

HAUNCH HEIGHTS FOR GIRDER STIRRUP PROJECTION

NOTE: HAUNCH HEIGHTS ARE BASED ON THE TIME DEPENDENT VARIABLE "PRESTRESSED CAMBER" ASSUMING NORMAL CONSTRUCTION SCHEDULING.

TOP OF DECK ELEVATIONS AT C OF GIRDERS

LOCATION	GIRDER 1 ELEVATION	GIRDER 2 ELEVATION	GIRDER 3 ELEVATION	GIRDER 4 ELEVATION
C WEST ABUTMENT	459.925	459.970	459.975	459.940
1/4 POINT	459.960	460.005	460.010	459.970
1/2 POINT	459.975	460.020	460.020	459.975
3/4 POINT	459.970	460.010	460.005	459.960
C EAST ABUTMENT	459.940	459.975	459.970	459.925

BILL OF BARS

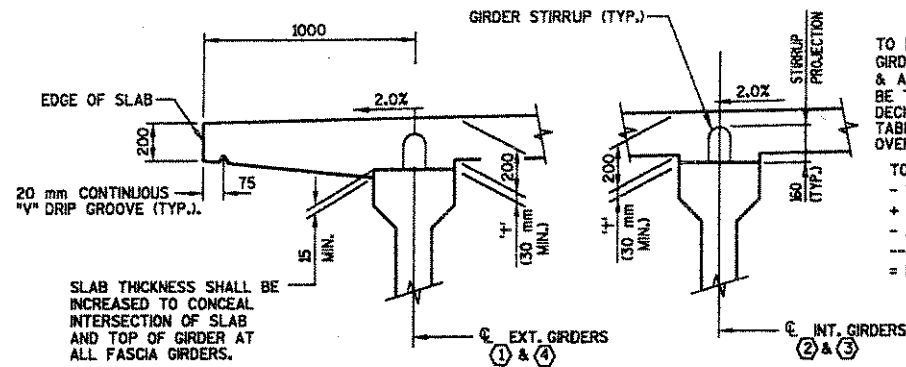
COATED 2900 kg
UNCOATED 1940 kg

MARK	NO. REQUIRE		LENGTH	BENT	LOCATION
	COATED	UNCOATED			
S1601	54	-	3600	X	DIAPHRAGM @ ABUTS. - STIRRUP - VERTICAL
S1602	4	-	3450	X	DIAPHRAGM @ ABUTS. - STIRRUP @ WINGS 2 & 4 - VERTICAL
S1903	12	-	8150	-	DIAPHRAGM @ ABUTS. - BACK FACE & TOP - HORIZONTAL
S1904	4	-	700	-	DIAPHRAGM @ ABUTS. - FRONT FACE - END BAYS - HORIZONTAL
S1905	8	-	750	-	DIAPHRAGM @ ABUTS. - FRONT FACE - END BAYS - HORIZONTAL
S1906	4	-	850	-	DIAPHRAGM @ ABUTS. - FRONT FACE - END BAYS - HORIZONTAL
S1907	6	-	1500	-	DIAPHRAGM @ ABUTS. - FRONT FACE - INTERIOR BAYS - HORIZONTAL
S1908	12	-	1650	-	DIAPHRAGM @ ABUTS. - FRONT FACE - INTERIOR BAYS - HORIZONTAL
S1909	6	-	1800	-	DIAPHRAGM @ ABUTS. - FRONT FACE - INTERIOR BAYS - HORIZONTAL
S1310	18	-	1800	X	DIAPHRAGM IN SPAN - STIRRUP - VERTICAL
XX S1911	-	12	1400	-	DIAPHRAGM IN SPAN - HORIZONTAL
S1312	-	6	1650	-	DIAPHRAGM IN SPAN - HORIZONTAL
S1613	77	86	8150	-	SLAB - TOP & BOTTOM - TRANSVERSE
S1314	41	40	12 000	-	SLAB - TOP & BOTTOM - LONGITUDINAL
S1315	-	40	8150	-	SLAB - BOTTOM - LONGITUDINAL
S1316	41	-	8200	-	SLAB - TOP - LONGITUDINAL
S1917	16	-	3700	X	SLAB @ RAIL POST, 1 PER POST - TRANSVERSE
S1918	32	-	1250	-	SLAB @ RAIL POST, 2 PER POST - LONGITUDINAL
S1619	16	-	7550	-	SLAB - TOP - @ RAIL POSTS AS NOTED BELOW - TRANSVERSE

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

XX - S1911 DEFORMED BAR, THREAD ONE END 75 mm.

▲ - PLACE TWO S1619 BARS IN LIEU OF TWO S1613 COATED BARS AT RAIL POSTS TO AVOID CONFLICT WITH S1917 BARS.

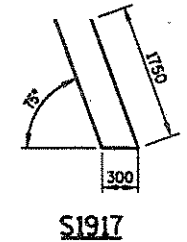
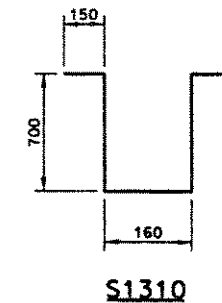
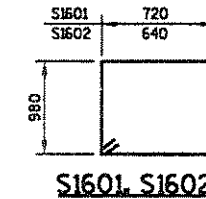


TO DETERMINE 'H' ELEV. OF TOP OF GIRDERS AT C OF SUBSTRUCTURE UNITS & AT 1/4 POINTS OF EACH SPAN SHALL BE TAKEN. TO DETERMINE THE TOP OF DECK ELEVATION FOR POINT REFERRED USE TABLE ABOVE AND ADJUST FOR CROSS SLOPE OVER GIRDER. THEN FOLLOW THIS PROCESS:

- TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
- + DEADLOAD DEFLECTION (SEE SHEET 6)
- SLAB THICKNESS
- = HAUNCH HEIGHT 'H'

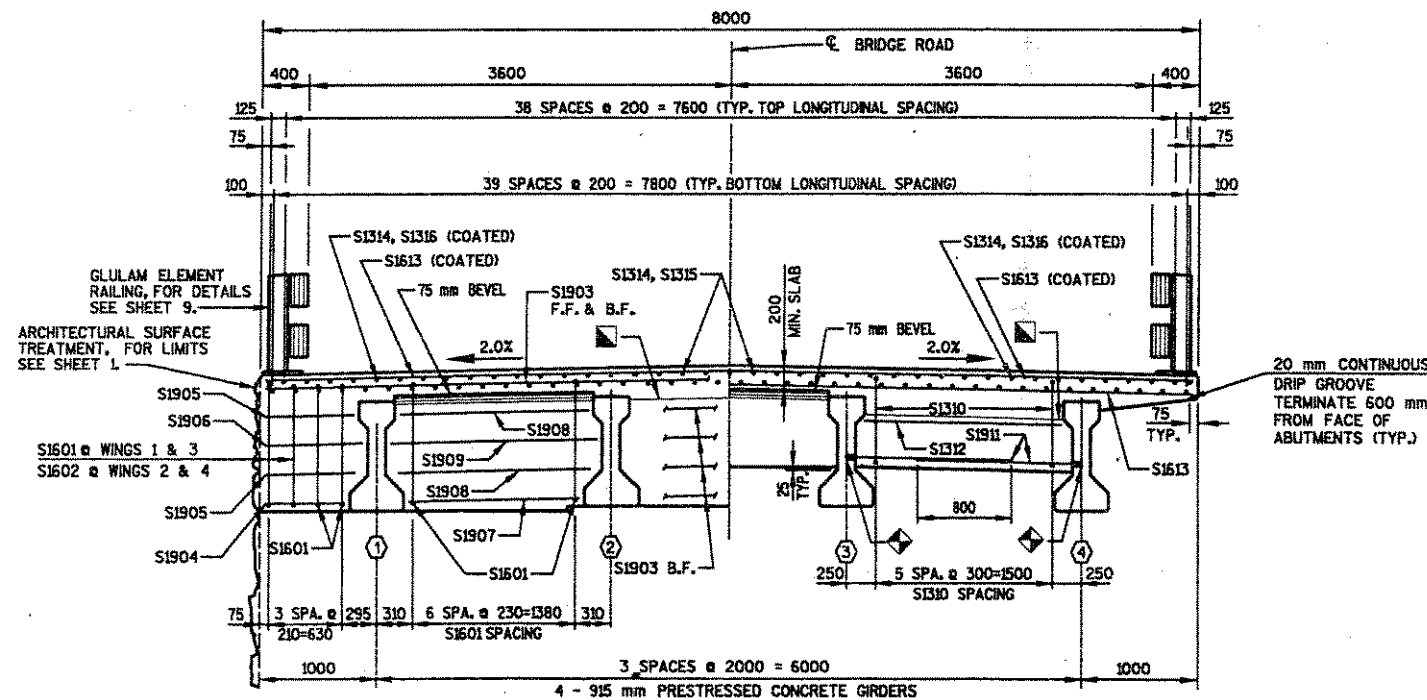
SLAB HAUNCH DETAIL

IF 30 mm MINIMUM HAUNCH HEIGHT 'H' CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. MAXIMUM HAUNCH HEIGHT EQUALS "STIRRUP PROJECTION" MINUS 75 mm.



LEGEND

- - INDICATES GIRDER NUMBER
- ◻ - OPTIONAL CONSTRUCTION JOINT (TYP. ALL BAYS).
- ◆ - DIAPHRAGM INSERTS TO BE CAST IN GIRDERS. FOR DETAILS SEE SHEET 6.



CROSS SECTION THRU BRIDGE (LOOKING EAST)

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-35-136			
Const. Spec.	WI 96"	Drawn By RLR	Plans Checked JMB
SUPERSTRUCTURE DETAILS			SHEET 8 OF 9

PLOT SCALE:

MSA #: 9396610B

REV. DATE: 9-22-97

ORIGINATOR: RLR
LEVELS ON: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63