

INDIANA DEPARTMENT OF TRANSPORTATION

INTER-DEPARTMENT COMMUNICATION  
Standards Section -- Room N642

December 22, 1999

STANDARD DRAWING MEMORANDUM 00-5 M

TO: All Designers, Operations and District Personnel, Consultants,  
Contractors, and Vendors

THRU: /s/ Firooz Zandi  
Firooz Zandi  
Acting Chief Highway Engineer

FROM: /s/ Anthony L. Uremovich  
Anthony L. Uremovich  
Standards Engineer

SUBJECT: New and Revised Metric Standard Drawings

EFFECTIVE: Lettings Between May 1, 2000, and August 31, 2000

We are transmitting herewith, prints of new and revised, metric standard drawings. These drawings were approved by the Acting Chief Highway Engineer with the date of May 1, 2000. The drawings which are listed below under Standards Committee Action were verbally approved during a Standards Committee meeting by the Federal Highway Administration with the date of May 1, 2000. The drawings which are listed below under Editorial Changes were submitted to the Federal Highway Administration for their written approval on October 22, 1999. Such drawings were approved by the Federal Highway Administration on November 3, 1999, with an approval date of May 1, 2000.

We are also attaching herewith, one copy of the Metric Standard Drawings Index, which is shown to be current as of May 1, 2000.

STANDARDS COMMITTEE ACTION

Drawing 211-BFIL-03 is revised to exclusively show details for backfilling interior bridge supports. Drawings 211-BFIL-04 and -05 are new drawings for this series. Drawing -04 shows revised details for backfilling end bents of beam or girder bridges. Drawing -05 shows revised details for backfilling end bents of slab bridges.

The following new drawings show details of newly standardized guardrail transition, bridge railings, and concrete bridge railing transitions which have been determined to be in accordance with National Cooperative Highway Research Program Report 350.

Drawing Series	Bridge Railing Device
601-TTGT-01 & -02	Guardrail Transition TGT for Bridge Railing CF-1
706-BRPP-01 > -06	Bridge Railings PF-1, PF-2, PS-1, PS-2
706-BRTM-01 & -02	Bridge Railing CF-1
706-BRTX-01 > -04	Bridge Railing TX
706-TTBP-01 & -02	Conc. Br. Rlg. Transition TPF-1 for Br. Rlg. PF-1
706-TTBP-03 & -04	Conc. Br. Rlg. Transition TPF-2 for Br. Rlg. PF-2
706-TTBP-05 & -06	Conc. Br. Rlg. Transition TPS-1 for Br. Rlg. PS-1
706-TTBP-06 & -08	Conc. Br. Rlg. Transition TPS-2 for Br. Rlg. PS-2
706-TTTX-01	Conc. Br. Rlg. Transition TTX for Br. Rlg. TX

Drawings 802-SNGP-01, -04, -06, -07, and -08 have been revised to change the fuse plate for breakaway sign supports to a perforated fuse plate. The perforated plate will not slip off due to moderated wind pressure or insufficient torque.

#### EDITORIAL CHANGES.

<u>Drawings</u>	<u>Change</u>
601-TTGB-02	Eliminate notes as they are superfluous
601-WGBC-02	Eliminate notes as they are superfluous
602-TCCB-05	Change G.R.E.A.T. to generic energy absorbing terminal in Note 5
605-CCSJ-01	Make D variable in saw sections; harder metricate, change Bituminous to Asphalt or HMA
610-PRCO-01 > -07	Make legend information consistent throughout series; update sections for current paving practice
706-BRTW-01 > -08	Discontinue series. Drawings -01 through -04 changed to 706-TWBC-01 through -04 for consistency with 706-TTBC designations. 706-BRTW-05 was same as current 706-TASE-01. 706-BRTW-06 was same as current 706-CBRT-01. 706-BRTW-07 was same as current 706-CBRT-03. 706-BRTW-08 was same as current 706-CBRT-04.
706-CBRT-01	Include required reference in 3 portion
706-CBRT-02 > -03	Rearrange views; revise Note 2

706-TTBC-01 > -02	Add reference notes; show guardrail transition attachment holes
706-TTBC-03	Consolidate bar bending diagrams
707-BPBF-01 > -03	Make notes consistent with those on original english version
707-BPDP-01	Move lifting hook here from 707-BPDP-04
707-BPDP-02	Clarify table headings
707-BPDP-03	Delete drawing – move details to 707-BPDP-04
707-BPDP-04	Make Detail D consistent with reinforcement practice shown in 706-BCBR series
707-BPDP-05	Reorganize Section E-E details; clarify skewed panel details
711-BREB-01	Make notes consistent with those on original english version
801-TCSN-11	Eliminate notes covered by Standard Specifications
801-TCFO-02	Clarify 175 to 800 dimensions
801-TCFO-03	Correct XWA-2(R) sign designation to XW4-2(R)
801-TCTC-07	Correct taper length formula
801-TCTC-09 & -10	Correct scale of vehicles relative to shoulder and lane widths

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Attachments:

Metric standard drawings  
Metric Standard Drawings Index

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