ROADCON

A Presentation by:
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Swing Radius

- Area of swing must be marked or barricaded to prevent people in the hazard zone
- Death in 1999 in Rockford, IL
- Cited 5(a)(1)
Employees in Traffic

- Employee blowing debris out of cracks
- Inadequate traffic control, should have had lane closed
Work on Road

- No traffic control provided
Work at Edge of Road

- No traffic control for employee breaking up concrete
Traffic Control

- Employees working in street.
- No signs placed
- Moving two opposite lanes into one requires flagging or channeling devices (see next page)
Work in Travel Lane
Work on Sidewalks

- Workers are going in and out of traffic lane.
- No signage (see next page)
Shoulder Work

(2′ – 15′ From the Edge of Pavement)

<table>
<thead>
<tr>
<th>Speed Limit</th>
<th>Shoulder Taper (ft)</th>
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<tbody>
<tr>
<td>35</td>
<td>70</td>
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<td>45</td>
<td>150</td>
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<td>55</td>
<td>200</td>
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minimum

Shoulder Taper

500′

SHOULDER WORK
Excavation Work

- No traffic signs with excavation at the edge of traffic. (see next page)
- Trench box is inadequate too
Work Within Two Feet

(Within 2’ of the Edge of Pavement)

<table>
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<tr>
<th>Speed</th>
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<tbody>
<tr>
<td>35</td>
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<td>55</td>
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<td>235</td>
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</table>
Lane Closure on a Four-Lane Road

- Arrow display should be 540 feet from work
Lane Closure on a Four-Lane Road

- 35 mph
- Taper = 250 ft

- 45 mph
- Taper = 540 ft

- 55 mph
- Taper = 660 ft
Side Roads

- Must be closed with road signs warning of closure (see sample IDOT plan on next page)
- This side road is not closed
Sample IDOT Plan (excerpt)
Work Adjacent to Traffic

- Ramp used to dump material in hopper is unprotected from vehicles coming from right side
- No traffic control devices other than single cone used
Flaggers

- Must stay out of traffic
- Must have flags or paddles and not use hands
Directing Traffic

- Need to have vests and flags/paddles
Flagging

- Flagger is out of traffic
Asphalt Milling

• Must stay within work zone
• Power lines are a hazard in residential areas
Head Protection

- Employees handling loads from excavators and exposed to the bucket need head protection
- Swing radius not protected either