GENERAL NOTES

These drawings provide information for the designer and are not intended for use as construction drawings. The project plans for each structure will show span lengths, roadway widths, skew, curve, and sur elevation, lift, lift, elevation, slab reinforcement details in plan and cross sections, estimated quantities, concrete sealant limits, seismic pedestal details, reinforcing steel list and other necessary details and special notes.

The details shown are typical for the average steel beam and shall be used for all beams. The beam shall be supported on piles, or other approved support, or on a pedestal. If the top surface of the deck is near the bridge seat elevation, these details will not apply.

For deep girders or elevated beams, the deck shall be supported on piles, or other approved support, or on a pedestal. If the top surface of the deck is near the bridge seat elevation, these details will not apply.

For additional information, see the project plans and specifications.

DESIGN DATA:

Concrete - Compressive Strength 4000 PSI (Minimum)
Reinforcing Steel - 6" 70.60 Grade 60, Winnow Yield Strength 60,600 PSI

SEISMIC PEDESTALS:


The designer shall determine if the standard end crossframes will clear the pedestals. If not, the crossframe layout shall be modified to clear the pedestals by plan details.

SECTION B-B

EXHIBIT 4: SHEET 5 OF 6 PROVIDES THE MAXIMUM ALLOWABLE SEISMIC LOAD PER PEDESTAL VERSUS PEDESTAL HEIGHT. DESIGN SEISMIC LOAD (SHOWN AS X IN TABLE A) SHALL BE CALCULATED AS 0.2 TIMES THE TOTAL FACTORED LOAD AT THE ABUTMENT (INCLUDING FUTURE WEARING SURFACE) DIVIDED BY THE COEFICIENT OF THE GAP VALUES. CALCULATED LOADS EXCEEDING THOSE SHOWN IN TABLE A WILL REQUIRE ADDITIONAL PEDESTALS. THE MAXIMUM RESISTANCE PROVIDED IN ONE DIRECTION BY MULTIPLE PEDESTALS IS EQUAL TO THE SUM OF THE INDIVIDUAL CAPACITIES OF EACH PEDESTAL IN THE SAME DIRECTION.

A MINIMUM OF TWO PEDESTALS ARE ALWAYS REQUIRED AND SHALL BE PLACED ON THE INSIDE OF EACH FACIA BEAM. ANY ADDITIONAL PEDESTALS SHALL BE PLACED IN PAIRS IN ORDER TO RESIST LATERAL LOADS IN BOTH DIRECTIONS. ADDITIONAL PEDESTALS WHEN CONSTRUCTION SHOWN NOT TO BE USED.

PEDESTALS ARE REQUIRED FOR ALL BEARING TYPES, BOTH EXPANSION AND FIXED, UNLESS THE BEARINGS, ITS INDIVIDUAL COMPONENTS AND ITS ATTACHMENT TO BOTH THE SUBSTRUCTURE AND SUBSTRATE ARE SPECIFICALLY DESIGNED FOR THE SEISMIC LOAD.

The designer shall determine if the standard end crossframes will clear the pedestals. If not, the crossframe layout shall be modified to clear the pedestals by plan details.