

ACTION TRANSMITTAL 2018-17

DATE: January 25, 2018
TO: Technical Advisory Committee - Planning
FROM: Metropolitan Transportation Services
PREPARED BY: Rachel Wiken, Planner 651-602-1572
SUBJECT: Functional Class Changes – Lexington Parkway, #1355-1356
REQUESTED ACTION: Ramsey County requests approval for Lexington Parkway to be classified as an A-Minor Augmentor from Larpenteur Avenue to Shepard Road
(#1355 existing alignment from Larpenteur Avenue to south of Albion Avenue, #1356 planned new alignment from south of Albion Avenue to Shepard Road)

BACKGROUND AND PURPOSE OF ACTION: Ramsey County is requesting a change for Lexington Parkway from Larpenteur Avenue to Shepard Road. The existing roadway is classified as an Other Arterial from Larpenteur Avenue to Montreal Avenue. Ramsey County is planning to realign the intersection of Lexington / Montreal / West 7th, which is currently a five-way intersection. By moving Lexington to the east (through the former Riverside School property), it would allow Lexington to intersect West 7th Street at a traditional four-way configuration. A planned road would continue south from West 7th on Ramsey County right-of-way, continuing on existing Elway Street (Major Collector) to connect with Shepard Road (Other Arterial) just to the west of I-35E.

This request is for an existing functional classification change for Lexington Parkway from Larpenteur Avenue to the new alignment at the school property (just south of Albion Avenue). The new alignment and the tail on Elway Street would be changed to a planned A-Minor Augmentor.

STAFF ANALYSIS:

Lexington Parkway connects Como Park and several major shopping areas at University, Grand, and Randolph. The road is currently carrying short to medium trips within the City of St. Paul. It is functioning very similarly to how the road functions to the north in Roseville, a section that is already A-Minor Augmentor.

Spacing is consistent with guidelines. There are A-Minor/Other arterials every half mile in this urban area. Other north-south roads in the area are Augmentors (e.g., Snelling, Cleveland) and several east-west Augmentors (e.g., Randolph, Montreal, Larpenteur) intersect with Lexington. Like other arterials in this part of the region, access spacing is less than ideal.

Traffic volumes are consistent with A-Minor designation. The portion between Montreal and Randolph has the lowest volume (7,500 AADT). Sections to the north of Randolph range from 12,000 to 34,000 AADT, which is at or higher than other A-Minor Augmentors in the area. Ramsey County did not submit any data on how the planned realignment and Shepard Road connection would change traffic volumes on Lexington.

Lexington closely parallels I-35E from Randolph to the new proposed Shepard connection. Improvements to signals and connections might make this segment of the road function as a Reliever more than an Augmentor during congested times.

The southern segment (James to Montreal) already has bike lanes and the City is considering adding them to the section from James to St Clair. It is unclear how the possible increased traffic and speeds would align with the City's plan to improve multimodal infrastructure on the road.

MNDOT COMMENTS:

MnDOT supports the proposed functional classification changes and the re-route of Lexington Avenue, which simplifies the current five-way intersection with TH 5 and Montreal Avenue.

1. MnDOT will allow this change as long as the current Lexington Avenue access to the current five-way intersection is removed when the re-route opens.
2. The County should work with the City of St. Paul and MnDOT regarding changes to the existing signal at Albion Avenue. This signal would be less than 300 feet away from the proposed new Lexington/West 7th Street/Elway Street intersection.

COMMITTEE COMMENTS AND ACTION:

ROUTING		
TO	ACTION REQUESTED	DATE COMPLETED
<i>TAC Planning</i>	<i>Review and Recommend</i>	
<i>Technical Advisory Committee</i>	<i>Approve</i>	

Regional Functional Classification Change Request Form

ID Number: 1355

Date of Request: 12-05-17

Roadway Name: Lexington Parkway

Roadway CSAH # 51

Roadway MSA #

Roadway County Rd #

Request Type: Existing

Functional Classification Information:

Existing Roadway

Current Classification:

Other Minor Arterial

Requested Classification:

A Minor Augmentor

If other:

Planned to existing Contingent Conditions:

Other / Explain: Request is tied to a companion request #1356 for a future connection to Shepard Road (MSAS 194), a Principal Arterial

Planned Roadway

Current Classification: -----

Requested Classification: -----

If other:

Request Information:

Change Start Location: West Seventh Street (TH 5)

Change End Location: Larpenteur Avenue (CSAH 30)

Length of Requested Change (Miles): 5.99

Dependent on other Requested Changes: Yes

Road name(s) or ID Number(s) of dependent requests: future CSAH 51

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

Purpose of Change: Please explain rationale for requested Change
Lexington Parkway south of Larpenteur Avenue serves a similar function to the segment of Lexington Avenue north of Larpenteur Avenue, which is classified as a Class A Minor Arterial- Augmentor between Larpenteur Avenue and I-694. North of I-694, it is classified as a Class A Minor arterial- Expander to the north county line and into Anoka County. Despite a short segment of the route running through Como Regional Park and some segments being more residential in nature, the route's overall function is in line with that of an Augmentor. The current southerly terminus is at West Seventh Street (TH 5), a Class A Minor Arterial- Reliever, but we are working with the City of Saint Paul to extend the route through an existing right of way, and along the existing Elway Street (MSAS 169), to connect to Shepard Road (MSAS 194), a Principal Arterial Highway. This would also provide a direct link for non-motorized travel to the Crosby Lake Regional Park and the Mississippi River National River and Recreation Area.

Following Section Required for All Principal and Minor Arterial 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: 1355

Date of Request: 12-05-17

Place Connections: Mississippi National River and Recreation Area, Crosby Lake Regional Park, Grand Avenue business district, University Avenue business district and Green Line light rail, Como Regional Park, Larpenteur Avenue business district.

Spacing: The route is located one mile east of Snelling Avenue (TH 51), a Class A Minor Arterial- Augmenter, and is approximately a quarter-mile west of I-35E at its southerly end and a mile west of Dale Street (CSAH 53), also a Class A Minor Arterial- Augmenter. Another mile east is Rice Street (CSAH 49), a Class A Minor Arterial- Reliever.

Management: Lexington Parkway is managed by Ramsey County as a minor arterial highway.

System Connections & Access Spacing: Lexington Parkway provides a connection to West Seventh Street (TH 5) at its current southern terminus, but this connection is compromised by the geometrics of the intersection which is a five-legged intersection with Montreal Avenue (TH 51), Lexington Parkway, and West Seventh Street all coming together at a single point. We propose to realign the Lexington Parkway intersection approximately an eighth mile to the east, thus removing a problematic leg from that intersection. Lexington Parkway intersects with the following Class A Minor Arterials between West Seventh Street and Larpenteur Avenue: Randolph Avenue (CSAH 38), Ayd Mill Road (MSAS 195), Selby Avenue (CSAH 35), Marshall Avenue (CSAH 35), I-94 (Principal Arterial), University Avenue (CSAH 34), Pierce Butler Route (CSAH 33), Energy Park Drive (CSAH 32), Como Avenue (CSAH 31) and Larpenteur Avenue (CSAH 30). North of Larpenteur Avenue, the route becomes Lexington Avenue, a Class A Minor Arterial- Augmenter, to I-694 and north of I-694 it is an Expander.

Trip Making Services: Lexington Parkway provides access to the commercial areas along West Seventh Street, which also provides a route to Minneapolis-St. Paul International Airport. It serves the Grand Avenue commercial area, as well as commercial areas between Marshall Avenue and University Avenue. It provides access to the Green Line light rail line and to I-94. North of University Avenue, it provides access to commercial and industrial areas in the Pierce Butler Route, Como Avenue, and Energy Park Drive corridors, as well as to the freight rail operations in those corridors. Como Regional Park is located on either side of Lexington Parkway approximately a mile south of Larpenteur Avenue.

Mobility vs. Land Access: As with many arterials in densely developed areas, access does not conform to MnDOT access spacing standards, but direct access to Lexington Parkway is limited for much of the corridor. For much of the corridor, the City's street grid system is

Regional Functional Classification Change Request Form

ID Number: 1355

Date of Request: 12-05-17

maintained with 300-400 foot long blocks. North of University Avenue, full-movement access is generally restricted to signalized intersections (with two exceptions) and there are no residential accesses and only two commercial access points.

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

(from Table D-4 in TPP, [http://metro council.org/Transportation/Planning-2/Key-Transportation-Planning-Documents/Transportation-Policy-Plan-\(1\)/The-Adopted-2040-TPP-\(1\)/Final-2040-Transportation-Policy-Plan/2040-TPP-Appendix-D-Functional-Class.aspx](http://metro council.org/Transportation/Planning-2/Key-Transportation-Planning-Documents/Transportation-Policy-Plan-(1)/The-Adopted-2040-TPP-(1)/Final-2040-Transportation-Policy-Plan/2040-TPP-Appendix-D-Functional-Class.aspx))

Use:

Location:

Trip Length:

Problem Addressed:

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

Intersection Treatments:

Present AADT:

Estimated Future AADT/Year:

Source of Estimated AADT/Date:

Posted 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

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

Address: 1425 Paul Kirkwold Drive

City: Arden Hills

State: MN

Zip: 55112

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

Staff Recommendation:

Regional Functional Classification Change Request Form

ID Number: 1355

Date of Request: 12-05-17

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:

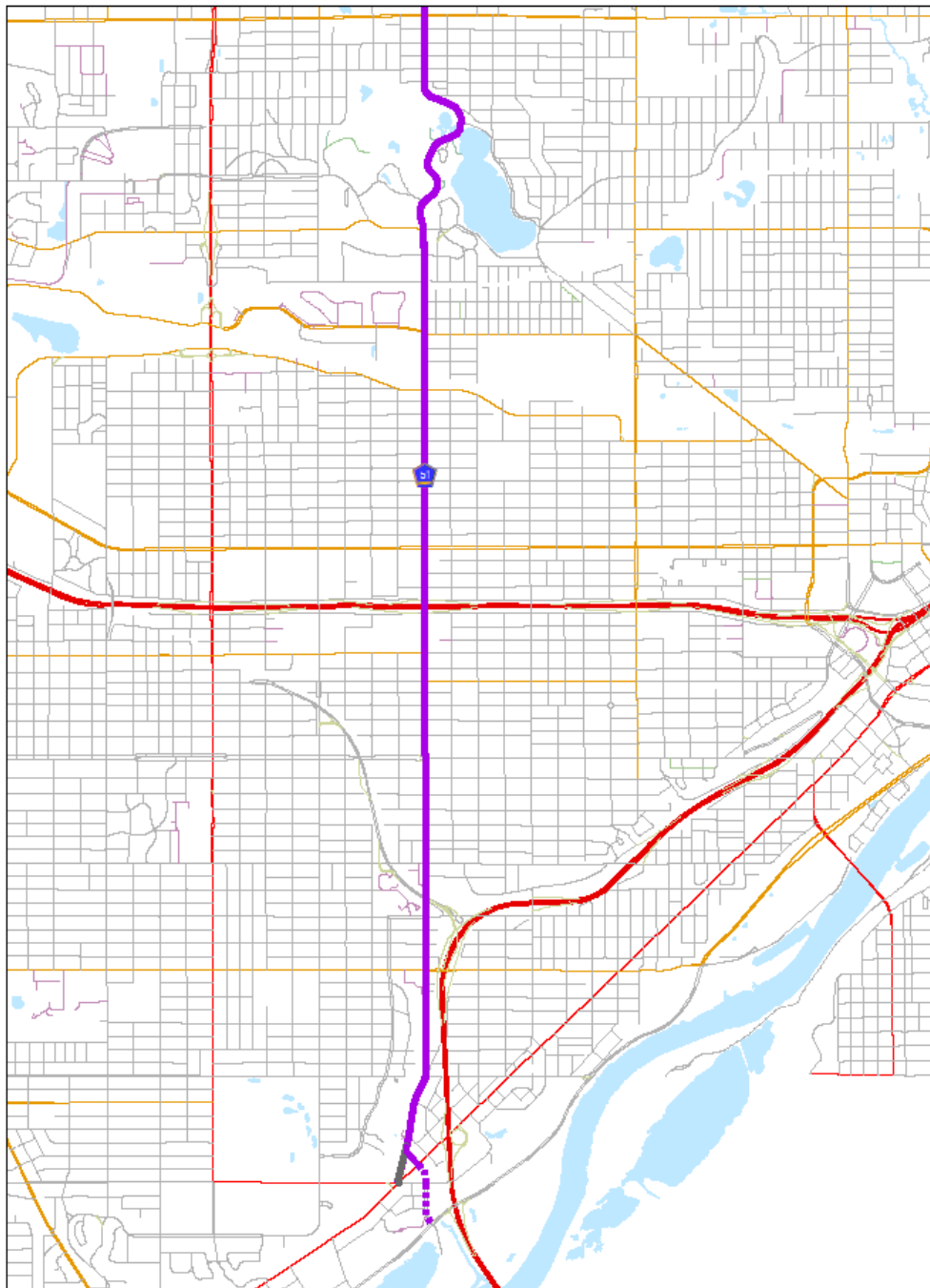
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Date:

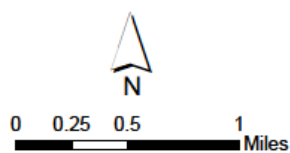
Previous Action ID:

Date:

**Lexington Parkway CSAH-51
Proposed Class A Minor Arterial - Augmentor Route
Ramsey County, MN**



Map Produced on November 17, 2017 by Public Works Land Survey GIS.



Regional Functional Classification Change Request Form

ID Number: 1355

Date of Request: 12-05-17



PROPOSED LEXINGTON PARKWAY MODIFICATIONS — PHASE 1

Regional Functional Classification Change Request Form

ID Number: 1356

Date of Request: 12-5-17

Roadway Name: Lexington Parkway

Roadway CSAH # 51 (subject to CSAH Mileage Request)

Roadway County Rd #

Roadway MSA #

Request Type: Planned

Functional Classification Information:

Existing Roadway

Current Classification: -----

Requested Classification: -----

If other:

Current Classification: N/A

Requested Classification: A Minor Augmentor

If other: north half does not exist, south half is existing major collector

Planned Roadway

Planned to existing Contingent Conditions: Road would move from planned to existing when connection from Montreal to Shepard is improved and new alignment between Lexington and Montreal is built.

Other / Explain: Request is tied to a companion request for a reclassification of Lexington Parkway, (CSAH 51) from West Seventh Street (TH 5) to Larpenteur Avenue (CSAH 30), from Other Arterial to a A-Minor Augmentor.

Request Information:

Change Start Location: Shepard Road

Change End Location: West Seventh Street (TH 5)

Length of Requested Change (Miles): 0.29

Dependent on other Requested Changes: Yes #1355

Road name(s) or ID Number(s) of dependent requests: CSAH 51

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

Purpose of Change: Please explain rationale for requested Change

This request is tied to a companion request for the reclassification of Lexington Parkway between West Seventh Street (TH 5) and Larpenteur Avenue (CSAH 30). It is Ramsey County's intent, in cooperation with the City of Saint Paul, to realign the approximately southerly 850 feet of Lexington Parkway to align with the existing Elway Street right of way (not currently constructed) at West Seventh Street in 2019. A subsequent project would construct a future roadway on the Elway Street right of way between Montreal Avenue and West Seventh Street and to reconstruct the existing segment of Elway Street between Shepard Road and Montreal Avenue and for Ramsey County to assume jurisdiction of the 0.29 mile long segment between Shepard Road and West Seventh Street to create a contiguous County route from the Mississippi River north to Anoka County.

Following Section Required for All Principal and Minor Arterial 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: 1356

Date of Request: 12-5-17

Place Connections: Mississippi National River and Recreation Area, Crosby Lake Regional Park, Grand Avenue business district, University Avenue business district and Green Line light rail, Como Regional Park, and the Larpenteur Avenue business district.

Spacing: The route of the planned segment of Lexington Parkway is located approximately 0.15 mile west of and roughly parallel to I-35E. When constructed, this segment will connect with Lexington Parkway (CSAH 51), the alignment of which diverges from the I-35E corridor and is spaced roughly equidistant between Rice Street (CSAH 49) and Dale Street (CSAH 53) to form the County's arterial grid.

Management: The proposed new segment of Lexington Parkway will be managed by Ramsey County as a minor arterial highway.

System Connections & Access Spacing: This segment of Lexington Parkway will provide a direct arterial connection between Shepard Road (MSAS 194) and West Seventh Street (TH 5) at the realigned intersection of Lexington Parkway north of West Seventh Street, which is planned for 2019 construction. Lexington Parkway north of West Seventh Street provides connections with the following Class A Minor Arterials between West Seventh Street and Larpenteur Avenue: Randolph Avenue (CSAH 38), Ayd Mill Road (MSAS 195), Selby Avenue (CSAH 35), Marshall Avenue (CSAH 35), I-94 (Principal Arterial), University Avenue (CSAH 34), Pierce Butler Route (CSAH 33), Energy Park Drive (CSAH 32), Como Avenue (CSAH 31) and Larpenteur Avenue (CSAH 30). North of Larpenteur Avenue, the route becomes Lexington Avenue, a Class A Minor Arterial- Augmenter, to I-694 and north of I-694 it is an Expander, which provides an arterial route through the northern portion of Ramsey County and into Anoka County.

Trip Making Services: Lexington Parkway provides access to the commercial areas along West Seventh Street, which also provides a route to Minneapolis-St. Paul International Airport. It serves the Grand Avenue commercial area, as well as commercial areas between Marshall Avenue and University Avenue. It provides access to the Green Line light rail line and to I-94. North of University Avenue, it provides access to commercial and industrial areas in the Pierce Butler Route, Como Avenue, and Energy Park Drive corridors, as well as to the freight rail operations in those corridors. Como Regional Park is located on either side of Lexington Parkway approximately a mile south of Larpenteur Avenue.

Regional Functional Classification Change Request Form

ID Number: 1356

Date of Request: 12-5-17

Mobility vs. Land Access: There is currently one access on the existing segment of Elway Avenue that will be rebuilt under this plan. Currently, Elway Street terminates at Montreal Avenue, and that intersection will be maintained, with traffic control determined during the design phase of the project. No access between Montreal Avenue and West Seventh Street is planned.

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

(from Table D-4 in TPP, [http://metro council.org/Transportation/Planning-2/Key-Transportation-Planning-Documents/Transportation-Policy-Plan-\(1\)/The-Adopted-2040-TPP-\(1\)/Final-2040-Transportation-Policy-Plan/2040-TPP-Appendix-D-Functional-Class.aspx](http://metro council.org/Transportation/Planning-2/Key-Transportation-Planning-Documents/Transportation-Policy-Plan-(1)/The-Adopted-2040-TPP-(1)/Final-2040-Transportation-Policy-Plan/2040-TPP-Appendix-D-Functional-Class.aspx))

Use:

Location:

Trip Length:

Problem Addressed:

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

Intersection Treatments:

Present AADT:

Estimated Future AADT/Year:

Source of Estimated AADT/Date:

Posted 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

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

Address: 1425 Paul Kirkwold Drive

City: Arden Hills

State: MN

Zip: 55112

Regional Functional Classification Change Request Form

ID Number: 1356

Date of Request: 12-5-17

----- *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:

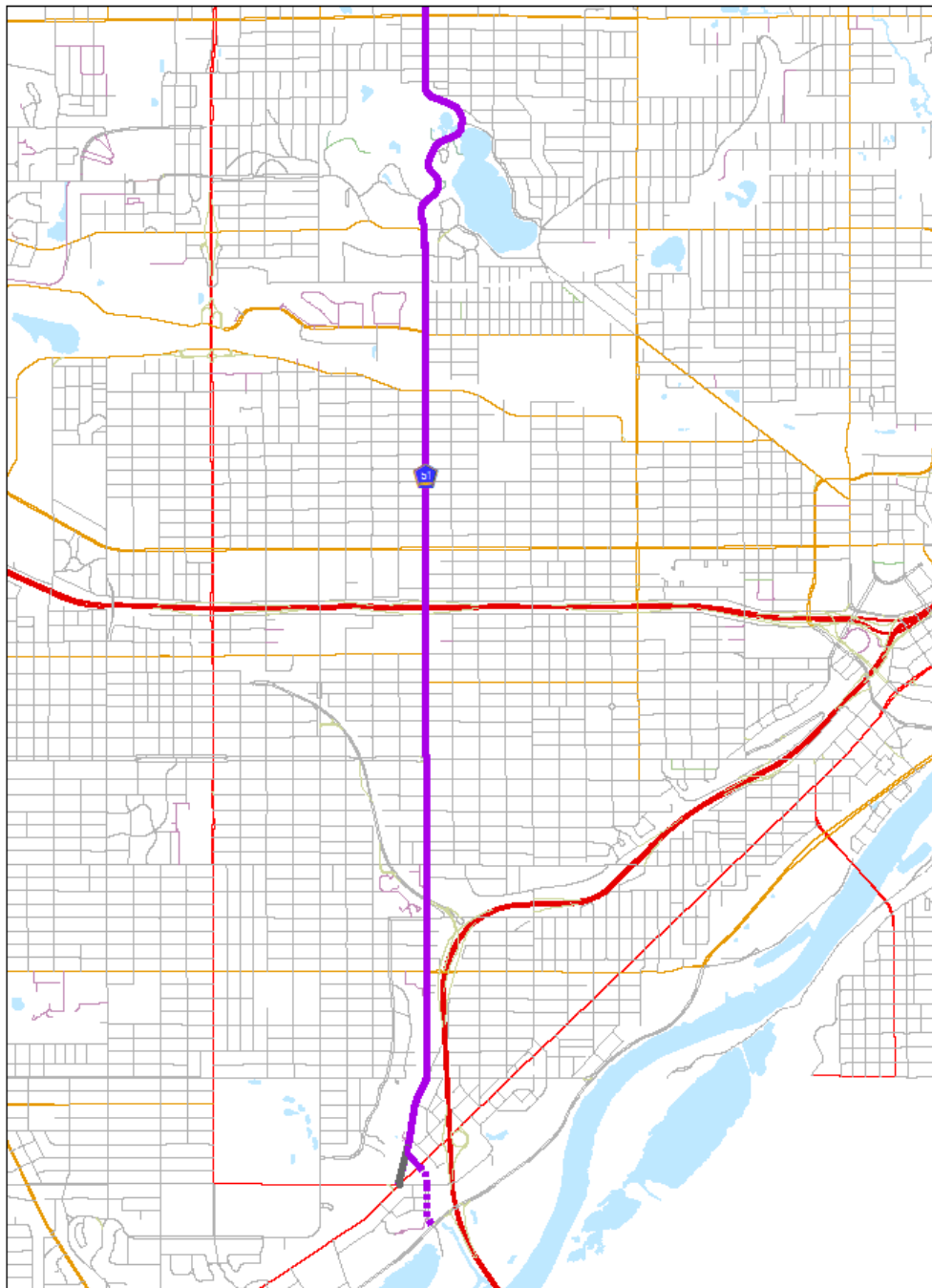
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Date:

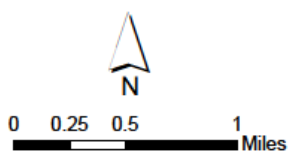
Previous Action ID:

Date:

**Lexington Parkway CSAH-51
Proposed Class A Minor Arterial - Augmentor Route
Ramsey County, MN**



Map Produced on November 17, 2017 by Public Works Land Survey GIS.



Regional Functional Classification Change Request Form

ID Number: 1356

Date of Request: 12-5-17

Lexington Parkway CSAH 51



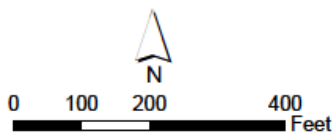
NO. REV. DATE BY: DESCRIPTION _____ _____ _____	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. SIGNED: _____ REG. NO. _____ DATE: _____	LEXINGTON PARKWAY AT WEST 7TH	COUNTY PROJ.		LAYOUT 4 SHEET OF SHEETS
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Proposed Realignment, West Seventh Street (TH 5) to ±850 feet north

**Lexington Parkway CSAH-51
Proposed new segment between
Shepard Road and West Seventh Street (TH 5)
Proposed Class A Minor Arterial - Augmentor Route
Ramsey County, MN**



Map Produced on November 29, 2017 by Public Works Land Survey GIS.



Regional Functional Classification Change Request Form

ID Number: 1356

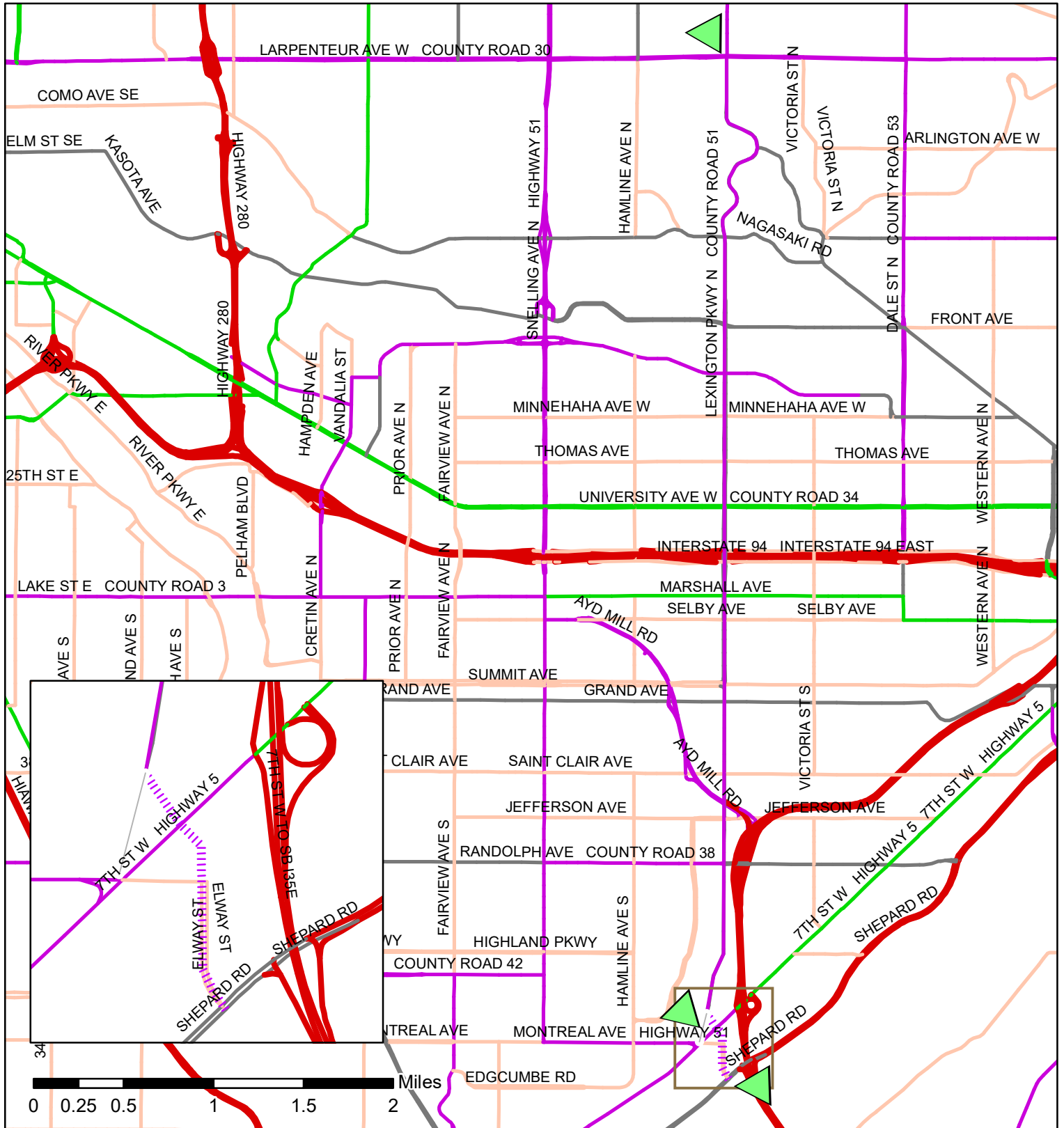
Date of Request: 12-5-17

Proposed New Lexington Parkway Augmenter Route Area Map



Functional Class Roads Change Requests Ramsey County

ID# 1355-1356



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



CITY OF SAINT PAUL
Melvin W. Carter, Mayor

Paul Kurtz, City Engineer
800 City Hall Annex
25 W. Fourth Street
Saint Paul, MN 55102-1660

Telephone: 651-266-6203
Fax: 651-266-6222

February 2, 2018

Rachel Wiken
Planner
Metropolitan Transportation Services
390 N Robert Street
St. Paul, MN 55101

SUBJECT: RAMSEY COUNTY REQUEST FOR RECLASSIFICATION/EXTENSION OF LEXINGTON AVENUE

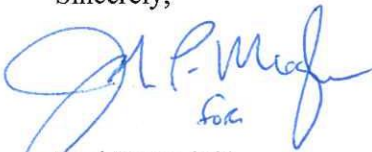
Dear Ms. Wiken:

I am writing to express the City of Saint Paul's support of Ramsey County's request to re-align and re-classify Lexington as a Class A Minor arterial – Augmenter Route from Shepard Road to Larpenteur Avenue (CSAH 30). Currently Lexington Avenue terminates on the South end at West Seventh Street (TH 5) and Montreal (TH51) at a 5 legged signalized intersection. This intersection has had significant issues with crash history and is difficult to cross as a pedestrian or bicyclist. The re-alignment of Lexington Avenue to the proposed Elway alignment and extending it to Shepard Road accomplishes a number of priorities for the City.

- It simplifies the intersection of West Seventh (TH5) and Montreal (TH 51) therefore improving safety
- It makes a strong connection to Shepard Road which has more capacity to handle vehicular traffic
- It strengthens and improves connections of the community to the River at Crosby Park for all modes of travel

The realignment and extension of Lexington has the support of the community and Councilmembers in the re-alignment area.

Sincerely,



for
Paul Kurtz, P.E.
City Engineer



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266-6100

Ma u baahan tahay tarjamadaan Naga soo wac 651-266-6100

266-6100

Necesita esta traducción? Comuníquese con nosotros al 651-

Xav tau qhov no txhais los? Hu rau peb ntawm 651-