State of California
DEPARTMENT OF TRANSPORTATION

California State Transportation Agency

Memorandum

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To: ALL USERS OF THE BRIDGE STANDARD DETAILS SHEETS (XS)

Date: January 15, 2015

File: **http://www.dot.ca.gov/hq/esc/techpubs/**

From: SHANNON POST, Chief
Office of Design and Technical Services
Structure Policy and Innovation
Division of Engineering Services

Subject: **BRIDGE STANDARD DETAIL SHEETS (XS) – OCTOBER 2014 POSTING**

We are pleased to announce the January 2015 posting to the Bridge Standards Detail Sheets (XS) webpage. The next posting is April 2015.

Summary Table:

Number of Sheets	Type of Revision
8	Minor Revisions
8	Major Revisions
0	New Sheet
3	Archive
1	No Change

Attached is a detailed description of the revisions to each sheet.

The Division of Engineering Services develops and maintains XS Sheets. The detail sheets are intended to be inserted directly into either the District PS&E package or the Structure PS&E package. The details are "Project Plans" for contract administration purposes in accordance with Section 5-1.02 "Contract Components", of the Standard Specifications.

The XS Sheets can be found at:
http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

Send general questions regarding the usage of XS sheets to "DES Design and Technical Services @ dot.ca.gov". Send technical questions to the applicable Technical Specialist or Technical Committee Manager.

Attachment
(1) Summary of Revisions to Bridge Standard Detail Sheets (XS) January 2015.

Attachment: Summary of Revisions to Bridge Standard Detail Sheets (XS)
January 2015

XS Sheet Number	XS Sheet Title	Previous Approval	Type of Revision	Summary of Revisions
Section 3	**BRIDGE STRUCTURE APPROACHES**			
xs3-010-1	Structure Approach Type N (45D) Details No. 1	July 2011	Archive	
xs3-010-2	Structure Approach Type N (45D) Details No. 2	July 2011	Archive	
xs3-110	Structure Approach Drainage Details	July 2011	Major Revisions	Major detailing clarifications
xs3-120	Structure Approach Type N (30S)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications
xs3-130	Structure Approach Type R (30S)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications
xs3-140	Structure Approach Type N (30D)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications
xs3-150	Structure Approach Type R (30D)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications
xs3-160	Structure Approach Type EQ (10)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications
xs3-170	Structure Approach Type R (10S)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications
xs3-180	Structure Approach Type R (10D)	July 2011	Major Revisions	1. Updated to AASHTO LRFD Bridge Design Specifications, 2012 Edition with California Amendments, preface dated January 2014 2. Detailing corrections and clarifications

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January 2015

XS Sheet Number	XS Sheet Title	Previous Approval	Type of Revision	Summary of Revisions
Section 10	**BRIDGE DECK DRAINS**			
xs10-010	Deck Drain - Type C	July 2011	No Change	No changes, certification updated
xs10-020	Deck Drain - Type D-2 Modified	July 2011	Archive	
Section 16	**BARRIERS AND RAILINGS**			
xs16-120-1	California ST-20S Bridge Rail, Details No. 1	July 2014	Minor Revisions	Moved Section A-A from the Details No. 1 sheet to Details No. 3 sheet to be with the rest of the Rail Connection Details for the same location Revised details and detail call outs to improve constructability and clarity Updated some call outs on the details to be in conformance with current detailing standards.
xs16-120-2	California ST-20S Bridge Rail, Details No. 2	July 2014	Minor Revisions	Revised details and detail call outs to improve constructability, clarity, and to match similar formats on other Caltrans post-and-beam bridge rail Standard Plans.
xs16-120-3	California ST-20S Bridge Rail, Details No. 3	July 2014	Minor Revisions	Revised details and detail call outs to improve constructability, clarity, and fix grammatical errors.
xs16-120-4	California ST-20S Bridge Rail, Details No. 4	July 2014	Minor Revisions	Updated some call outs and font sizes on the details to be in conformance with current detailing standards. Minor revision to bolt lengths in the splice details to conform with lengths shown on similar Standard Plan sheet for ST-10 bridge railing.
xs16-130-1	California ST-70 Bridge Rail, Details No. 1	July 2014	Minor Revisions	Revised details and detail call outs to imporve constructability and clarity. Updated some call outs on the details to be in conformance with current detailing standards.
xs16-130-2	California ST-70 Bridge Rail, Details No. 2	July 2014	Minor Revisions	Revised details and detail call outs to improve constructability, clarity, and to match similar formats on other Caltrans post-and-beam bridge rail Standard Plans.
xs16-130-3	California ST-70 Bridge Rail, Details No. 3	July 2014	Minor Revisions	Revised details and detail call outs to improve constructability, clarity, and fix grammatical errors.

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January 2015

XS Sheet Number	XS Sheet Title	Previous Approval	Type of Revision	Summary of Revisions
xs16-130-4	California ST-70 Bridge Rail, Details No. 4	July 2014	Minor Revisions	Updated some call outs and font sizes on the details to be in conformance with current detailing standards. Minor revisions to bolt lengths in the splice details to conform with lengths shown on similar Standard Plan sheet for ST-10 bridge rail.