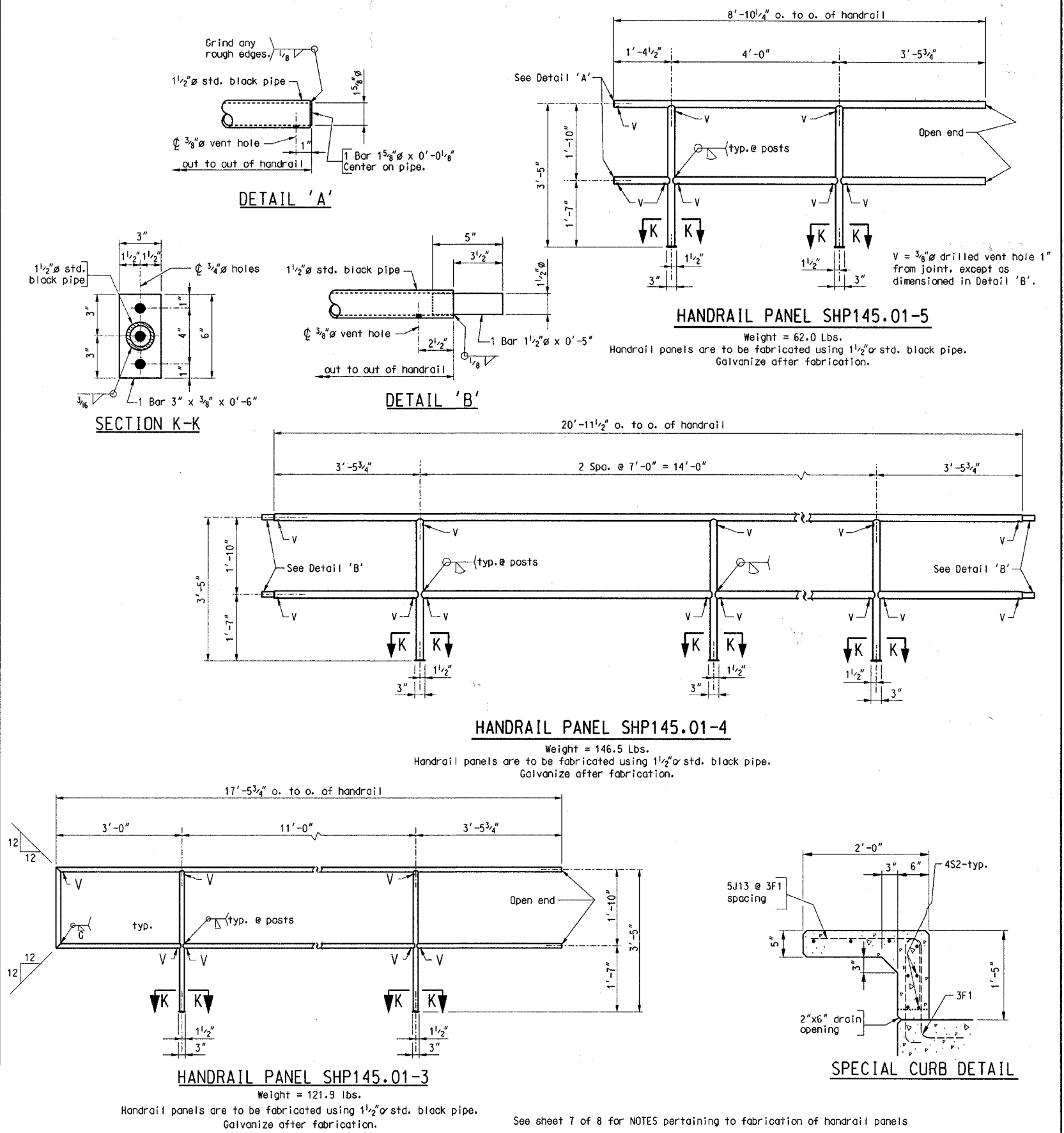


REQ'N. NO.: PR65519-0	REQUEST ID.: SB00	LINE SEG.: 7000	MILE POST: 145.01	DELIV. DATE: 28 February, 2005
SHIP TO BNSF RY. c/o: J.W. CHRISTENSEN, SUPERVISOR STRUCTURES PRINCEVILLE, IL (RAIL SHIPMENT ONLY)		SEND SHIPPING PAPERS TO: J.W. CHRISTENSEN, SUPERVISOR STRUCTURES 1619 27th STREET FT. MADISON, IA 52627 PH.: 319-376-4272		ACCT: 1120 WORK REASON: 130 LOC. NO.: 381010 AUTH: 7-7000-05
SIGNATURE: <i>K.H. Jennison</i>		TITLE: ASS'T. DIRECTOR STRUCTURES DESIGN		COST CLASS: 319 COST CTR.: 14932 TAX CODE: 38 P.D. NO.:
DATE: 3 November, 2004				

**BILL OF MATERIAL ≈ BR. 7000-145.01**

LINE	QUAN.	UNIT	DESCRIPTION	MARK	SIZE	LENGTH	REMARKS
1	365.040	LBS.	STEEL PILES, ASTM A572, GR. 50 (52 Pcs.)		HP14x117	60'-0"	
2	19.200	Lbs.	STEEL BRACING, ASTM A36 (48 PCS.)		C10x20	20'-0"	
3	52	EA.	CAST STEEL PILE REINFORCING TIP		VB314PC		
4	151.875	Lbs.	STEEL SHT. PILES, ASTM A572, GR. 50 (125 Pcs.)	3NA	12"x18"	30'-0"	AVAILABLE FROM J.D. FIELDS
5	4	EA.	P/S CONCRETE DBL. CELL BOX BM. w/WALK	PB45-10W	42"x84"	45'-10"	PER STD. PLAN NO. 0000-18003-01B THRU -03
6	4	EA.	P/S CONCR. DBL. CELL BOX BEAM w/SPECIAL CURB/WALK	PB45-10SC	42"x84"	45'-10"	PER STD. PLAN NO. 0000-18003-01B THRU -03 AND MODIFIED PER DETAILS THIS SHEET
7	2	EA.	PRECAST CONCRETE ABUTMENT CAP	SPC145.01-1 <sup>L</sup>	36"x60"	17'-9"	DETAILED ON PLAN NO.'s 7000-145.01-03 & 04
8	2	EA.	PRECAST CONCRETE ABUTMENT CAP	SPC145.01-1 <sup>R</sup>	36"x60"	17'-9"	DETAILED ON PLAN NO.'s 7000-145.01-03 & 04
9	4	EA.	PRECAST CONCRETE PIER CAP	SPC145.01-2	36"x60"	15'-0"	DETAILED ON PLAN NO.'s 7000-145.01-03 & 04
10	4	EA.	PRECAST CONCRETE WING WALL	SPW145.01	9"x95 <sup>3</sup> / <sub>4</sub> "	11'-6"	DETAILED ON PLAN NO. 7000-145.01-04
11	1	LOT	STRUCT. STEEL, ANCH. BOLTS, H.S. BOLTS & REINF. ELASTOMERIC BEARING PADS FOR BEAM SPANS		W36x300	51'-0"	LISTED ON PLAN NO. 7000-145.01-07 AND DET'L'D. ON PLAN NO.'s 7000-145.01-05 thru -07; Ordered on Req'n. No.: PR65451-0
12	16	EA.	WASHER, GALV.	W100	4"x3 <sup>3</sup> / <sub>4</sub> "	0'-4"	PER STD. PLAN NO. 0000-17902-30D
13	28	EA.	PLATE WASHER, GALV.	P100	1 <sup>1</sup> / <sub>2</sub> "x1 <sup>1</sup> / <sub>4</sub> "	0'-6"	PER STD. PLAN NO. 0000-17902-30D
14	8	EA.	DECK PLATE, GR. 36, GALV.	DP100			PER STD. PLAN NO. 0000-22902-26A
15	8	EA.	DECK PLATE, GR. 36, GALV.	DP101			PER STD. PLAN NO. 0000-22902-26A
16	4	EA.	HANDRAIL PANEL, GALV.	SHP145.01-1	1 <sup>1</sup> / <sub>2</sub> " Pipe	12'-1 <sup>3</sup> / <sub>4</sub> "	DETAILED ON PLAN NO. 7000-145.01-07
17	2	EA.	HANDRAIL PANEL, GALV.	SHP145.01-2	1 <sup>1</sup> / <sub>2</sub> " Pipe	26'-11 <sup>1</sup> / <sub>2</sub> "	DETAILED ON PLAN NO. 7000-145.01-07
18	4	EA.	HANDRAIL PANEL, GALV.	SHP145.01-3	1 <sup>1</sup> / <sub>2</sub> " Pipe	17'-5 <sup>3</sup> / <sub>4</sub> "	PER DETAILS THIS SHEET
19	4	EA.	HANDRAIL PANEL, GALV.	SHP145.01-4	1 <sup>1</sup> / <sub>2</sub> " Pipe	20'-11 <sup>1</sup> / <sub>2</sub> "	PER DETAILS THIS SHEET
20	4	EA.	HANDRAIL PANEL, GALV.	SHP145.01-5	1 <sup>1</sup> / <sub>2</sub> " Pipe	8'-10 <sup>1</sup> / <sub>4</sub> "	PER DETAILS THIS SHEET
21	3	EA.	PANEL, GRIP STRUT WALK, 12 GA., GALV.		3"x11 <sup>3</sup> / <sub>4</sub> "	10'-0"	
22	2	EA.	PANEL, GRIP STRUT WALK, 12 GA., GALV.		3"x11 <sup>3</sup> / <sub>4</sub> "	14'-0"	
23	7	EA.	PANEL, GRIP STRUT WALK, 12 GA., GALV.		3"x24"	10'-0"	
24	7	EA.	PANEL, GRIP STRUT WALK, 12 GA., GALV.		3"x24"	14'-0"	
25	88	EA.	GRIP STRUT ANCHOR DEVICE CLIP				SQUARE HOLE
26	80	EA.	CARRIAGE BOLT, ROUND HEAD, SQUARE NECK		5/16" DIA.	4 <sup>1</sup> / <sub>2</sub> "	GRIP STRUT BOLT
27	80	EA.	FLAT WASHER, ROUND		5/16"		GRIP STRUT BOLT
29	80	EA.	LOCK NUT, CENTER LOCKING, GALV.		5/16"		GRIP STRUT BOLT
30	40	EA.	H.S. STRUCT. BOLT w/ NUT & WASHER, GALV.		3/4" DIA.	2"	ASTM A325, HANDRAIL TO WALK BRACKET
31							
32	60	EA.	BOLT, MACHINE, HEX HD., GALV.		1/2" DIA.	7"	HANDRAIL TO CONCRETE WALK
33	60	EA.	LOCK NUT, GALV.		1/2"		
34	120	EA.	WASHER, FLAT, ROUND, GALV.		5/16" I.D.	1 <sup>3</sup> / <sub>8</sub> " O.D.	
35							
36							
37							
38	16	EA.	URETHANE BEARING PAD (70 DUROMETER)		3/4" x 10"	5'-8"	
39							
40	44	EA.	"VIBRAFLEX" ASPHALT PANELS		1/2" x 48"	8'-0"	ON TOP OF STEEL BALLAST PAN AVAILABLE FROM: W.R. MEADOWS; ELGIN, IL
41	32	EA.	PREMOLDED JOINT FILLER, ASPHALT IMPREG.		1/2" x 40"	5'-6"	GAP BETWEEN P/S BEAMS AND FACE OF PARAPET
42	4	EA.	PREMOLDED JOINT FILLER, ASPHALT IMPREG.		1/2" x 29"	4'-10"	GAP BETWEEN SPC145.01-1 <sup>L</sup> & SPC145.01-1 <sup>R</sup>
43	4	EA.	PREMOLDED JOINT FILLER, ASPHALT IMPREG.		1/2" x 9"	5'-5"	GAP BETWEEN SPC145.01-1 <sup>L</sup> & SPC145.01-1 <sup>R</sup>
44							
45	2	EA.	SIGN POST, BLACK			11'-0"	
46	2	EA.	BRIDGE NO. SIGN	145.01			PER STD. PLAN NO. 3103.01.03
47	2	EA.	DANGER SIGN				PER STD. PLAN NO. 3070.01.04
48							

SUPERVISOR STRUCTURES TO FURNISH: POLYURETHANE JOINT SEALANT, B100 & B101 BRACKETS, ORGANIC ZINC RICH PAINT, SPRAY APPLIED WATERPROOFING MEMBRANE FOR STEEL BALLAST PAN, 4" DIA. PVC DRAIN PIPE, CONNECTIONS FOR DRAIN PIPE AND MISC. HARDWARE AS REQUIRED



DES: KHJ	DRW: KHJ	CHK: MGG	CHICAGO, IL TO FT. MADISON, IA
DATE: Nov., 2004	AUTH: 7-7000-05	LINE SEG: 7000	BRIDGE 145.01
BRIDGE ENGINEERING		KANSAS CITY, KS	OVER CO. HWY. R40 NEAR PRINCEVILLE, IL
APPROVED:			MISC. DETAILS & BILL OF MATERIAL
<i>K.H. Jennison</i>			PLAN NO.: 7000-145.01-08
ASSISTANT DIRECTOR STRUCTURES DESIGN			SHEET: 8 OF 8

