

ACTION TRANSMITTAL - 2014-70

DATE: October 9, 2014
TO: Technical Advisory Committee - Planning
FROM: Ramsey County
PREPARED BY: Bob Paddock, MTS Staff
SUBJECT: Roadway Functional Classification Change –Ramsey County
REQUESTED ACTION: Ramsey County requests that the TAC-Planning Committee approve the following roadway functional classification changes regarding Highway Avenue and the Rice Creek Commons Spine Road.
RECOMMENDED MOTION: That the TAC-Planning Committee move approval of the following changes and forward them to the TAC recommending ‘approval’.

- #1325** – Rice Creek Commons Spine Road (proposed CSAH9) from CSAH96 to I-35W be classified as an A-Minor Expander.
- #1326** – Highway Avenue from TH10 to the east I-35W ramp be reclassified from a B-Minor to an A-Minor Expander.

BACKGROUND AND PURPOSE OF ACTION: This change is part of a planned transportation system for the redevelopment of the Twin Cities Army Ammunition Plant property, which is now named Rice Creek Commons. The proposed arterial will provide a means of travel on the minor arterial system without accessing I-35W or traversing the TH10/I-35W commons.

RELATIONSHIP TO REGIONAL POLICY: The Transportation Advisory Board maintains a roadway functional classification system for all regional roads. TAB has delegated the responsibility of approving changes to the system to the Technical Advisory Committee, with the exception of Principal Arterials. Changes to all other roadways submitted by the agency with jurisdiction over the roadway are reviewed and recommended by the TAC Planning Committee, approved by TAC, and received as information by TAB.

STAFF ANALYSIS: Staff comments, if any, are included on the attached functional classification change request form. MnDOT asks that the county check to see that the federal guidelines for functional classification percentages are not exceeded.

COMMITTEE COMMENTS AND ACTION:

ROUTING

TO	ACTION REQUESTED	DATE COMPLETED
TAC Planning Committee	Review & Recommend	
Technical Advisory Committee	Review & Approve	
Transportation Advisory Board	Information	

Regional Functional Classification Change Request Form

ID Number: 1325

Date of Request: 10-1-14

Roadway Name: Rice Creek Commons Spine Road

Roadway CSAH # 9 (proposed- requires approval)

Roadway MSA #

Roadway County Rd #

Request Type: _____

Functional Classification Information:

Existing Roadway

Current Classification: -----

Requested Classification: -----

If other:

Planned Roadway

Current Classification: N/A

Requested Classification: A Minor Expander

If other:

Planned to existing Contingent Conditions: Road is opened

Other / Explain:

Request Information:

Change Start Location: CSAH 96

Change End Location: I-35W

Length of Requested Change (Miles): 1.50

Dependent on other Requested Changes: No

Road name(s) or ID Number(s) of dependent requests: 1326

Involves other jurisdictions (Yes) If "yes" please attach letter(s) of support

Purpose of Change: Please explain rationale for requested Change

This road segment is part of the planned transportation system for the redevelopment of the Twin Cities Army Ammunition Plant (TCAAP), now named Rice Creek Commons. Ramsey County proposes to construct the central "spine" road through the development as a Class A Minor Arterial Highway, using applicable State Aid standards for design, restricting access according to the standards of the MnDOT Access Management Manual, and utilizing context sensitive design principles. We propose to add this road segment to Ramsey County's CSAH system, and propose to classify it, as well as the road segment now known as Highway Avenue, which is located between the east I-35W ramp and its intersection with TH 10/CSAH 10/County Road H, as a Class A Minor Arterial- Expander. TH 10 and CSAH 10 (the former TH 10 segment that was transferred to Ramsey and Anoka Counties) are jointly classified as a Class A Minor Arterial- Reliever route, relieving I-35W. County Road H (CSAH 9) is a Class B Minor Arterial that extends west from this intersection west into Anoka County. CSAH 96 is a Class A Minor Arterial- Expander that runs from Old Highway 8 to TH 61, with interchange access at I-35W and at I-35E and a directional interchange at TH 10. All other access to CSAH 96 is at-grade. The proposed new Expander segments will provide a means of travel on the Minor Arterial system without accessing the I-35W Principal Arterial or traversing the TH 10/I-35W commons.

----- Required for B-Minor, A-Minor and PA Requests -----

Regional Functional Classification Change Request Form

ID Number: 1325

Date of Request: 10-1-14

Criteria: Illustrate how the requested change to a roadway functional classification complies with the following criteria:

Place Connections: The proposed Expander would provide a connection, via CSAH 96, from the Cities of Mounds View and Arden Hills to Shoreview, North Oaks, Vadnais Heights, White Bear Township, and White Bear Lake. Additionally, it would provide a direct connection to Mounds View, New Brighton, and Fridley via County Road H. Connections through Mounds View to Spring Lake Park and into Anoka County are provided via CSAH 10. In addition to providing these connections between communities, the adjacent planned development in the City of Arden Hills will generate between 25,000 and 31,000 trips per day.

Spacing: This segment is roughly parallel to and a half mile east of TH 10 and intersects with CSAH 96 approximately one third of a mile east of the TH 10/CSAH 96 interchange.

Management: We propose to manage the road as a Ramsey County State Aid Highway.

System Connections & Access Spacing: The planned road segment will access CSAH 96 at its south end at a signalized intersection. This intersection was constructed as part of the recently completed TH 10/CSAH 96 interchange project. It is not currently signalized, but traffic projections for the development, coupled with background volumes on CSAH 96 will direct the timing of signal construction. To the northwest, the road will connect to that road now known as Highway Avenue at the east I-35W ramp. As discussed above, this route will provide a direct connection to Mounds View, New Brighton, and Fridley via County Road H. Connections through Mounds View to Spring Lake Park and into Anoka County are provided via CSAH 10. Access spacing along this roadway will be limited to one-quarter mile spacing for full accesses and one-eighth for right-in/right-out access. Access Control will be dedicated at the time of platting, with openings at these specified locations.

Trip Making Services: This segment provides a link for short to medium trips and also access to the Principal Arterial system for longer trips.

Mobility vs. Land Access: Mobility and access will be balanced according to the MnDOT Access Management Manual standards for Minor Arterial Highways. Full access will be provided at one-quarter mile spacing and right-in/right-out access will be allowed at one-eighth mile spacing. Access Control will be dedicated.

IF request impacts the A-Minor Arterial Sub-Classification, provide these attributes:
(from Table D-4 in TPP, http://www.metrocouncil.org/planning/transportation/TPP/2010/Oct21/Appendix/D_FunClass.pdf)

Regional Functional Classification Change Request Form

ID Number: 1325

Date of Request: 10-1-14

Use: The proposed segment provides a connection between the TH 10/CSAH 10 Reliever and the principal Arterial being relieved, I-35W. Combined with the Highway Avenue segment, it will provide access to the Class A Minor Arterial system and the Principal Arterial system via County Road H (CSAH 9), a Class B Minor Arterial. This segment will expand the Class A Minor Arterial system through its connection with CSAH 96.

Location: The route is in the MUSA and will serve the redevelopment that is proposed in Rice Creek Commons, which will be developed with municipal services at urban densities

Trip Length: The proposed route, combined with the Highway Avenue segment, is a connection between the I-35W ramps and the TH 10/CSAH 10 Reliever route and serves medium to long trips. By providing more efficient access to CSAH 96, this segment will create an extension of Ramsey County's Expander system. Some shorter trips originating in the development area will be served and this route will help remove short and medium-length trips from the Principal Arterial system.

Problem Addressed: The planned Rice Creek Commons development will be built to urban densities, resulting in traffic volumes that require the mobility that a Minor Arterial highway provides. By classifying this route as an Expander, it will become a logical extension of CSAH 96, providing a westerly connection to I-35W, TH 10, and affiliated routes. We believe that this connection will provide an alternative to I-35W for shorter and medium-length trips.

(Optional) Typical Characteristics: Providing the following to support the request

Intersection Treatments: The intersection at CSAH 96 has been constructed to function as a signalized intersection. At the I-35W east ramp, a roundabout intersection is being designed. The intermediate intersections will be analyzed to determine the appropriate traffic control and intersection design as Rice Creek Commons develops.

Present AADT: N/A

Estimated Future AADT/Year: 24,930/2030

Source of Estimated AADT/Date: TCAAP Redevelopment AUAR

Posted Speed: This segment will be designed for a 40 MPH speed.

----- Required for All Requests -----

MAP: Please attach an 8.5 by 11 map of the requested change. Please include all appropriate labels and highlight the roadway in question.

Contact Information:

Agency/City/County: Ramsey County Public Works

Contact Person: Joseph Lux

Phone: 651-266-7114

Fax: 651-266-7110

Regional Functional Classification Change Request Form

ID Number: 1325

Date of Request: 10-1-14

Email: joseph.lux@co.ramsey.mn.us

Address: 1425 Paul Kirkwokd Drive

City: Arden Hills

State: MN

Zip: 55112

----- *Committee Staff ONLY* -----

Staff Recommendation:

Consent Approval: -----

Technical Correction: -----

Staff Recommendation:

MnDOT Consent: YES

NO

Comments:

Potential Issues:

Change Tracking:

TAC Planning Record of Decision:

Date:

TAC Record of Decision:

Date:

TAB Record of Decision (PA ONLY):

Date:

Mn/DOT Notification:

Date:

Geography Recorded: -----

Date:

Previous Action ID:

Date:

Regional Functional Classification Change Request Form

ID Number: 1326

Date of Request: 10-1-14

Roadway Name: Highway Avenue

Roadway CSAH #

Roadway MSA #

Roadway County Rd #

Request Type: Existing

Functional Classification Information:

Existing Roadway

Current Classification: B Minor

Requested Classification:

A Minor Expander

If other:

Planned to existing Contingent Conditions: Road is opened

Other / Explain: A Jurisdictional Transfer request from MnDOT to Ramsey County is being processed.

Planned Roadway

Current Classification: -----

Requested Classification: -----

If other:

Request Information:

Change Start Location: TH 10

Change End Location: East I-35W Ramp

Length of Requested Change (Miles): 0.28

Dependent on other Requested Changes: Yes

Road name(s) or ID Number(s) of dependent requests: 1325

Involves other jurisdictions (Yes) If "yes" please attach letter(s) of support

Purpose of Change: Please explain rationale for requested Change

This road segment is part of the planned transportation system for the redevelopment of the Twin Cities Army Ammunition Plant (TCAAP) property, now named Rice Creek Commons. This existing road segment is the easterly extension of County Road H (CSAH 9), which is a Class B Minor Arterial Highway, with its eastern terminus at the TH 10/CSAH 10 intersection, from that intersection to the east I-35W ramp. TH 10 and CSAH 10 (the former TH 10 segment that was transferred to Ramsey and Anoka Counties) are jointly classified as a Class A Minor Arterial- Reliever route, relieving I-35W. We propose to add this segment of Highway Avenue to Ramsey County's CSAH system and propose to classify this segment, as well as the extension of it through the Rice Creek Commons development to CSAH 96, as a Class A Minor Arterial- Expander. CSAH 96 is a Class A Minor Arterial- Expander that runs from Old Highway 8 to TH 61, with interchange access at I-35W and at I-35E and a directional interchange at TH 10. All other access to CSAH 96 is at-grade. The proposed new Expander segments will provide a means of travel on the Minor Arterial system without accessing the I-35W Principal Arterial or traversing the TH 10/I-35W commons.

----- Required for B-Minor, A-Minor and PA Requests -----

Criteria: Illustrate how the requested change to a roadway functional classification complies with the following criteria:

Regional Functional Classification Change Request Form

ID Number: 1326

Date of Request: 10-1-14

Place Connections: The proposed Expander would provide a connection, via CSAH 96, from the Cities of Mounds View and Arden Hills to Shoreview, North Oaks, Vadnais Heights, White Bear Township, and White Bear Lake. Additionally, it would provide a direct connection to Mounds View, New Brighton, and Fridley via County Road H. Connections through Mounds View to Spring Lake Park and into Anoka County are provided via CSAH 10. In addition to providing these connections between communities, the adjacent planned development in the City of Arden Hills will generate between 25,000 and 31,000 trips per day at this location.

Spacing: This road segment connects the TH 10/CSAH 10 Reliever with I-35W. A separate request is being processed for a future extension of this route which will extend through the Rice Creek Commons site, roughly parallel to and a half mile east of TH 10 and intersect with CSAH 96.

Management: We propose to manage the road as a Ramsey County State Aid Highway.

System Connections & Access Spacing: The segment that is the subject of this request connects TH 10/CSAH 10, a Class A Minor Arterial-Reliever with I-35W, the principal Arterial being relieved. The route extends west of the TH 10/CSAH 10 intersection as a Class B Minor arterial, which we believe is the correct designation for that road segment. To the east, a separate functional class request is being processed for a planned segment of the route, which will be developed through the Rice Creek Commons site and connect to CSAH 96, also a Class A Minor Arterial- Expander. Ramsey County views the proposed section and the segment that is the subject of this request as a logical extension of our Expander system.

Trip Making Services: This segment provides a link for short to medium trips and also access to the Principal Arterial system for longer trips.

Mobility vs. Land Access: Along this segment there are four accesses, two for a Metro Transit Park and Ride lot, with one of those aligned with the ramp from and loop to southbound I-35W. Clifton Drive, a Mounds View City Street, accesses Highway Avenue from the northwest approximately 325 feet east of the TH 10/CSAH 10 intersection, and there is a driveway for a gas station roughly halfway between Clifton Drive and the TH 10/CSAH 10 intersection.

IF request impacts the A-Minor Arterial Sub-Classification, provide these attributes:

(from Table D-4 in TPP, http://www.metrocouncil.org/planning/transportation/TPP/2010/Oct21/Appendix/D_FunClass.pdf)

Regional Functional Classification Change Request Form

ID Number: 1326

Date of Request: 10-1-14

Use: The subject segment provides a direct connection between the TH 10/CSAH 10 Reliever and the principal Arterial being relieved, I-35W. To the west, it provides access to the Class A Minor Arterial system and the Principal Arterial system via County Road H (CSAH 9), a Class B Minor Arterial. The proposed easterly and southerly extension expands the Class A Minor Arterial system through its connection with CSAH 96.

Location: The route is in the MUSA and will serve the redevelopment that is proposed in the Rice Creek Commons site, which will be developed with municipal services at urban densities.

Trip Length: The route is a connection between the I-35W ramps and the TH 10/CSAH 10 Reliever route and serves medium to long trips. When the easterly extension is completed, more efficient access to CSAH 96 will be provided and that segment could be considered an extension of that Expander route. Some shorter trips originating in the development area will be served, but this route will help remove short and medium-length trips from the Principal Arterial system.

Problem Addressed: This segment has had access to the Principal Arterial system since I-35W was built and assigning a Class A Minor Arterial designation will bring it into compliance with regional policy that limits access to Principal Arterials to Class A Minor Arterials or higher.

(Optional) Typical Characteristics: Providing the following to support the request

Intersection Treatments: The TH 10/CSAH 10 intersection is signalized and is scheduled for improvements in 2016 to address safety and capacity issues. The existing I-35W ramp terminals are stop-controlled and an Intersection Control Evaluation will be performed as part of the preliminary engineering for the interchange bridge replacement, which is also planned for 2016.

Present AADT: 5,600

Estimated Future AADT/Year: 24,930/2030

Source of Estimated AADT/Date: TCAAP Redevelopment AUAR

Posted Speed: This segment of Highway Avenue is not posted.

----- Required for All Requests -----

MAP: Please attach an 8.5 by 11 map of the requested change. Please include all appropriate labels and highlight the roadway in question.

Contact Information:

Agency/City/County: Ramsey County Public Works

Contact Person: Joseph Lux

Phone: 651-266-7114

Fax: 651-266-7110

Regional Functional Classification Change Request Form

ID Number: 1326

Date of Request: 10-1-14

Email: joseph.lux@co.ramsey.mn.us

Address: 1425 Paul Kirkwold Dr.

City: Arden Hills

State: MN

Zip: 55112

----- *Committee Staff ONLY* -----

Staff Recommendation:

Consent Approval: -----

Technical Correction: -----

Staff Recommendation:

MnDOT Consent: YES

NO

Comments:

Potential Issues:

Change Tracking:

TAC Planning Record of Decision:

Date:

TAC Record of Decision:

Date:

TAB Record of Decision (PA ONLY):

Date:

Mn/DOT Notification:

Date:

Geography Recorded: -----

Date:

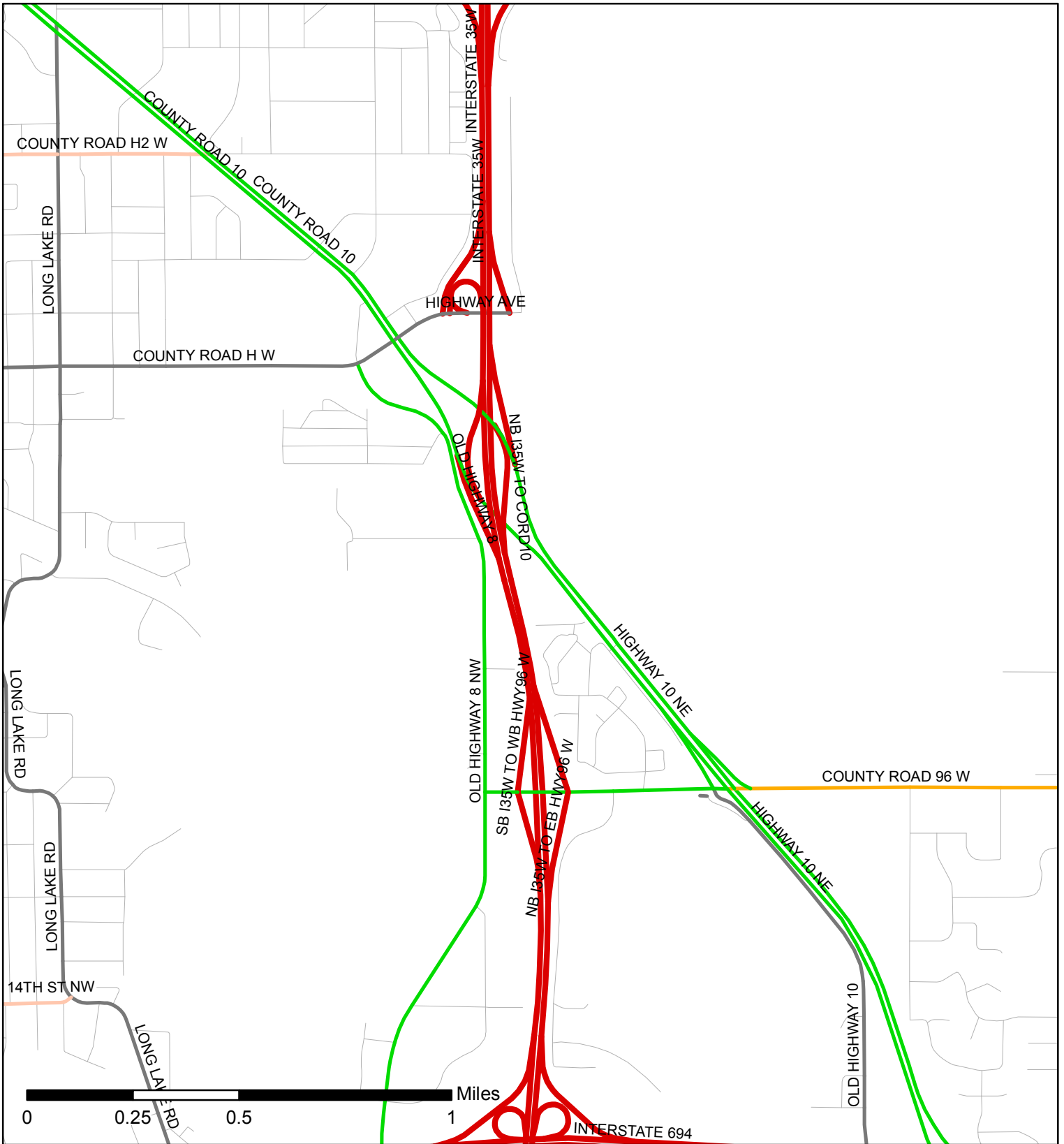
Previous Action ID:

Date:

Functional Class Roads Change Requests Ramsey County

EXISTING CLASSIFICATIONS

ID# 1325 -1326



Existing Regional Functional Class Roads

- Principal Arterial
- B Minor
- Major Collector
- Minor Collector
- A Minor Augmentor
- A Minor Reliever
- A Minor Expander
- A Minor Connector

Planned Regional Functional Class Roads

- Principal Arterial
- B Minor
- Major Collector
- Minor Collector
- A Minor Augmentor
- A Minor Reliever
- A Minor Expander
- A Minor Connector

City / Township Boundaries

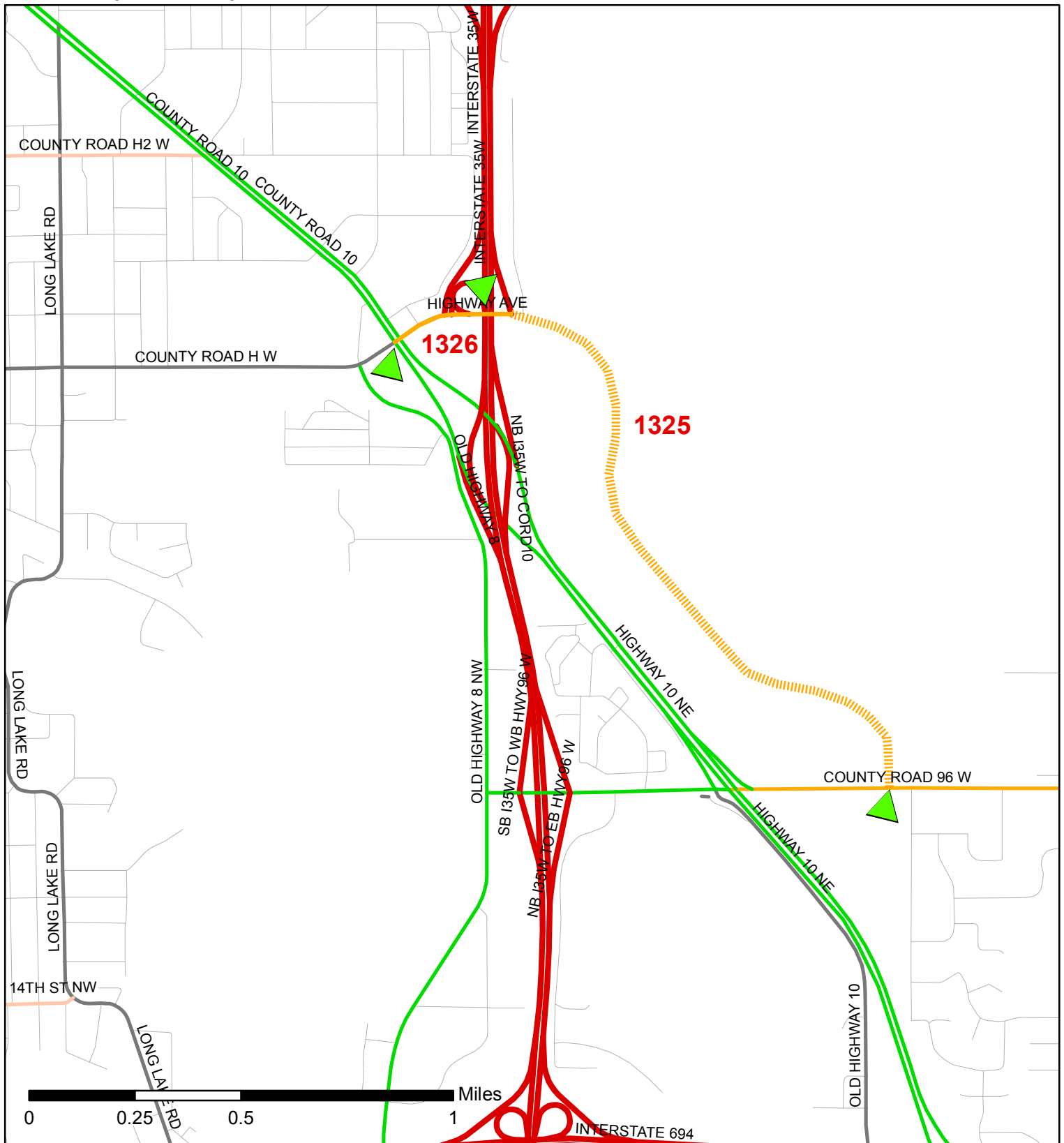
Street Centerlines

County Boundaries











Functional Class Roads Change Requests Ramsey County









ID# 1325 -1326




Existing Regional Functional Class Roads


-  Principal Arterial
-  B Minor
-  Major Collector
-  Minor Collector
-  A Minor Augmentor
-  A Minor Reliever
-  A Minor Expander
-  A Minor Connector

Planned Regional Functional Class Roads

-  Principal Arterial
-  B Minor
-  Major Collector
-  Minor Collector
-  A Minor Augmentor
-  A Minor Reliever
-  A Minor Expander
-  A Minor Connector

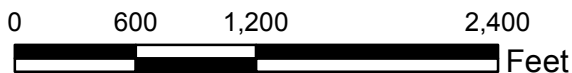
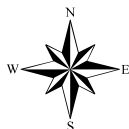
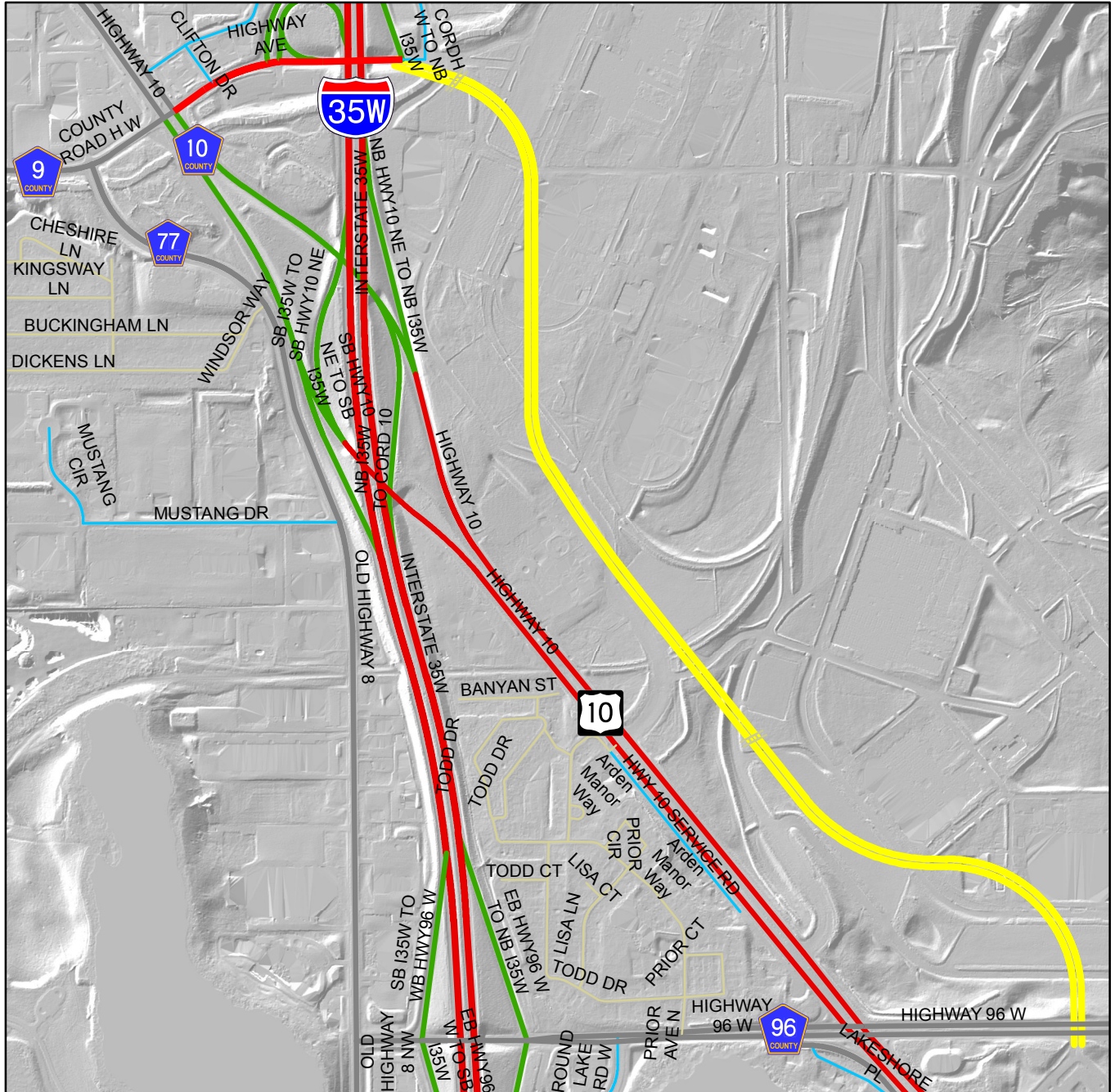
 City / Township Boundaries

 Street Centerlines

 County Boundaries



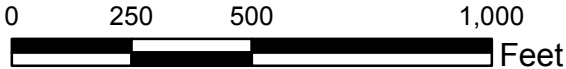
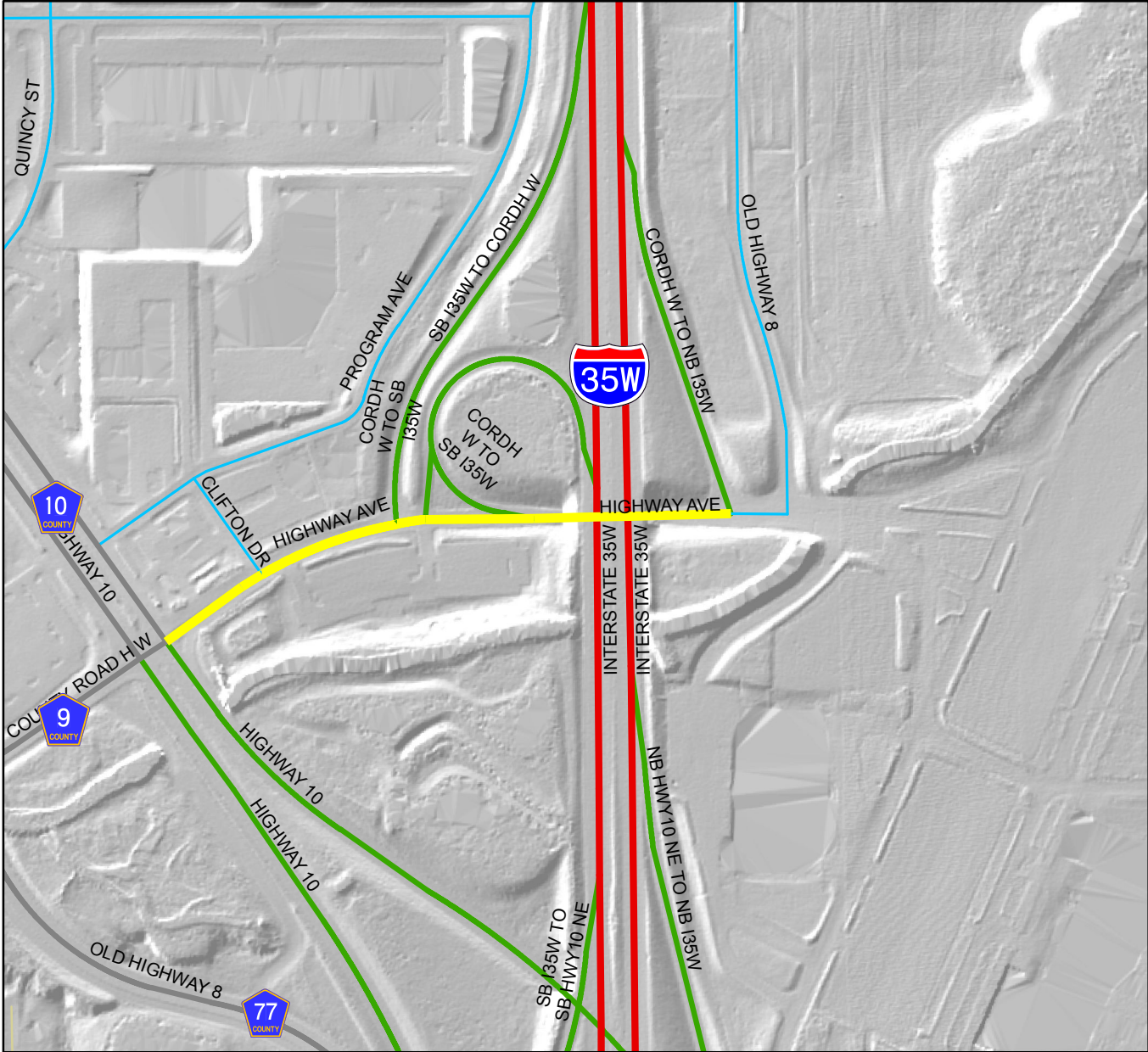
TCAAP Spine Road, Ramsey County MN Proposed Functional Class



——— Proposed Class A Minor Arterial-Expander

Produced By: Ramsey County Land Survey Division
Date: September 10, 2014 By: CP

Highway Avenue, Ramsey County MN Proposed Functional Class Change



Proposed Class A Minor Arterial-Expander

Produced By: Ramsey County Land Survey Division
Date: July 31, 2014 By: CP



July 28, 2014

Mr. Joe Lux, Senior Planner
Ramsey County Public Works
1425 Paul Kirkwold Drive
Arden Hills, MN 55112-3933

RE: Functional Class Change
Highway Avenue/County Road H

Dear Mr. Lux:

The City of Arden Hills strongly supports the County's effort to change the classification of the segment of Highway Avenue/County Road H between the TH10/CSAH 10 intersection and the east ramp to a Class A Minor Arterial – Expander. We also strongly support the County's effort to classify the Spine Road as a future Expander. As you know, the development of TCAAP is not only important to the City and the County but also to the entire region. The land use plan for the development envisions 3,500-4,000 residents and 3,500-4,000 jobs when fully developed.

If the City of Arden Hills can do anything else to help the County's effort, please do not hesitate to call.

Sincerely,

Terry J. Maurer, P.E.
Public Works Director



2401 Highway 10 • Mounds View, MN 55112-1499
Phone: 763.717.4000 • Fax: 763.717.4019

September 11, 2014

Mr. James Tolaas, PE
Director and County Engineer
Ramsey County Dept. of Public Works
1425 Paul Kirkwold Drive
Arden Hills, MN 55112

RE: LETTER OF SUPPORT FOR FUNCTIONAL CLASSIFICATION CHANGE FOR HIGHWAY AVENUE

Dear Mr. Tolaas:

The City of Mounds View fully supports your efforts to change the functional classification of Highway Avenue from B Minor Arterial to A Minor Arterial – Expander between the intersections of TH 10/CSAH 10/County Road H and the east I-35W ramp.

The City of Mounds View understands the importance of this roadway segment in serving the Rice Creek Commons (TCAAAP) development, as well as the connection it provides between neighboring communities. The proposed staging of I-35W interchange accesses at this location will cause the Highway Avenue segment to carry a high volume of vehicles including those accessing southbound I-35W and those exiting from northbound I-35W. In addition, the popular Metro Transit Park and Ride facility will only become busier.

We also support your efforts for a jurisdictional transfer of Highway Avenue from Mn/DOT to Ramsey County. This transfer and potential renaming to County Road H will eliminate confusion by motorists and provide continuity to the Rice Creek Commons spline roadway.

Please contact me directly at (763) 717-4051 or nick.debar@ci.mounds-view.mn.us if you have any questions regarding this matter.

Sincerely,

Nicholas D. DeBar, PE
Director of Public Works/City Engineer

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