US Highway 18
From I-29 to Canton

P 0018(157)438 PCN 6923
Public Meeting – March 3, 2020
Meeting Agenda

- Project Overview
  - Background Information
- Project Design
  - Project Elements
  - Access
  - Alignments
- Schedule
- Table Discussions
Project Overview

- Crash Data
  - Weighted Crash Rate – 1.53
  - State Average – 1.48

- Traffic Data
  - 2018 – 4,578 vpd (13.5% Trucks)
  - 25-Years – 9,956 vpd
  - 35-Years – 12,108 vpd

- Existing Pavement Life
  - Reconstruct
  - Meet current design standards
  - Build for future needs
Project Overview

- Past Public Meeting held on February 8th, 2018
  - Impacts to Residential Properties
  - Median/Access

- Infrastructure Design Group, Inc.
  - Evaluated Alignments
  - Met with Residential Properties
  - Refined Alignments
Project Elements

- 4-Lanes (2 through lanes in each direction)
- 8’ paved shoulder
  - Safe space for School, Postal Routes, Agricultural Equipment
- Median Section
  - Wider gutter section on the median curb and gutter - 4.67’ vs 2.67’
    (standard curb and gutter width)
  - Assist with Snow Drifting
- Posted Speed is 65 mph, Design Speed of 70 mph
- Minimize ROW and Property Impacts
Project Elements – Existing Section
SD DOT Typical 4-Lane Divided Rural Section
Project Elements – Full Access

- Limit Left Turn Movements
- Safety
- Access at approximately middle of sections for cars and trucks
- Access at section lines for cars
Project Elements – Full Access
Project Elements – Full Access
Project Elements – Access
Project Elements – Access

- U-Turns for cars on section lines
Project Elements – Access

- U-Turns for cars/trucks midway between section lines
Project Elements – Access

P.R.O.W.

WB 67 - Semi and Trailer (DOT Design Vehicle)

4.0' Positive Offset (Sight Distance)
Project Elements – Alignments

ALTERNATIVE 1 - 200' P.R.O.W. ON SECTION LINE

ALTERNATIVE 2 - 200' P.R.O.W. WITH SDDOT ORIGINAL DESIGN

ALTERNATIVE 3 - 200' & 150' P.R.O.W. WITH MINIMAL HORIZONTAL CURVATURES

ALTERNATIVE 4 - 200' & 150' P.R.O.W. WITH HORIZONTAL CURVATURES TO MINIMIZE RESIDENTIAL IMPACT
Project Elements – Alignments

- Preferred Alignment
  - Based on meetings and best fit
  - Hybrid of all the alternatives
  - Continue to make adjustments through final design
# Tentative Project Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Timeline</th>
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<tbody>
<tr>
<td>Landowner Meetings (All)</td>
<td>August 2020</td>
</tr>
<tr>
<td>Final Design</td>
<td>December 2020</td>
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<tr>
<td>ROW Acquisition / Relocation Process</td>
<td>2021-2022</td>
</tr>
<tr>
<td>Bid Project</td>
<td>Late 2022-Early 2023</td>
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<tr>
<td>Construction</td>
<td>2023-2024</td>
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Future Landowner Meetings

- Held with individual landowners adjacent to the project
  - Driveway location / widths
  - Fence
  - Drainage
  - Trees
  - Discussion on Temporary Easements, Relocation or ROW acquisition (No Paperwork)
Impacted Properties

- There are impacts with this project
- Appraisal: 6 - 9 months
- Based on fair market value of local area
- Relocation
  - Residential, business, commercial
    - Relocation Assistance Brochure (brown)
- Acquisitions: 6 - 12 months
Project Construction

- Construction currently scheduled for 2023 and 2024
- Sequencing dependent on alignment
- Detours are likely
- Access to properties will be maintained
Environmental Social & Economic Concerns

- **Section 4(f) Property**
  - 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.

- **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.

- **Contaminated Materials**
  - Project undertaking will take into account contaminated soils with relation to existing aboveground and underground storage tanks within or adjacent to project’s area of potential effect.
Environmental Social & Economic Concerns

- 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 handouts.

- Noise Study
  - A noise study will be completed when preliminary plans become available.

- Threatened and Endangered Species
  - The project will be reviewed to determine potential impacts to the following species:
    - Mammals – Northern Lon-Eared Bat
    - Bird – Red Knot
    - Fishes – Topeka Shiner
    - Flowering Plants – Western Prairie Fringed Orchid
Utility Coordination

- Some utilities may need to be relocated
- Utility companies may require easements with landowners as needed
- Notify SDDOT of private utilities

<table>
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<th>Waterlines</th>
<th>Drainfields</th>
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<tr>
<td>Septic Tanks</td>
<td>Underground Storage Tanks</td>
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<tr>
<td>Underground Gas</td>
<td>Underground Power</td>
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Written Comments Due Tuesday, March 17th
- Mail – 3241 E. Bison Trail, Sioux Falls, SD 57108
- Email – ChadH@InfrastructureDG.com
- Here – now

Website (project information)
- http://sddot.com/dot/publicmeetings

Comments encouraged!