



McMullan

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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DAVID McCOY
SECRETARY

January 24, 2000

TO: Mr. John Alford, PE, State Roadway Project Engineer

FROM: Stuart Bourne, PE, Traffic Control Engineer

J. Stuart Bourne

SUBJECT: Temporary Guardrail

MEMORANDUM

Attached are the guidelines for the use of temporary guardrail developed in coordination between the Traffic Control and the Roadway Design Sections.

Beginning with the June 2000 letting, all temporary guardrail needed for the maintenance of traffic will be paid for and handled as described in these guidelines. Please share with your employees so that we will have uniform implementation of temporary guardrail statewide.

Also, by copy of this memorandum, we are requesting the pay items for all temporary guardrail quantities be transferred from the Traffic Control Section to the Roadway Design Section. We are also requesting this change be implemented with the May 2000 letting.

If you have any questions or comments concerning the Temporary Guardrail guidelines, contact Steve Kite or myself at 250-4151.

JSB/sk

Attachment

Cc:

Mr. Victor Barbour, PE

Mr. Garry Lee, PE

Mr. Jay Bennett, PE

Mr. Randy Garris, PE

Traffic Control Project Engineers

Roadway Design Project Engineers

GUIDELINES FOR THE USE AND PAYMENT OF TEMPORARY GUARDRAIL FOR MAINTENANCE OF TRAFFIC

Temporary guardrail is a device used to protect/redirect errant vehicles from drop-offs, hazardous roadway slopes, rigid objects, etc. The following criteria will be used to define the use and identify where it appears in the Design Plans.

1) The use of temporary guardrail may be needed in the design of "on-site" detours during bridge replacement/construction. The locations and lengths of need will be designed and shown on the Roadway Plans. The quantities to be calculated for the Contract will be performed by the Roadway Design Section and located in the Roadway Plans. The existing specification for temporary guardrail will remain the same as shown in Section 862, Subsection 4 through 6.

No coordination between the Traffic Control and Roadway Design Sections is necessary. The locations of the temporary guardrail may be shown on the TCP's but is not necessary since it will be shown on the Roadway Plans.

2) Temporary guardrail may be needed to "stage construct" grade change areas and/or protect drop-offs created by construction operations or either protect drop-offs from existing conditions. In addition, any rigid object such as a bridge approach may be protected by temporary guardrail. The Traffic Control Section will identify these situations and "rough-in" the approximate locations. Once all locations are determined, the Traffic Control Section will communicate/coordinate these approximate locations with the Roadway Design Section.

The Roadway Design Section will then determine the lengths of need and provide the station locations by memo or email to the Traffic Control Section. The location/s for the temporary guardrail will be shown in plan view on the Traffic Control Plans. The existing specification for temporary guardrail will remain the same as shown in Section 862, Subsection 4 through 6.

The quantities to be calculated for the Contract will be performed by the Roadway Design Section and located in the Roadway Plans. The existing specification for temporary guardrail will remain the same as shown in Section 862, Subsection 4 through 6.