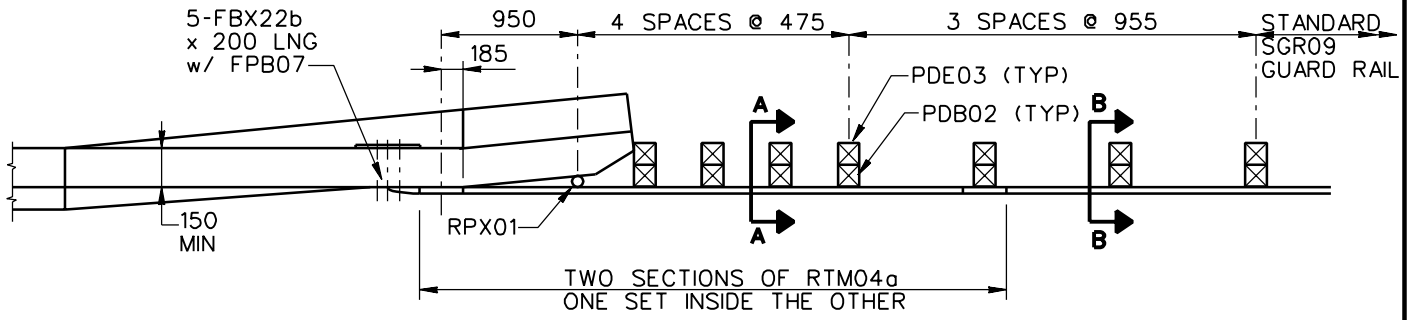
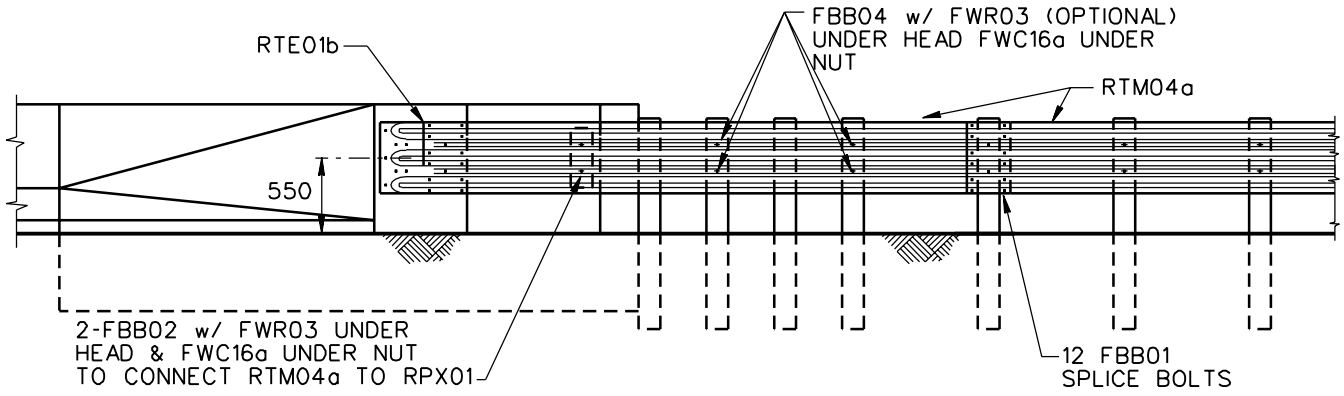
NESTED THRIE-BEAM TO FLARED WALL TRANSITION

1994



PLAN



ELEVATION

STB06

SHEET NO. 1 of 4

REF. NO.

INTENDED USE

This system can be used as a transition between any SGR09a-c guardrail and a vertical concrete bridge parapet. This design features a nested thrie beam. This system is shown in figure 5 in the 1988 FHWA Technical Advisory on crash tested guardrail-to-bridge railings transitions. This transition should only be used with bridge railings that are over 810-mm tall to prevent the top of the guardrail protruding above the bridge rail.

COMPONENTS

Unit Length = 7620

Designator	Component	Number
FBB01	Guardrail splice bolts and nuts	24
FBB02	Guardrail bolt and nut	2
FBB04	Guardrail bolt and nut	14
FBX22b	High-strength hex bolts and nuts(200mm)	5
FPB07	Terminal connector bearing plate	1
FWC16a	Washer	14
FWR03	Rectangular washer (optional)	10
PDB02	Timber blockout	7
PDE03	Timber guardail posts	7
RPX01	Collapsing tube	1
RTE01b	Thrie-beam terminal connector	1
RTM04a	4 spaced Thrie beam rail	3

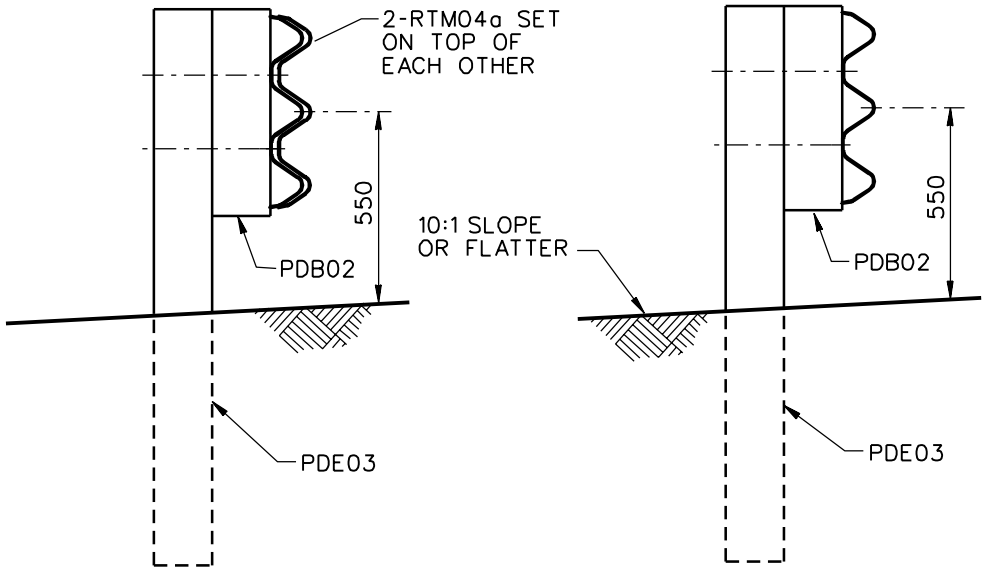
REFERENCES

FHWA, *Guardrail-Bridge Rail Transitions*, Federal Highway Administration Technical Advisory T 5040.26, January 28, 1988.

M.E. Bronstad, L.R. Calcote, M.H. Ray, and J.B. Mayer Jr., *Guardrail-Bridge Rail Transition Designs*, Federal Highway Administration, Report FHWA-RD-86-178, Washington, D.C., 1988.

NESTED THRIE-BEAM TO FLARED WALL TRANSITION

STB06



SECTION A-A

SECTION B-B

1994

NESTED THRIE-BEAM TO FLARED WALL TRANSITION

STB06

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NESTED THRIE-BEAM TO FLARED WALL TRANSITION

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SHEET NO.	DATE
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