

DETAILS OVER PIER NOTES:

(Include these Notes with details shown on Dwg. No.'s 6.5.7, 6.5.8, and 6.5.9)

1. ALL REINFORCEMENT SHOWN IN THESE DETAILS SHALL BE COATED.
2. ALL PIER DIAPHRAGM AND BEAM END ENCASEMENT CONCRETE SHALL BE 4000 PSI, $\frac{3}{4}$ IN, 585 HP CEMENT CONCRETE.
3. END KEEPER BLOCKS *(and intermediate keeper blocks, if any)* SHALL BE CAST BEFORE BEAMS ARE SET AND PIER DIAPHRAGM AND BEAM END ENCASEMENT ARE CAST.
4. CONTRACTOR MAY USE EXPANDED POLYSTYRENE FILLER OR A REMOVABLE FORM TO FORM THE BOTTOM OF THE BEAM END ENCASEMENT.
5. PLACE EXPANDED POLYSTYRENE FILLER UNDER THE BOTTOM FLANGE AT THE EDGE OF THE SHEAR KEY.
6. PRIOR TO PLACING PIER DIAPHRAGM CONCRETE, LINE ALL SURFACES OF THE SHEAR KEY WITH CLOSED CELL FOAM AS SHOWN. PIER DIAPHRAGM CONCRETE MAY NOT COME IN DIRECT CONTACT WITH THE PIER CAP CONCRETE MASONRY.
7. PROVIDE VENTING SLEEVES IN THE TOP FLANGE OF THE NEBT BEAMS AS SHOWN.
8. SLOPE SHEAR KEY DRAIN 5% MIN. TOWARDS FACE OF PIER CAP.
9. $\frac{3}{4}$ " $\emptyset$ THREADED INSERTS FOR #5 REINFORCING BARS SHALL BE CAST-IN-PLACE IN THE PRECAST BEAMS BY THE FABRICATOR AND SHALL PROVIDE A MINIMUM NOMINAL TENSILE RESISTANCE OF 17 KIPS AND A MINIMUM NOMINAL SHEAR RESISTANCE OF 17 KIPS IN 3000 PSI CONCRETE.

NOTES:

1. For NEBT 1000 use 1 dowel at midbeam,
For NEBT 1200 and NEBT 1400, use 2 dowels,
For NEBT 1600 and NEBT 1800, use 3 dowels equally spaced.
2. Dimension to be provided is equal to total thickness of bearing.
3. If the bearing exceeds 16" in diameter, set the 9" dimension to $(\text{Bearing Dia.})/2 + 1"$, and set the 10" dimension to $(\text{Bearing Dia.})/2 + 2"$.
4. The Designer shall ensure that at least 2" clear cover is maintained to the top of the deck at all locations.
5. Threaded inserts shall be used only on skewed bridges with a skew angle exceeding 10°. For all other bridges use 2" $\emptyset$ sleeves and #5 $\square$ bars as shown for typical interior bay.



LRFD BRIDGE

MANUAL, PART II

DETAILS OVER PIER NOTES FOR NEBT BEAMS

PIER DETAILS

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