

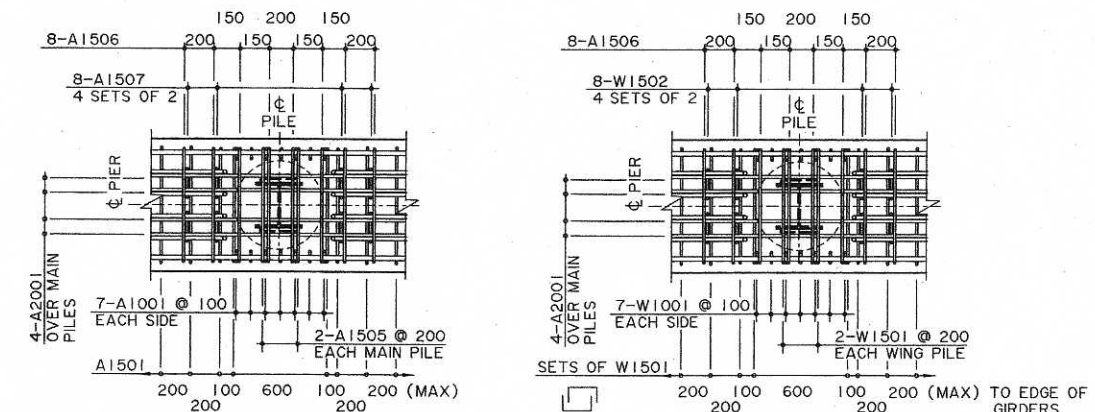
DATA FOR STANDARD SC PRECAST GIRDER BRIDGES WITH PRECAST CONCRETE SUBSTRUCTURES

		8940 (8)				10160 (9)				11370 (10)				12590 (11)				13810 (12)				15020 (13)			
		0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°
REINFORCING ONE ABUTMENT																									
CLEAR ROADWAY (GIRDERS PER SPAN)		46				57				68				78				88				100			
SKEW		18				22				28				36				46				56			
NUMBER OF STIRRUPS A1501		18				22				28				36				46				56			
NUMBER OF U-BARS A1502		18				22				28				36				46				56			
LENGTH OF TOP BARS A2501		9000				9000				12000				9000				12000				12000			
LENGTH " " " "		6				6				6				6				6				6			
NUMBER " " " " A2502		6				6				6				6				6				6			
LENGTH " " " " "		9720				10935				11320				12000				12000				12000			
NUMBER " " " " "		6				6				6				6				6				6			
LENGTH OF SIDE BARS A2503		12000				12000				12000				12000				12000				12000			
NUMBER " " " " "		4				4				4				4				4				4			
LENGTH " " " " "		4335				6125				8050				9410				10985				12855			
NUMBER " " " " "		4				4				4				4				4				4			
LENGTH OF BOTTOM BARS A3001		12000				12000				12000				12000				12000				12000			
NUMBER " " " " "		2				2				2				2				2				2			
LENGTH " " " " "		4235				6020				7490				8920				10365				11825			
NUMBER " " " " "		2				2				2				2				2				2			
LENGTH OF TOPPING BARS A1503		2360				2360				2360				2360				2360				2360			
NUMBER OF TOPPING BARS		12				12				12				12				12				12			
LENGTH OF TOPPING BARS A1504		2360				2440				2825				3400				3700				4230			
NUMBER OF TOPPING BARS		12				12				12				12				12				12			
LENGTH OF BOTTOM BARS A2505		825				1060				1380				1670				2020				2390			
NUMBER " " " " "		15				15				15				15				15				15			
LENGTH OF TOPPING BARS A2506		1815				2205				2855				3400				3965				4550			
NUMBER OF TOPPING BARS		6				6				6				6				6				6			
LENGTH OF BOTTOM BARS A1505		16				18				18				18				20				22			
NUMBER OF PILE TIES A1506		64				72				72				72				80				88			
NUMBER OF PILE STIRRUPS A1507		48				48				48				48				48				48			
NUMBER OF EDGE TIES A1001		84				98				98				98				112				126			
NUMBER OF PILE VOID BARS A2001		32				36				36				36				40				44			
NUMBER OF EDGE TIES W1001		28				28				28				28				28				28			
NUMBER OF WING U-BARS W1501		34				34				34				34				34				34			
NUMBER OF PILE TIES W1502		16				16				16				16				16				16			
LENGTH OF WING BARS W2501		2610				2705				3020				3710				2610				2705			
NUMBER OF WING BARS		12				12				12				12				12				12			
LENGTH OF BOTTOM BARS W2502		795				835				980				1290				795				835			
NUMBER OF BOTTOM BARS		6				6				6				6				6				6			
NUMBER OF GIRDER DOWELS Z2501H		8				8				8				8				10				10			

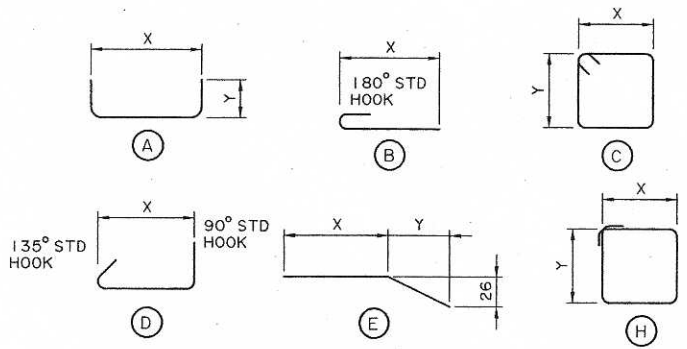
BAR LIST: FOR ONE ABUTMENT					
MARK	SIZE	TYPE	X	Y	LENGTH
A1001	10	B	500		640
A1501	15	C	790	500	2860
A1502	15	A	790	510	1810
A1503	15	E	G	600	G + 600
A1504	15	E	G	1200	G + 1200
A1505	15	A	790	500	1790
A1506	15	D	790		1070
A1507	15	H	180	500	1640
A2001	20	STR			2000
A2501	25	STR			A
A2502	25	STR			B
A2503	25	STR			C
A2504	25	STR			D
A2505	25	A	H	400	H + 800
A2506	25	A	J	400	J + 800
A3001	30	STR			E
A3002	30	STR			F
W1001	10	B	500		640
W1501	15	A	790	M VARIES UNIFORMLY 450 TO 510	2M + 790
W1502	15	H	180	450	1540
W2501	25	E	K	1400	K + 1400
W2502	25	A	L	400	L + 800
Z2501H	25	STR			750

NOTES:

- SUFFIX LETTER 'H' ON BAR MARK DENOTES HIGH STRENGTH SMOOTH BARS FABRICATED FROM ROUND BAR STOCK CONFORMING TO ASTM A-193-B7, HOT DIPPED GALVANIZED AFTER FABRICATION
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CAN/CSA G30.18 (LATEST EDITION) GRADE 400 UNLESS NOTED OTHERWISE



SECTION - REINFORCING DETAILS
 DETAIL AT MAIN H-PILE DETAIL AT WING H-PILE
 NOTE: -BOTTOM STEEL SHOWN
 S-1690-04 NTS



BAR TYPES
 (ALL BAR DIMENSIONS ARE OUT-TO-OUT) NTS

WORK DRAWINGS S-1690-04, S-1691-04, S-1692-04, S-1693-04, S-1694-04 AND S-1695-04 TOGETHER WITH SITE SPECIFIC GENERAL LAYOUT

 Responsible Solutions for a Sustainable Future	PERMIT TO PRACTICE CH2M HILL CANADA LIMITED Signature: <i>[Signature]</i> Date: <u>January 27, 2005</u> PERMIT NUMBER: P 2558 The Association of Professional Engineers, Geologists and Geophysicists of Alberta	DESIGNER DATE: <u>JAN 27, 2005</u>	CHECKER DATE: <u>Jan 27, 2005</u>	RECOMMENDED DIRECTOR BRIDGE ENGINEERING <i>[Signature]</i>	APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH <i>[Signature]</i> DATE: <u>Feb 3/05</u>	Alberta TRANSPORTATION SC PRECAST GIRDER BRIDGES WITH PRECAST CONCRETE SUBSTRUCTURES - SHT 5		
					DEPARTMENT BAR CODE	DATE 2005-01-27	SHEET 5 of 6	DRAWING S-1694-04