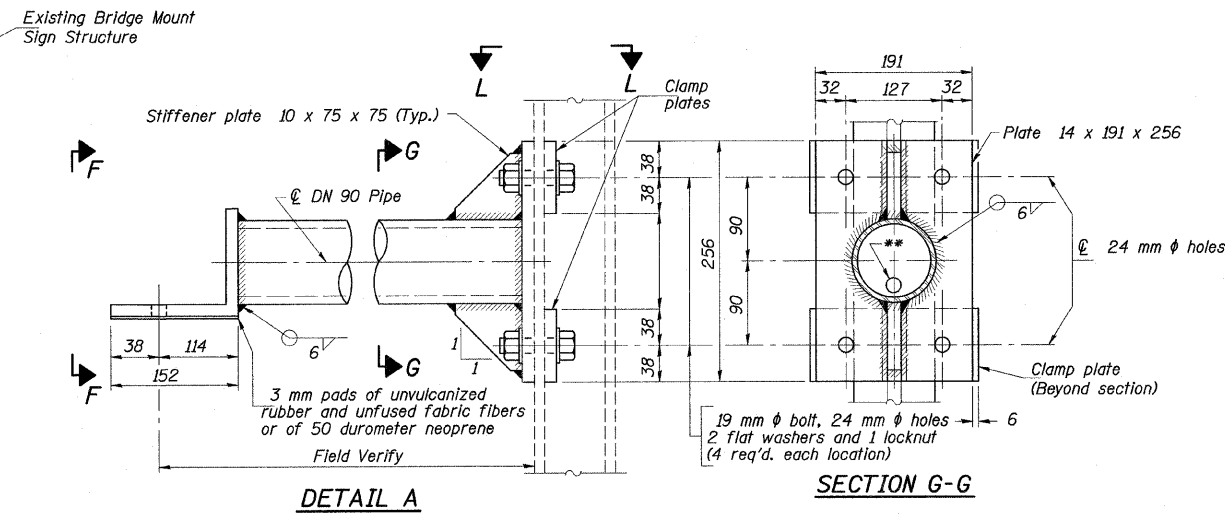
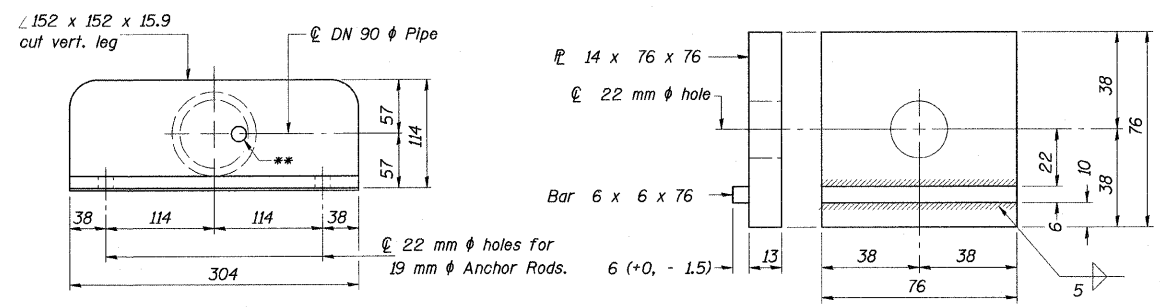


SECTION A-A
Details for New Upper Bracket for existing sign structure



DETAIL A

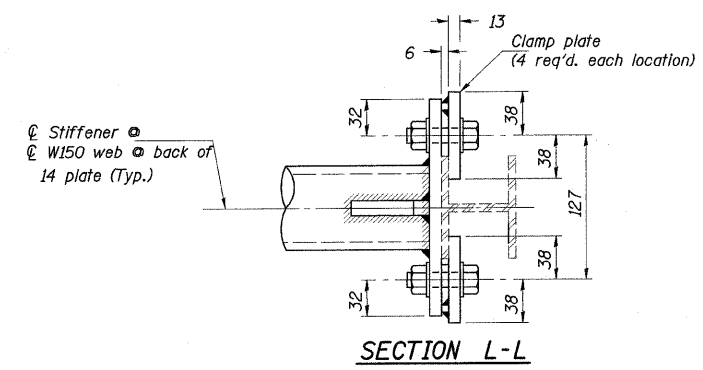
SECTION G-G



VIEW F-F

CLAMP PLATE DETAILS

** 21 mm Ø holes for galvanizing. After galvanizing, install M22, A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in 14 mm plate.)



SECTION L-L

BRIDGE MOUNT SIGN STRUCTURE UPPER BRACKET DETAILS

NOTES:

- Existing bridge mounted signs and support systems shall be removed and protected by the Contractor and reinstalled after completion of the new bridge deck and parapet. Any mounting, hardware or brackets damaged during removal, storage and re-erection shall be replaced at no additional cost. Cost for removing, storing and re-erection bridge mounted signs as well as modification to the support brackets or mounting hardware to mount on the new parapets shall be paid for as "Remove, Store and Re-Erect Overhead Sign Structure - Bridge Mounted." Contractor shall coordinate the work with bridge fence railing. Refer to Sheet S11 of S23 for additional information.
- The Contractor is responsible for field verifying the required bracket length and fabricating a bracket extension, as required for Re-Erecting the existing Bridge Mounted signs. Payment will be included in the item "Remove, Store and Re-Erect Overhead Sign Structure-Bridge Mounted." The field verifications shall consider the existing lower bracket and bridge dimensions.
- Contractor shall field check all pertinent existing dimensions before submitting shop drawings.
- Contractor must install upper brackets prior to fence installation.
- All welds to be continuous unless otherwise shown. All welding to be done in accordance with AWS D1.1 Structural Welding Code (Steel) and Standard Specifications.
- All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.
- All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223, Gr. 50).
- All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.
- All Steel Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.
- Anchor rods shall be all-threaded rod conforming to ASTM A307, 3/4" Ø x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

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ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00095

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
115 TH. STREET OVER FAI 57
FAU RTE. 1584 SEC. 068-1919.2-CF
COOK COUNTY
STATION 2+382.915
STRUCTURE NO. 016-2037
BRIDGE MOUNT SIGN STRUCTURE CONNECTION DETAILS
DRAWN BY BRH
CHECKED BY JMH
DATE: JANUARY 16, 2009