

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	212
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	116
20200100	EARTH EXCAVATION	CU YD	235
20300100	CHANNEL EXCAVATION	CU YD	535
① 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.4
28000400	PERIMETER EROSION BARRIER	FOOT	625
① 28101700	RIPRAP, SPECIAL	TON	345
28200200	FILTER FABRIC	SQ YD	440
① 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	481
① 48101200	AGGREGATE SHOULDERS, TYPE B	TON	43
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	95
50300225	CONCRETE STRUCTURES	CU YD	86.0
50300280	CONCRETE ENCASEMENT	CU YD	11.2
① 50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2,292
① 50800105	REINFORCEMENT BARS	POUND	7,470
* 50900205	STEEL RAILING, TYPE S-1	FOOT	195
51201400	FURNISHING STEEL PILES HP10x42	FOOT	444
51202305	DRIVING PILES	FOOT	132
51203400	TEST PILE STEEL HP10x42	EACH	2
51204650	PILE SHOES	EACH	8
51500100	NAME PLATES	EACH	1
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	2
67100100	MOBILIZATION	L SUM	1
① 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1
① X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1
① Z0065000	SETTING PILES IN ROCK	EACH	12

① SEE SPECIAL PROVISIONS

CONSTRUCTION TYPE CODE: X080-2A

\* SPECIALTY ITEMS

**TREE REMOVAL**

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
19+06	19'	RIGHT		24
19+45	35'	LEFT		20
20+52	40'	LEFT	6	
20+58	36'	LEFT	6	
20+58	36'	LEFT	8	
20+62	20'	RIGHT		18
20+65	21'	RIGHT		18
20+91	48'	LEFT	6	
20+94	50'	LEFT	6	
21+01	41'	LEFT	10	
21+04	54'	LEFT	10	
21+05	48'	RIGHT	6	
21+09	38'	LEFT	10	
21+11	48'	LEFT	10	
21+12	43'	RIGHT	10	
21+13	47'	RIGHT	8	
21+16	42'	LEFT	15	
21+17	39'	RIGHT	6	
21+21	49'	LEFT		18
21+25	45'	RIGHT	10	
21+39	45'	LEFT	12	
21+58	40'	LEFT	12	
21+60	38'	LEFT	10	
21+60	38'	LEFT	8	
21+60	38'	LEFT	8	
21+66	41'	LEFT	15	
21+78	53'	RIGHT	10	
21+82	45'	LEFT		18
21+97	52'	RIGHT	10	
TOTAL			212	116

**AGGREGATE SHOULDERS, TYPE B**

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
18+50.00 - 19+00.00	LEFT	1.50' AVG.	50.00'	2
18+50.00 - 18+89.00	RIGHT	3.63' AVG.	39.00'	3
18+89.00 - 19+24.00	RIGHT	7.00'	35.00'	6
19+00.00 - 19+47.25	LEFT	3.00'	47.25'	3
19+24.00 - 19+28.00	RIGHT	6.67' AVG.	4.00'	1
19+28.00 - 19+49.00	RIGHT	6.33'	21.00'	3
19+47.25 - 19+62.25	LEFT	2.50' AVG.	15.00'	1
19+49.00 - 19+62.25	RIGHT	4.67' AVG.	13.25'	1
20+59.75 - 20+73.00	LEFT	4.67' AVG.	13.25'	1
20+59.75 - 20+74.75	RIGHT	2.50' AVG.	15.00'	1
20+73.00 - 20+94.00	LEFT	6.33'	21.00'	3
20+74.75 - 21+50.00	RIGHT	3.00'	75.25'	5
20+94.00 - 20+98.00	LEFT	6.67' AVG.	4.00'	1
20+98.00 - 21+33.00	LEFT	7.00'	35.00'	6
21+33.00 - 21+50.00	LEFT	5.59' AVG.	17.00'	2
21+50.00 - 22+00.00	LEFT	2.09' AVG.	50.00'	2
21+50.00 - 22+00.00	RIGHT	1.50' AVG.	50.00'	2
TOTAL				43

**AGGREGATE SURFACE COURSE, TYPE B**

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
18+50.00 - 19+00.00	1.00'	22.09' AVG.	50.00'	77
18+50.00 - 19+62.25	1.00'	23.00'	112.25'	181
20+59.75 - 21+50.00	1.00'	23.00'	90.25'	145
21+50.00 - 22+00.00	1.00'	22.37' AVG.	50.00'	78
TOTAL				481

**EARTHWORK SUMMARY**

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 18+50.00 - 19+62.25	80			88	(28)
RDWY 20+59.75 - 22+00.00	154			2	114
CHANNEL		535			
STRUCTURE			95		
TOTAL	234	535	95	90	86
USE	235	535	95	-	85

(@ 25% SHRINKAGE)

**PERIMETER EROSION BARRIER**

STATION TO STATION	SIDE	FOOT
18+50 - 19+60	RIGHT	135
18+50 - 19+60	LEFT	175
20+60 - 22+00	RIGHT	160
20+60 - 22+00	LEFT	155
TOTAL		625

**TRAFFIC BARRIER TERMINAL, TYPE 5A**

SIDE	STATION TO STATION	EACH
RIGHT	19+49.00 - 19+62.25	1
LEFT	20+59.75 - 20+73.00	1
TOTAL		2

**TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)**

SIDE	STATION TO STATION	EACH
RIGHT	18+99.00 - 19+49.00	1
LEFT	20+73.00 - 21+23.00	1
TOTAL		2