






**DISTRICT 8 ASHE PRESENTATION**  
**April 1, 2008**


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**BRIDGES**




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**District 8 Bridge Overview**

- Bridge Profile
- 2007 Letting Results
- 2008 Letting Goals
- Bridge Preservation
- Bridge Replacements
- Department Force Program
- Inspection/BMS 2
- Major Bridge Related Issues

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## State Bridge Profile (8-0)

- 3430 state bridges
- 19.33% SD deck area
- 20.03% FO deck area
- 67 posted
- 6 closed

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## 2007 Letting Results

- Bid 81 Bridges for \$102 million.
  - Replacements for \$49 million.
  - Rehabilitations for \$8 million
  - Preservations for \$44 million.
  - Emergencies for \$1 million
- Covers about 2.3% number of bridges, or about a 43 year cycle average for replacement/rehab/preservation combine.

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## 2007 Bridge Issues

- Pedestals/bearing issues on major expressway overpasses addressed
- Repairs to George Wade Bridge
- Minnesota
- Release of Structurally Deficiency Info
- Inspection of steel structure items
- Trusses
- Big Construction Program
- US 15/581 Bid

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### 2008 Letting Goals

- 54 Bridges Planned for \$ 72 million
- 16 replacements
- 18 preservations
- 13 rehabilitations
- 3 removals
- 1 new bridge

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### 2008 Bridge Issues

- 10% SD goal (10 year goal)
- 1000 Bridges in 3 years statewide
- Staffing in District Office
- Experience in District Office
- Permitting requirements
- QA in inspections, timely follow-up processes

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### Bridge Preservation

- 07/08 target for \$2 million in construction projects funded by state budget.
- Continue to target TIP updates in future using Act 44, \$10 million per year.
- Use open-end consultant agreements and modified selections.
- Follow scope

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## Bridge Replacements

- DEP/105 Permits
  - Maximize Use of GP-11.
  - Use Pre-app meetings and Pre-submission meetings
  - Consultants submit directly with ADE signature.
- Minimize the TS&L process.
- Add more projects in 2009 TIP Update.

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## Bridge Rehabilitations

- Act 44 and proposed Bond funds are focused on rehabilitations with goal to reduce SD%.
- Use Design/Build (new process includes ROW, 419, Permits, Reviews)
- Use open-end agreements to deliver projects.
- Use modified selection packages for Act 44 projects in 2010 and beyond.

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## Department Force Bridge Program

- Design Division working closely with Maintenance Division.
- 50 box culverts for DF installation (5 years).
- DF Program needs assistance in obtaining permits.
- Investing in more equipment to complete more bridge maintenance activities.
- Consultants may need to advise on appropriate maintenance for structures.
- Target Scour prevention.

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## Bridge Inspection

- Hired consultant team in 2007 to do in-depth inspection on 160 bridges. Selected another team in late 2007.
- Staff turnover is an issue.
- BMS 2 is more in-depth, elements defined in system.
- Need consultants to assist in BMS 2 update for new projects.
- Keep BMS2 current!

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