

NOTES: *(Include these notes with details shown on Dwg. No's. 3.8.1, 3.8.2 & 3.8.8 thru 3.8.10)*

1. PRECAST GUARDRAIL TRANSITION SHALL BE 5000 PSI, $\frac{3}{4}$ IN, 685 HP CEMENT CONCRETE.
2. GRAVEL BORROW SHALL BE PLACED AND THOROUGHLY COMPACTED TO THE GRADE OF 3" (MIN.) BELOW THE INTENDED BOTTOM OF THE PRECAST GUARDRAIL TRANSITION BASE AND TO A HEIGHT OF 2'-0" (MIN.) ON ALL SIDES OF THE TRANSITION BASE TO FORM A TRENCH IN WHICH TO SET THE TRANSITION. WHERE NO GRAVEL BORROW IS REQUIRED BELOW THE BASE, IT SHALL BE PLACED ON UNDISTURBED SOIL.
3. CONTRACTOR SHALL SET THE PRECAST GUARDRAIL TRANSITION TO THE REQUIRED ELEVATION AND ALIGNMENT, AND BACKFILL PRECAST GUARDRAIL TRANSITION WITH CONTROLLED DENSITY FILL (NON-EXCAVATABLE) TO THE ELEVATION SHOWN.

Add the following notes for splayed wingwalls only:

4. AFTER CONTROLLED DENSITY FILL (NON-EXCAVATABLE) HAS SET FILL THE GAPS BETWEEN GUARDRAIL TRANSITION AND BLOCK-OUT IN BACKWALL AND ABUTMENT WITH NON-SHRINK GROUT UP TO THE TOP OF BACKWALL.
5. THE REST OF REINFORCEMENT IS NOT SHOWN FOR CLARITY.

NOTES:

1. The height of the transition top is 2'-10" for S3-TL4 railing at safety curb and 3'-6" for S3-TL4 railing, CT-TL2, and CP-PL2 barriers at sidewalk.
2. Modify the shape of the transition top as required for CF-PL2 barrier.
3. The height of the transition top is 2'-11" for CF-PL2 barrier and 3'-9" for CT-TL2, CP-PL2 and CF-PL3 barriers.
4. This dimension is equal to 3'-6 $\frac{5}{8}$ " for CT-TL2 and CP-PL2 barriers at safety curb and 3'-6 $\frac{3}{8}$ " for CF barriers.
5. The chamfer is 2" for CT-TL2 and CP-PL2 barriers and 1" for CF barriers.



LRFD BRIDGE

MANUAL, PART II

CONSTRUCTION AND DESIGNER NOTES

PRECAST HIGHWAY GUARDRAIL TRANSITIONS

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