BR #6S (EASTBOUND) LEFT — SHEET 1 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	30	RAIL POST W6x25 WITH BASE PLATE
	30	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	10	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	10	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	30	1/8" THICK BEARING PAD
	120	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	80	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL (SLOTTED ONE END)
–13	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL (SLOTTED BOTH ENDS)
–15	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL (SLOTTED ONE END)
–18	1	RAIL TUBE (UPPER) 8x4x5/16 18'–4 7/16" OAL
–27	4	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–28	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL (SLOTTED ONE END)
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL (SLOTTED ONE END)
–13	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL (SLOTTED BOTH ENDS)
–15	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL (SLOTTED ONE END)
–18	1	RAIL TUBE (LOWER) 4x4x1/4 18'–4 7/16" OAL
–27	4	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–28	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL (SLOTTED ONE END)

BR #6S (EASTBOUND) RIGHT — SHEET 2 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	28	RAIL POST W6x25 WITH BASE PLATE
	28	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	10	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	10	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	28	1/8" THICK BEARING PAD
	112	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	80	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–11	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL (SLOTTED ONE END)
–13	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL (SLOTTED BOTH ENDS)
–15	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL (SLOTTED ONE END)
–22	1	RAIL TUBE (UPPER) 8x4x5/16 19'–4 1/16" OAL
–27	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–28	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL (SLOTTED ONE END)
–33	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–34	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL (SLOTTED ONE END)
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–11	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL (SLOTTED ONE END)
–13	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL (SLOTTED BOTH ENDS)
–15	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL (SLOTTED ONE END)
–22	1	RAIL TUBE (LOWER) 4x4x1/4 19'–4 1/16" OAL
–27	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–28	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL (SLOTTED ONE END)
–33	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–34	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL (SLOTTED ONE END)

BR #6N (WESTBOUND) LEFT — SHEET 3 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	31	RAIL POST W6x25 WITH BASE PLATE
	31	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	10	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	10	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	31	1/8" THICK BEARING PAD
	124	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	80	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–9	1	RAIL TUBE (UPPER) 8x4x5/16 15'–4 3/8" (SLOTTED ONE END)
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–13	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED BOTH ENDS)
–27	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–28	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–41	2	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–42	2	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–9	1	RAIL TUBE (LOWER) 4x4x1/4 15'–4 3/8" (SLOTTED ONE END)
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–13	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED BOTH ENDS)
–27	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–28	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–41	2	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–42	2	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #6N (WESTBOUND) RIGHT — SHEET 4 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	29	RAIL POST W6x25 WITH BASE PLATE
	29	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	10	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	10	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	29	1/8" THICK BEARING PAD
	116	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	80	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–8	1	RAIL TUBE (UPPER) 8x4x5/16 15'–2 5/8" OAL
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–13	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED BOTH ENDS)
–14	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL
△1 –18R	1	RAIL TUBE (UPPER) 8x4x5/16 15'–4 7/16" OAL
–28	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–41	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–42	3	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL (SLOTTED ONE END)
–8	1	RAIL TUBE (LOWER) 4x4x1/4 15'–2 5/8" OAL
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–13	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED BOTH ENDS)
–14	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL
△1 –18R	1	RAIL TUBE (LOWER) 4x4x1/4 15'–4 7/16" OAL
–28	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–41	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–42	3	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL (SLOTTED ONE END)

BR #15S (SOUTHBOUND) LEFT — SHEET 5 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	27	RAIL POST W6x25 WITH BASE PLATE
	27	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	9	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	9	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	27	1/8" THICK BEARING PAD
	108	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	72	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–4	1	RAIL TUBE (UPPER) 8x4x5/16 12'–11" (SLOTTED BOTH ENDS)
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–19	1	RAIL TUBE (UPPER) 8x4x5/16 18'–9 11/16" OAL
–28	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–34	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–4	1	RAIL TUBE (LOWER) 4x4x1/4 12'–11" (SLOTTED BOTH ENDS)
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–19	1	RAIL TUBE (LOWER) 4x4x1/4 18'–9 11/16" OAL
–28	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–34	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)

BR #15S (SOUTHBOUND) RIGHT — SHEET 6 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	28	RAIL POST W6x25 WITH BASE PLATE
	28	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	9	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	9	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	28	1/8" THICK BEARING PAD
	112	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	72	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–4	1	RAIL TUBE (UPPER) 8x4x5/16 12'–11" (SLOTTED BOTH ENDS)
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–18	1	RAIL TUBE (UPPER) 8x4x5/16 18'–4 7/16" OAL
–21	1	RAIL TUBE (UPPER) 8x4x5/16 19'–1 3/8" OAL
–28	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–34	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
41	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–42	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–4	1	RAIL TUBE (LOWER) 4x4x1/4 12'–11" (SLOTTED BOTH ENDS)
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–18	1	RAIL TUBE (LOWER) 4x4x1/4 18'–4 7/16" OAL
–21	1	RAIL TUBE (LOWER) 4x4x1/4 19'–1 3/8" OAL
–28	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–34	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
41	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–42	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #15N (NORTHBOUND) LEFT — SHEET 7 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	27	RAIL POST W6x25 WITH BASE PLATE
	27	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	9	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	9	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	27	1/8" THICK BEARING PAD
	108	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	72	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–5	1	RAIL TUBE (UPPER) 8x4x5/16 13'–7" OAL
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–13	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED BOTH ENDS)
–28	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–34	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–5	1	RAIL TUBE (LOWER) 4x4x1/4 13'–7" OAL
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–13	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED BOTH ENDS)
–28	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–34	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)

BR #15N (NORTHBOUND) RIGHT — SHEET 8 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	27	RAIL POST W6x25 WITH BASE PLATE
	27	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	9	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	9	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	27	1/8" THICK BEARING PAD
	108	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	72	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	24	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–13	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED BOTH ENDS)
–14	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL
–23	1	RAIL TUBE (UPPER) 8x4x5/16 19'–5 5/16" OAL
–28	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–34	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–13	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED BOTH ENDS)
–14	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL
–23	1	RAIL TUBE (LOWER) 4x4x1/4 19'–5 5/16" OAL
–28	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–34	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)

BR #16S (SOUTHBOUND) LEFT — SHEET 9 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	58	RAIL POST W6x25 WITH BASE PLATE
	58	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	15	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	58	1/8" THICK BEARING PAD
	232	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	152	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–12	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–17	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED BOTH ENDS)
–26	1	RAIL TUBE (UPPER) 8x4x5/16 19'–11 3/8" OAL
–27	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–29	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	6	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	3	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–43	2	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–12	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–17	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED BOTH ENDS)
–26	1	RAIL TUBE (LOWER) 4x4x1/4 19'–11 3/8" OAL
–27	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–29	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	6	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	3	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–43	2	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #16S (SOUTHBOUND) RIGHT — SHEET 10 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	58	RAIL POST W6x25 WITH BASE PLATE
	58	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	15	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	58	1/8" THICK BEARING PAD
	232	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	152	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–12	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–16	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
△1 –17R	1	RAIL TUBE (UPPER) 8x4x5/16 17'–3" (SLOTTED BOTH ENDS)
–27	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–29	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
△1 –32R	1	RAIL TUBE (UPPER) 8x4x5/16 22'–9 1/8" OAL
–33	5	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	3	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–43	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–12	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–16	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
△1 –17R	1	RAIL TUBE (LOWER) 4x4x1/4 17'–3" (SLOTTED BOTH ENDS)
–27	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–29	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
△1 –32R	1	RAIL TUBE (LOWER) 4x4x1/4 22'–9 1/8" OAL
–33	5	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	3	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–43	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #16N (NORTHBOUND) LEFT — SHEET 11 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	53	RAIL POST W6x25 WITH BASE PLATE
	53	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	15	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	53	1/8" THICK BEARING PAD
	212	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	152	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–10	3	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–12	3	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–14	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL
–21	1	RAIL TUBE (UPPER) 8x4x5/16 19'–1 3/8" OAL
–25	1	RAIL TUBE (UPPER) 8x4x5/16 19'–9 1/2" (SLOTTED BOTH ENDS)
–29	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	6	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	3	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–10	3	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–12	3	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–14	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL
–21	1	RAIL TUBE (LOWER) 4x4x1/4 19'–1 3/8" OAL
–25	1	RAIL TUBE (LOWER) 4x4x1/4 19'–9 1/2" (SLOTTED BOTH ENDS)
–29	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	6	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	3	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL

BR #16N (NORTHBOUND) RIGHT — SHEET 12 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	52	RAIL POST W6x25 WITH BASE PLATE
	52	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	15	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	52	1/8" THICK BEARING PAD
	208	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	152	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–7	2	RAIL TUBE (UPPER) 8x4x5/16 14'–7 5/8" OAL
–8	1	RAIL TUBE (UPPER) 8x4x5/16 15'–2 5/8" OAL
–10	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–12	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–16	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–25	1	RAIL TUBE (UPPER) 8x4x5/16 19'–9 1/2" (SLOTTED BOTH ENDS)
–27	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–29	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	5	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–43	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–7	2	RAIL TUBE (LOWER) 4x4x1/4 14'–7 5/8" OAL
–8	1	RAIL TUBE (LOWER) 4x4x1/4 15'–2 5/8" OAL
–10	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–12	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–16	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–25	1	RAIL TUBE (LOWER) 4x4x1/4 19'–9 1/2" (SLOTTED BOTH ENDS)
–27	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–29	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	5	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–43	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #18S (SOUTHBOUND) LEFT — SHEET 13 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	38	RAIL POST W6x25 WITH BASE PLATE
	38	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	13	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	13	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	38	1/8" THICK BEARING PAD
	152	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	104	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–7	1	RAIL TUBE (UPPER) 8x4x5/16 14'–7 5/8" OAL
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
△1 –15	2	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–27	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–28	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–34	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–42	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–49	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED BOTH ENDS)
–7	1	RAIL TUBE (LOWER) 4x4x1/4 14'–7 5/8" OAL
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
△1 –15	2	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–27	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–28	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–34	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–42	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)
–49	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED BOTH ENDS)

BR #18S (SOUTHBOUND) RIGHT — SHEET 14 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
△1	38	RAIL POST W6x25 WITH BASE PLATE
△1	38	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	12	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	12	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
△1	38	1/8" THICK BEARING PAD
△1	152	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	96	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–1	1	RAIL TUBE (UPPER) 8x4x5/16 7'–0 3/4" (SLOTTED BOTH ENDS)
–11	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–27	3	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–28	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–44	1	RAIL TUBE (UPPER) 8x4x5/16 24'–4 3/8" (SLOTTED ONE END)
–48	3	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED ONE END)
–1	1	RAIL TUBE (LOWER) 4x4x1/4 7'–0 3/4" (SLOTTED BOTH ENDS)
–11	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–27	3	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–28	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–33	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–44	1	RAIL TUBE (LOWER) 4x4x1/4 24'–4 3/8" (SLOTTED ONE END)
–48	3	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED ONE END)

BR #18N (NORHTBOUND) LEFT — SHEET 15 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	39	RAIL POST W6x25 WITH BASE PLATE
	39	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	11	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	11	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	39	1/8" THICK BEARING PAD
	156	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	88	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–11	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–14	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL
–31	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10 5/8" OAL
–33	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–34	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–42	2	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–47	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" OAL
–48	2	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED ONE END)
–49	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED BOTH ENDS)
–11	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–14	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL
–31	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10 5/8" OAL
–33	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–34	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–42	2	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)
–47	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" OAL
–48	2	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED ONE END)
–49	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED BOTH ENDS)

BR #18N (NORHTBOUND) RIGHT — SHEET 16 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	36	RAIL POST W6x25 WITH BASE PLATE
	36	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	12	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	12	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	36	1/8" THICK BEARING PAD
	144	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	96	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	36	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–2	1	RAIL TUBE (UPPER) 8x4x5/16 11'–9 1/2" OAL
–4	1	RAIL TUBE (UPPER) 8x4x5/16 12'–11" (SLOTTED BOTH ENDS)
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–15	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–27	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL
–28	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED ONE END)
–34	3	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–42	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–48	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED ONE END)
–2	1	RAIL TUBE (LOWER) 4x4x1/4 11'–9 1/2" OAL
–4	1	RAIL TUBE (LOWER) 4x4x1/4 12'–11" (SLOTTED BOTH ENDS)
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–15	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–27	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL
–28	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED ONE END)
–34	3	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–42	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)
–48	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED ONE END)

BR #17S (SOUTHBOUND) LEFT — SHEET 17 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	114	RAIL POST W6x25 WITH BASE PLATE
	114	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	34	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	34	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	114	1/8" THICK BEARING PAD
	456	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	304	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–10	1	RAIL TUBE (UPPER) 8x4x5/16 15'– 5 1/4" OAL
–12	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–16	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–24	1	RAIL TUBE (UPPER) 8x4x5/16 19'–9 1/2" (SLOTTED ONE END)
–33	6	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–37	1	RAIL TUBE (UPPER) 8x4x5/16 23'–2 3/8" (SLOTTED BOTH ENDS)
–38	6	RAIL TUBE (UPPER) 8x4x5/16 23'–7 13/16" OAL
–39	1	RAIL TUBE (UPPER) 8x4x5/16 23'–7 13/16" (SLOTTED ONE END)
–40	17	RAIL TUBE (UPPER) 8x4x5/16 23'–10" OAL
–43	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–10	1	RAIL TUBE (LOWER) 4x4x1/4 15'– 5 1/4" OAL
–12	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–16	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–24	1	RAIL TUBE (LOWER) 4x4x1/4 19'–9 1/2" (SLOTTED ONE END)
–33	6	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–37	1	RAIL TUBE (LOWER) 4x4x1/4 23'–2 3/8" (SLOTTED BOTH ENDS)
–38	6	RAIL TUBE (LOWER) 4x4x1/4 23'–7 13/16" OAL
–39	1	RAIL TUBE (LOWER) 4x4x1/4 23'–7 13/16" (SLOTTED ONE END)
–40	17	RAIL TUBE (LOWER) 4x4x1/4 23'–10" OAL
–43	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #17S (SOUTHBOUND) RIGHT — SHEET 18 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	113	RAIL POST W6x25 WITH BASE PLATE
	113	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	34	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	34	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	113	1/8" THICK BEARING PAD
	452	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	304	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–10	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–12	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–16	3	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–30	1	RAIL TUBE (UPPER) 8x4x5/16 21'–10" (SLOTTED BOTH ENDS)
–33	6	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–38	16	RAIL TUBE (UPPER) 8x4x5/16 23'–7 13/16" OAL
–41	7	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–43	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–51	1	RAIL TUBE (UPPER) 8x4x5/16 27'–6 3/4" (SLOTTED BOTH ENDS)
–10	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–12	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–16	3	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–30	1	RAIL TUBE (LOWER) 4x4x1/4 21'–10" (SLOTTED BOTH ENDS)
–33	6	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–38	16	RAIL TUBE (LOWER) 4x4x1/4 23'–7 13/16" OAL
–41	7	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–43	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)
–51	1	RAIL TUBE (LOWER) 4x4x1/4 27'–6 3/4" (SLOTTED BOTH ENDS)

BR #17N (NORTHBOUND) LEFT — SHEET 19 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	113	RAIL POST W6x25 WITH BASE PLATE
	113	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	35	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	35	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	113	1/8" THICK BEARING PAD
	452	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	312	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–10	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–12	3	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–14	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" OAL
–16	2	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–20	1	RAIL TUBE (UPPER) 8x4x5/16 18'–10 7/16" (SLOTTED BOTH ENDS)
–33	9	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	19	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–43	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–10	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–12	3	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–14	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" OAL
–16	2	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–20	1	RAIL TUBE (LOWER) 4x4x1/4 18'–10 7/16" (SLOTTED BOTH ENDS)
–33	9	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	19	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–43	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)

BR #17N (NORTHBOUND) RIGHT — SHEET 20 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	113	RAIL POST W6x25 WITH BASE PLATE
	113	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	34	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	34	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	4	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	4	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	113	1/8" THICK BEARING PAD
	452	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	304	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–10	3	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL
–12	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END)
–16	2	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END)
–33	8	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL
–35	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END)
–41	20	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL
–43	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END)
–45	1	RAIL TUBE (UPPER) 8x4x5/16 24'–8 3/8" (SLOTTED BOTH ENDS)
–50	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED BOTH ENDS)
–10	3	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL
–12	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END)
–16	2	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END)
–33	8	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL
–35	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END)
–41	20	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL
–43	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END)
–45	1	RAIL TUBE (LOWER) 4x4x1/4 24'–8 3/8" (SLOTTED BOTH ENDS)
–50	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED BOTH ENDS)

BR #8 LEFT — SHEET 21 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	45	RAIL POST W6x25 WITH BASE PLATE
	45	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	15	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	45	1/8" THICK BEARING PAD
	180	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	120	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–3	1	RAIL TUBE (UPPER) 8x4x5/16 11'–9 1/2" (SLOTTED BOTH ENDS) (SHOP CURVE)
–52	2	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL (SHOP CURVE)
–53	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END) (SHOP CURVE)
–54	1	RAIL TUBE (UPPER) 8x4x5/16 16'–3" (SLOTTED ONE END) (SHOP CURVE)
–55	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL (SHOP CURVE)
–56	3	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END) (SHOP CURVE)
–57	3	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL (SHOP CURVE)
–58	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END) (SHOP CURVE)
–59	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" OAL (SHOP CURVE)
–60	1	RAIL TUBE (UPPER) 8x4x5/16 26'–0 1/8" (SLOTTED ONE END) (SHOP CURVE)
–3	1	RAIL TUBE (LOWER) 4x4x1/4 11'–9 1/2" (SLOTTED BOTH ENDS) (SHOP CURVE)
–52	2	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL (SHOP CURVE)
–53	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END) (SHOP CURVE)
–54	1	RAIL TUBE (LOWER) 4x4x1/4 16'–3" (SLOTTED ONE END) (SHOP CURVE)
–55	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL (SHOP CURVE)
–56	3	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END) (SHOP CURVE)
–57	3	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL (SHOP CURVE)
–58	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END) (SHOP CURVE)
–59	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" OAL (SHOP CURVE)
–60	1	RAIL TUBE (LOWER) 4x4x1/4 26'–0 1/8" (SLOTTED ONE END) (SHOP CURVE)

BR #8 RIGHT — SHEET 22 of 24

BILL OF MATERIAL

Mk.	Qty.	Description
	46	RAIL POST W6x25 WITH BASE PLATE
	46	ANCHORAGE ASSEMBLY WITH PLATE (4) ANCHOR STUDS & HARDWARE *
	15	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–8" OAL)
	15	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–8" OAL)
	0	UPPER RAIL SPLICE TUBE 7x3x3/8 (1'–11 3/4" OAL)
	0	LOWER RAIL SPLICE TUBE 3x3x3/8 (1'–11 3/4" OAL)
	46	1/8" THICK BEARING PAD
	184	3/4" DIA x 6" LG. ROUND–SLOTTED HEAD BOLT WITH WASHER & LOCKNUT
	120	5/8" DIA x 1–3/4" HEX HEAD BOLT WITH HARDENED WASHER
	32	3/4" SCH 40 SPACER PIPE x 1/2" LONG
–6	1	RAIL TUBE (UPPER) 8x4x5/16 13'–7" (SLOTTED ONE END) (SHOP CURVE)
–36	1	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED BOTH ENDS) (SHOP CURVE)
–46	1	RAIL TUBE (UPPER) 8x4x5/16 25'–2 11/16" OAL (SHOP CURVE)
–61	1	RAIL TUBE (UPPER) 8x4x5/16 14'–7 5/8" OAL (SHOP CURVE)
–62	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" OAL (SHOP CURVE)
–63	1	RAIL TUBE (UPPER) 8x4x5/16 15'–5 1/4" (SLOTTED ONE END) (SHOP CURVE)
–64	2	RAIL TUBE (UPPER) 8x4x5/16 21'–10" OAL (SHOP CURVE)
–65	2	RAIL TUBE (UPPER) 8x4x5/16 23'–0" OAL (SHOP CURVE)
–66	4	RAIL TUBE (UPPER) 8x4x5/16 23'–0" (SLOTTED ONE END) (SHOP CURVE)
–67	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" OAL (SHOP CURVE)
–68	1	RAIL TUBE (UPPER) 8x4x5/16 23'–11" (SLOTTED ONE END) (SHOP CURVE)
–6	1	RAIL TUBE (LOWER) 4x4x1/4 13'–7" (SLOTTED ONE END) (SHOP CURVE)
–36	1	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED BOTH ENDS) (SHOP CURVE)
–46	1	RAIL TUBE (LOWER) 4x4x1/4 25'–2 11/16" OAL (SHOP CURVE)
–61	1	RAIL TUBE (LOWER) 4x4x1/4 14'–7 5/8" OAL (SHOP CURVE)
–62	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" OAL (SHOP CURVE)
–63	1	RAIL TUBE (LOWER) 4x4x1/4 15'–5 1/4" (SLOTTED ONE END) (SHOP CURVE)
–64	2	RAIL TUBE (LOWER) 4x4x1/4 21'–10" OAL (SHOP CURVE)
–65	2	RAIL TUBE (LOWER) 4x4x1/4 23'–0" OAL (SHOP CURVE)
–66	4	RAIL TUBE (LOWER) 4x4x1/4 23'–0" (SLOTTED ONE END) (SHOP CURVE)
–67	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" OAL (SHOP CURVE)
–68	1	RAIL TUBE (LOWER) 4x4x1/4 23'–11" (SLOTTED ONE END) (SHOP CURVE)

* – ANCHORAGE ASSEMBLY (PLATES, STUDS & HARDWARE) INCLUDED IN PAY ITEM 525.33 BUT PROVIDED BY OTHERS,
(NOT SUPPLIED BY HIGHWAY SAFETY CORPORATION)

REVISIONS		
No.	Remarks	Date
0	Initial submittal	01.26.01
1	FINAL "AS-BUILT"	11.08.01

HIGHWAY SAFETY CORP.
GLASTONBURY, CT

ITEM 525.33 – BRIDGE RAILING NETC 2-RAIL
IM IR 089–1(8)
WINDSOR COUNTY
TOWNS OF HARTFORD, SHARON & ROYALTON
INTERSTATE ROUTE 89

GENERAL CONTRACTOR: MORRILL CONSTRUCTION INC.
SUB CONTRACTOR: F.R. LAFAYETTE INC.

DRAWN: P. Radice
CHECKED: [signature]
DATE: 1/23/01
SCALE: NONE
HSC REFERENCE NO.: 1239
SIZE: D
REVISION: △1
SHEET NO.: 24 of 24