

Application

Submitted Date:	07/14/2016 8:46 AM	
Status:	Submitted	
Regional Solicitation - Roadways Including Multimodal Elements		
05082 - CSAH 10 Expansion - Chaska Creek Phase		
04751 - 2016 Roadway Expansion		

Primary Contact

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What Grant Programs are you most interested in?	Regional Solicitation - Roadways Including Multimodal Elements		g Multimodal	

Organization Information

Name:

Jurisdictional Agency (if different):			
Organization Type:	County Government		
Organization Website:			
Address:	PUBLIC WORKS		
	11360 HWY 212 W #1		
*	COLOGNE	Minnesota	55322-9133
	City	State/Province	Postal Code/Zip
County:	Carver		
Phone:*			
		Ext.	
Fax:			
PeopleSoft Vendor Number	0000026790A12		

Project Information

 Project Name
 CSAH 10 Expansion - Chaska Creek Phase

 Primary County where the Project is Located
 Carver

 Jurisdictional Agency (If Different than the Applicant):
 Carver

Brief Project Description (Limit 2,800 characters; approximately 400 words)

The proposed project will expand County State-Aid Highway (CSAH) 10, for approximately 0.7 miles in eastern Carver County, including both Laketown Township and the City of Chaska. Please see Figure 1 for a map of the project area. This segment of road is currently a two-lane undivided A Minor Arterial Expander corridor which will undergo expansion to a four-lane divided urban roadway. The project will also include paved shoulders, curb and gutter, stormwater treatment ponds, and the completion of a paved multiuse trail on the north side of the roadway. In addition to replacement of a temporary signal at the CSAH 10/CSAH 11 intersection.

This segment of CSAH 10 is unique in that it provides a vital east-west connection throughout Carver County. The project is located adjacent to TH 212 (Principal Arterial) interregional freight and commuter corridor serving the Twin Cities Metropolitan Area. Travel demand on CSAH 10 will continue to increase as the City of Chaska develops its planned southwest growth area. This growth area is directly connected to the eastern terminus of the project and surrounding the TH 212 corridor. The southwest growth area will incorporate industrial and commercial parks, neighborhood commercial nodes, and mixed-use residential development on 1,800 acres in the next 15 years. Thus, the 2030 Carver County Transportation Plan identifies a significant mobility need to increase capacity on east-west roadway corridors. An expansion of the CSAH 10 corridor is crucial to meet the forecasted growth of 40,000 vehicles per day by 2040.

Construction of the CSAH 10 trail will make a crucial stride in meeting an identified need for cross-county bicycle and pedestrian linkages to the City of Chaska and future regional trails. The CSAH

10 trail corridor will extend east for 0.4 miles beyond the roadway extension limits connecting directly to a robust network of existing trails and sidewalks throughout the City of Chaska (see Figure 1). An extension of the CSAH 10 Trail corridor to the west of the project area is also planned. Two future regional trail corridors, the SWLRT Connection Trail and the Twin Cities and Western Regional Trail, will also directly connect to the proposed CSAH 10 Trail corridor. These connections will immensely improve regional travel opportunities for Carver County trail users by extending connectivity to the area's vast system of regional and state trails, increasing access to the planned southwest growth area.

Include location, road name/functional class, type of improvement, etc.

<u>TIP Description Guidance</u> (will be used in TIP if the project is selected for funding) Project Length (Miles) CSAH 10, CARVER COUNTY, FROM W CSAH 11 TO CLOVER RIDGE DRIVE, 1.1 MILES, EXPANSION

1.1

Project Funding

Are you applying for funds from another source(s) to implement this project?	No
If yes, please identify the source(s)	
Federal Amount	\$7,000,000.00
Match Amount	\$3,024,000.00
Minimum of 20% of project total	
Project Total	\$10,024,000.00
Match Percentage	30.17%
Minimum of 20% Compute the match percentage by dividing the match amount by the project tota	I
Source of Match Funds	Carver County, City of Chaska
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:	2021
For TDM projects, select 2018 or 2019. For Roadway, Transit, or Trail/Pedestrial	n projects, select 2020 or 2021.
Additional Program Years:	2019

Project Information: Roadway Projects

County, City, or Lead Agency	Carver County
Functional Class of Road	"A" Minor Arterial Expander
Road System	CSAH
TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET	
Road/Route No.	10
i.e., 53 for CSAH 53	
Name of Road	Engler Blvd.
Example; 1st ST., MAIN AVE	
Zip Code where Majority of Work is Being Performed	55318
(Approximate) Begin Construction Date	04/01/2021
(Approximate) End Construction Date	06/30/2022
TERMINI:(Termini listed must be within 0.3 miles of any we	ork)
From: (Intersection or Address)	West of CSAH 11
To: (Intersection or Address)	Clover Ridge Drive
DO NOT INCLUDE LEGAL DESCRIPTION	
Or At	
Primary Types of Work	Grading, Storm Sewer, Ponding, Traffic Control, Striping, Signals, Bituminous Bicycle Path, Pedestrian Ramps
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):	

Specific Roadway Elements

CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost
Mobilization (approx. 5% of total cost)	\$550,000.00
Removals (approx. 5% of total cost)	\$500,000.00

Roadway (grading, borrow, etc.)	\$1,760,000.00
Roadway (aggregates and paving)	\$2,520,000.00
Subgrade Correction (muck)	\$440,000.00
Storm Sewer	\$2,625,000.00
Ponds	\$165,000.00
Concrete Items (curb & gutter, sidewalks, median barriers)	\$770,000.00
Traffic Control	\$105,000.00
Striping	\$50,000.00
Signing	\$50,000.00
Lighting	\$0.00
Turf - Erosion & Landscaping	\$105,000.00
Bridge	\$0.00
Retaining Walls	\$0.00
Noise Wall (do not include in cost effectiveness measure)	\$0.00
Traffic Signals	\$250,000.00
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	\$9,890,000.00

Specific Bicycle and Pedestrian Elements

CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost	
Path/Trail Construction	\$125,000.00	
Sidewalk Construction	\$0.00	
On-Street Bicycle Facility Construction	\$0.00	
Right-of-Way	\$0.00	
Pedestrian Curb Ramps (ADA)	\$9,000.00	
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	

Totals

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
Substotal	\$0.00
Other Costs - Administration, Overhead, etc.	\$0.00

Totals	
Total Cost	\$10,024,000.00
Construction Cost Total	\$10,024,000.00
Transit Operating Cost Total	\$0.00

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, the 2040 Regional Parks Policy Plan (2015), 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 objectives and strategies that relate to the project.

Goal B: Safety and Security - The regional transportation system is safe and secure for all users

Objectives: Reduce crashes and improve safety and security for all modes of passenger travel and freight transport

Strategies: Regional transportation partners will use best practice to provide and improve facilities for safe walking and bicycling, since pedestrians and bicyclists are the most vulnerable users of the transportation system Page 2.7, Table 2-1

Goal C: Access to Destinations - People and businesses prosper by using a reliable, affordable, and efficient multimodal transportation system that connects them to destinations throughout the region and beyond

Objectives: Increase the availability of multimodal travel options, especially in congested highway corridors

Strategies: C1. Regional transportation partners will continue to work together to plan and implement transportation systems that are multimodal and provide connections between modes. The Council will prioritize regional projects that are multimodal and cost-effective and encourage investments to include appropriate provisions for bicycle and pedestrian travel.

Strategies: C9. The Council will support investments in A-minor arterials that build, manage, or improve the system's ability to supplement the capacity of the principal arterial system and support access to the region?s job, activity, and industrial and manufacturing concentrations.

List the goals, objectives, strategies, and associated pages:

Strategies: C15. Regional transportation partners should focus investments on completing Priority Regional Bicycle Transportation Corridors and on improving the larger Regional Bicycle Transportation Network. Pages 2.8-2.10, Table 2-1

Goal F: Leveraging Transportation Investment to Guide Land Use

Objectives: Encourage local land use design that integrates highways, streets, transit, walking, and bicycling.

Strategies: F7. Local Governments should include bicycle and pedestrian elements in local comprehensive plans. Pages 2.14-2.15, Table 2-1

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:

Carver County 2030 Transportation Plan (Page 7, Financial Plan) and Carver County 2030 Trail System Plan (Page 34, Figure 6.8)

4. The project must exclude costs for studies, preliminary engineering, design, or construction engineering. Right-of-way costs are only eligible as part of bicycle/pedestrian projects, 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 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.

Roadway Expansion: \$1,000,000 to \$7,000,000

Roadway Reconstruction/ Modernization: \$1,000,000 to \$7,000,000

Roadway System Management \$250,000 to \$7,000,000

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.

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

9. The project must be accessible and open to the general public.

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

10. The owner/operator of the facility must operate and maintain the project for the useful life of the improvement.

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

11. 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

12. 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

13. 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 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 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 <u>are exclusively</u> 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.

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 sufficiency rating less than 80 for rehabilitation projects and less than 50 for replacement projects. Additionally, the bridge must also be classified as structurally deficient or functionally obsolete.

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

Requirements - Roadways Including Multimodal Elements

Expander/Augmentor/Non-Freeway Principal Arterial

Select one:	Expander
Area	3.364
Project Length	1.1
Average Distance	3.0582
Upload Map	1467837349291_Roadway Area Definition Map.pdf

Reliever: Relieves a Principle Arterial that is a Freeway Facility

Facility being relieved

Number of hours per day volume exceeds capacity (based on the Congestion Report) 0

Reliever: Relives a Principle Arterial that is a Non-Freeway Facility

Facility being relieved

Number of hours per day volume exceeds capacity (based on the table below) 0

Non-Freeway Facility Volume/Capacity Table

Hour	NB/EB Volume	SB/WB Volume	Capacity	Volume exceeds capacity	
12:00am - 1:00am			0		
1:00am - 2:00am			0		
2:00am - 3:00am			0		
3:00am - 4:00am			0		

4:00am - 5:00am	0
5:00am - 6:00am	0
6:00am - 7:00am	0
7:00am - 8:00am	0
8:00am - 9:00am	0
9:00am - 10:00am	0
10:00am - 11:00am	0
11:00am - 12:00pm	0
12:00pm - 1:00pm	0
1:00pm - 2:00pm	0
2:00pm - 3:00pm	0
3:00pm - 4:00pm	0
4:00pm - 5:00pm	0
5:00pm - 6:00pm	0
6:00pm - 7:00pm	0
7:00pm - 8:00pm	0
8:00pm - 9:00pm	0
9:00pm - 10:00pm	0
10:00pm - 11:00pm	0
11:00pm - 12:00am	0

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

Existing Employment within 1 Mile:	870
Existing Manufacturing/Distribution-Related Employment within 1 Mile:	31
Existing Students:	0
Upload Map	1467837394292_Regional Economy Map.pdf

Measure C: Current Heavy Commercial Traffic

Location:	CSAH 10 East of CSAH 11
Current daily heavy commercial traffic volume:	200
Date heavy commercial count taken:	2015

Measure D: Freight Elements

The CSAH 10 project will provide additional accommodations to freight throughout the project area limits. Because CSAH 10 is such a vital east-west connector throughout Carver County, the ability to incorporate freight connections to larger principal arterials (TH 212) and regional connection points is crucial to the success of a robust freight network.

The proposed project will include paved shoulders to the expanded four-lane divided roadway. By implementing paved shoulders, the freight network traveling on CSAH 10 will have additional amenities to make travel more feasible and accessible along the project corridor. With a Heavy Commercial Average Annual Daily Traffic (HCAADT) count of 200, this number is expected to increase through the implementation of the adjacent southwest growth area and connection to TH 212 interregional freight corridor serving the Twin Cities Metropolitan Area.

This expansion project would include 12-14 foot travel lane widths, which are recommended widths for larger vehicles, to facilitate the movement of freight more effectively and efficiently throughout the corridor. There are many key freight outlets located along the CSAH 10 corridor which will benefit from these roadway improvements. UFC Farm Supply in Waconia, MN, uses CSAH 10 for freight connection to TH 212. These improvements will transform CSAH 10 into an urbanized freight corridor.

Measure A: Current Daily Person Throughput

Location	CSAH 10 East of CSAH 11
Current AADT Volume	12200
Existing Transit Routes on the Project	N/A

Response (Limit 1,400 characters; approximately 200 words)

Upload Transit Map

1467837933045_Transit Connections Map.pdf

Response: Current Daily Person Throughput						
Average Annual Daily Transit Ridership	0					
Current Daily Person Throughput	15860.0					
Measure B: 2040 Forecast ADT						
Use Metropolitan Council model to determine forecast (2040) ADT volume	No					
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	Approved Met Council Carver County Travel Demand Model					
Forecast (2040) ADT volume	40000					

Measure A: Project Location and Impact to Disadvantaged Populations

Select one:

Project located in Area of Concentrated Poverty with 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: Yes

The CSAH 10 expansion will improve travel times and economic efficiencies for commuter and freight travel on the corridor, both of which support the health and growth of eastern Carver County's local economy and provide opportunities for job growth and stability for low-income households (6%) and minority populations (13%) living near the project. The direct connection to TH 212 will also enable efficient connections to job concentrations and manufacturing centers in and near Minneapolis and Saint Paul for these disadvantaged population groups.

The multiuse trail facility included in the proposed project will increase livability around the project area and improve access, local and regional connectivity, transportation choice, and recreational opportunities for all populations living in proximity to the project, including the above county average elderly (8%) and children (31%) populations. The CSAH 10 roadway expansion project also integrates ADA intersection improvements, which will enable safe travel for these population groups, as well as individuals with disabilities (6%), traveling across the corridor.

Right-of-way acquisition will not result in displacement or full takings from property owners. Project construction will incorporate proper noise, dust, and traffic mitigation and will not negatively impact the aforementioned disadvantaged populations present in the project area.

The response should address the benefits, impacts, and mitigation for the populations affected by the project.

Upload Map

1467902633218_Socio-Economic Conditions Map.pdf

Measure B: Affordable Housing

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

City/Township	Segment Length in Miles (Population)
Laketown Township	0.53
Chaska	0.57
	1
Total Project Length	

Total	Project	Length	(Total	Population)	
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1.1

Affordable Housing Scoring - To Be Completed By Metropolitan Council Staff

City/Township	Segment Length (Miles)	Total Length (Miles)	Score		Segment Length/Total Length	Housing Score Multiplied by Segment percent	
		0		0	0	0	

Affordable Housing Scoring - To Be Completed By Metropolitan Council Staff

Total Project Length (Miles)	1.1
Total Housing Score	0

Measure A: Infrastructure Age

Year of Original Roadway Construction or Most Recent Reconstruction	Segment Length	Calculation	Calculation 2	
1999.0	0.72	1439.28	1999.0	
	1	1439	1999	
Average Construct	tion Year	1999.0		
-		1999.0		

Total Peak Hour Delay Per Vehicle Without The Project	Total Peak Hour Delay Per Vehicle With The Project	Total Peak Hour Delay Per Vehicle Reduced by Project	Volume (Vehicles Per Hour)	Total Peak Hour Delay Reduced by the Project (Seconds)	EXPLANATIO N of methodology used to calculate railroad crossing delay, if applicable:	Synchro or HCM Reports
25.0	12.0	13.0	1835.0	23855.0		14678384162 94_Syncro Reports.pdf

Measure A: Vehicle Delay Reduction

Total Delay

Total	Peak	Hour	Delay	Reduced
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23855.0

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

Total (CO, NOX, and VOC) Peak Hour Emissions Per Vehicle without the Project (Kilograms):	Total (CO, NOX, and VOC) Peak Hour Emissions Per Vehicle with the Project (Kilograms):	Total (CO, NOX, and VOC) Peak Hour Emissions Reduced Per Vehicle by the Project (Kilograms):	Volume (Vehicles Per Hour):	Total (CO, NOX, and VOC) Peak Hour Emissions Reduced by the Project (Kilograms):	
2.65	2.1	0.55	1835.0	1009.25	
3	2		1835	1009	
Total					
Total Emissions Reduced:		1009.25			
Upload Synchro Report		1468419173612_Syncro Reports.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) Peak Hour Emissions Per Vehicle without the Project (Kilograms):	Total (CO, NOX, and VOC) Peak Hour Emissions Per Vehicle with the Project (Kilograms):	and VOC) Peak Hour Emissions Reduced Per Vehicle by the Project (Kilograms):	Volume (Vehicles Per Hour):	Total (CO, NOX, and VOC) Peak Hour Emissions Reduced by the Project (Kilograms):	
0	0		0	()

0

Total Parallel Roadways

Emissions Reduced on Parallel Roadways

Upload Synchro Report

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):	0
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:	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:	0
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 Project (Kilograms):	0
EXPLANATION of methodology and assumptions used:(Limit 1,400 characters; approximately 200 words)	

Measure A: Benefit of Crash Reduction

	CR1=Increase Number of Lanes
	CR2=Install a raised median
	CR=1 - (1-CR1)*(1-CR2)
	Other Crashes: CR=1 - (131)*(139) = .58
	Head On: CR=1 - (153)*(139) = .71
	ROR (injury): CR = 1 - (144)*(139) = .65
Crash Modification Factor Used:	ROR (PDO): CR = 1 - (150)*(139) = .70
	Right Angle: CR=1 - (145)*(139) = .66
	Left-Turn: CR=1 - (171)*(139) = .82
	Rear End: CR=1 - (153)*(139) = .71
	Sideswipe (all): CR=1 - (144)*(139) = .66
	Sideswipe (PDO): CR=1 - (164)*(139) = .78
	See attachment for more information.

(Limit 700 Characters; approximately 100 words)

Rationale for Crash Modification Selected:	Improvements include a 2 lane to 4 lane conversion and installing a median. The intersection of CSAH 11/CSAH 10 adds a NBR, creates a dual EBL and SBL, and switches to protected only phasing to EBL and SBL. Determined that the two factors below give best result for B/C.	
(Limit 1400 Characters; approximately 200 words)		
Project Benefit (\$) from B/C Ratio:	4849965.0	
Worksheet Attachment	1467841052089_CSAH 10 Crash Complete.pdf	

Roadway projects that include railroad grade-separation elements:

Current AADT volume:	12200.0
Average daily trains:	0
Crash Risk Exposure eliminated:	0

Measure A: Multimodal Elements and Existing Connections

The proposed CSAH 10 expansion project includes the construction of a paved multiuse trail, located in the right-of-way immediately north of the roadway. To fill a regional gap, the trail will extend east of the roadway expansion termini for 0.3 miles to connect into existing trails and sidewalks at Clover Ridge Drive in the City of Chaska. The trail will be available to bicyclists, pedestrians, and other nonmotorized recreational users. 2040 forecasted volumes on the CSAH 10 corridor (40,000 ADT), which will serve as a critical thoroughfare for travel into and out of the planned southwest growth area of Chaska, preclude the safe operation of on-road bicycle facilities. A separate roadway and trail facility is optimal for all users to avoid collisions between modes and protect the safety of nonmotorized travelers and drivers. This separated multiuse facility is also supported by the Carver County Trail System Plan.

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

Several planned multiuse trails directly connect to the CSAH 10 roadway expansion and trail (see attached Figure 1). An extension of the CSAH 10 Trail corridor to the west of the project area is planned and identified in the 2030 Carver County Trails System Plan. Within the Trails System Plan, this full corridor is identified as a significant bicycle link for safe and efficient travel throughout Carver County. The proposed CSAH 10 will directly connect to a robust network of existing trails and sidewalks throughout the City of Chaska at Clover Ridge Drive.

Two future regional trail corridors will directly connect to the CSAH 10 Trail corridor: the SWLRT Connection Trail, and the Twin Cities and Western Regional Trail. These connections will immensely improve regional travel opportunities for Carver County trail users by extending connectivity to the

area's vast system of regional and state trails, including the Minnesota River Bluffs LRT Trail, which connects eastern Chaska to the City of Hopkins. The SWLRT Connection Trail will increase access to the planned southwest growth area in the City of Chaska for commuters traveling to the future commercial office parks and mixeduse commercial developments. Residents of the mixed-use residential development in the growth area will also benefit from access to these regional trails west of Chaska.

There are no existing transit service routes on the CSAH 10 (Engler Boulevard) corridor. However, SouthWest Transit provides express bus service to Minneapolis, St. Paul, the University of Minnesota, and the Mall of America via routes 695, 698, and 699 at the Clover Fields Park and Ride facility and the East Creek Transit Station. Both transit facilities are located in developed areas of Chaska immediately east of the proposed project (1.5 miles).

Transit Projects Not Requiring Construction

If the applicant is completing a transit or TDM 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

1)Project Scope (5 Percent of Points) Meetings or contacts with stakeholders have occurred 100% Stakeholders have been identified

Yes

40%

Stakeholders have not been identified or contacted

0% 2)Layout or Preliminary Plan (5 Percent of Points) Layout or Preliminary Plan completed Yes 100% Layout or Preliminary Plan started 50% Layout or Preliminary Plan has not been started 0% Anticipated date or date of completion 3)Environmental Documentation (5 Percent of Points) EIS EA PM Yes **Document Status:** Document approved (include copy of signed cover sheet) 100% Document submitted to State Aid for review 75% date submitted Document in progress; environmental impacts identified; review request letters sent 50% **Document not started** Yes 0% Anticipated date or date of completion/approval 10/01/2020 4) Review of Section 106 Historic Resources (10 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% Historic/archeological review under way; determination of no historic properties affected or no adverse effect anticipated 80% Historic/archaeological review under way; determination of adverse effect anticipated 40% Unsure if there are any historic/archaeological resources in the project area 0% Anticipated date or date of completion of historic/archeological 10/01/2020 review:

Project is located on an identified historic bridge

5)Review of Section 4f/6f Resources (10 Percent of Points)

4(f) Does the project impacts any public parks, public wildlife refuges, public golf courses, wild & scenic rivers or public private historic properties?6(f) Does the project impact any public parks, public wildlife refuges, public golf courses, wild & scenic rivers or historic property that was purchased or improved with federal funds?

No Section 4f/6f resources located in the project area

Yes

Yes

100%

No impact to 4f property. The project is an independent bikeway/walkway project covered by the bikeway/walkway Negative Declaration statement; letter of support received

100%

Section 4f resources present within the project area, but no known adverse effects

80%

Project impacts to Section 4f/6f resources likely coordination/documentation has begun

50%

Project impacts to Section 4f/6f resources likely coordination/documentation has not begun

30%

Unsure if there are any impacts to Section 4f/6f resources in the project area

0%

6)Right-of-Way (15 Percent of Points)

Right-of-way, permanent or temporary easements not required

100%

Right-of-way, permanent or temporary easements has/have been acquired

100%

Right-of-way, permanent or temporary easements required, offers made

75%

Right-of-way, permanent or temporary easements required, appraisals made

50%

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

25%

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

0%

Right-of-way, permanent or temporary easements identification has not been completed

0%	
Anticipated date or date of acquisition	01/01/2021
7)Railroad Involvement (25 Percent of Points)	
No railroad involvement on project	Yes
100%	
Railroad Right-of-Way Agreement is executed (include signature page)	100%
Railroad Right-of-Way Agreement required; Agreement has been initiated	
60%	
Railroad Right-of-Way Agreement required; negotiations have begun	
40%	
Railroad Right-of-Way Agreement required; negotiations not begun	
0%	
Anticipated date or date of executed Agreement	
8)Interchange Approval (15 Percent of Points)*	
*Please contact Karen Scheffing at MnDOT (Karen.Scheffing@state.mi to determine if your project needs to go through the Metropolitan Count Interchange Request Committee.	
Project does not involve construction of a new/expanded interchange or new interchange ramps	Yes
100%	
Interchange project has been approved by the Metropolitan Council/MnDOT Highway Interchange Request Committee	
100%	
Interchange project has not been approved by the Metropolitan Council/MnDOT Highway Interchange Request Committee	
0%	
9)Construction Documents/Plan (10 Percent of Points)	
Construction plans completed/approved (include signed title sheet)	
100%	
Construction plans submitted to State Aid for review	
75%	
Construction plans in progress; at least 30% completion	
50%	

Construction plans have not been started

0%		
Anticipated date or date of completion	10/01/2020	
10)Letting		
Anticipated Letting Date	02/01/2021	

Measure A: Cost Effectiveness

Total Project Cost (entered in Project Cost Form):	\$10,024,000.00
Enter Amount of the Noise Walls:	\$0.00
Total Project Cost subtract the amount of the noise walls:	\$10,024,000.00
Points Awarded in Previous Criteria	
Cost Effectiveness	\$0.00

Other Attachments

File Name	Description	File Size
CSAH 10 Layout.pdf	CSAH 10 Layout	5.3 MB
CSAH10 Chaska Resolution.pdf	City of Chaska Resolution	51 KB
Figure1 CSAH10 Expansion.pdf	Figure 1	573 KB









Direction	All	
Future Volume (vph)	1835	
Total Delay / Veh (s/v)	25	
CO Emissions (kg)	1.86	
NOx Emissions (kg)	0.36	
VOC Emissions (kg)	0.43	

Direction	All	
Future Volume (vph)	1835	
Total Delay / Veh (s/v)	12	
CO Emissions (kg)	1.47	
NOx Emissions (kg)	0.29	
VOC Emissions (kg)	0.34	

Direction	All	
Future Volume (vph)	1835	
Total Delay / Veh (s/v)	25	
CO Emissions (kg)	1.86	
NOx Emissions (kg)	0.36	
VOC Emissions (kg)	0.43	

Direction	All	
Future Volume (vph)	1835	
Total Delay / Veh (s/v)	12	
CO Emissions (kg)	1.47	
NOx Emissions (kg)	0.29	
VOC Emissions (kg)	0.34	

Carver County Regional Solicitation Existing PM Peak Hour

	,								
	¥		-	÷	1	_ \$ ►	•	1	
Phase Number	1	2	3	4	5	6	7	8	
Movement	SBL	NBTL	WBL	EBTL	NBL	SBTL	EBL	WBTL	
Lead/Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	
Lead-Lag Optimize	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Recall Mode	Max	Max	Max	Max	Max	Max	Max	Max	
Maximum Split (s)	8	20	8	44	8	20	8	44	
Maximum Split (%)	10.0%	25.0%	10.0%	55.0%	10.0%	25.0%	10.0%	55.0%	
Minimum Split (s)	8	20	8	20	8	20	8	20	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	
All-Red Time (s)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Minimum Initial (s)	4	4	4	4	4	4	4	4	
Vehicle Extension (s)	3	3	3	3	3	3	3	3	
Minimum Gap (s)	3	3	3	3	3	3	3	3	
Time Before Reduce (s)	0	0	0	0	0	0	0	0	
Time To Reduce (s)	0	0	0	0	0	0	0	0	
Walk Time (s)		5		5		5		5	
Flash Dont Walk (s)		11		11		11		11	
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes	
Inhibit Max	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Start Time (s)	0	8	28	36	0	8	28	36	
End Time (s)	8	28	36	0	8	28	36	0	
Yield/Force Off (s)	4	24	32	76	4	24	32	76	
Yield/Force Off 170(s)	4	13	32	65	4	13	32	65	
Local Start Time (s)	72	0	20	28	72	0	20	28	
Local Yield (s)	76	16	24	68	76	16	24	68	
Local Yield 170(s)	76	5	24	57	76	5	24	57	
Intersection Summary									
Cycle Length			80						
Control Type		F	Pretimed						
			00						

Natural Cycle Offset: 8 (10%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Splits and Phases: 3: CSAH 11 & CSAH 10

Ø1	Ø2 (R)	√ Ø3	↓ ₀₄
8 s	20 s	8 s	44 s
1 Ø5	Ø6 (R)		Ø8
8 s	20 s	8 s	44 s

80

Carver County Regional Solicitation Improved PM Peak Hour

	1		4	+	•	4	≯	+	
Phase Number	1	2	3	4	5	6	7	8	
Movement	SBL	NBTL	WBL	EBT	NBL	SBT	EBL	WBTL	
Lead/Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	
Lead-Lag Optimize	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Recall Mode	None	Min	None	None	None	Min	None	None	
Maximum Split (s)	8	20	8	24	8	20	8	24	
Maximum Split (%)	13.3%	33.3%	13.3%	40.0%	13.3%	33.3%	13.3%	40.0%	
Minimum Split (s)	8	20	8	20	8	20	8	20	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	
All-Red Time (s)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Minimum Initial (s)	4	4	4	4	4	4	4	4	
Vehicle Extension (s)	3	3	3	3	3	3	3	3	
Minimum Gap (s)	3	3	3	3	3	3	3	3	
Time Before Reduce (s)	0	0	0	0	0	0	0	0	
Time To Reduce (s)	0	0	0	0	0	0	0	0	
Walk Time (s)		5		5		5		5	
Flash Dont Walk (s)		11		11		11		11	
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes	
Inhibit Max	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Start Time (s)	0	8	28	36	0	8	28	36	
End Time (s)	8	28	36	0	8	28	36	0	
Yield/Force Off (s)	4	24	32	56	4	24	32	56	
Yield/Force Off 170(s)	4	24	32	45	4	24	32	45	
Local Start Time (s)	52	0	20	28	52	0	20	28	
Local Yield (s)	56	16	24	48	56	16	24	48	
Local Yield 170(s)	56	16	24	37	56	16	24	37	
Intersection Summary									
Cycle Length			60						
Control Type	Actuate	ed-Uncool							
Natural Cycle			60						
Splits and Phases: 3: CS/	AH 11 & C	SVI 10							
	ANTIAU				_				

Ø1	↑ _{Ø2}	√ Ø3	<u>→</u> Ø4										
8 s	20 s	8 s	24 s										
Ø 5	♦ Ø6		₩ ♥ Ø8										
8 s	20 s	8 s	24 s										
				-									
--	----------------------	-------	-----------------------	-------------------	-------------------------------	------------------	--	--------------------------------	-----------------------	------------------------------	--	---------------------------	----------------------
HS			Control Section	T.H. / Roadway		Location			Beginning Ref. Pt.	Ending Ref. Pt.	State, County, City or Township	Study Period Begins	Study Period Ends
works	snee	C		CSAH 10	From West Creek	Rd to wes	st of CSAH 11	l			Chaska	1/1/2013	12/31/2015
			Descripti Proposed		Convert from 2 to	4 lane fac	vility install a	median					
Accid			1 Rear End		2 Sideswipe Same Direction			5 Right Angle		8, 9 Head On/ Sideswipe -		6, 90, 99	
					→	ſ				Opposite Direction	Pedestrian	Other	Total
	Fatal	F											
	y (PI)	Α						1					1
Study Period:	Personal Injury (PI)	В								2			2
Number of Crashes	Person	С					1		2				3
	Property Damage	PD		2	2			1	1			1	7
% Change	Fatal	F											
in Crashes		Α						-66%					
	PI	В								-71%			
<u>*Use Crash</u> Modification Factors		С					-82%		-65%				
<u>Clearinghouse</u>	Property Damage	PD		-71%	-78%			-66%	-70%			-58%	
	Fatal	F											
		Α						-0.66					-0.66
Change in Crashes	PI	В								-1.42			-1.42
= No. of		С					-0.82		-1.30				-2.12
crashes X % change in crashes	Property Damage	PD		-1.42	-1.56			-0.66	-0.70			-0.58	-4.92
Year (Safety I	Improv	emen	t Construct	tion)	2020								
Project Cost	(exclu	de Ri	ght of Way	')	\$ 10,024,000	Type of Crash	Study Period: Change in Crashes	Annual Change in Crashes	Cost per Crash	Annual Benefit		B/C=	0.48

TOJECT COST (Exclude Right of Way)	\$ 10,024,000	Crash	Clashes	Crashes	Crash	Denem			
Right of Way Costs (optional)		F			\$ 1,400,000		Using present	worth	h values,
Traffic Growth Factor	3%	Α	-0.66	-0.22	\$ 570,000	\$ 125,515	B =	\$	4,849,965
Capital Recovery		В	-1.42	-0.47	\$ 170,000	\$ 80,540	C=	\$	10,024,000
1. Discount Rate	4.5%	С	-2.12	-0.71	\$ 83,000	\$ 58,707	See "Calculat	ions"	sheet for amortization.
2. Project Service Life (n)	20	PD	-4.92	-1.64	\$ 7,600	\$ 12,475			
		Total					Office of Tra	ffic, S	Safety and
		IUtal				\$ 277,237	Technology		September 2014

1	Coun	termea	asure: Install ra	ised media	n			
	CMF	CRF(%	%) Quality	Crash Type	Crash Severity	Area Type	Reference	Comments
	0.61	39	****	All	All		Schultz et al., 2011	
•								
	0.56	44	****	All	Fatal,Serious injury		Schultz et al., 2011	
•								
	0.29	70.77	****	All	All	Urban	Schultz et al., 2008	
•								
	0.45	55.43	****	Angle	All	Urban	Schultz et al., 2008	
•								
	0.86	14	***	All	All	Urban	Yanmaz- Tuzel and Ozbay, 2010	

Desktop Reference for Crash Reduction Factors

Roadway Departure Crashes

•							Effectiven		<u> </u>		
Countermeasure(s)	Crash Type	Crash Severity	Area Type	Road Type	Daily Traffic Volume (veh/day)	Ref	Crash Reduction Factor / Function	Std Error	Range Low High	Study Type	
Flatten side slopes and remove guardrail	All	All	All	All		27	42	58		EB Before- After	
	All	All	Rural	All		21	0		Expert Panel		
Improve curve superelevation	All	All	Rural			21	and 0.02	superelevation deficiency between 0.01 0.02			
Superelevation	All	All	Rural			21	100(1-(1.06+3(SD-0.02))) SD=superelevation deficie 0.02				
Improve gore area	All	All				15	25				
Improve gore area	All	All	All	All		1	25				
	All	All				15	58				
Improve horizontal and	All	All	All	All		1	50				
vertical alignments	All	All				15	50				
vortiour ungrintorito	All	All				15	50				
	All	All				15	73				
	All	All				15	49				
	All	All	All	All		1	40				
Improve longitudinal	All	All				15	40				
grade	All	All				15	57				
5	All	Fatal/ Injury				15	87				
	All	PDO				15	83				
	All	All				15	40				
Improve superelevation	All	All				1	40				
	ROR	All				15	50				
Improve superelevation	All	All				15	45				
(for drainage)	All	All				15	40				
	All	All				15	49				
	All	All			<5,000/lane	15	20				
Increase number of	All	All			>5,000/lane	15	(31)				
lanes	All	All				15	10				
	All	All				15	20				
	All	All				15	22				

Desktop Reference for Crash Reduction Factors

Roadway Departure Crashes

							Effectiven			•	
Countermeasure(s)	Crash Type	Crash Severity	Area Type Road Typ		Daily Traffic Volume (veh/day)	Ref	Crash Reduction Factor / Function	Std Error		nge	Study Type
					(_	Low	High	
	All	All				15	25				
	All	All				15	25				
	All	All				15	25				
	All	Fatal				15	39				
	All	Injury				15	23				
	All	PDO				15	27				
	Head-on	All			<5,000/lane	15	38				
	Head-on	All			>5,000/lane	15	44 (53)				
	Head-on	All				15	(53)				
	Head-on	All				15	53				
	Head-on	PDO				15	50				
	Left-turn	All				15	(71)				
	Left-turn	PDO				15	67				
	ROR	All				15	(44)				
	ROR	All				15	26				
	ROR	All				15	44				
	ROR	All				15	44				
Increase number of	ROR	PDO				15	(50)				
lanes (cont'd)	Overturn	All			<5,000/lane	15	42				
	Overturn	All			>5,000/lane	15	52				
	Rear-end	All			<5,000/lane	15	42				
	Rear-end	All			>5,000/lane	15	52				
	Rear-end	All				15	32				
	Rear-end	All				15	32				
	Rear-end	All				15	40				
	Rear-end	All				15	53				
	Rear-end	PDO				15	53				
	Right- angle	All			<5,000/lane	15	35				
	Right- angle	All			>5,000/lane	15	45				
	Right- angle	All				15	15				
	Right- angle	PDO				15	46				
	Sideswipe	All			<5,000/lane	15	38				

Desktop Reference for Crash Reduction Factors

Roadway Departure Crashes

							Effectiven			-	
Countermeasure(s)	Crash Type	Crash Severity	Area Type	Road Type	Daily Traffic Volume (veh/day)	Ref	Crash Reduction Factor / Function	Std Error		nge High	Study Type
	Sideswipe	All			>5,000/lane	15	(44)			- ngr	
	Sideswipe	All			e,eeenane	15	30				
Increase number of	Sideswipe	All				15	30				
lanes (cont'd)	Sideswipe	All				15	35				
	Sideswipe	PDO				15	64				
Increase vertical grade by 1%	All	All	Rural	2-lane		23	-1.6P; P=percent grade (a	absolut	e valu	e)	
,	All	All				15	26				
	All	All	All	All		1	10				
	All	All				15	10				
	All	All				15	10				
Install acceleration/	All	All				15	10				
deceleration lanes	All	All				15	25				
	All	All				15	75				
	Rear-end	All				15	75				
	Sideswipe	All				15	75				
	All	All				15	67				
Install channelized lane	All	PDO				15	62				
	Rear-end	All				15	93				
Install climbing lane (where large difference between car and truck speed)	All	Fatal/ Injury	Rural	2-lane		38	33				
Install passing/alimbing	All	All	All	All		1	20				
Install passing/climbing lane	All	Fatal/ Injury	Rural	2-lane		38	33				
Install shoulder	All	All				15	9				
	Head-on	Fatal/ Injury				15	50				
Install shoulder bus	Head-on	PDÓ				15	86				
lanes	Left-turn	Fatal/ Injury				15	42				
	Left-turn	PDO				15	57				

Dual CRF for CSAH 10 between CSAH 11 and West Creek Rd

Improvements include a 2 lane to 4 lane conversion and installing a median. The intersection of CSAH 11/CSAH 10 adds a NBR, creates a dual EBL and SBL, and switches to protected only phasing to EBL and SBL. Determined that the two factors below give best result for B/C.

CR1=Increase Number of Lanes CR2=Install a raised median

CR=1-(1-CR1)*(1-CR2)

Other Crashes: $CR=1 - (1-.31)^*(1-.39) = .58$ Head On: $CR=1 - (1-.53)^*(1-.39) = .71$ ROR (injury): $CR = 1 - (1-.44)^*(1-.39) = .65$ ROR (PDO): $CR = 1 - (1-.50)^*(1-.39) = .70$ Right Angle: $CR=1 - (1-.45)^*(1-.39) = .66$ Left-Turn: $CR=1 - (1-.71)^*(1-.39) = .82$ Rear End: $CR=1 - (1-.53)^*(1-.39) = .71$ Sideswipe (all): $CR=1 - (1-.44)^*(1-.39) = .66$ Sideswipe (PDO): $CR=1 - (1-.64)^*(1-.39) = .78$

CSAH 10 From CSAH 11 to Creek Rd. (2013 - 2015) - created on 06-17-2016 by rile1che Crash data is managed by the Mn/DOT Office of Traffic, Safety, and Operations.

SYS	NUM	REF_POINT	GIS_ROUTE	GIS_TM	RD_DIR	ELEM	RELY	INV	R_U
04	10000010	019+00.301	0410000010	19.301	Z		1	2	R
04	10000010	019+00.301	0410000010	19.301	E		1	2	R
04	10000010	019+00.301	0410000010	19.301	Z		1	2	R
04	10000010	019+00.301	0410000010	19.301	Ν		1	2	R
04	10000010	019+00.301	0410000010	19.301	E		1	2	R
04	10000010	019+00.651	0410000010	19.651	Z		2	2	R
04	10000010	019+00.301	0410000010	19.301	Z		1	2	R
04	10000010	019+00.301	0410000010	19.301	Z		1	2	R
04	10000010	019+00.310	0410000010	19.310	Z		1	2	R
04	10000010	019+00.551	0410000010	19.551	Z		2	2	R
04	10000010-	019+00.301	0410000010 -	19.301	Z	_	1	2	R
04	10000010	019+00.414	0410000010	19.414	Z		3	2	R
04	10000010	019+00.571	0410000010	19.571	Z		1	2	R
04	10000010-	019+00.301	0410000010 -	19.301	Z	_	2	2	R
04	10000010	019+00.751	0410000010	19.751	Z		1	2	R

ΑΤΡ	со	CITY	DOW	MONTH	DAY	YEAR
VEHICLE #2 WAS STOPPED AT THE INTERSECTION OF COUNTY ROAD 10 AND COUNTY ROAD 11 WAITING FOR TRAFFIC	10	0000	6-Fri	4	12	2013
D#1 STATED SHE WAS BEHIND V#2 WHEN D#1 LOOKED DOWN TO CHECK HER CELL PHONE. D#1 STATED THAT D#2 ST	10	0000	4-Wed	3	25	2015
UNIT #1 WAS EB, STOPPED AT THE TRAFFIC SIGNAL ON CO RD. 10 AT CO RD. 11. UNIT #1 HAD RED LIGHT. UNI	10	0000	7-Sat	12	20	2014
UNIT 1 WAS IN THE RIGHT HAND TURN LANE AND TURNING SOUTHBOUND ONTO CO RD. 11. UNIT 1 DRIVER DECIDE	10	0000	1-Sun	6	21	2015
UNIT 1 WAS TRAVELING EAST ON CO. RD. 10 THE DRIVER OF UNIT 1 LOST CONTROL OF THE VEHICLE A HALF MI	10	0000	4-Wed	9	16	2015
DRIVER OF VEH. #1 STATED SHE WAS SB ON COUNTY ROAD 10 AND BEGAN TO LOSE CONTROL OF THE REAR OF HER	10	0000	3-Tue	1	15	2013
VEH #1 WAS EB ON CO RD 10. VEH #2 WAS NB ON CO RD 11. DRIVER #1 STATED HE HAD A GREEN LIGHT, AND RE	10	0000	4-Wed	3	13	2013
VEHICLE #1 WAS TRAVELLING EAST ON CSAH #10 APPROACHING CSAH #11. VEHICLE #1 ENTERED LEFT TURN LANE	10	0000	4-Wed	2	25	2015
VEHICLE #1 EB ON CO RD 10. VEHICLE #1 DRIVING APPROX. 45 MPH. VEHICLE #1 BEGAN TO LOSE CONTROL ON	10	0000	5-Thu	4	17	2014
DRIVER OF VEH. #1 STATED SHE WAS EASTBOUND ON COUNTY ROAD 10 HEADING INTO CHASKA. SHE STATED SHE W/	10	0000	5-Thu	1	3	2013
VEHICLE 1 STRUCK A DEER WHILE TRAVELING EASTBOUND ON CO RD 11 AT THE INTERSECTION OF CO RD 10. NO I	10	0000	4 Wed	6	24	2015
VEHICLE 1 WAS DRIVING WESTBOUND ON CSAH 10. VEHICLE ONE TRAVELLED OVER CENTER LINE AND ENTERED THE	10	0000	2-Mon	10	13	2014
DRIVER OF VEHICLE 1 WAS NORTHBOUND ON CO RD 11. DRIVER OF VEHICLE 2 WAS SB ON CO RD 11. DRIVER OF V	10	0000	2-Mon	8	10	2015
VEHICLE #1 WAS TRAVELING EB ON COUNTY ROAD 10. VEHICLE #1 STRUCK A DEER WITH THE RIGHT FRONT FENDE	10	0000	6-Fri	5	16	2014
THE DRIVER OF VEHICLE 1 STATED SHE WAS HEADED WESTBOUND ON CO. RD. 10 WHEN SHE APPROACHED A VEHICLE	10	0000	1-Sun	3	17	2013

TIME	SEV	NUM_KILLED
1740	Ν	0
1246	Ν	0
1932	Ν	0
1200	Ν	0
1432	С	0
0854	Ν	0
1030	А	0
1041	Ν	0
0720	С	0
0853	С	0
0614	₽	θ
0745	В	0
1318	В	0
0530	N	θ
2008	Ν	0

NUM_VEH	JUNC	SL	TYPE	DIAG	LOC1	TCD	LIT	WTHR1	WTHR2	SURF	CHAR	DESGN	ACC_NUM
2	4	55	1	1	1	1	1	1	0	1	1	8	131030031
2	4	50	1	1	1	1	1	2	8	1	1	6	150840130
2	4	55	1	2	1	1	4	2	0	1	1	8	143550011
2	1	55	1	2	1	1	1	1	90	1	1	8	151730018
1	1	55	64	3	4	98	1	1	0	1	1	8	152600034
1	1	55	30	4	1	98	1	1	0	90	5	8	130150034
2	4	55	1	5	1	1	1	1	0	1	1	8	130730197
2	4	55	1	5	1	1	1	4	0	3	2	6	150560137
1	1	55	51	7	2	98	1	2	0	5	1	8	141070088
1	1	55	30	7	90	98	1	4	2	3	1	8	130030061
1	4	55	8	8	1	1	2	1	θ	1	1	8	151750092
2	1	55	1	8	1	98	1	2	0	1	1	8	142860082
2	1	50	1	8	1	98	1	1	0	1	5	8	152220123
1	1	55	8	90	1	98	2	2	θ	1	1	8	141360015
1	2	55	26	90	8	4	4	2	0	1	2	8	130760152

PERSON1				
VTYPE	DIR	ACT	FAC1	FAC2
1	7	1	15	0
4	3	1	15	15
1	3	1	15	5
1	3	1	1	1
1	3	1	15	0
1	5	1	46	0
32	1	1	1	0
3	5	1	1	0
3	3	1	46	0
3	3	1	61	46
1	3	1	1	θ
3	3	1	1	1
1	1	2	15	16
2	3	1	90	θ
3	7	1	1	0

						PERSON2									
POSN	INJ	EQP	PHYS	AGE	SEX	VTYPE	DIR	ACT	FAC1	FAC2	POSN	INJ	EQP	PHYS	AGE
1	Ν	4	1	48	F	3	7	11	1	0	1	Ν	4	1	30
1	Ν	4	1	58	F	1	3	11	1	1	1	Ν	4	1	57
1	Ν	4	1	21	Μ	2	3	11	1	0	1	Ν	4	1	56
1	Ν	4	1	25	F	3	3	14	2	12	1	Ν	4	1	63
1	С	4	1	28	Μ										
1	Ν	4	1	80	F										
1	С	4	1	48	Μ	3	3	1	5	0	1	А	4	1	36
1	Ν	4	1	53	Μ	1	3	1	61	46	1	Ν	4	1	19
1	С	4	1	35	F										
1	С	4	1	41	F										
1	N	4	1	83	÷										
1	С	4	1	27	Μ	1	7	1	6	0	1	В	4	1	18
1	В	4	1	16	Μ	31	5	1	1	0	1	В	4	1	66
1	N	4	1	30	M										
1	Ν	4	1	37	F										

	PERSON3			
SEX	VTYPE	DIR	ACT	FAC1
F				
F				
Μ				
Μ				
-				
F				
Μ				
Μ				
Μ				

							PERSON4								
FAC2	POSN	INJ	EQP	PHYS	AGE	SEX	VTYPE	DIR	ACT	FAC1	FAC2	POSN	INJ	EQP	PHYS

AGE	SEX





Carver County

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CITY OF CHASKA CARVER COUNTY, MINNESOTA

RESOLUTION

DATE JUNE 20, 2016 RESOLUTION NO. 16-40

MOTION BY COUNCILMEMBER BOE SECOND BY COUNCILMEMBER SCHULZ

A RESOLUTION ENDORSING CARVER COUNTY'S APPLICATION FOR FEDERAL FUNDING FOR CSAH 10 (ENGLER BOULEVARD) EXPANSION FROM CSAH 11 (VICTORIA DRIVE) TO WEST CREEK LANE

WHEREAS, County State Aid Highway (CSAH) 10 is an A Minor Expander from CSAH 11 to US 212 in the City of Chaska;

WHEREAS, the 2030 Carver County Road System Plan recognizes the need to improve transportation connections and operations in order to provide a safe and efficient transportation system that meets the anticipated future needs and demands;

WHEREAS, said transportation plan demonstrates the need to expand CSAH 10 from 2 lanes to 4 lanes;

WHEREAS, the City of Chaska and Carver County are working cooperatively to meet the future needs to CSAH 10 and adjacent highways and city streets;

WHEREAS, the expansion of CSAH 10 will create a highly accessible facility that will help reduce traffic congestion, improve reliability to the highway users, improve safety and enhance the economic vitality of the community;

NOW, THEREFORE, BE IT RESOLVED that the City of Chaska endorses Carver County's regional solicitation application submittal to the Metropolitan Council for federal funding for the CSAH 10 (Engler Boulevard) expansion from 2 lanes to 4 lanes from approximately CSAH 11 (Victoria Drive) to West Creek Lane; and,

BE IT FURTHER RESOLVED, that the City of Chaska agrees to financially participate with the County of Carver in providing the matching funds, consistent with the current cost participation policy, at such time that the project is awarded federal funds subject to agreement on the project details.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 20th day of June, 2016.

Mark Windschitl, Mayor

Chaska Depi



Project Limits