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**MEMORANDUM**

DATE: December 21, 2018

TO: All Holders of Standard Special Provisions

FROM: Shawn Yu, Standards and Specifications Engineer,

 Project Development Branch

SUBJECT: Revised CDOT Standard Plan M-606-1

 and Revised Project Special Detail D-606-2.

The Project Development Branch has issued the revised Standard Plan M-606-1, Midwest Guardrail System (MGS) Type 3 W-Beam 31 Inches with 19 sheets and the Revised Project Special Detail D-606-2, Midwest Guardrail System (MGS) Type 3 W-Beam 31 Inches (Without Blocks) with 18 sheets. Both are effective after December 31, 2018. Earlier use is permissible. Revision under Ad may be required.

The revised Standard Plan M-606-1, Midwest Guardrail System (MGS) Type 3 W-Beam 31 Inches supersedes the now obsolete version dated February 8, 2018. The revised Project Special Detail D-606-2 supersedes D-606-2, Midwest Guardrail System (MGS) Type 3 W-Beam 31 Inches (Without Blocks) dated February 8, 2018.

The revised Standard Plan M-606-1 changes include:

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| 606-1 | Sheet 1 | EROSION CONTROL CURB OPTION B marked as "**PREFERRED**". |
| 606-1 | 2 | Note 9 addition: **"…in the plans or by manufacturer."** (Addedto end of sentence) |
| 606-1 | 2 | Note 19 rewritten: " **Rail blocks manufactured from synthetic material will be accepted as alternatives to wood blocks for use with steel posts provided that the blocks have received FHWA approval."** |
| 606-1 | 2 | Note 25 rewritten: "**Field modification to rail elements is allowed per manufacturer’s recommendations, or with approval of Standards and Specifications Unit.** Posts shall not be modified. Components on which the spelter…military specification DOD-P-21035A". |
| 606-1 | **10, 11** | Removed NCHRP 350 certified median terminals (CAT 350, BREAKMASTER and FLEAT-MT); Replaced with MASH\* approved *MAX-Tension Median Terminal*.Reduced from 2 sheets to 1 sheet (sheet 10 only)**.** |
| 606-1 | 12 | Removed reference to TYPE 3L TRANSITION |
| 606-1 | 19 | Removed all drawings/details regarding HEADWALL MOUNT ON CBC. Removed corresponding note 11 and "🟊" note.Changed sheet number from 20 to 19. |
| 606-1 | 19 | Removed all drawings/details regarding **TRANSITION TYPE 3L AND GUARDRAIL TYPE 3 APPROACH** and revised **RAIL PLACEMENT** detail. Removed corresponding Note 6.Changed sheet number from 20 to 19. |

The revised Project Special Detail D-606-2 changes include:

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| 606-2 | Sheet 1 | EROSION CONTROL CURB OPTION B marked as "**PREFERRED**", |
| 606-2 | 2 | Note 9 addition: **"…in the plans or by manufacturer."** (Addedto end of sentence) |
| 606-2 | 2 | Note 19 rewritten: " **Rail blocks manufactured from synthetic material will be accepted as alternatives to wood blocks for use with steel posts provided that the blocks have received FHWA approval."** |
| 606-2 | 2 | Note 25 rewritten: "**Field modification to rail elements is allowed per manufacturer’s recommendations, or with approval of Standards and Specifications Unit.** Posts shall not be modified. Components on which the spelter…military specification DOD-P-21035A". |
| 606-2 | **10, 11** | Removed NCHRP 350 certified median terminals (*CAT 350, BREAKMASTER* and *FLEAT-MT*); Replaced with MASH\* approved *MAX-Tension Median Terminal*.Reduced from 2 sheets to 1 sheet (sheet 10 only)**.** |
| 606-2 | **12** | Removed reference to TYPE 3L TRANSTION. |
| 606-2 | 18 | Removed all drawings/details regarding HEADWALL MOUNT ON CBC. Removed corresponding note 11 and "🟊" note.Changed sheet number from 20 to 19. |
| 606-2 | 18 | Removed all drawings/details regarding TRANSITION TYPE 3L AND GUARDRAIL TYPE 3 APPROACH and revise RAIL PLACEMENT detail. Removed corresponding Note 6.Changed sheet number from 20 to 19. |

Use the existing Median Terminal pay item 606-01460.

*\* For contracts on the National Highway System with a letting date after the dates below, only the listed safety hardware evaluated using the 2016 edition of MASH criteria will be allowed for new permanent installations and full replacements:*

* *December 31, 2017: w-beam barriers and cast-in-place concrete barriers*
* *June 30, 2018: w-beam terminals*
* ***December 31, 2018: crash cushions***
* *December 31, 2019: cable barriers, cable barrier terminals, bridge rails, transitions, all other longitudinal barriers (including portable barriers installed permanently), all other terminals, sign supports, and all other breakaway hardware*

Electronic copies of M-606-1 and D-606-2 are available on the CDOT Design and Construction Project Support, M Standards website:

<https://www.codot.gov/business/designsupport/standard-plans/copy_of_2012-m-standards-plans>

Any new or revised M&S Standard Plans for use in a highway project’s plan set are to be marked on the M&S Standard Plans List sheet.  Please do not include any hard copies of new or revised M&S Standard Plans in your highway plan set sent to the Center for Printing and Visual Communication. They will insert into your plan set all of the new and revised M&S Standard Plans checked on the M&S Standards Plans List sheet. Here is the link to latest M&S Standards Plans List: [2012 M&S Standards Plans List sheet](https://www.codot.gov/business/designsupport/standard-plans/2012-standard-plans-list).

If you have any questions or comments, please contact Shawn Yu at 303-757-9474, or Joshua Palmer at 303-757-9221.