Ohio Department of Transportation
• Tim Keller
• Sean Meddles
• Scott LeBlanc

Burgess & Niple
• Tom Bolte
• Travis Butz

State of Practice for Highly Skewed Bridges in Ohio

Housekeeping

• Agenda
• Sign in Sheets – posted on web
• Stay on Schedule (breaks/lunch)
• Questions
  • Hold until end of each session
  • Submit webcast questions to ose@dot.state.oh.us
• Presentations on OSE Website
• Animations on OSE Website
• CD will be available upon request
http://www.dot.state.oh.us/se/skew/skew.htm
Agenda

Skewed Bridges
- Understanding skewed bridge behavior (Travis Butz)
- Potential solutions (Tom Bolte)
- New policy & practice (Sean Meddles)
- Analysis / software (Travis Butz)

Deck Issues
- Deck issues: Construction (Scott Leblanc)
- Deck issues: Design (Travis Butz)
- New policy & practice (Sean Meddles)

Highly Skewed Bridges

Skew effects should be considered when skews are greater than 30 degrees.
WHY THIS SEMINAR?

- Recent problems attributed to heavy skew
- A host of other recent problems associated with deck placements
- The potential for future problems
- Increase awareness

What Changed ??

- More flexible structures
  - 70 grade steel
  - Longer spans – removal of shoulder piers
- Designers doing what they have always done
- Geometrics
  - Urban corridors are being rebuilt with limited ROW
  - Braided ramps