





- 4. Quantities shown are for information only. Barrier wall inlets (Index 218) shall be isolated from the barrier wall stem and footing by 1" expansion material.
- 5. All longitudinal reinforcement are No. 5 bars.
- 6. For additional information on Bars 5A, 5B, 5C and 5D, see BAR BENDING DIAGRAMS.







REINFORCED CONCRETE SHOULDER WALL

LAST	NC	DESCRIPTION:
REVISION	SI	
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2015 DESIGN STANDARDS

CONCRETE BARRIER WALL



MEDIAN BARRIER WALL FOR SUPERELEVATED SECTIONS WITH VARIABLE ROADWAY PROFILE GRADE LINES

CONCRETE	BARRIER	WAL

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1.	U
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2.	F

	F-SHAF	PE MEDI	AN BARRI	ER	
WHEN Y	IS LESS	THAN C	DR EQUAL	ТО 6	INCHES

CANTILEVER WALL

2'-0''

3'-0''

25'

2'-0''

3'-0''

22'

2'-6"

3'-3''

23'

2'-6"

3'-3"

21'

3'-0''

3'-3"

24'

3'-0"

3'-3"

22'

3'-6"

3'-6"

22'

3'-6"

3'-6"

21'

4'-0''

3'-6"

24'

4'-0''

3'-6"

24'

SUPERELEVATED SECTION

















1/2014 1:11:44











/29/2014 1:11:4



9/2014 1:11:47





QUA	NTITIES				
W2	Concrete CY/LF	Reinforcing Steel LBS/LF			
3'-3''	0.21	24			
3'-6"	0.22	24			

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5/29/2014







FOR USE WITH EITHER 1: 10 OR 1: 15 GUARDRAIL TRANSITIONS

STANDARD THRIE-BEAM OFFSET BLOCK (FIELD TRIMMED)

1. The affected segments between bent supports or pier columns shall be constructed in accordance with the detail for REINFORCED CONCRETE SHOULDER WALL, Section QQ, or Section TT. In cases where the barrier wall and slope pavement or other structure would occupy the same location, the wall and structure are to be modified

2. The barrier wall radial segments are intended for use on approach and trailing ends of both one-way and two-way facilities. The guardrail connections shown on this sheet apply to one-way approaches and to the approaching and trailing ends of two-lane twoway facilities. For Details on trailing ends of two-way multilane and one-way facilities, the end connection on W-Beam guardrail connection to concrete barrier wall trailing ends may be used.

For walls with normal offsets from hazards and their guardrail connections, see GUARDRAIL CONNECTION TO CONCRETE BARRIER WALL

3. Refer to Index No. 400 for additional guardrail information.

4. Attach thrie-beam terminal connector to shoulder barrier wall with a 21"x12"x%" thrie beam terminal connector plate and 5-%"x12" long HS hex bolts and nuts with $\frac{7}{8}$ " plain round washers under heads and nuts.

5. $12" \times 12" \times \frac{1}{4}"$ galvanized steel back-up plate with $\frac{5}{8}"$ post bolts (either 14" or 18" long) and nuts with %" plain round washers under nuts.

6. For details at Rigid Hazard, see HAZARD PENETRATION INTO STEM OF RIGID CONCRETE BARRIER WALLS.

7. For additional information on PLAN FOR DESIGN SPEED ≤ 45 MPH, see SHOULDER BARRIER WHEN OFFSET FROM ABOVE GROUND HAZARD < 1'-6" AND THE DESIGN SPEED \leq 45 MPH.

8. For additional information on PLAN FOR DESIGN SPEED \geq 50 MPH, see SHOULDER BARRIER WALL WHEN OFFSET FROM ABOVE GROUND HAZARD < 1'-6" AND THE DESIGN SPEED \geq 50 MPH.

9. See GUARDRAIL CONNECTION TO CONCRETE BARRIER WALL APPROACH ENDS For Post Spacing And Bolt Connections, Steel Or Timber Posts

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SHOULDER BARRIER WALL WHEN OFFSET FROM ABOVE GROUND HAZARD < 1'-6" AND DESIGN SPE

SION	DESCRIPTION:	2015	CONCORTE DADDIED WA
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LAST REVISION 07/01/14

$ED \ge 50 MPH$		
ALL	index no. 410	^{SHEET} NO. 22 of 25

1:11	
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