

# Ridgedale Area Project Update

Public Informational Meeting  
August 3, 2015

# City Project Personnel

## Introductions

Will Manchester, Director of Engineering

Julie Wischnack, Community Development Director

Jeremy Koenen, Assistant City Engineer

Jeff Thomson, Associate Planner

# Project Consultants

## Introductions

Lee Gustafson, WSB and Associates  
Project Manager

Matt Pacyna, SRF Consulting Group  
Cartway Lane/Ridgedale Drive Design

Joan Macleod, Damon Farber  
Street Light Planning and Design

Jack Corkle, WSB and Associates  
Pedestrian and Trail Planning

# Agenda

- Background
- Ridgedale Area Projects
  - Cartway Lane/Ridgedale Drive
    - Staging / Future Improvements
  - Street Light Planning and Design
  - Pedestrian and Trail Planning
- Next Steps / Schedule
- Questions

# Background

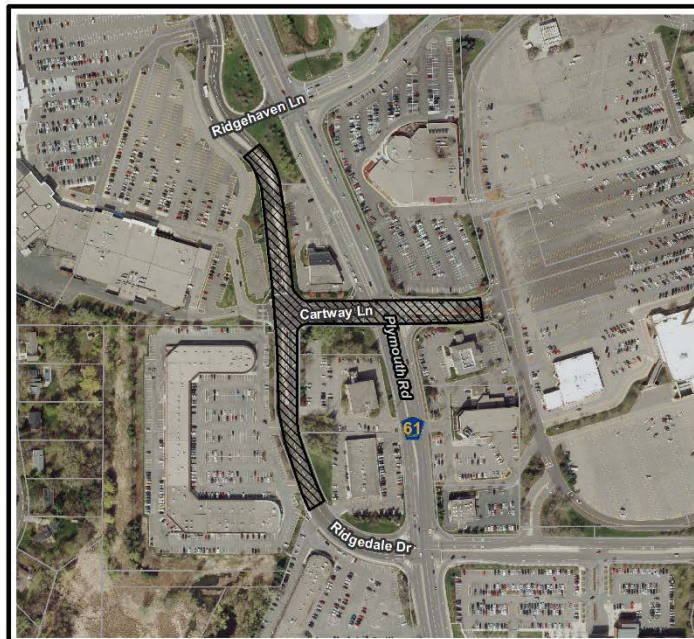
Series of three community meetings

- Updates on Ridgedale Area Projects
  - Cartway Lane and Ridgedale Drive
  - Street light planning and design
  - Pedestrian and trail planning
- [www.eminnetonka.com](http://www.eminnetonka.com)
  - “Cartway Lane and Ridgedale Drive Improvements”

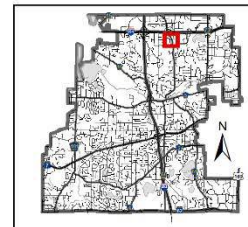
# Ridgedale Area Projects

- Cartway Lane and Ridgedale Drive
  - 2015: Design
  - 2016: Construction
- Street light planning and design
  - 2015: Develop area master plan
- Pedestrian and trail planning
  - 2015: Develop area master plan
- Install sidewalks and lighting
  - 2016 – 2019 as opportunities develop
    - 2016: Cartway Lane and Ridgedale Drive

# Cartway Lane and Ridgedale Drive

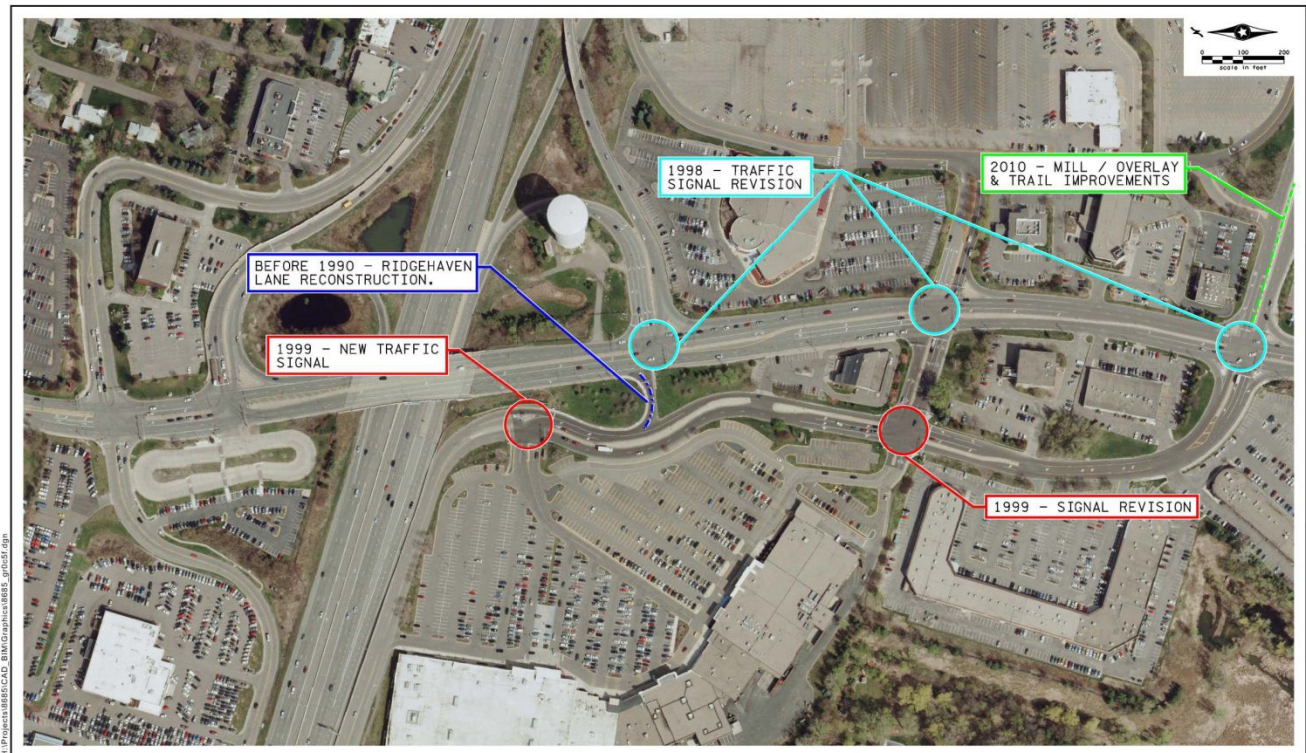


 Ridgedale Dr/Cartway Ln  
Street Improvements



This map is for illustrative purposes only.

# Construction History - Congestion



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**HISTORICAL AREA TRANSPORTATION IMPROVEMENTS**  
Ridgedale Drive / Cartway Lane Reconstruct  
Minnetonka

Figure H1



# Cartway Lane and Ridgedale Drive

- Concept development process
  - Property owner input
    - City Council meetings
    - April 30<sup>th</sup> informational meetings
  - Previous traffic studies
- Meetings with businesses and property owners
  - Reviewed concepts
    - Property impacts
  - Developed preferred entrance design

# Intersection Area



# Heavy Left Turn Movements



# Concept Development

- Key components
  - Improve traffic flow
    - Eliminate Cartway / Ridgedale signal
      - Primary source of congestion
  - Improve safety
    - Vehicular
    - Pedestrian
- Concept drawbacks
  - Can't address every issue

# Ramp Alignment Concept

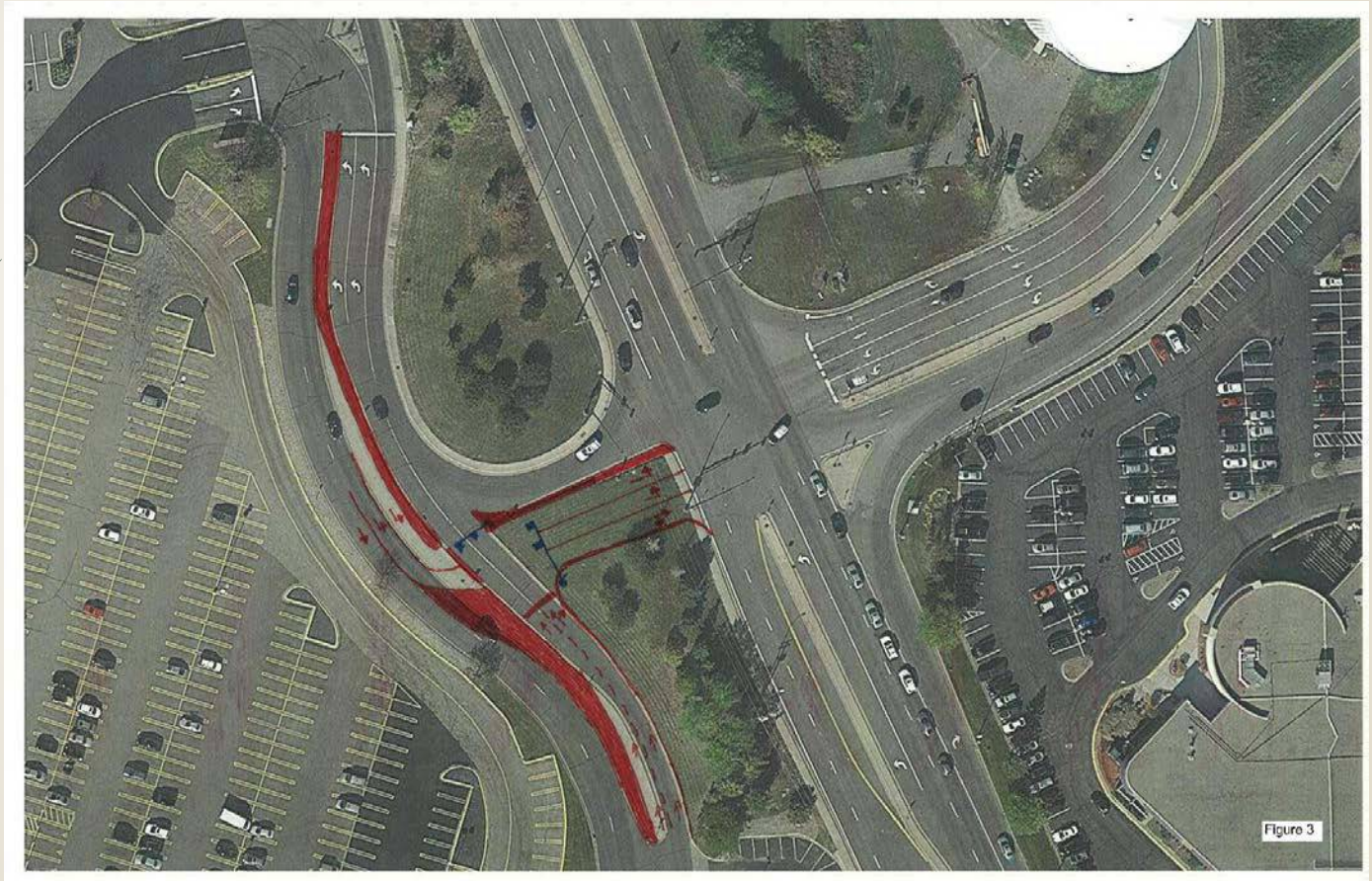
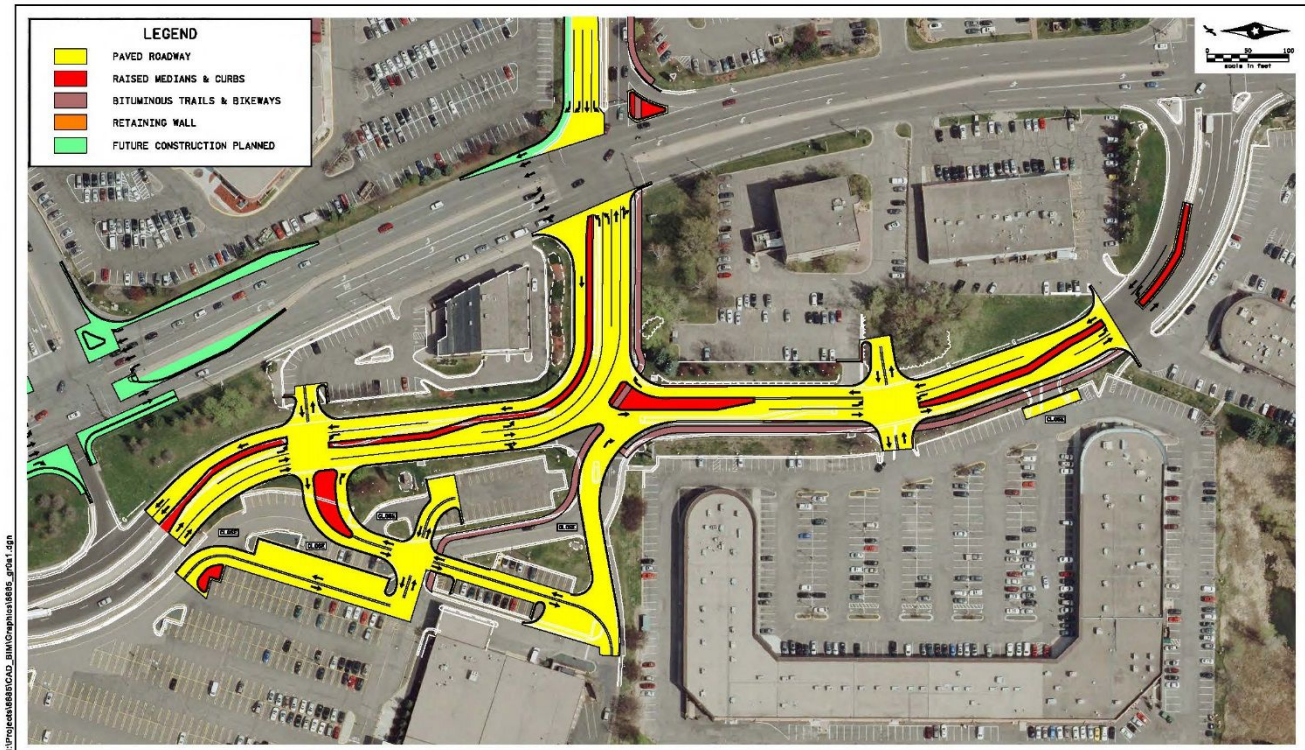


Figure 3

# Ramp Alignment Concept

- Issues and concerns
  - Roadway slope would be approx. 5%
    - Too steep for winter conditions
    - No space for level spot at signal
  - Introduce another signal on Ridgedale Dr
    - Signal spacing too close
    - Would not meet spacing guidelines
  - Insufficient left-turn stacking
  - Truck movements would be difficult

# Concept 1



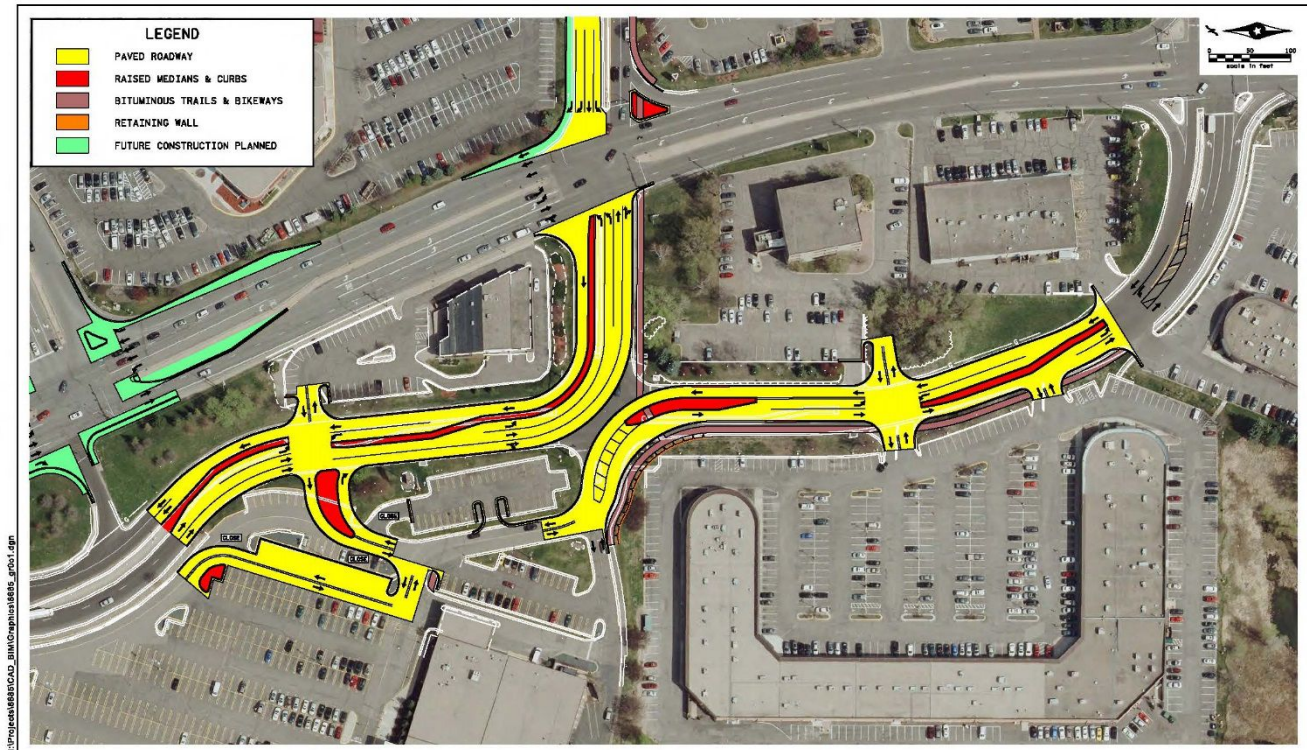
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**Alternative 1**  
Ridgedale Drive / Cartway Lane Reconstruct  
Minnetonka

Figure 1

# Concept 3



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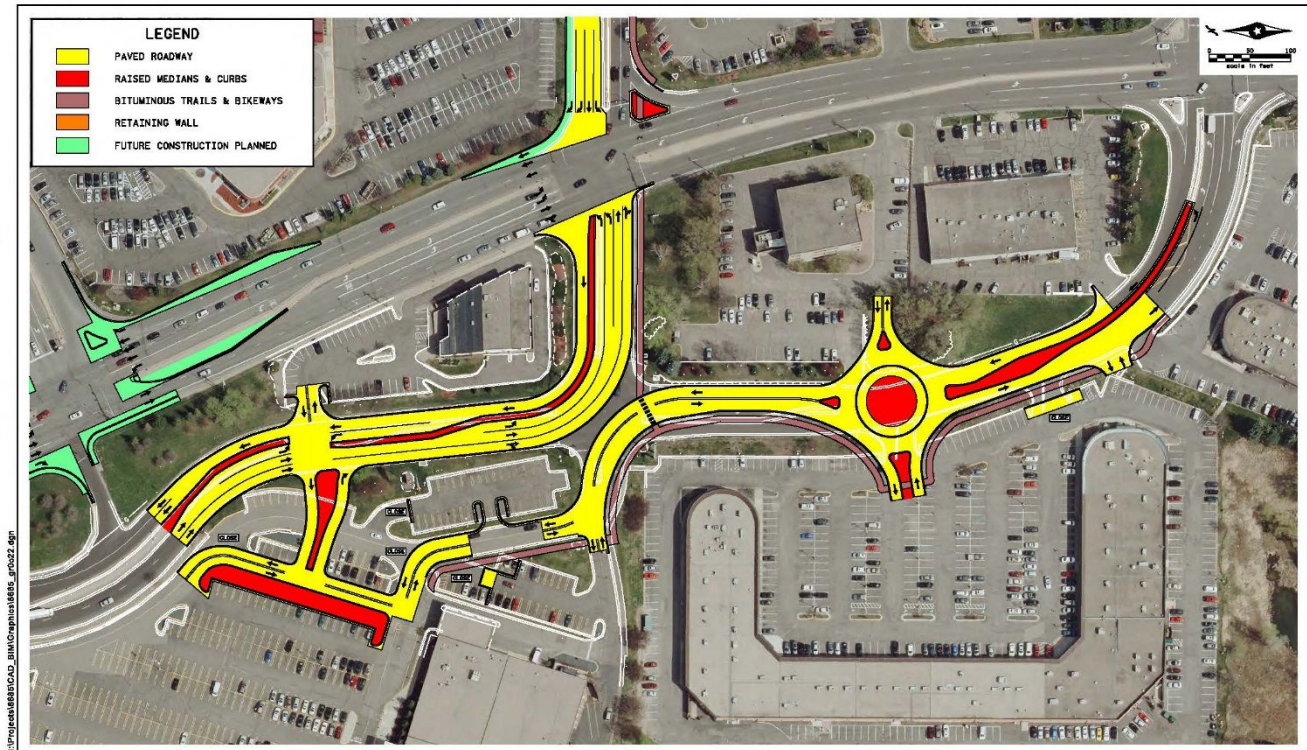


Alternative 3A (Short - Term)  
Ridgedale Drive / Cartway Lane Reconstruct  
Minnetonka

Figure 2



# Concept 3 – Future Option



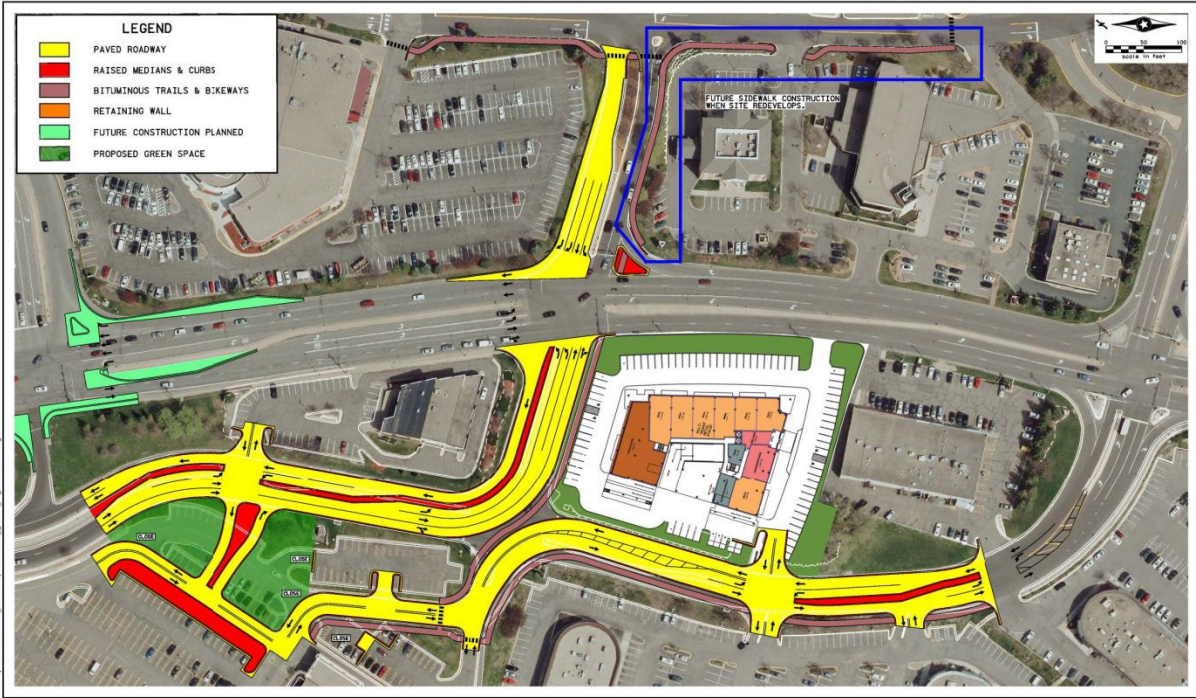
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**Alternative 3B (LONG - TERM)**  
Ridgedale Drive / Cartway Lane Reconstruct  
Minnetonka

Figure 3

# Recommended Concept



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**SRI** 2016 PROPOSED CITY CONSTRUCTION - CARTWAY LANE & RIDGEDALE DRIVE  
Consulting Group, Inc.  
Ridgedale Drive / Cartway Lane Reconstruct  
Minnetonka

Figure 2A

# Travel Patterns

## Ridgedale Drive / Cartway Lane Future Area Travel Patterns

Click Below for Specific Travel Patterns

BYERLYS	IN	OUT	RIDGE SQUARE	IN	OUT	LIBRARY	IN	OUT
HIGHLAND BANK	IN	OUT	SHOPPING CENTER	IN	OUT			

**LEGEND**

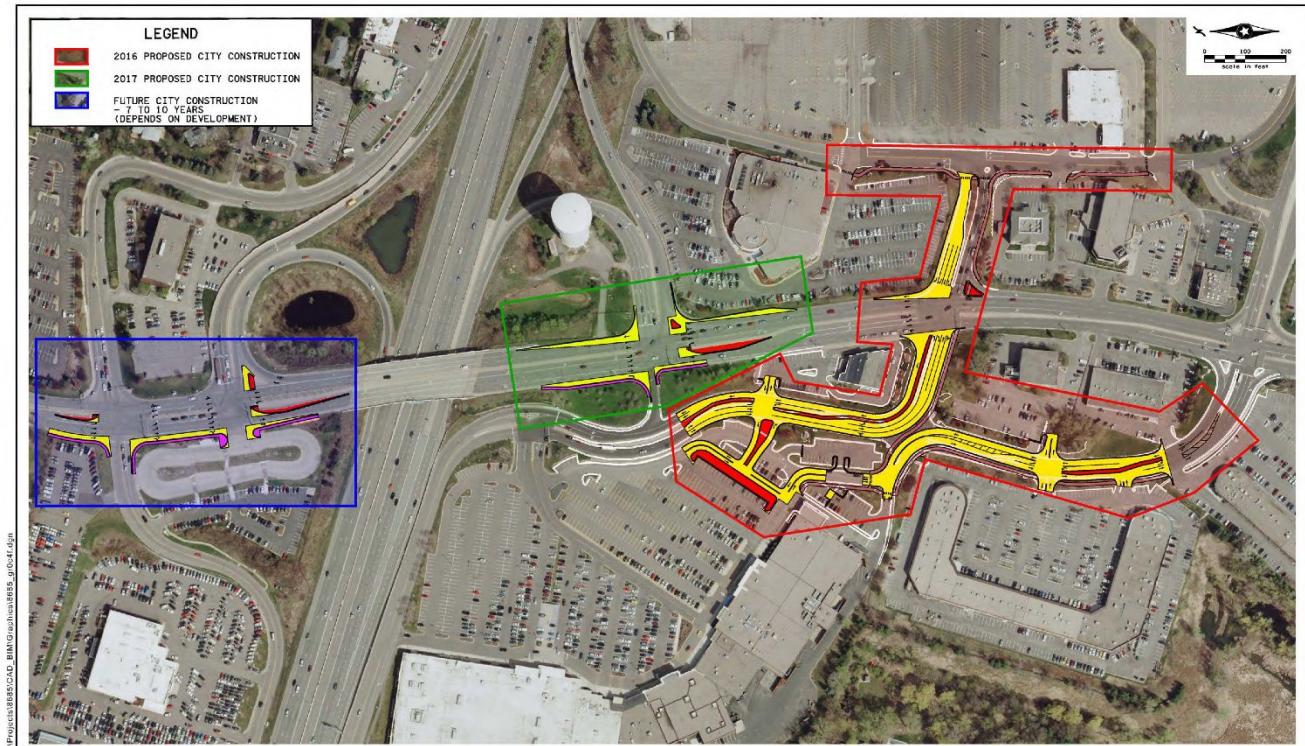
	PAVED ROADWAY
	RAISED MEDIAN & CURB
	BITUMINOUS TRAIL
	CONCRETE WALK



# Future Area Road Projects

- 2017
  - Plymouth Road / South 394 ramp intersection
- 2019
  - Ridgedale Drive: Plymouth - 394
- Future
  - Plymouth Road: N of 394

# Project Phasing



# Street Light Planning and Design

Joan Macleod, Damon Farber

- 2015: Develop area master plan
- Process

# Pedestrian and Trail Plan

Jack Corkle, WSB and Associates

- 2015: Develop area master plan
- Process

# Next Steps & Schedule

- Informational meeting: August 3, 2015
- Present roadway concept to City Council: August 17, 2015
- Ridgedale Area Project update meeting: October 5, 2015
- City Council study session: October 19, 2015
- Ridgedale Area Project update meeting – final : November 12, 2015
  - Tentative – depending on status of studies
- Develop Cartway road plans, acquire easements, continue to meet with property owners – September 2015 through January 2016
- Begin Cartway/Ridgedale Drive construction: April 2016
- Complete construction: November 2016

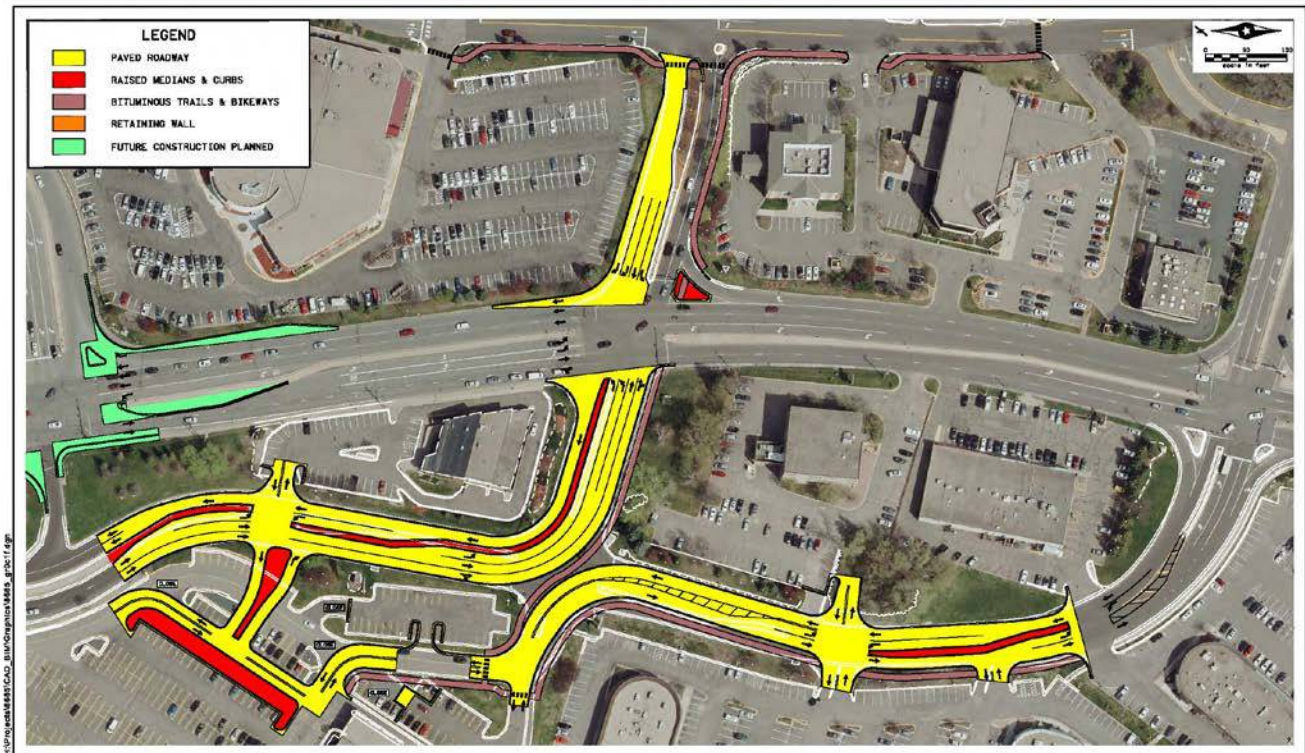


# Ridgedale Area Project Update

- Questions / Comments



# 2016 Project

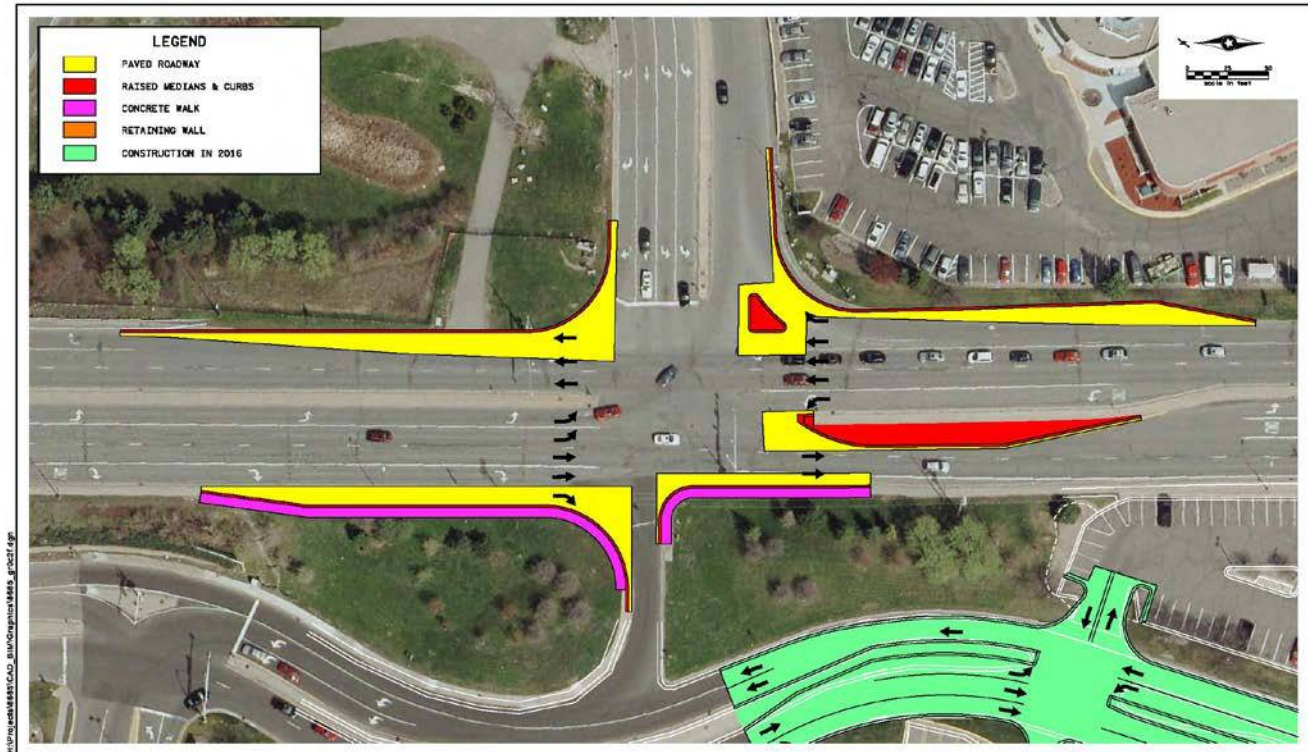


2016 PROPOSED CITY CONSTRUCTION - CARTWAY LANE & RIDGEDALE DRIVE

Ridgedale Drive / Cartway Lane Reconstruct  
Minnetonka

Figure 2

# 2017 Project



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Figure 3

# Future Project

