

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Notes

Hatch area indicates Bearing removal. See Special Provision for Jack and Remove Existing Bearings. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the arade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Two ^I₈ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

The Contractor is to verify the existing dimensions prior to fabricating the steel extensions. It is intended to keep the existing beams at their current elevation. Existing bearing dimensions shown are copied from the original plans. Side retainers, Fasteners and other steel members

required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

Fasteners shall be AASHTO M164 Type 1, mechanically aalvanized bolts.

Cost of steel extensions and connection bolts is

included with Furnishing and Erecting Structural Steel. The abutment bearings shall be in place and the jacks lowered before the new concrete deck is poured at the abutments.

Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included with

Furnishing and Erecting Structural Steel. If web stiffeners are not present directly over the jack location, hardwood timbers shall be installed tightly between top and bottom flanges to prevent rotation.

Anchor bolts for Type II bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

The l_{8} " PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ¹₈" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



BELOW 50°F. (Move bott. brg. away from fixed brg.) (Move bott. brg. toward fixed brg.)





STA. 410+18.00 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT