

# Northfield Boulevard Reconstruction



## Project Introduction

### Purpose and Need

The purpose of the project is to reconstruct the roadway to modern standards and to make safety improvements throughout the corridor.

### Project Background

- Original plan was for pavement reclamation
  - Scheduled for 2024
- The scope of work was revisited for the reasons listed
  - Many drainage culverts require replacement
  - Intersection safety improvements needed
  - High volume of truck traffic
  - Age of roadway
- Dakota County Capital Improvement Plan (2025)
  - Programmed for reconstruction in 2027 and 2028

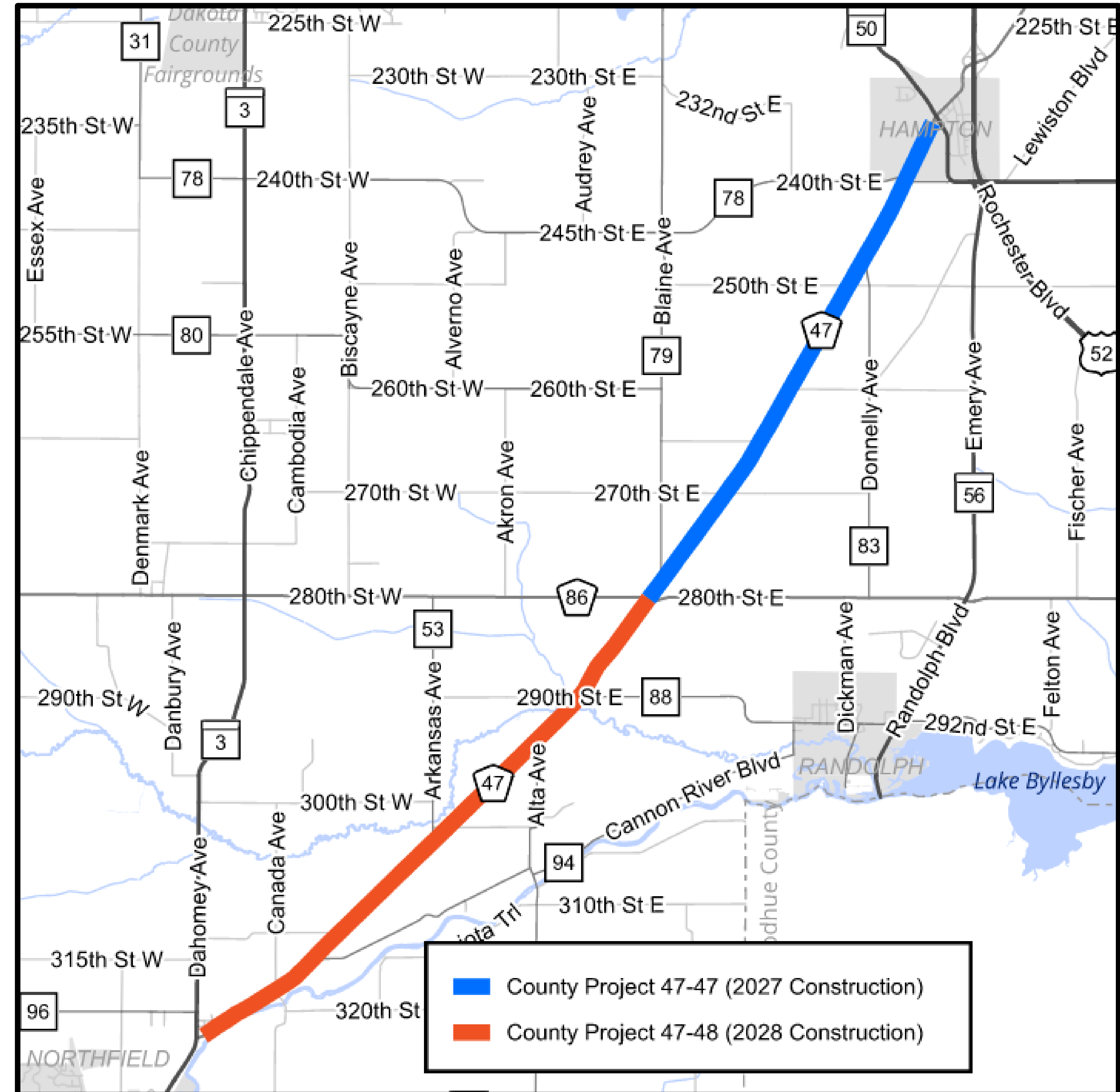
### Project Contact

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Dakota County Design Engineer

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**PROJECT LOCATION**



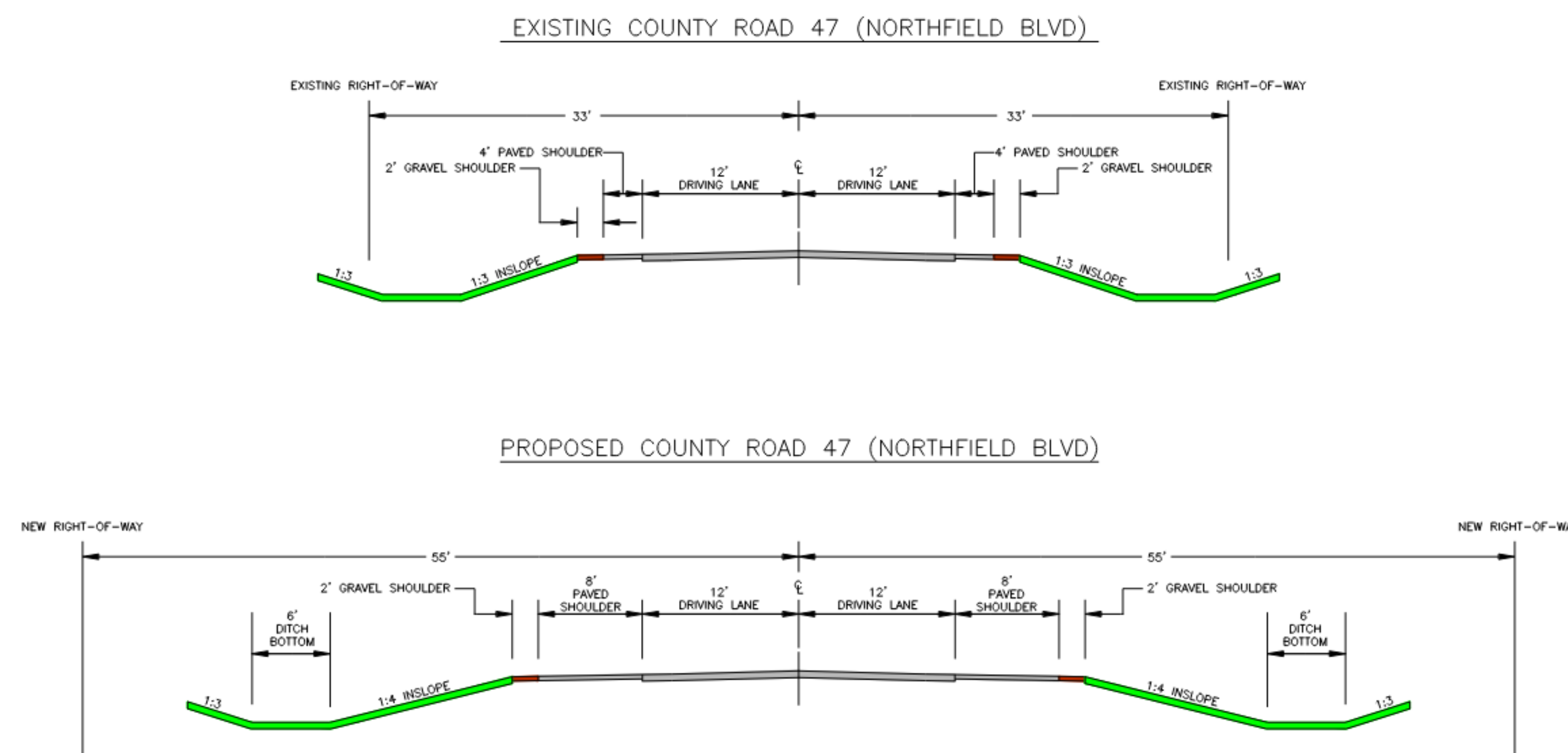
## Roadway Improvements

### Typical Section

- Wider shoulder
  - Reduces crashes.
  - Increased safety for pedestrians, cyclists, law enforcement, and farm vehicles.
  - Increased safety and efficiency for County maintenance vehicles.
- Flatter inslopes
  - More recoverable for vehicles that run off the road.
  - Reduces chances of vehicle roll-over.

### Pavement Design

- Traffic on Northfield Boulevard is nearly 25% trucks.
- A pavement section can be designed to be more resistant to damage from vehicle traffic.
- The sand placed below the roadway helps reduce damage from the yearly freeze-thaw cycle.
- Concrete pavement is being considered for this corridor.



### Drainage

- Many of the existing culverts are 65+ years old.
- Culverts become damaged over time and need replacement.
- All culverts will be replaced with the project.
- Hydraulic analysis will be performed to make sure culverts are the correct size.



## Intersection Safety Improvements

### What does this mean?

There are several improvements that Dakota County will make at intersections throughout the corridor that are proven methods to improve safety.

### Intersection Lighting

- Reduction in nighttime crashes.
- Improves visual cue of upcoming intersections at night.



### Skew Correction

- Enhances sight distance for drivers with limited neck movement.
- Reduces confusion for drivers, cyclists, and pedestrians.
- Reduction in crashes.



### Turn Lanes

- Reduces rear-end crashes and other crash types.
- Allows drivers to wait for a comfortable gap in traffic before making left turns.




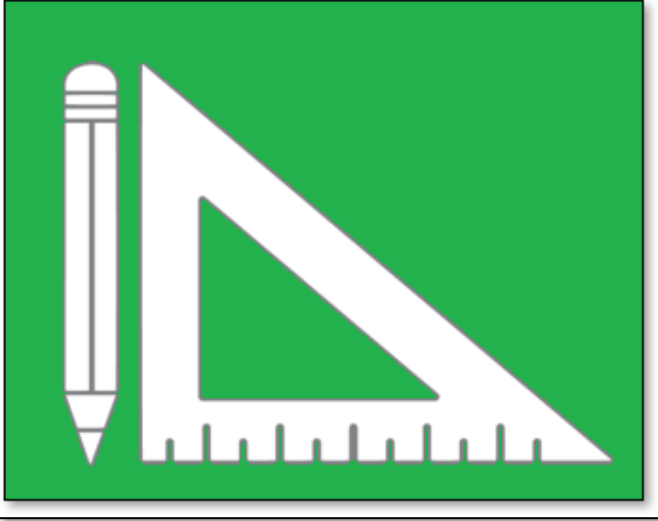



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## Project Schedule



	2025	2026	2027	2028
 <p><b>Communications</b></p>	Meetings/communications with residents and property owners along the roadway		Communications throughout the construction process ( <i>we will keep you informed using the website</i> )	
	Right-of-way acquisition			
 <p><b>Design</b></p>	Preliminary design	Final engineering design		
			Roadway Construction (North Project)	Roadway Construction (South Project)
 <p><b>Construction</b></p>			<p><i>NOTE: Detours will be in place during construction season.</i></p>	