



SOUTH CAROLINA

DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

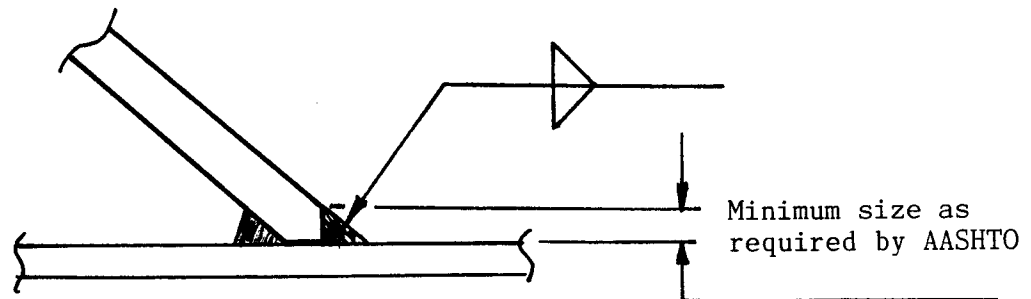
P.O. BOX 191
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February 13, 1990

MEMORANDUM TO DESIGN GROUP LEADERS

Subject: Welding of Skewed Connection Plates

The ANSI/AASHTO/AWS D1.5 Bridge Welding Code does not provide a fillet weld connection of a Tee joint when the connection plate is skewed more than 30 degrees from perpendicular. The use of a full penetration weld at this location results in warping and distortion of the web and the connection plate. In order to avoid this problem the fillet weld detail as shown below should be used for connection plate to web welds when skew is in excess of 30 degrees.



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Bridge Design Engineer

cc:
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