

Dimensions vary depending on superstructure. See abutment details for particular superstructure

Roadway surface

Approach Slab (See Dwg. No's. 3.1.12 thru 3.1.17)

CONST. JOINT

4" ϕ WEEP HOLES 10'-0" O.C. (JUST ABOVE FOOTING)

1 C.Y. CRUSHED STONE (TYP.)

BITUMINOUS DAMP-PROOFING

4000 PSI, $\frac{3}{4}$ IN, 610 CEM. CONC.

Striated Face (See Section 3.4)

#X @ X" EACH WAY (See Note 6)

PROPOSED SLOPE (See Note 4)

CEMENT CONCRETE

4000 PSI, $1\frac{1}{2}$ IN, 565

H (13'-6" Max., See Note 1)

2" CL. TO VALLEY

X (As req'd)

12"

12"

18"

3" CL. #5 @ 18" O.C. 3'-0" LONG

F = 0.15H (To nearest 6", 2'-0" Min.)

2/3 F (To next smaller 3")

CONST. JOINT

0.52 H (Min.) (To next larger 3")

12"x12"x2" SHEAR KEYS, 3'-0" O.C.

#X @ X" O.C., X'-X" LONG (See Note 7)

12"-0" Min.

12"

NOTES:

SCALE: $\frac{1}{4}" = 1'-0"$

1. Provide applicable pile/spread footing capacity notes from Dwg. No. 3.1.6.
2. If piles are required see relevant portions of Section 3.6.
3. All dimensions are for square sections.
4. Show appropriate slope treatment.
5. See Dwg. No. 3.1.6 for Construction Notes.
6. Provide required Temperature and Shrinkage Reinforcement as per Dwg. No. 3.1.3.
7. Match size and spacing of vertical bars in stem. Provide length of reinforcing bars as follows:

- for #4 and #5 bars - 2'-0"
- for #6 bars - 2'-6"
- for #7 bars - 2'-10"



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LRFD BRIDGE MANUAL, PART II

TYPICAL GRAVITY ABUTMENT SECTION

ABUTMENT DETAILS

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