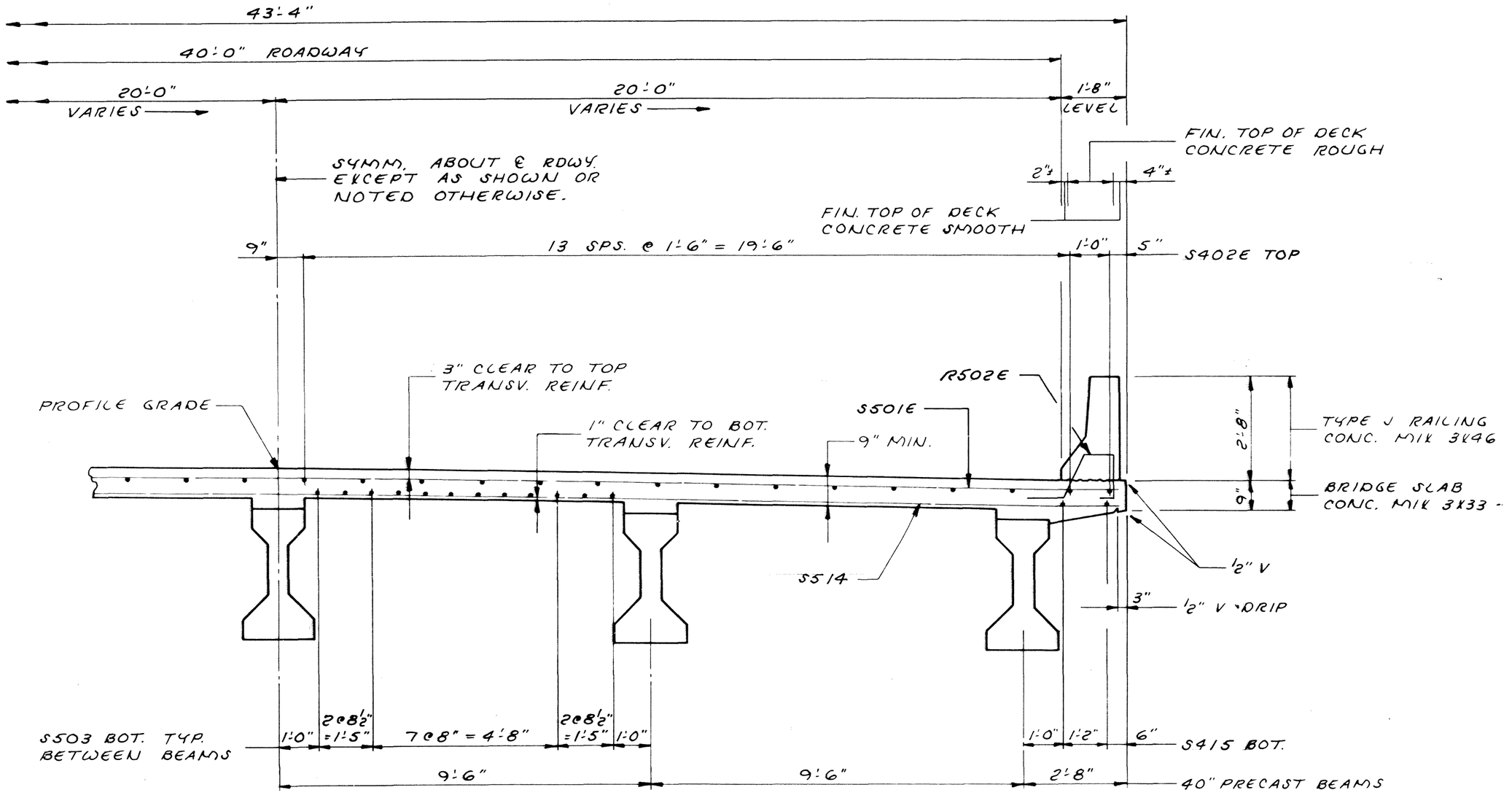
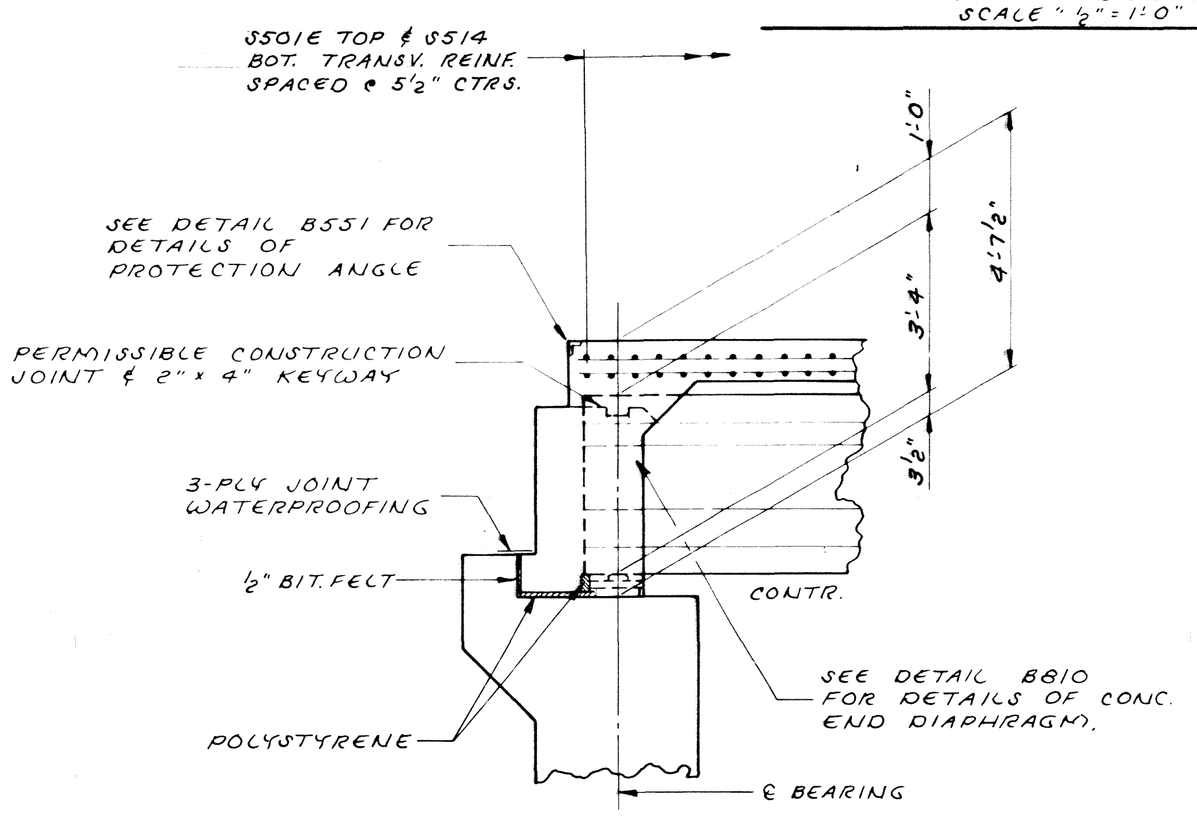


HALF TRANSVERSE SECTION THRU DECK

SCALE: ½" = 1'-0"



LONGITUDINAL SECTION AT ABUTMENT

SCALE: ½" = 1'-0"

BILL OF REINFORCEMENT ~ SUPERSTRUCTURE

	BAR	NO.	LGTH.	SHAPE	LOCATION
	S501E	150	45'-9"	STRT.	SLAB ~ TRANSVERSE ~ TOP
(1)	S402E	90	24'-0"	"	" ~ LONGITUDINAL ~ TOP
(2)	S503	96	35'-4"	"	" "
	S404	16	24'-0"	"	END DIAPHRAGM ~ HORIZ.
	S505	20	5'-0"	"	" " "
	S406	16	9'-2"	"	" " "
	S407	32	7'-6"	"	" " "
	S408	16	1'-6"	"	" "
(3)	S409	48	6'-4"	BENT	" " ~ TIE
(3)	S410	48	10'-3"	"	" " "
(3)	S411	8	11'-0"	"	" " "
	S412	20	3'-3"	"	" " "
	S413	8	1'-7"	STRT.	" "
	S514	150	45'-9"	"	SLAB ~ TRANSVERSE ~ BOT.
(1)	S415	12	24'-0"	"	" ~ LONGITUDINAL ~ BOT.

(1) 3 LINES, 1'-6" MIN. LAP
(2) 2 LINES, 1'-11" MIN. LAP
(3) SEE DETAIL B810 FOR DETAILS.

(4) SUMMARY OF QUANTITIES ~ SUPERSTRUCTURE

(11)	BRIDGE SLAB CONCRETE (3X33)	29.88	SQ. FT.
(10)	TYPE J RAILING CONCRETE (3X46)	139	LIN. FT.
(7)	REINFORCEMENT BARS	12170	POUND
	STRUCTURAL STEEL (3306)	565	POUND
	FLOOR DRAINS, TYPE 1	3	EACH
(8)	NAME R (SEE DETAIL B103)		
(8) (5)	CORK 1" x 11" x 1'-7" (RAILING)	6	PCS.
(8) (5)	3-PLY JOINT WATERPROOFING	150	LIN. FT.
(9)	PROTECTION ANGLE (SEE DETAIL B551)		
(8) (5)	POLYSTYRENE, TYPE A 1" x 1'-10"	95	LIN. FT.
(8) (5)	POLYSTYRENE, TYPE A 1" x 3½"	18	LIN. FT.
(12) (8) (5)	POLYSTYRENE, TYPE A 1" x 9"	10	LIN. FT.
(8) (5)	POLYSTYRENE, TYPE A 2" x 3½"	22	LIN. FT.
(5)	EXPANSION CURVED R BEARING ASSEMBLY, TYPE 1	10	EACH
(6)	STRUCTURE CONCRETE (3X43)	20	CU. YD.
	PRESTRESSED CONCRETE BEAMS, TYPE 40-69	5	EACH
	DIAPHRAGMS FOR TYPE 40 PRESTRESSED BEAMS	81	LIN. FT.
(8) (5)	CORK 1" x 1'-5" (ABUTS)	20	LIN. FT.
(8) (5)	BIT. FELT ½" x 9" (SHEAR BLOCKS)	25	LIN. FT.
	REINFORCEMENT BARS (EPOXY COATED)	11490	POUND

(4) INCLUDES RAILING QUANTITIES.
(5) SEE SPECIAL PROVISIONS.
(6) END DIAPHRAGM CONCRETE
(7) INCLUDES END DIAPHRAGM REINFORCEMENT.
(8) INCLUDED IN PRICE BID FOR OTHER ITEMS.
(9) INCLUDED IN STRUCTURAL STEEL (3306)
(10) APPROX. VOL. = 14 CU. YDS.
(11) APPROX. VOL. = 91 CU. YDS. (AVG. STOOL HEIGHT = 2")
(12) CUT 2 FROM 1

MINNESOTA DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 02548

SUPERSTRUCTURE DETAILS

APPROVED: 5-6-87

S.A.P. 02-622-20	02548	RMT
SHEET 56 OF 64 SHEETS		RRT