

INTEROFFICE MEMORANDUM

DATE: May 5, 1988

TO: BRIDGE DESIGN PERSONNEL

FROM: Frank Harrison, Asst. Bridge Engineer

SUBJECT: Shop Prints for Compression Seal
Expansion Joints

The Arkansas Foundry Company has experienced problems in obtaining all of the various sizes in A36 and A588 for the bumper plate/seal stop on our W-beam expansion joint. We have agreed to the following as a solution which will serve our purposes and relieve their problem.

- 1) A 3/8" x 1" plate each side will be used as a combination bumper plate and seal stop on 1", 1-1/8", and 1-1/4" joints.
- 2) On joints larger than 1-1/4", a 3/8" x 1" plate each side will be used as a seal stop only. In addition, a 2"x 10" plate will be placed on one or both channels at the beam locations as a bumper plate. The thickness of the one or two plates will match the total required on Drawing No. 14990H. Multiple plates may not be stacked on one channel. The plate will be placed as close as possible to the beam flange level with the 2" dimension vertical.
- 3) All plates will be A588, and will be painted if the beams are painted.