

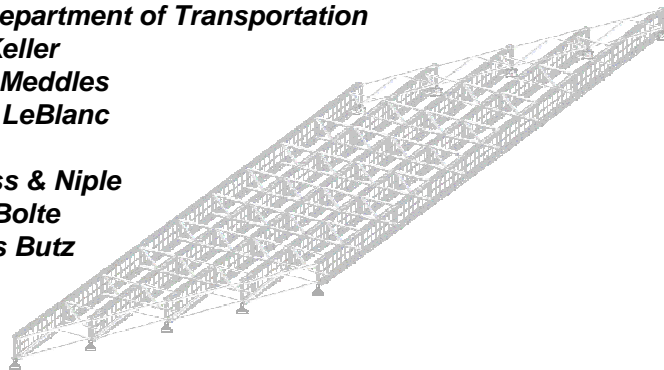
State of Practice for Highly Skewed Bridges in Ohio

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