

Guardrail Committee Agenda

November 22, 2005

1:30 PM

Roadway Design Conference Room

I. Update: Guardrail Vegetative Maintenance Concerns

Ron Allen provided an update on the status of addressing this issue. The Guardrail Committee Members reviewed a copy of the meeting minutes (**Attachment No. 1**) from the Guardrail Vegetative Maintenance Subcommittee meeting.

Action: *The Guardrail Vegetative Maintenance Subcommittee will continue to investigate and report findings with cost comparison to the Implementation Committee.*

II. Cable Guiderail Placement on Median Divided Facilities

Do we need to revise the offset distance between the centerline of median to Cable Guiderail on 46' median divided facilities? Based on new guidance provided by the Draft AASHTO Roadside Design Guide Revised Chapter 6: Median Barriers, we may want to consider revising the offset from 4' to 8'.

(**Attachment No. 2**)

Action: *The Draft AASHTO Roadside Design Guide Revised Chapter 6: Median Barriers has been reviewed by the Standing Committee on Highways; therefore, its final approval status is pending. We will continue to monitor this issue.*

III. Use of B-77 Guardrail Anchor Units in Lieu of Type III Anchor Units

IV

For proposed bridges with the standard barrier shape rail, do we want to implement the usage of B-77 guardrail anchor units in lieu of Type III's? If so, how do we want to proceed with implementation?

Action: *The Structure Design Unit has no concerns with the usage of the B-77 guardrail anchor units; it simplifies their details. It was the general consensus of the GRC to endorse this change. Cynthia Perry will get an estimate to determine the costs savings associated with making this change. The GRC recommendations will be forwarded to the Implementation Committee for final approval and implementation.*

IV. Update: Recycled Guardrail

Get a status report from the subcommittee formed to investigate this issue. The Recycled Guardrail Subcommittee Members are as follows: Randy Pace, Samuel Frederick, Joel Howerton, and Roger Thomas.

Action: *Joel Howerton gave an overview in regards to this issue. The Recycled Guardrail Subcommittee held a meeting with a contractor out of Rockhill. This meeting was held to get an idea on whether it would be best for the Department to handle the stockpiled guardrail for recycling or for the contractor. Due to the cost increase in steel and because this is a recycled product, the Recycled Guardrail Subcommittee will continue to investigate how best to implement the usage of Recycled Guardrail into our projects and will report back to the Guardrail Committee.*

New Items

Dennis Jernigan noted that it's not clear in our roadway design plans when double post spacing may be required to protect a rigid obstacle. It was noted that the easiest fix might be to add a note to the guardrail summary specifying the location where the usage of double post spacing is required. Also, the number of additional guardrail post added to the contract should be adjusted accordingly.

Jay Bennett asked the Guardrail Committee if they thought it would be worth while to investigate tension induced cable median guiderail. A vendor questioned if North Carolina thought this concept warranted further investigation. It was the general consensus of the group that it warranted further investigation, but it was noted that it would need to be performed on cable guiderail systems that have the new larger anchor blocks.

Minutes prepared by Roger Thomas, PE

Minutes approved by Ron Allen, PE

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