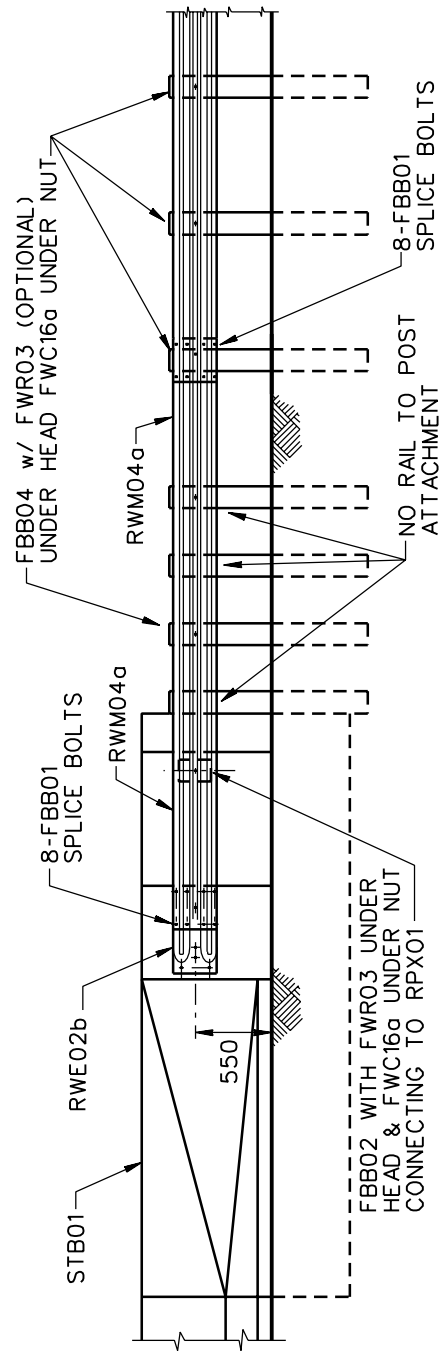


PLAN

TWO SECTIONS OF RWM04a
ONE SET INSIDE THE OTHER



ELEVATION

1994

W-BEAM TO FLARED CONCRETE WALL TRANSITION

STB02

SHEET NO.	REF. NO.
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INTENDED USE

This system can be used as a transition between any SGR04a-b guardrail and a flared-back concrete bridge parapet. This system features a nested W-beam rail used to gradually increase the stiffness as the bridge railing is approached. This system is shown in figure 3A (wood) and figure 3B (steel) in the 1988 FHWA Technical Advisory on crash tested guardrail-to-bridge railings transitions. When providing a transition between a 550-mm high guardrail and an existing 685-mm tall bridge rail the guardrail should be vertically transitioned down to ensure that the top of the guardrail does not protrude above the top of the bridge rail.

COMPONENTS

Unit Length = 7620

Designator	Component	Number
FBB01	Guardrail splice bolts and nuts	16
FBB02	Guardrail bolt and nut	1
FBB04	Guardrail-to-post bolts and nuts	7
FBX22b	High-strength hex bolt (200 mm) and nut	4
FPB02	Terminal connector bearing plate	1
FWC16a	Circular washer	8
FWR03	Rectangular washer (optional)	6
PDB01	Timber guardrail blockouts	7
PDE02	Timber guardrail posts	7
RPX01	Collapsing tube	1
RWE02b	W-beam terminal connector	1
RWM04a	4-space w-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.

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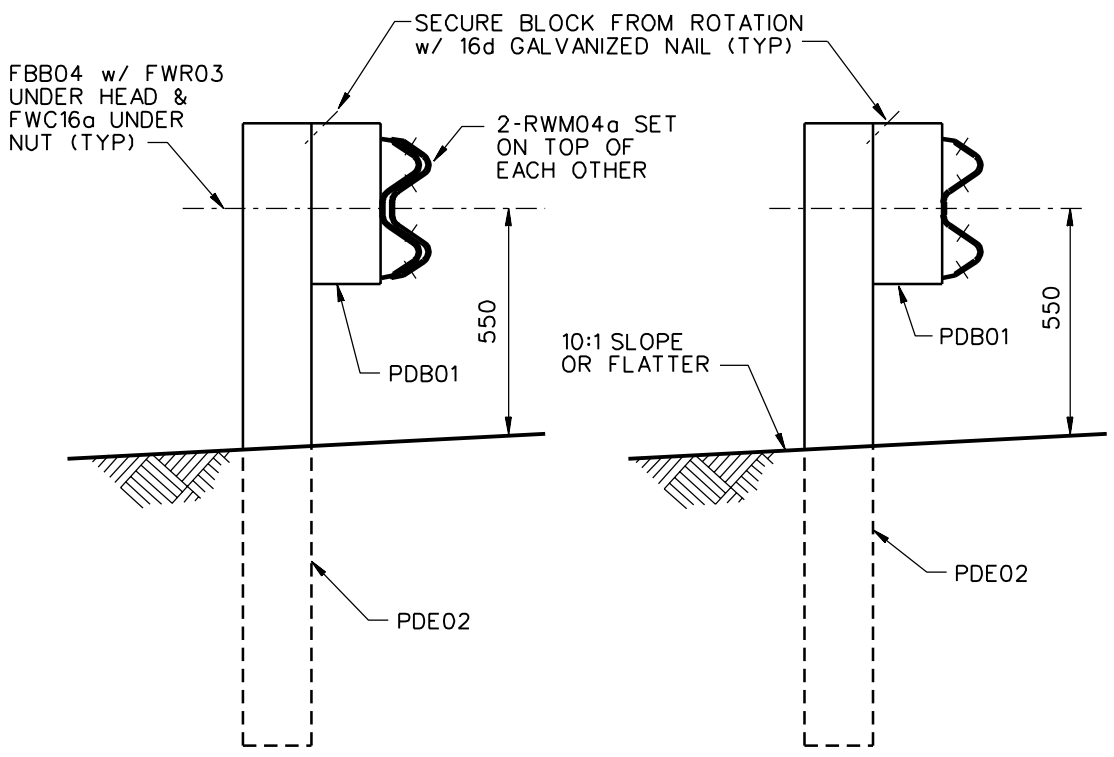
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03-05-06



NOTE: POST PWE01 AND BLOCKOUT PWB01 ARE ACCEPTABLE ALTERNATIVES FOR PDE02 & PDB01



SECTION A-A

SECTION B-B

1994

W-BEAM TO FLARED CONCRETE WALL TRANSITION

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