North Dakota Asphalt Conference

Doublewood Inn
Bismarck, ND
April 6-7, 2010
Overview

- Funding
- Inflation
- 2010 Construction Season
- New Strategies and Research
- Quality
- Safety

NDDOT
North Dakota Department of Transportation
State Budget

- During the last legislative session, the State of North Dakota committed an unprecedented $1.35 billion including federal funds for transportation -- an increase from $903 million in the previous biennium.
  - $176.1 million in ARRA (stimulus)
  - $59.9 million weather related (state)
  - $43 million disaster related (state)
  - $86 million in Emergency Relief
  - $47.2 million additional regular federal funds
  - $34 million in state funds for projects
## SAFETEA-LU Funding for ND

<table>
<thead>
<tr>
<th></th>
<th>2005 ($ millions)</th>
<th>2006 ($ millions)</th>
<th>2007 ($ millions)</th>
<th>2008 ($ millions)</th>
<th>2009 ($ millions)</th>
<th>2010 ($ millions) as of 3/15/10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Apportionment</strong></td>
<td>$220</td>
<td>$224</td>
<td>$226</td>
<td>$244</td>
<td>$259</td>
<td>$69*</td>
</tr>
<tr>
<td><strong>Obligations</strong></td>
<td>$203</td>
<td>$204</td>
<td>$231</td>
<td>$235</td>
<td>$245</td>
<td>$217</td>
</tr>
<tr>
<td><strong>ARRA</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>$90</td>
<td>$80</td>
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</tbody>
</table>

* New apportionment
Federal Funding

- Federal Aid is vital to our system. Historically, North Dakota received about $2 for every $1 contributed to the Federal Highway Trust Fund.

- Federal Aid makes up about 57% of NDDOT budget.
Federal Transportation Bill

- House Authorizing Committee
  - Decreases the number of Federal Programs
  - Increases Funding but not for Core Programs
  - Places an emphasis on Urban Areas
- USDOT Emphasis on Livable Communities
- Federal Highway Trust Fund Shortage
- Challenges in the donee vs. donor relationship.
Inflation

North Dakota's Overall Construction Cost Index

Index

Years

2001 2002 2003 2004 2005 2006 2007 2008 2009
Construction Inflation

Earthwork Price Index

Concrete Paving Cost Index

Bituminous Paving Cost Index

Concrete (Other) Cost Index
Regional Transportation Meetings

- Balance resources with expected levels of service

- NDDOT working with UGPTI to hold regional transportation meetings to discuss:
  - Prioritize use of resources
  - Present levels of service that can be provided with existing resources
  - Consensus on the level of service
Regional Transportation Meetings

- Wednesday, April 7 (Jamestown)
- Thursday, April 8 (Devils Lake)
- Friday, April 9 (Grand Forks)
- Monday, April 12 (Dickinson)
- Tuesday, April 13 (Williston)
- Wednesday, April 14 (Minot)
- Thursday, April 15 (Bismarck)
- Friday, April 16 (Fargo)
- Statewide meeting – May 17 (Bismarck)
2010 Construction Season

- Prepared projects for a large Construction program.
  - Jobs Bill
  - $240 million regular federal program
  - $130 million ER projects
  - State program
2010 Construction Season

- State Program – $34 million
- $80 - $100 million ER in Devils Lake
- ARRA Carryover of $80 million
- Unfortunately Regular Federal Program Uncertain
  - Delayed many projects
New Strategies/ Research

- Roadway research
  - Warm mix asphalt
    - Requires less fuel at asphalt plant—lower mixing temperature
    - Reduced emissions at plant and construction site
    - Can aid in smoothness of ride in overlay applications

- Wet reflection traffic marking paint
  - Improve visibility for night time driving in rainy conditions
New Strategies/Research

- Roadway research
  - Pipe placement research
    - Highway 127 project
    - I-29 pipe repair
  - Highway 12 grading project
    - Intelligent compaction
    - Grading - machine control
Quality

- Steps to Ensure Quality
  - Good Plans/Notes
  - Proper Specifications
  - Good Equipment
  - Partnership
  - Commitment
Safety

• Mission is to provide a transportation system that safely moves people and goods.

• Motorists are safe while traveling on our roadways:
  • Design Guidelines
  • Rumble strips

• Construction and Maintenance personnel are safe:
  • Work Zone Signing
  • Highway Patrol Overtime
Questions