact



## Organization Information

## Name:

Jurisdictional Agency (if different):
Organization Type: County Government

Organization Website:

Address:
600 COUNTRY TRAIL E

| * | JORDAN | Minnesota |
| :--- | :--- | :--- |
| County: | City | Scott |
| Postal Code/Zrovince |  |  |

## Project Information

| Project Name | Sand Creek Township Overpass Improvement Project |
| :---: | :---: |
| Primary County where the Project is Located | Scott |
| Cities or Townships where the Project is Located: | Sand Creek Township |
| Jurisdictional Agency (If Different than the Applicant): | Sand Creek Township |
|  | The project will construct overpass located at the intersection of Trunk Highway 169 and 1,800 ft south of 166th Street in Sand Creek Township, Minnesota. The overpass will include will be built |
| Brief Project Description (Include location, road name/functional class, type of improvement, etc.) | over Trunk Highway 169, which is a principal arterial and connect to the existing roadway network at Jordan Avenue to the west and |
|  | Berkshire Lane to the east. The overpass will be built with bike and pedestrian accommodations. A median closure at Bluff Drive and TH 169 is also included as part of the project. |

(Limit 2,800 characters; approximately 400 words)
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)
Sand Creek Township TH 169 Overpass and Improvements

## Project Funding

| Are you applying for competitive funds from another source(s) to implement this project? | No |
| :---: | :---: |
| If yes, please identify the source(s) |  |
| Federal Amount | \$2,087,036.00 |
| Match Amount | \$521,759.00 |
| Minimum of 20\% of project total |  |
| Project Total | \$2,608,795.00 |
| For transit projects, the total cost for the application is total cost minus fare revenues. |  |
| Match Percentage | 20.0\% |
| Minimum of 20\% |  |
| Compute the match percentage by dividing the match amount by the project total |  |
| Source of Match Funds | Local |
| A minimum of $20 \%$ of the total project cost must come from non-federal sources; additional match funds over the $20 \%$ minn sources |  |
| Preferred Program Year |  |
| Select one: | 2024 |
| 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 | Sand Creek Township |
| Functional Class of Road | Principal Arterial |
| Road System | TH 169 |
| TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET |  |
| Road/Route No. | 169 |
| i.e., 53 for CSAH 53 |  |
| Name of Road | Trunk Highway 169 |
| Example; 1st ST., MAIN AVE |  |
| Zip Code where Majority of Work is Being Performed | 55352 |
| (Approximate) Begin Construction Date | 03/18/2024 |
| (Approximate) End Construction Date | 11/03/2025 |
| TERMINI:(Termini listed must be within 0.3 miles of any work) |  |
| From: <br> (Intersection or Address) | Jordan Avenue |
| To: <br> (Intersection or Address) | Bluff Drive |

Miles of Sidewalk (nearest 0.1 miles) 0
Miles of Trail (nearest 0.1 miles) 0
Miles of Trail on the Regional Bicycle Transportation Network
(nearest 0.1 miles)

Primary Types of Work
Bridge, median closure, sidewalk/trail, bituminous trail, excavation

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.:
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: Safety and Security, Objective A; (p.60-61);
Strategy B3, (p. 2.21), Strategy B6, (p.2.23)
Goal: Competitive Economy, Objective C; p.64-65;
Strategy D3 (p.2.39)
Goal: Access to Destinations, Objective A, Objective B; p.62-63; Strategy C1 (p.2.24), C7 (p.2.30), Strategy C16 (p.2.36)

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.

List the applicable documents and pages:

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 Yes right of way/transportation.

Date plan completed:
10/16/2018

Link to plan:
https://www.scottcountymn.gov/DocumentCenter/Vi ew/12076/Scott-County-ADA-Transit-Plan

The applicant is a public agency that employs fewer than 50
people and has a completed ADA self-evaluation that covers the
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 ESTIMATES <br> Cost

Mobilization (approx. 5\% of total cost) \$120,000.00

Removals (approx. 5\% of total cost) $\$ 100,000.00$

Roadway (grading, borrow, etc.)
Roadway (aggregates and paving) \$201,015.00
Subgrade Correction (muck) \$0.00
Storm Sewer \$0.00
Ponds \$0.00
Concrete Items (curb \& gutter, sidewalks, median barriers) \$0.00
Traffic Control
$\$ 40,000.00$
Striping
$\$ 0.00$
Signing \$0.00
Lighting \$0.00
Turf - Erosion \& Landscaping \$0.00
Bridge
\$2,112,000.00
Retaining Walls \$0.00
Noise Wall (not calculated in cost effectiveness measure) \$0.00
Traffic Signals
Wetland Mitigation \$0.00
Other Natural and Cultural Resource Protection ..... $\$ 0.00$
RR Crossing ..... $\$ 0.00$
Roadway Contingencies ..... $\$ 0.00$
Other Roadway Elements ..... $\$ 0.00$
Totals
Specific Bicycle and Pedestrian Elements
CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES ..... Cost
Path/Trail Construction ..... $\$ 0.00$
Sidewalk Construction ..... $\$ 0.00$
On-Street Bicycle Facility Construction ..... $\$ 0.00$
Right-of-Way ..... $\$ 0.00$
Pedestrian Curb Ramps (ADA) ..... $\$ 0.00$
Crossing Aids (e.g., Audible Pedestrian Signals, HAWK) ..... \$0.00
Pedestrian-scale Lighting ..... $\$ 0.00$
Streetscaping ..... $\$ 0.00$
Wayfinding ..... $\$ 0.00$
Bicycle and Pedestrian Contingencies ..... $\$ 0.00$
Other Bicycle and Pedestrian Elements ..... $\$ 0.00$
Totals ..... $\$ 0.00$
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 | $\$ 2,608,795.00$ |
| :--- | :--- |
| Construction Cost Total | $\$ 2,608,795.00$ |
| Transit Operating Cost Total | $\$ 0.00$ |

## Congestion within Project Area:

The measure will analyze the level of congestion within the project area. Council staff will provide travel speed data on the "Level of Congestion" map. The analysis will compare the peak hour travel speed within the project area to fee-flow conditions.

Free-Flow Travel Speed: 65
Peak Hour Travel Speed: 62
Percentage Decrease in Travel Speed in Peak Hour compared to Free-Flow:
4.62\%

Upload Level of Congestion map: 1589522039628_Level of Congestion.pdf

## Congestion on adjacent Parallel Routes:

Adjacent Parallel Corridor
Adjacent Parallel Corridor Start and End Points:

## Start Point

End Point:

Free-Flow Travel Speed:
The Free-Flow Travel Speed is black number
Peak Hour Travel Speed:
The Peak Hour Travel Speed is red number.
Percentage Decrease in Travel Speed in Peak Hour Compared to
Free-Flow:

Upload Level of Congestion Map:

CH 14

US 169
Louisville Road

52

41
21.15\%

1589562146179_CR 14 map.pdf

## Principal Arterial Intersection Conversion Study:

Proposed interchange or at-grade project that reduces delay at a High Priority Intersection:
(80 Points)
Proposed at-grade project that reduces delay at a Medium Priority Intersection:
(60 Points)
Proposed at-grade project that reduces delay at a Low Priority Intersection:
(50 Points)
Proposed interchange project that reduces delay at a Medium Priority Intersection:
(40 Points)
Proposed interchange project that reduces delay at a Low Priority Intersection:
(0 Points)
Not listed as a priority in the study:
(0 Points)

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

Existing Employment within 1 Mile:
579
Existing Manufacturing/Distribution-Related Employment within 1 Mile:210

Existing Post-Secondary Students within 1 Mile: 0
Upload Map 1589522146089_Regional Economy.pdf
Please upload attachment in PDF form.

## Measure C: Current Heavy Commercial Traffic

RESPONSE: Select one for your project, based on the Regional Truck Corridor Study:

Along Tier 1:
Yes
0.1
(to the nearest 0.1 miles)
Along Tier 2:
Miles:
0
(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 | TH 169 and 1/4 mile north of 173rd Street |
| :--- | :--- |
| Current AADT Volume | 29000 |
| Existing Transit Routes on the Project | Other |
| For New Roadways only, list transit routes that will likely be diverted to the new proposed roadway (if applicable). |  |
| Upload Transit Connections Map | 1589522261096 _Transit Connections.pdf |
| Please upload attachment in PDF form. |  |

## Response: Current Daily Person Throughput

Average Annual Daily Transit Ridership 0

Current Daily Person Throughput
37700.0

## Measure B: 2040 Forecast ADT

Use Metropolitan Council model to determine forecast (2040) ADT No
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

Scott County Travel Demand Model

Forecast (2040) ADT volume
36200

## 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 township conducted a grassroots effort in 2018 to review the TH 169 corridor between 173rd Street and Bluff Drive. The study looked at safety and accessibility for all residents and businesses in this area. The project is within census tracts with the percent of the population in poverty or population of color above the regional average percent. There are no housing concentrations as being a rural area, however, there is a campground near the project area that is home to migratory workers during the growing season. The township engaged the campground residents to participate in the open house meetings held for the study. Concerns heard by township residents in the area were primarily safety and delay related to TH 169. The township developed a layout to provide an overpass and key frontage road connections to address both safety and delay experienced by residents.
As construction plans are proposed, public information meetings will be held to inform the public, collect input, and to have a dialogue on ideas and potential conflicts. Sand Creek Township and Scott County will be committed to working with residents including those of low-income, disabled, people of color and youth populations once the design process commences.
(Limit 2,800 characters; approximately 400 words)
2.Sub-measure: Equity Population Benefits and Impacts: A successful project is one that has been designed to provide direct benefits to lowincome populations, people of color, persons with disabilities, youth and the elderly. All projects must mitigate potential negative benefits as required under federal law. Projects that are designed to provide benefits go beyond the mitigation requirement to proactively provide transportation benefits and solve transportation issues experienced by Equity populations.
a.Describe the projects benefits to low-income populations, people of color, children, people with disabilities, and the elderly. Benefits could relate to pedestrian and bicycle safety improvements; public health benefits; direct access improvements for residents or improved access to destinations such as jobs, school, health care or other; travel time improvements; gap closures; new transportation services or modal options, leveraging of other beneficial projects and investments; and/or community connection and cohesion improvements. Note that this is not an exhaustive list.

Response:
The overpass project is located in an area above the regional average for race or poverty. In Sand Creek Township, 11.7 percent of the population is living with a disability (2010 U.S. Census).
Approximately 6.5 percent of the population in Sand Creek is living below the poverty level according to the Poverty Status for Individuals computation from the U.S. Census Bureau, 2018 American Community Survey 5-Year Estimate. Additionally, 17 percent of the population is over the age of 65 . The project will include an overpass over US 169 with pedestrian amenities, resulting in a safer crossing for bicyclists and pedestrians compared to the existing crossings located to the south at the intersection of US 169, TH 282, and CSAH 9 in Jordan and TH 41 in Jackson Township to the North.

This overpass is envisioned to accommodate a wide range of user groups with varying abilities and offers access to many populations. The project will provide paved ADA access over US 169 which does not exist today, benefiting people with disabilities and the elderly with access to something that they did not have access to before. The overpass eliminates the need to cross over the high speed, high volume TH 169 at grade. For older drivers and vehicles like school buses, this is important as it will limit the decisions there are needed for ingress and egress off of TH 169. Additionally, this project will provide a healthy and safe TH 169 crossing alternative for all residents of Scott County helping achieve the goal of Scott County 2020-2025 Strategic Plan; to provide Safe, Healthy, Livable Communities. Ensuring that efficient and safe opportunities are affordable and accessible (by various modes of transportation) to all citizens. The Minnesota Valley Wildlife refuge and Minnesota River resources can be accessed more easily and safely by the township residents who live primarily on the east side of TH 169 in the

## Bluff Drive area.

(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
No known impacts to low-income populations, people of color, children, people with disabilities or the elderly will be created by the project as the project area is primarily surrounded by commercial and industrial businesses or undeveloped land. There will be some minor delay experienced on TH 169 during construction for residents traveling on the corridor due to lane restrictions on TH 169.
(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: Yes

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.

## Measure B: Part 1: Housing Performance Score

|  | Segment Length <br> (For stand-alone <br> projects, enter <br> population from <br> Regional Economy <br> map) within each <br> City/Township | Segment <br> Length/Total <br> Project Length | Score |
| :--- | :---: | :---: | :---: | | Housing Score |
| :---: |
| Multiplied by |
| Segment percent |

## Total Project Length

Total Project Length
Project length entered on the Project Information - General form.

## Housing Performance Score

Total Project Length (Miles) or Population 0.39
Total Housing Score 12.0

## 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.

## Measure A: Infrastructure Age

Year of Original
Roadway Construction
or Most Recent
Segment Length
Calculation
Calculation 2
Reconstruction
1974.0
0.396
781.704
1974.0
0
782
1974

## Average Construction Year

Weighted Year
1974.0

## Total Segment Length (Miles)

Total Segment Length

## Measure A: Congestion Reduction/Air Quality

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


the total number of vehicles at all intersection
s. Synchro
was used.
Summary
table is
attached
along with
the
analysis
reports.

## Vehicle Delay Reduced

Total Peak Hour Delay Reduced
-243.8
Total Peak Hour Delay Reduced

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

| Total (CO, NOX, and VOC) | Total (CO, NOX, and VOC) | Total (CO, NOX, and VOC) |
| :---: | :---: | :---: |
| Peak Hour Emissions | Peak Hour Emissions with | Peak Hour Emissions |
| without the Project | the Project (Kilograms): | Reduced by the Project |
| (Kilograms): |  | (Kilograms): |

## Total

| Total Emissions Reduced: | 0 |
| :--- | :--- |
| Upload Synchro Report | 1589524042787_Sand Creek Overpass 5B Synchro |
|  | Reports.pdf |

Please upload attachment in PDF form. (Save Form, then click 'Edit' in top right to upload file.)

## 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)
Peak Hour Emissions without the Project (Kilograms):

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):

| 0 | 0 | 0 |
| :--- | :--- | :--- |

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

Cruise speed in miles per hour without the project: 0
Vehicle miles traveled without the project: 0
Total delay in hours without the project: 0
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: Benefit of Crash Reduction

Crash Modification Factor Used:
Two crash modification factors were applied at two separate locations in the project. A crash modification factor of 0.0 was used for closing the median at the intersection of TH 169 \& Bluff Dr. A crash modification factor of 0.0 was assumed for closing the east leg of the intersection of TH 169 \& W 166th St.

## Closing Median at the intersection of TH 169 \&

 Bluff Dr (Logical Assumption)-This CMF was assumed because crossing or left turn angle crashes will no longer be possible when the median is closed. These were the only types of crashes observed at the intersection from 2016 to 2018.

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

Total Crashes Reduced by Project: 71
Worksheet Attachment
1589575216392_Worksheets Combine.pdf
Current AADT volume: ..... 0
Average daily trains: ..... 0
Crash Risk Exposure eliminated: ..... 0

Measure A: Multimodal Elements and Existing Connections

This project provides significant safety benefits as it provides an additional opportunity to safely cross TH 169 in Sand Creek Township. For a pedestrian to cross TH 169, they would need to use the newly constructed TH 14 bridge which is 2.3 miles north of the proposed project or the at grade intersection of TH 169, Th 282, and CSAH 9 which is 3.5 miles south of the proposed project. The newly constructed TH 14 bridge which opened in late 2019 has bike/ pedestrian accommodations. However, the US 169, TH 282, CR 9 intersection requires the pedestrian or bicyclist to cross US 169 at grade.

This project does provide a barrier-separated pedestrian/bike accommodation on one side of the overpass of TH 169. Also, future pedestrian and bike accommodations will be constructed on the shoulder of the roadway for all users. The project is

Response: in an industrial and commercial zone in the Township where there is a lack of bike or pedestrian accommodations. The proposed improvements are meant to primarily solve transportation challenges facing the freight generating businesses located in the area. This multi-use trail/overpass will allow residents and KOA campground residents (migrant workers) located on the east side of TH 169 in the Bluff Drive area to access the Minnesota Wildlife refugee trailhead on the west side of TH 169 without having to traverse across high speed 65 mph traffic on TH 169 to get to this area. Scott County has adopted a goal to establish an maintain healthy communities. The overpass with bike and pedestrian accommodations can be utilized by employees and residents for fitness, breaks, or mental well-being. The overpass will also provide an additional safe crossing of US 169 for users to connect to an identified Metropolitan Council Regional Bicycle Transportation Network Tier 2 Corridor. Currently,
the Tier 2 corridor has been identified on TH 14, 2 miles north of the project area.
(Limit 2,800 characters; approximately 400 words)

Measure A: Multimodal Elements and Existing Connections

Response:
The TH 169 overpass will provide a safe and relatively flat paved segregated crossing over TH 169. There is no fixed route transit in the immediate project area; however, TransitLink dial a ride service in Scott County can drop off or pick up riders to the project area. TransitLink also assists residents and business owners/employees by providing last-mile connections to and from the Minnesota Valley Transit Authority (MVTA) park and rides. MVTA provides from those facilities fixed and express transit service to the Downtown Minneapolis, University of Minnesota, Mall of American and Mystic Lake Hotel and Casino via the Marshcall Road Transit Station in Shakopee. The Marschall Road Transit Station is located less than 15 miles north of the project area. TransitLink is ADA compliant and available for anyone to utilize. Land To Air Express, an 5311f, intercity bus service offers daily bus service connecting communities along the Highway 169 corridor. Scheduled daily trips connect Mankato and Minneapolis w/ stops in St. Peter, Le Sueur, Belle Plaine, Jordan \& Shakopee. Land to Air also offers service to/from Mankato to/from the Mall of America and the Minneapolis-St. Paul International Airport. TransitLink users could connect to this service at the Marschall Road Transit Station in Shakopee or Jordan, MN less than 5 miles south of the project area.

This is a rural area but often times there are visitors in the area that come to the farms, orchards, and campgrounds primarily on the east side of TH 169. The area also has overnight guests at the SCALE Regional Traning Facility (RTF) which is very close to this proposed project. The RTF serves over 10,038 overnight room accommodations per year. Often these visitors are looking for ways to get across TH 169 to go over to the Minnesota Valley Wildlife Refuge trailhead on Valley View Drive less than 1,000 feet from the proposed overpass. This
project will provide visitors and users an opportunity
to access the above amenities and local businesses without having to physically drive, which is not possible today given the context of TH 169 in this area.

## 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.

50\%
Attach Layout
1589562831194_Sand Creek Overpass 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.

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

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

Yes

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)

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:
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.

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\%

Response (Limit 2,800 characters; approximately 400 words):

There have been several open houses and public meetings conducted during public involvement efforts. A public open house was held on 6/13/18 and an open house aimed at the project area adjacent businesses and property owners was held on $6 / 6 / 18$. There have been numerous meetings with partner agencies regarding the project. The latest meetings include those held on $5 / 9 / 2018$; $8 / 1 / 2018 ; 8 / 6 / 2018$; and $9 / 13 / 2018$. The project website is hosted by Scott County and provides information that is easily accessible to the public.

Sand Creek Township conducted a grassroots public outreach effort in 2018 to study the TH 169 corridor between 173rd street and Bluff Drive. The study looked at safety and accessibility for all residents and businesses in this area. The project is located in census tracts where the percent of the population living at or below the poverty level, and the percent of the population that is historically disadvantaged is above the regional average.

There are no housing subdivisions in the area, however, there is a campground near the project. The campground can be home to migratory workers during the agricultural growing season. Sand Creek Township engaged the campground to participate in the open house meetings held in 2018. Concerns expressed by residents were safety and delay on Trunk Highway 169. Sand Creek Township has developed a plan to provide an overpass and key frontage road connections to address both safety concerns and delay experienced by residents.

As construction plans are proposed, public information meetings will be held to inform the public, solicit collective input, and to elicit a dialogue on ideas and potential conflicts. Sand Creek Township and Scott County are committed to working with all residents; especially low-income,
disabled, historically disadvantaged, people of color, youth, and senior populations once the design process commences.

## Measure A: Cost Effectiveness

| Total Project Cost (entered in Project Cost Form): | $\$ 2,608,795.00$ |
| :--- | :--- |
| Enter Amount of the Noise Walls: | $\$ 0.00$ |
| Total Project Cost subtract the amount of the noise walls: | $\$ 2,608,795.00$ |
| Enter amount of any outside, competitive funding: | $\$ 0.00$ |
| Attach documentation of award: |  |
| Points Awarded in Previous Criteria | $\$ 0.00$ |

## Other Attachments

| File Name | Description | File Size |
| :--- | :--- | :--- |
| 1 pager final.pdf | Existing Conditons | 368 KB |
| 282_169_land to air response.pdf | Section 2A Response: Usage: Transit <br> Current Daily Person Throughput | 49 KB |
| Raw Crash Data.pdf | Raw Crash Data | 208 KB |
| Regional Solicitation Resolution-169 <br> Overpass 5-7-2020.pdf | Sand Creek Township Resolution | 607 KB |
| Sand Creek Overpass Collision <br> Diagrams (2016-2018).pdf <br> sandcreekoverpass_ <br> onepagesummary_5_14.pdf | Collision Diagrams | 232 KB |
| sandcreeksponsor.pdf | 1-page summary | 1.1 MB |
| Scott Co 169-Bluff Dr letter.pdf | Scott County Sponsorship Letter | 107 KB |
| Scott County Board Resolution.pdf | MnDOT Support Letter | 539 KB |





## Transit Connections

Roadway Expansion Project: Sand Creek Overpass | Map ID: 1589222838469

Results
Transit with a Direct Connection to project:
-- NONE --
*indicates Planned Alignments
Transit Market areas: 5


Project Points • Active Stop
Project
Project Area



## SOCIO-ECONOMIC EQUITY MAP



## AFFORDABLE HOUSING MAP

| Intersection |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Int Delay, s/veh | 0.1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |  |
| Lane Configurations |  | $\hat{\beta}$ |  |  | $\uparrow$ |  |  |  |  | ${ }^{7}$ | 㻢 |  |  |
| Traffic Vol, veh/h | 0 | 3 | 5 | 26 | 3 | 0 | 0 | 0 | 0 | 32 | 1434 | 1 |  |
| Future Vol, veh/h | 0 | 3 | 5 | 26 | 3 | 0 | 0 | 0 | 0 | 32 | 1434 | 1 |  |
| Conflicting Peds, \#hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Sign Control | Stop | Stop | Stop | Yield | Yield | Yield | Stop | Stop | Stop | Free | Free | Free |  |
| RT Channelized | - | - | None | - | - | None | - | - | None | - |  | None |  |
| Storage Length | - | - | - | - | - | - | - | - | - | 280 | - | - |  |
| Veh in Median Storage, \# | \# | 0 | - | - | - | - | - | - | - | - | 0 | - |  |
| Grade, \% | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |  |
| Peak Hour Factor | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |  |
| Heavy Vehicles, \% | 0 | 33 | 40 | 12 | 0 | 0 | 2 | 10 | 2 | 41 | 10 | 0 |  |
| Mvmt Flow | 0 | 4 | 6 | 32 | 4 | 0 | 0 | 0 | 0 | 41 | 1829 | 1 |  |



| Intersection |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Int Delay, s/veh | 0.9 |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement E | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |  |
| Lane Configurations |  | $\uparrow$ |  |  | F |  |  | ¢4 | 「 |  |  |  |  |
| Traffic Vol, veh/h | 2 | 33 | 0 | 0 | 29 | 29 | 0 | 1105 | 18 | 0 | 0 | 0 |  |
| Future Vol, veh/h | 2 | 33 | 0 | 0 | 29 | 29 | 0 | 1105 | 18 | 0 | 0 | 0 |  |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Sign Control Y | Yield | Yield | Yield | Stop | Stop | Stop | Free | Free | Free | Stop | Stop | Stop |  |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |  |
| Storage Length | - | - | - | - | - | - | - | - | 290 | - | - | - |  |
| Veh in Median Storage, \# | \# | - | - | - | 0 | - | - | 0 | - | - | - | - |  |
| Grade, \% | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |  |
| Peak Hour Factor | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |  |
| Heavy Vehicles, \% | 0 | 42 | 0 | 0 | 10 | 17 | 0 | 10 | 11 | 2 | 10 | 2 |  |
| Mvmt Flow | 2 | 40 | 0 | 0 | 36 | 36 | 0 | 1409 | 23 | 0 | 0 | 0 |  |







| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |







| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |



| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |



| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |



| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |



| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 1 |  |  |  |  |  |
| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Configurations |  | $\mathbf{7}$ | 体 | $\mathbf{F}$ |  |  |
| Traffic Vol, veh/h | 0 | 68 | 1088 | 35 | 0 | 0 |
| Future Vol, veh/h | 0 | 68 | 1088 | 35 | 0 | 0 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | 240 | - | - |
| Veh in Median Storage, \# | 0 | - | 0 | - | - | - |
| Grade, \% | 0 | - | 0 | - | - | 0 |
| Peak Hour Factor | 98 | 98 | 98 | 98 | 98 | 98 |
| Heavy Vehicles, \% | 0 | 7 | 10 | 29 | 2 | 10 |
| Mvmt Flow | 0 | 83 | 1388 | 45 | 0 | 0 |





|  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Intersection |  |  |  |  |  |  |  |



| Intersection |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Int Delay，s／veh | 0.1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |  |
| Lane Configurations |  | $\uparrow$ |  |  |  | 「 | 7 | 个 $\uparrow$ | 「 |  |  |  |  |
| Traffic Vol，veh／h | 1 | 13 | 0 | 0 | 0 | 5 | 7 | 1117 | 4 | 0 | 0 | 0 |  |
| Future Vol，veh／h | 1 | 13 | 0 | 0 | 0 | 5 | 7 | 1117 | 4 | 0 | 0 | 0 |  |
| Conflicting Peds，\＃／hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Sign Control Y | Yield | Yield | Yield | Stop | Stop | Stop | Free | Free | Free | Stop | Stop | Stop |  |
| RT Channelized | － | － | None | － | － | None | － | － | None | － | － | None |  |
| Storage Length | － | － | － | － | － | 0 | 540 |  | 320 | － | － | － |  |
| Veh in Median Storage，\＃ | \＃ | － | － | － | 0 | － | － | 0 | － | － | － | － |  |
| Grade，\％ | － | 0 | － | － | 0 | － | － | 0 | － | － | 0 | － |  |
| Peak Hour Factor | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |  |
| Heavy Vehicles，\％ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 2 | 10 | 2 |  |
| Mvmt Flow | 1 | 16 | 0 | 0 | 0 | 6 | 9 | 1425 | 5 | 0 | 0 | 0 |  |





| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 4 |  |  |  |  |  |
| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
| Lane Configurations |  |  | $\uparrow$ |  | r |  |
| Traffic Vol, veh/h | 0 | 31 | 24 | 3 | 44 | 0 |
| Future Vol, veh/h | 0 | 31 | 24 | 3 | 44 | 0 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, \# | - | 0 | 0 | - | 0 | - |
| Grade, \% | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 98 | 98 | 98 | 98 | 98 | 98 |
| Heavy Vehicles, \% | 0 | 0 | 0 | 33 | 11 | 0 |
| Mvmt Flow | 0 | 38 | 29 | 4 | 54 | 0 |


| Major/Minor M | Major1 |  |  |  | Minor2 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Conflicting Flow All | 33 | 0 | - | 0 | 69 | 31 |
| Stage 1 | - | - | - | - | 31 | - |
| Stage 2 | - | - | - | - | 38 | - |
| Critical Hdwy | 4.1 | - | - | - | 6.51 | 6.2 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.51 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.51 | - |
| Follow-up Hdwy | 2.2 | - | - | - | 3.599 | 3.3 |
| Pot Cap-1 Maneuver | 1592 | - | - | - | 914 | 1049 |
| Stage 1 | - | - | - | - | 969 | - |
| Stage 2 | - | - | - | - | 962 | - |
| Platoon blocked, \% |  | - | - | - |  |  |
| Mov Cap-1 Maneuver | 1592 | - | - | - | 914 | 1049 |
| Mov Cap-2 Maneuver | - | - | - | - | 914 | - |
| Stage 1 | - | - | - | - | 969 | - |
| Stage 2 | - | - | - | - | 962 | - |
|  |  |  |  |  |  |  |
| Approach | EB |  |  |  | SB |  |
| HCM Control Delay, s | 0 |  | 0 |  | 9.2 |  |
| HCM LOS |  |  |  |  | A |  |
|  |  |  |  |  |  |  |
| Minor Lane/Major Mvmt |  | EBL | EBT | WBT WBR SBLn1 |  |  |
| Capacity (veh/h) |  | 1592 | - | - | - | 914 |
| HCM Lane V/C Ratio |  | - | - | - | - | 0.059 |
| HCM Control Delay (s) |  | 0 | - | - | - | 9.2 |
| HCM Lane LOS |  | A | - | - | - | A |
| HCM 95th \%tile Q(veh) |  | 0 | - | - | - | 0.2 |




## 1: W 166th Street \& TH 169 SB

| Direction | EB | WB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 10 | 35 | 1833 | 1878 |
| CO Emissions $(\mathrm{kg})$ | 0.01 | 0.01 | 1.62 | 1.63 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.31 | 0.32 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.38 | 0.38 |

2: TH TH 169 NB/TH 169 NB \& W 166th Street

| Direction | EB | WB | NB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 41 | 71 | 1404 | 1516 |
| CO Emissions $(\mathrm{kg})$ | 0.01 | 0.05 | 2.56 | 2.61 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.01 | 0.50 | 0.51 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.01 | 0.59 | 0.61 |

13: TH 169 SB \& Bluff Drive

| Direction | EB | WB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 53 | 17 | 1861 | 1931 |
| CO Emissions (kg) | 0.04 | 0.00 | 2.47 | 2.52 |
| NOx Emissions $(\mathrm{kg})$ | 0.01 | 0.00 | 0.48 | 0.49 |
| VOC Emissions $(\mathrm{kg})$ | 0.01 | 0.00 | 0.57 | 0.58 |

## 14: TH 169 NB \& Bluff Drive

| Direction | EB | WB | NB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 46 | 15 | 1420 | 1481 |
| CO Emissions $(\mathrm{kg})$ | 0.01 | 0.01 | 1.26 | 1.28 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.24 | 0.25 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.29 | 0.30 |

## 21: TH 169 SB

| Direction | EB | SB | All |
| :--- | ---: | ---: | ---: |
| Future Volume (vph) | 22 | 1832 | 1854 |
| CO Emissions (kg) | 0.02 | 0.36 | 0.38 |
| NOx Emissions (kg) | 0.00 | 0.07 | 0.07 |
| VOC Emissions (kg) | 0.00 | 0.08 | 0.09 |

24: TH 169 NB/TH TH 169 NB \& 173rd Street W

| Direction | EB | WB | NB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 17 | 6 | 1410 | 1433 |
| CO Emissions (kg) | 0.00 | 0.01 | 2.91 | 2.92 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.57 | 0.57 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.67 | 0.68 |

25: 173rd Street W \& TH 169 SB

| Direction | EB | WB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 37 | 9 | 1854 | 1900 |
| CO Emissions (kg) | 0.04 | 0.00 | 0.35 | 0.39 |
| NOx Emissions (kg) | 0.01 | 0.00 | 0.07 | 0.08 |
| VOC Emissions $(\mathrm{kg})$ | 0.01 | 0.00 | 0.08 | 0.09 |

28: TH 169 SB

| Direction | SB | All |
| :--- | ---: | ---: |
| Future Volume (vph) | 1832 | 1832 |
| CO Emissions (kg) | 2.66 | 2.66 |
| NOx Emissions (kg) | 0.52 | 0.52 |
| VOC Emissions (kg) | 0.62 | 0.62 |

Network Totals

| Number of Intersections | 8 |
| :--- | ---: |
| CO Emissions $(\mathrm{kg})$ | 14.39 |
| NOx Emissions $(\mathrm{kg})$ | 2.80 |
| VOC Emissions $(\mathrm{kg})$ | 3.34 |
| Performance Index | 0.9 |

## 1: TH 169 SB \& W 166th Street

| Direction | EB | SB | All |
| :--- | ---: | ---: | ---: |
| Future Volume (vph) | 10 | 1797 | 1807 |
| CO Emissions $(\mathrm{kg})$ | 0.01 | 1.59 | 1.59 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.31 | 0.31 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.37 | 0.37 |

## 2: Jordan Ave SE \& Bluff Drive

| Direction | WB | NB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 89 | 24 | 4 | 117 |
| CO Emissions (kg) | 0.13 | 0.04 | 0.00 | 0.17 |
| NOx Emissions (kg) | 0.03 | 0.01 | 0.00 | 0.03 |
| VOC Emissions (kg) | 0.03 | 0.01 | 0.00 | 0.04 |

## 13: TH 169 SB \& Bluff Drive

| Direction | EB | SB | All |
| :--- | ---: | ---: | ---: |
| Future Volume (vph) | 27 | 1858 | 1885 |
| CO Emissions $(\mathrm{kg})$ | 0.04 | 2.47 | 2.51 |
| NOx Emissions $(\mathrm{kg})$ | 0.01 | 0.48 | 0.49 |
| VOC Emissions $(\mathrm{kg})$ | 0.01 | 0.57 | 0.58 |

## 14: TH 169 NB \& Bluff Drive

| Direction | WB | NB | All |
| :--- | ---: | ---: | ---: |
| Future Volume (vph) | 81 | 1404 | 1485 |
| CO Emissions (kg) | 0.06 | 3.80 | 3.85 |
| NOx Emissions (kg) | 0.01 | 0.74 | 0.75 |
| VOC Emissions (kg) | 0.01 | 0.88 | 0.89 |

16: Berkshire Ave \& Bluff Drive

| Direction | EB | WB | NB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 42 | 15 | 82 | 139 |
| CO Emissions (kg) | 0.01 | 0.01 | 0.13 | 0.15 |
| NOx Emissions (kg) | 0.00 | 0.00 | 0.02 | 0.03 |
| VOC Emissions (kg) | 0.00 | 0.00 | 0.03 | 0.03 |

22: Jordan Ave SE \& Berkshire Ave

| Direction | WB | NB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 52 | 4 | 84 | 140 |
| CO Emissions (kg) | 0.11 | 0.01 | 0.15 | 0.26 |
| NOx Emissions (kg) | 0.02 | 0.00 | 0.03 | 0.05 |
| VOC Emissions (kg) | 0.02 | 0.00 | 0.04 | 0.06 |

## 24: TH 169 NB \& 173rd Street W

| Direction | EB | WB | NB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 17 | 6 | 1410 | 1433 |
| CO Emissions (kg) | 0.00 | 0.01 | 2.91 | 2.92 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.57 | 0.57 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.67 | 0.68 |

## 25: TH 169 SB \& 173rd Street W

| Direction | EB | WB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 90 | 9 | 1803 | 1902 |
| CO Emissions $(\mathrm{kg})$ | 0.08 | 0.00 | 3.31 | 3.39 |
| NOx Emissions $(\mathrm{kg})$ | 0.01 | 0.00 | 0.64 | 0.66 |
| VOC Emissions $(\mathrm{kg})$ | 0.02 | 0.00 | 0.77 | 0.79 |

26: 173rd Street W \& Jordan Ave SE

| Direction | EB | WB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 37 | 32 | 53 | 122 |
| CO Emissions $(\mathrm{kg})$ | 0.02 | 0.01 | 0.10 | 0.14 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.02 | 0.03 |
| VOC Emissions $(\mathrm{kg})$ | 0.01 | 0.00 | 0.02 | 0.03 |

31: Berkshire Ave \& W 166th Street

| Direction | EB | WB | NB | SB | All |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 14 | 35 | 99 | 40 | 188 |
| CO Emissions $(\mathrm{kg})$ | 0.01 | 0.03 | 0.15 | 0.05 | 0.24 |
| NOx Emissions $(\mathrm{kg})$ | 0.00 | 0.00 | 0.03 | 0.01 | 0.05 |
| VOC Emissions $(\mathrm{kg})$ | 0.00 | 0.01 | 0.04 | 0.01 | 0.06 |

## Network Totals

| Number of Intersections | 10 |
| :--- | ---: |
| CO Emissions $(\mathrm{kg})$ | 15.23 |
| NOx Emissions $(\mathrm{kg})$ | 2.96 |
| VOC Emissions (kg) | 3.53 |
| Performance Index | 2.5 |

## 31: Berkshire Ave

| Direction | WB | NB | SB | All |
| :--- | ---: | ---: | ---: | ---: |
| Future Volume (vph) | 35 | 90 | 35 | 160 |
| Control Delay / Veh (s/v) | 9 | 0 | 2 | 2 |
| Queue Delay / Veh (s/v) | 0 | 0 | 0 | 0 |
| Total Delay / Veh (s/v) | 9 | 0 | 2 | 2 |
| Total Delay (hr) | 0 | 0 | 0 | 0 |
| Stops / Veh | 1.00 | 0.00 | 0.40 | 0.31 |
| Stops (\#) | 35 | 0 | 14 | 49 |
| Average Speed (mph) | 14 | 30 | 29 | 29 |
| Total Travel Time (hr) | 0 | 3 | 0 | 4 |
| Distance Traveled (mi) | 2 | 102 | 13 | 118 |
| Fuel Consumed (gal) | 0 | 4 | 1 | 5 |
| Fuel Economy (mpg) | NA | 24.3 | NA | 22.7 |
| CO Emissions (kg) | 0.03 | 0.29 | 0.04 | 0.36 |
| NOx Emissions (kg) | 0.00 | 0.06 | 0.01 | 0.07 |
| VOC Emissions (kg) | 0.01 | 0.07 | 0.01 | 0.08 |
| Unserved Vehicles (\#) | 0 | 0 | 0 | 0 |
| Vehicles in dilemma zone (\#) | 0 | 0 | 0 | 0 |

## Network Totals

| Number of Intersections | 9 |
| :--- | ---: |
| Control Delay / Veh (s/v) | 0 |
| Queue Delay / Veh (s/v) | 0 |
| Total Delay / Veh (s/v) | 0 |
| Total Delay (hr) | 1 |
| Stops / Veh | 0.05 |
| Stops (\#) | 450 |
| Average Speed (mph) | 61 |
| Total Travel Time (hr) | 78 |
| Distance Traveled (mi) | 4706 |
| Fuel Consumed (gal) | 172 |
| Fuel Economy (mpg) | 27.3 |
| CO Emissions (kg) | 12.03 |
| NOx Emissions (kg) | 2.34 |
| VOC Emissions (kg) | 2.79 |
| Unserved Vehicles (\#) | 0 |
| Vehicles in dilemma zone (\#) | 0 |
| Performance Index | 1.8 |

Project Cost
\$ 2,608,795.00
B/C
1.92

Project Benefit
169 \& Bluff Dr \$ 3,599,826.32
169 \& 166th $\$ 1,415,205.10$
Total
\$ 5,015,031.42

Crashes Prevented 169 \& Bluff Dr
50.1

169 \& 166th
20.1

Total


Amortizing...

| Year | Crash Benefits |  | Present Worth Benefits |  | Present Worth Costs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2024 | \$ | 147,533 | \$ | 147,533 | \$ | 2,608,795 |
| 2025 | \$ | 148,271 | \$ | 145,364 |  |  |
| 2026 | \$ | 149,012 | \$ | 143,226 |  |  |
| 2027 | \$ | 149,757 | \$ | 141,120 |  |  |
| 2028 | \$ | 150,506 | \$ | 139,044 |  |  |
| 2029 | \$ | 151,259 | \$ | 137,000 |  |  |
| 2030 | \$ | 152,015 | \$ | 134,985 |  |  |
| 2031 | \$ | 152,775 | \$ | 133,000 |  |  |
| 2032 | \$ | 153,539 | \$ | 131,044 |  |  |
| 2033 | \$ | 154,307 | \$ | 129,117 |  |  |
| 2034 | \$ | 155,078 | \$ | 127,218 |  |  |
| 2035 | \$ | 155,854 | \$ | 125,347 |  |  |
| 2036 | \$ | 156,633 | \$ | 123,504 |  |  |
| 2037 | \$ | 157,416 | \$ | 121,688 |  |  |
| 2038 | \$ | 158,203 | \$ | 119,898 |  |  |
| 2039 | \$ | 158,994 | \$ | 118,135 |  |  |
| 2040 | \$ | 159,789 | \$ | 116,398 |  |  |
| 2041 | \$ | 160,588 | \$ | 114,686 |  |  |
| 2042 | \$ | 161,391 | \$ | 112,999 |  |  |
| 2043 | \$ | 162,198 | \$ | 111,338 |  |  |
| 2044 | \$ | 163,009 | \$ | 109,700 |  |  |
| 2045 | \$ | 163,824 | \$ | 108,087 |  |  |
| 2046 | \$ | 164,643 | \$ | 106,498 |  |  |
| 2047 | \$ | 165,466 | \$ | 104,931 |  |  |
| 2048 | \$ | 166,294 | \$ | 103,388 |  |  |
| 2049 | \$ | 167,125 | \$ | 101,868 |  |  |
| 2050 | \$ | 167,961 | \$ | 100,370 |  |  |
| 2051 | \$ | 168,801 | \$ | 98,894 |  |  |
| 2052 | \$ | 169,645 | \$ | 97,440 |  |  |
| 2053 | \$ | 170,493 | \$ | 96,007 |  |  |
| 0 | S | - | \$ | 96,007 |  |  |
| Totals = |  |  | \$ | $\begin{aligned} & 3,599,826 \\ & (\mathrm{~B}) \end{aligned}$ | \$ | $608,795$ <br> C) |

year $(n)=1,2,3, \ldots$
discount rate $(\mathrm{i})=7 \%$
Crash Benefits
$(@$ year n$)=(\text { Crash Benefits })_{\mathrm{n}-1} \quad \mathrm{X} \quad(1+$ Traffic Growth Factor $)$

Present Worth Benefits
$(@)$ year n$)=(\text { Crash Benefits })_{\mathrm{n}} \quad \mathrm{X} \quad 1 /\left(1+{\text { Discount Rate })^{\mathrm{n}}}^{\mathrm{n}}\right.$

| Type of Crash | Crash Severity | Cost per Crash |  |
| :--- | :--- | :--- | ---: |
|  | K | $\$$ | $1,140,000$ |
| Fatal | A Incapacitating | $\$$ | 570,000 |
|  | B Non-Incapacitating | $\$$ | 170,000 |
|  | C Possible | $\$$ | 83,000 |
|  | Property Damage | PDO or N | $\$$ |

Source: MnDOT Office of Transportation System Management (July 2015)


| Type of Crash | Crash Severity | Cost per Crash |  |
| :--- | :--- | :--- | ---: |
|  | K | $\$$ | $1,140,000$ |
| Fatal | A Incapacitating | $\$$ | 570,000 |
|  | B Non-Incapacitating | $\$$ | 170,000 |
|  | C Possible | $\$$ | 83,000 |
|  | Property Damage | PDO or N | $\$$ |

Source: MnDOT Office of Transportation System Management (July 2015)

Amortizing...

| Year | $\begin{gathered} \text { Crash } \\ \text { Benefits } \end{gathered}$ |  | Present Worth Benefits |  | Present Worth Costs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2024 | \$ | 58,000 | \$ | 58,000 | \$ | 2,608,795 |
| 2025 | \$ | 58,290 | \$ | 57,147 |  |  |
| 2026 | \$ | 58,581 | \$ | 56,307 |  |  |
| 2027 | \$ | 58,874 | \$ | 55,479 |  |  |
| 2028 | \$ | 59,169 | \$ | 54,663 |  |  |
| 2029 | \$ | 59,465 | \$ | 53,859 |  |  |
| 2030 | \$ | 59,762 | \$ | 53,067 |  |  |
| 2031 | \$ | 60,061 | \$ | 52,286 |  |  |
| 2032 | \$ | 60,361 | \$ | 51,518 |  |  |
| 2033 | \$ | 60,663 | \$ | 50,760 |  |  |
| 2034 | \$ | 60,966 | \$ | 50,013 |  |  |
| 2035 | \$ | 61,271 | \$ | 49,278 |  |  |
| 2036 | \$ | 61,577 | \$ | 48,553 |  |  |
| 2037 | \$ | 61,885 | \$ | 47,839 |  |  |
| 2038 | \$ | 62,195 | \$ | 47,136 |  |  |
| 2039 | \$ | 62,506 | \$ | 46,443 |  |  |
| 2040 | \$ | 62,818 | \$ | 45,760 |  |  |
| 2041 | \$ | 63,132 | \$ | 45,087 |  |  |
| 2042 | \$ | 63,448 | \$ | 44,424 |  |  |
| 2043 | \$ | 63,765 | \$ | 43,770 |  |  |
| 2044 | \$ | 64,084 | \$ | 43,127 |  |  |
| 2045 | \$ | 64,404 | \$ | 42,492 |  |  |
| 2046 | \$ | 64,726 | \$ | 41,868 |  |  |
| 2047 | \$ | 65,050 | \$ | 41,252 |  |  |
| 2048 | \$ | 65,375 | \$ | 40,645 |  |  |
| 2049 | \$ | 65,702 | \$ | 40,047 |  |  |
| 2050 | \$ | 66,031 | \$ | 39,459 |  |  |
| 2051 | \$ | $66,361$ | \$ | 38,878 |  |  |
| 2052 | \$ | $66,693$ | \$ | 38,307 |  |  |
| ${ }^{2053}$ | \$ | 67,026 | \$ | 37,743 |  |  |
| Totals = |  |  | \$ | $5,205$ | \$ | $608,795$ <br> C) |

year $(n)=1,2,3, \ldots$
discount rate $(\mathrm{i})=7 \%$
Crash Benefits
$(@$ year n$)=(\text { Crash Benefits })_{\mathrm{n}-1} \quad \mathrm{X} \quad(1+$ Traffic Growth Factor $)$

Present Worth Benefits
$(@)$ year n$)=(\text { Crash Benefits })_{\mathrm{n}} \quad \mathrm{X} \quad 1 /\left(1+{\text { Discount Rate })^{\mathrm{n}}}^{\mathrm{n}}\right.$

## Sand Creek Overpass Layout



## Sand Creek Overpass Existing Conditions



Sand Creek Township

## Section 2A: Usage: Transit Current Daily Person Throughput

"Other" response:
Land to Air Express is an inter-city regional transit service with two routes that serve the region. These routes are funded by the Federal Transit Administration through the Federal Grants for Rural Areas-5311 program.

The Minneapolis Airport Shuttle route is provided by Jefferson Lines which provides daily shuttle bus service between the cities of Mankato and St. Peter and the Minneapolis-St. Paul International Airport.

The Highway 169 Connection route offers daily bus service which connects cities located along Highway 169. Two daily trips connect: Mankato, MNSU, MSU, Gustavus, St. Peter, Le Sueur, Belle Plaine, Jordan, and Shakopee to the Mall of America, the St. Paul Union Depot, the Minneapolis Bus Depot, and the Minneapolis-St. Paul International Airport.

Land to Air contact information: bonnieb@jeffersonlines.com

| objectid | Incident ID Date and T Year | Hour | Crash Seve N | Number Ki | Ki Number of Officer Nar | ounty | City | Township |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1790704 | 383202 10/1/2016 | 2016 | 6 Possible In. | 0 | 3 V 1 was norm | Scott |  | Sand Creel |
| 2072075 | 469791 6/14/2017 | 2017 | 15 Minor Inju | 0 | $2 \mathrm{~S} / \mathrm{B}$ USTH 1M | Scott |  | Sand Creel |
| 2135888 | 513738 10/31/201 | 2017 | 15 Minor Inju | 0 | 2 crossing M | Scott |  | Sand Creel |
| 2136419 | 530139 12/13/201 | 2017 | 16 Property D | 0 | 2 OCCURRE M | Scott |  | Sand Creel |
| 2164316 | 506246 9/28/2017 | 2017 | 10 Possible In. | 0 | 2 Vehicle tw M | Scott |  | Sand Creel |
| 2480384 | 598121 5/18/2018 | 2018 | 17 Property D | 0 | 2 OcCurre M | Scott |  | Louisville |
| 2583379 | 605161 6/18/2018 | 2018 | 9 Possible In. | 0 | 2150 M | Scott |  | Sand Creel |

Route TypধRoute ID Route Mea Roadway $\wedge$ Divided Ro Intersectio Manner of First Harm Relative Tr Lighting Cc Road Circu road_circu Road Circu
U.S. Trunk 02000000 ( 101.6173 USTH 169 North
U.S. Trunk 02000000 ( 100.7419 USTH 169 South
U.S. Trunk 02000000( 101.9846 USTH 169 South
U.S. Trunk 02000000( 102.1024 USTH 169 South
U.S. Trunk 02000000( 101.6387 USTH 169 , North
U.S. Trunk 02000000( 102.5394 USTH 169 North
U.S. Trunk 02000000 ( 101.9961 N/B USTH North

Angle Motor Veh On Roadwi Dark (No S None
Angle Motor Veh On Roadwi Daylight None
Sideswipe Motor Veh On Roadwi Daylight None
Angle Motor Veh On Roadw: Dark (No S None
Front to $R \in$ Motor Veh On Roadwi Daylight None
Angle Motor Veh On Roadwi Daylight None
Angle Motor Veh On Roadwi Daylight None
road_circu Relative In Traffic Con Weather P Weather S. Surface Co Work Zon $\in$ Work Zon $\in$ Work Zon $\in$ Workers PI Unit1 Type Unit1 Vehi Unit1 Dires

| Four-Way INo Control Clear | Dry | 1 Activity Arı Work on SINo | Motor Veh Passenger Northboun |  |
| :--- | :--- | :--- | :--- | :--- |
| Four-Way IStop Sign Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger Eastbound |
| Driveway / No Control Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger Eastbound |
| Four-Way IStop Sign Cloudy | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger Southboun |
| Four-Way IStop Sign Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger Northboun |
| Four-Way IYield Sign Clear | Dry | 2 | NOT APPLICABLE | Motor Veh Passenger Eastbound |
| Four-Way IYield Sign Rain | Cloudy | Wet | 2 | NOT APPLICABLE | Motor Veh Pickup Southboun

Unit1 Factı Unit1 Factı Unit1 Mos Unit1 Vehi Unit1 Traff Unit1 PostıUnit1 Hori، Unit1 Roac Unit1 Nonı Unit1 Injur Unit1 Phys Unit1 Age Unit1 Sex Following Too Closely Motor Veh Moving Fo Two-Way, Failure to Yield Right-c Motor Veh Moving Fo Two-Way, Failure to Yield Right-of-Way Moving Fo Two-Way, Operated Motor Vehicle in Carelє Moving Fo Two-Way, Other Contributing Ac Motor Veh Moving Fo Two-Way, Failure to Yield Right-of-Way Moving Fo Two-Way, Failure to Yield Right-c Motor Veh Turning Le Two-Way,

| 65 Straight | Level | No Appare Apparently | 49 Male |
| :--- | :--- | :--- | :--- |
| 65 Straight | Level | Suspected Apparently | 24 Male |
| 65 Straight | Level | Suspected Apparently | 40 Male |
| 65 Straight | Level | No Appare Apparently | 63 Female |
| 65 Straight | Level | Possible In Apparently | 31 Male |
| 65 Straight | Level | No Appare Apparently | 79 Female |
| 65 Straight | Level | Possible In Apparently | 37 Female |

Motor Veh Passenger Northbour Failed to Keep in Prop Motor Veh Moving Forward Motor Veh Medium / Eastbound No Clear Contributing Action Moving Forward Motor Veh Passenger Southboun No Clear Contributing Action Moving Forward Motor Veh Pickup Southboun No Clear Contributing Motor Veh Moving Forward Motor Veh Medium / Northbour No Clear Contributing Motor Veh Moving Forward Motor Veh Sport Utilit Eastbound No Clear Contributing Action Moving Forward Motor Veh Passenger Northbour No Clear Contributing Motor Veh Moving Forward

Possible In Apparently
52 Male
Motor Veh
Possible In Apparently
61 Male Possible In Apparently No Appare Apparently Possible In Apparently No Appare Apparently Possible In Apparently

30 Female
28 Male
62 Male
52 Male
58 Male

Unit3 Vehi Unit3 Direr Unit3 Fact، Unit3 Factı Unit3 Mos Unit3 Vehi Unit3 Nonı Unit3 Injur Unit3 Phys Unit3 Age Unit3 Sex Unit4 Type Unit4 Vehi Limousine Eastbound Failure to Yield Right-ı Motor Veh Turning Left No Appare Apparently 43 Male

Unit4 Direc Unit4 FactıUnit4 FactıUnit4 Mos Unit4 Vehi Unit4 Nonı Unit4 Injur Unit4 Phys Unit4 Age Unit4 Sex interchang otst_inters city_sectio

| utmx | utmy | $y$ |  |
| :--- | :--- | :--- | :--- | :--- |
| 453160.2 | 4950828 | 453160.2 | 4950828 |
| 452582.3 | 4949544 | 452582.3 | 4949544 |
| 453369.7 | 4951394 | 453369.7 | 4951394 |
| 453445.9 | 4951567 | 453445.9 | 4951567 |
| 453168.7 | 4950862 | 453168.7 | 4950862 |
| 453547.5 | 4952219 | 453547.5 | 4952219 |
| 453388.8 | 4951368 | 453388.8 | 4951368 |

## TOWNSHIP OF SAND CREEK SCOTT COUNTY, MINNESOTA RESOLUTION 2020-04

WHEREAS, the Transportation Advisory Board (TAB) is requesting project submittal s for federal funding under the Surface Transportation Block Grant Program (STBGP), the Transportation Alternatives Program (TAP), and the Congestion Mitigation and Air Quality Program (CMAQ); and

WHEREAS, funding is available in the 2023-2024 federal fiscal years; and
WHEREAS, funding provides up to 80 percent of project construction costs; and
WHEREAS, this federal funding of projects reduces the burden on local taxpayers for regional improvements; and

WHEREAS, Sand Creek Township has identified projects that improve the safety and transportation system of the region; and

WHEREAS, Scott County's has agreed to sponsor Sand Creek Township's submittal of the Sand Creek US 169 Overpass Improvement Project by Scott County Board Resolution No. 2020-083.

NOW, THEREFORE BE IT RESOLVED, that the Town Board of Sand Creek Township hereby authorizes submittal of the US 169 Overpass Improvement Project to the Transportation Advisory Board for consideration in the 2020 Regional Solicitation Process.

Passed and Adopted by the Town Board of Sand Creek Township on the $7^{\text {th }}$ day of May, 2020.


Maggie Gallehthne, Clerk

## Collision Diagram

Location: US 169 \& Bluff Dr
Time Period: JAN 01, 2016 to DEC 31, 2018 Date: APR 21, 2020
Prepared By:JWR


No. of Crashes

| Fatal $=$ | 0 |
| :--- | :--- |
| A Injury $=$ | 0 |
| B Injury $=$ | 2 |
| C Injury $=$ | 1 |
| Injury Total $=$ | 3 |
| Property Damage $=$ | 2 |
| Total Crashes $=$ | 5 |

Bluff Dr


## Collision Diagram

No. of Crashes

| Fatal $=$ | 0 |
| :--- | :--- |
| A Injury $=$ | 0 |
| B Injury $=$ | 0 |
| C Injury $=$ | 2 |
| Injury Total $=$ | 2 |
| Property Damage $=$ | 0 |
| Total Crashes $=$ | 2 |

Location: US 169 \& W 166th
Time Period: JAN 01, 2016
Prepared By: JWR
NORTH

|  |  | Injury Total = | 2 |
| :---: | :---: | :---: | :---: |
|  |  | Property Damage $=$ | 0 |
|  |  | Total Crashes = | 2 |
|  | W 166th St |  |  |



## Sand Creek Township Overpass

Applicant: Sand Creek Township Location: Sand Creek Township

Counties where project is located: Scott Requested award amount: \$2,087,036 Total project cost: \$2,608,795


PROJECT LOCATION MAP

## Project Description

This project is a collaboration between Sand Creek Township and Scott County to reduce delay, and increase safety in Sand Creek Township. The project would create an overpass of local roadways over TH 169. Jordan Avenue on the west would connect with Berkshire Avenue on the east side, creating an overpass.

## Benefits

- Project will decrease the number of conflict points and number of access points to increase safety for the businesses and residents utilizing TH 169.
- The TH 169 overpass will allow for consolidation of TH 169 access and will provide local connectivity.
- By 2020 TH 169 north of this segment will no longer have signalized intersections. Thus this project addresses the current inadequate gaps in the road network system. The road network in the project area is heavily utilized by commercial and industrial businesses.
- Freight truck traffic congestion and delay will be improved to support continued economic development of the


May 12, 2020

## RE: Project Sponsor <br> For Sand Creek Township Application

To Whom It May Concern:
Sand Creek Township is submitting an application for the Regional Solication for the TH 169 Overpass project between Jordan Avenue and Berkshire Avenue. This application is under the Roadways Including Multimodal Elemants Catetory. The Scott County Board has agreed to support and be the application's project sponsor per County Board May $5{ }^{\text {th }}$ Resolution.

If you have any questions, please feel free to contact me.
Sincerely,


Tony Winiecki, PE
County Engineer

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

May 14, 2020
Craig Jenson
Transportation Planning Manager
Scott County Highway Department
600 Country Trail East
Jordan, MN 55352

## Re: MnDOT Letter for Scott County

Metropolitan Council/Transportation Advisory Board 2020 Regional Solicitation Funding Request for US 169/Bluff Drive overpass

Dear Craig Jenson,
This letter documents MnDOT Metro District's recognition for Scott County to pursue funding for the Metropolitan Council/Transportation Advisory Board's (TAB) 2020 Regional Solicitation for the construction of US 169/Bluff Drive overpass in Scott County.

As proposed, this project impacts MnDOT right-of-way on US 169. As the agency with jurisdiction over this highway, MnDOT will allow Scott County to seek improvements proposed in the application for the US 169/Bluff Drive. If funded, details of any future maintenance agreement with Scott County 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. 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 or2 025 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 Scott County 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 Mark Lindeberg, South Area Manager, at mark.lindeberg@state.mn.us or 651-234-7729.

Sincerely,

## Michael <br> Digitally signed by Michael Barnes Date: 2020.05.14 18:11:20-05'00'

Michael Barnes, PE
Metro District Engineer

CC: Mark Lindeberg, Metro District South Area Manager<br>Molly McCartney, Metro Program Director<br>Dan Erickson, Metro State Aid Engineer

| Date: | May 5, 2020 |
| ---: | :--- |
| Resolution No.: | $2020-083$ |
| Motion by Commissioner: | Wolf |
| Seconded by Commissioner: | Weckman Brekke |

## RESOLUTION NO. 2020-083; AUTHORIZING SUBMITTAL OF TRANSPORTATION PROJECTS TO THE TRANSPORTATION ADVISORY BOARD FOR CONSIDERATION IN THE 2020 REGIONAL SOLICITATION PROCESS

WHEREAS, the Transportation Advisory Board (TAB) is requesting project submittal s for federal funding under the Surface Transportation Block Grant Program (STBGP), the Transportation Alternatives Program (TAP), and the Congestion Mitigation and Air Quality Program (CMAQ); and

WHEREAS, funding is available in the 2023-2024 federal fiscal years; and
WHEREAS, funding provides up to 80 percent of project construction costs; and
WHEREAS, this federal funding of projects reduces the burden on local taxpayers for regional improvements; and

WHEREAS, Scott County has identified projects that improve the safety and transportation system of the region; and

WHEREAS, the projects are also consistent with the Scott County Transportation Plan and Scott County Parks Plan; and

WHEREAS, the Scott County Board of Commissioners desires to submit and support these projects: 1. Trunk Highway (TH) 282, County State Aid Highway 9, and TH 169 Interchange 2. 169 Overpass south of $166^{\text {th }}$ Street (on behalf of Sand Creek Township) 3. Merriam Junction Trail.

NOW, THEREFORE BE IT RESOLVED, that the Scott County Board of Commissioners hereby supports the submittal of the above-named projects to the Transportation Advisory Board for consideration in the 2020 Regional Solicitation Process.

| COMMISSIONERS | VOTE |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Weckman Brake | 「 Yes | $\Gamma$ No | $\Gamma$ Absent | $\Gamma$ Abstain |
| Wolf |  | Yes | $\Gamma$ No | $\Gamma$ Absent |
| Abstain |  |  |  |  |
| Beard |  | Yes | $\Gamma$ No | $\Gamma$ Absent |
| Beer |  | Abstain |  |  |
| Ulrich | Yes | $\Gamma$ No | $\Gamma$ Absent | $\Gamma$ Abstain |

[^0]


[^0]:    State of Minnesota)
    County of Scott )
    I, Lezlie A. Vermilion, duly appointed qualified County Administrator for the County of Scott, State of Minnesota, do hereby certify that I have compared the foregoing copy of a resolution with the original minutes of the proceedings of the Board of County Commissioners, Scott County, Minnesota, at their session held on the $5^{\text {th }}$ day of May, 2020 now on file in my office, and have found the same to be a true and correct copy thereof. Witness my hand and official seal at Shakopee, Minnesota, this 5th day of May, 2020.

