This section provides guidance for applying specific Standard Road Plans to a project. This information is not a part of the construction contract and is not readily available to contractors. If any of this information needs to be conveyed to contractors, the designer should include it in the plan or request a revision to the Standard Road Plan.

**Standard Section**

<table>
<thead>
<tr>
<th>BA-100s</th>
<th>EC-201</th>
<th>EW-502</th>
<th>PV-106</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA-200s</td>
<td>EC-202</td>
<td>LI-130</td>
<td>PV-204</td>
</tr>
<tr>
<td>BA-300s</td>
<td>EC-204</td>
<td>LS-600s</td>
<td>PV-418</td>
</tr>
<tr>
<td>BA-500</td>
<td>EC-301</td>
<td>MI-103</td>
<td>PV-428</td>
</tr>
<tr>
<td>BRs</td>
<td>EC-302</td>
<td>MI-104</td>
<td>SI-175</td>
</tr>
<tr>
<td>DR-101</td>
<td>EC-303</td>
<td>MI-210</td>
<td>SW-538</td>
</tr>
<tr>
<td>DR-111</td>
<td>EC-601</td>
<td>PMs</td>
<td>SW-539</td>
</tr>
<tr>
<td>DR-305</td>
<td>EC-602</td>
<td>PR-120</td>
<td>SW-541</td>
</tr>
<tr>
<td>DR-306</td>
<td>EW-101</td>
<td>PR-201</td>
<td>SW-542</td>
</tr>
<tr>
<td>DR-401</td>
<td>EW-211</td>
<td>PV-10</td>
<td>SW-602</td>
</tr>
<tr>
<td>DR-402</td>
<td>EW-302</td>
<td>PV-11</td>
<td>TC-212</td>
</tr>
<tr>
<td>DR-501</td>
<td>EW-401</td>
<td>PV-12</td>
<td>TC-213</td>
</tr>
<tr>
<td>DR-504</td>
<td>EW-402</td>
<td>PV-13</td>
<td>TC-218</td>
</tr>
<tr>
<td>DR-622</td>
<td>EW-403</td>
<td>PV-20</td>
<td>TC-451</td>
</tr>
<tr>
<td>EC-104</td>
<td>EW-501</td>
<td>PV-105</td>
<td>TC-454</td>
</tr>
</tbody>
</table>

Design Manual
Chapter 1
General Information
Originally Issued: 02-12-08
Revised: 11-14-19
Chronology of Changes to Design Manual Section:
001E-006 Designer Information for Standard Road Plans

11/14/2019 Revised
BA-200s: Added information related to BA-203 and BA-204.
DR-504: New.
MI-103: Revised graphic for last example.
PR-120: Added more information regarding use of the standard.

11/20/2018 Revised
BA-200: Added information regarding high tension cable to steel beam guardrail connection.
EC-201: Removed reference to Detail 570-04, which is now part of EC-201.
PVs: Added designer information for when to use ELW6 EDGE LINE RIGHT (White).
PR-120: New. Added designer information to explain when PR-120 is most commonly used.
PV-10: New. Added designer information for which bid items to include when using PV-10.

5/17/2018 Revised
BA-100: Removed reference to section that does not yet exist.
EC-201: Added designer info from Details 570-4 and 570-9, which were added into EC-201.
EC-303: New. Designer info from Detail 570-10.
EW-401: Revised to include information regarding use of Standard Note 282-3.

11/16/2017 Revised
BA-200: Added guidance for clear area behind rail for BA-211 (Long-span system).
DR-111: Added information pertaining to compacting backfill adjacent to structures.
DR-305: New. Adds guidance for when to use DR-306 or 500-10.
DR-306: Revised to explain DR-306 is the default outlet and added link to Designer Info for Detail 500-10.
DR-401: Added instructions to check location of curb to ensure it does not fall within the BTS or end terminal.
DR-402: Added instructions to check location of curb to ensure it does not fall within the BTS or end terminal.
EC-104: New. Adds instructions for choosing which type of TRM to use.
PV-12: Added guidance for rumble strips at RR crossings.
SW-538: Added instructions to check location of curb to ensure it does not fall within the BTS or end terminal.
SW-541: New. Cautions designers on use of SW-541.

5/9/2017 Revised
BRs: Added in that designers should contact the Office of Bridges if the length of double reinforced section is longer than the 20 foot minimum shown on BR-201, BR-202, BR-203, and BR-204.
DR-101: Removed guidance that the Office of Contracts will include the SS. The SS has been moved into the Standard Specifications.
DR-111: Removed guidance that the Office of Contracts will include the SS. The SS has been moved into the Standard Specifications.
DR-304: Void. DR-304 has been replaced with Detail 500-10.
DR-306: New. Provided guidance to contact Soils Design Engineer when filling in Tab 104-5C.
DR-401: Added guidance to refer to Section 4C-2 for bridge end drains and Section 7D-1 for reinforced bridge approach section dimensions.
DR-402: Added guidance to refer to Section 4C-2 for bridge end drains and Section 7D-1 for reinforced bridge approach section dimensions.
EC-201: Added guidance to use perimeter and slope sediment control devices in place of silt fence when rolled erosion control products are used in ditches and medians.
EW-101: New. Reference to Section 7D-4 and guidance for the D dimension in this standard.
MI-104: Added information regarding use of Flood Plain Fence.
PV-106: Added guidance to contact the Pavement Design Engineer for pavement and subbase thickness.

11/16/2016 Revised
Revised BRs to include information for BR-241.
Revised EW-402 to include information for bidding silt fence to contain material from pipe or hose excavation.
Revised PV-12 to include information for situations where rumble strips cannot be placed 6" from painted edge line.
9/14/2016 Revised
BA-200: Deleted information now contained in Section 8C-2. Added information regarding TL-2 standards.
BA-300: Deleted information now contained in 8B-3.
BA-500: Deleted information contained in Section 8C-5.
BRs: Noted 12 inch approach should be used for new construction, 10 inch should be used only if replacing existing 10 inch approach, and BR-100s should be limited to Secondary roads or replace-in-kind for low volume Primary roads.
DR-101: Replace link to 5A5 with link to 5B-2.
DR-111: Replace link to 5A-5 with link to 5B-2.
DR-304: New. Advice to contact Soils Design Engineer when filling in Tab 104-5C.
EC-201: Added information pertaining to calculating length of end span.
EC-204: New. Information pertaining to bidding Perimeter and Slope Sediment Control Devices.
EC-301: Added information regarding splash basins for pipe culverts.
EW-502: Added information regarding use of safety ramps.
MI-104: New. Information regarding when to use Type A or Type B crossing.

1/7/2016 Revised
Remove requirement in BA-200 that local agencies are required to use the BAs. Added designer info for EC-201 and EW-403.

7/2/2015 Revised
Revised BA-200 to refer to Section 8C-2 for design information. Added new section for EW-302. Added information to EW-401 regarding use as a runaround. Revised EW-402 to add information regarding multiple culverts and low clearance culverts and added information that a temporary stream diversions should be used even if the stream is not perennial. Added new section for MI-103. Added new section for TC-218.

1/22/2015 Revised
Revised references to renumbered standards (RFs renumbered to DRs and RKs renumbered to BRs). Removed Chris Poole's name from BA-200's. Added information for DR-622, EC-301, PV-106, PV-204, and SW-538. Added information to PMs section concerning markings at turn lanes.

5/15/2014 Revised
Updated information for PV-20 to reflect the switch to painted islands instead of raised islands. Updated information for PV-105 due to changes in Tab 106-5.
Updated information for RF-30A to move some of the language to Section 5A-5.

1/15/2014 Revised
Added guidance to EW-401 to also include and bid erosion control measures when EW-401 is required.
Changed RK-10's section to RK's and added information about pavement removal.
Added guidance for PV-105.
Added guidance to EW-501 to inform designers for granular surfaced entrances the PGL is at the top of subgrade and W is the width of the surface including shoulders, if any.
Eliminated links in PV-20 to Project Design Criteria Worksheet and Acceptable and Preferred Values tables. Those have been eliminated and new tables developed.
Added guidance for newly created RF-30D.
Changed link to 2009 MUTCD inside of SI-175.

8/16/2013 Revised
Revise references in EW-401. Add note advising EW-401 not be modified without contacting OLE. Revise references in PV-20 resulting from changes in tables in 1C-1.

7/18/2013 Revised
Revised RL-13 to EW-211, RL-16 to EW-401, and RL-20 to EW-402. Added information for EW-501 (Rural Entrances), MI-210 (PCC Driveways and Alleys), and RR-25 (HMA Wedge for Superelevation).

12/19/2012 Revised
Revised RF-30A information and added PV-20. Revised BA-200s to eliminate reference to FHWA memo.

9/13/2012 Revised
Added information for RL-13 and RL-20. Added information to BA-200's regarding VF and VT2 lengths on BA-250. Added information indicating designers are to use double reinforced bridge approach paving for Primary Road System Bridges.

2/10/2012 Revised
EC-202 Floating Silt Curtain - changed the reference to Section 10C-1.
11/30/2011 Revised
Updated link for BA-500 from 8B-9 to 8C-5.

7/29/2011 Revised
Added entries for EC-202 and the PM series. Removed entry for SW-203. Updated entries for PV-12, PV-13, RF-30A, and SI-175.

8/31/2010 Revised
Updated PV-11 description for milled rumble strips when placed outside the PCC roadway pavement.

7/15/2010 Revised
Made modifications to PV-13 and PV-12.

5/28/2010 Revised
Added PV-13 information.

4/15/2010 Revised
Update BA-200, BA-300