CONCRETE TAKEOFF

	STRUCTURAL MEMBER	**NUMBER**	**DIMENSIONS (m)**	**VOLUME (m^3)**	**TOTAL VOLUME (m^3)**
1	Girders (25m long)	8	25×2×0.5	25	200
2	Girders (10m long)	16	10×2×0.5	10	160
3	Deck	1	45×13.82×0.2	124.38	124.38
4	Cap Beam	4	13.5×1.5×0.95	19.24	76.95
5	Pier	1	Φ long 8 Φ short 3 Depth 3	603.19	603.19
6	Pile Cap	1	12×12×1.5	216	216
7	Piles	4	Φ 1.0 Depth 30	23.56	94.25
8	Abutment	2	Mid 15.5×0.6×7.15 Sides 2×0.5×1.0× 0.6 (7.15+4.5)	66.50 6.99	73.49
				TOTAL	**1,548.26**

STEEL TAKEOFF

	STRUCTURAL MEMBER	NUMBER	NUMBER OF BARS	BAR DIAMETER (mm)	VOLUME /BAR (m^3)	TOTAL VOLUME /MEMBER(m^3)	TOTAL VOLUME (ALL MEMBERS) m^3
1	Girders (25m long)	8	Main=18 Distribution=2 Shear=167	32 32 10	0.0097 0.0097 0.000942	0.1737 0.0193 0.157	2.8
2	Girders (10m long)	16	Main=18 Distribution=2 Shear=67	32 32 10	0.0097 0.0097 0.000942	0.1737 0.0193 0.0631	4.1
3	Deck	1	Main=93 Distribution=56	16 12	0.0024 0.001357	0.224 0.076	0.3
4	Cap Beam	4	Main=17 Distribution=13 Shear=135	50 50 12	0.0236 0.0236 0.001357	0.401 0.306 0.1832	3.56
5	Pier	1	Main=300	32	0.0097	2.895	2.895
6	Pile Cap	1	B1=28 B2=30 Shear=17	32 25 16	0.0097 0.00589 0.0024	0.2702 0.177 0.041	0.49
7	Piles	4	Main=35 Links=125	32 8	0.0097 0.0006	0.3378 0.0754	1.65
8	Abutment	2	Wall Reinforcement Main=68 Distribution=90 Heel Reinforcement Main=54 Distribution=54	 32 20 25 20	 0.0097 0.0038 0.00589 0.0038	 0.6563 0.3393 0.3181 0.2036	3.03
					TOTAL		**18.825**