Transportation Challenges
Addressing the Issues

Presented By: Brad Bekkedahl
Finance Commissioner, City of Williston, North Dakota
Where and What is Williston?
The Center of the Activity

- 90% of the current rigs drilling are within a 70-mile radius of Williston

Total Wells: 189
September 27, 2012
This image was taken by an astronaut aboard the International Space Station on Oct. 18 2011 at night. It was a 1 second exposure using a low-light camera and shows lights brighter than they would have appeared with the naked eye. North is left of the image. Lights from cities along the Hi-Line can be seen, as well as Fort Peck Lake reflecting moon light. The cluster of lights around Williston is from oil rigs in the area. The green arc over the earth is an ionization layer at the top of the atmosphere, and is not ordinarily visible to the unaided eye. Image courtesy of the Image Science & Analysis Laboratory, NASA Johnson Space Center.
Number One in Fast Growing Micropolitan Regions!

Number 9 Oil Capital of North America!

Number 15 on the Hottest America Cities of the Future!

Number 2 State in Oil Production!
Number 11 in Outdoor Life Magazine Top Towns for Sportsmen in 2011!

Listed in Midwest Living as One of the 100 Top Small Town Getaways!
#1 in North Dakota in:

- Taxable Sales and Use
- Mining Employment
- Number of Oil Companies Location
- Building Permits Statewide
- Housing Shortage / Rent Inflation
- Oil Rigs within a 70 Mile Radius
- Oil Truck Traffic within City Limits
- Crew Camp Capacity and Occupancy
- Power Usage and Consumption
- Oilfield Water Usage
- Micropolitan Growth
- Fastest Growing AmTrak Station
#1 Job Creation

**Micropolitan Areas**

- Over 24,000 Jobs Created
- .7% Unemployment

Williston – Williams County  
Minot – McHenry, Renville & Ward Counties  
Dickinson – Billings & Stark Counties  
Wahpeton – Richland & Wilkin Counties  
Jamestown – Stutsman County
Traffic during non-rush hour!
The Theodore Roosevelt Expressway (TRE) is the Northern third of the Ports to Plains Alliance. It runs from Rapid City, SD to Canada through the Port of Raymond in Montana.

The TRE begins in Rapid City and flows through the cities of Spearfish, Belle Fourche, Bowman, Belfield, Watford City, Williston, Culbertson, Plentywood, and finally through the Port of Raymond into Canada.
Ports to Plains Alliance

Theodore Roosevelt Expressway

Heartland Expressway

Ports-to-Plains Alliance

“We Want To Work With You”
NDDOT is aggressively addressing infrastructure improvements to enhance safety and traffic movement in western North Dakota

The North Dakota Department of Transportation (NDDOT) invested approximately $635 million in state projects from 2008-2011 to preserve and improve transportation infrastructure in this area. The state will invest an additional $305 million in 2012, as well as continue to plan and work on future road projects.

Recent highway improvements completed in 2011 include:

- Super 2 construction on US 85 between Watford City and Williston, providing additional passing and turning lanes.
- Installing traffic signal systems at highway intersections near Tioga, Williston, Watford City and Stanley.
- Completing major construction and widening projects on highways ND 8, ND 22, ND 23 and US 85.
- Expediting repairs on damaged pavement of several state highways in Williston and Watford City areas.
- Adding centerline and edge-line rumble stripes on two-lane highways.

*Includes right-of-way, utilities and construction engineering costs.*
Transportation projects planned for 2012 in oil impact areas

NDDOT is working to enhance traffic movement. Some road projects planned for 2012 include:

**US Highway 2**
Road repair and reconstruction north of Williston to Junction of US 85.

**ND Highway 8**
Widening and regrading near Bowbells from Junction of ND 52 to Junction of ND 50.

**ND Highway 23**
Improvements include widening roadway and adding passing and turning lanes east of New Town to ND 37.

**ND Highway 22**
Expanding to five lanes in north Dickinson to county line. Adding turn lanes and passing lanes 12 miles north of Killdeer to Lost Bridge. Widening and adding passing/turning lanes from ND 73 to ND 23.

**Williston Truck Route**
Developing a truck-reliever route for the city of Williston.
Future road projects proposed in STIP for western North Dakota

NDDOT is also working on planning and design for proposed future projects in the State Transportation Improvement Program (STIP) including:

- Additional truck reliever routes are under consideration for Dickinson, Alexander, New Town and Watford City.
- Projects on state highways including ND 23, ND 37, US 85 and other highways in western North Dakota.

Funding utilized on state, county and township roads

The Governor and legislators passed a comprehensive transportation funding package for the 2011-2013 biennium, which includes maintenance and enhancement of state, county, city and township roadways.

The budget included $228.6 million of oil impact funds for Extraordinary State Highway Maintenance. The funding was dedicated for projects on state highways within the 17 oil and gas producing counties in western North Dakota.

Funding was also provided for a county and township road reconstruction program. It designated $142 million in state funds to address local roadway needs.

<table>
<thead>
<tr>
<th>Oil Impact Area $$$ For Transportation Projects</th>
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<tbody>
<tr>
<td><strong>Funds</strong></td>
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<tr>
<td><strong>2011</strong></td>
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<td>--------------------------</td>
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<tr>
<td>State Transportation Improvement Program (STIP) Federal, state &amp; local match</td>
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<tr>
<td>Extraordinary State Highway = $228.6 M</td>
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<tr>
<td>Emergency Relief Funds</td>
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<tr>
<td>Federal Tiger Grant - Minot</td>
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<tr>
<td><strong>Sub Total</strong></td>
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<tr>
<td>County &amp; Township Roads = $142 M</td>
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<td><strong>Total</strong></td>
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Includes right-of-way, utilities and construction engineering costs.
Truck Bypass/Reliever Routes

- Williston
- Watford City
- New Town
- Dickinson
- Killdeer
- Alexander
Williston Truck Reliever Route
Williston Truck Bypass

Truck Bypass: Alternative Alignments Under Consideration

- **Alternative A**
  - Follows portions of 141st Ave NW (CR 4), 140th Ave NW (CR 7), & 57th St NW (CR 6)
  - Shortest route - 11.4 miles (existing route is 10.7 mi.)

- **Alternative B**
  - Follows portions of 142nd Ave NW, & 57th St NW (CR 6)
  - 13.4 miles
  - Sub-alternatives

- **Alternative C**
  - Follows portions of 143rd Ave NW, & 57th St NW (CR 6)
  - Longest route - 17.3 miles
  - Sub-alternatives

Alignments shown are general – being refined to avoid impacts, address design issues, etc.
Watford City Truck Bypass/Reliever Route
New Town Truck Reliever Route
Dickinson Truck Bypass

Study Area Map
*Shaded area indicates the area that is being studied to select a potential corridor for the bypass. Your input will help determine the route selected.

Would you like to see more detailed study area maps? Visit the website at www.dickinsonbypass.com
US Highway 85 segment between Williston and Watford City information:

November 2011:
The North Dakota Department of Transportation completed North Dakota’s first “super 2 highway,” featuring passing lanes and turning lanes throughout a 40-mile stretch of US 85 two-lane highway between Williston and Watford City. This section of US 85 includes one-mile long passing lanes spaced about five miles apart. The new roadway features 12 passing lanes on inclines, with six in the northbound lane and six in the southbound lane. In addition, the North Dakota Department of Transportation has added several turning lanes to the roadway which also improve safety and traffic flow.

September 2012:
The North Dakota Department of Transportation has completed paving on a project which extends passing lanes on US Highway 85 from Williston to Watford City. The construction project included work on seven of the existing passing lanes which are now lengthened to provide more distance for vehicles to pass trucks and slow moving vehicles. This project was conducted on a section of US 85 which is often referred to as a Super 2 Highway.

Fall 2012:
The North Dakota Department of Transportation has hired a consultant firm, Kadrmas, Lee and Jackson to begin the environmental assessment process for proposed enhancements to four-lane US Highway 85 between Watford City and Williston, as well as expanding or replacing the Missouri River Bridge near Williston. Public input meetings about the project are set to be held October 23 and 25 in Williston and Watford City.
US Highway 85
Williston to
Watford City,
North Dakota
Building a community, a State, a Nation.

“When it is all said and done, we want to prevail as a better community than when it started.”

THANK-YOU

Brad Bekkedahl
Williston City Commissioner

City of WILLISTON