




Office of Engineering
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 Section 25 Bridge and Structural Design
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 Sherri H. LeBas, P.E., Secretary

MEMORANDUM

TO: ALL CONSULTANTS
 ALL DOTD DESIGNERS
 ALL DOTD CONSTRUCTION AND MAINTENANCE STAFF

FROM: PAUL FOSSIER, P.E. 
 BRIDGE DESIGN ENGINEER ADMINISTRATOR

SUBJECT: BRIDGE DESIGN TECHNICAL MEMORANDUM NO. 56 (BDTM.56)
 REVISIONS TO GUARDRAIL STANDARD PLANS GR-200 & GR-203, AND
 BRIDGE BARRIER SPECIAL DETAILS BR-01 & BR-02

DATE: AUGUST 10, 2015

The GR-200 and GR-203 guardrail standard plans and BR-01 and BR-02 bridge barrier special details have been revised and shall be implemented for all projects with a letting date of November 2015 or later. For projects where this revision may result in a change to the schedule or cost of the project, the bridge task manager shall obtain prior approval from the Bridge Design Engineer Administrator.

The following revisions have been made:

Sheet	Revisions
GR-200, Sht 1 of 10	Added note 17 for approved materials list for guardrail end treatments. Revised pay item list (removed BCT anchor section, removed special anchor section, added new 12'-6" test level 2 (TL-2) generic end treatment.)
GR-200, Sht 2 of 10	Revised a few values in Tables 1, 2, 3 and 4 to meet current AASHTO Roadside Design Guide. Added shy line dimension to note 2.
GR-200, Sht 3 of 10	Revised guardrail height to 28". Revised concrete curb detail for guardrail transition.
GR-200, Sht 4 of 10	Revised guardrail height to 28".
GR-200, Sht 5 of 10	No changes.
GR-200, Sht 6 of 10	T-intersection: Revised desired detail, removed minimum layout detail, removed special anchor section, revised notes associated with these changes.
GR-200, Sht 7 of 10	Revised notes to remove "BCT" end treatment and "special anchor" end treatment section.
GR-200, Sht 8 of 10	No changes.
GR-200, Sht 9 of 10	Revised notes to remove "BCT" end treatment and "special anchor" end treatment section.
GR-200, Sht 10 of 10	No changes.
GR-203 A	Revised title name to GR-203. Added test level 2 (TL-2) 12'-6" generic end treatment for lower classification roadways. Added tangent guardrail embankment detail. Removed turndown detail. Revised flared embankment detail. Revised guardrail height to 28".
GR-203 B	Eliminated sheet.

Due to the increase in required guardrail height from 27” to 28”, revisions have been made to the bridge barrier railing special details to accommodate the bolted connection of the guardrail to the barrier rail.

Sheet	Revisions
BR-01	Double-dimensioned "Guard Rail Connection Detail" to allow for new 28" high guard rail
BR-02	Double-dimensioned "Guard Rail Connection Detail" to allow for new 28" high guard rail

Please note the revision to the curb length from 10’-0” long to 13’-6” for approach slabs of 20’ length or greater, as shown on sheet 3 of GR-200, and on sheet 6 of the Approach Slab Common Details (soon to be published.) Ten foot (10’) long Off-System bridge approach slabs shall continue to use the current 10’ long curb detail. For projects in the final plan stage that will use the new guard rail standards, but will not incorporate the new Approach Slab details, the curb details must be revised and stamped by the engineer of record.

A technical memorandum will be issued along with the publication of the new approach slab details. This will address the new concrete curb requirements for the guardrail transition to the bridge barrier railing.

This technical memorandum is posted on the LA DOTD Website under [Inside La DOTD > Divisions-Engineering > Bridge Design > Technical Memoranda-BDTMs](#). Please contact Ms. Zhengzheng “Jenny” Fu (225-379-1321, zhengzheng.fu@la.gov), if you have any questions or comments.

PF/pf/zzf

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