



Application

01968 - 2014 Roadway Reconstruction/Modernization

02156 - CSAH 86 from CSAH 23 to TH 3 in Dakota County MN

Regional Solicitation - Roadways Including Multimodal Elements

Status: Submitted  
Submitted Date: 12/01/2014 1:26 PM

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## Primary Contact

**Name:**\* Holly Jo Anderson  
Salutation First Name Middle Name Last Name

**Title:** P.E.S.

**Department:** Dakota County Transportation Dept

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**Address:** 14955 Galaxie Avenue

\* Apple Valley Minnesota 5514  
City State/Province Postal Code/Zip

**Phone:**\* 952-891-7090  
Phone Ext.

**Fax:**

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

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## Organization Information

**Name:** DAKOTA COUNTY

**Jurisdictional Agency (if different):**

**Organization Type:**

County Government

**Organization Website:**

**Address:**

TRANSPORTATION DEPT  
14955 GALAXIE AVE

\*

APPLE VALLEY      Minnesota      55124  
City                      State/Province              Postal Code/Zip

**County:**

Dakota

**Phone:\***

952-891-7100

Ext.

**Fax:**

**PeopleSoft Vendor Number**

0000002621A15

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## Project Information

**Project Name**

CSAH 86 from CSAH 23 to TH 3 in Dakota County

**Primary County where the Project is Located**

Dakota

**Jurisdictional Agency (If Different than the Applicant):**

Reconstruction of CSAH 86 (280th Street A-Minor Arterial) from the CSAH 23 (Foliage Ave)/CSAH 86 east intersection to TH 3 (Chippendale Ave) in Eureka, Castle Rock, Greenvale & Waterford Townships. This project will address roadway safety concerns and geometric deficiencies by: reducing the number & severity of run off roadway type crashes with the addition of an 8 bituminous shoulder; provide increased safety for pedestrians/bicyclists; and adding turn lanes at intersections to improve roadway operations/safety through the area. This east/west A-Minor Arterial route begins at the western edge of Scott County connecting the growing communities of New Prague, Elko/New Market to the rural township areas of eastern Dakota County. This route is approximately 46 miles in length from TH 169 to TH 52 in Dakota County.

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

The specific improvements proposed as part of this project fit well with the overall transportation system in the area. These improvements include reconstructing the existing 2-lane roadway, adding 8 bituminous shoulders, flattening out side slopes/ditches, adding turn lanes at major intersections and by-pass lanes at T intersections from CSAH 23 (Foliage Ave) to TH 3 in Dakota County. This project includes intersection modification to address safety. Aligning, consolidating and removing access along the corridor will increase safety along the corridor.

The County will coordinate the roadway project with the railroad to explore the replacement of the existing railroad bridge in Castle Rock Township. The in-place railroad bridge is functionally obsolete and replacement would benefit the traveling public. CSAH 86 is a cross county route that is used by the freight industry as a parallel northerly route to TH 19 in Rice & Goodhue Counties.

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

**Project Length (Miles)**

3.16

**Connection to Local Planning:**

*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 MnDOT 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.*

Dakota County 2030 Transportation Plan

Chapter 8, Goal 5: Replace Deficient Elements of the System p. 8-1 to 8-7

Chapter 9, Future Studies: East/West Principal Arterial Assessment and 10-Ton route System Implementation p. 9-16

Future Studies - Figure 46

Dakota County 2014-2018 Capital Improvement Program (online version)

**Connection to Local Planning**

Future Studies - Figure 2, p. Trans 8

2014-2018 CIP Map between p. Trans 10-11

5-Year Summary p. Trans 13-15  
Individual Project Sheet p. Trans 53

Dakota County Rural Collaborative Comprehensive Plan (i.e. Townships of Castle Rock, Eureka, Greenvale and Waterford)

Sciota Township Comprehensive Plan

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**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 \$3,200,000.00

Match Amount \$850,000.00

Minimum of 20% of project total

**Project Total** \$4,050,000.00

**Match Percentage** 20.99%

Minimum of 20%

Compute the match percentage by dividing the match amount by the project total

**Source of Match Funds** Dakota County

**Preferred Program Year**

**Select one:** 2019

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## MnDOT State Aid Project Information: Roadway Projects

**County, City, or Lead Agency** Dakota County

**Functional Class of Road** A-Minor Arterial Connector

**Road System** CSAH 86

*TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET*

**Name of Road** 280th Street

*Example; 1st ST., MAIN AVE*

**Zip Code where Majority of Work is Being Performed** 55010

**(Approximate) Begin Construction Date** 04/01/2019

**(Approximate) End Construction Date** 12/31/2019

### LOCATION

**From:**  
**(Intersection or Address)** Easterly intersection of CSAH 23 (Foliage Ave) & CSAH 86

*Do not include legal description;  
Include name of roadway if majority of facility  
runs adjacent to a single corridor.*

**To:**  
**(Intersection or Address)** Trunk Highway 3

**Type of Work** Grading, aggregate base, bituminous base, bituminous surface, bituminous shoulders

*Examples: grading, aggregate base, bituminous base, bituminous surface, sidewalk, signals, lighting, guardrail, bicycle path, ped ramps, bridge, Park & Ride, etc.)*

**Old Bridge/Culvert?** No

**New Bridge/Culvert?** No

**Structure is Over/Under**  
**(Bridge or culvert name):**

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## Specific Roadway Elements

**CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES**

**Cost**

|  |                       |
|--|-----------------------|
| Mobilization (approx. 5% of total cost)                    | \$200,000.00          |
| Removals (approx. 5% of total cost)                        | \$200,000.00          |
| Roadway (grading, borrow, etc.)                            | \$1,000,000.00        |
| Roadway (aggregates and paving)                            | \$2,050,000.00        |
| Subgrade Correction (muck)                                 | \$0.00                |
| Storm Sewer  | \$100,000.00          |
| Ponds  | \$0.00                |
| Concrete Items (curb & gutter, sidewalks, median barriers) | \$0.00                |
| Traffic Control  | \$25,000.00           |
| Striping   | \$30,000.00           |
| Signing  | \$40,000.00           |
| Lighting   | \$5,000.00            |
| Turf - Erosion & Landscaping                               | \$150,000.00          |
| Bridge   | \$0.00                |
| Retaining Walls  | \$0.00                |
| Noise Wall   | \$0.00                |
| Traffic Signals  | \$0.00                |
| Wetland Mitigation   | \$0.00                |
| Other Natural and Cultural Resource Protection             | \$0.00                |
| RR Crossing  | \$150,000.00          |
| Roadway Contingencies                                      | \$0.00                |
| Other Roadway Elements                                     | \$0.00                |
| <b>Totals</b>  | <b>\$3,950,000.00</b> |

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**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                | \$100,000.00 |
| 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              |
| <b>Totals</b>                         | <b>\$100,000.00</b> |

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## Specific Transit and TDM Elements

| <b>CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES</b>                             | <b>Cost</b>   |
|---|---------------|
| 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        |
| Transit and TDM Contingencies   | \$0.00        |
| Other Transit and TDM Elements  | \$0.00        |
| <b>Totals</b>   | <b>\$0.00</b> |

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## Transit Operating Costs

| <b>OPERATING COSTS</b>  | <b>Cost</b>   |
|-------------------------|---------------|
| Transit Operating Costs | \$0.00        |
| <b>Totals</b>           | <b>\$0.00</b> |

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## Totals

|                                     |                |
|-------------------------------------|----------------|
| <b>Total Cost</b>                   | \$4,050,000.00 |
| <b>Construction Cost Total</b>      | \$4,050,000.00 |
| <b>Transit Operating Cost Total</b> | \$0.00         |

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## 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 2030 Transportation Policy Plan (amended 2013), the 2030 Regional Parks Policy Plan (amended 2013), and the 2030 Water Resources Management Policy Plan (2005).

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

*2.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**

*3.Applicants must not submit an application for the same project in more than one funding sub-category.*

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

*4.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. Expansion, reconstruction/modernization, and bridges must be between \$1,000,000 and \$7,000,000. Roadway system management must be between \$250,000 and \$7,000,000.*

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

*5.The project must comply with the Americans with Disabilities Act.*

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

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

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

*7.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**

*8.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**

*9.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**

*10.The project applicant must send written notification regarding the proposed project to all affected communities and other levels and units of government prior to submitting the application.*

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

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## **Requirements - Roadways Including Multimodal Elements**

### **Expansion and Reconstruction/Modernization Projects Only**

*1.The project must be designed to meet 10-ton load limit standards.*

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

*2.Federal funds are available for roadway construction and reconstruction on new alignments or within existing right-of-way, including associated construction and excavation, bridges, or installation of traffic signals, signs, utilities, bikeway or walkway components and transit components.*

*The project must exclude costs for right-of-way, studies, preliminary engineering, design, or construction engineering. Noise barriers, drainage projects, fences, landscaping, etc., are not eligible for funding unless included as part of a larger project, which is otherwise eligible.*

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



### **Bridge Projects Only**

3. The bridge project 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.**

4. Bridges selected in previous Bridge Improvement and Replacement solicitations (1994-2011) are not eligible. A previously selected project is not eligible unless it has been withdrawn or sunset prior to the deadline for proposals in this solicitation.

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

5. Projects requiring a grade-separated crossing of a Principal Arterial of freeway design must be limited to the federal share of those project costs identified as local (non-MnDOT) cost responsibility using MnDOT's 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.**

6. 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 sub-categories. Rail-only bridges are ineligible for funding.

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

7. The length of the bridge must equal or exceed 20 feet.

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

8. Project limits for bridge projects are limited from abutment to abutment.

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

9. The project must exclude costs for studies, preliminary engineering, design, construction engineering, and right-of-way.

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

### **Bridge Replacement Projects Only**

10. The bridge must have a sufficiency rating less than 50. Additionally, it must also be classified as structurally deficient or functionally obsolete.

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

### **Bridge Rehabilitation Projects Only**

11. The bridge must have a sufficiency rating less than 80. Additionally, it must also be classified as structurally deficient or functionally obsolete.

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

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## **Other Attachments**

| File Name                         | Description                                | File Size |
|-----------------------------------|--|-----------|
| 8634 CONCEPT.pdf                  | CSAH 86 Concept Layout (CSAH 23 to TH 3)   | 515 KB    |
| 86TruckCount-23to3.pdf            | Truck/Heavy Commercial Count Documentation | 272 KB    |
| CIP.pdf                           | Adopted2014-2018CIP                        | 1.0 MB    |
| DakCoCIP.pdf                      | Dakota County CIP - CSAH 86                | 514 KB    |
| DC-FundMaintain.pdf               | DakCoCSAH86-FundMaintain                   | 298 KB    |
| DC-Resolution.pdf                 | DakotaCountyResolution                     | 1.4 MB    |
| DC-TranPlan.pdf                   | Dak Co Tran Plan 10 Ton                    | 1.7 MB    |
| MnDOT-CSAH 86 (CH 23 to TH 3).pdf | MnDOT Letter of Support                    | 38 KB     |
| MnDOT-SafetyPlan86.pdf            | MnDOT Safety Plan - Reference              | 266 KB    |
| RdwayAreaDef.pdf                  | Roadway Area Definition                    | 1.2 MB    |
| RegionalEcon.pdf                  | Regional Economy                           | 456 KB    |
| Roadway Reconstruction.pdf        | CSAH 86 Project Limits Aerial View         | 228 KB    |
| SocioEcon.pdf                     | Socio Economic                             | 460 KB    |
| TransitCon.pdf                    | Transit Connections                        | 479 KB    |

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## Reliever: Freeway Facility or

Facility being relieved

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

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## Reliever: Non-Freeway Facility or

Facility being relieved

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

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## Non-Freeway Facility Volume/Capacity Table

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

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

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## Expander/Connector/Augmentor/Non-Freeway Principal Arterial

|                  |                |
|------------------|----------------|
| Select one:      | Connector      |
| Area             | 33.261         |
| Project Length   | 3.159          |
| Average Distance | 10.529         |
| Upload Map       | CH86-W-RAD.pdf |

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## Measure B: Current Heavy Commercial Traffic

|   |  |
|---|--|
| Location                                      | Along CSAH 86, 1.5 miles east of east intersection of CSAH 23 & CSAH 86 in Eureka/Greenvale Twps |
| Current daily heavy commercial traffic volume | 719.0  |

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

Select all that apply

Direct connection to or within a mile of a Job Concentration

Direct connection to or within a mile of a Manufacturing/Distribution Location

Direct connection to or within a mile of an Educational Institution

Project provides a direct connection to or within a mile of an existing local activity center identified in an adopted county or city plan

Yes

County or City Plan Reference (Limit 700 characters; approximately 100 words)

Dakota County Rural Collaborative Comp Plan-Land Use Map (p.33) identifies two commercial areas with direct connection to the CSAH 86 project. First area (Castle Rock Elevator) is located on the north side of the CSAH 86 roadway near the Union Pacific Railroad Line. Second area is located on the north side of CSAH 86 at intersection of TH 3. Both of these identified areas are agri-business or service industries. Refer to attached Dakota County GIS map that shows locations for Prairie Creek Community School and other commercial establishments in the area of the project.

Upload Map

CH86-W-RE-Etc.pdf

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## Measure A: Current Daily Person Throughput

|  |   |
|--|---|
| Location                               | CSAH 86 - 0.5 mile west of TH 3, Castle Rock Twp. |
| Current AADT Volume                    | 3750.0  |
| Existing Transit Routes on the Project | N/A   |

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## Response: Current Daily Person Throughput

|  |        |
|--|--------|
| Average Annual Daily Transit Ridership | 0      |
| Current Daily Person Throughput        | 4875.0 |

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## Measure B: 2030 Forecast ADT

Use Metropolitan Council model to determine forecast (2030) ADT volume

|   |   |
|---|---|
| METC Staff - Forecast (2030) ADT volume | 0 |
|---|---|

OR

|   |        |
|---|--------|
| Approved county or city travel demand model to determine forecast (2030) ADT volume | Yes    |
| Forecast (2030) ADT volume  | 6900.0 |

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## Measure A: Project Location and Impact to Disadvantaged Populations

Select one:

Project located in Racially Concentrated Area of Poverty

Project located in Concentrated Area of 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

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

The CSAH 86 project is located in southern townships of Dakota County. The Draft 2040 TPP (p.133) references that rural areas will invest in highways and streets that are flexible for a variety of uses and connect them with Rural Centers and the urban and suburban areas with the Urban Service Area. The emphasis will be on strengthening safe connections and less on large-scale transportation capacity. CSAH 86 connects to major north/south roadways (CH 23, CH 47, TH 3, TH 56, TH 52) that connect to the Urban Service Area. This project is in an area of that includes children, people with disabilities and the elderly; although not in concentrations recognized by Met Council. The CSAH 86 project will provide an 8 paved shoulder for ped/bike/wheelchair use along with 10-ton roadway designed for motorized traffic. Safety will be improved with the addition of turn lanes, pavement markings, rumble stripes, intersection lighting and removal of hazards in roadway clear zone.

Upload Map

Ch86-W-SEC.pdf

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## Measure B: Affordable Housing

| City/Township        | Segment Length (Miles) |
|----------------------|------------------------|
| Greenvale Township   | 1.0                    |
| Eureka Township      | 1.08                   |
| Castle Rock Township | 0.5                    |
| Waterford Township   | 0.58                   |
|                      | <b>3</b>               |

### Total Project Length

Total Project Length 3.16

### 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) 3.16  
 Total Housing Score 0

### Measure A: Year of Roadway Construction

| Year of Original Roadway Construction or Most Recent Reconstruction | Roadway Segment Length (Miles) | Calculation | Calculation 2 |
|---|--------------------------------|-------------|---------------|
| 1947.0  | 3.16                           | 6152.52     | 1947.0        |
|   | <b>3</b>                       | <b>6153</b> | <b>1947</b>   |

### Average Construction Year

Weighted Year 1947.0

### Total Segment Length (Miles)

Total Segment Length 3.16

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

Improve roadway structural capacity to 10 Ton limit. Widen existing shoulders to 8 bituminous shoulders to improve safety for pedestrian/bicyclist/disabled. Flatten out side slopes/ditches, strategic tree removal, fixed object modifications and roadside hardware improvements. Integration of Best Management Practices such as bioretention cells, permeable ditch blocks & bioswale ditch bottoms. Removal/consolidation/aligning access along the CSAH 86 roadway. Add turn lanes at major intersections & bypass lanes at T intersections. Lighting at major intersections. Improvement of highway signage and pavement markings. Improve vertical alignment to increase sight distance for motorized/non-motorized roadway users. Replace existing metal culverts (1947), guardrail, and signage with up to date materials. Partner with railroad to explore replacement of railroad bridge over CSAH 86 or safety improvements if bridge remains. New pavement markings at existing at grade railroad crossings. Include recommendations from Dakota County Roadway Safety Plan (MnDOT approved) p.10, segment ID 86.02 Center Line Rumble Strip & Rumble Stripe reduce injury/roadway departure crashes (Refer to Other Attachments).

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

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## Measure A: Cost Effectiveness of Vehicle Delay Reduction

|   |                        |
|---|------------------------|
| Total Project Cost from Cost Sheet                | \$4,050,000.00         |
| Total Peak Hour Vehicle Delay Without The Project | 0                      |
| Total Peak Hour Vehicle Delay With The Project    | 0                      |
| Total Peak Hour Vehicle Delay Reduced by Project  | 0                      |
| Cost Effectiveness                                | \$0.00                 |
| Synchro or HCM Reports                            | CSAH 86-SynchroHCM.pdf |

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## Measure B: Cost Effectiveness of Emissions Reduction

|  |                        |
|--|------------------------|
| Total Project Cost from Cost Sheet           | \$4,050,000.00         |
| Total Peak Hour Kilograms Reduced by Project | 0                      |
| Cost Effectiveness                           | \$0.00                 |
| Synchro or HCM Reports                       | CSAH 86-SynchroHCM.pdf |

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## Measure A: Benefit/Cost of Crash Reduction

|                            |                                |
|----------------------------|--------------------------------|
| Project Benefit/Cost Ratio | 0.27                           |
| Worksheet Attachment       | 86(23to3)BeneCostWkst11-25.pdf |

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## Measure A: Transit Connections

|  |               |
|--|---------------|
| Existing Routes Directly Connected to the Project  | N/A           |
| Planned Transitways directly connected to the project (alignment and mode determined and identified in the 2030 TPP) | N/A           |
| Upload Map   | CH86-W-TC.pdf |

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## Response

*Met Council Staff Data Entry Only*

|                      |   |
|----------------------|---|
| Route Ridership      | 0 |
| Transitway Ridership | 0 |

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## Measure B: Bicycle and Pedestrian Connections



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

Townships in Dakota County depend upon the County Highway system to provide for bike/ped connections. The CSAH 86 project will construct 8 bituminous shoulders to connect ped/bike/disabled with the village center and service industries along the corridor. (Refer to attachments for 1C. Regional Economy). The 8 bituminous shoulders will increase safety and the user experience will be enhanced along the corridor. Major intersections will have lighting. New Pavement markings & rumble strips will provided perceived separation between motorized/non-motorized users. This project will provided east/west connectivity between convenience/gas store, beauty salon, repair shop, storage area, Co-op elevator, Prairie Creek School, post office, church & restaurant.

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## Measure C: Multimodal Facilities

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

The CSAH 86 project is located in southern townships of Dakota County. The Draft 2040 TPP (p.133) references that rural areas will invest in highways and streets that are flexible for a variety of uses and connect them with Rural Centers and the urban and suburban areas with the Urban Service Area. The emphasis will be on strengthening safe connections and less on large-scale transportation capacity. CSAH 86 connects to major north/south roadways (CH 23, CH 47, TH 3, TH 56, TH 52) that connect to the Urban Service Area. This project is in an area of that includes children, people with disabilities and the elderly; although not in concentrations recognized by Met Council. The CSAH 86 project will provide an 8 paved shoulder for ped/bike/wheelchair use along with 10-ton roadway designed for motorized traffic. Safety will be improved with the addition of turn lanes, pavement markings, rumble stripes, intersection lighting and removal of hazards in roadway clear zone.

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## Transit Projects Not Requiring Construction

If the applicant is completing a transit or TDM application, only Park-and-Ride and other construction projects require completion of the Risk Assessment below. Check the box below if the project does not require the Risk Assessment fields, and do not complete the remainder of the form. These projects will receive full points for the Risk Assessment.

[Check Here if Your Transit Project Does Not Require Construction](#)

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### 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

100%

Layout or Preliminary Plan started

Yes

50%

Layout or Preliminary Plan has not been started

0%

Anticipated date or date of completion

08/31/2017

#### 3) Environmental Documentation (10 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%

Document in progress; environmental impacts identified

50%

Document not started

Yes

0%

Anticipated date or date of completion/approval 12/01/2017

**4)Review of Section 106 Historic Resources (15 Percent of Points)**

No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and 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/archeological review under way; determination of adverse effect anticipated

40%

Unknown impacts to historic/archaeological resources Yes

0%

Anticipated date or date of completion of historic/archeological review: 10/01/2017

Project is located on an identified historic bridge

**5)Review of Section 4f/6f Resources (15 Percent of Points)**

*(4f is publicly owned parks, recreation areas, historic sites, wildlife or waterfowl refuges; 6f is outdoor recreation lands where Land and Water Conservation Funds were used for planning, acquisition, or development of the property)*

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

100%

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%

Adverse effects (land conversion) to Section 4f/6f resources likely

30%

Unknown impacts to Section 4f/6f resources in the project area Yes

0%

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

Right-of-way or easements not required

100%

Right-of-way or easements has/have been acquired

100%

Right-of-way or easements required, offers made

75%

**Right-of-way or easements required, appraisals made**

50%

**Right-of-way or easements required, parcels identified**

25%

**Right-of-way or easements required, parcels not identified** Yes

0%

**Right-of-way or easements identification has not been completed**

0%

**Anticipated date or date of acquisition** 12/14/2018

### **7)Railroad Involvement (25 Percent of Points)**

**No railroad involvement on project**

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** Yes

0%

**Anticipated date or date of executed Agreement** 12/14/2018

### **8)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** Yes

0%

**Anticipated date or date of completion** 01/15/2018

### **9)Letting**

**Anticipated Letting Date** 01/15/2019



C.P. 86-34



C.S.A.H. 86 (280TH ST. E.)  
C.S.A.H 23 TO STATE HIGHWAY 3  
CONCEPT LAYOUT

**DAKOTA COUNTY TRANSPORTATION  
TRAFFIC UNIT  
TRAFFIC COUNT DATA**

Road : CSAH 86  
Location : From CSAH 23 to TH 3  
Notes : Classification Count

Site: Classification Count  
10/27/2014  
Monday

24 Hour Classification

Combined Channels

| Interval Start | Total r Vehicles | Passenger Vehicles | Single Trucks | Trucks & Trailers | Tailgating |
|----------------|------------------|--------------------|---------------|-------------------|------------|
| 11:00 AM       | 130              | 74                 | 32            | 24                | 0          |
| 12:00 PM       | 128              | 87                 | 18            | 23                | 0          |
| 1:00 PM        | 139              | 93                 | 26            | 20                | 0          |
| 2:00 PM        | 213              | 162                | 32            | 19                | 0          |
| 3:00 PM        | 216              | 153                | 42            | 21                | 0          |
| 4:00 PM        | 253              | 202                | 29            | 22                | 0          |
| 5:00 PM        | 242              | 194                | 26            | 22                | 0          |
| 6:00 PM        | 167              | 128                | 20            | 19                | 0          |
| 7:00 PM        | 71               | 55                 | 10            | 6                 | 0          |
| 8:00 PM        | 68               | 52                 | 8             | 8                 | 0          |
| 9:00 PM        | 53               | 43                 | 7             | 3                 | 0          |
| 10:00 PM       | 20               | 15                 | 2             | 3                 | 0          |
| 11:00 PM       | 15               | 14                 | 1             | 0                 | 0          |
| 10/28/2014     |                  |                    |               |                   |            |
| 12:00 AM       | 9                | 7                  | 2             | 0                 | 0          |
| 1:00 AM        | 7                | 5                  | 1             | 1                 | 0          |
| 2:00 AM        | 6                | 5                  | 1             | 0                 | 0          |
| 3:00 AM        | 7                | 6                  | 0             | 1                 | 0          |
| 4:00 AM        | 25               | 24                 | 1             | 0                 | 0          |
| 5:00 AM        | 97               | 84                 | 5             | 8                 | 0          |
| 6:00 AM        | 175              | 135                | 31            | 9                 | 0          |
| 7:00 AM        | 250              | 191                | 35            | 24                | 0          |
| 8:00 AM        | 179              | 127                | 24            | 28                | 0          |
| 9:00 AM        | 154              | 95                 | 30            | 29                | 0          |
| 10:00 AM       | 141              | 95                 | 23            | 23                | 0          |
| Total          | 2765             | 2046               | 406           | 313               | 0          |
| %              |                  | 74.0               | 14.7          | 11.3              | 0.0        |

406 + 313 = 719

# 2014 - 2018 Transportation Capital Improvement Program

| PAGE #                                      | PROJECT NO. | ROAD/BUILDING | SEGMENT (FROM/TO)                   | PROJECT DESCRIPTION         | PROJECT LOCATION            | ANNUAL COST       | CITY SHARE       | FEDERAL        | STATE            | COUNTY STATE AID  | GRAVEL TAX FOR CONST | OTHER | COUNTY COST | TOTAL LIFE PROJECT COST | LEAD AGENCY   |  |
|---|-------------|---------------|-------------------------------------|-----------------------------|-----------------------------|-------------------|------------------|----------------|------------------|-------------------|----------------------|-------|-------------|-------------------------|---------------|--|
| <b>2016 Section</b>                         |             |               |                                     |                             |                             |                   |                  |                |                  |                   |                      |       |             |                         |               |  |
| <b>2016 County Funds Dollars</b>            |             |               |                                     |                             |                             |                   |                  |                |                  |                   |                      |       |             |                         |               |  |
| 17  |             |               | Highway Surface - Gravel            | Spot Locations              |                             | 350,000           |                  |                |                  |                   |                      |       | 350,000     | 2,800,000               | Dakota Co     |  |
| 18  |             |               | Highway Surface - Gravel            | Durable Pavement            |                             | 50,000            |                  |                |                  |                   |                      |       | 50,000      | 250,000                 | Dakota Co     |  |
| 19  |             |               | Traffic Control Devices             |                             |                             | 350,000           |                  |                |                  |                   |                      |       | 350,000     | 1,750,000               | Dakota Co     |  |
| 20  |             |               | Bike Trail                          |                             |                             | 700,000           |                  |                |                  |                   |                      |       | 700,000     | 3,500,000               | City          |  |
| 21  |             |               | Transit Infrastructure              |                             |                             | 60,000            |                  |                |                  |                   |                      |       | 60,000      | 300,000                 |               |  |
| 22  |             |               | Storm Sewer System Repair           |                             |                             | 500,000           | 200,000          |                |                  |                   |                      |       | 300,000     | 2,500,000               | Dakota/City   |  |
| 23  |             |               | Jurisdictional Classification       |                             |                             | 600,000           |                  |                |                  |                   |                      |       | 600,000     | 2,800,000               | Dakota Co     |  |
| 24  |             |               | Safety and Management Projects      |                             |                             | 1,000,000         | 117,000          |                |                  |                   |                      |       | 883,000     | 5,000,000               | Dakota Co     |  |
| 25  |             |               | ROW Preservation & Management       |                             |                             | 1,000,000         | 450,000          |                |                  |                   |                      |       | 550,000     | 5,000,000               | Dakota Co     |  |
| 26  | 6-06        | CR 6          | At CSAH 73 (Oakdale Ave)            | Construction (for turnlane) | West St. Paul               | 1,000,000         | 117,000          |                |                  |                   |                      |       | 1,000,000   | 5,800,000               | Dakota Co     |  |
| 31  | 32-65       | new 32        | 117th St: CSAH 71 to TH 52          | ROW Acquisition             | Inver Grove Heights         | 200,000           | 90,000           |                |                  |                   |                      |       | 100,000     | 15,614,470              | Dakota County |  |
| 37  | 50-21       | CSAH 50       | South of CSAH 60 to CSAH 9          | ROW Acquisition             | Lakeville                   | 4,224,640         | 1,901,090        |                |                  |                   |                      |       | 2,323,550   | 15,614,470              | Dakota County |  |
| 39  | 78-06       | new 78        | 235th/Denmark to TH 3               | ROW Acquisition             | Eureka/Castle Rock Twp      | 612,150           |                  |                |                  |                   |                      |       | 612,150     | 2,469,300               | Dakota Co     |  |
| 40  | 80-12       | CSAH 80       | CSAH 73 to TH 3                     | Construction                | Eureka/Castle Rock Twp      | 5,356,000         |                  |                |                  |                   |                      |       | 5,356,000   | 7,943,800               | Dakota Co     |  |
| 41  | 80-21       | CSAH 80       | Replace Bridge L-3164               | Over Un-named Creek         | Eureka/Castle Rock Twp      | 300,000           | 225,000          |                |                  |                   |                      |       | 75,000      | 300,000                 | Dakota Co     |  |
| 44  |             |               | Future Studies/Professional Service |                             | Townships                   | 500,000           |                  |                |                  |                   |                      |       | 500,000     | 2,500,000               | Dakota Co     |  |
| 45  |             |               | Township Road Distribution          |                             |                             | 20,900            |                  |                |                  |                   |                      |       | 20,900      | 104,500                 | Dakota Co     |  |
| 46  |             |               | Attorney Reimbursement              |                             |                             | 276,724           |                  |                |                  |                   |                      |       | 276,724     | 1,135,365               | Dakota Co     |  |
| <b>2016 County Funds subtotal</b>           |             |               |                                     |                             |                             |                   |                  |                |                  |                   |                      |       |             |                         |               |  |
|   |             |               |                                     |                             |                             | 17,050,434        | 2,983,090        |                |                  |                   |                      |       | 14,067,324  |                         |               |  |
| <b>2016 County State Aid Highway (CSAH)</b> |             |               |                                     |                             |                             |                   |                  |                |                  |                   |                      |       |             |                         |               |  |
| 49  | 8-20        | CSAH 8        | At CSAH 73 - Roundabout             | Construction                | West St. Paul               | 800,000           | 36,000           |                |                  | 44,000            |                      |       |             | 1,000,000               | Dakota Co     |  |
| 51  | 9-36        | CSAH 9        | Indiana Ave/194th St to CSAH 60     | Design                      | Lakeville                   | 352,600           | 158,700          |                |                  | 193,900           |                      |       |             | 6,159,900               | Dakota Co     |  |
| 56  | 86-34       | CSAH 86       | CSAH 23 to TH 3                     | Design                      | Eureka, CR, Green, Water    | 285,600           |                  |                | 1,447,500        |                   |                      |       |             | 5,761,700               | Dakota Co     |  |
| 58  | 26-47       | CSAH 26       | At TH 3 - Roundabout                | Construction                | Inver Grove Heights         | 2,900,000         | 652,500          |                |                  | 800,000           |                      |       |             | 2,900,000               | MnDOT         |  |
| 61  | 31-76       | CSAH 31       | CSAH 28 to Central Parkway          | Construction                | Eagan                       | 2,500,000         |                  |                |                  | 300,000           |                      |       |             | 3,250,000               | Eagan         |  |
| 63  | 31-79       | CSAH 31       | At CSAH 31                          | Signal Reconstruction       | Eagan                       | 300,000           |                  |                |                  | 300,000           |                      |       |             | 300,000                 | Dakota Co     |  |
| 65  | 32-78       | CSAH 32       | At CSAH 32 (Chiff Rd)               | Signal Reconstruction       | Burnsville                  | 300,000           |                  |                |                  | 300,000           |                      |       |             | 300,000                 | Burnsville    |  |
| 78  | 63-25       | CSAH 63       | At I-95W Interchange                | Construction                | Inver Grove Heights         | 4,000,000         | 1,800,000        |                |                  | 2,200,000         |                      |       |             | 5,200,000               | Dak Co/MnDOT  |  |
| 79  | 63-22       | CSAH 63       | N of CSAH 28 to N of CSAH 26        | Construction                | Inver Grove Heights         | 285,700           | 128,600          |                |                  | 157,100           |                      |       |             | 5,693,700               | Dakota County |  |
| 82  | 73-19       | CR 73         | Bonaire Path to Rsm/IGH line        | Design                      | Rosemount                   | 142,900           | 64,300           |                |                  | 78,600            |                      |       |             | 4,038,300               | Dakota Co     |  |
| 84  | 86-32       | CSAH 86       | TH 3 to west of CSAH 47             | ROW Acquisition             | CR, Waterford, Sciota       | 2,040,500         |                  |                |                  | 2,040,500         |                      |       |             | 9,323,300               | Dakota Co     |  |
| 85  | 91-25       | CSAH 91       | TH 61 (240th St) to 3/4 mile north  | Design                      | Milesville/Douglas Township | 158,800           |                  |                |                  | 158,800           |                      |       |             | 2,966,600               | Dakota Co     |  |
|   |             |               |                                     |                             |                             | 14,366,100        | 2,840,100        | 720,000        | 1,447,500        | 9,358,500         |                      |       |             |                         |               |  |
|   |             |               |                                     |                             |                             | 14,366,100        | 2,840,100        | 720,000        | 1,447,500        | 9,358,500         |                      |       |             |                         |               |  |
| <b>2016 County State Aid Highway</b>        |             |               |                                     |                             |                             |                   |                  |                |                  |                   |                      |       |             |                         |               |  |
| 55  | 14-28       | CSAH 14       | 14th Ave to 3rd Ave                 | Construction                | South St Paul               | 4,000,000         | 1,800,000        |                |                  | 2,000,000         |                      |       | 200,000     | 5,120,000               | Dakota Co     |  |
| 83  | 86-29       | CSAH 86       | East of CSAH 47 to TH 52            | Construction                | CR, Ran, Sciota, Hampton    | 6,875,000         |                  |                |                  | 3,875,000         |                      |       | 3,000,000   | 9,323,500               | Dakota Co     |  |
| 90  |             |               | Highway Surface - Bituminous        |                             |                             | 2,420,000         |                  |                |                  |                   | 170,000              |       | 2,250,000   | 12,400,000              | Dakota Co     |  |
| 91  |             |               | Intersection Control                |                             |                             | 1,391,000         |                  |                |                  | 1,391,000         |                      |       |             | 6,930,000               | Dakota Co     |  |
| 92  |             |               | CIP Reimbursement to Operations     |                             |                             | 1,900,000         | 1,087,500        |                |                  | 787,500           |                      |       | 25,000      | 7,484,160               | Dakota Co     |  |
| 94  |             |               |                                     |                             |                             | 3,834,869         | 865,671          |                |                  | 1,337,856         |                      |       | 1,731,342   | 19,693,538              | Dakota Co     |  |
|   |             |               |                                     |                             |                             | 20,520,869        | 3,753,171        |                |                  | 9,391,356         |                      |       | 7,206,342   |                         |               |  |
|   |             |               |                                     |                             |                             | 20,520,869        | 3,753,171        |                |                  | 9,391,356         |                      |       | 7,206,342   |                         |               |  |
| <b>2016 Total</b>                           |             |               |                                     |                             |                             | <b>51,937,383</b> | <b>9,576,361</b> | <b>720,000</b> | <b>1,447,500</b> | <b>18,749,856</b> | <b>170,000</b>       |       |             | <b>21,273,666</b>       |               |  |

# 2014 - 2018 Transportation Capital Improvement Program

| PAGE #   | PROJECT NO. | ROAD/BUILDING | SEGMENT (FROM/TO)                       | PROJECT DESCRIPTION             | PROJECT LOCATION                             | ANNUAL COST       | CITY SHARE        | FEDERAL | STATE | COUNTY STATE AID  | GRAVEL/TAX FOR CONST | OTHER | COUNTY COST       | TOTAL LIFE PROJECT COST | LEAD AGENCY   |
|--|-------------|---------------|---|---------------------------------|--|-------------------|-------------------|---------|-------|-------------------|----------------------|-------|-------------------|-------------------------|---------------|
| <b>2017 Section</b>                                    |             |               |   |                                 |  |                   |                   |         |       |                   |                      |       |                   |                         |               |
| <b>2017 County Funds Dollars</b>                       |             |               |   |                                 |  |                   |                   |         |       |                   |                      |       |                   |                         |               |
| 17   |             |               | Highway Surface - Gravel                | Spot Locations                  |  | 700,000           |                   |         |       |                   |                      |       |                   | 2,800,000               | Dakota Co     |
| 18   |             |               | Highway Surface - Gravel                | Durable Pavement                | Markings                                     | 50,000            |                   |         |       |                   |                      |       | 700,000           | 50,000                  | Dakota Co     |
| 19   |             |               | Traffic Control Devices                 |                                 |  | 350,000           |                   |         |       |                   |                      |       | 350,000           | 1,750,000               | Dakota Co     |
| 20   |             |               | Bike Trail                              |                                 |  | 700,000           |                   |         |       |                   |                      |       | 700,000           | 3,500,000               | City          |
| 21   |             |               | Transit Infrastructure                  |                                 |  | 60,000            |                   |         |       |                   |                      |       | 60,000            | 300,000                 |               |
| 22   |             |               | Storm Sewer System Repair               |                                 |  | 500,000           | 200,000           |         |       |                   |                      |       | 300,000           | 2,500,000               | Dakota/CIty   |
| 23   |             |               | Jurisdictional Classification           |                                 |  | 600,000           |                   |         |       |                   |                      |       | 600,000           | 2,800,000               | Dakota Co     |
| 24   |             |               | Safety and Management Projects          |                                 |  | 1,000,000         | 117,000           |         |       |                   |                      |       | 883,000           | 5,000,000               | Dakota Co     |
| 25   |             |               | ROW Preservation & Management           |                                 |  | 600,000           | 450,000           |         |       |                   |                      |       | 150,000           | 1,655,000               | IGH           |
| 29   | 28-48       | CR 38         | TH 3 to 0.62 mile east                  | Construction                    | Inver Grove Heights                          | 600,000           |                   |         |       |                   |                      |       | 600,000           | 5,800,000               | Dakota Co     |
| 31   | 32-65       | new 32        | 117th St. CSAH 71 to TH 52              | Construction                    | Inver Grove Heights                          | 4,000,000         |                   |         |       |                   |                      |       | 4,000,000         | 9,375,000               | Dakota Co     |
| 33   | 44-82       | CSAH 62       | At TH 52 Interchange Area               | Construction (Bridges)          | Rosemount                                    | 12,500,000        | 3,125,000         |         |       |                   |                      |       | 9,375,000         | 15,614,470              | Dakota County |
| 37   | 50-21       | CSAH 50       | South of CSAH 60 to CSAH 9              | Construction                    | Lakeville                                    | 10,513,760        | 4,731,190         |         |       |                   |                      |       | 5,782,570         | 15,614,470              | Dakota County |
| 39   | 78-06       | new 78        | 235th/Denmark to TH 3                   | Construction                    | Eureka/Castle Rock Twp                       | 1,734,750         |                   |         |       |                   |                      |       | 1,734,750         | 2,469,300               | Dakota Co     |
| 44   |             |               | Future Studies/Professional Service:    |                                 |  | 500,000           | 225,000           |         |       |                   |                      |       | 275,000           | 2,500,000               | Dakota Co     |
| 45   |             |               | Township Road Distribution              |                                 | Townships                                    | 20,900            |                   |         |       |                   |                      |       | 20,900            | 104,500                 | Dakota Co     |
| 46   |             |               | Attorney Reimbursement                  |                                 |  | 25,793            |                   |         |       |                   |                      |       | 25,793            | 1,135,365               | Dakota Co     |
|  |             |               |   |                                 | <b>2017 County Funds Subtotal</b>            | <b>35,065,203</b> | <b>8,848,190</b>  |         |       |                   |                      |       | <b>26,217,013</b> |                         |               |
| <b>2017 County State Aid Highway (CSAH)</b>            |             |               |   |                                 |  |                   |                   |         |       |                   |                      |       |                   |                         |               |
| 48   | 5-47        | CSAH 5        | At Burnsville Parkway                   | Intersection/Signal Reconstruct | Burnsville                                   | 667,000           | 300,000           |         |       | 367,000           |                      |       |                   | 667,000                 | Dakota Co     |
| 51   | 9-36        | CSAH 9        | Indiana Ave/194th St to CSAH 60         | ROW Acquisition                 | Lakeville                                    | 1,574,700         | 708,600           |         |       | 866,100           |                      |       |                   | 6,159,900               | Dakota Co     |
| 60   | 86-34       | CSAH 86       | CSAH 23 to TH 3                         | ROW Acquisition                 | Eureka, CR, Green, Water                     | 1,428,300         |                   |         |       | 1,428,300         |                      |       |                   | 5,761,700               | Dakota Co     |
| 62   | 30-19       | CSAH 30       | At TH 77 (Cedar) Ramps                  | Signal Reconstruction           | Eagan  | 100,440           |                   |         |       | 100,440           |                      |       |                   | 100,440                 | MnDOT         |
| 79   | 63-21       | CSAH 63       | At Nicols Road                          | Signal Reconstruction           |  | 265,000           | 132,500           |         |       | 132,500           |                      |       |                   | 265,000                 | Dakota Co     |
| 82   | 73-19       | CR 73         | N of CSAH 28 to N of CSAH 26            | ROW Acquisition                 | Inver Grove Heights                          | 1,377,600         | 619,900           |         |       | 757,700           |                      |       |                   | 5,091,700               | Dakota County |
| 85   | 91-25       | CSAH 91       | Bonaire Path to Remt/IGH line           | ROW Acquisition                 | Rosemount                                    | 771,200           | 347,000           |         |       | 424,200           |                      |       |                   | 4,038,300               | Dakota County |
|  |             |               | TH 61 (240th St) to 3/4 mile north      | ROW Acquisition                 | Miesville/Douglas Township                   | 557,800           |                   |         |       | 557,800           |                      |       |                   | 2,966,600               | Dakota Co     |
|  |             |               |   |                                 | <b>2017 CSAH Subtotal</b>                    | <b>6,742,040</b>  | <b>2,108,000</b>  |         |       | <b>4,634,040</b>  |                      |       |                   |                         |               |
| <b>2017 County Fund &amp; County State Aid Highway</b> |             |               |   |                                 |  |                   |                   |         |       |                   |                      |       |                   |                         |               |
| 50   | 8-21        | CSAH 8        | CSAH 63 (Deaware) to Humboldt At Design | Construction                    | West St Paul                                 | 272,200           | 122,500           |         |       |                   |                      |       |                   | 1,578,200               | Dakota Co     |
| 84   | 86-32       | CSAH 86       | TH 3 to west of CSAH 47                 | Construction                    | CR, Waterford, Sciota                        | 6,875,000         |                   |         |       | 3,875,000         |                      |       | 3,000,000         | 9,323,500               | Dakota Co     |
| 90   |             |               | Highway Surface - Bituminous            |                                 |  | 2,420,000         |                   |         |       |                   | 170,000              |       |                   | 12,100,000              | Dakota Co     |
| 91   |             |               | Highway Surface - Bituminous            |                                 |  | 1,419,000         |                   |         |       |                   |                      |       |                   | 6,930,000               | Dakota Co     |
| 92   |             |               | Intersection Control                    |                                 |  | 1,167,560         | 655,000           |         |       | 1,419,000         |                      |       |                   | 7,484,160               | Dakota Co     |
| 93   |             |               | Highway - Replacement                   |                                 |  | 5,000,000         |                   |         |       | 487,560           |                      |       |                   | 20,000,000              | Dakota Co     |
| 94   |             |               | CIP Reimbursement to Operations         |                                 |  | 4,052,915         | 891,641           |         |       | 1,377,991         |                      |       |                   | 19,691,538              | Dakota Co     |
|  |             |               |   |                                 | <b>2017 County Funds &amp; CSAH Subtotal</b> | <b>21,206,675</b> | <b>1,669,141</b>  |         |       | <b>7,159,551</b>  | <b>170,000</b>       |       | <b>12,207,983</b> |                         |               |
|  |             |               |   |                                 | <b>2017 Total</b>                            | <b>65,013,918</b> | <b>12,625,331</b> |         |       | <b>11,793,591</b> | <b>170,000</b>       |       | <b>38,424,996</b> |                         |               |



# 2014 - 2018 Transportation Capital Improvement Program

| PAGE #                           | PROJECT NO. | ROAD/ BUILDING | SEGMENT (FROM/TO) | PROJECT DESCRIPTION                  | PROJECT LOCATION                             | ANNUAL COST       | CITY SHARE       | FEDERAL | STATE | COUNTY STATE AID  | GRAVEL TAX FOR CONST | OTHER | COUNTY COST       | TOTAL LIFE PROJECT COST | LEAD AGENCY   |
|----------------------------------|-------------|----------------|-------------------|--------------------------------------|--|-------------------|------------------|---------|-------|-------------------|----------------------|-------|-------------------|-------------------------|---------------|
| <b>2018 Section</b>              |             |                |                   |                                      |  |                   |                  |         |       |                   |                      |       |                   |                         |               |
| <b>2018 County Funds Dollars</b> |             |                |                   |                                      |  |                   |                  |         |       |                   |                      |       |                   |                         |               |
| 17                               |             |                |                   | Highway Surface - Gravel             | Spot Locations                               | 700,000           | -                | -       | -     | -                 | -                    | -     | 700,000           | 2,800,000               | Dakota Co     |
| 18                               |             |                |                   | Highway Surface - Gravel             | Durable Pavement                             | 50,000            | -                | -       | -     | -                 | -                    | -     | 50,000            | 250,000                 | Dakota Co     |
| 19                               |             |                |                   | Traffic Control Devices              | Markings                                     | 350,000           | -                | -       | -     | -                 | -                    | -     | 350,000           | 1,750,000               | Dakota Co     |
| 20                               |             |                |                   | Bike Trail                           |  | 700,000           | -                | -       | -     | -                 | -                    | -     | 700,000           | 3,500,000               | City          |
| 21                               |             |                |                   | Transit Infrastructure               |  | 60,000            | -                | -       | -     | -                 | -                    | -     | 60,000            | 300,000                 | City          |
| 22                               |             |                |                   | Storm Sewer System Repair            |  | 500,000           | 200,000          | -       | -     | -                 | -                    | -     | 300,000           | 1,500,000               | Dakota/County |
| 23                               |             |                |                   | Jurisdictional Classification        |  | 600,000           | -                | -       | -     | -                 | -                    | -     | 600,000           | 3,000,000               | Dakota Co     |
| 24                               |             |                |                   | Safety and Management Projects       |  | 1,000,000         | -                | -       | -     | -                 | -                    | -     | 1,000,000         | 5,000,000               | Dakota Co     |
| 25                               |             |                |                   | ROW Preservation & Management        |  | 450,000           | -                | -       | -     | -                 | -                    | -     | 450,000           | 2,250,000               | Dakota Co     |
| 28                               | 9-43        | CSAH 9         |                   | Design                               | Lakeville                                    | 1,000,000         | 117,000          | -       | -     | -                 | -                    | -     | 883,000           | 4,415,000               | Dakota Co     |
| 44                               |             |                |                   | Future Studies/Professional Services |  | 500,000           | 202,500          | -       | -     | -                 | -                    | -     | 297,500           | 1,487,500               | Dakota Co     |
| 45                               |             |                |                   | Township Road Distribution           | Townships                                    | 20,900            | 225,000          | -       | -     | -                 | -                    | -     | 245,900           | 1,229,500               | Dakota Co     |
| 46                               |             |                |                   | Attorney Reimbursement               |  | 245,225           | 20,900           | -       | -     | -                 | -                    | -     | 266,125           | 1,335,365               | Dakota Co     |
|                                  |             |                |                   |                                      | <b>2018 County Funds Subtotal</b>            | <b>6,176,125</b>  | <b>1,194,500</b> | -       | -     | -                 | -                    | -     | <b>4,981,625</b>  | <b>24,981,625</b>       |               |
| 51                               | 9-36        | CSAH 9         |                   | Construction                         | Lakeville                                    | 4,232,600         | 1,904,700        | -       | -     | 2,327,900         | -                    | -     | 718,300           | 1,578,200               | Dakota Co     |
| 79                               | 63-22       | CSAH 63        |                   | Construction                         | Inver Grove Heights                          | 3,428,400         | 1,542,800        | -       | -     | 1,885,600         | -                    | -     | 2,023,900         | 5,091,700               | Dakota County |
| 82                               | 73-19       | CR 73          |                   | Construction                         | Rosemount                                    | 3,124,200         | 1,405,900        | -       | -     | 1,718,300         | -                    | -     | 2,250,000         | 4,018,300               | Dakota Co     |
| 85                               | 91-25       | CSAH 91        |                   | Construction                         | Milesville/Douglas Township                  | 2,250,000         | -                | -       | -     | 2,250,000         | -                    | -     | -                 | 2,966,600               | Dakota Co     |
|                                  |             |                |                   |                                      | <b>2018 CSAH Subtotal</b>                    | <b>13,035,200</b> | <b>4,853,400</b> | -       | -     | <b>8,181,800</b>  | -                    | -     | -                 | <b>13,035,200</b>       |               |
| 50                               | 8-21        | CSAH 8         |                   | Construction                         | West St Paul                                 | 1,306,000         | 587,700          | -       | -     | -                 | -                    | -     | 718,300           | 1,578,200               | Dakota Co     |
| 50                               | 86-34       | CSAH 86        |                   | Construction                         | Eureka, CR, Green, Water                     | 4,047,800         | -                | -       | -     | 2,023,900         | -                    | -     | 2,023,900         | 5,761,700               | Dakota Co     |
| 90                               |             |                |                   | Construction                         |  | 2,420,000         | -                | -       | -     | -                 | 170,000              | -     | 2,590,000         | 12,100,000              | Dakota Co     |
| 91                               |             |                |                   | CSAH Maintenance                     |  | 1,419,000         | -                | -       | -     | 1,419,000         | -                    | -     | -                 | 6,930,000               | Dakota Co     |
| 92                               |             |                |                   | Intersection Control                 |  | 2,200,000         | 1,087,500        | -       | -     | 1,087,500         | -                    | -     | 25,000            | 7,484,160               | Dakota Co     |
| 93                               |             |                |                   | Highway - Replacement                |  | 15,000,000        | -                | -       | -     | 10,000,000        | -                    | -     | 5,000,000         | 20,000,000              | Dakota Co     |
| 94                               |             |                |                   | CIP Reimbursement to Operations      |  | 4,174,502         | 918,390          | -       | -     | 1,419,331         | -                    | -     | 1,836,781         | 19,691,538              | Dakota Co     |
|                                  |             |                |                   |                                      | <b>2018 County Funds &amp; CSAH Subtotal</b> | <b>30,567,302</b> | <b>2,593,590</b> | -       | -     | <b>15,949,731</b> | <b>170,000</b>       | -     | <b>11,853,981</b> | <b>49,778,627</b>       |               |
|                                  |             |                |                   |                                      | <b>2018 Total</b>                            | <b>49,778,627</b> | <b>8,641,490</b> | -       | -     | <b>24,131,531</b> | <b>170,000</b>       | -     | <b>16,835,606</b> | <b>116,835,606</b>      |               |

| CIP 5-Year Summary Projects by Year | Annual Cost | City Share | Federal   | State     | County State Aid | Gravel Tax | Other   | County Cost |
|-------------------------------------|-------------|------------|-----------|-----------|------------------|------------|---------|-------------|
| 2014                                | 41,528,730  | 6,411,848  | 8,499,200 | 190,000   | 11,744,577       | 170,000    | 165,000 | 14,348,105  |
| 2015                                | 49,484,260  | 9,105,647  | 4,101,960 | 2,085,600 | 9,392,414        | 170,000    | 20,000  | 24,068,639  |
| 2016                                | 51,937,383  | 9,576,361  | 720,000   | 1,447,500 | 18,749,856       | 170,000    | -       | 21,273,666  |
| 2017                                | 63,013,918  | 12,625,331 | -         | -         | 11,793,591       | 170,000    | -       | 38,424,996  |
| 2018                                | 49,778,627  | 8,641,490  | -         | -         | 24,131,531       | 170,000    | -       | 16,835,606  |

| Revenue - Co Funds & Program Aid  | Levy       | Co Program Aid | Wheelage Tax | County Cost | Individual Yr End Balance | Cumulative Yr End Balance |
|-----------------------------------|------------|----------------|--------------|-------------|---------------------------|---------------------------|
| Est. 12/31/13 Ending Fund Balance |            |                |              |             |                           |                           |
| 2014                              | 4,417,694  | 1,083,489      | 3,700,000    | 14,348,105  | (5,646,912)               | 36,353,088                |
| 2015                              | 4,461,871  | 9,756,329      | 3,700,000    | 24,608,639  | (7,190,439)               | 29,162,649                |
| 2016                              | 4,506,480  | 9,756,329      | 3,700,000    | 21,273,666  | (3,810,847)               | 25,351,802                |
| 2017                              | 4,551,555  | 9,756,329      | 3,200,000    | 38,424,996  | (20,317,112)              | 4,494,690                 |
| 2018                              | 4,597,070  | 9,756,329      | 3,200,000    | 16,835,606  | 717,793                   | 5,152,483                 |
| 5-Year Total                      | 22,534,680 | 40,108,815     | 16,000,000   | 115,491,012 |                           |                           |

| Revenue - CSAH, Flex Hwy, LMVST | State Aid  | State Aid - Maintenance | Flex Hwy Acct | CSAH Cost  | Individual Yr End Balance | Cumulative Yr End Balance |
|---------------------------------|------------|-------------------------|---------------|------------|---------------------------|---------------------------|
| 2014                            | 8,200,000  | 1,300,000               | 1,200,000     | 4,000,000  | 11,744,577                | 2,955,423                 |
| 2015                            | 8,300,000  | 1,400,000               | 1,200,000     | 3,000,000  | 9,392,414                 | 4,507,586                 |
| 2016                            | 8,600,000  | 1,400,000               | 1,200,000     | 4,000,000  | 18,749,856                | 3,713,153                 |
| 2017                            | 8,600,000  | 1,400,000               | 1,200,000     | 5,000,000  | 11,793,591                | 4,406,409                 |
| 2018                            | 8,600,000  | 1,400,000               | 1,200,000     | 5,000,000  | 24,131,531                | 7,931,531                 |
| 5-Year Total                    | 42,100,000 | 6,900,000               | 6,000,000     | 21,000,000 | 75,811,969                | 188,031                   |

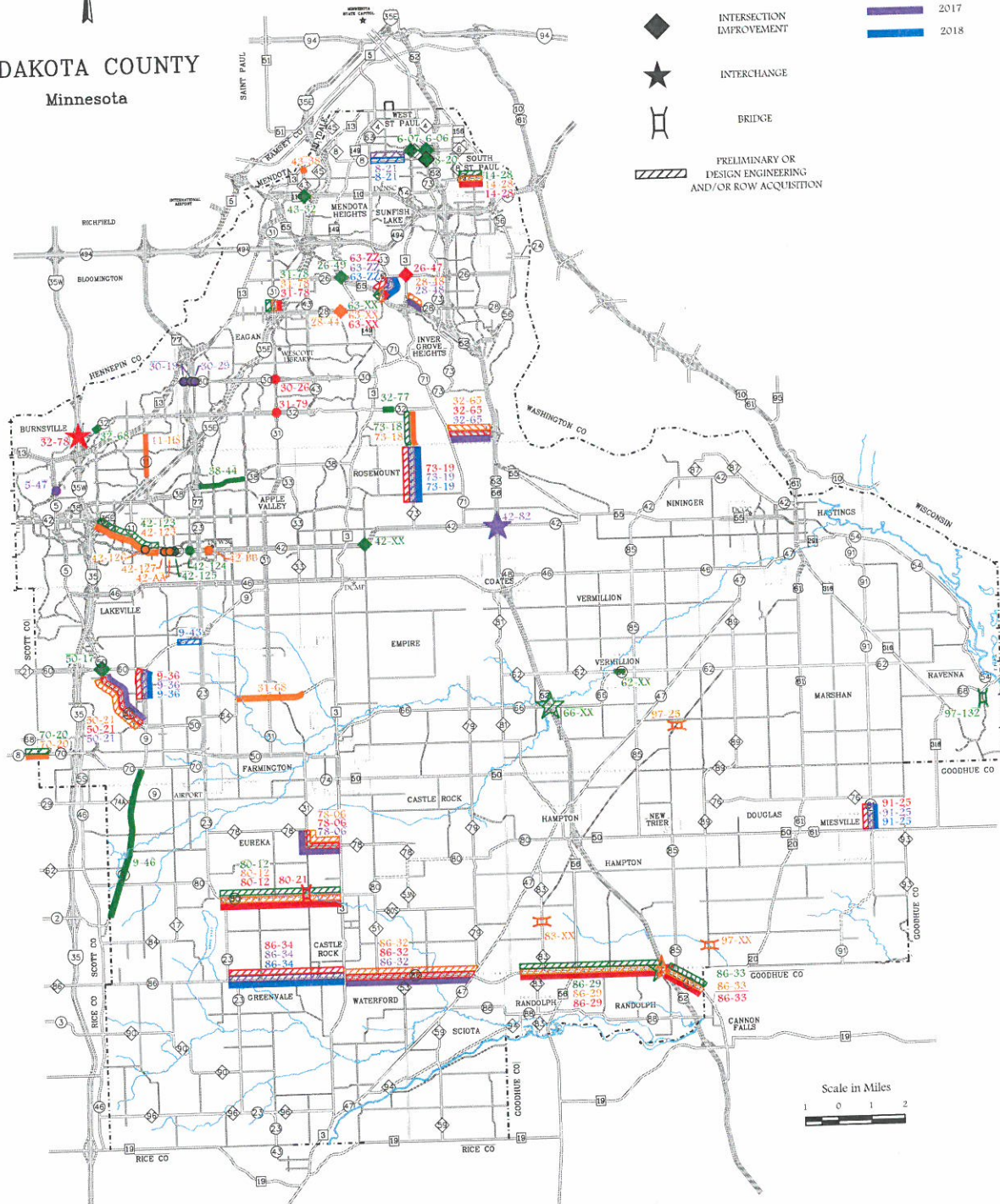
# CIP 2014-2018



DAKOTA COUNTY  
Minnesota

## LEGEND

| SYMBOL | TYPE OF PROJECT  | COLOR | YEAR |
|--------|--|-------|------|
|        | CONSTRUCTION   |       | 2014 |
|        | TRAFFIC SIGNAL   |       | 2015 |
|        | INTERSECTION IMPROVEMENT                                 |       | 2016 |
|        | INTERCHANGE  |       | 2017 |
|        | BRIDGE   |       | 2018 |
|        | PRELIMINARY OR DESIGN ENGINEERING AND/OR ROW ACQUISITION |       |      |



Prepared by Dakota County Transportation Department 25 October 2013

# 2015 CAPITAL BUDGET

## and 2015 - 2019 TRANSPORTATION CAPITAL IMPROVEMENT PROGRAM

**I. Description and Location:**

REPLACEMENT: Roadway Reconstruction  
 Reconstruction of CSAH 86 (280th St) from east of CSAH 23 to TH 3 in Eureka, Castle Rock, Waterford, and  
 Greenvale Townships.  
 2016 - Design  
 2017 - Right of Way Acquisition  
 2018 - Construction

Department: Transportation

Project Location:

Eureka, Castle Rock, Greenvale & Waterford Twp

Project Descr:

Design, Right of Way Acquisition, Construction

Center No:

T86034

Useful Life:

40 Years

Project Type:

Replacement: - Roadway Reconstruction

Priority:

High

**III. Impact on Operating and Maintenance Costs:**

Additional shoulder and turn lane maintenance.

**II. Purpose and Justification:**

This project will improve CSAH 86 roadway operations, make safety improvements and provide for the increased traffic levels. The CSAH 86 roadway project will be coordinated with the Union Pacific Railroad bridge replacement project in Castle Rock.

**IV. Effect on County Revenues:**

Increase of \$4,033,190 State Aid.

| Project Revenues      | Prior to 2015 Revenues | 2015 | 2016             | 2017               | 2018               | 2019 | Beyond 2019 | Total Project      |
|-----------------------|------------------------|------|------------------|--------------------|--------------------|------|-------------|--------------------|
| Property Tax          |                        |      | \$85,680         | \$428,490          | \$1,214,340        |      |             | \$1,728,510        |
| Federal               |                        |      |                  |                    |                    |      |             |                    |
| State/Metro           |                        |      | \$199,920        | \$999,810          | \$2,833,460        |      |             | \$4,033,190        |
| Other                 |                        |      |                  |                    |                    |      |             |                    |
| <b>Total</b>          |                        |      | <b>\$285,600</b> | <b>\$1,428,300</b> | <b>\$4,047,800</b> |      |             | <b>\$5,761,700</b> |
| Project Expenditures  | Prior to 2015 Expenses | 2015 | 2016             | 2017               | 2018               | 2019 | Beyond 2019 | Total Project      |
| Land Acquisition      |                        |      |                  | \$1,428,300        |                    |      |             | \$1,428,300        |
| New Construction      |                        |      |                  |                    | \$4,047,800        |      |             | \$4,047,800        |
| Modifications/Repairs |                        |      |                  |                    |                    |      |             |                    |
| Consulting Services   |                        |      | \$285,600        |                    |                    |      |             | \$285,600          |
| Other                 |                        |      |                  |                    |                    |      |             |                    |
| <b>Total</b>          |                        |      | <b>\$285,600</b> | <b>\$1,428,300</b> | <b>\$4,047,800</b> |      |             | <b>\$5,761,700</b> |



C O U N T Y

**Physical Development Division**

Dakota County  
Western Service Center  
14955 Galaxie Avenue  
Apple Valley, MN 55124-8579

952.891.7000  
Fax 952.891.7031  
[www.dakotacounty.us](http://www.dakotacounty.us)

**Environmental Resources**

*Land Conservation  
Groundwater Protection  
Surface Water  
Waste Regulation  
Environmental Initiatives*

**Office of Planning**

**Operations Management**

*Facilities Management  
Fleet Management  
Parks*

**Transportation**

*Highways  
Surveyor's Office  
Transit Office*

November 24, 2014

Elaine Koutsoukos, Transportation Coordinator  
Transportation Advisory Board  
Metropolitan Council  
390 North Robert Street  
St. Paul, MN 55101

RE: Federal STP Letter of Funding and Maintenance for  
*CSAH 86 Roadway Reconstruction/Modernization Project*

Dear Ms. Koutsoukos:

The County Board of Commissioners has committed to contribute funds toward the construction of the proposed CSAH 86 (280<sup>th</sup> Street) construction project.

Dakota County is the agency with jurisdiction over the CSAH 86 roadway and is submitting the project for federal funds. Dakota County commits to operate and maintain CSAH 86 for its useful life and not change the use of any right-of-way acquired without prior approval from the Minnesota Department of Transportation and the Federal Highway Administration.

We will be happy to answer any questions you may have regarding this project.

Sincerely,

Mark J. Krebsbach, P.E.  
Transportation Director/County Engineer



## DAKOTA COUNTY PHYSICAL DEVELOPMENT COMMITTEE

---

**Approval Of Grant Application Submittals For Transportation Advisory Board 2014 Federal Funding Solicitation Process**

|   |  |
|---|--|
| Meeting Date: 11/18/2014                        | Fiscal/FTE Impact:   |
| Item Type: Regular-Action                       | <input type="checkbox"/> None <input checked="" type="checkbox"/> Other              |
| Division: Physical Development                  | <input type="checkbox"/> Current budget <input type="checkbox"/> Amendment requested |
| Department: Physical Development Administration | <input type="checkbox"/> New FTE(s) requested  |
| Contact: Stwora, Erin                           | Board Goal: Thriving People  |
| Contact Phone: (952) 891-7153                   |  |
| Prepared by: Mertens, John                      |  |

**PURPOSE/ACTION REQUESTED**

Approve projects to be submitted to the Transportation Advisory Board (TAB) for Federal Funding through Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21).

**SUMMARY**

The TAB is requesting project submittals for MAP-21 funding through the Regional Solicitation process. MAP-21 funding provides up to 80 percent of the project construction cost. Agencies applying for funding must commit to providing local funds to match the federal funds and maintaining the constructed facilities for their useful life. Projects are being considered for federal fiscal years 2017, 2018 and 2019. Project submittals are due December 1, 2014.

This is the first Regional Solicitation since the adoption of Thrive MSP 2040. The solicitation and the criteria by which the applications will be scored have been modified by the TAB to more closely align with Thrive MSP 2040. In addition, the solicitation has been restructured so that projects will now be submitted and evaluated based on mode (Roadways, Bicycle and Pedestrian Facilities, and Transit) instead of federal funding categories.

Staff is proposing to submit fifteen applications through this process (Attachments A, C and D). This includes eleven Roadway projects and four Bicycle and Pedestrian Facilities projects. Staff will prepare these applications in partnership with affected cities and the Minnesota Department of Transportation (Mn/DOT). All proposed projects are consistent with the adopted Dakota County Comprehensive Plan. Project numbers 2 and 7 are not in the current 2014-2018 Capital Improvement Program (CIP), but they are included in the proposed 2015-2019 CIP. Project numbers 10, 11, 12, 13 and 14 are not in the current CIP or the proposed 2015-2019 CIP. Should the County be awarded funding for these projects, they will be included in the proposed 2016-2020 CIP for the Board's consideration.

Dakota County works with communities to submit projects that share common goals. The eight projects listed in Attachment B (County Supported 2014 Regional Solicitation Applications) and shown in Attachment E will be submitted by our partners. These applications include a Transit project to be submitted by the Minnesota Valley Transit Authority (MVTA) and seven Bicycle and Pedestrian Facilities projects to be submitted by cities. Dakota County will provide grant writing assistance and assume the 20% local match requirement for greenway projects. For non-greenway projects, Dakota County will provide matching funds consistent with the Dakota County transportation cost share policy.

**RECOMMENDATION**

Staff recommends submittal of fifteen project applications to the TAB for federal funding through the MAP-21 Regional Solicitation, and support for eight applications to be submitted by cities and MVTA.

**EXPLANATION OF FISCAL/FTE IMPACTS**

The applications for projects within cities will require a letter from the city indicating support for the project and a commitment to pay their share of the matching funds. Local match is at least 20% and will be provided out of the Transportation or Parks CIP consistent with County cost participation policies.

**Supporting Documents:**

Attachment A – County-Lead 2014 Regional Solicitation Applications  
 Attachment B – City-Lead 2014 Regional Solicitation Applications  
 Attachment C – Location Map: Roadway Applications  
 Attachment D – Location Map: Trails and Pedestrian Facilities  
 Attachment E – Location Map: County Supported 2014 Applications

**Previous Board Action(s):****RESOLUTION**

WHEREAS, the Transportation Advisory Board (TAB) is requesting project submittals for federal funding under the Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21); and

WHEREAS, these federal programs fund up to 80 percent of project construction costs; and

WHEREAS, federal funding of projects reduces the burden local taxpayers for regional improvements; and

WHEREAS, non-federal funds must be at least 20 percent of the project costs; and

WHEREAS, project submittals are due on December 1, 2014; and

WHEREAS, all projects proposed are consistent with the adopted Dakota County Comprehensive Plan.

NOW, THEREFORE, BE IT RESOLVED, That the Dakota County Board of Commissioners hereby approves the following County lead projects for submittal to the TAB for federal funding:

1. County State Aid Highway (CSAH) 9 (Dodd Boulevard) from Hayes Avenue to CSAH 23 (Cedar Avenue) in Lakeville
2. CSAH 26 (Lone Oak Road) at its intersection with CSAH 43 (Lexington Avenue) in Eagan
3. CSAH 26 (70<sup>th</sup> Street) at its intersection with Trunk Highway (TH) 3 in Inver Grove Heights
4. CSAH 28/63 (Yankee Doodle Road/Argenta Trail) from south of TH 55 to south of CSAH 26 (70<sup>th</sup> Street)
5. CSAH 31 (Pilot Knob Road) from I-35E to north of Central Parkway in Eagan
6. CSAH 42 (145<sup>th</sup> Street East) at its interchange with TH 52 in Rosemount
7. CSAH 23 (Foliage Avenue) from CSAH 86 (280<sup>th</sup> Street) to CR 96 (320<sup>th</sup> Street) in Greenvale Township
8. CSAH 86 (280<sup>th</sup> Street) from CSAH 23 (Galaxie Avenue) to TH 3 in Eureka, Greenvale, Castle Rock, and Waterford Townships
9. CSAH 86 (280<sup>th</sup> Street) from TH 3 to CSAH 47(Northfield Blvd) in Castle Rock, Waterford, and Sciota Townships
10. CSAH 31 and CSAH 46 Advanced Traffic Management System for 16 Signals
11. CSAH 26, CSAH 28, CSAH 31, and CSAH 43 Advanced Traffic Management System for 25 Signals
12. Mississippi River Regional Trail – Rosemount East
13. Minnesota River Greenway – Eagan South
14. North Creek Greenway – CSAH 42 Underpass east of Flagstaff in Apple Valley
15. CSAH 14 (Southview Boulevard) from 14<sup>th</sup> Avenue to 3<sup>rd</sup> Avenue in South St. Paul; and

BE IT FURTHER RESOLVED, That, subject to federal funding award, the Dakota County Board of Commissioners would be asked to consider authorization to execute the grant agreement at a future meeting; and

BE IT FURTHER RESOLVED, That the Dakota County Board of Commissioners hereby supports the following submittals by others:

16. Apple Valley Transit Station Parking Expansion – Lead Agency: Minnesota Valley Transit Authority
17. CSAH 73 (Oakdale Ave) Trail from CSAH 14 to CSAH 8 – Lead Agency: West St. Paul
18. River to River Greenway Robert Street Pedestrian Bridge – Lead Agency: West St. Paul
19. North Creek Greenway – Farmington Gap – Lead Agency: Farmington
20. Lake Marion Greenway – Sunset Park to Murphy Hanrehan Regional Park – Lead Agency: Burnsville
21. Lake Marion Greenway – Ritter Farm Park Connection – Lead Agency: Lakeville
22. Rosemount Greenway – Downtown Rosemount to Lebanon Hills – Lead Agency: Rosemount
23. Vermillion Highlands Greenway – CSAH 42 Underpass at Akron- Lead Agency : Rosemount; and

BE IT FURTHER RESOLVED, That, subject to federal funding award of the city lead projects, the Dakota County Board of Commissioners will provide the local match for regional greenway projects, and for non-greenway projects will provide Dakota County's share of the matching funds consistent with Dakota County transportation cost share policies.

**County Manager's Comments:**

- Recommend Action
- Do Not Recommend Action
- Reviewed---No Recommendation
- Reviewed---Information Only
- Submitted at Commissioner Request

**Reviewed by (if required):**

- County Attorney's Office
- Financial Services
- Risk Management
- Employee Relations
- Information Technology
- Facilities Management



County Manager

# 2014 Regional Solicitation Applications

## Roadway Projects

### Expansion Projects

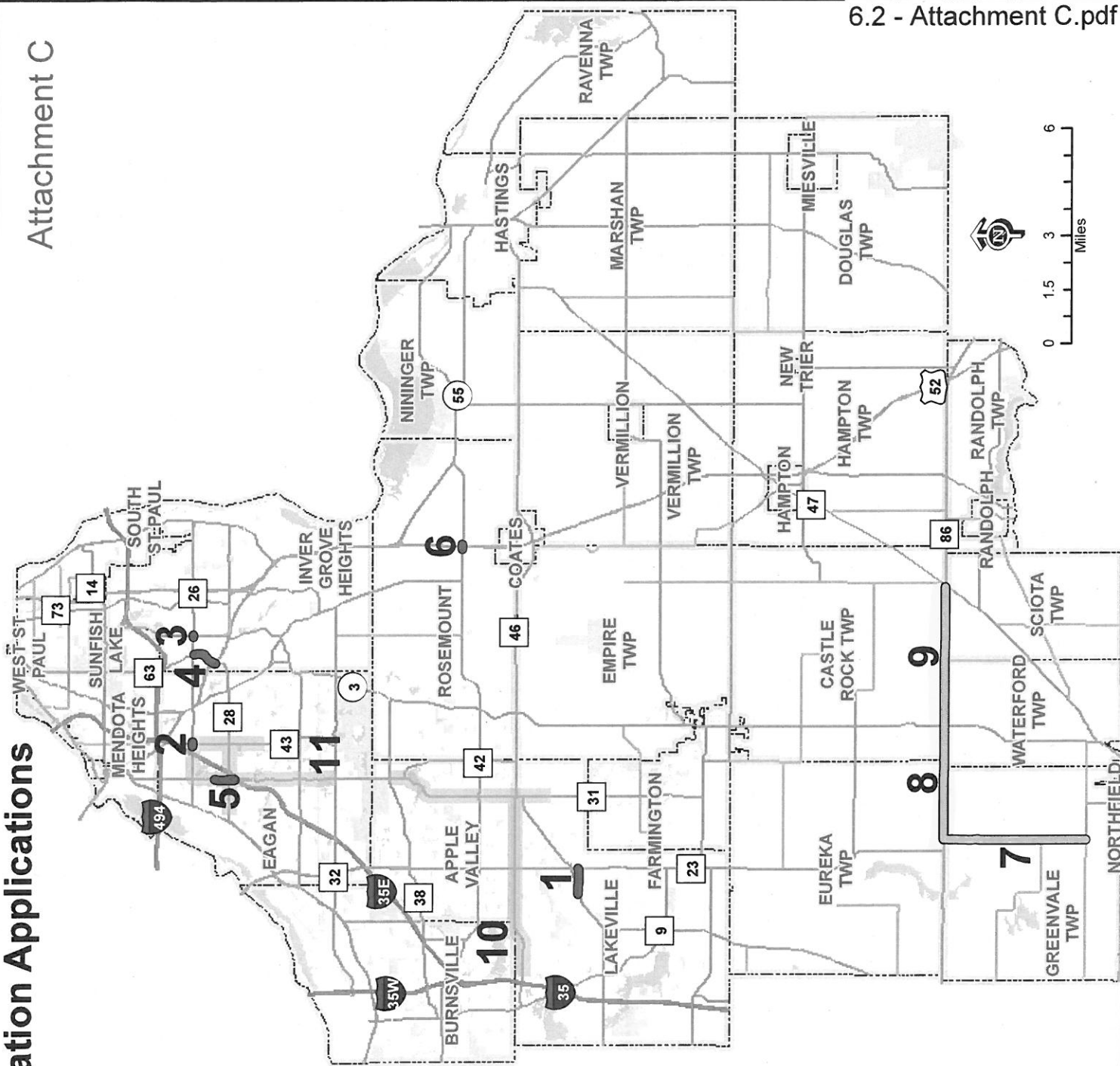
1. CSAH 9 (Dodd Blvd)
2. CSAH 26 (Lone Oak Rd)
3. CSAH 26 (70th St.)
4. CSAH 28/CSAH 63
5. CSAH 31
6. CSAH 42

### Reconstruction/Modernization

7. CSAH 23
8. CSAH 86 - West
9. CSAH - East

### Roadway System Management

10. CSAH 31/CSAH 46
11. CSAH 26, 28, 31, 43





# 10-Ton Highways



Prepared by:  
Dakota County Office of GIS, 1/2012.

## Addressing the Issues

The following are potential actions and revisions to the Plan to address these issues.

### *Gravel Roads Maintenance Costs*

- The County now uses lime rock in place of gravel for gravel road surfaces. Lime rock has proven to last longer and can accommodate a greater number of vehicles than gravel without substantial maintenance needs.

### *Signal Age and Replacement Needs*

- County staff will evaluate alternatives to address County signal system aging issues including full or partial replacements.

## Highway Replacement and Reconstruction

The County highway system consists of County State Aid Highways (CSAH) and County Roads (CR). The County will reconstruct highways when they have exceeded their functional lives. The highway useful life is based on the adequacy of structural, operational or functional highway elements. Safety and operational improvements are also incorporated into reconstruction projects when appropriate. Even with proactive preservation, eventually highway replacement becomes the most cost-effective approach and introduces state of the art design, construction and operation. The County considers the general expected highway life to be 70 years. The current Dakota County highway system age is shown by highway segment in Figure 40.



Highway age will be one factor in considering reconstruction (replacement) needs of the highway. Additional analysis including assessment of safety and the structure of the individual highway segments will be conducted to better determine the actual replacement needs. Future prioritization and timing of projects will still be based on a number of factors per Plan policies.

The following are the estimated annual CIP investments for highway replacement over the plan period including estimated investments for County Roads:

- 2011-2015 = \$5.0 million (\$2.5 million for County Roads)\*
- 2016-2020 = \$12.4 million (\$1.1 County Roads)\*
- 2021-2030 = \$8.7 million (\$0.2 million for County Roads)\*

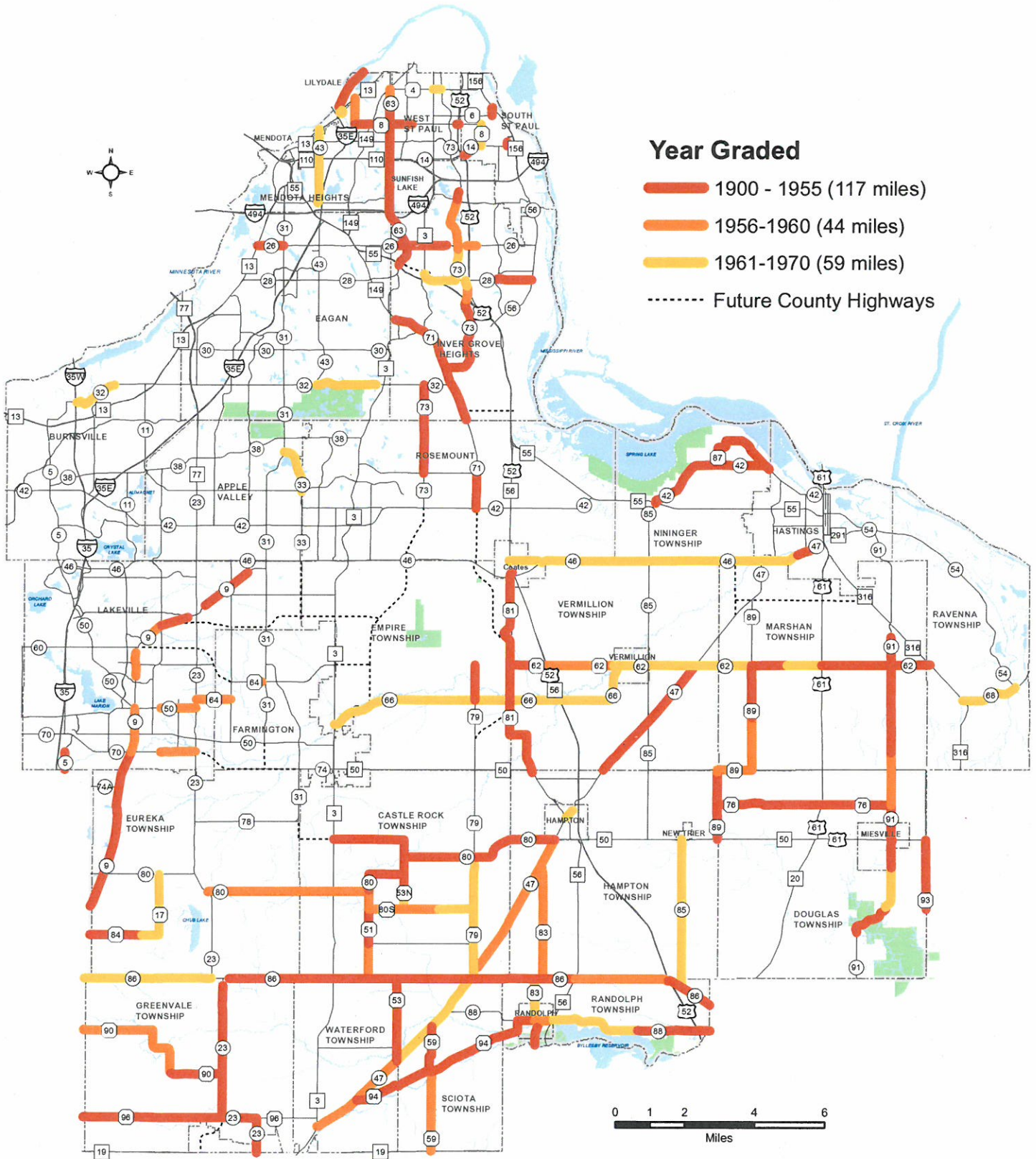
\*Figures based on existing information. Additional safety and structural analysis to be completed.

The following **policy** supports replacement and reconstruction of deficient highway elements of the system.

### **R.1 Highway Replacement**

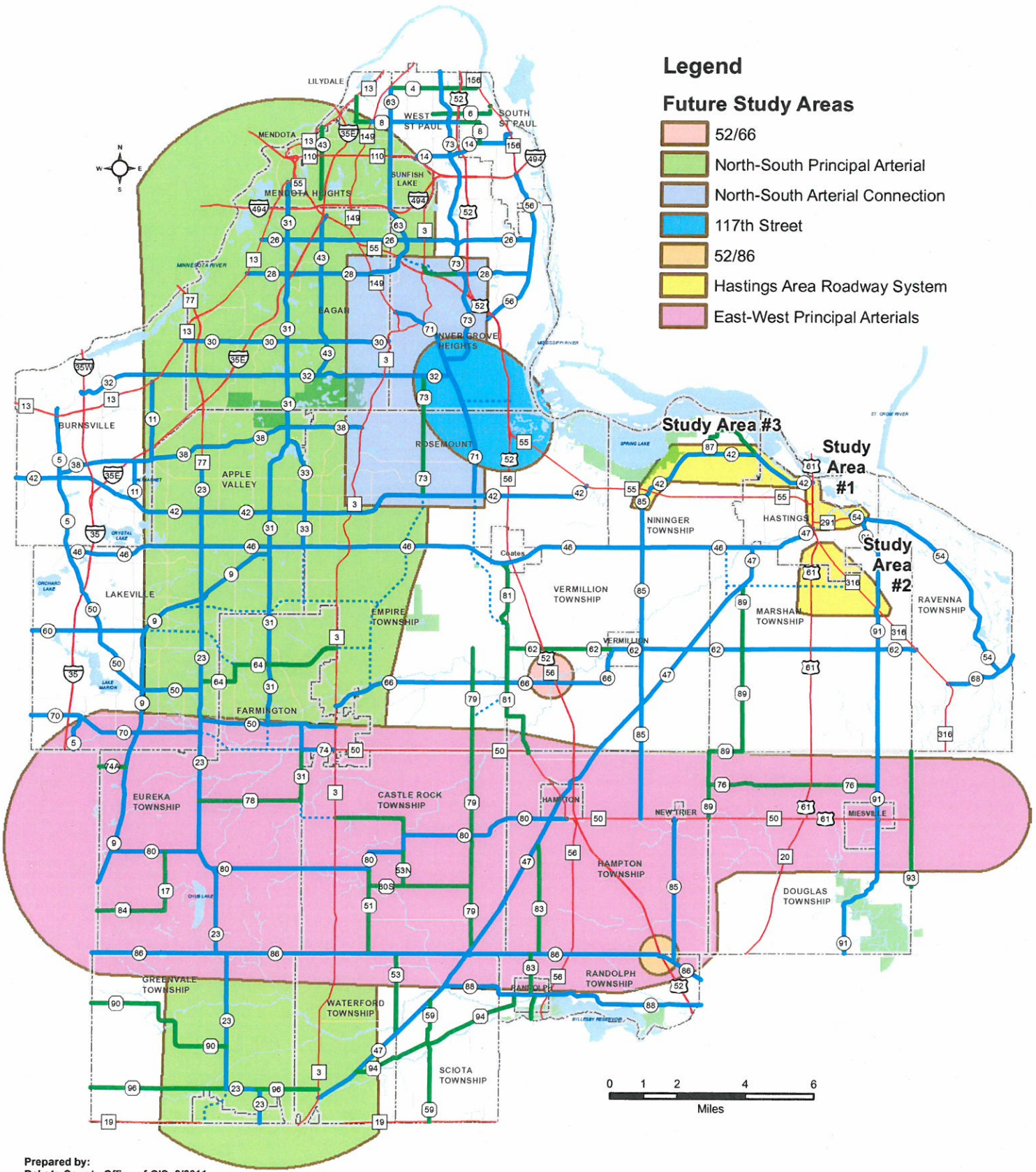
Reconstruct highways or highway elements that have exceeded their useful life based on structural, functional, operational or safety factors.

# Dakota County Road Age



Prepared by:  
Dakota County Office of GIS, 1/2012.

# Future Studies



Prepared by:  
Dakota County Office of GIS, 9/2011.

Dakota County 2030 Transportation Plan - Figure 46



## Minnesota Department of Transportation

Metro District

1500 West County Road B-2

Roseville, MN 55111

November 25, 2014

Brian K. Sorenson, PE  
Assistant County Engineer  
Dakota County Transportation Department  
14955 Galaxie Avenue  
Apple Valley, MN 55124

RE: Regional Solicitation Application to Reconstruct CSAH 86 from CSAH 23 to Hwy 3

Dear Mr. Sorenson:

Thank you for requesting a letter of support from MnDOT for the Metropolitan Council's 2014 Regional Solicitation. Your application to reconstruct CSAH 86 from CSAH 23 to Hwy 3 impacts MnDOT right of way on Hwy 3.

As the agency with jurisdiction over Hwy 3, MnDOT supports the application for reconstruction. Details of any future maintenance agreement with the county will be determined during project development.

This project currently has no funding from MnDOT.

Sincerely,

A handwritten signature in blue ink that reads "Scott McBride".

Scott McBride, P.E.  
Metro District Engineer

Cc: Elaine Koustoukos, Metropolitan Council  
Jon Solberg, MnDOT Metro District - South Area Manager

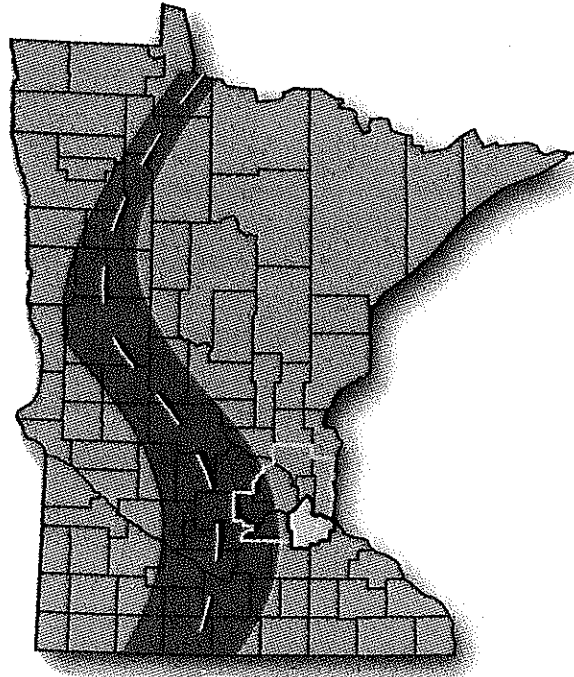
An Equal Opportunity Employer



# Dakota County

COUNTY ROADWAY

July 2013



*Dakota*  
COUNTY

# Safety PLAN

Moving Toward **ZERO** Deaths

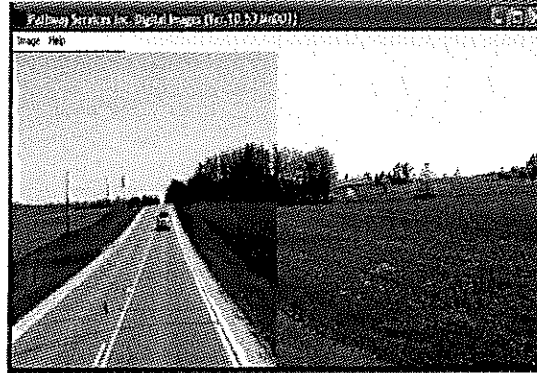
Prepared by:  
CH2M HILL  
SRF Consulting Group, Inc.

# CSAH 86 from CSAH 23 (EAST) to CSAH-47 Project

**Agency: Dakota County**

## Roadway Data

Type: CSAH  
 Number: 86  
Verbal  
 Start: CSAH 23 (EAST)  
 End: CSAH-47  
 City/Rural: Rural  
 County: Dakota  
 ATP: Metro  
 ADT: 3295  
 Facility Type: 2-Lane  
 Lane Width: 12'  
 Speed Limit: 55  
 Shoulder Width: 2'  
 Shoulder Type: Aggregate  
 Length (miles): 7.1  
 Rumble Installed: No



## Crash Data

2007-2011 MnCMAT Crash Data

5 years

|                             | Total | Lane Dept | Severe HO/SSO | K+A  |
|-----------------------------|-------|-----------|---------------|------|
| Crashes                     | 31    | 9         | 0             | 1    |
| Density (per mile per year) | 0.87  | 0.25      | 0.00          | 0.03 |
| Rate (per MVM)              | 0.73  | 0.21      | 0.00          | 0.02 |

## Ranking Criteria

|                               | Value | Critical | Road Departure<br>Risk Ranking |
|-------------------------------|-------|----------|--------------------------------|
| ADT Range                     | 3,295 | > 3,000  | ★                              |
| Lane Departure Density        | 0.25  | 0.55     |                                |
| Access Density                | 18.7  | 14.90    | ★                              |
| Curve Critical Radius Density | 0.14  | 0.32     |                                |
| Edge Risk                     | 2     | 2 or 3   | ★                              |
|                               |       |          | ★★★                            |

## Short List of Strategies Considered

| Description                          | Type      | Cost per mi | Mileage | Cost     | Notes - |
|--------------------------------------|-----------|-------------|---------|----------|---------|
| 2' Shoulder Pave+RS+Safety Wedge     | Proactive | \$40,000    | 0.0     | \$0      |         |
| Rumble Strip                         | Proactive | \$3,000     | 0.0     | \$0      |         |
| Rumble StripE                        | Proactive | \$3,500     | 7.1     | \$24,850 |         |
| 6" Edge Lines                        | Proactive | \$650       | 0.0     | \$0      |         |
| Ground In Wet-Reflective Markings    | Proactive | \$8,500     | 0.0     | \$0      |         |
| Center Line Rumble Strip             | Proactive | \$3,000     | 7.1     | \$21,300 |         |
| 4' Buffer w/Centerline Rumble Strips | Proactive | \$150,000   | 0.0     | \$0      |         |
| 12' Painted Median w/Left Turn Lanes | Proactive | \$500,000   | 0.0     | \$0      |         |

## Implementation Cost

|   |                 |
|---|-----------------|
| Federal Funds                           | \$41,535        |
| Local Match (10% of Total project cost) | \$4,615         |
| <b>Total Project Cost</b>               | <b>\$46,150</b> |

Page: 10  
 Segment ID: 86.02  
 Date: 7/17/2013

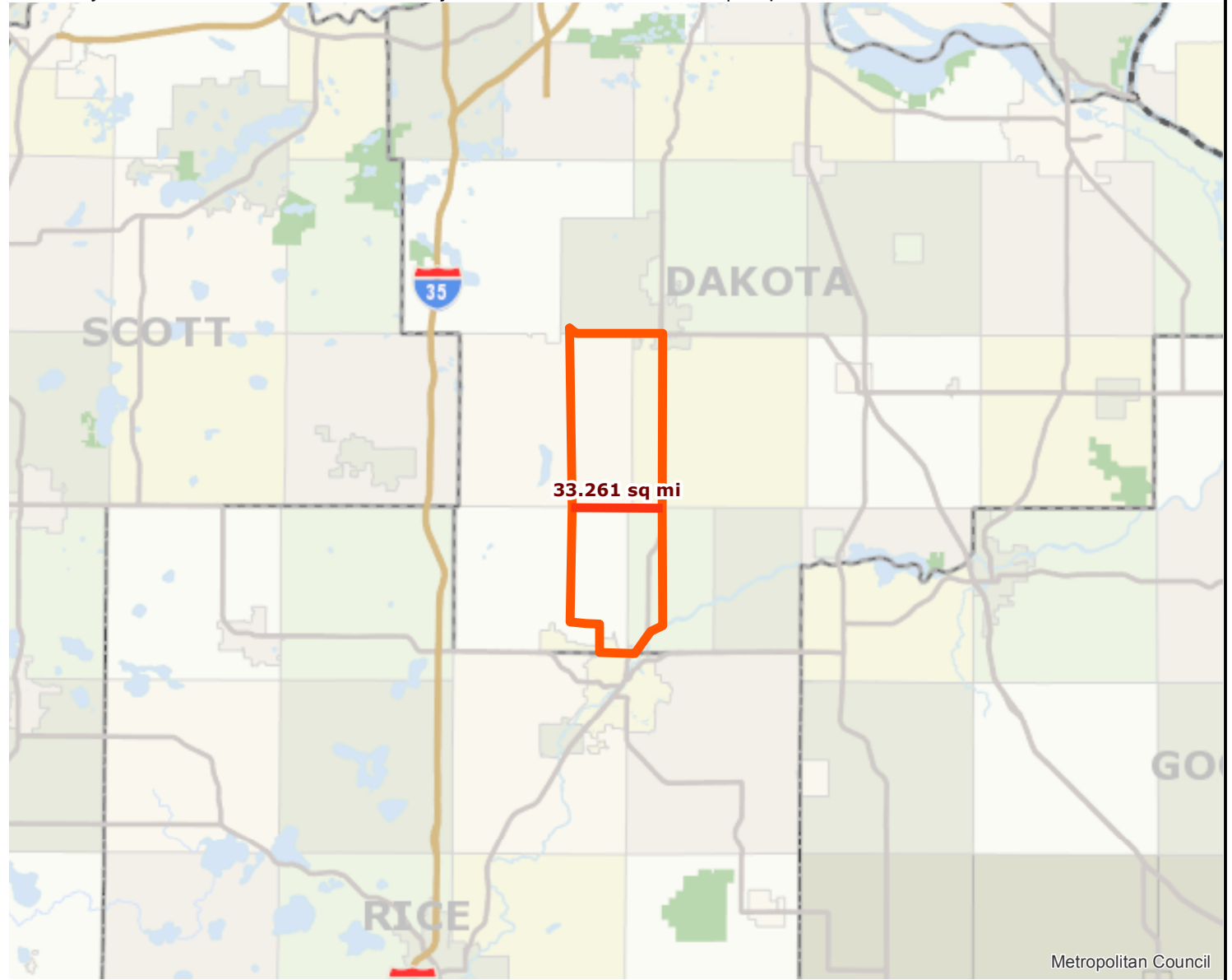
# Roadway Area Definition

Roadway Reconstruction/Modernization Project: Cсах86 Cсах23 to TH3 | Map ID: 1419954512524

## Results

Project Length: 3.159 miles

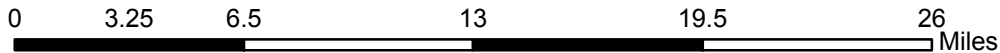
Project Area: 33.261 sq mi



Metropolitan Council

 Project

 Project Area



Created: 12/30/2014  
LandscapeRSA1



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<http://giswebsite.metc.state.mn.us/gissitenew/notice.aspx>





# Regional Economy

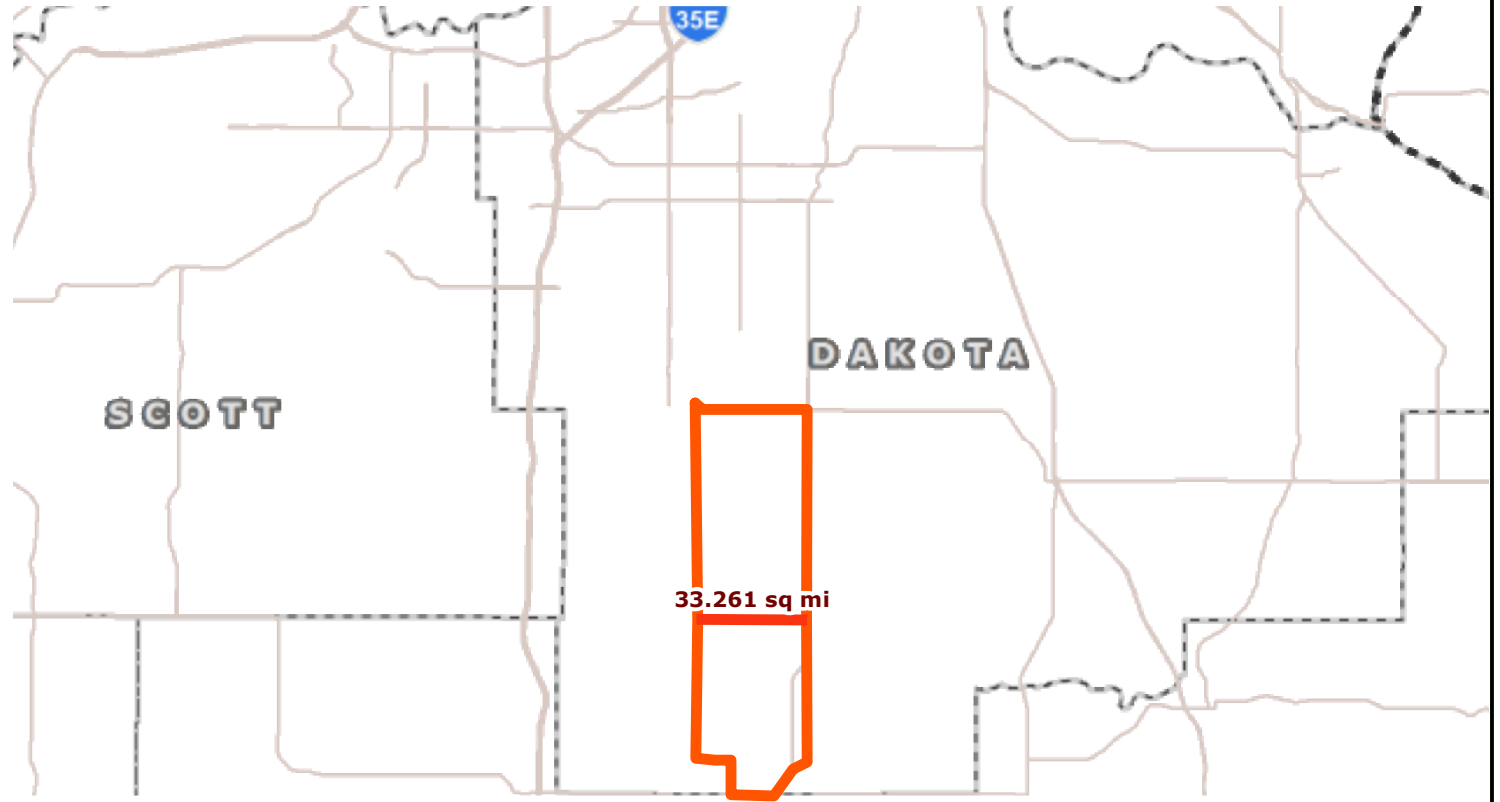
Roadway Reconstruction/Modernization Project: Cсах86 Cсах23 to TH3 | Map ID: 1419954512524

## Results

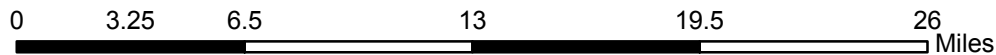
Project **NOT IN** area of Job Concentration.

Project **NOT IN** to area of Manufacturing and Distribution.

Project **NOT CONNECTED** to area of Education Institutions.



-  Project
-  Project Area



Created: 12/30/2014  
LandscapeRSA5

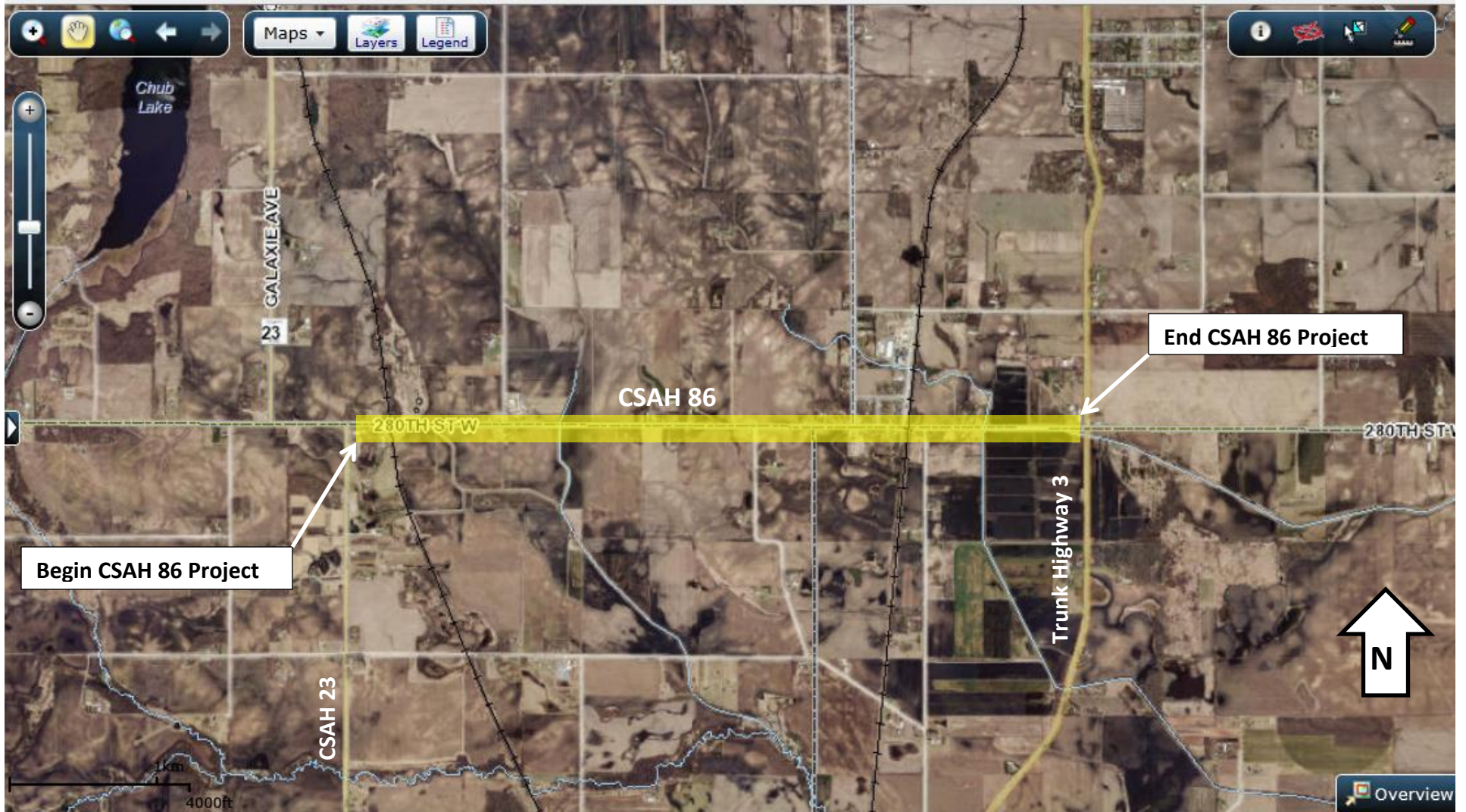


For complete disclaimer of accuracy, please visit  
<http://giswebsite.metc.state.mn.us/gissitenew/notice.aspx>



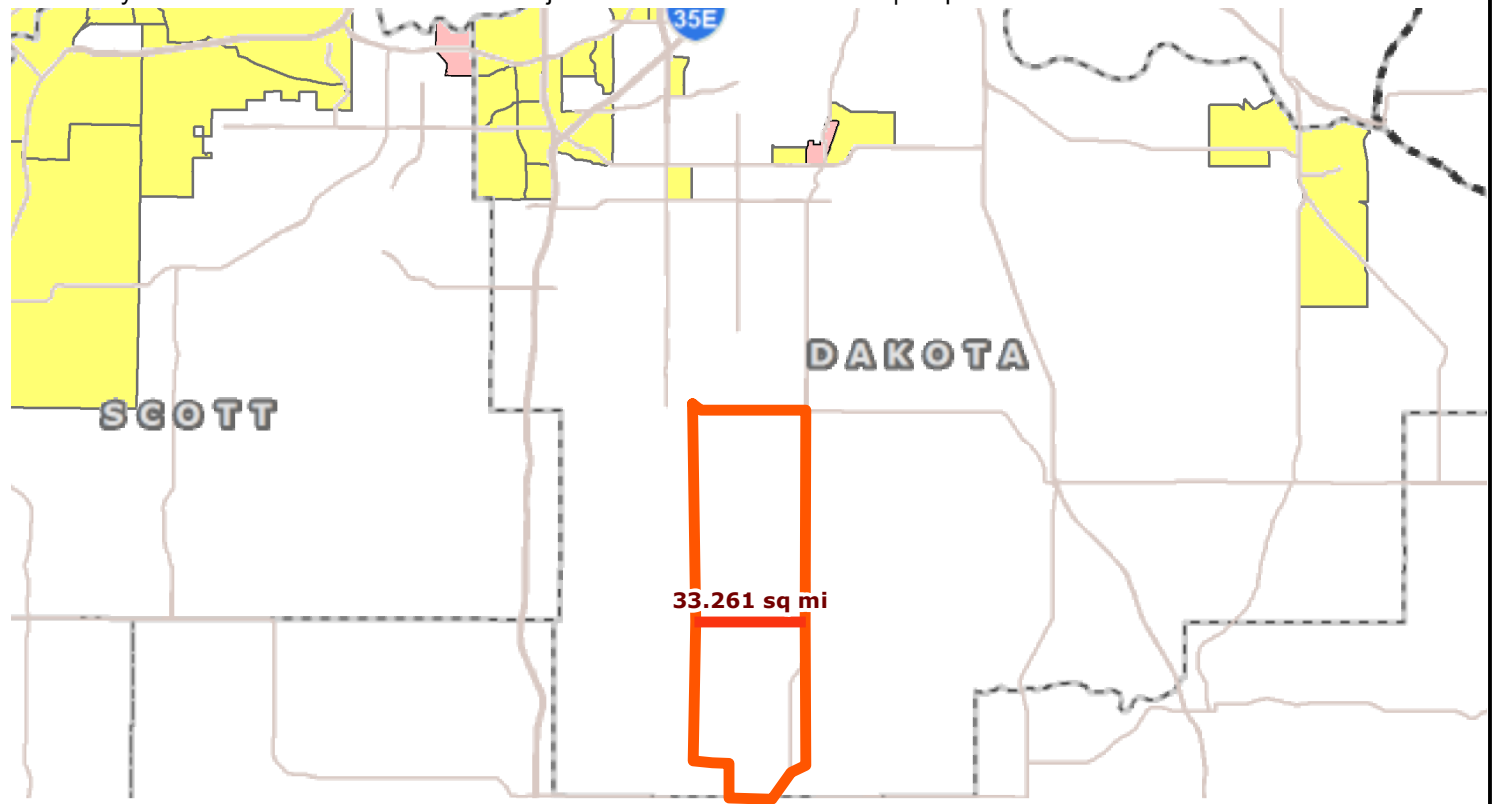
## Roadway Reconstruction/Modernization:

CSAH 86 Project Limits from east intersection of CSAH 23/CSAH 86 to TH 3 in Eureka, Castle Rock, Greenvale & Waterford Township

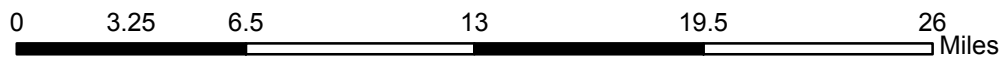


Results

Project **NOT IN** any area of concentrated poverty.



- Project
- Project Area
- Racially concentrated area of poverty
- Concentrated area of poverty
- Above reg'l avg conc of race/poverty

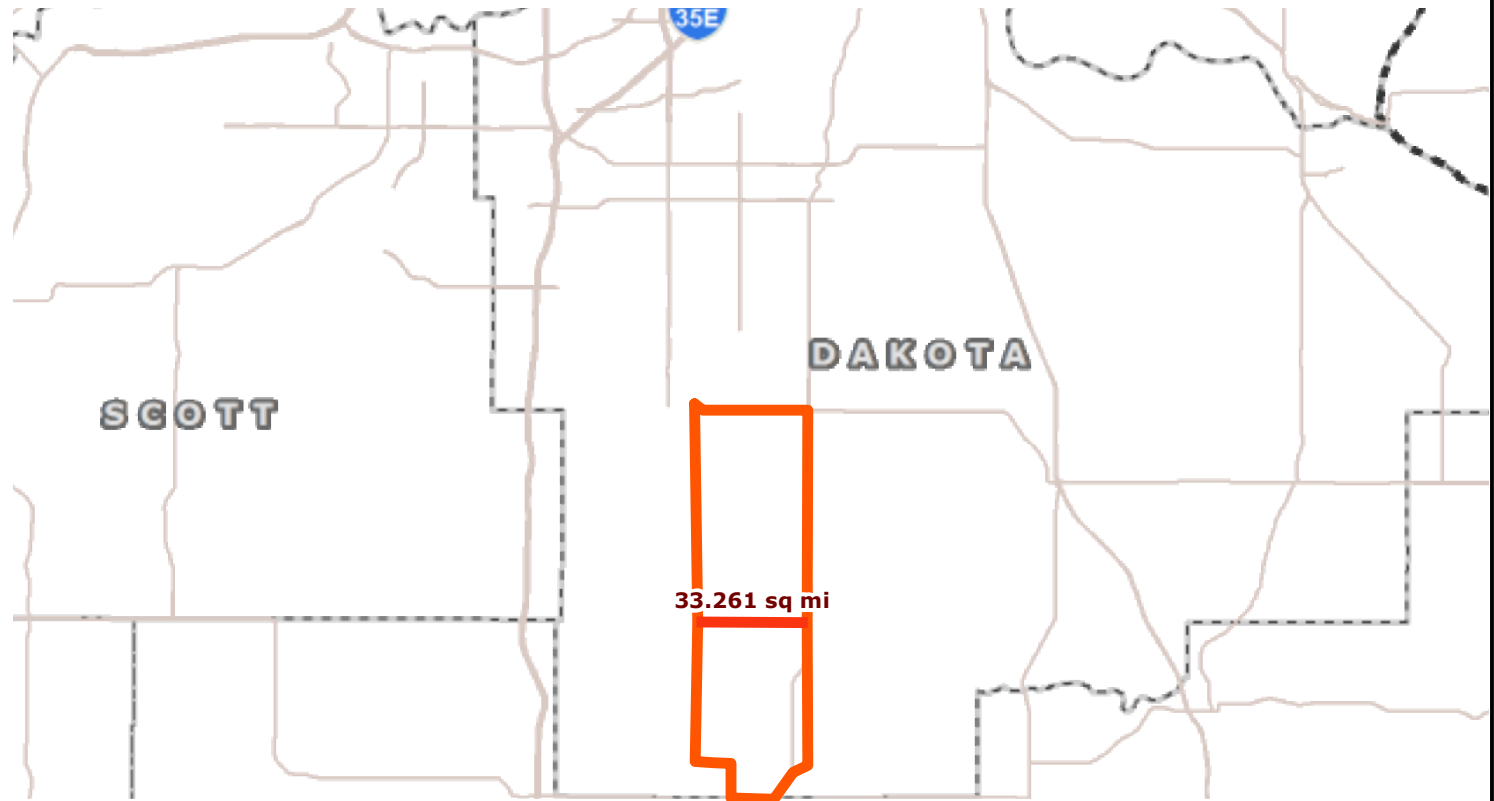


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LandscapeRSA2



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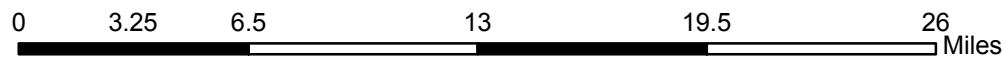


Results

Transit with a Direct Connection to project:  
-- NONE --

*\*indicates Planned Alignments*

-  Project
-  Project Area



Created: 12/30/2014  
LandscapeRSA3



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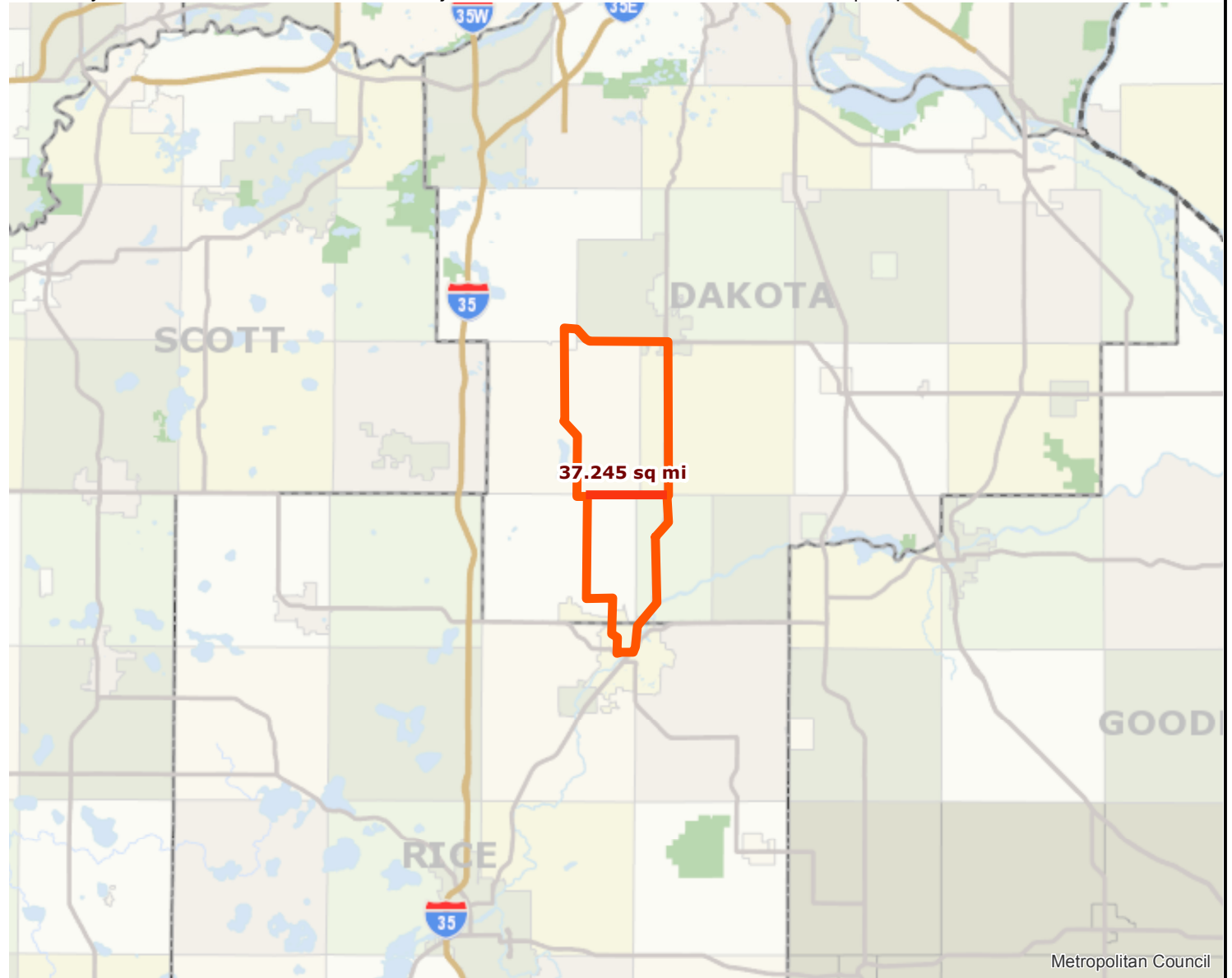
# Roadway Area Definition

Roadway Reconstruction/Modernization Project: CSAH 86 Recon/Mod CSAH 23/TH3 | Map ID: 1415135627090

## Results

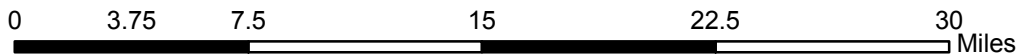
Project Length: 3.163 miles

Project Area: 37.245 sq mi



— Project

□ Project Area



Created: 11/4/2014  
LandscapeRSA1



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<http://giswebsite.metc.state.mn.us/gissitenew/notice.aspx>



# Regional Economy

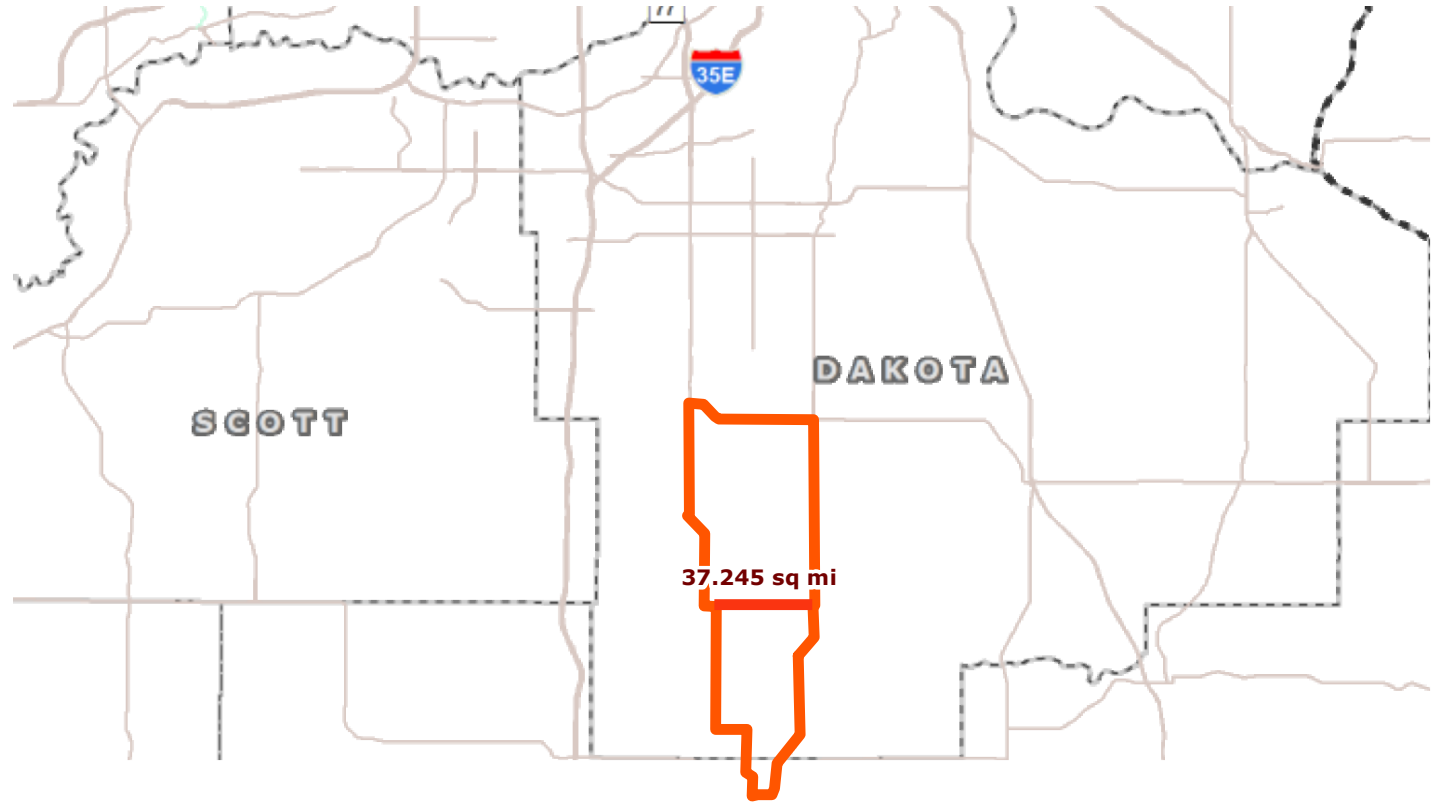
Roadway Reconstruction/Modernization Project: CSAH 86 Recon/Mod CSAH 23/TH3 | Map ID: 1415135627090

## Results

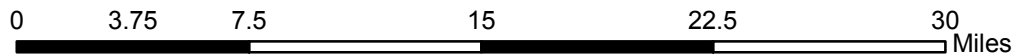
Project **NOT IN** area of Job Concentration.

Project **NOT IN** to area of Manufacturing and Distribution.

Project **NOT CONNECTED** to area of Education Institutions.



- Project
- Project Area











Created: 11/4/2014  
LandscapeRSA5



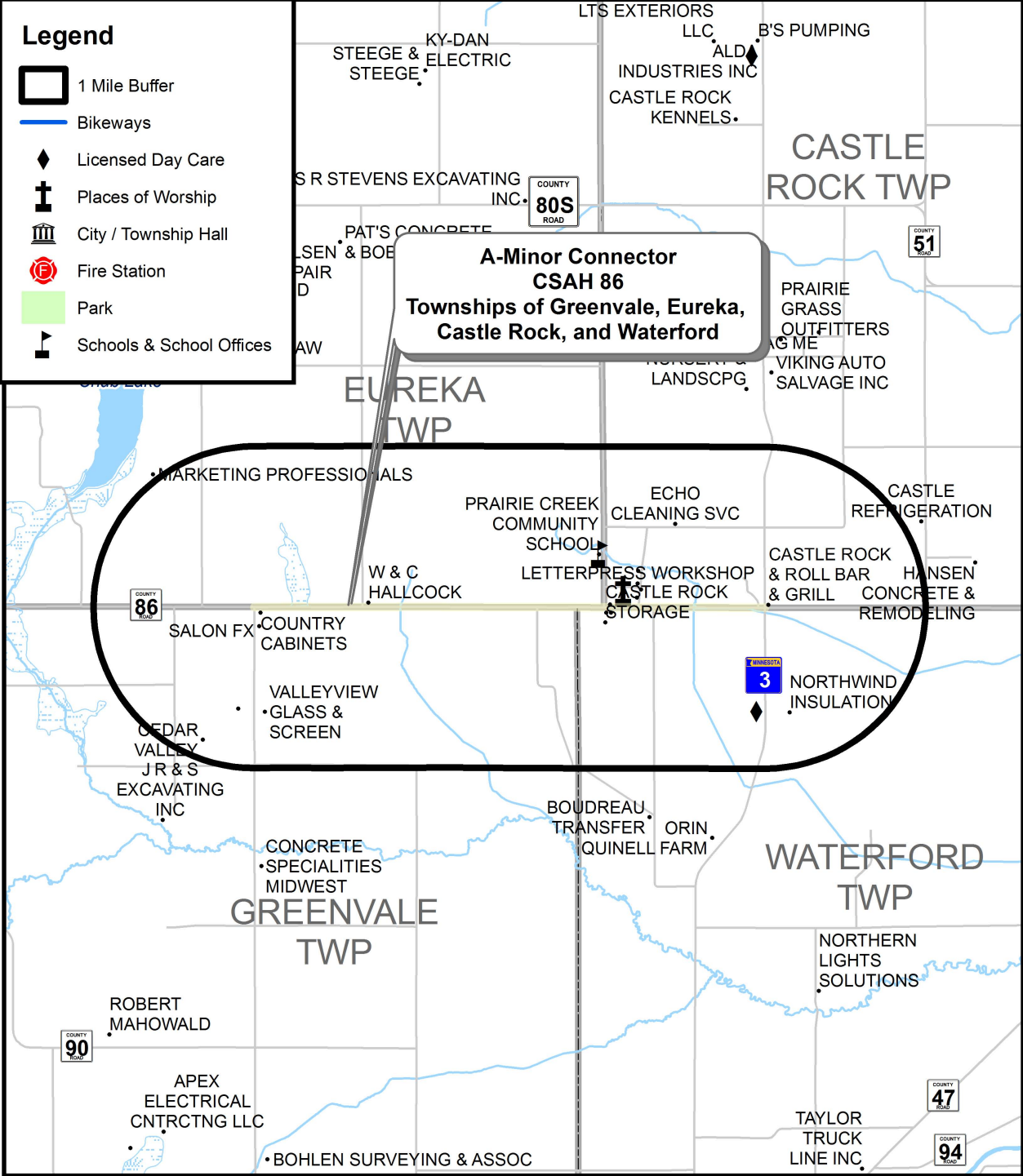
For complete disclaimer of accuracy, please visit  
<http://giswebsite.metc.state.mn.us/gissitenew/notice.aspx>



# Legend

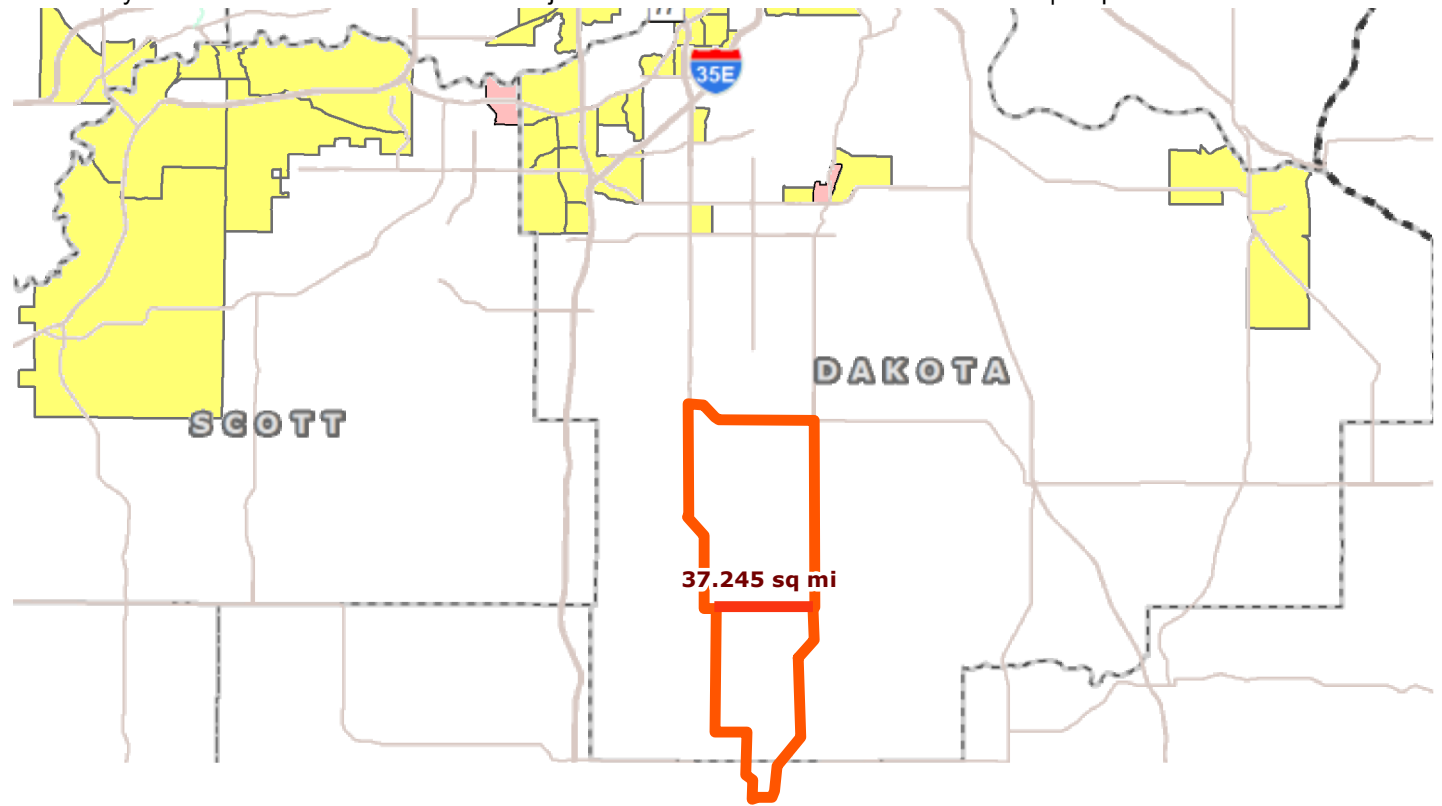
-  1 Mile Buffer
-  Bikeways
-  Licensed Day Care
-  Places of Worship
-  City / Township Hall
-  Fire Station
-  Park
-  Schools & School Offices

**A-Minor Connector  
CSAH 86  
Townships of Greenvale, Eureka,  
Castle Rock, and Waterford**

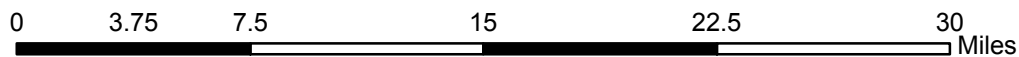


Results

Project **NOT IN** any area of concentrated poverty.



- Project
- Project Area
- Racially concentrated area of poverty
- Concentrated area of poverty
- Above reg'l avg conc of race/poverty



Created: 11/4/2014  
LandscapeRSA2



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## **CSAH 86 in Dakota County MN**

No Synchro or HCM analysis completed for this project.

## **CSAH 86 in Dakota County MN**

No Synchro or HCM analysis completed for this project.

# B/C worksheet

| Control Section              | T.H. / Roadway | Location                     | Beginning Ref. Pt. | Ending Ref. Pt. | State, County, City or Township | Study Period Begins | Study Period Ends |
|------------------------------|----------------|------------------------------|--------------------|-----------------|---------------------------------|---------------------|-------------------|
|                              | CSAH 23        | From Eveleth Ave. to CSAH 86 |                    |                 | Greenvale                       | 1/1/2011            | 12/31/2013        |
| Description of Proposed Work |                |                              |                    |                 |                                 |                     |                   |

| Accident Diagram Codes | 1 | 2 | 3 | 5 | 4, 7 | 8, 9 | Pedestrian | Other | Total |
|------------------------|---|---|---|---|------|------|------------|-------|-------|
|                        |   |   |   |   |      |      |            |       |       |

| Study Period: Number of Crashes | Fatal                | F  |  |   |   |  |   |   |   |
|---------------------------------|----------------------|----|--|---|---|--|---|---|---|
|                                 | Personal Injury (PI) | A  |  |   |   |  |   |   |   |
|                                 |                      | B  |  |   |   |  |   |   |   |
|                                 |                      | C  |  |   | 1 |  | 1 |   | 1 |
|                                 | Property Damage      | PD |  | 2 | 1 |  | 1 | 2 | 1 |

| % Change in Crashes | Fatal           | F  |  |      |      |  |      |      |      |
|---------------------|-----------------|----|--|------|------|--|------|------|------|
|                     | PI              | A  |  |      |      |  |      |      |      |
|                     |                 | B  |  |      |      |  |      |      |      |
|                     |                 | C  |  |      | -68% |  | -50% |      | -68% |
|                     | Property Damage | PD |  | -68% | -50% |  | -68% | -50% | -50% |

| Change in Crashes<br><small>= No. of crashes X % change in crashes</small> | Fatal           | F  |  |       |       |  |       |       |       |
|--|-----------------|----|--|-------|-------|--|-------|-------|-------|
|  | PI              | A  |  |       |       |  |       |       |       |
|  |                 | B  |  |       |       |  |       |       |       |
|  |                 | C  |  |       | -0.68 |  | -0.50 |       | -0.68 |
|  | Property Damage | PD |  | -1.35 | -0.50 |  | -0.68 | -1.00 | -0.50 |

Year (Safety Improvement Construction) **2017**

|                                 | Project Cost (exclude Right of Way) | Right of Way Costs (optional) | Traffic Growth Factor | Capital Recovery | 1. Discount Rate | 2. Project Service Life (n) | Total     |
|---------------------------------|-------------------------------------|-------------------------------|-----------------------|------------------|------------------|-----------------------------|-----------|
|                                 | \$ 4,050,000                        |                               | 3%                    |                  | 4.5%             | 20                          |           |
| Type of Crash                   |                                     | F                             | A                     | B                | C                | PD                          |           |
| Study Period: Change in Crashes |                                     |                               |                       |                  | -1.85            | -5.38                       |           |
| Annual Change in Crashes        |                                     |                               |                       |                  | -0.62            | -1.79                       |           |
| Cost per Crash                  |                                     | \$ 1,100,000                  | \$ 550,000            | \$ 160,000       | \$ 81,000        | \$ 7,400                    | \$ 63,208 |
| Annual Benefit                  |                                     |                               |                       |                  | \$ 49,950        | \$ 13,258                   |           |

**B/C = 0.27**

Using present worth values,  
**B = \$ 1,105,761**  
**C = \$ 4,050,000**  
 See "Calculations" sheet for amortization.

### Amortizing...

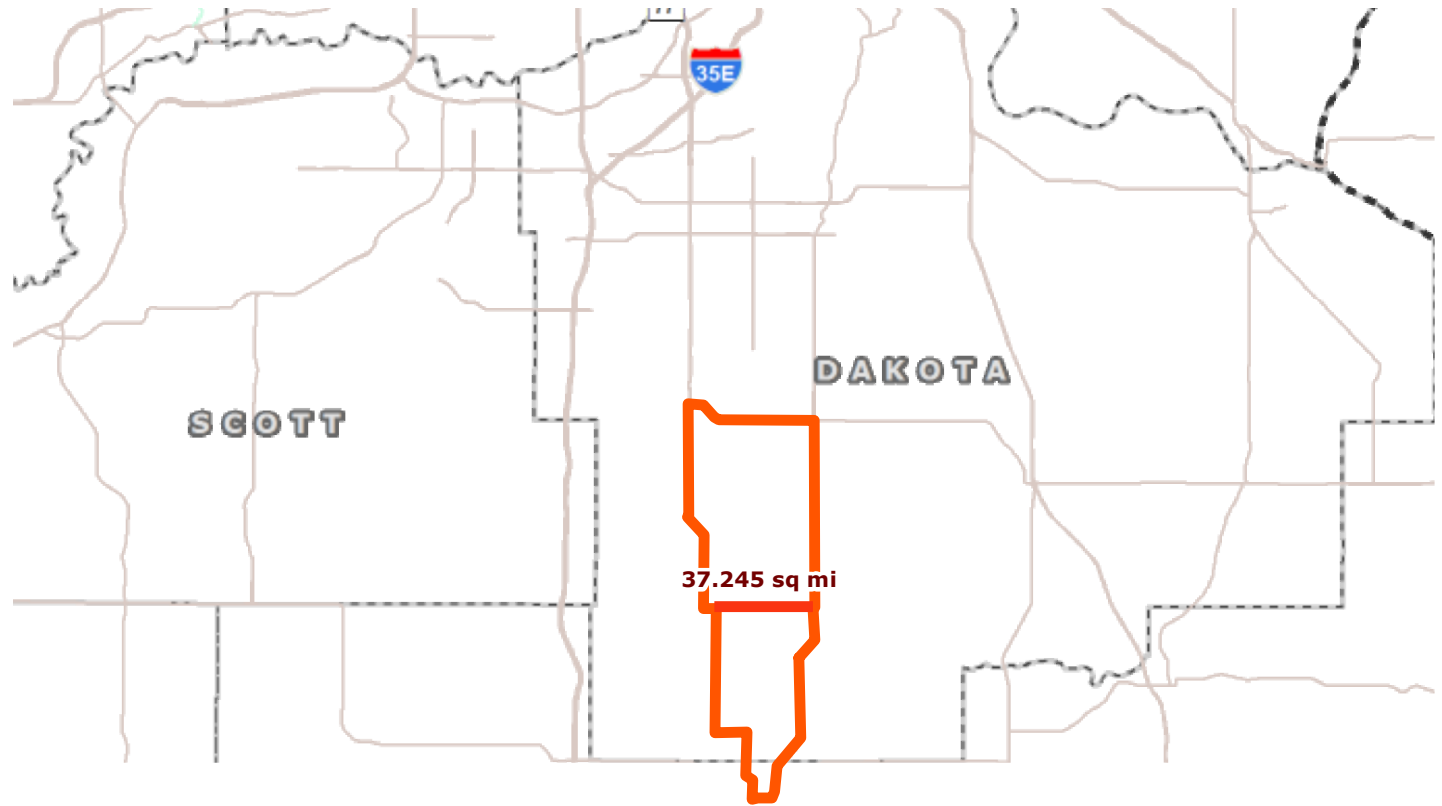
| Year | Crash Benefits | Present Worth Benefits | Present Worth Costs |
|------|----------------|------------------------|---------------------|
| 2017 | \$ 63,208      | \$ 63,208              | \$ 4,050,000        |
| 2018 | \$ 65,105      | \$ 62,301              |                     |
| 2019 | \$ 67,058      | \$ 61,407              |                     |
| 2020 | \$ 69,069      | \$ 60,525              |                     |
| 2021 | \$ 71,142      | \$ 59,657              |                     |
| 2022 | \$ 73,276      | \$ 58,800              |                     |
| 2023 | \$ 75,474      | \$ 57,956              |                     |
| 2024 | \$ 77,738      | \$ 57,124              |                     |
| 2025 | \$ 80,070      | \$ 56,304              |                     |
| 2026 | \$ 82,473      | \$ 55,496              |                     |
| 2027 | \$ 84,947      | \$ 54,700              |                     |
| 2028 | \$ 87,495      | \$ 53,914              |                     |
| 2029 | \$ 90,120      | \$ 53,140              |                     |
| 2030 | \$ 92,824      | \$ 52,378              |                     |
| 2031 | \$ 95,608      | \$ 51,626              |                     |
| 2032 | \$ 98,477      | \$ 50,885              |                     |
| 2033 | \$ 101,431     | \$ 50,154              |                     |
| 2034 | \$ 104,474     | \$ 49,435              |                     |
| 2035 | \$ 107,608     | \$ 48,725              |                     |
| 2036 | \$ 110,836     | \$ 48,026              |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |
| 0    | \$ -           | \$ -                   |                     |

**Totals =                    \$ 1,105,761    \$ 4,050,000**  
(B) (C)

year (n)= 1, 2, 3,....  
discount rate (i) = 7%

$$\text{Crash Benefits (@ year n)} = (\text{Crash Benefits})_{n-1} \times (1 + \text{Traffic Growth Factor})$$

$$\text{Present Worth Benefits (@ year n)} = (\text{Crash Benefits})_n \times 1/(1 + \text{Discount Rate})^n$$

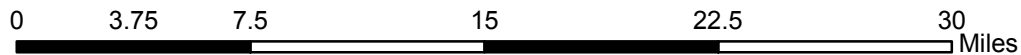


Results

Transit with a Direct Connection to project:  
-- NONE --

*\*indicates Planned Alignments*

- Project
- Project Area



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LandscapeRSA3



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