



South Carolina
Department of Transportation

P.O. Box 191
Columbia, S.C. 29202

Daniel P. Fanning, P.E.
Director

INSTRUCTIONAL BULLETIN NO. 94-17

SUBJECT: Critical Offset Steel Beam Guardrail (Thrie)

EFFECTIVE DATE: October 20, 1994

SUPERSEDES: New

RE: Special Drawing No. 805B

A special drawing on Thrie Beam Guardrail has been prepared that may be used at locations where the critical offset from roadside obstacles does not allow standard guardrail treatment. It will be necessary to place a copy of this drawing in the plans when required.

This is SPECIAL DRAWING NO. 805B and is located in the following CADD files:

Directory: /usr/bin/dp/stdmgr/special

File Name: SPEC805B.dgn

A copy of this drawing is attached.

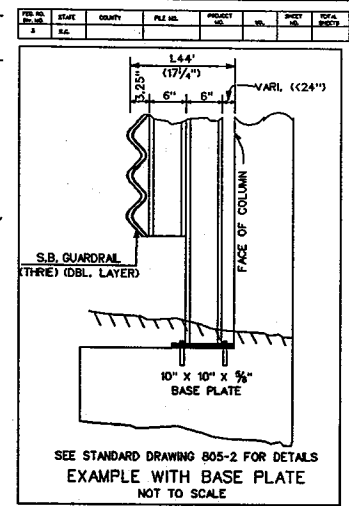
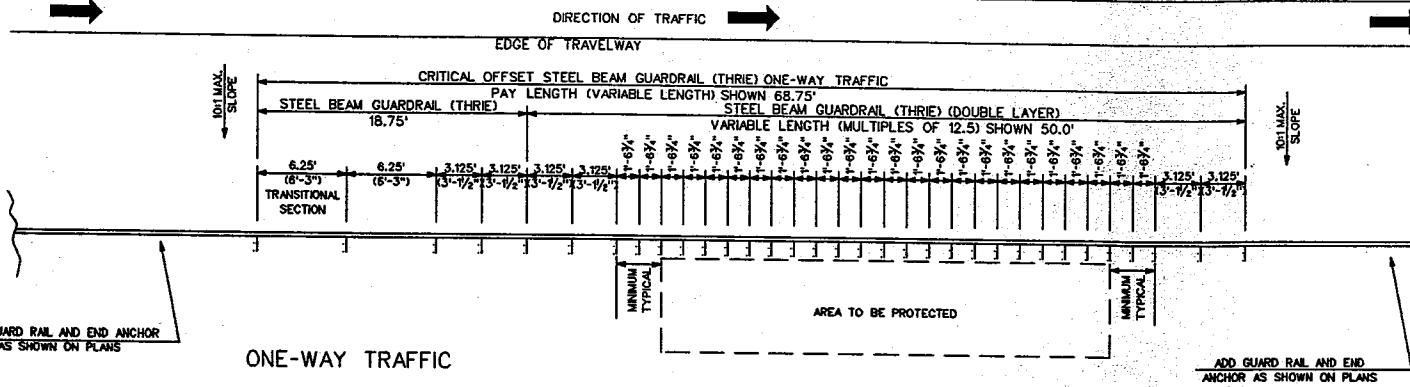
APPROVED:

A handwritten signature in black ink, appearing to read "E. S. Eargle", written over a horizontal line.

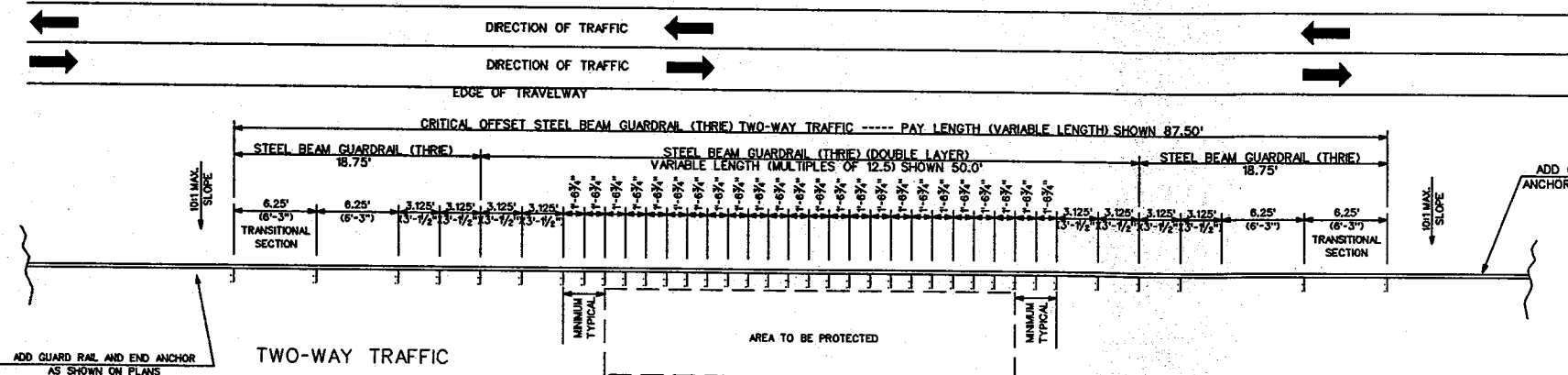
E. S. Eargle
Road Design Engineer

Attachment

SPEC805B



NOTE:
10:1 MAXIMUM DITCH SLOPE TO EXTEND THROUGHOUT AND 100 FT. BEYOND EACH END OF GUARDRAIL.



- NOTES:
1. THESE SPECIAL DESIGN GUARDRAIL SECTIONS ARE FOR USE IN AREAS WHERE THE DISTANCE BETWEEN THE BACK OF THE POST AND THE OBJECT OR AREA TO BE PROTECTED IS LESS THAN 24 INCHES.
 2. WHEN STANDARD LENGTH GUARDRAIL POST CANNOT BE USED IT MAY BE NECESSARY TO USE A METAL POST WITH BASE PLATE. ONLY ONE COMBINATION OF POST AND BLOCK MATERIAL SHALL BE USED FOR ANY ONE CONTINUOUS LENGTH OF GUARDRAIL EXCEPT WHEN REQUIRED FOR AN END ANCHOR.
 3. FIELD CUT GUARDRAIL AND FIELD DRILLED HOLES SHALL BE PROTECTED BY APPLYING TWO COATS OF 90% MINIMUM ZINC RICH COLD GALVANIZING COMPOUND.
 4. BACK-UP PLATES ARE TO BE DOUBLED IN AREA OF DOUBLE FACED GUARDRAIL.
 5. MEASUREMENT WILL BE LINEAR FEET OF PAY LENGTH NOTED ON THE PLANS. PAYMENT WILL BE FOR THE TRANSITION SECTIONS), THREE BEAM GUARDRAIL, DOUBLE FACED THREE BEAM GUARDRAIL, ALL HARDWARE, POSTS, BASE PLATES (AS NECESSARY), FIELD DRILLED HOLES, FIELD GALVANIZING, LABOR, AND EQUIPMENT NEEDED TO INSTALL THESE BID ITEMS IN ACCORDANCE WITH THE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 6. BID ITEM: CRITICAL OFFSET STEEL BEAM GUARDRAIL (THREE) ONE-WAY TRAFFIC ----(L.F.)
CRITICAL OFFSET STEEL BEAM GUARDRAIL (THREE) TWO-WAY TRAFFIC ----(L.F.)

REVISIONS		
DATE	REV. BY	DESCRIPTION
8/23/94	W.C.E.	STANDARD DRAWN

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
CRITICAL OFFSET STEEL BEAM GUARDRAIL (THREE) ONE-WAY AND TWO-WAY TRAFFIC	
SPECIAL DRAWING NO. 805B	
APPROVED BY:	DESIGNED BY:
ROAD ENGINEER - DESIGN	DATE
INT.	DATE