



DEPARTMENT OF  
TRANSPORTATION

# PUBLIC MEETING

**Project Location:** S.D. Highway 231 in Rapid City

**Project Number:** P-CR 0231(16)81 PCN 078A

**Date:** Tuesday, Aug. 27, 2024, 5:30 p.m. (MT)

Mike Carlson, PE

Rapid City Area Engineer



## MISSION

To efficiently provide a safe and effective  
public transportation system.  
<https://dot.sd.gov/>



# PURPOSE OF THE MEETING

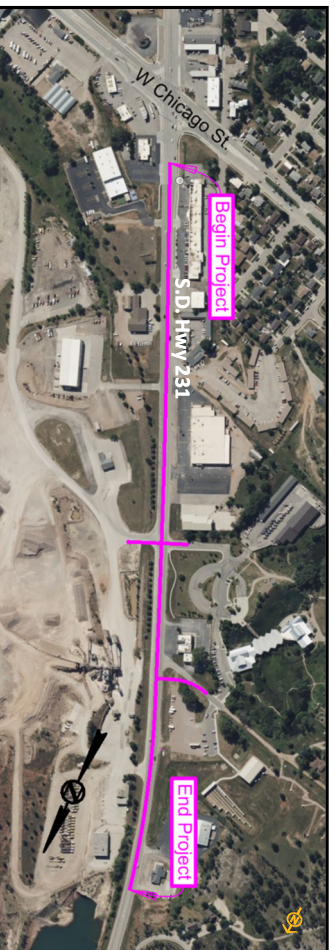
Involve the public in the planning and design process

Provide a project overview

Gather input and comments

- ✓ Background information
- ✓ Proposed project
- ✓ Project schedule

# PROJECT LIMITS



## BACKGROUND INFORMATION

Grading 1946

Last surface improvements in 2013

## TRAFFIC

2022 Average daily traffic (ADT): 9,501

2042 Projected ADT: 13,064

3.0% Average truck traffic

# CRASH HISTORY

## 10 Reported crashes

(Five-year period from 2014-2018)

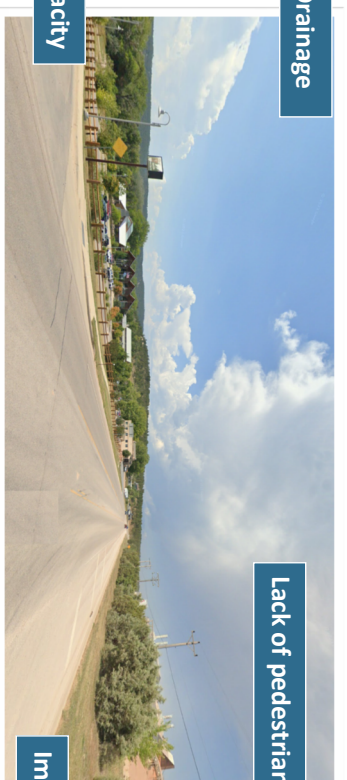
- One (1) head-on crash
- One (1) rear end crash
- Five (5) failure to yield
- Three (3) animal/vehicle crash
- Zero (0) fatalities



## Urban principal arterial

- Reported crash rate = 1.14
- Statewide weighted crash rate = 1.50 (crashes per million vehicle miles of travel)

# WHY WE ARE RECONSTRUCTING



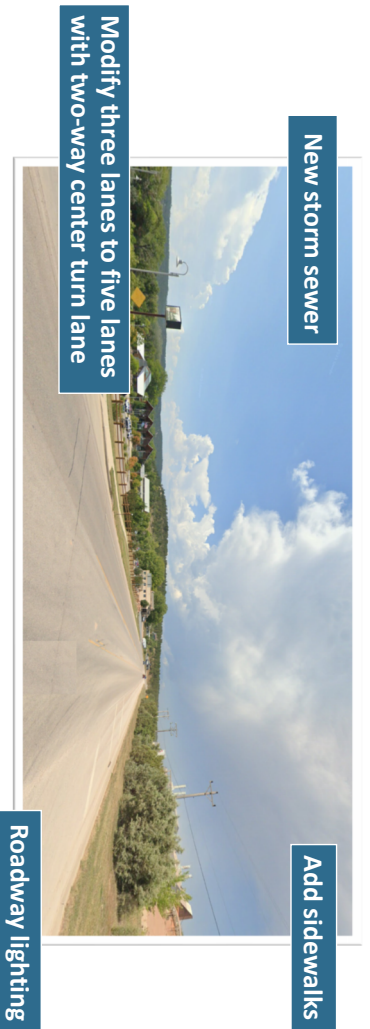
Drainage

Lack of pedestrian facilities

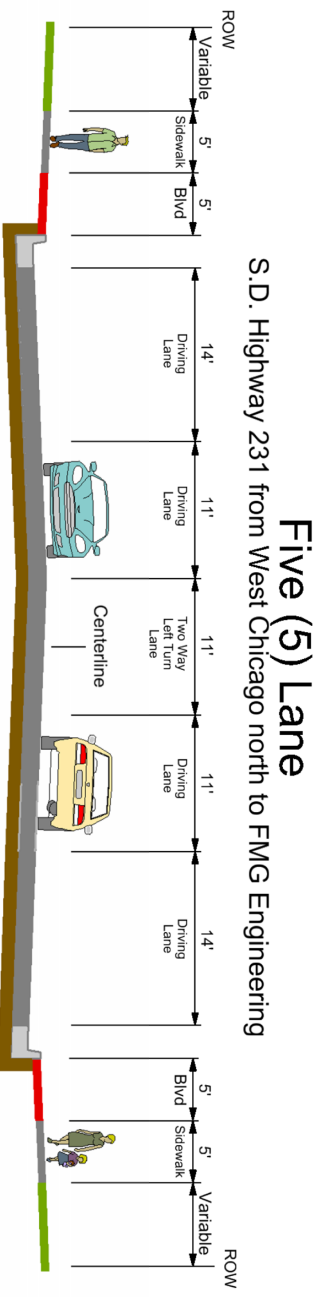
Capacity

Improved safety

# PROPOSED IMPROVEMENTS



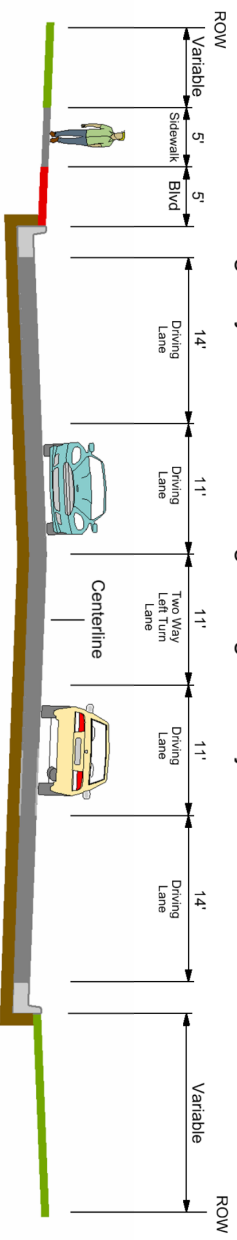
# PROPOSED TYPICAL SECTION



# PROPOSED TYPICAL SECTION

## Five (5) Lane

S.D. Highway 231 from FMG Engineering north to just north of Knutson Lane



## FIVE-LANE ROADWAY ADVANTAGES

- Increases traffic capacity of highway
- Provides safe storage for left turning vehicles
- Reduces the congestion at Sturgis Road and the West Chicago Street Intersection
- Boulevard provides snow storage

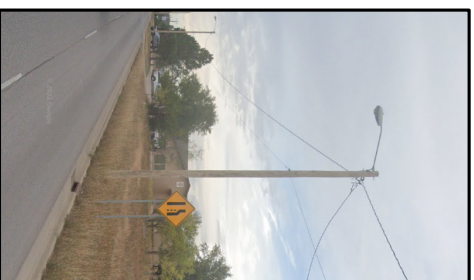


# PROPOSED PEDESTRIAN FACILITIES



# ROADWAY LIGHTING

Replace existing lighting:  
• LED



# ACCESS MANAGEMENT

**Manage location and number of access points.**  
Provide safe, efficient access to streets and highways by relocating, combining, and eliminating access points.

✓ See handout

## RIGHT OF WAY (ROW)

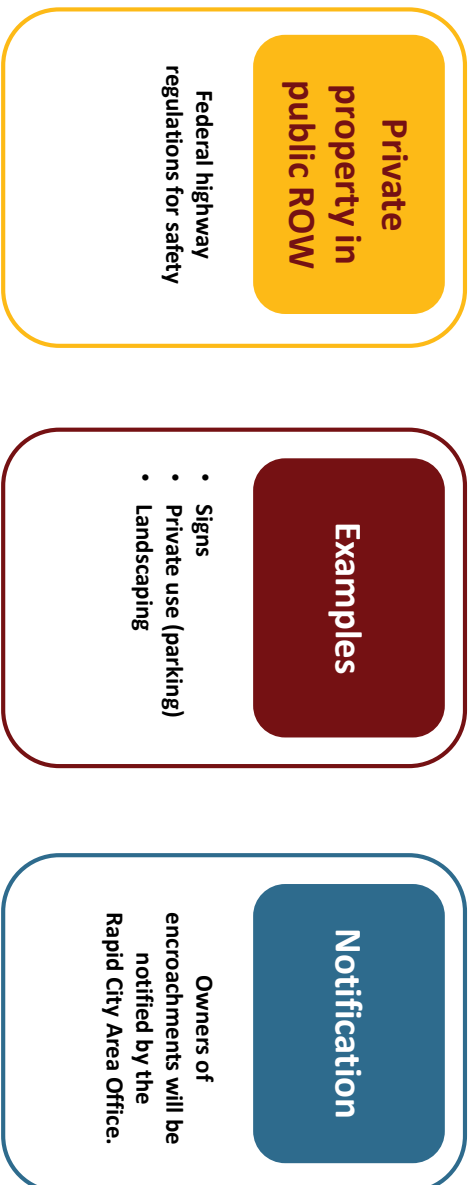
Existing width 132 feet

Purchase additional ROW as needed

Temporary easements as needed



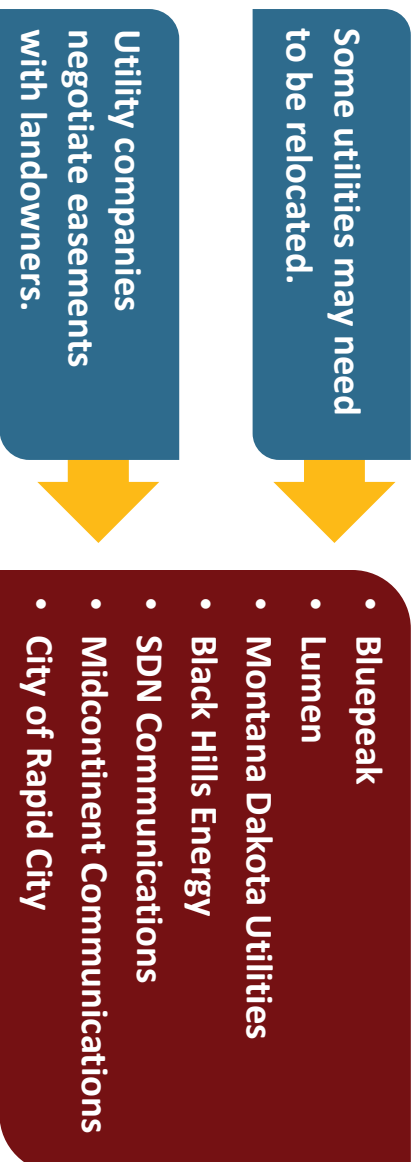
# ENCROACHMENTS



See handout



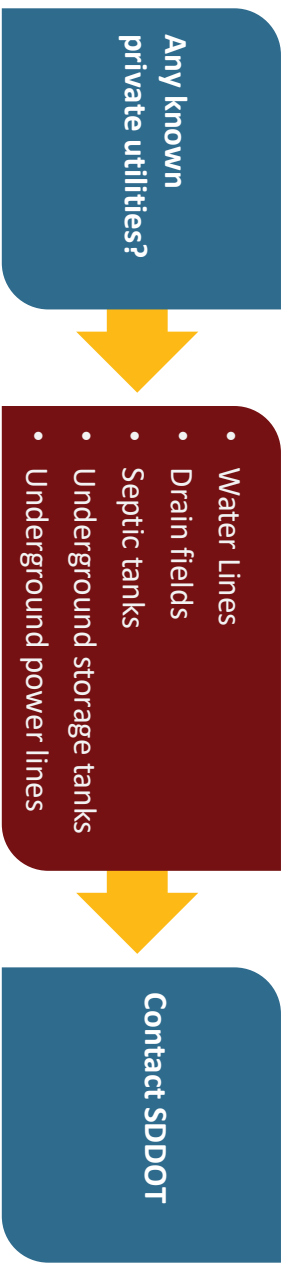
# UTILITY COORDINATION



See handout



# UTILITY COORDINATION



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

See handout



# ENVIRONMENTAL, SOCIAL, AND ECONOMIC CONCERNS

- **Section 404 of the Clean Water Act**
- **Section 4(f) of the USDOT Transportation Act of 1966**  
(The Project action will include all possible planning to avoid and minimize harm to publicly owned parks, recreational areas, wildlife & waterfowl refuges, or public & private historical sites. An evaluation of possible project effects on the Outdoor Campus-West is being done with project)

See [handout](#)



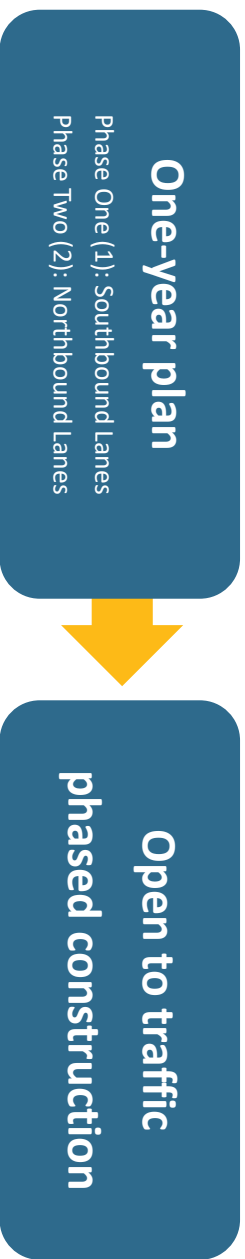
# ENVIRONMENTAL, SOCIAL, AND ECONOMIC CONCERNS

- **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 Pennington County:
  - Birds: Red Knot & Whooping Crane
  - Mammals: Northern Long-Eared Bat
  - Insects: Monarch Butterfly & Western Regal Fritillary**No impacts are anticipated to these species by the project.**

See [handout](#)



# CONSTRUCTION TRAFFIC CONTROL



## LANDOWNER MEETINGS

### Fall 2024

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

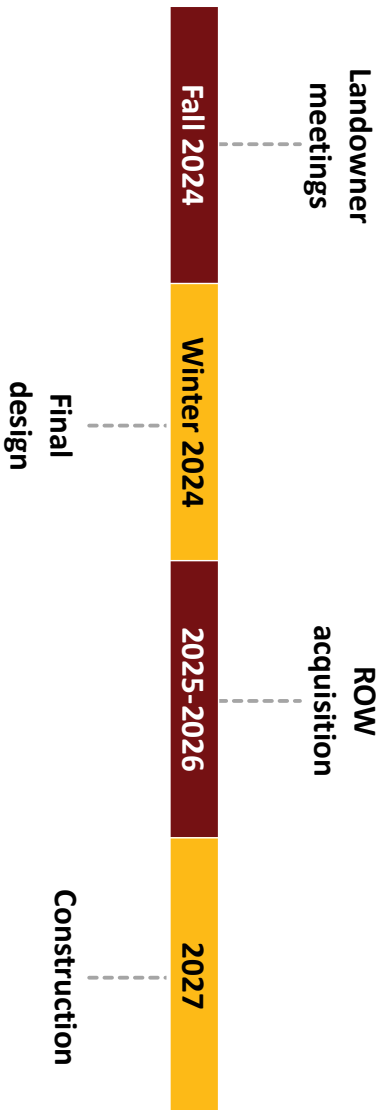
**See [handout](#)**



# TENTATIVE PROJECT SCHEDULE

Dependent on federal funding

Estimated cost: \$7.2 million



## QUESTIONS OR COMMENTS

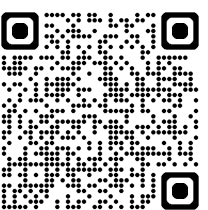
**DEADLINE:**

Friday, Sept. 13, 2024

**SUBMIT TO:**

Mark Malone  
South Dakota Department of Transportation  
700 E. Broadway Ave.  
Pierre, South Dakota 57501  
[Mark.Malone@state.sd.us](mailto:Mark.Malone@state.sd.us)

**THANK YOU**



SCAN ME

**WEBSITE:**

[https://dot.sd.gov/projects-studies/projects/public-meetings#listitemlink\\_2014](https://dot.sd.gov/projects-studies/projects/public-meetings#listitemlink_2014)

