WHITNEY ROAD 10% CORRIDOR PLAN

Open House Meeting #1
November 8, 2017
AGENDA

- Introductions
- Project Overview
  - Limits
  - Purpose and Goals
- Overall Study Process
- What to expect (i.e. Schedule)?
- Identifying the Issues
- Possible Concept Ideas?
- Adjourn to Workshop Area
PROJECT OVERVIEW

- History
  - Study not Construction

- Limits
  - Northern Limit – Storey Blvd./ Beckle Road
  - Southern Limit – U.S. 30

- Objective
  - Create a comprehensive plan which strives to optimize safety, growth, and fiscal responsibility

- Goals
  - Understand the community and neighborhood vision for the roadway
  - Improve roadway and intersection safety and function
  - Address drainage and snow drifting
OVERALL STUDY PROCESS

• Existing Conditions  
  • Topography  
  • Utilities  
  • Drainage  
  • Environmental  
  • Historical

• Accurate Traffic Data Collection

• Accurate Traffic Projections

• Regulatory Design Policies  
  • UDC  
  • Laramie County Land Use Regulations

Planning/ Data Collection

Public Involvement

• Steering Committee
• Jurisdictional Meetings
• MPO Committees
• Public Open House(s)
• Social Media  
  • Blog  
  • Facebook, Twitter, Email Notifications

Design

• Alternative Development
• Alternative Analysis

“3C” Planning Process

Continuous

Cooperative

Comprehensive
### WHAT TO EXPECT?

<table>
<thead>
<tr>
<th>PROJECT MILESTONES</th>
<th>MILESTONE DATES</th>
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<tbody>
<tr>
<td>Notice to Proceed</td>
<td>March 1, 2017</td>
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<tr>
<td>Initial Kickoff Meeting MPO</td>
<td>March 22, 2017</td>
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<tr>
<td>Traffic Counts</td>
<td>April 4, 2017</td>
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<tr>
<td>Steering Committee Meetings</td>
<td>May 9, 2017; December, 2017</td>
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<tr>
<td><strong>Open House/ Public Meeting #1</strong></td>
<td><strong>November 8, 2017</strong></td>
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<tr>
<td>Draft Plan</td>
<td>November – December, 2017</td>
</tr>
<tr>
<td>Neighborhood Meeting #2</td>
<td>January, 2018</td>
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<tr>
<td>Submit DRAFT Plan to MPO</td>
<td>January, 2018</td>
</tr>
<tr>
<td>Presentation to the Governing Body</td>
<td>March, 2018</td>
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</table>
IDENTIFYING THE ISSUES?

- Utilities
  - Blackhills Energy
  - High West Energy
  - Suncor Energy
  - Plains All American Pipeline System, LLC
  - Qwest/ Century
  - BOPU Water
IDENTIFYING THE ISSUES?

- Blackhills Energy
  - Underground natural gas feeding rural subdivisions

- High West Energy
  - Overhead Electric
IDENTIFYING THE ISSUES?

❖ BOPU
  + Underground water and sewer mains
  + Fire Hydrant

❖ Century Link
  + Underground communication lines
IDENTIFYING THE ISSUES?

- Petroleum Pipelines
  - Suncor Energy
    - 12.75” Steel Crude Line
    - 2’ to 5’ deep (East Side)
  - Plains All American Pipeline System, LLC
    - 16” Steel Crude
    - 4’-3” to 14’-5” (West Side)
IDENTIFYING THE ISSUES?

- Pavement Condition
- Narrow width
- Visibility of Approach to main roadway
IDENTIFYING THE ISSUES?

- Drainage
IDENTIFYING THE ISSUES?

× Steep Grades

Beckle Drive
Buttercup Drive
Chickadee Drive
Foxglove Drive
Dell Range Blvd.
U.S. Highway 30

Existing Ground

Existing Ground

5% ADA Profile 26’ Cut
CONSTRAINTS AND OPPORTUNITIES

- Blowing and Drifting Snow
  + Snow removal costs
  + Accidents
  + Property damage
  + Pavement maintenance
IDENTIFYING THE ISSUES?

- Proximity of residential driveways to intersection
- Future development access control
- Whitney Road
- 90’ Right-of-way (i.e. 40’ N & 50’ S)
- 100’ Right-of-way (i.e. 60’ N & 40’ S)
- 80’ Right-of-way
IDENTIFYING THE ISSUES?

- Proximity of commercial and mobile home access driveways to intersection
- 10’ Road Reservation
- Jolly Roger RV and Mobile Home Park Access Proximity
- 80’ Right-of-way
- Proximity and Angle U.S. 30 Service Road
- Intersection Angle of U.S. 30 Intersection at Whitney Road
- Future Commercial Access Proximity to Intersection
- 300’ Right-of-way
- 90’ Right-of-way (i.e. 40’ W & 50’ E)
IDENTIFYING THE ISSUES?

- Intersection Crash Data (January, 2014 to September, 2017)

### Whitney Road / US 30
<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
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<tbody>
<tr>
<td>Angle</td>
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<td>Rear End</td>
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<tr>
<td>Fixed Object</td>
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<td><strong>Total</strong></td>
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<tr>
<td><strong>Rate</strong></td>
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### Whitney Road / Dell Range Boulevard
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Crash rates are expressed in crashes per million entering vehicles.

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<td>Injury</td>
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### Cause
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<td>Failure to Yield ROW</td>
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<tr>
<td>Following too Closely</td>
<td>2</td>
</tr>
<tr>
<td>Speeding</td>
<td>1</td>
</tr>
<tr>
<td>Drove too Fast for Conditions</td>
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POSSIBLE CONCEPT IDEAS

- Rural Typical Section 2 - Lane
POSSIBLE CONCEPT IDEAS

- Rural Typical Section 3 - Lane

Diagram showing the layout with labels:
- 5.00' SIDEWALK
- 12.00' LANDSCAPE BUFFER
- 6.00' BIKE LANE/SHOULDER
- 11.00' TRAVEL LANE
- 12.00' TURN LANE
- 11.00' TRAVEL LANE
- 6.00' BIKE LANE/SHOULDER
- 12.00' LANDSCAPE BUFFER
- 5.00' SIDEWALK

Elements:
- CL
- ASPHALT PAVING (TYP)
- CRUSHED BASE (TYP)
POSSIBLE CONCEPT IDEAS

- Urban Typical Section 3 - Lane

```
| 6.00' SIDEWALK | 8.00' PEDESTRIAN BUFFER | 7.00' BIKE LANE/SHOULDER |
| 11.00' TRAVEL LANE | 12.00' TURN LANE | 11.00' TRAVEL LANE |
| 7.00' BIKE LANE/SHOULDER | 8.00' PEDESTRIAN BUFFER | 6.00' SIDEWALK |
```

- 80.00' ROW
- 49.00' ROADWAY

CL

- ASPHALT PAVING (TYP)
- CRUSHED BASE (TYP)
POSSIBLE CONCEPTS

- Standard 4 leg Intersection
  + Plain
    - Marked w/ Right-turn Lanes
    - Marked w/ Left-turn Lanes
    - Channelized Islands

- Roundabouts
  + 1 Lane
  + 2 Lane
**WORK SHOP STATION AREAS**

- Two (2) identical Work Station Tables
  - Overall corridor aerial layout
  - Existing and conceptual street sections
  - Existing Traffic Conditions layout

- Comment card area

- Refreshment area
ADJOURN TO THE WORKSHOP AREAS

Table 1
(Dell Range to Beckle Road/Storey)

Table 2
(Dell Range to U.S. 30)

Project Study Area

Beckle Road

Dell Range Blvd.

U.S. 30