NOTES

The structural concrete anchor assembly shall consist of the following components:

A. Bolts shall be made from steel meeting the requirements of ASTM A307, Grade 2B, and shall have a minimum length of threads of 2" for 3/4"-20 bolts.

B. When used with shear bolts, the minimum required length of threads shall be equal to the length of the shear bolt, but not less than 2".

C. Bolts shall be hot-dipped galvanized to conform to requirements of AASHTO M111.

The structural concrete anchor assembly shall be used to anchor structural members, such as girders or columns, in place of metal rail anchor assemblies.

The contractor may use adhesively anchored anchor bolts in place of the metal rail anchor assembly. Level one field testing is required, and the yield load of the bolt shall be verified by testing. Adhesively anchored anchor bolts shall be made from stainless steel meeting the requirements of ASTM A240, Grade 304, and shall be hot-dipped galvanized to conform to requirements of AASHTO M111.

Shims shall be made from steel meeting the requirements of ASTM A572, Grade 50, and shall be cut along the permitted cutline or slotted to edge of plate to facilitate placement.

The metal rail anchor assemblies to be made of steel meeting the requirements of ASTM A516, Grade 70, and shall be hot-dipped galvanized to conform to requirements of AASHTO M111.

Bolts to be tightened one-half turn with a wrench from a finger-tight position.

The structural concrete anchor assembly shall be included in the price for linear feet of metal rail.