

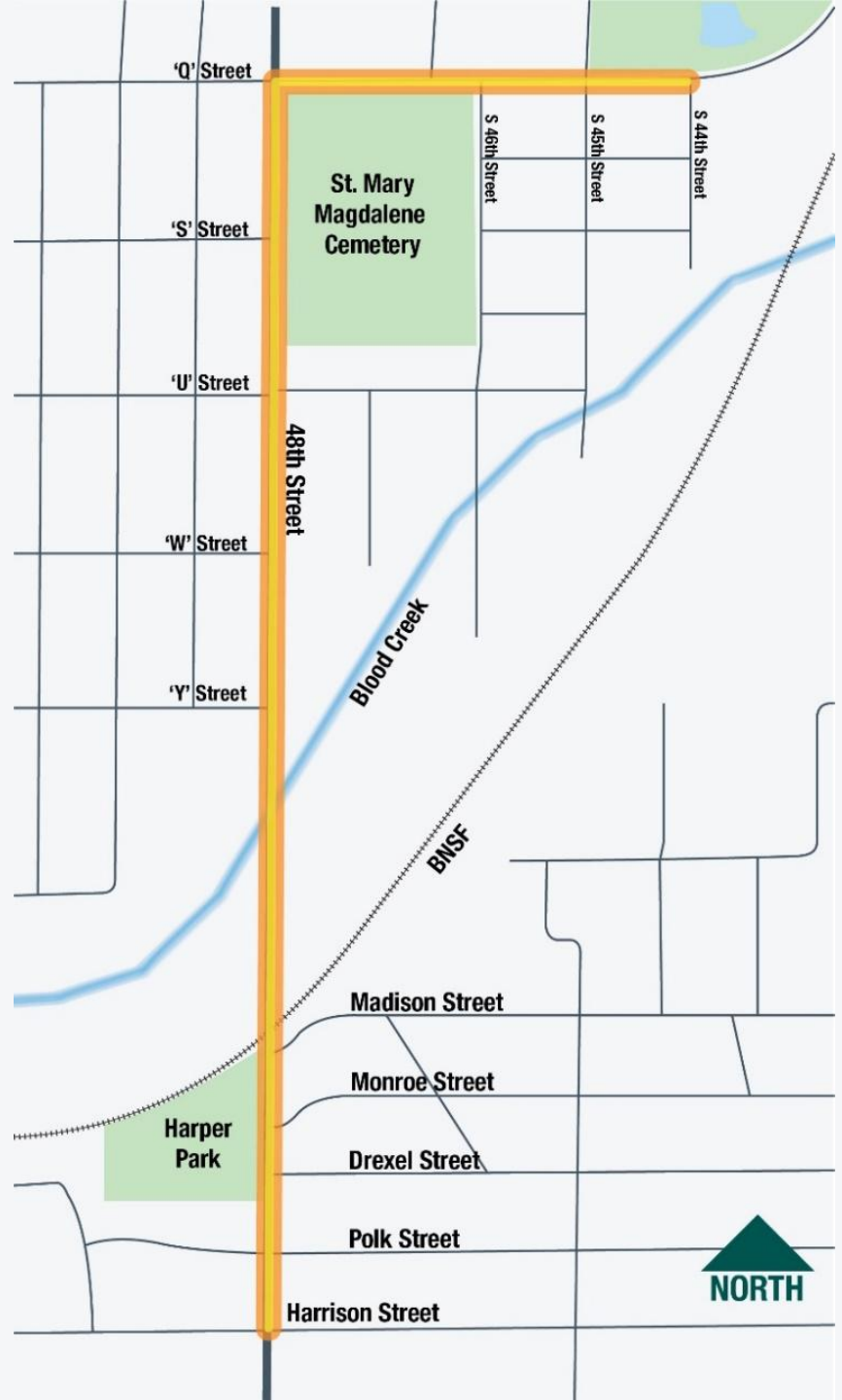
# 48<sup>th</sup> Street Improvements Project

City of Omaha Project OPW 52875

## Welcome!

The purpose of this meeting is to:

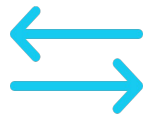
- Inform you of upcoming improvements
- Present conceptual design
- Receive public comments/concerns
- Integrate public input (comments/concerns) into identified solutions



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## Project Purpose



Improve Safety, Operations & Mobility



Enhance Pedestrian Facilities



Improve Access Management



Replace Aging Pavement

Current Daily  
Traffic

9,400 -  
10,800  
vehicles



Projected  
2040 Traffic

11,200 -  
12,400  
vehicles



Estimated  
Project Cost  
**\$8.01 Million**



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## Project Overview (continued)

### Project will determine:

- Typical Roadway Cross-Sections
  - Roadway Geometry
  - Turn-lane Recommendations
- Pedestrian Facilities
- Intersection Configurations
- Access Management

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## Alternatives Analysis

- 48<sup>th</sup> Street Alternatives:
  - 2-Lane Cross-section
  - 3-Lane Cross-section
  - Y Street Mini-roundabout vs. Stop Control





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## Alternatives Analysis

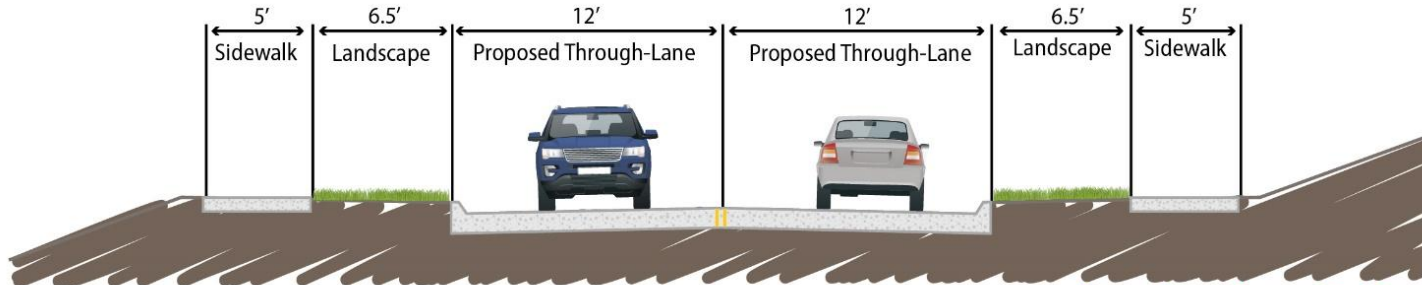
- Q Street Alternatives:
  - 2-Lane Cross-section
  - 3-Lane Cross-section
  - Traffic Signal vs Mini-roundabout at 48<sup>th</sup> Street



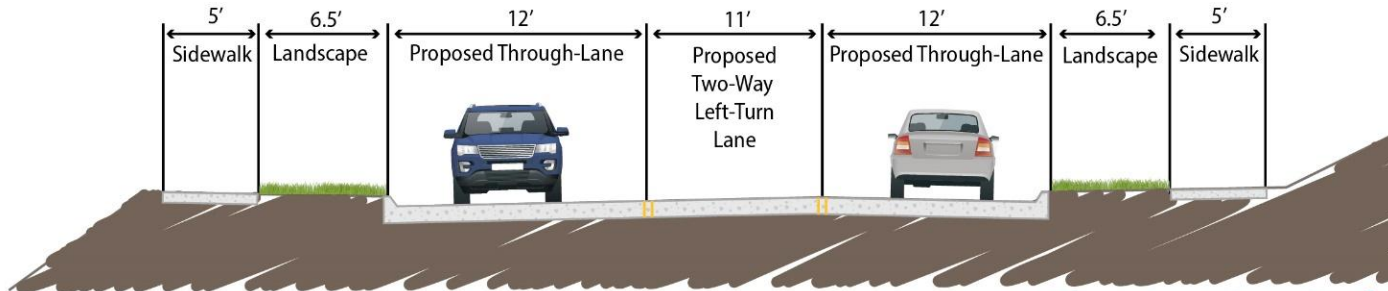
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## Typical Roadway Cross-Sections



### Two-Lane Cross-Section

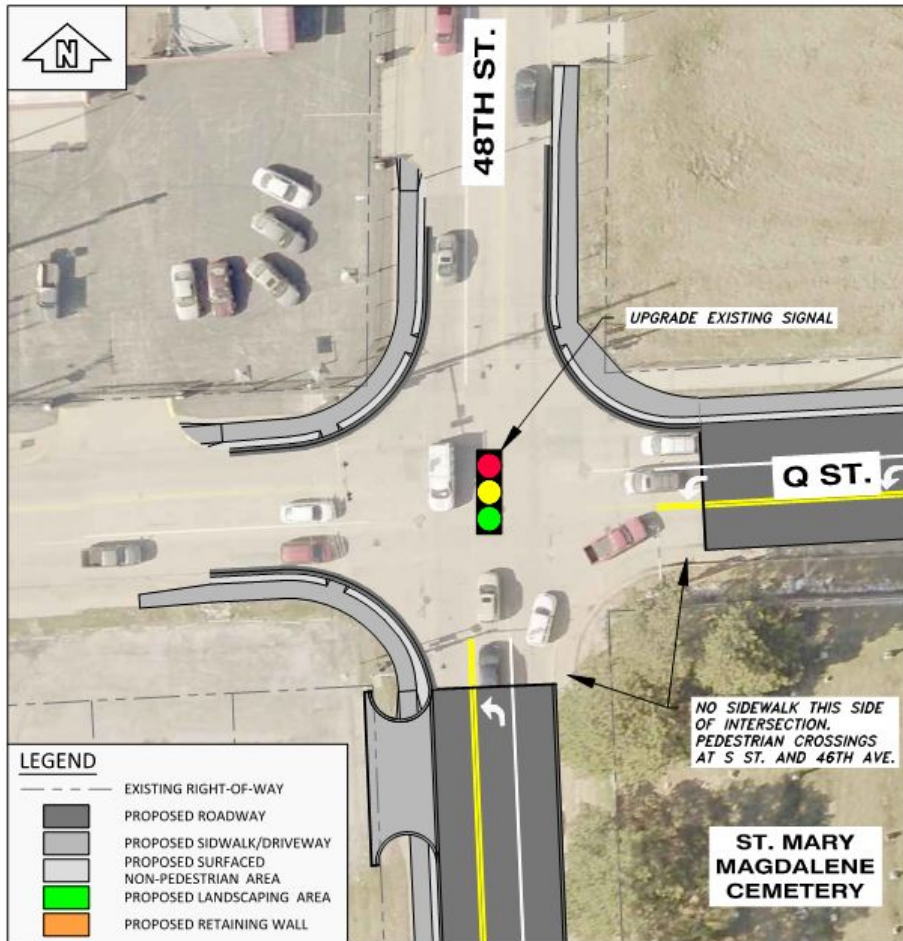


### Three-Lane Cross-Section

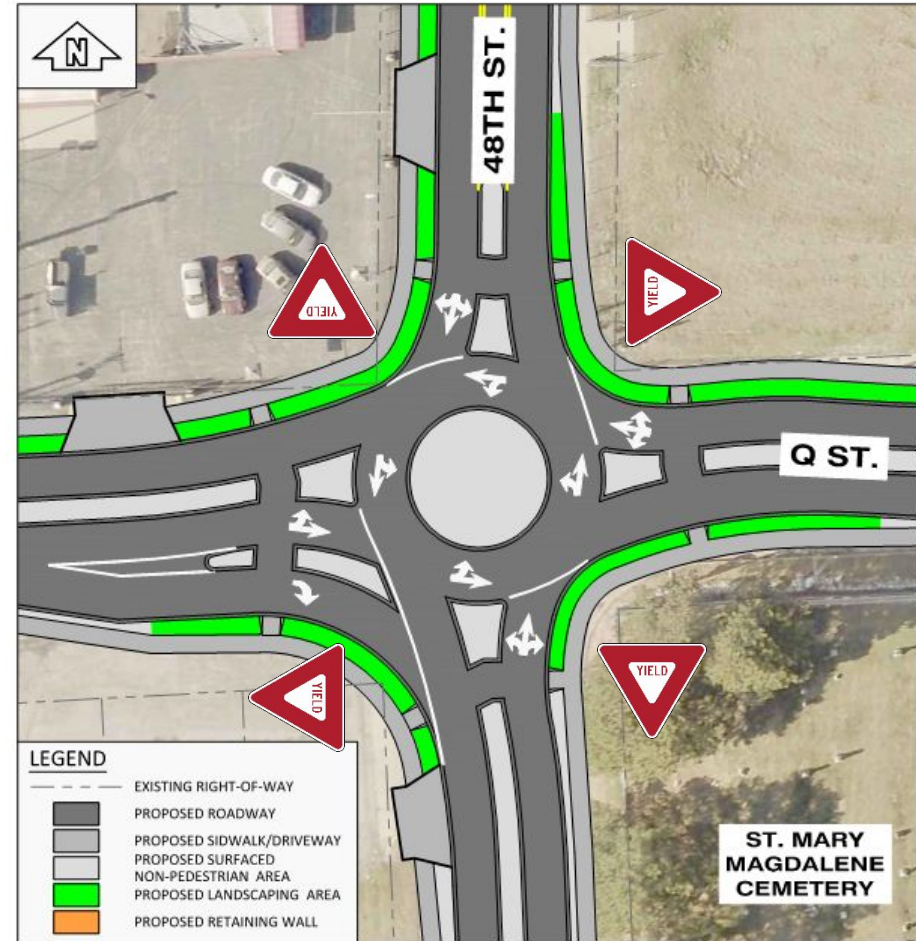
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## 48<sup>th</sup> Street & Q Street: Signalized Intersection Alternative



## 48<sup>th</sup> Street & Q Street: Mini-Roundabout Alternative

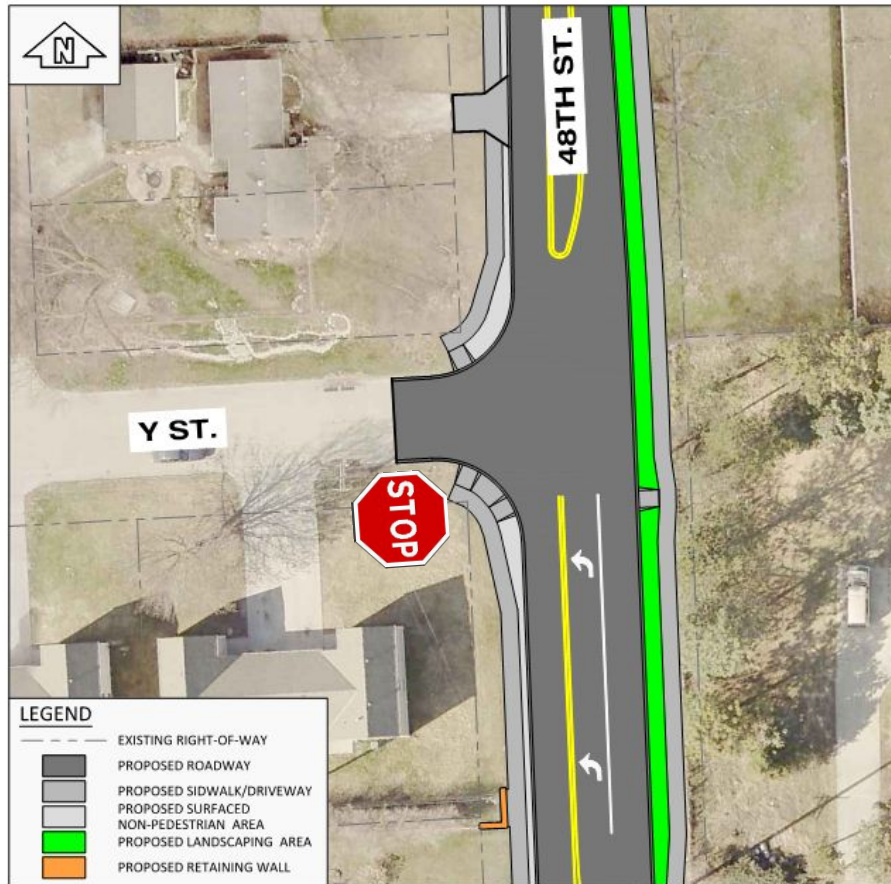




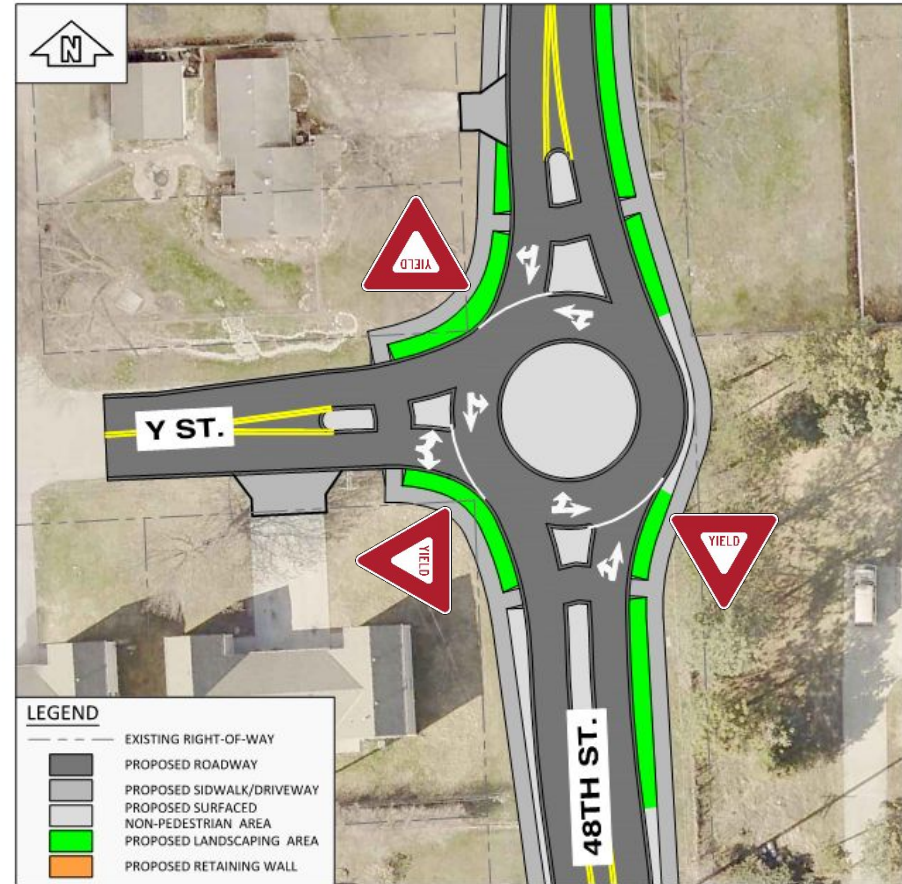
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## 48<sup>th</sup> Street & Y Street: Traditional Intersection Alternative

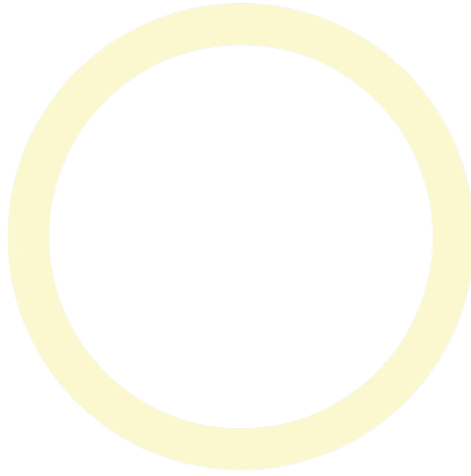


## 48<sup>th</sup> Street & Y Street: Mini-Roundabout Alternative



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	Cross-Section Evaluation			Intersection Control Evaluation			
	No-Build	2-Lane	3-Lane	48th & Y		48th & Q	
				RA	SC	RA	Signal
Pavement Rehabilitation	○	●	●	NA	NA	NA	NA
Vehicle Safety	○	◐	●	●	◐	●	◐
Pedestrian Safety	○	●	●	●	◐	●	◐
Vehicle Capacity	○	◐	●	●	◐	●	◐
Minimize Right-Of-Way Impacts	●	◐	○	○	◐	○	◐
Project Cost	●	◐	○	○	◐	○	◐
Traffic Calming	NA	NA	NA	●	○	●	◐
Driver Expectancy	NA	NA	NA	◐	●	◐	●
Access Management	○	○	●	NA	NA	NA	NA
Public/Stakeholder Input	To Be Determined						

RA = Roundabout | SC = One-Way Stop Control | Signal = Signalized | NA = Not Applicable



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## Project Schedule

