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MEMORANDUM

TO: ALL CONSULTANTS
ALL BRIDGE DESIGNERS/RATERS

FROM: ZHENGZHENG "JENNY" FU, P.E. *ZFF*
BRIDGE DESIGN ENGINEER ADMINISTRATOR

SUBJECT: BRIDGE DESIGN TECHNICAL MEMORANDUM NO. 88 (BDTM.88)
NEW BRIDGE RAILINGS DUE TO BRIDGE WIDENING

DATE: MARCH 12, 2020

Effective immediately, the Bridge Design and Evaluation Manual (BDEM), Part I, Chapter 6, Section 6.3, first sentence and bullet number 10 are revised to read as follows:

For the design of widened bridges, adhere to the following criteria:

10. Bridge railing replacement policy for bridge widening shall be as follows:

On bridge sides requiring removal and replacement of concrete to widen the bridge, use the 36" Single Slope bridge railing (barrier) in accordance with DOTD standard details meeting MASH Test Level 4 (TL-4).

On bridge sides not requiring removal and replacement of concrete to widen the bridge, replace existing railings that do not meet NCHRP 350 TL-4 or MASH TL-4 with the 36" Single Slope bridge railing (barrier) in accordance with DOTD standard details meeting MASH TL-4. Evaluate the existing superstructure with the new railing and replace or rehabilitate as needed to meet the design requirements of AASHTO.

This technical memorandum is posted on the LA DOTD Website under [Inside La DOTD > Divisions - Engineering > Bridge Design > Technical Memoranda - BDTMs.](#)

Please contact Kelly Kemp (225-379-1809, kelly.kemp@la.gov) if you have questions or comments.

ZZF/kmk

Cc: Chris Knotts (Chief Engineer)
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