

SECTION A-A
CONCRETE END DIAPHRAGMS
EDGE TO EDGE OF SLAB

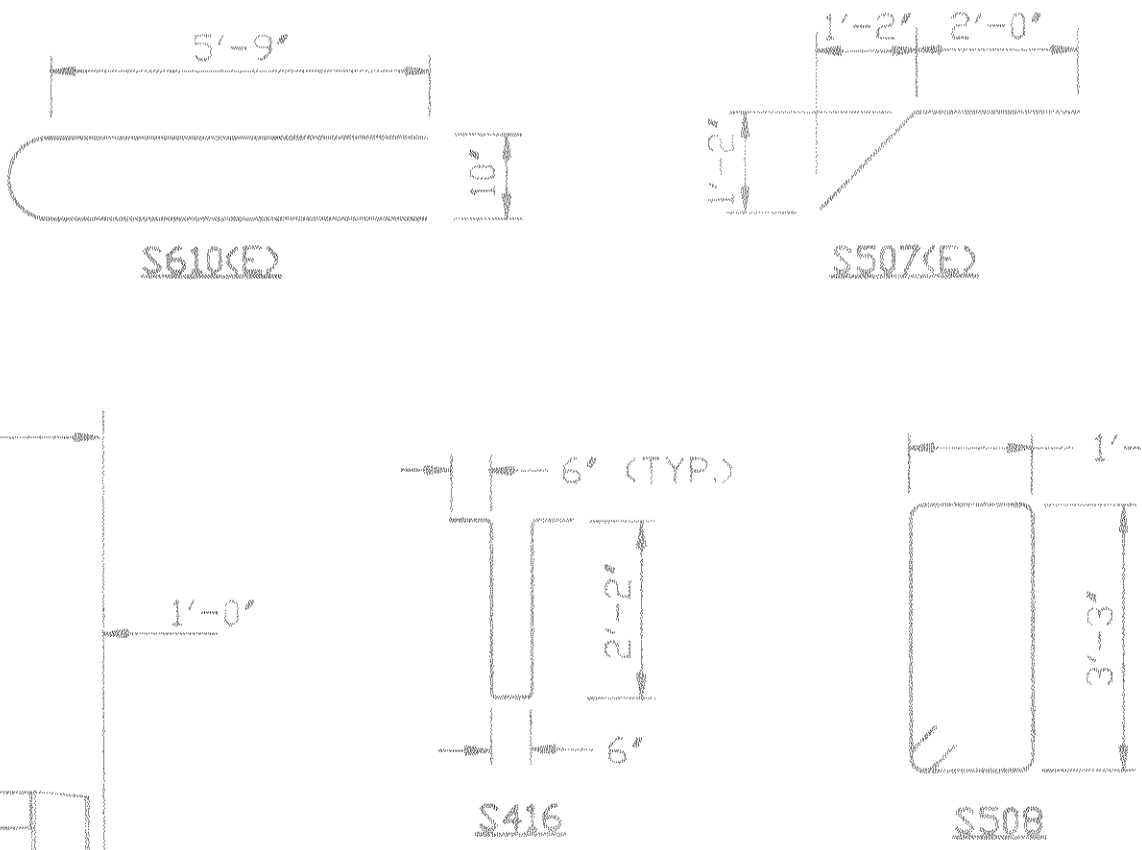
SECTION B-B
INTERMEDIATE DIAPHRAGMS, CONCRETE
ALTERNATE, BETWEEN EXT. GIRDERS

*USE S613 BARS OUTSIDE OF EXT. GIRDERS.
**PLACE S614 BARS THRU PIPE INSERTS PRIOR TO ERECTION OF FINAL EXT. GIRDER, THEN LAP (2'-7" MIN.) WITH S617 BARS THREADED INTO LOOP ANCHOR INSERTS OF EXT. GIRDERS.

PLAN
SINGLE SPAN CAST-IN-PLACE CONCRETE DECK
ON PRECAST CONCRETE GIRDERS.

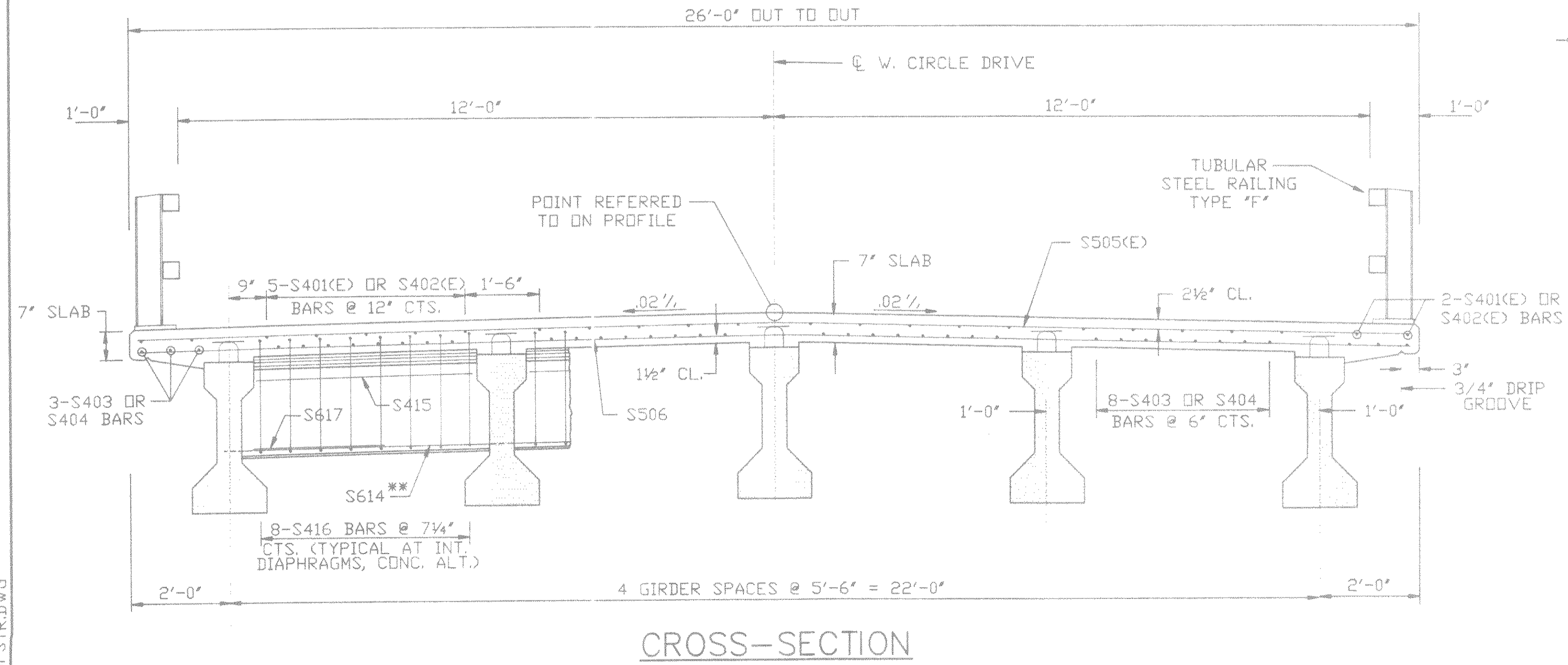
BAR LIST

MARK	SHAPE	NO.	LENGTH	WEIGHT	LOCATION
S401(E)	—	24	40'-0"	641	SLAB TOP (LONG.)
S402(E)	—	24	32'-9"	525	SLAB TOP (LONG.)
S403	—	38	40'-0"	1015	SLAB BOTTOM (LONG.)
S404	—	38	32'-9"	831	SLAB BOTTOM (LONG.)
S505(E)	—	133	25'-8"	3560	SLAB TOP (TRANS.)
S506	—	108	25'-8"	2891	SLAB BOTTOM (TRANS.)
S507(E)	—	48	3'-8"	184	SLAB TOP, END TIES
S508	—	52	9'-9"	529	END DIAPHRAGM, STIRRUPS
S609	—	8	25'-8"	308	END DIAPHRAGM (HORZ.)
S610(E)	—	20	12'-3"	369	RAIL POST ANCHOR (TRANS.)
S611(E)	—	40	4'-0"	240	RAIL POST ANCHOR (LONG.)
S612	—	16	3'-8"	88	END DIAPHRAGM (INT. HORZ.)
S613	—	8	1'-5"	17	END DIAPHRAGM (EXT. HORZ.)
S614	—	2	20'-2"	61	INT. DIAPHRAGM (BOT. HORZ.)
S415	—	8	4'-3"	23	INT. DIAPHRAGM (TOP HORZ.)
S416	—	32	5'-6"	118	INT. DIAPHRAGM STIRRUPS
S617	—	4	3'-0"	18	INT. DIAPHRAGM (EXT. TIES)
					THREAD 3", ONE END.
					Σ = 5899 LBS. (PLAIN)
					Σ = 5518 LBS. (EPOXY COATED)



NOTES

EDGES OF EXPOSED CONCRETE SHALL BE CHAMFERED 3/4", EXCEPT AS SHOWN.
REINFORCING BARS SHALL HAVE A MINIMUM COVER OF 2", EXCEPT AS SHOWN.
BENDS IN REINFORCING BARS NOT SPECIFICALLY DETAILED SHALL BE STANDARD HOOKS AND BENDS FOR STIRRUPS.
REINFORCING BARS WITH THE DESIGNATION (E) SHALL BE EPOXY COATED. SEE SHEET NO. 7 OF 7 FOR DETAILS OF RAIL POST ANCHORAGES...
ALTERNATE TOP LONGITUDINAL BARS IN THE SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS. BOTTOM TRANSVERSE BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.
ARMOR ANGLES SHALL BE MADE FROM MATERIAL CONFORMING TO A.S.T.M. DESIGNATION A36, FABRICATED TO CONFORM WITH THE ROADWAY CROWN, SAND BLASTED AND GALVANIZED AFTER FABRICATION, AND PAID FOR AS STRUCTURAL CARBON STEEL.
ALL SURFACES OF THE PRESTRESSED GIRDERS THAT WILL BE WITHIN THE LIMITS OF THE CONCRETE END DIAPHRAGMS SHALL BE COATED WITH PARAFFIN WAX.
ALTERNATE STEEL INTERMEDIATE DIAPHRAGMS, FABRICATED AND ERECTED IN COMPLIANCE WITH SHEET 6 OF 7, MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE DIAPHRAGMS SHOWN. NO ADDITIONAL PAYMENT WILL BE MADE IF THE STEEL ALTERNATE IS USED.



CROSS-SECTION

No.	Date	Revision	By
BECHER-HOPPE Inc. ENGINEERS, ARCHITECTS, PLANNERS 330 Fourth Street Wausau, WI. 54402			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-35-104			
Const. Spec.:	WI. 1989	Drawn By:	DGK
Plans Checked:			
SUPER-STRUCTURE			SHEET 5 of 7 X82697

S-SUPSTR.DWG