NDDOT Highway Construction Program

Yearly Spending:
- 2006: $285,000,000
- 2007: $200,000,000
- 2008: $245,000,000
- 2009: $345,000,000
- 2010: $450,000,000
- 2011: $550,000,000
- 2012: $500,000,000
- 2013: $700,000,000
- 2014: $700,000,000
- 2015: $600,000,000

Graph showing the increase in spending from 2006 to 2015.
<table>
<thead>
<tr>
<th></th>
<th>Current</th>
<th>One Year Ago</th>
<th>Two Years Ago</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of Contracts</strong></td>
<td>165</td>
<td>219</td>
<td>233</td>
</tr>
<tr>
<td><strong>Total Construction Contract Amount</strong></td>
<td>$596,442,172</td>
<td>$745,725,627</td>
<td>$754,324,089</td>
</tr>
<tr>
<td><strong>Contract Amount Complete</strong></td>
<td>$489,199,892</td>
<td>$506,680,437</td>
<td>$602,791,009</td>
</tr>
<tr>
<td><strong>Contract Amount Remaining</strong></td>
<td>$107,242,280</td>
<td>$239,045,190</td>
<td>$151,533,080</td>
</tr>
<tr>
<td><strong>% Complete</strong></td>
<td>82%</td>
<td>68%</td>
<td>80%</td>
</tr>
</tbody>
</table>
Next Generation Grinding
2015

Averaged 4.4 Bidders/Project
NDDOT Contractor Competition

**Competition**

- **Average Bidders per Contract:**
  - 2011: 3.80
  - 2012: 4.00
  - 2013: 4.50
  - 2014: 4.00
  - 2015: 4.50
## Notice of Intent to File a Claim

<table>
<thead>
<tr>
<th>Dispute Status</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolved</td>
<td>39</td>
<td>32</td>
<td>7</td>
</tr>
<tr>
<td>Unresolved</td>
<td>10</td>
<td>26</td>
<td>34</td>
</tr>
<tr>
<td>Total</td>
<td>49</td>
<td>58</td>
<td>41</td>
</tr>
</tbody>
</table>
NOI/CLAIMS MODULE IN CARS

- 2015 CARS update
- Track NOIs
- Track Claims
- Provide current status
- Data provided at project level
## Construction Automated Records System

### Main Menu

**Maintenance**
- Assign Project Engineer/Consultant
- Progressive Estimate Approval
- Select Previous Claim for Payment
- Concrete Paving
- Haul Sheet
- Mix Bitumen
- Pay Quantity
- Piping / Test Piping
- Project Diary
- Inspection Diary
- Stockpiles
- Create Progressive Estimate
- Weekly Progress Report
- Change Order
- Construction Status
- Contract Adjustment
- Force Accounts
- Project Personnel
- Project Permits
- Contractor N/D/Claim

**Report**
- Concrete Paving
- Haul Sheet
- Mix Bitumen
- Piping Reports
- Spread Sheet
- Change Order
- Force Account
- Pay Order
- Denied Change Orders
- Completed on Time
- Contract Adjustment
- Flush Out Order
- Project Diary
- Stimulus Projects
- Open Permits

**Management Reports**
- Change Order Summary
- Change Order Reason
- Spending Analysis
- Fuel Cost Adjustment
- Inspection Diary
- Liquidated Damages
- Project Diary
- Stimulus Projects
- Open Permits

**Letters**
- Final Acceptance Letter

[http://www.nd.gov/Transaction]
### Prime Contractor: Info Tech Test Company

#### Contractor Filings

<table>
<thead>
<tr>
<th>Filing #</th>
<th>Claimant: Info Tech Test Company</th>
<th>Filing Status: Active</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Filing #: 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projects linked to this filing: 20704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage: Verbal</td>
<td>Date Received: 02/01/2015</td>
<td>Status: Receipt (Closed)</td>
</tr>
<tr>
<td>Stage: Written</td>
<td>Date Received: 02/03/2015</td>
<td>Status: Contractor Decision (Open)</td>
</tr>
<tr>
<td>Stage: Claim</td>
<td>Date Received: 02/01/2015</td>
<td>Status: Contractor Decision (Open)</td>
</tr>
<tr>
<td><strong>Filing #: 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projects linked to this filing: 20704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage: Verbal</td>
<td>Date Received: 02/02/2015</td>
<td>Status: Receipt (Closed)</td>
</tr>
<tr>
<td>Stage: Written</td>
<td>Date Received: 02/01/2015</td>
<td>Status: Contractor Decision (Open)</td>
</tr>
<tr>
<td>Stage: Claim</td>
<td>Date Received: 02/16/2015</td>
<td>Status: Contractor Decision (Closed)</td>
</tr>
<tr>
<td><strong>Filing #: 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projects linked to this filing: 20704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage: Verbal</td>
<td>Date Received: 02/02/2015</td>
<td>Status: Receipt (Closed)</td>
</tr>
<tr>
<td>Stage: Written</td>
<td>Date Received: 02/12/2015</td>
<td>Status: Pending Engineer Decision (Open)</td>
</tr>
<tr>
<td><strong>Filing #: 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projects linked to this filing: 20704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage: Verbal</td>
<td>Date Received: 02/03/2015</td>
<td>Status: Receipt (Closed)</td>
</tr>
<tr>
<td>Stage: Written</td>
<td>Date Received: 02/06/2015</td>
<td>Status: Contractor Decision (Closed)</td>
</tr>
<tr>
<td><strong>Filing #: 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projects linked to this filing: 20704</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Create New Filing Group**

- **Claimant Name:**
- **Create**
What’s New for 2016?
2016 Workload by Dollar Amount

- Fargo: 65.0
- Williston: 221.5
- Grand Forks: 30.0
- Dickinson: 131.0
- Minot: 76.3
- Devils Lake: 86.5
- Valley City: 35.6
- Bismarck: 102.4

TOTAL – $748.3
2016 Workload NDDOT/Consultant

<table>
<thead>
<tr>
<th>City</th>
<th>NDDOT Admin</th>
<th>Consultant Admin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fargo</td>
<td>51.5</td>
<td>13.5</td>
</tr>
<tr>
<td>Williston</td>
<td>6.6</td>
<td>214.9</td>
</tr>
<tr>
<td>Grand Forks</td>
<td>30.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Dickinson</td>
<td>11.4</td>
<td>119.6</td>
</tr>
<tr>
<td>Minot</td>
<td>49.6</td>
<td>26.7</td>
</tr>
<tr>
<td>Devils Lake</td>
<td>43.3</td>
<td>43.2</td>
</tr>
<tr>
<td>Valley City</td>
<td>19.4</td>
<td>16.2</td>
</tr>
<tr>
<td>Bismarck</td>
<td>60.7</td>
<td>41.7</td>
</tr>
</tbody>
</table>

Estimated Construction Cost in Millions

NDDOT Admin (272.5 M)
Consultant Admin (475.8 M)
2016 NDDOT and Consultant Staffing/Construction Contract Amount

- NDDOT Admin., $272.5, 36%
- Consultant Admin., $475.8, 64%
## District & Consultant Staffing 2016

<table>
<thead>
<tr>
<th>District</th>
<th>District</th>
<th>Consultant</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bismarck</td>
<td>$60,738,000</td>
<td>$41,698,000</td>
<td>$102,436,000</td>
</tr>
<tr>
<td>Valley City</td>
<td>$19,381,000</td>
<td>$16,165,000</td>
<td>$35,546,000</td>
</tr>
<tr>
<td>Devils Lake</td>
<td>$43,291,000</td>
<td>$43,206,000</td>
<td>$86,497,000</td>
</tr>
<tr>
<td>Minot</td>
<td>$49,624,000</td>
<td>$26,680,000</td>
<td>$76,304,000</td>
</tr>
<tr>
<td>Dickinson</td>
<td>$11,375,000</td>
<td>$119,611,000</td>
<td>$130,986,000</td>
</tr>
<tr>
<td>Grand Forks</td>
<td>$30,093,000</td>
<td>$0</td>
<td>$30,093,000</td>
</tr>
<tr>
<td>Williston</td>
<td>$6,600,000</td>
<td>$214,896,000</td>
<td>$221,496,000</td>
</tr>
<tr>
<td>Fargo</td>
<td>$51,501,000</td>
<td>$13,538,000</td>
<td>$65,039,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$272,603,000</td>
<td>$475,794,000</td>
<td>$748,397,000</td>
</tr>
</tbody>
</table>
23 USC 313
23 CFR 635.410
All Federal-aid projects

IRON & STEEL only
• All manufacturing processes must take place domestically
• Includes coatings on these materials

Minimal use = 0.1% (contract value) or $2500
Buy America

- New SP Changing Section 106.08
- Federal Aid Projects Only
- Starts February 5, 2016 Bid Opening
Buy America

- December 2015 US District Court Decision
- FHWA guidance memo of December 21, 2012 withdrawn
- All steel & iron materials need to be from domestic sources
- Applies to materials permanently incorporated into the work
Example Products Subject to Buy America

- Fabricated Structural Steel
- Reinforcing steel
- Piling
- High strength bolts
- Dowel bars
- Bridge bearings
- Pre-stressing/Post-tensioning wire
- Guardrail
Guardrail posts
Cable guardrail
Steel fencing material
Steel or iron pipe
Grates
Manhole covers
Mast Arms
Poles
Subletting of Contract

- 108.01 Standard Specs
- Subcontractors must be registered
- Subcontractor Registration Form (SFN 52243)
- Online registration coming (2016)
Material Certification

- Section 106.01 Standard Specs
- Materials Certification required for payment
- New SP (Coming 2016)
- Manufacturer Certification
- Contractor Certification
Material Certification

- Submitted on State Form
- Certification Submitted Electronically
- Both Signed by Prime Contractor
All 8 Districts have iPads
Access CARS in the field
CARS updates
More electronic records
e-Construction guidelines on NDDOT website
Electronic Construction Documentation Guide
Contract Time for Completion Summary

- Completion date contracts
- Working day contracts
- Calendar day contract
- Can maintain during project
### Contract Time for Completion Summary for Completion Date Contracts

**North Dakota Department of Transportation, Construction Services**  
**SFN 5660 (Rev. 2-2016)**

<table>
<thead>
<tr>
<th>PCN</th>
<th>Notice to Proceed</th>
<th>Project</th>
<th>Date Work Started</th>
<th>Original Completion Date</th>
<th>Calendar Days Available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monday, May 21, 2012</td>
<td></td>
<td>Tuesday, June 05, 2012</td>
<td>Saturday, November 03, 2012</td>
<td>152</td>
</tr>
</tbody>
</table>

#### A) Change in Time resulting from Change Orders = 15 Calendar Days Added

<table>
<thead>
<tr>
<th>Change Order</th>
<th>Work Performed By</th>
<th>Calendar Days Added or Subtracted</th>
<th>Revised Completion Date</th>
<th>Reason for Change Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ABC Construction</td>
<td>2</td>
<td>Monday, November 05, 2012</td>
<td>A pipe was added to divert an underground spring approved on 5/8/13</td>
</tr>
<tr>
<td>5</td>
<td>ABC Construction</td>
<td>1</td>
<td>Tuesday, November 06, 2012</td>
<td>Additional work to fix a slide area on ND 73 signed on 2/24/14</td>
</tr>
</tbody>
</table>

#### B) Change in Time due to Periods of Authorized Suspension = 158 Calendar Days Added

<table>
<thead>
<tr>
<th>Date Work Suspended</th>
<th>Date Work Resumed</th>
<th>Calendar Days Added or Subtracted</th>
<th>Revised Completion Date</th>
<th>Reason for Suspension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, November 06, 2012</td>
<td>Saturday, April 20, 2013</td>
<td>165</td>
<td>Thursday, May 02, 2013</td>
<td>Time charges began again after substantial completion date due to ABC’s failure to address asphalt repair locations in a timely manner. See email from Joel on Nov 7, 2013</td>
</tr>
<tr>
<td>Friday, November 15, 2013</td>
<td>Friday, November 08, 2013</td>
<td>-7</td>
<td>Thursday, April 25, 2013</td>
<td></td>
</tr>
</tbody>
</table>

#### C) Total Change in Time

- Total Change in Time (A + B): 173 Calendar Days Added
- % Time Added: 113.82%
- Revised Completion Date: Thursday, April 25, 2013
- Date of Substantial Completion: Wednesday, July 31, 2013
- Calendar Days Beyond Completion Date: 97
- Liquidated Damage Rate: $6,000
- Total Liquidated Damages: $592,000.00
- Date of Final Acceptance: Tuesday, July 08, 2014

Work Remaining at Time of Substantial Completion:  
Asphalt repair areas, permanent erosion control items.
THE END