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MEMORANDUM

TO: ALL BRIDGE DESIGNERS

FROM: HOSSEIN GHARA, P.E.
BRIDGE DESIGN ADMINISTRATOR

SUBJECT: BRIDGE DESIGN TECHNICAL MEMORANDUM NO. 14 (BDTM.14)
FRICTION CONNECTION CLARIFICATION

DATE: May 3, 2010

As a point of clarification, the LA DOTD Bridge Design Manual, Fourth English Edition, Page 5(79) Note 12 phrase "condition A" shall be taken as "Class A". This is to clarify that friction connections shall be designed for a friction coefficient of 0.33. This corresponds to a Class A "surface condition factor" of 0.33 in accordance with AASHTO LRFD, 4th Edition Table 6.13.2.8-3.

The reason for this clarification is to prevent designing connections for the higher friction coefficient of 0.50 required by the Standard Specifications Subsection 807.21(e)(1). Designing for the 0.50 value will render a connection with reduced slip capacity should conditions change during construction or during the life of the structure.

This technical memorandum will be posted on the Bridge Design Website: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Bridge_Design/Pages/Technical-Memoranda.aspx

Please contact Ms. ZhengZheng "Jenny" Fu (225-379-1321, ZhengZheng.Fu@la.gov) if you have any questions or comments.

HG/zzf