

Public Meeting

**U.S. Highway 18
From 1 mile East of SD37 to SD25
Hutchinson County**

**NH-B 0018(230)374
PCN 077G**

**Paul Nikolas
Road Design Engineer**

March 30, 2023



Purpose of the Meeting

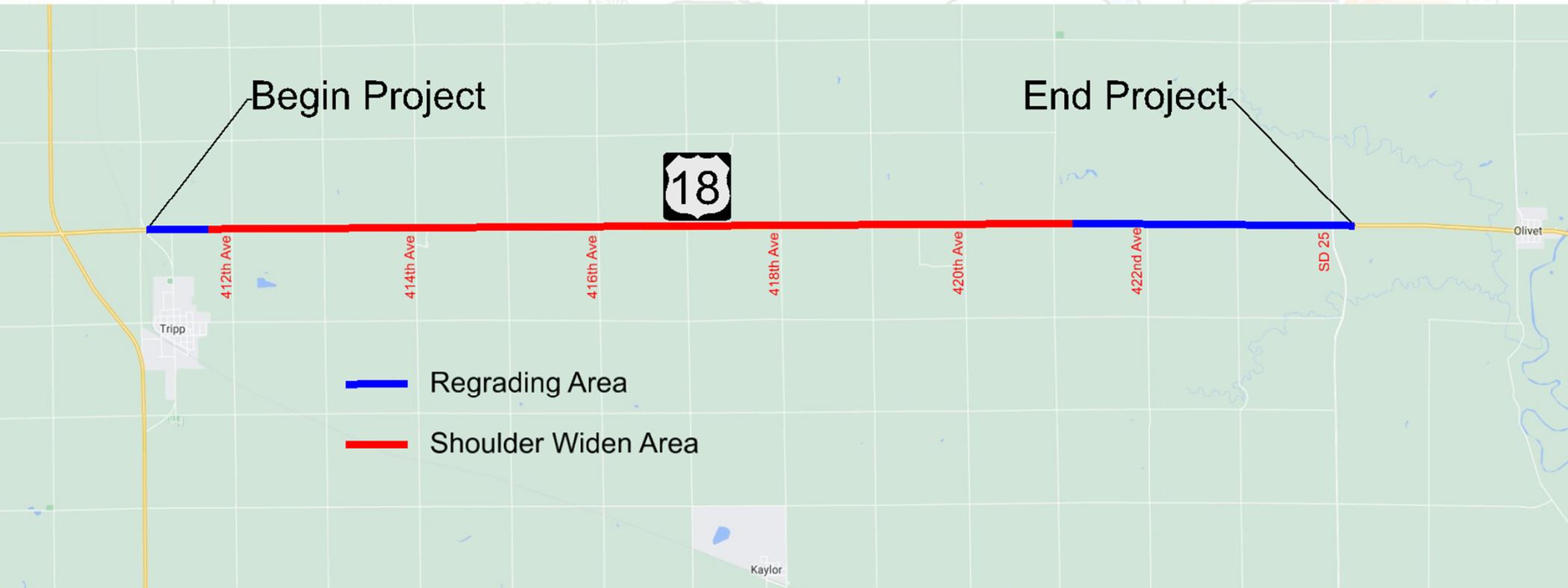
**Involve the public
in the planning
and design process**

**Provide a Project
Overview**

**Gather Input and
Comments**

- **Background Information**
- **Proposed Project**
- **Project Schedule**

Project Limits



Background Information

Originally Graded in 1941

Overlay in 2019

Chip Seal in 2022

Traffic

**2021 Average Daily Traffic (ADT) =
683 vpd**

2046 Projected ADT = 1185 vpd

19% Average Truck Traffic

Crash History

15 Reported Crashes

- 13 Animal Hit
- 1 Angle-Intersection
- 1 Run off Road

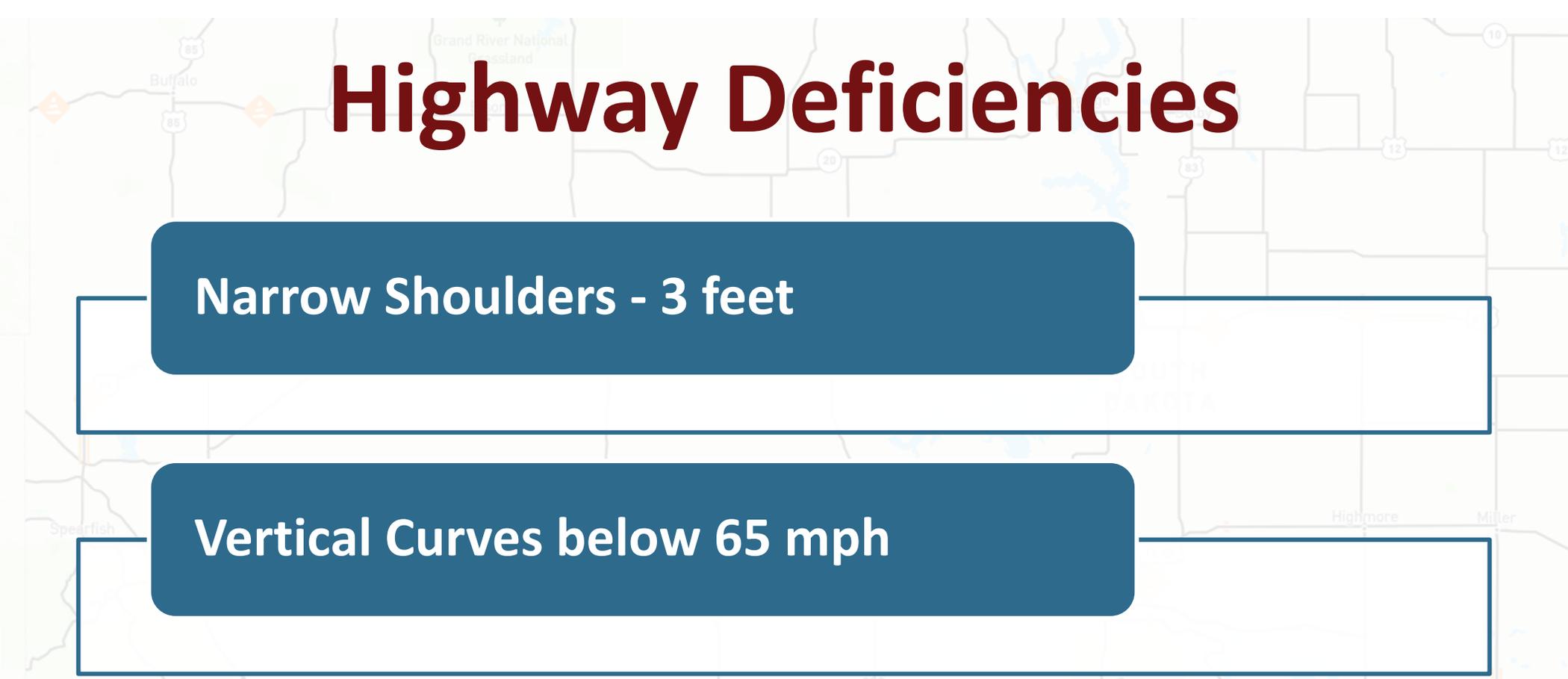
0 Fatalities
2 Injury
13 Property Damage Only

**5 Year Period
from 2017 to
2021**

- Reported Crash Rate = 1.19
- Statewide Weighted Crash Rate = 1.46 (crashes per million vehicle miles of travel)

**Rural Principal
Arterial**

Highway Deficiencies



Narrow Shoulders - 3 feet



Vertical Curves below 65 mph



Replace Box Culverts and Pipe Culverts



Proposed Improvements

Widen Roadway – 12 ft lanes and 6 ft Shoulders

Spot Regrading Vertical Curves

Increase Passing Opportunities

Widen Ditches

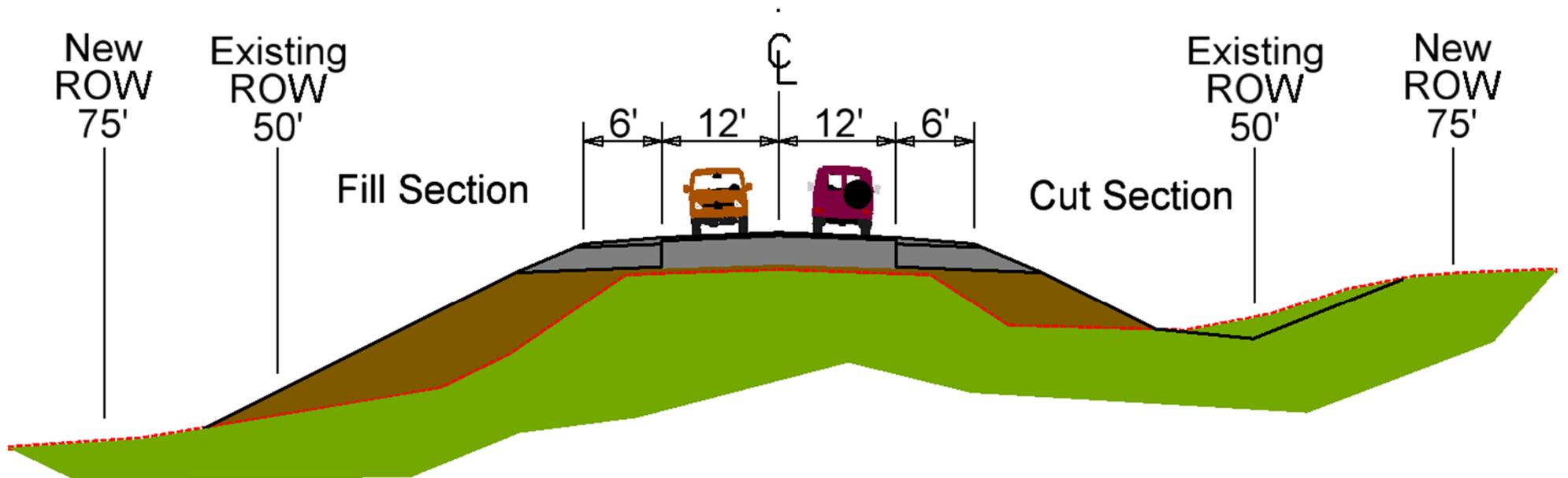
Two Box Culvert Replacements

Replace Fence and Pipe Culverts

Add Left Turn Lane at SD25

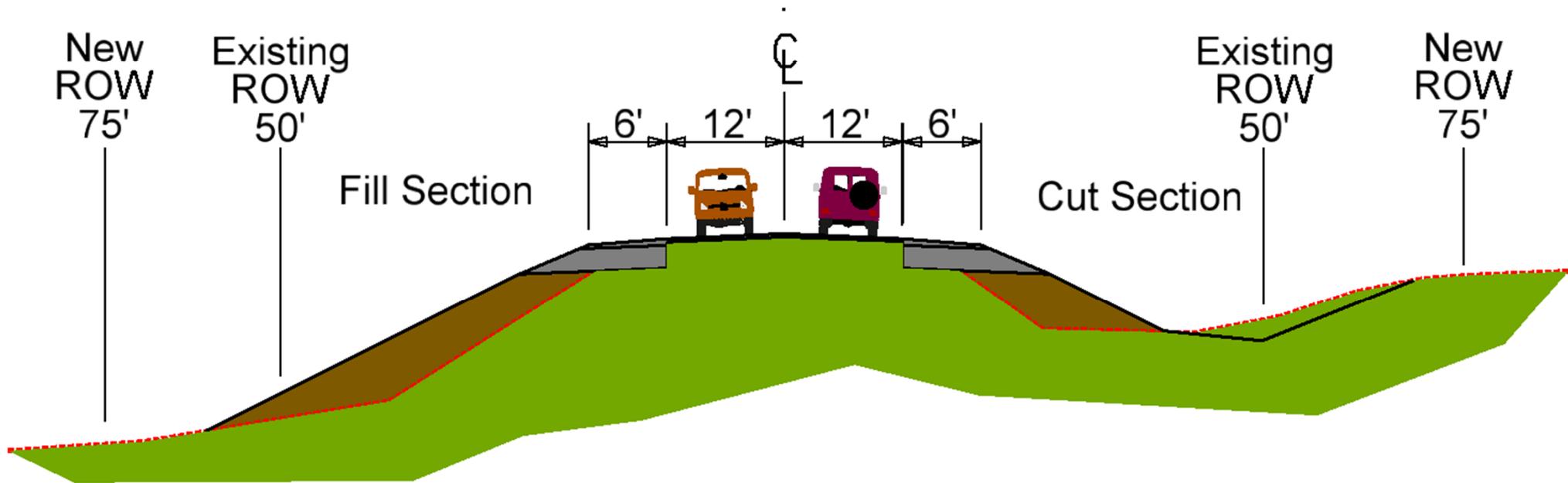
Typical Regrading

US18 REGRADING SECTION



Typical Shoulder Widening Section

US18 SHOULDER WIDENING SECTION



Access Management

Provide safe, efficient access to streets and highways

By limiting the number of and properly locating direct accesses to major roadways

See Handout

Right of Way (ROW)

Existing Width = 100 feet

Purchase additional ROW for 150 feet

Temporary Easements as needed

See Handout

Encroachments

**Private
Property in
Public ROW**

**Federal Highway Regulations for
Safety**

Examples

- **Signs**
- **Private Use (Parking)**
- **Landscaping Items**

Notification

**Landowners with Encroachments
will be notified by the Yankton
Area Office**

See Handout

Utility Coordination

**Some Utilities
may need to be
relocated**

**Utility Companies
negotiate
easements with
landowners**

B-Y Water
Northwestern Energy
Southeastern Electric
Golden West Communications
Fort Randall Telephone
Northern Natural Gas
Santel Communications
City of Tripp
Lumen

See Handout

Utility Coordination

**Any Known
Private Utilities?**

Contact SD DOT

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. Coordination has been initiated with State & Federal resource agencies.

See Handout

Environmental, Social and Economic Concerns

A cultural resources survey will be completed.

The project is being reviewed to determine extent of wetland impacts.

Endangered and Threatened Species:

- Birds: Whooping Crane, Ruffa Red Knot**
- Mammals: Northern Long-Eared Bat**
- Fish: Topeka Shiner**
- Plants: Western Prairie Fringed Orchid**
- Invertebrate: Monarch Butterfly**

See Handout

Construction Traffic Control

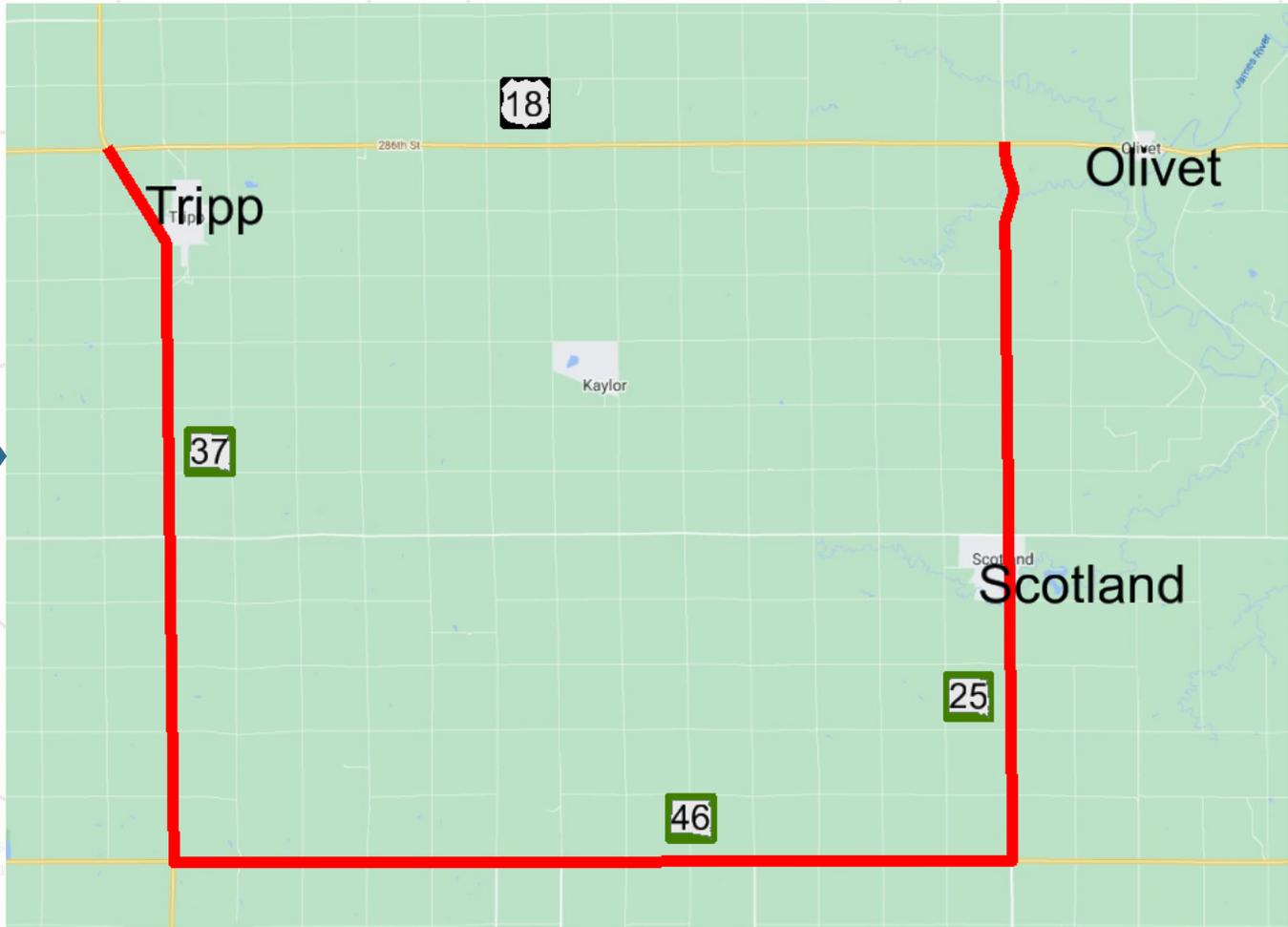
Traffic will be maintained through project as much as possible

Short duration detours will be needed

Local traffic and emergency vehicle access will be maintained at all times

Construction Traffic Control

Possible
Detour route
for
US Hwy 18
traffic during
Grading
Operations



Landowner Meetings

Fall 2023

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

Discussion Items

Driveway locations/widths

Fences

Drainage

Trees

Temporary Easements or ROW acquisition

See Handout

Tentative Project Schedule

Dependent on Federal Funding

Fall 2023

Landowner
Meetings

**Late 2023-
Early 2024**
Final Design

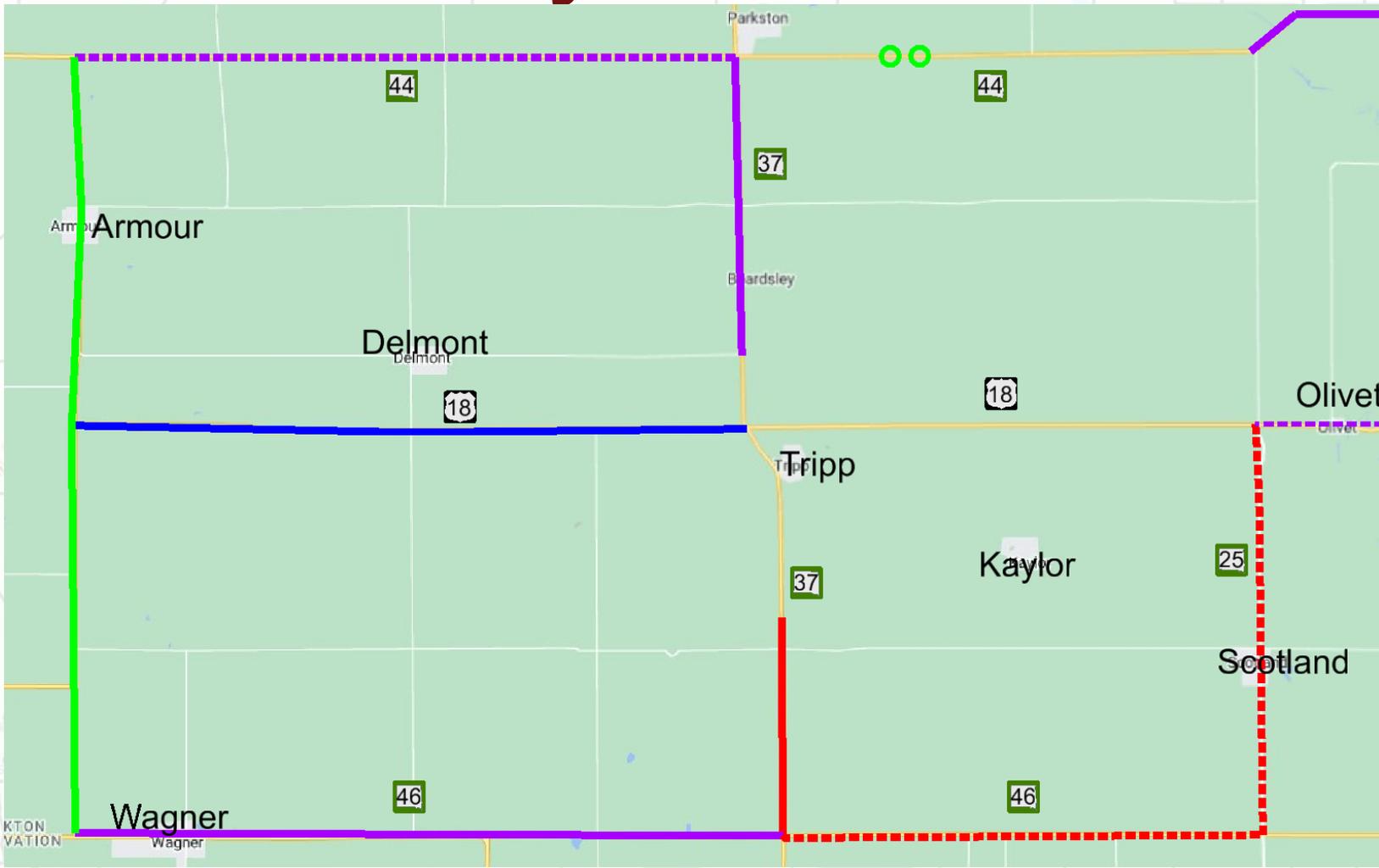
**Late 2024-
Early 2025**
ROW
Acquisition

2026
Construction

Estimated Cost: \$7.8 million

Final Surfacing is planned for 2019

Other Projects in the Area



Purple=2023

Red=2024

Green=2025

Blue=2026



Questions or Comments

by: **April 14, 2023**

submit to:

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website:

https://dot.sd.gov/projects-studies/projects/public-meetings#listItemLink_1887

