

INTEROFFICE MEMORANDUM

DATE: September 28, 1976

TO: BRIDGE DESIGN PERSONNEL
FROM: Veral Pinkerton, Bridge Engineer
SUBJECT: Live Load Deflection

A distribution factor of $\frac{S}{7.0}$ may be used for calculating live load deflection for steel I-beam and plate girder spans unless a sidewalk is present. If a sidewalk is present the distribution factor contained in the specifications shall be used.

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With the use of these higher distribution factors it will be necessary to only consider the load contributing to the 1/1000 criteria of the code to be that of the truck on the span. That of the max. sidewalk load will not be used in the limiting of 1/1000. The reason for this is that the sidewalk load will be applied gradually and should not of any notice to pedestrians on the bridge. See Section 10.6.7 of the Code