



CITY OF GRAND RAPIDS

CITY COUNCIL
CHAMBERS
420 NORTH POKEGAMA
AVE.

Meeting Agenda Full Detail City Council Work Session

Monday, February 27, 2012

Conference Room 2A

Immediately following the closed session.

CALL TO ORDER: Pursuant to due notice and call thereof a Special Meeting/Worksession of the Grand Rapids City Council will be held on Monday, February 27, 2012 immediately following the Closed meeting in Conference Room 2A, 420 North Pokegama Avenue, Grand Rapids, Minnesota.

CALL OF ROLL: On a call of roll, the following members were present:

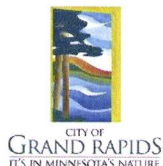
Discussion Items

1. [12-0113](#) CP 2012-9, Fifth Street North Restriping.
Attachments: [Layout Drawings.pdf](#)
[Traffic Graphs.pdf](#)
2. [10-1227](#) Review regular meeting agenda and other business as noted.

ADJOURN

Attest:

Shawn Gillen, City Administrator



CITY OF GRAND RAPIDS

Legislation Details (With Text)

File #: 12-0113 **Version:** 1 **Name:** CP 2012-9 5th Street Conversion
Type: Agenda Item **Status:** CC Worksession
File created: 2/21/2012 **In control:** City Council Work Session
On agenda: 2/27/2012 **Final action:**
Title: CP 2012-9, Fifth Street North Restriping.

Sponsors:

Indexes:

Code sections:

Attachments: [Layout Drawings.pdf](#)

[Traffic Graphs.pdf](#)

Date	Ver.	Action By	Action	Result
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Title

CP 2012-9, Fifth Street North Restriping.

Body

Background Information:

City staff in conjunction with MN/DOT have been working on a complete streets planning document for the City. One of the preliminary recommendations is add dedicated bicycle lanes to 5th Street North from 6th Avenue NE to 4th Avenue NW, by converting the existing four lane vehicle section to a three-lane vehicle section. The three-lane vehicle section would consist of one-lane in each direction and a center-turn lane. This would then provide room to add a dedicated bike lane in both directions. Parking would need to be eliminated between 3rd Avenue NE and 6th Avenue NE which is almost non-existent at this time. Concept drawings are attached for reference.

City staff also attended a workshop addressing the conversion of four-lane roadways to three-lane roadways at the annual City Engineers Association of Minnesota conference in January of this year. Case studies have shown that three-lane roadways can accommodate up to 19,000 Average Daily Traffic (ADT), depending on access points. Fifth streets highest ADT section is 9,100 between Pokegama Avenue and 1st Avenue NW. The case studies also indicated that the roads became safer for both vehicles and pedestrians with the reduction in speed of up to 4 mph, shorter distance for pedestrians to cross in front of vehicles. Graphs regarding ADT and vehicle lane accommodations are attached for reference.

This conversion would be on a trial basis and short-term paint that would last three to four years would be utilized. Then in 2016, when 5th Street North is milled and overlaid, a final decision can be made on the effectiveness of the three-lane section and the utilization rate of the dedicated bicycle lanes.

City staff have generated an opinion of cost at \$35,000. On the regular agenda there is an RCA to submit a grant application to Bikes Belong for a \$10,000. Staff would be coming back to council in late May or June to get final approval to move forward with the conversion project.

Staff Recommendation:

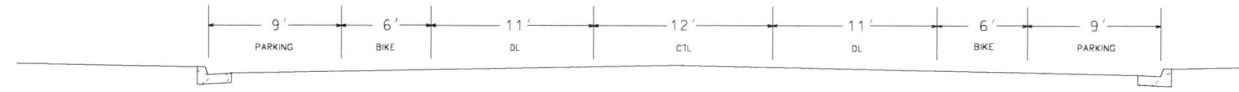
City staff is currently not making a recommendation.

Requested City Council Action

Consider having a discussion at the work session on this item.



EXISTING TYPICAL SECTION



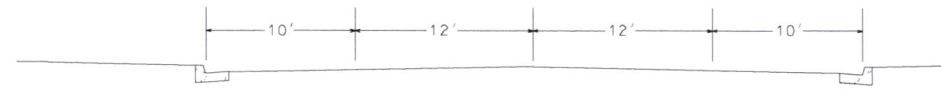
PROPOSED TYPICAL SECTION

MEETS BIKE MANUAL
4-3.3.3
(BIKE LANE SIGNS AND
PVMNT MARKING REQ'D)

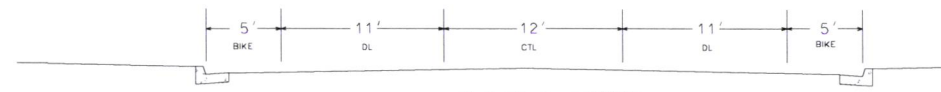
4th AVE. WEST TO 3rd AVE. EAST
(64' FACE/FACE)

LEGEND

PARKING	=	PARKING LANE
BIKE	=	DESIGNATED BIKE LANE
DL	=	DRIVING LANE
CTL	=	CENTER TURN LANE



EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION

MEETS BIKE MANUAL
4-3.3.1
(BIKE LANE SIGNS AND
PVMNT MARKING REQ'D)

3rd AVE. EAST TO 6th AVE. EAST
(44' FACE/FACE)

* WOULD NEED TO PASS A RESOLUTION
ELIMINATING PARKING

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DESIGN TEAM	NO.	BY	DATE	REVISIONS	

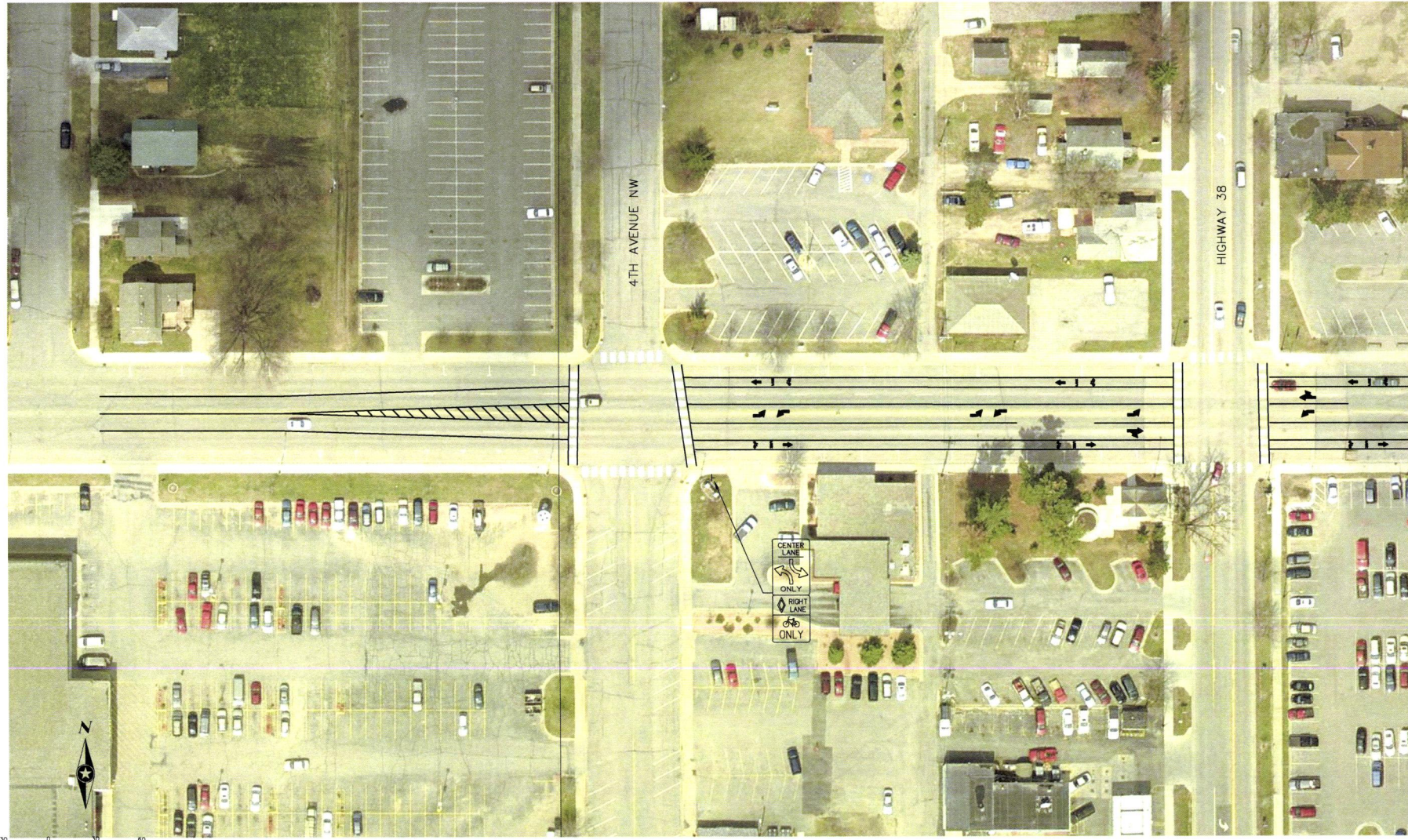


GRAND RAPIDS,
MINNESOTA

PROPOSED TYPICAL SECTIONS
5TH STREET SOUTH
CITY PROJECT 2012-9

FILE NO.
118053

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7



5TH STREET NORTH

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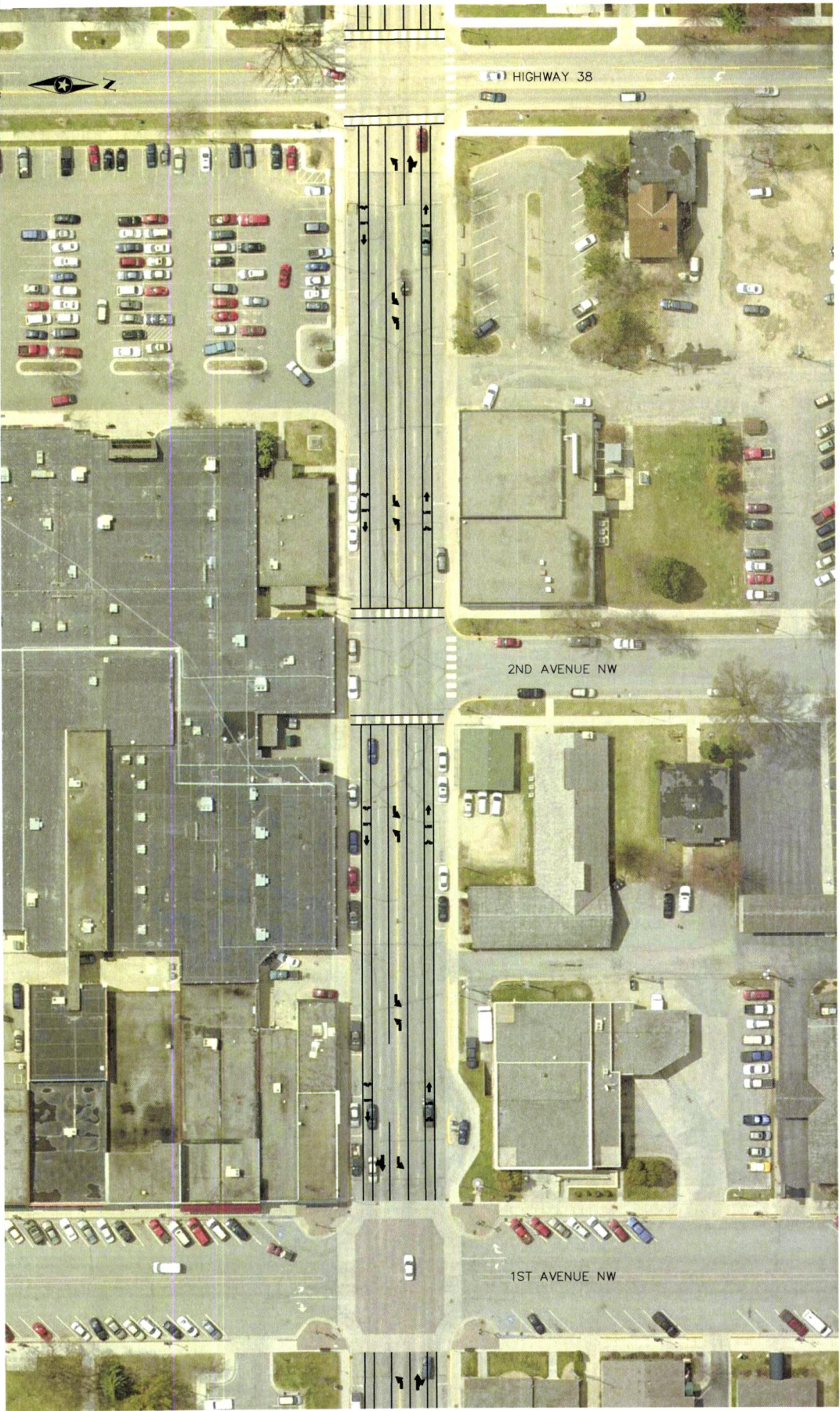
SEH
 PHONE: 218.322.4500
 21 NE 5TH ST, STE 200
 GRAND RAPIDS, MN 55744-2601
 www.sehinc.com

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PROPOSED STRIPING LAYOUT
5TH STREET NORTH
CITY PROJECT 2012-9

FILE NO.
118053


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5TH STREET NORTH

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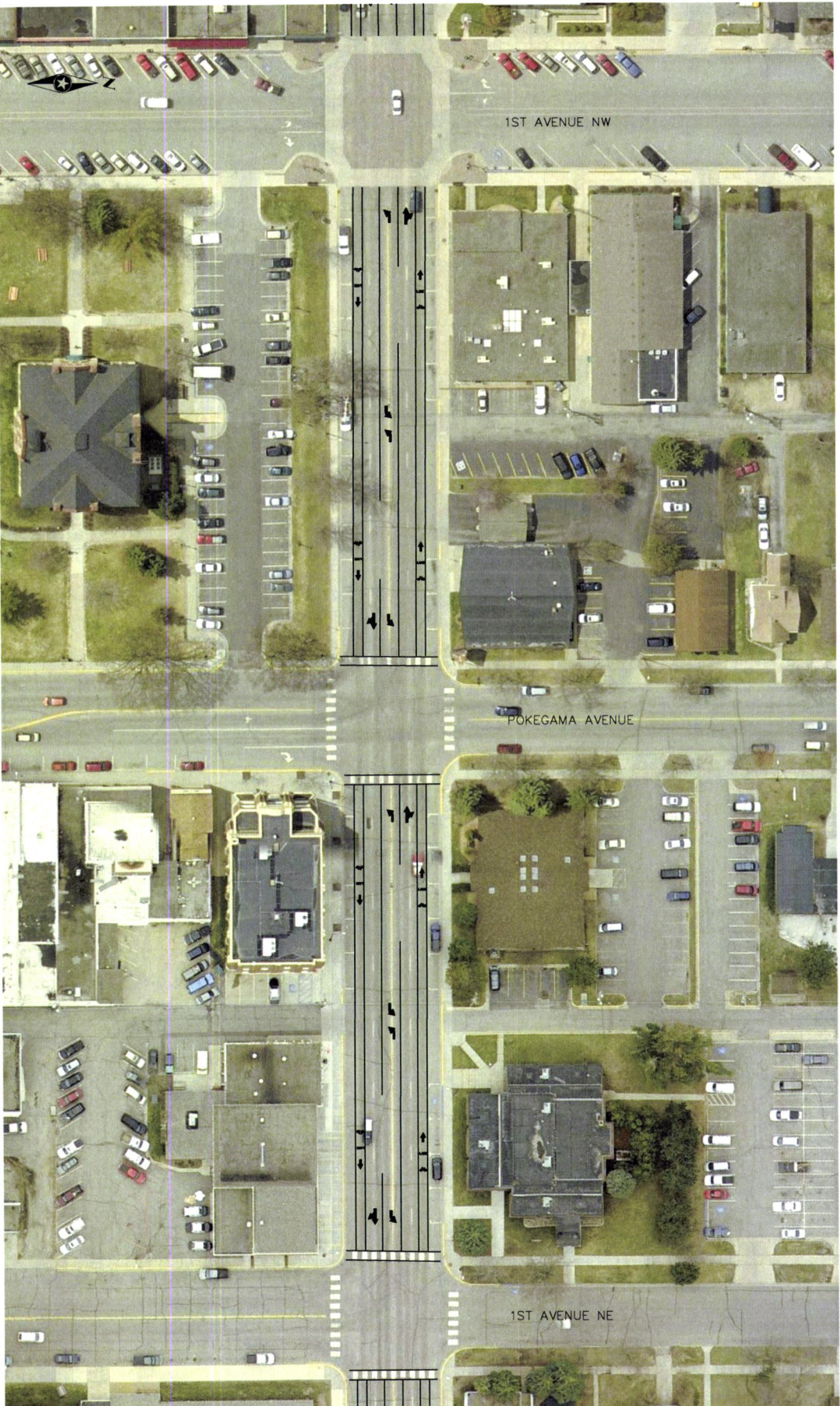


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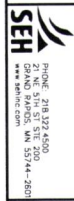
PROPOSED STRIPING LAYOUT
 5TH STREET NORTH
 CITY PROJECT 2012-9

FILE NO.
 118003



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5TH STREET NORTH



**GRAND RAPIDS,
MINNESOTA**

**PROPOSED STRIPING LAYOUT
5TH STREET NORTH
CITY PROJECT 2012-9**

FILE NO.
118283



5TH STREET NORTH

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PROPOSED STRIPING LAYOUT
5TH STREET NORTH
CITY PROJECT 2012-9

FILE NO.
118053

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DESIGN TEAM	NO	BY	DATE	REVISIONS	

5TH STREET NORTH

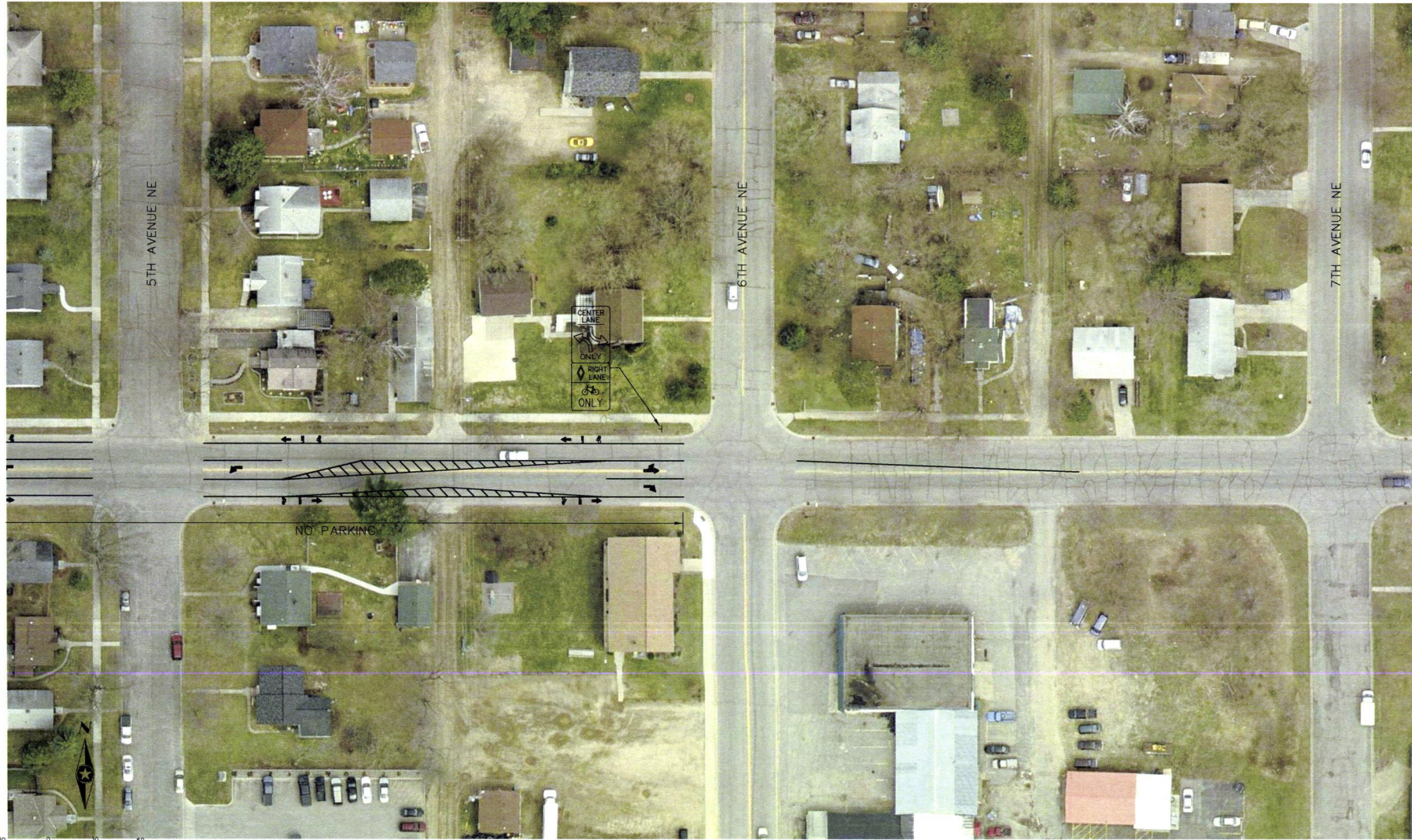
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 MINNESOTA**

**PROPOSED STRIPING LAYOUT
 5TH STREET NORTH
 CITY PROJECT 2012-9**

FILE NO.
 118053

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5TH STREET NORTH

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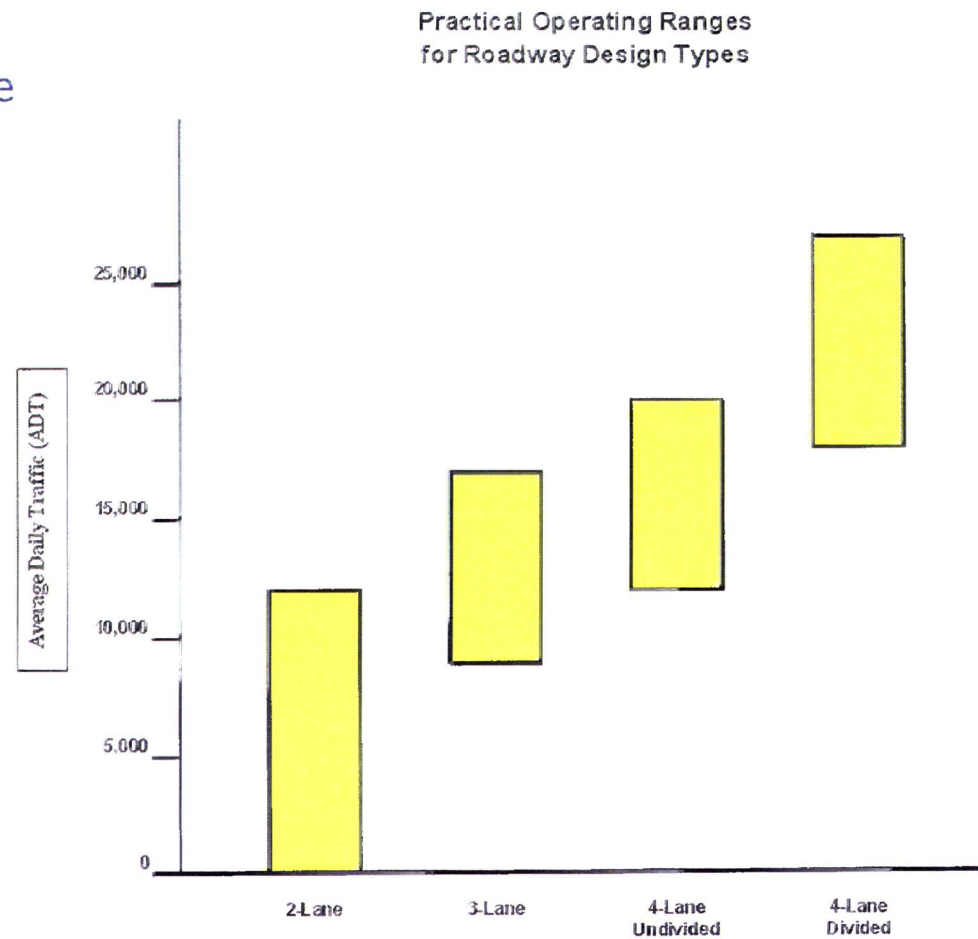
GRAND RAPIDS,
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PROPOSED STRIPING LAYOUT
 5TH STREET NORTH
 CITY PROJECT 2012-9

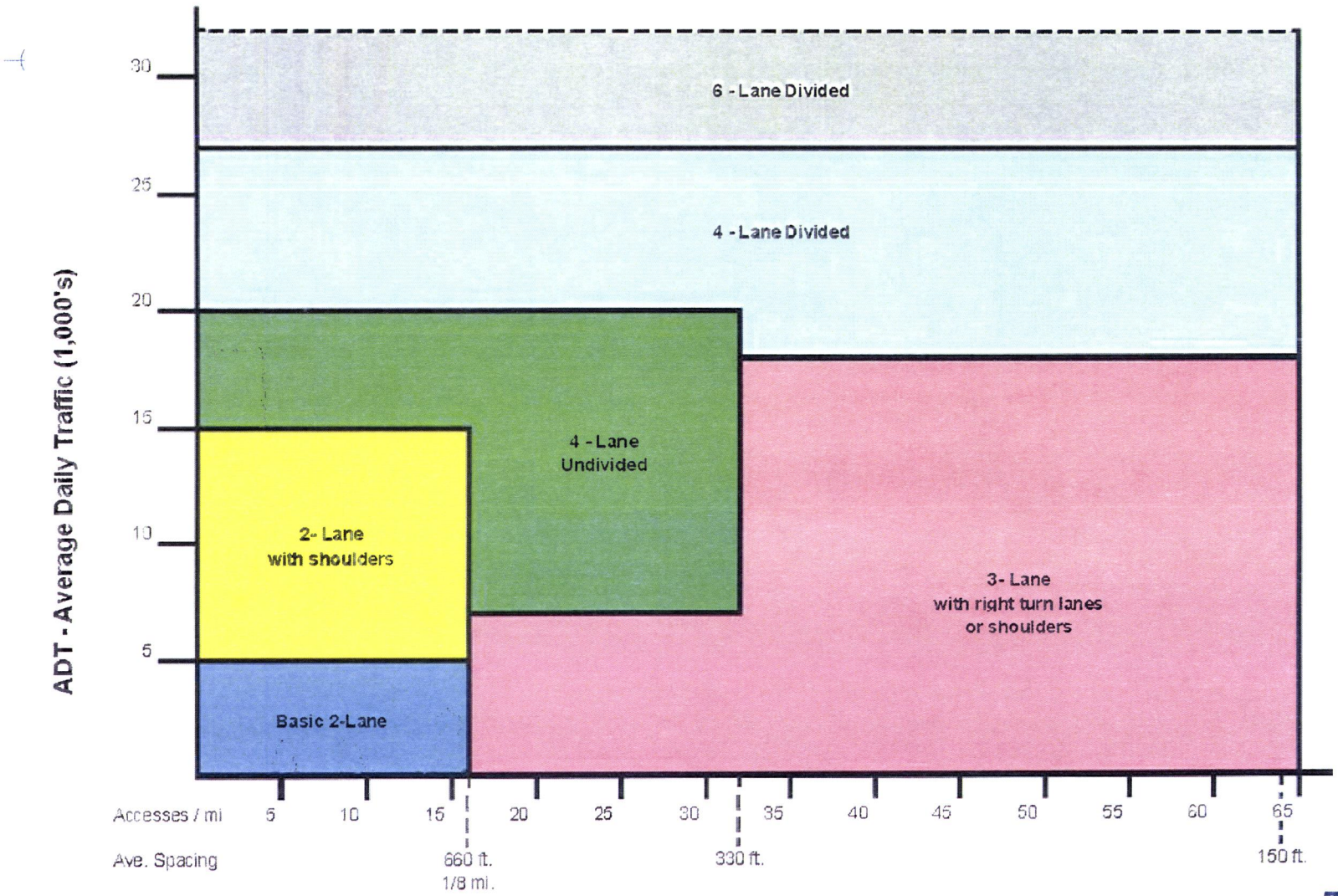
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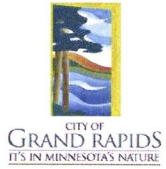
Context is Important

- Practical ADT operating range
- Access spacing
- Truck & bus traffic
- Need for on-street parking
- Street network configuration
- Bicycle accommodations



Choice of Roadway Section Based on ADT and Access Spacing





CITY OF GRAND RAPIDS

Legislation Details (With Text)

File #: 10-1227 **Version:** 1 **Name:**
Type: Agenda Item **Status:** CC Worksession
File created: 1/6/2011 **In control:** City Council Work Session
On agenda: 1/10/2011 **Final action:**
Title: Review regular meeting agenda and other business as noted.
Sponsors:
Indexes:
Code sections:
Attachments:

Date	Ver.	Action By	Action	Result
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Title
Review regular meeting agenda and other business as noted.