

## Memorandum

*Serious drought.  
Help save water!*

**To:** TIMOTHY CRAGGS, Chief, Division of Design  
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**Date:** July 28, 2016

**From:** THOMAS A. OSTROM  
State Bridge Engineer  
Division of Engineering Services

*Shannon  
for Post*

**Subject:** NEW BRIDGE RAILING WITH A SIDEWALK: CONCRETE BARRIER TYPE 732SW

The following new *Bridge Standard Details Sheets (XS)* for a bridge railing with a sidewalk, along with a *User Guide*, were posted on July 15, 2016 at

<http://www.dot.ca.gov/des/techpubs/bsds.html>

XS16-110-1 Concrete Barrier Type 732SW – Details No. 1

XS16-110-2 Concrete Barrier Type 732SW - Details No. 2

Concrete Barrier Type 732SW replaces RSP B11-54, Concrete Barrier Type 26. It is approved for MASH Test Level 2 per FHWA Letter of Eligibility B-259, dated May 6, 2016. It can be used in low speed locations only, where the posted speed limit is less than or equal to 45 mph. For posted speeds greater than 45mph, pedestrians shall be protected by a separation traffic barrier, per *Highway Design Manual 208.10*.

Concrete Barrier Type 732 is compliant with *Highway Design Manual, 208.4 Bridge Sidewalks*, which states that the minimum width of a bridge sidewalk shall be 6 feet.

<http://www.dot.ca.gov/hq/oppd/hdm/pdf/english/chp0200.pdf>

For all projects proposing the use of Concrete Barrier Type 26 where the PS&E has not been finalized, Concrete Barrier Type 732SW shall be incorporated unless this would impose a significant delay in the project schedule.

For projects in construction, it is recommended that Concrete Barrier Type 732SW be incorporated by contract change order for all bridges where the deck has not been placed.

Concrete Barrier Type 732SW will become a 2015 Revised Standard Plan at the next posting date at which time RSP B11-54, Concrete Barrier Type 26, will be cancelled. The *Highway Design Manual* will be updated to reflect this change.

For questions, please contact Tillat Satter at 916-227-8676.

c: DES Deputies  
DES Bridge Design Office Chiefs  
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