

NOTES:

Backfill wingwalls and retaining walls before barrier is placed.

All bridge rail concrete shall be Class D.

Longitudinal reinforcement shall stop at all expansion joints.

Bridge rail shall be constructed plumb.

See Std. M-606-1 and M-606-13 for Guard Rail Type 3 details and details of transition.

Concrete and reinforcing steel shall conform to the requirements of Sections 601 and 602. Payment will be made under Item 606, Bridge Rail Type 7.

The surface of the rail shall be tested with a 10 foot straight edge laid along the surface in the longitudinal direction. Deviation of the concrete surface from the straight edge shall be less than 1/4" plus allowance for roadway horizontal and vertical curvature, if any.

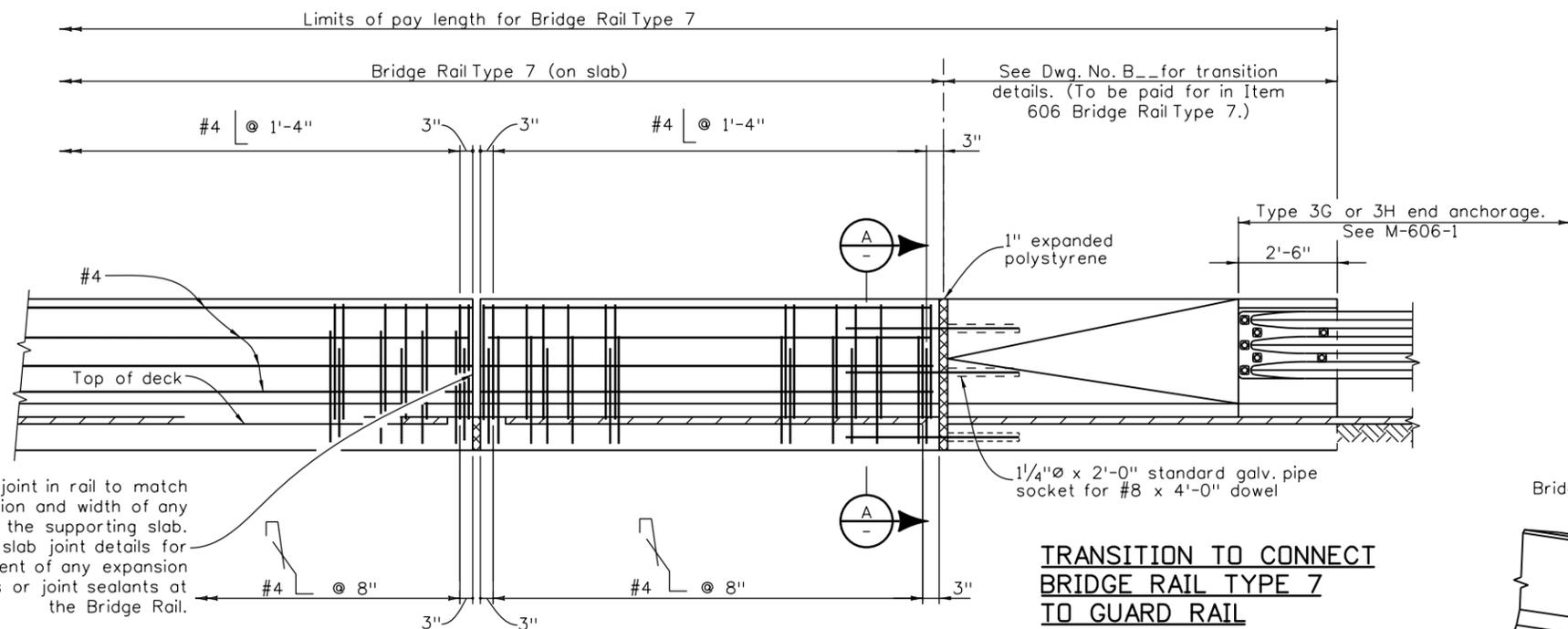
DESIGN DATA

Reinforced concrete:

Class D Concrete: $f'_c = 4,500$ psi
Reinforcing steel: $f_y = 60,000$ psi

INFORMATION ONLY

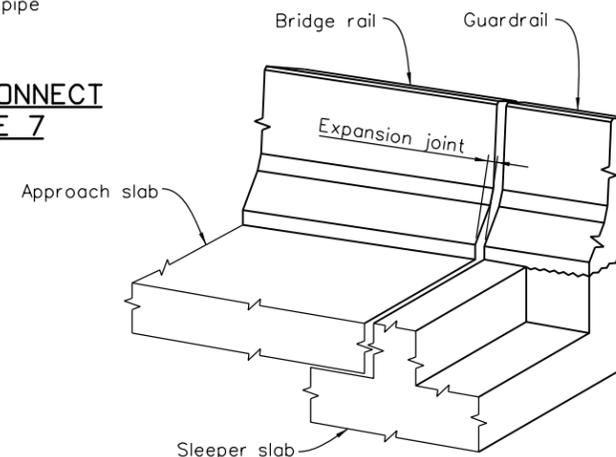
Description	Unit	Per Lin. Ft.
Concrete Class D	Cu. Yd.	0.12
Reinforcing Steel (Epoxy Coated)	Lb.	16.2



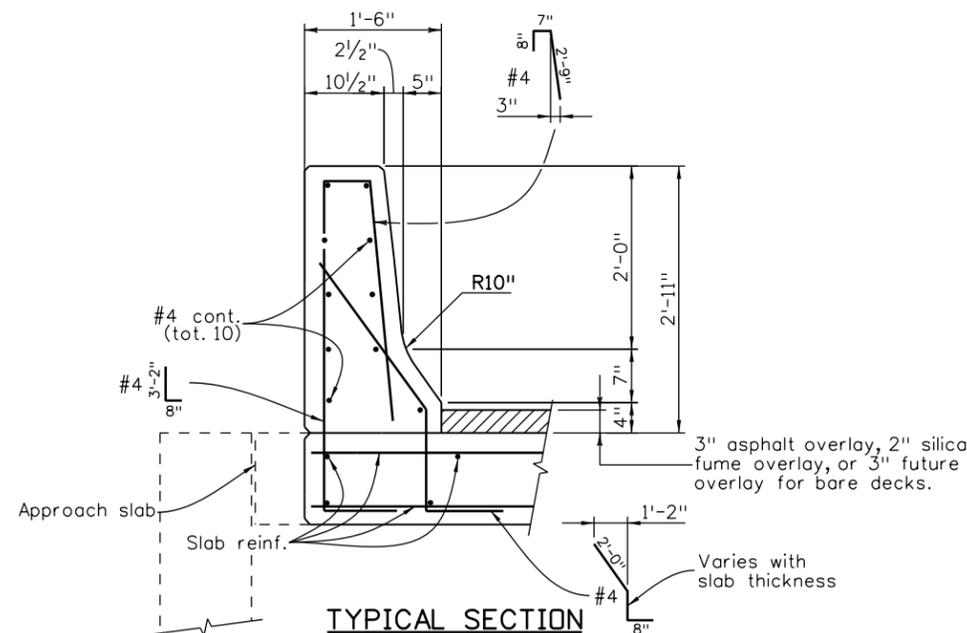
ELEVATION

TRANSITION TO CONNECT BRIDGE RAIL TYPE 7 TO GUARD RAIL

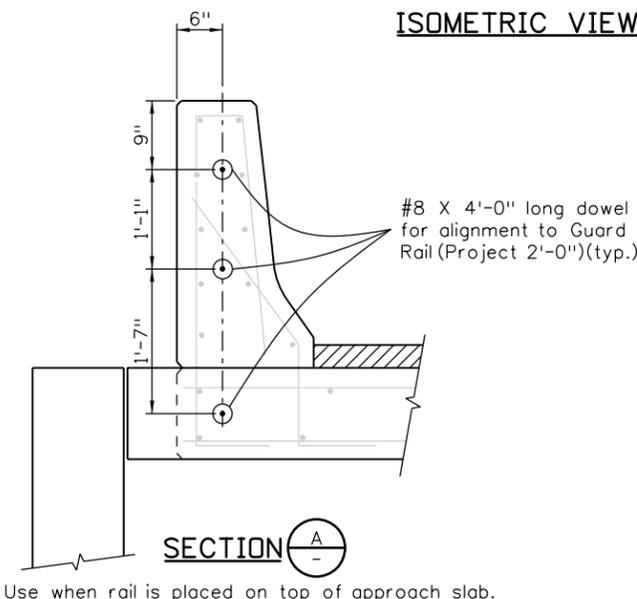
#8 dowels between bridge rail and guardrail are not required when the guardrail is placed on the sleeper slab.



ISOMETRIC VIEW



TYPICAL SECTION



SECTION A

Revision Dates	(Preliminary Stage Only)	10/13	3/07	4/02	5/01	5/00	3/99	11/99	10/98
10/98	3/99	11/99	5/00	5/01	4/02	3/07	10/13		

Design		Detail		Quantities	
DATE	INITIAL	DATE	INITIAL	DATE	INITIAL
MM/YY	XXX	MM/YY	XXX	MM/YY	XXX
Designed By	Checked By	Detailed By	Checked By	Quantities By	Checked By
XXX	XXX	XXX	XXX	XXX	XXX

Print Date: \$DATE\$

File Name: Sheet_B-606-7B.dgn

Horiz. Scale: NTS Vert. Scale: As Noted

Staff Bridge Branch - Unit 022X Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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Staff Bridge Branch Initials

As Constructed
No Revisions:
Revised:
Void:

BRIDGE RAIL TYPE 7 (W/GUARDRAIL TYPE 3)			
Designer:	XXXXXXXX	Structure Numbers	X-XX-XX
Detailer:	XXXXXXXX	Subset Sheets:	BXX of XXX
Sheet Subset:	BRIDGE		

Project No./Code
Project Number
Code
Sheet Number

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