

Louisiana

State DOT Representative Report Questions

National Concrete Consortium

San Antonio, Texas

April 2, 2009

Theme: Ride Quality for Bridges

Please provide your state DOT's perspective regarding the following theme questions. Each NCC state DOT representative will be asked to present their responses to the group during the State Report forum on Thursday morning April 2, 2009.

1. What features of a bridge deck and approach do you consider to have the most impact on ride quality?

Approach

2. How does your state measure ride quality for bridge decks?

- a. IRI?
- b. Straight edge?
- c. Other?
- d. Specifications?

Straight edge

3. What smoothness thresholds does your DOT require for bridge decks?

No more than 1/8 inch in ten feet

4. How are transitions near localized features (drainage basins, joints) treated in efforts to ensure acceptable ride quality?

10 foot straight edge (no more than 1/4 inch in ten feet)

5. What corrective actions are required for substandard bridge deck/approach ride quality?

Grind, remove and replace

6. Does your state initiate a penalty/incentive structure for bridge ride quality?

No

7. Does your state consider ride quality as a scoping item for bridge rehabilitation?

No

8. Does your state require sequencing (casting positive moment regions prior to negative moment regions) of deck pours during placement of bridge deck concrete for continuously designed decks?

Yes

9. What method and type of texture does your state apply to your bridge deck surface?
Cross tinning
10. How does your state handle transitions/approaches from pavement on to the bridge deck (approach length, profile, joints)?
CRC monolithic mat ranging from 10 to 40 feet in length with a profile matching the vertical curve and an expansion joint at each end
11. Does your state maintain a database for bridge ride quality?
Yes, along with the roadway sections
12. How does your state report its network ride quality for pavements and bridges to the Highway Performance Monitoring System (HPMS) database (network report excludes or includes bridges with pavements)?
We have excluded the bridges in the past, but will keep them in this year when reporting