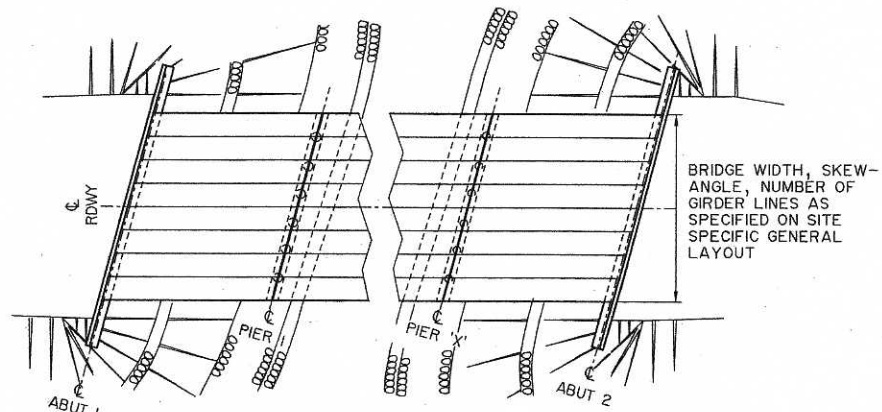


DATA FOR STANDARD SC PRECAST GIRDER BRIDGES WITH PRECAST CONCRETE SUBSTRUCTURES

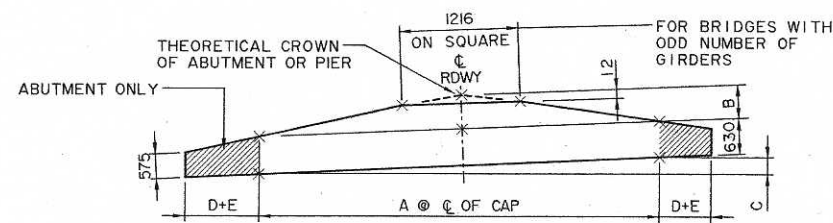
GENERAL	CLEAR ROADWAY (GIRDERS PER SPAN)	8940 (8)				10160 (9)				11370 (10)				12590 (11)				13810 (12)				15020 (13)					
		0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°		
OVERALL WIDTH	A	978	1006	1121	13743	10934	11320	12625	15463	12150	12578	14030	17183	13366	13838	15434	18902	14582	15096	16838	20622	15798	16355	18242	22342		
CROWN	B	97	97	97	97	109	109	109	109	122	122	122	122	134	134	134	134	146	146	146	146	158	158	158	158		
DIFFERENTIAL FOR ROADWAY GRADE OF	1%	0	26	56	97	0	29	63	109	0	33	70	122	0	36	77	134	0	39	84	146	0	42	91	158		
	2%	0	52	112	194	0	59	126	219	0	65	140	243	0	72	154	267	0	78	168	292	0	85	182	316		
	3%	0	78	168	292	0	88	189	328	0	98	210	365	0	107	232	401	0	117	253	437	0	127	272	474		
ABUT WING PROJECTION	D	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697		
ABUT WING PILE LOCATION	E	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070		
MAIN PILE NUMBER (ABUTMENT)		6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9		
NUMBER OF PILES EACH ABUTMENT		8	8	8	8	9	9	9	9	9	9	9	9	10	10	10	10	11	11	11	11	11	11	11	11		
NUMBER OF PILES EACH PIER		6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9		
PILE SPACING	F	1524	1577	1759	2155	1472	1524	1700	2082	1675	1734	1934	2369	1609	1666	1858	2276	1560	1615	1802	2207	1712	1773	1977	2421		
PILE END DISTANCE	G	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485		
NUMBER PER LINE		8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13		
SPACING	H	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719		
END DISTANCES	J	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121		
	K	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584		
LIFTING POINTS	ABUTMENT	END SPACING	L	1868	1934	2157	2642	1600	1656	1848	2263	1600	1656	1848	2263	1600	1656	1848	2263	1810	1874	2090	2560	1920	1988	2217	2715
		LIFTER SPACING	M	3770	3903	4353	5332	4353	4507	5026	6156	4749	4917	5484	6716	4932	5106	5695	6975	5430	5622	6270	7679	5762	5965	6653	8149
	PIER	CENTRE SPACING	N	3770	3903	4353	5332	4353	4507	5026	6156	4780	4949	5519	6760	5630	5829	6501	7962	5430	5622	6270	7679	5762	5965	6653	8149
		END SPACING	P	650	673	751	919	650	673	751	919	650	673	751	919	1450	1501	1674	2051	1450	1501	1674	2051	1450	1501	1674	2051
	LIFTER SPACING	Q	2806	2905	3240	3968	2944	3048	3399	4163	3350	3468	3868	4738	3411	3531	3939	4824	3852	3988	4448	5448	4295	4447	4959	6074	
	CENTRE SPACING	R	2806	2905	3240	3968	3746	3878	4326	5298	4150	4296	4792	5869	3645	3774	4209	5155	3978	4118	4593	5626	4308	4460	4974	6092	
PIECE WEIGHT (TONNES)	ABUTMENT CAP		19.5	20.5	23.0	29.0	21.0	22.0	25.0	32.0	23.0	24.0	27.0	35.0	25.0	26.0	30.0	38.0	27.0	28.0	32.0	41.0	29.0	30.0	34.0	44.0	
	PIER CAP		13.0	13.5	15.0	19.0	14.5	15.5	17.5	21.5	16.5	17.5	19.5	25.0	18.5	19.0	22.0	27.0	20.0	21.0	24.0	31.0	22.5	23.5	26.5	33.0	
	H-PILE OPTION		11.5	12.0	13.5	16.5	13.0	13.5	15.0	18.5	14.5	15.0	17.0	21.5	16.0	16.5	19.0	23.0	17.5	18.5	21.0	26.0	19.5	20.0	23.0	29.0	

*NOTE: ACTUAL PIECE WEIGHT MAY VARY FROM LISTED VALUE DEPENDING UPON ACTUAL UNIT WEIGHT OF REINFORCED CONCRETE vs. ASSUMED UNIT WEIGHT OF 24 kN/m³



BRIDGE PLAN

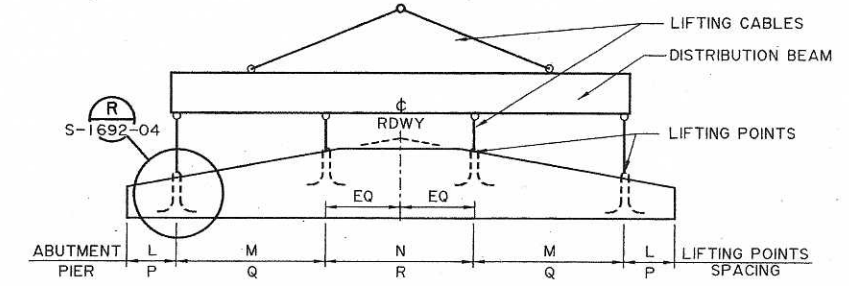
NTS



VERTICAL DIMENSIONING DETAIL

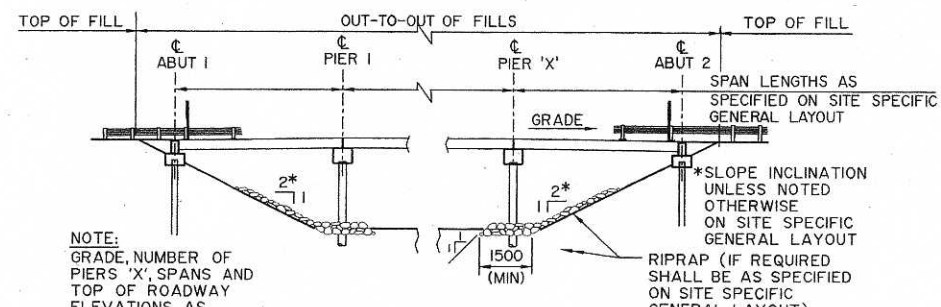
S-1690-04

NTS



CAP LIFTING ARRANGEMENT DETAIL

NTS



BRIDGE ELEVATION

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

	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 	CHECKER 	RECOMMENDED DIRECTOR BRIDGE ENGINEERING <i>[Signature]</i>	APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH <i>[Signature]</i>	Alberta TRANSPORTATION	
		DATE: <u>JAN 27, 2005</u>	DATE: <u>Jan 27, 2005</u>	DATE: <u>Feb 3/05</u>		DEPARTMENT BAR CODE	DATE: <u>2005-01-27</u>