

Public Meeting

Junction SD Highways 46 & 11
Intersection Improvements
Lincoln & Union County

PH 0046(65)373 PCN 04HF

Karen Olson, PE
Road Design Engineering Supervisor

June 9, 2015



Purpose of the Meeting

- **Involve the public in the planning and design process**
- **Provide a Project Overview**
 - Background Information
 - Proposed Project
 - Project Schedule
- **Gather Input and Comments**



Background Information

➤ **SD46**

- Originally Constructed in 1955
- Resurfaced in 2008

➤ **SD11 South**

- Originally Constructed in 1966
- Resurfaced in 2010

➤ **SD11 North**

- Originally Constructed in 2005



Traffic

➤ SD46

- 2014 Average Daily Traffic (ADT) = 1893
- 2039 Projected ADT = 2698
- 22.4% Average Truck Traffic

➤ SD11

- 2014 Average Daily Traffic (ADT) = 1057
- 2039 Projected ADT = 1703
- 9.8% Average Truck Traffic

Crash History

➤ **SD46: 3 Year Period from 2012 to 2014**

- 2 Reported Crashes
 - Both had a Fatality
 - Both were Angle-Intersection Crashes
- Weighted Crash Rate = 6.85

➤ **Rural Minor Arterial**

- Statewide Weighted Crash Rate = 1.88
crashes per million vehicle miles of travel

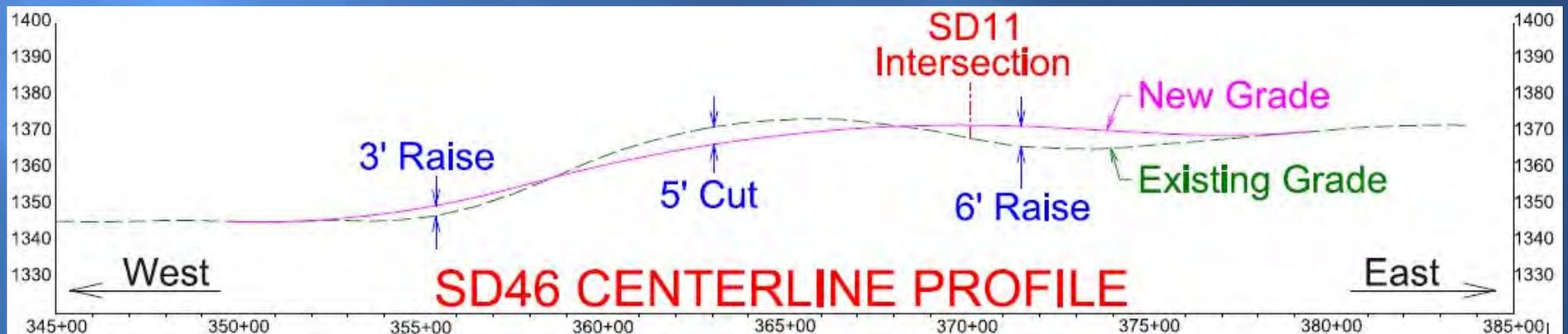
Highway Deficiencies

- Intersection Sight Distance
- Vertical Curves
- Lane Configuration
- Small Ditch with Steep Backslope



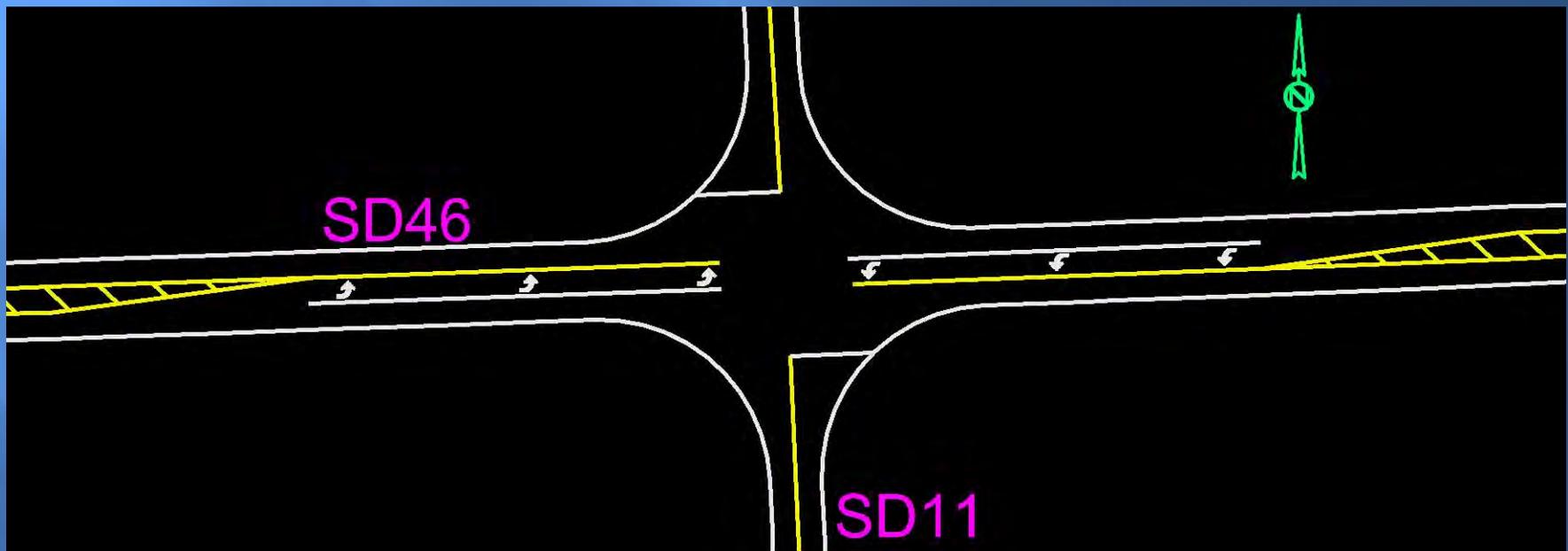
Proposed Improvements

- Left Turn Lane on SD46
- Standard Ditch and Backslope
- Reconstruct SD46 Profile
 - Raise Intersection and Lower West Hill to Improve Sight Distance



Proposed Intersection

- SD46: 2 – 12' Driving Lanes and Center Turn Lane
- SD11: 2 – 12' Driving Lanes
- 8' Shoulders
- Asphalt Concrete Pavement



Right of Way (ROW)

- **Existing ROW Width**
 - SD46 = 150 feet
 - SD11 South = 190 feet
 - SD11 North = 200 feet
- **Property NW of Intersection will be acquired**
- **Temporary Easements as needed for construction**

See Handout

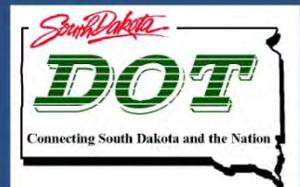


Utility Coordination

- **Some Utilities may need to be relocated**
- **Utility Companies may negotiate easements with landowners as needed**

Southeastern Electric
East River Electric
South Lincoln Rural Water
Alliance Communications
Vast Broadband

See Handout



Utility Coordination

➤ Any Known Private Utilities?

- Waterlines
- Drainfields
- Septic Tanks
- Underground Storage Tanks
- Underground Power Lines

➤ Contact SDDOT

See Handout



Environmental, Social & Economic Concerns

The National Environmental Policy Act of 1969 (NEPA) requires that federally funded projects be reviewed to determine the social, economic, and environmental consequences of the action. Public involvement is beneficial to the implementation of a project's NEPA process. This project is being developed in accordance with applicable State & Federal environmental regulations. **Your input** on the following will aid in the project's development and NEPA review.

Section 4(f) Property

Project action will include all possible planning to avoid and minimize harm to Section 4(f) properties, i.e. publicly owned parks, recreational areas, wildlife & waterfowl refuges, or public & private historical sites. An evaluation of possible project effects is being done with the project.

See Handout



Environmental, Social & Economic Concerns

Section 106

Section 106 of the National Historic Preservation Act requires Federal actions to take into account the effects of project undertakings on historic properties and objects of archaeological and Tribal significance.

Contaminated Materials

Project undertaking will take into account contaminated soils with relation to existing above ground and underground storage tanks within or adjacent to project's area of potential effect.

See Handout



Environmental, Social & Economic Concerns

Threatened & Endangered Species

The U.S. Fish & Wildlife Service will review the project to determine if it will impact species that are known to occur in the area.

Wetlands

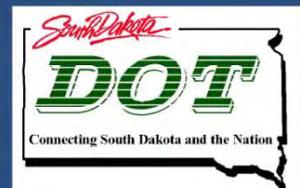
Federal regulations require that unavoidable wetland impacts caused by highway construction be mitigated. If you are interested in creating or restoring wetlands on your property, please complete the Wetland Mitigation Registry Form in the handout.

See Handout



Construction Traffic Control

- **SD46 will be closed to through traffic during construction with a detour route provided.**
- **SD11 traffic will be maintained through the project with flaggers.**
- **Local traffic and emergency vehicle access will be maintained at all times**



Landowner Meetings

➤ Summer 2015

- Landowners will be contacted by SDDOT to schedule appointment

➤ Held with individual landowners adjacent to the project

- Driveway location / widths
- Fence
- Drainage
- Trees
- Temporary Easements and/or ROW acquisition

See Handout



Tentative Project Schedule

Dependent on Federal Funding

Landowner Meetings	Summer 2015
--------------------	-------------

Final Design	Fall 2015
--------------	-----------

ROW Acquisition Process	2016
-------------------------	------

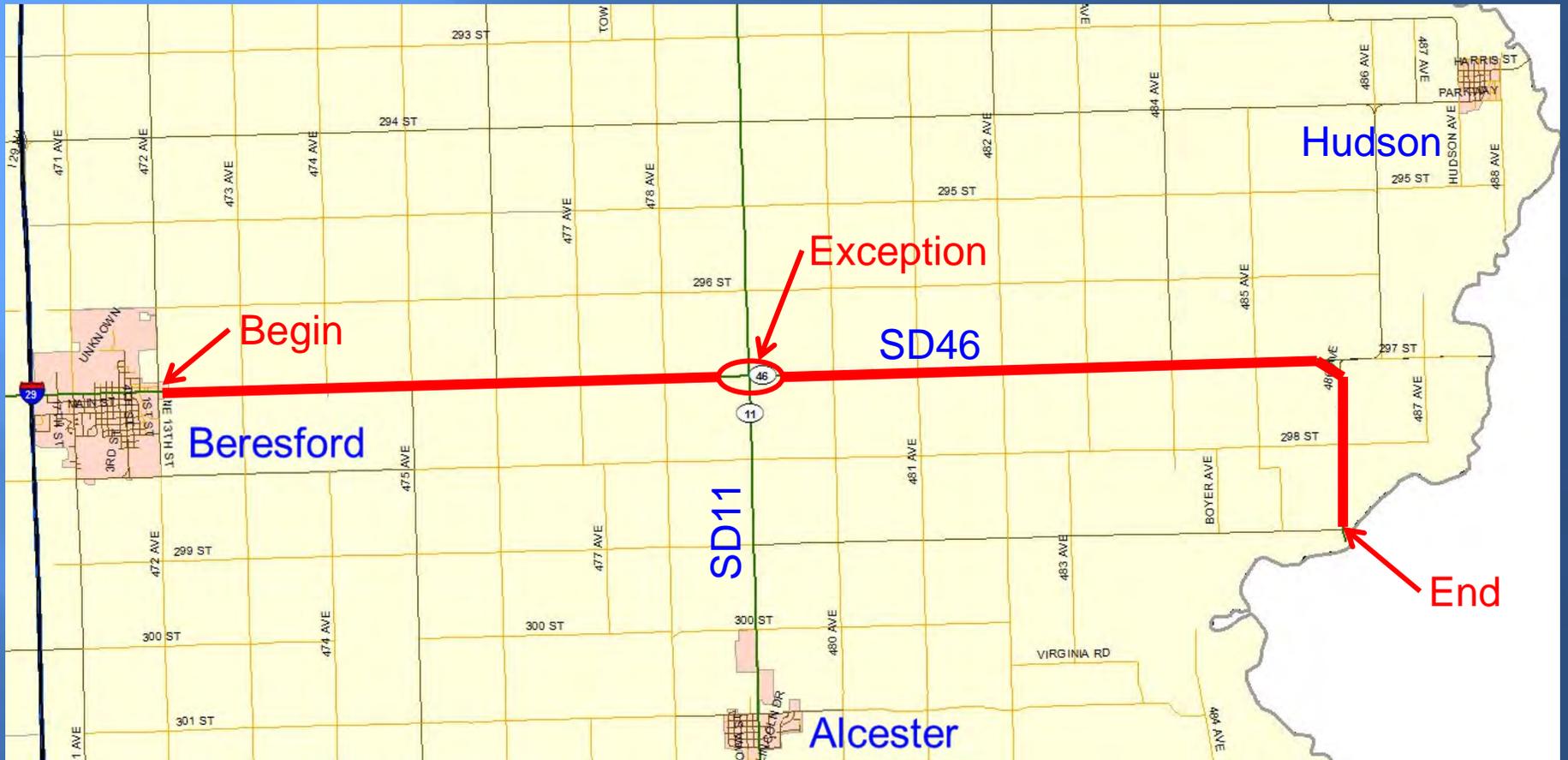
Construction	2017
--------------	------

Estimated Construction Cost:	\$1.5 million
---------------------------------	---------------



Future Project in the Area

- Future Grading and Asphalt Surfacing in Developmental STIP



Questions or Comments

Please Submit Questions or Comments by
June 23, 2015 to:

Karen Olson

South Dakota Department of Transportation
700 East Broadway Avenue
Pierre, SD 57501

Karen.Olson@state.sd.us

Public Meeting Information

<http://sddot.com/dot/publicmeetings/default.aspx>

