

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	50
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	24
20200100	EARTH EXCAVATION	CU YD	210
20300100	CHANNEL EXCAVATION	CU YD	600
① 20400800	FURNISHED EXCAVATION	CU YD	150
① 20100220	POROUS GRANULAR EMBANKMENT	CU YD	13.5
28000305	TEMPORARY DITCH CHECKS	FOOT	84
28000400	PERIMETER EROSION BARRIER	FOOT	370
28000500	INLET AND PIPE PROTECTION	EACH	1
28200200	FILTER FABRIC	SQ YD	505
28300400	AGGREGATE DITCH	TON	18
① 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	500
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	60
50200300	COFFERDAM EXCAVATION	CU YD	70
① 50201101	COFFERDAM (TYPE 1) (LOCATION-1)	EACH	1
① 50201102	COFFERDAM (TYPE 1) (LOCATION-2)	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	100.9
50300280	CONCRETE ENCASEMENT	CU YD	11.6
① 50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2,548
50800105	REINFORCEMENT BARS	POUND	8,550
* 50900205	STEEL RAILING, TYPE S1	FOOT	217
51201400	FURNISHING STEEL PILES HP10x42	FOOT	405
51202305	DRIVING PILES	FOOT	135
51203400	TEST PILE STEEL HP10x42	EACH	2
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	30
67100100	MOBILIZATION	L SUM	1
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.4
① X2810228	STONE RIPRAP, CLASS B4 (SPECIAL)	TON	365
① ② X5150110	NAME PLATES (SPECIAL)	EACH	1
① X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
① Z0065000	SETTING PILES IN ROCK	EACH	10

① SEE SPECIAL PROVISIONS  
 ② NON-PARTICIPATING ITEM  
 \* SPECIALTY ITEMS

CONSTRUCTION CODE TYPE: 0011  
 BRIDGE CODE TYPE: X080

**TREE REMOVAL**

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
19+48	24'	RIGHT		24
19+52	19'	RIGHT	6	
19+52	19'	RIGHT	6	
19+52	19'	RIGHT	6	
19+99	23'	RIGHT	6	
19+99	23'	RIGHT	8	
20+09	15'	RIGHT	12	
20+14	13'	RIGHT	6	
TOTAL			50	24

**TEMPORARY DITCH CHECKS**

STATION	SIDE	FOOT
16+50	LEFT	12
17+40	LEFT	12
19+27	RIGHT	12
20+50	LEFT	12
20+68	LEFT	12
20+86	LEFT	12
21+18	LEFT	12
TOTAL		84

**PERIMETER EROSION BARRIER**

STATION TO STATION	SIDE	FOOT
16+50 - 17+25	RIGHT	75
18+25 - 19+41	LEFT	130
18+35 - 18+65	RIGHT	30
20+30 - 21+50	RIGHT	135
TOTAL		370

**EARTHWORK SUMMARY**

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	COFFERDAM EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 16+50.00 - 19+31.36	157				335	(217)
RDWY 20+39.86 - 21+50.00	112				16	68
CHANNEL		600				
STRUCTURE			60			
COFFERDAM				70		
TOTAL		269	600	60	70	351 (149)
USE		270	600	60	70	(150)

(@ 25% SHRINKAGE)

**AGGREGATE SURFACE COURSE, TYPE B**

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
16+50.00 - 17+70.00	1.00'	16.29' AVG.	120.00'	137
17+70.00 - 19+31.36	1.00'	21.00'	161.36'	237
20+39.86 - 21+50.00	1.00'	16.37' AVG.	110.14'	126
TOTAL				500

**PIPE CULVERTS,  
CLASS D,  
TYPE 1 15"**

STATION	SIDE	FOOT
15+50	RIGHT	30
TOTAL		30

**AGGREGATE DITCH\*\***

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
20+50 - 21+00	LEFT	6'	18	35
TOTAL			18	35

\*\* Aggregate Ditch shall conform to material type B-3 of the Standard Specifications

**INLET AND PIPE PROTECTION**

STATION	SIDE	EACH
18+35	RIGHT	1
TOTAL		1