

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION **Division Of Highways**

Joe Manchin III Governor

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0440 • 304/558-3505

January 16, 2007

MEMORANDUM

TO:

ALL HOLDERS OF STANDARD DETAILS BOOK, VOLUME 3

FROM:

GREGORY L. BAILEY, DIRECTOR Lingon Bally

ENGINEERING DIVISION

SUBJECT: ADDENDUM 1 TO THE 1999 STANDARD DETAILS BOOK, VOLUME 3

Attached for your use is Addendum 1 to the 1999 Standard Details Book, Volume 3. This addendum is necessary to revise the West Virginia Department of Transportation, Division of Highways, Standard Details Volume 3 dated August 1, 1999.

Also included in this package are the updated index and copies of the Standard Details that are affected. The revisions are as follows:

- > Remove and destroy the existing index and replace it with the attached revised index. Revisions to the index are shown in bold/italic print.
- Add the attached Standard Details, dated December 2006.

Please note that this addendum adds all Standard Detail pages with prefix BRD-* which consist of AASHTO Type II, III, IV, IV Modified, IV-J, and 17" thru 42" P.C. spread box beams.

Any questions concerning this addendum should be directed to Mr. Lovell Facemire at (304) 558-9752.

GLB:Ts

Attachments

PROJECT NUMBERS		DISTRICT	COUNTY	SHEET .	TOTAL
STATE	FEDERAL	DISTRICT	COUNTT	NO.	TOTAL

BR-1	SUPERSTRUCTURE PLAN-NORMAL CROSSING
BR-1	SUPERSTRUCTURE PLAN-LEFT FORWAD SKEW
BR-1	SUPERSTRUCTURE PLAN-RIGHT FORWARD SKEW
BR-1A	SUPERSTRUCTURE PLAN ON PILING NORMAL CROSSING
BR-1A	SUPERSTRUCTURE PLAN ON LEFT FORWARD SKEW
BR-1A	SUPERSTRUCTURE PLAN ON PILING RIGHT FORWARD SKEW
BR-2A	GENERAL NOTES
BR-2B	GENERAL NOTES
BR-7S	CONCRETE ABUTMENT BRIDGE SEAT DETAILS-LT. FORWARD SKEW
BR-7S	CONCRETE ABUTMENT BRIDGE SEAT DETAILS-RT. FORWARD SKEW
BR-10	STEEL BEAM STRINGERS AND TIMBER DECK
BR-10A	DOWEL LAMINATED TIMBER DECK
BR-11	STEEL BEAM STRINGERS AND STEEL GRID DECK
BR-11M	MODIFIED STEEL GRID DETAILS-OPEN TYPE
BR-12	SHOE ASSEMBLY DETAILS-SPAN 60'-0" OR LESS
BR-12L	SHOE ASSEMBLY DETAILS
BR-13	CONCRETE ABUTMENT LAYOUT
BR-P13	CONCRETE ABUTMENT ON PILING

BR-P14	CONCRETE ABUTMENT ON PILING-REINFORCING STEEL DETAILS
BR-P15	CONCRETE ABUTMENT ON PILING-LEFT WINGWALL DETAILS
BR-P16	CONCRETE ABUTMENT ON PILING-RIGHT WINGWALL DETAILS
BR-P17	CONCRETE ABUTMENT ON PILING-RANGE 1, 2, & 3
BR-P17	CONCRETE ABUTMENT ON PILING-RANGE 4 & 5
BR-14	REINFORCED CONCRETE ABUTMENT-REINFORCING STEEL DETAILS
BR-14S	BRIDGE SEAT DETAILS_LEFT FORWARD SKEW
BR-14S	BRIDGE SEAT DETAILS-RIGHT FORWARD SKEW
BR-15	LEFT WINGWALL DETAILS
BR-16	
BR-17	
BR-17 BR-17A	ABUTMENT FOOTING_RANGE 4 & 5 ABUTMENT FOOTING
BR-S12A	12" PRESTRESSED PLANK BEAM DESIGN AND ASSEMBLY DETAILS
BR-S12B BR-B17A	DESIGN TABLE FOR 12" PRESTRESSED PLANK BEAM 17" PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B17B	DESIGN TABLE FOR 17" PRESTRESSED BOX BEAM
BR-B21A	21" PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B21B	DESIGN TABLE FOR 21" PRESTRESSED BOX BEAM
BR-B27A	27" PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B27A	DESIGN TABLE FOR 27" PRESTRESSED BOX BEAM
BR-B33A	33" PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B33B	DESIGN TABLE FOR 33" PRESTRESSED BOX BEAM
BR-B42A	42" PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B42B	DESIGN TABLE FOR 42" PRESTRESSED BOX BEAM
BR-B100	PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B101	PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B102	PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-B103	PRESTRESSED BOX BEAM TRANSVERSE POST-TENSIONING DESIGN AND ASSEMBLY DETAILS
BR-B104	PRESTRESSED BOX BEAM DESIGN AND ASSEMBLY DETAILS
BR-T1	GLULAM TIMBER SUPERSTRUCTURE PLAN-NORMAL CROSSING
BR-T1	GLULAM TIMBER SUPERSTRUCTURE PLAN-RIGHT FORWARD SKEW
BR-T1	GLULAM TIMBER SUPERSTRUCTURE PLAN-LEFT FORWARD SKEW
BR-T2	GLULAM TIMBER SUPERSTRUCTURE PLAN-GENERAL NOTES
BR-T3	GLULAM TIMBER SUPERSTRUCTURE DECK FASTENING DETAILS
BR-T4	GLULAM TIMBER SUPERSTRUCTURE DIAPHRAGM DETAILS
BR-T5	GLULAM TIMBER SUPERSTRUCTURE-GUARDRAIL POST DETAILS
BR-T6	GLULAM TIMBER SUPERSTRUCTURE-GIRDER ANCHORAGE DETAILS
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BR-PP2	REINFORCED CONCRETE PIER ON PILES LAYOUT
BR-PP3	REINFORCED CONCRETE PIER STEM DETAILS (SQUARE NOSE)
BR-PS1	REINFORCED CONCRETE PIER STEM DETAILS (ROUND NOSE)
BR-PS2	REINFORCED CONCRETE PIER FOOTING ON PILING
BR-PS3	REINFORCED CONCRETE PIER LAYOUT
BRD-B 17X36	17" P.C. SPREAD BOX BEAM
BRD-B 21X36	21" P.C. SPREAD BOX BEAM
BRD-B 27X36	27" P.C. SPREAD BOX BEAM
BRD-B 33X36	33" P.C. SPREAD BOX BEAM
BRD-B 39X36	39" P.C. SPREAD BOX BEAM
BRD-B 42X36	42" P.C. SPREAD BOX BEAM
BRD-II 36X12	AASHTO TYPE II 36" PRECAST CONCRETE BEAM
BRD-III 45X16	AASHTO TYPE III 45" PRECAST CONCRETE BEAM
BRD-IV 54X20	AASHTO TYPE IV 54" PRECAST CONCRETE BEAM
BRD-IVJ 60X37	AASHTO TYPE IV-J PC BEAM 60" DEEP, 37" TOP FLANGE
BRD-IVJ 60X43	AASHTO TYPE IV-J PC BEAM 60" DEEP, 43" TOP FLANGE
BRD-IVJ 60X49	AASHTO TYPE IV-J PC BEAM 60" DEEP, 49" TOP FLANGE
BRD-IVJ 60X61	AASHTO TYPE IV-J PC BEAM 60" DEEP, 61" TOP FLANGE
<i>BRD-IVJ 66X37</i>	AASHTO TYPE IV-J PC BEAM 66" DEEP, 37" TOP FLANGE
BRD-IVJ 66X43	AASHTO TYPE IV-J PC BEAM 66" DEEP, 49" TOP FLANGE
BRD-IVJ 66X49	AASHTO TYPE IV-J PC BEAM 66" DEEP, 49" TOP FLANGE
BRD-IVJ 66X61	AASHTO TYPE IV-J PC BEAM 66" DEEP, 61" TOP FLANGE
BRD-IVJ 72X37	AASHTO TYPE IV-J PC BEAM 72" DEEP, 37" TOP FLANGE
BRD-IVJ 72X43	AASHTO TYPE IV-J PC BEAM 72" DEEP, 43" TOP FLANGE
BRD-IVJ 72X49	AASHTO TYPE IV-J PC BEAM 72" DEEP, 49" TOP FLANGE
BRD-IVJ 72X61	AASHTO TYPE IV-J PC BEAM 72" DEEP, 61" TOP FLANGE
BRD-IVJ 78X37	AASHTO TYPE IV-J PC BEAM 78" DEEP, 37" TOP FLANGE
BRD-IVJ 78X43	AASHTO TYPE IV-J PC BEAM 78" DEEP, 43" TOP FLANGE
BRD-IVJ 78X49	AASHTO TYPE IV-J PC BEAM 78" DEEP, 49" TOP FLANGE
BRD-IVJ 78X61	AASHTO TYPE IV-J PC BEAM 78" DEEP, 61" TOP FLANGE
BRD-IVJ 84X37	AASHTO TYPE IV-J PC BEAM 84" DEEP, 37" TOP FLANGE
BRD-IVJ 84X43	AASHTO TYPE IV-J PC BEAM 84" DEEP, 43" TOP FLANGE
BRD-IVJ 84X49	AASHTO TYPE IV-J PC BEAM 84" DEEP, 49" TOP FLANGE
BRD-IVJ 84X61	AASHTO TYPE IV-J PC BEAM 84" DEEP, 61" TOP FLANGE
BRD-IVM 60X36	AASHTO TYPE IV MODIFIED 60" PRECAST CONCRETE BEAM
BRD-IVM 66X36	AASHTO TYPE IV MODIFIED 66" PRECAST CONCRETE BEAM
BRD-IVM 72X36	AASHTO TYPE IV MODIFIED 72" PRECAST CONCRETE BEAM
BRD-IVM 78X36	AASHTO TYPE IV MODIFIED 78" PRECAST CONCRETE BEAM
BRD-IVM 84X36	AASHTO TYPE IV MODIFIED 84" PRECAST CONCRETE BEAM

NO.	REVISION	DATE:	BY:

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

DESIGNED DATE
12/5/06

DRAWN

CHECKED

REVIEWED

DIRECTOR ENGINEERING DIVISION

APPROVED _ _ _

OF BRIDGE NO.



































































