

# Public Meeting

**S.D. Highway 47 and S.D. Highway 249  
in Fort Thompson and Intersection of  
S.D. Highway 249 and S.D. Highway 34**

**Mark Malone, PE  
SDDOT Road Design**

**June 14, 2023**



# Purpose of the Meeting

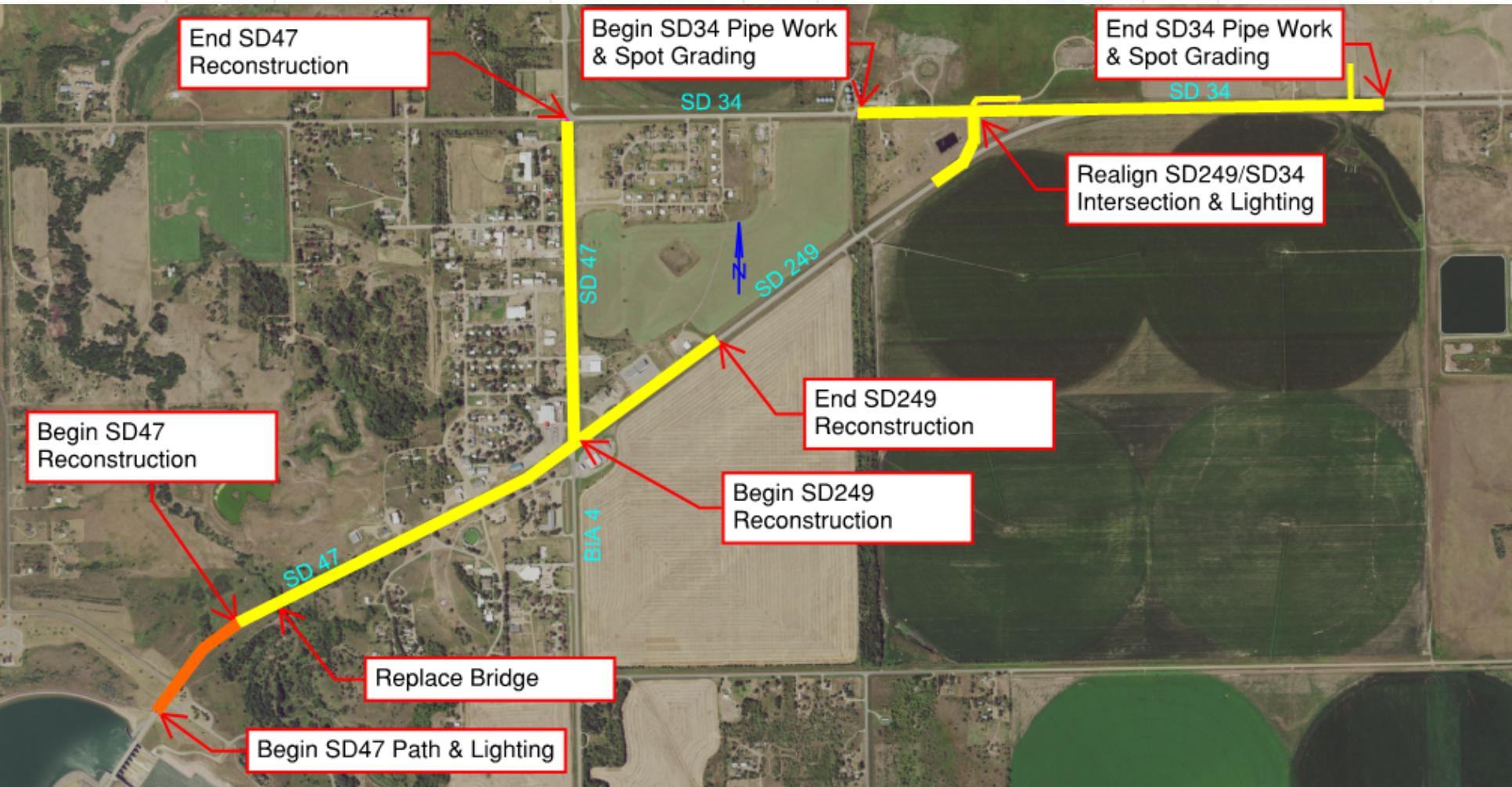
**Involve the public  
in the planning  
and design process**

**Provide a Project  
Overview**

**Gather Input and  
Comments**

- **Background Information**
- **Proposed Project**
- **Safety Enhancements**

# Project Limits



# Background Information

Grading – mid 1960's

Last Surface Improvements in 2000



# Traffic

Highway	2019 Average Daily Traffic (ADT)	2039 Projected ADT	2019 Truck Traffic
SD47 North/South	2,167	2,592	10.2%
SD47 East/West	1,426	1,705	6.2%
SD249	520	622	14.7%
SD34	565	676	23.5%



# Crash History

1 Reported Crash

- Impact Bridge Guardrail

0 Fatalities

**5 Year Period  
from 2015 to  
2019**

- All Crashes are NOT being reported to the State
- Data not indicative of current highway safety

**Caution**

# Why We Are Reconstructing

Pavement Condition

Lack of Pedestrian Facilities

Drainage

Improve Safety

# Proposed Improvements

Modify Intersection(s)

Add Sidewalks & Shared Use Path

New Storm Sewer

# Proposed Improvements

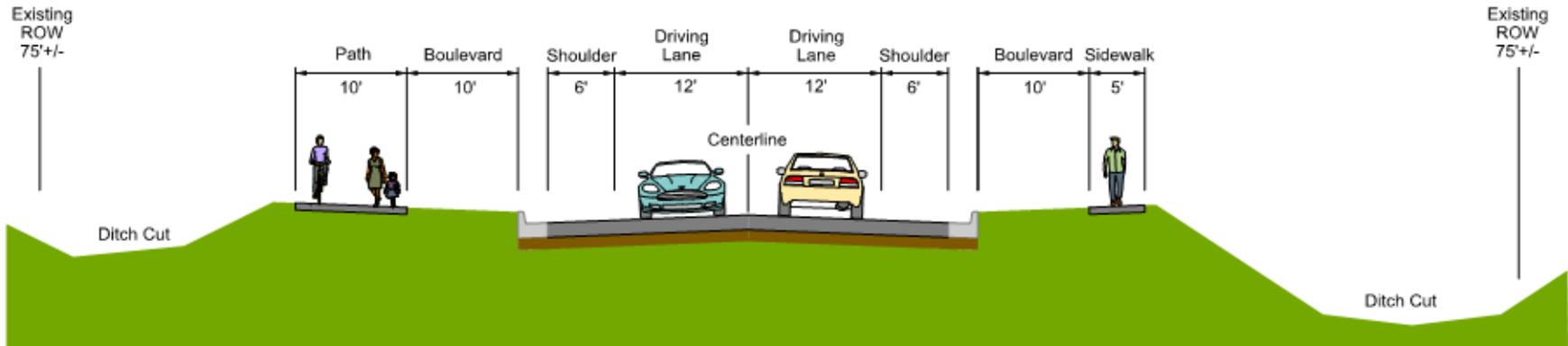
Roadway Lighting

Pedestrian Crossing Enhancements

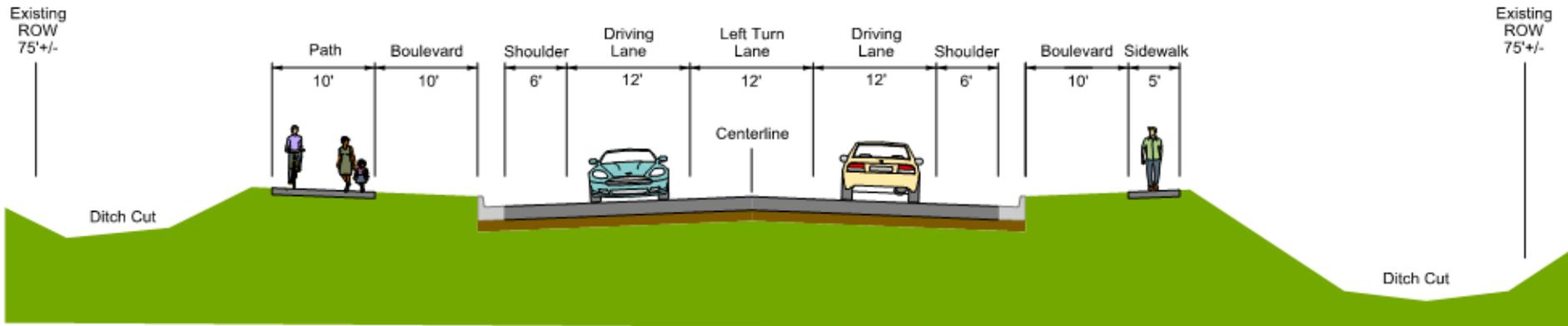
New Bridge & Culverts

# Proposed Typical Section

Urban 2 Lane  
SD47 and SD249 in Fort Thompson

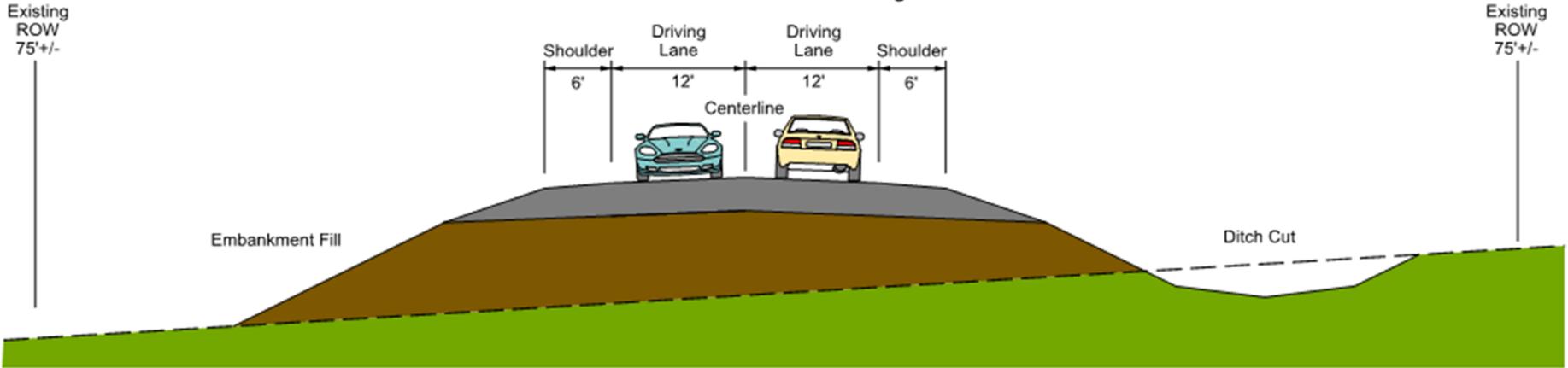


Urban 3 Lane with Center Turn Lane  
SD47 and SD249 East and West from SD47/SD249 Intersection

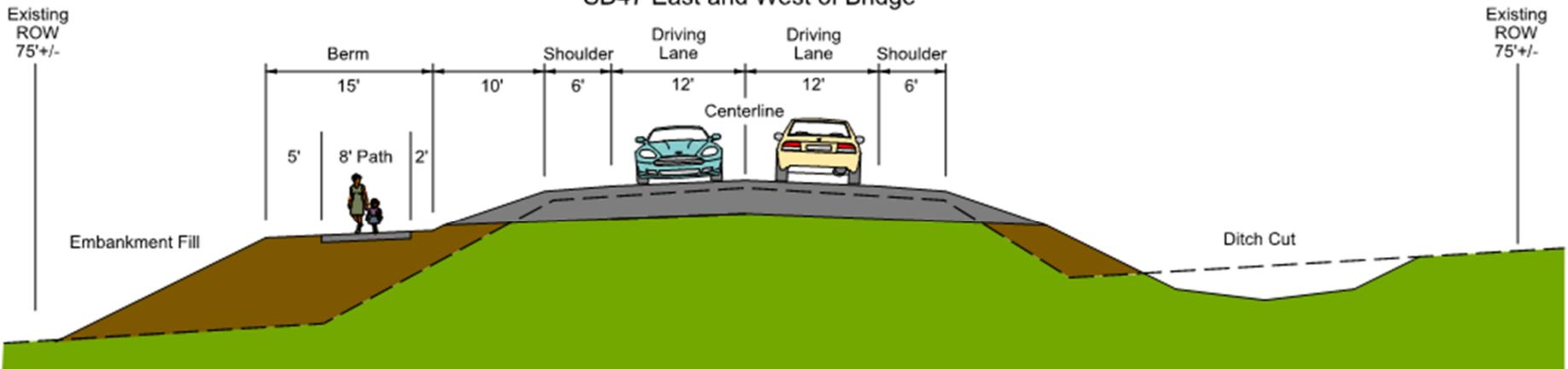


# Proposed Typical Section

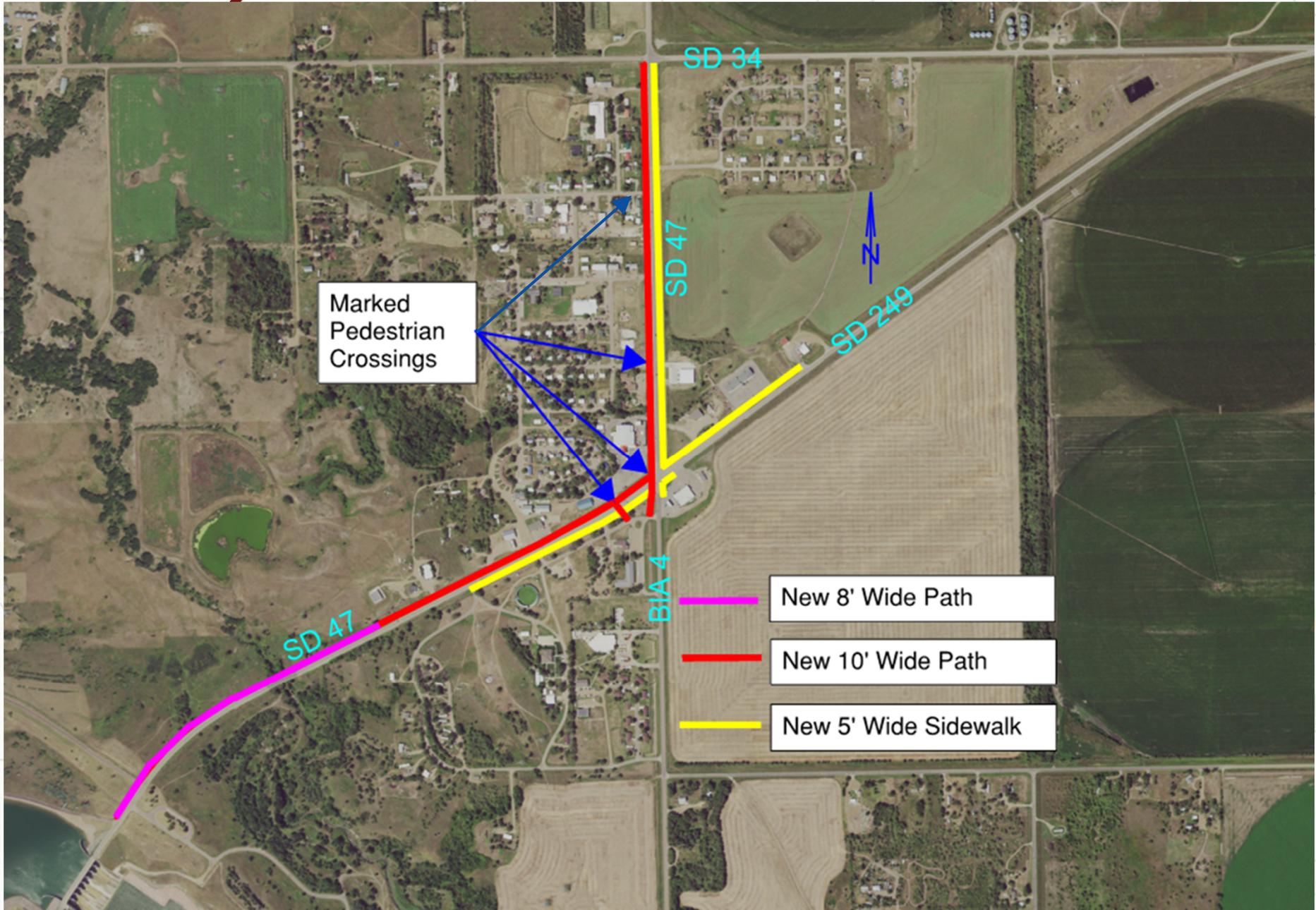
Rural 2 Lane  
SD34 and SD247 Intersection Realignment



Rural 2 Lane with Path  
SD47 East and West of Bridge



# Proposed Pedestrian Facilities



# Roadway Lighting

Replace Existing  
Lighting & Add  
New

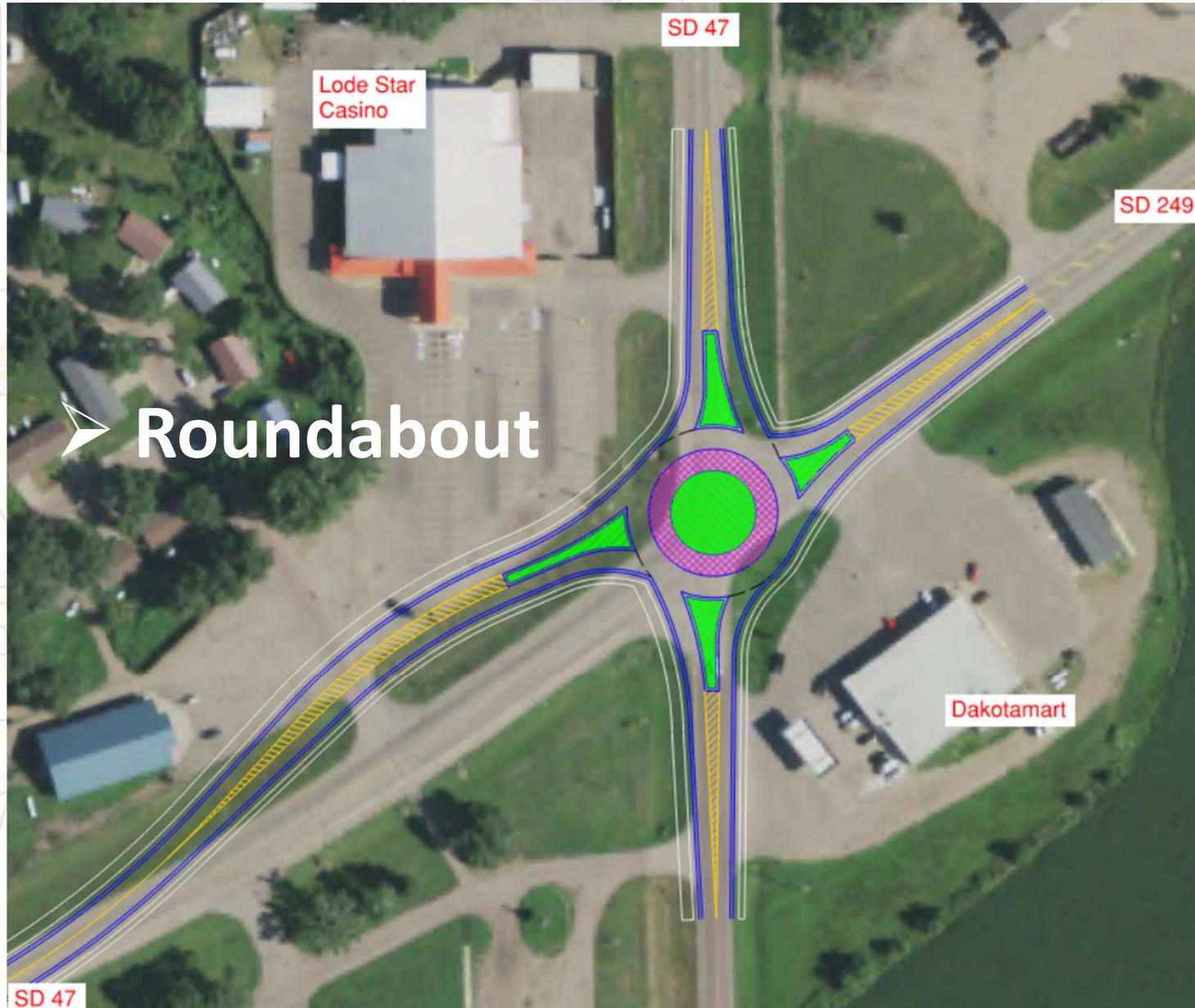


# Current Proposed Highways 47 and 249 Intersection



- Retain 4-Way Stop Signs with Red Flashing Beacon
- Retain Left Turn Lanes (East & West)

# Alternative Requested



# Why Roundabout?

Request from Tribal Council

Formal Resolution

Safety concerns with Stop Signs

# Roundabout Safety

**Slower Traffic = Reduce Crash Severity and Quantity**

**Crash Reductions: Fatal – 90%;  
Injury – 76%; Total – 35%**

**Safer for Peds: 40% less Crashes**

# Access Management

**Manage location and number of access points**

Provide safe,  
efficient access to  
streets and  
highways

Relocating,  
combining and  
eliminating access  
points

**See Handout**

# Right of Way (ROW)

Existing Width varies 120 - 250 feet

Purchase additional ROW as needed

Temporary Easements as needed for construction

**See Handout**

# Encroachments

**Private  
Property in  
Public ROW**

**Federal Highway Regulations for  
Safety**

**Examples**

- Signs
- Private Use (Parking)
- Landscaping Items

**Notification**

**Owners of encroachments will be  
notified by the Huron Area Office**

**See Handout**

# Utility Coordination

Some Utilities  
may need to be  
relocated

Utility Companies  
negotiate  
easements with  
landowners

Crow Creek Water  
Central Electric Coop  
Midstate Communications  
US Army Corps of Engineers

See Handout

# Utility Coordination

**Any Known  
Private Utilities?**

**Contact SDDOT**

**Water Lines**

**Drain Fields**

**Septic Tanks**

**Underground Storage Tanks**

**Underground Power Lines**

**See Handout**

# Environmental, Social and Economic Concerns

**This project is being developed in accordance with applicable State and Federal environmental regulations.**

- **National Environmental Policy Act of 1969 (NEPA), as amended.**
- **Section 106 of the National Historic Preservation Act (No historic or archaeological sites will be impacted by the project)**

**See Handout**

# Environmental, Social and Economic Concerns

- **Section 404 of the Clean Water Act** (No wetlands will be impacted by the project)
- **Section 4(f) of the USDOT Transportation Act of 1966** (Wagner City Park is a Section 4(f) resource. No permanent impact to the Park by the project)

**See Handout**

# Environmental, Social and Economic Concerns

## • Section 7 of the Endangered Species Act

The U.S. Fish and Wildlife Service will review the project to determine if it will impact the following species that are known to occur in Buffalo County:

- Birds: Least Tern, Piping Plover, Red Knot & Whooping Crane
- Mammals: Northern Long-Eared Bat
- Insects: Dakota Skipper, Poweshiek Skipperling

**No impacts are anticipated to these species by the project.**

**See Handout**



# Construction Traffic Control

**1 year  
Partial Detour  
Open to Traffic when  
possible**

**Phased Construction  
Width Restriction  
Slower Traffic – expect  
Delays**

# Landowner Meetings

**Landowners adjacent to the project will be contacted individually by SDDOT to schedule a meeting**

## **Discussion Items:**

- Driveway locations/widths
- Sidewalk and Curb Ramps
- Fences
- Drainage
- Trees
- Temporary Easements or ROW acquisition

**See Handout**

# Tentative Project Schedule

Dependent on Funding and Intersection Option Selected

**Fall 2020**  
Landowner  
Meetings

**Spring 2021**  
Final Design

**2023/24**  
ROW  
Acquisition

**2024/25**  
Construction

**Spring 2024**  
Landowner  
Meetings

**Summer  
2024**  
Final Design

**2025 thru  
2026**  
ROW  
Acquisition

**2027**  
Construction

# Public Input

Submit Questions and/or Comments:

by:

**Thursday,  
June 29, 2023**



to:

Mark Malone  
SDDOT  
700 E Broadway Ave  
Pierre, SD 57501

OR

[Mark.Malone@state.sd.us](mailto:Mark.Malone@state.sd.us)

Public Meeting Information can be found at:

[https://dot.sd.gov/projects-studies/projects/public-meetings#listItemLink\\_1590](https://dot.sd.gov/projects-studies/projects/public-meetings#listItemLink_1590)