

BILL OF REINFORCING - BLACK STEEL BARS - GIRDERS ONLY																			
	MARK	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	TOTAL (m)	MASS (kg)
GIRDERS	G1501	3300	15	2490	17		675	1140	675									8217.00	12900.69
	G1502	726	15	12000	STR													8712.00	13677.84
	G1503	726	15	2170	STR													1575.42	2473.41
	G1504	1518	15	1545	17		250	1045	250									2345.31	3682.14
	G1505	396	15	3720	T2	250	705	905	705	905		250						1473.12	2312.80
	G1506	396	15	2615	34		875	865	875				810		295			1035.54	1625.80
	G1507	396	15	2260	34		875	510	875				480		175			894.96	1405.09
	G1508	264	15	3000	T2	250	705	545	705	545		250						792.00	1243.44
	G2001	264	20	1550	2	300	1250											409.20	963.67
	TOTAL MASS																		40284.87

BILL OF REINFORCING - STAINLESS STEEL BARS - GIRDERS ONLY																			
	MARK	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	TOTAL (m)	MASS (kg)
GIRDERS	G1601S	3036	16	900	17		300	600										2732.40	4303.53
	TOTAL MASS																		4303.53

BILL OF REINFORCING - STAINLESS STEEL BARS																			
	MARK	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	TOTAL (m)	MASS (kg)
WEST ABUTMENT SOUTH WINGWALL	W1601S	19	16	2940	17		1380	180	1380									55.86	87.98
	W1602S	1	16	2750	17		1285	180	1285									2.75	4.33
	W1603S	1	16	2550	17		1185	180	1185									2.55	4.02
	W1604S	1	16	2360	17		1090	180	1090									2.36	3.72
	W1605S	1	16	2170	17		995	180	995									2.17	3.42
	W1606S	1	16	2080	17		950	180	950									2.08	3.28
	W1901S	4	19	6840	STR													27.36	61.51
	W1902S	4	19	7740	STR													30.96	69.60
	W2501S	1	25	8000	19			7250	750					2205		6890		8.00	32.30
	W2502S	1	25	7250	STR													7.25	29.27
WEST ABUTMENT NORTH WINGWALL	W1611S	47	16	1200	19			600	600				115		590			56.40	88.83
	W1612S	26	16	1200	STR													31.20	49.14
	W1613S	26	16	1430	32		590	220	620				670		135			37.18	58.56
	W1614S	10	16	890	STR													8.90	14.02
	W1615S	20	16	2280	STR													45.60	71.82
	W2503S	1	25	8850	19			7250	1600					2260		6890		8.85	35.73
W2504S	1	25	7250	STR													7.25	29.27	
EAST ABUTMENT SOUTH WINGWALL	W1621S	19	16	2860	17		1340	180	1340									54.34	85.59
	W1622S	1	16	2770	17		1295	180	1295									2.77	4.36
	W1623S	1	16	2570	17		1195	180	1195									2.57	4.05
	W1624S	1	16	2370	17		1095	180	1095									2.37	3.73
	W1625S	1	16	2180	17		1000	180	1000									2.18	3.43
	W1626S	1	16	1980	17		900	180	900									1.98	3.12
	W1627S	1	16	1840	17		830	180	830									1.84	2.90
	W1911S	4	19	6840	STR													27.36	61.51
	W1912S	4	19	7740	STR													30.96	69.60
	W2505S	1	25	8040	19			7250	790					2250		6865		8.04	32.46
W2506S	1	25	7250	STR													7.25	29.27	
TOTAL MASS																		28765.24	

BILL OF REINFORCING - STAINLESS STEEL BARS (CONTINUED)																			
	MARK	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	TOTAL (m)	MASS (kg)
EAST ABUTMENT NORTH WINGWALL	W1631S	47	16	1200	19			600	600				115		590			56.40	88.83
	W1632S	26	16	1430	32													37.18	58.56
	W1633S	26	16	1200	STR		590	220	620				670		135			31.20	49.14
	W1634S	10	16	890	STR													8.90	14.02
	W1635S	20	16	2280	STR													45.60	71.82
	W2507S	1	25	8730	19		7250	1480					2275		6870			8.73	35.24
	W2508S	1	25	7250	STR													7.25	29.27
	D1613S	98	16	2230	31		800	585	180	665				472		466		218.54	344.20
	D1614S	24	16	1150	STR													27.6	43.47
	D1901S	12	19	12000	STR													144	323.71
D1902S	10	19	7985	19		3115	4845					116		3113			79.60	178.94	
D1903S	6	19	2535	STR													15.21	34.19	
D1904S	6	19	6555	STR													39.33	88.41	
D1905S	8	19	4845	STR													38.76	87.13	
D1906S	14	19	3415	STR													47.81	107.47	
D1907S	6	19	7955	19		2690	5270					95		2688			47.76	107.36	
D1908S	2	19	7460	STR													14.92	33.54	
D1909S	94	19	1610	30	200	740	670					610		495			151.34	340.21	
ABUTMENT BACKWALL	D1601S	141	16	12000	STR													1692.00	2664.90
	D1602S	47	16	8260	STR													388.22	611.45
	D1603S	186	16	2000	17		1000	1000										372.00	585.90
	D1604S	71	16	12000	19		2670	9330				107		2670				852.00	1341.90
	D1605S	71	16	12000	19		5285	6715				211		5280				852.00	1341.90
	D1606S	142	16	3215	STR													456.53	719.03
	D1607S	284	16	1185	17		300	885										336.54	530.05
	D1608S	568	16	1195	35		300	190	705				690		134			678.76	1069.05
	D1609S	142	16	2100	40		600	360	180	360	600							298.20	469.67
	D1610S	180	16	1620	17		720	180	720									291.60	459.27
D1611S	12	16	12000	STR													144.00	226.80	
D1612S	12	16	2575	STR													30.90	48.67	
D2501S	92	20	10000	STR													920.00	3611.00	
SIDEWALK, CURB & BARRIER	S1601S	42	16	12000	STR													504.00	793.80
	S1602S	14	16	8260	STR													115.64	182.13
	S1603S	142	16	3925	STR													557.35	877.83
APPROACH SLABS	B1601S	314	16	1605	32		690	720		195			750		270			503.97	793.75
	B1602S	208	16	2875	STR													598.00	941.85
	B1603S	32	16	1645	STR													52.64	82.91
APPROACH SLABS	R1601S	48	16	10780	STR													517.44	814.97
	R1602S	24	16	10700	STR													256.8	404.46
	R1603S																		