ND Department of Transportation 2014 Construction Conference

Automated Permit & Routing System, CARS & Oversize Load Movements

Presented by
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Kevin Gorder, ND Dept of Transportation
19′-H  12′-W  198′-L
Automated Permit/Routing System

- June 2013
  - NDHP
  - NDDOT

- Route vehicle/loads up to:
  - 250,000 lbs GVW
  - 18 feet wide
  - 17 feet high
  - 200 feet long
Routing System

I-29; MB; Emerson to US-85, 0.4mi SW of Bowman
Trip Distance: 519.6  Trip Time: 07:40  Save this trip...

Drag Map  Get Restriction Information For Road  Drag Route
CARS - Travel Information Map

• **Width, Height Restrictions**
  - Road construction or maintenance
  - Bridge repair or maintenance

• **Interface with the Automated Routing System**
  - Oversize load/vehicle load movements

• Find alternative route of travel
(1 of 5)

Width/Height Restrictions

Highway: US 291 N (MP 129.132 to MP 129.504)
Location: NEW ROCKFORD NORTH TO N JCT ND 15
Description: STRUCTURE REPLACEMENT
Delays: Expect Delays
Travel Speeds: Less than 35
Surface Type: Pavement
Restrictions:
Width - 12 ft.

Comment: Starting Wednesday, January 15th there will be one lane across the James River Bridge. Traffic will be controlled by stop lights. Use caution while crossing the bridge. A width restriction of 12 ft will be in effect. The contractor will control traffic with flaggers when needed.

Expected Start: 1/13/2014
Expected End: 10/3/2014

Zoom to
2013 Road Construction
Routing System

LOAD WIDTH – 14 FT
LOAD WIDTH – 12 FT 1 IN
Permitting and CARS

Kevin Gorder
Fargo District
District Perspective

- Fargo District Goal
  - Keep oversize loads on Interstate System
  - State System not built to carry multiple overloads

- Need to ensure accurate width and height restrictions are entered into CARS

- CARS information automatically ties to NDHP Permitting System and automatically reroutes oversize loads based on Project Engineer entries
### Work Zone Maintenance «

#### PCN 20044 Construction Information

<table>
<thead>
<tr>
<th>District</th>
<th>Highway</th>
<th>Suffix</th>
<th>Direction</th>
<th>Route ID</th>
<th>Begin Ref Point</th>
<th>End Ref Point</th>
<th>Divided Roadway</th>
<th>Project Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>29</td>
<td>N</td>
<td>13</td>
<td>22.5806</td>
<td>23.1515</td>
<td>Yes</td>
<td>ND 13/ MOORETON INTERCHANGE - WB</td>
<td></td>
</tr>
</tbody>
</table>

**Both Directions Affected:** Yes

**Beginning Reference Point:** 22.5806

**Ending Reference Point:** 23.1515

**Type of Work:** BRIDGE DECK REPLACEMENT

**Surface Type:** Pavement

**Expected Start Date:** 06/05/2013

**Expected End Date:** 09/06/2013

**Map Status:** Completed

**Delay Time:** No Delays

**Travel Speed:** Normal

**Width Restriction:** 0.0

**Height Restriction:** 15.6

**Project Location:** ND 13/ MOORETON INTERCHANGE - WB

**Map Comments:** All work complete. Project suspended for season.
Multiple Work Sites

- Slab Jacking Project
- Weigh in Motion Project
- Other work types
Work Zones

Highway: I-29 S  (MP: 22 to MP: 48)
Location: SB I-29 Bridge Work - Only a Test
Description: Construction
Delays: Expect Delays
Travel Speeds: Reduced
Surface Type: Pavement
Restriction(s):
  Width - 20 ft.
Comment: Only a test for training
Expected Start: 2/27/2014
Expected End: 2/28/2014

Zoom to
Summary

- Need to know how your project is entered into the system and what route the permitting system will restrict
- Constant communication between the Assistant District Engineer will be required