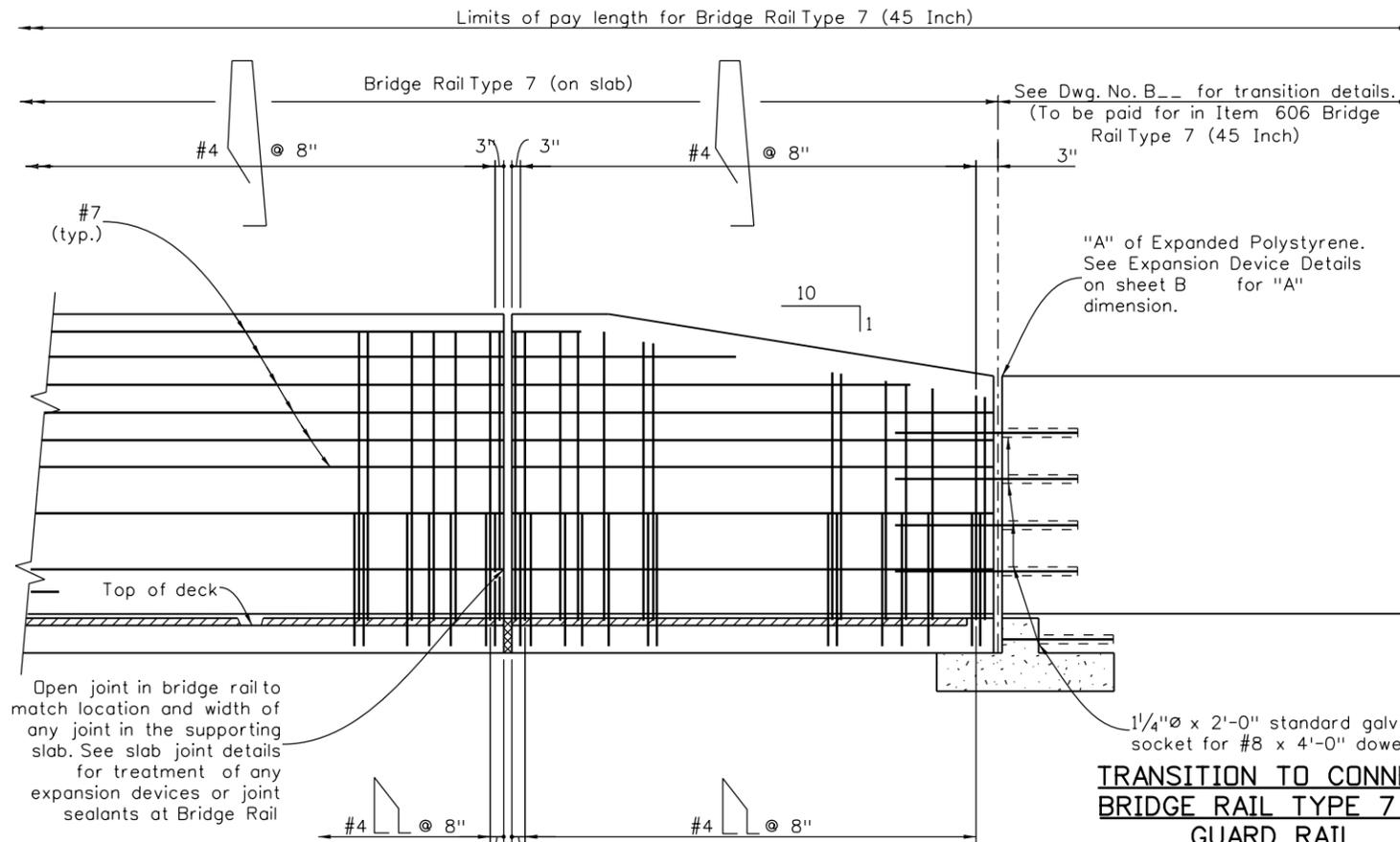
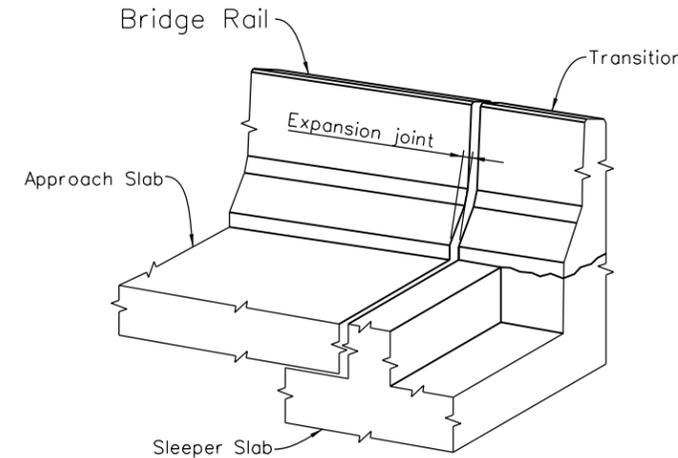


**B-606-745**

(Use with B-606-7T)  
(TL-4 Rail for use with B-607-778 over railroad)



**TRANSITION TO CONNECT BRIDGE RAIL TYPE 7 TO GUARD RAIL**



**ISOMETRIC VIEW**

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

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

**DESIGN DATA**

AASHTO LRFD Specifications  
Test Level 4 (TL-4)

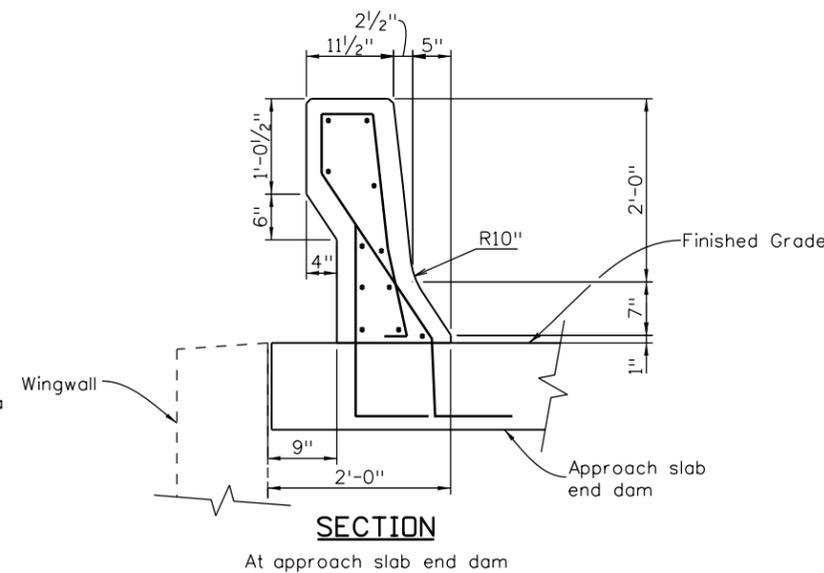
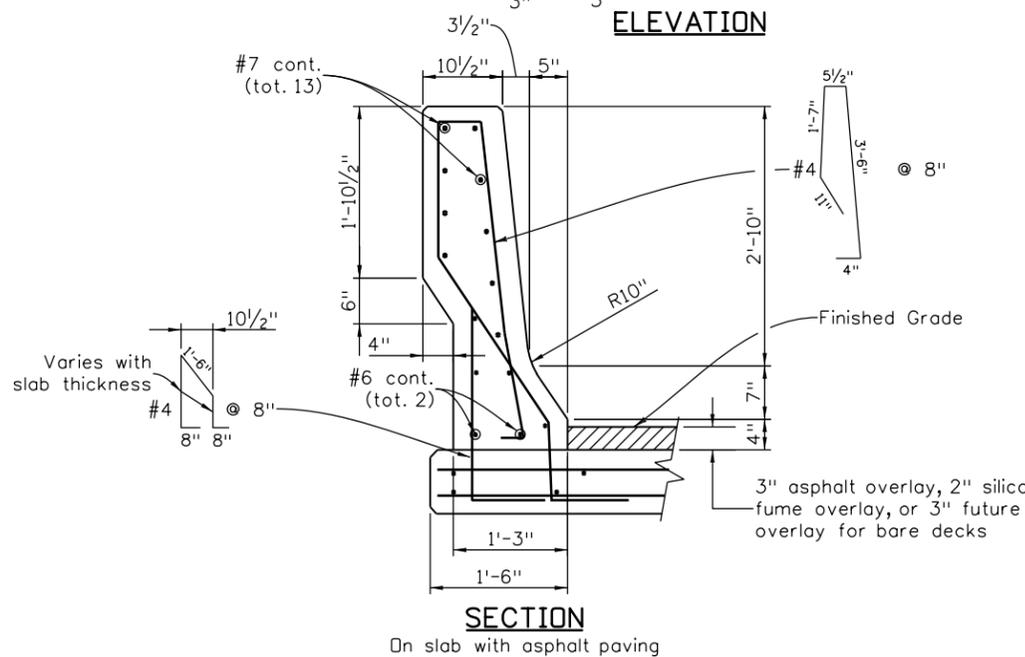
Class D Concrete:  $f'_c = 4,500$  psi  
Reinforcing Steel:  $f_y = 60,000$  psi

**INFORMATION ONLY**

Description	Unit	Per Lin. Ft.
Concrete Class D	CY	0.14
Reinforcing Steel (Epoxy Coated)	Lb	61.7

Revision Dates (Preliminary Stage Only)	
6/04	3/07
10/13	

Design		Detail		Quantities	
INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
XXX	MM/YY	XXX	MM/YY	XXX	MM/YY
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-606-745.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

4201 East Arkansas Avenue  
Room 107  
Denver, CO 80222  
Phone: 303-757-9309 FAX: 303-757-9197

Staff Bridge Branch      Initials

As Constructed
No Revisions:
Revised:
Void:

BRIDGE RAIL TYPE 7 (SPECIAL) (45 INCH)			
Designer: XXXXXXXX	Structure Numbers	X-XX-XX	Sheet Number
Detailer: XXXXXXXX	Subset Sheets: BXX of XXX	X-XX-XX	
Sheet Subset: BRIDGE			

Project No./Code
Project Number
Code
Sheet Number

0000