

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	85
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	76
20200100	EARTH EXCAVATION	CU YD	10
20300100	CHANNEL EXCAVATION	CU YD	300
① 20400800	FURNISHED EXCAVATION	CU YD	510
25100630	EROSION CONTROL BLANKET	SQ YD	60
① 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250
28000305	TEMPORARY DITCH CHECKS	FOOT	36
28000400	PERIMETER EROSION BARRIER	FOOT	550
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	69
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	60
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	196
① 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	119
48101200	AGGREGATE SHOULDERS, TYPE B	TON	38
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	80
50200300	COFFERDAM EXCAVATION	CU YD	55
① 50201101	COFFERDAM (TYPE 1) (LOCATION-1)	EACH	1
① 50201102	COFFERDAM (TYPE 1) (LOCATION-2)	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	106.2
50300280	CONCRETE ENCASEMENT	CU YD	19.6
① 50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	3,286
50800105	REINFORCEMENT BARS	POUND	9,380
51201400	FURNISHING STEEL PILES HP10x42	FOOT	531
51202305	DRIVING PILES	FOOT	225
51203400	TEST PILE STEEL HP10x42	EACH	2
51500100	NAME PLATES	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	373
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	225
① 59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	23.2
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	700
* 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	415
① X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
① Z0065000	SETTING PILES IN ROCK	EACH	12
* ① XX006199	STEEL BRIDGE RAIL, TYPE SM (SPECIAL)	FOOT	210

① SEE SPECIAL PROVISIONS  
\* SPECIALTY ITEMS

CONSTRUCTION CODE TYPE: 0011  
BRIDGE CODE TYPE: X080

**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 18+25.00 - 19+47.50	4				168	(165)
RDWY 20+52.50 - 21+75.00	8				349	(343)
CHANNEL		300				
STRUCTURE			80			
COFFERDAM				55		
<b>TOTAL</b>	<b>12</b>	<b>300</b>	<b>80</b>	<b>55</b>	<b>517</b>	<b>(508)</b>
<b>USE</b>	<b>10</b>	<b>300</b>	<b>80</b>	<b>55</b>	<b>-</b>	<b>(510)</b>

(@ 25% SHRINKAGE)

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

SIDE	STATION TO STATION	EACH
RIGHT	18+62.99 - 19+12.99	1
LEFT	20+87.01 - 21+37.01	1
<b>TOTAL</b>		<b>2</b>

**TRAFFIC BARRIER TERMINAL, TYPE 6A**

SIDE	STATION TO STATION	EACH
RIGHT	19+12.99 - 19+56.74	1
LEFT	20+43.26 - 20+87.01	1
<b>TOTAL</b>		<b>2</b>

**EROSION CONTROL BLANKET**

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)
20+60 - 21+50	LEFT	6'	90'	60
<b>TOTAL</b>				<b>60</b>

**TEMPORARY DITCH CHECKS**

STATION	SIDE	FOOT
20+60	RIGHT	12
20+90	RIGHT	12
21+20	RIGHT	12
<b>TOTAL</b>		<b>36</b>

**PERIMETER EROSION BARRIER**

STATION TO STATION	SIDE	FOOT
18+25 - 19+36	LEFT	135
18+25 - 19+59	RIGHT	165
20+41 - 21+75	LEFT	215
21+50 - 21+75	RIGHT	35
<b>TOTAL</b>		<b>550</b>

**HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT**

STATION TO STATION	WIDTH	LENGTH	SQ YD
18+25.00 - 18+65.00	22.00'	40.00'	98
21+35.00 - 21+75.00	22.00'	40.00'	98
<b>TOTAL</b>			<b>196</b>

**PAINT PAVEMENT MARKING - LINE 4"**

STATION TO STATION	SIDE	DESCRIPTION	FOOT
18+25.00 - 21+75.00	℄	DOUBLE YELLOW	700
<b>TOTAL</b>			<b>700</b>

**PAVEMENT SCHEDULE**

STATION TO STATION	WIDTH	LENGTH	PRIME COAT GALLON 0.10 GAL/SQ YD	HOT-MIX ASPHALT SURF CSE, MIX "C", N50 TON 112#/SQ YD/IN
18+25.00 - 19+47.50	22.00'	122.50'	30	
20+52.50 - 21+75.00	22.00'	122.50'	30	
18+25.00 - 19+47.50	22.00'	122.50'		34
BRIDGE DECK	32.00'	105.00'		51
20+52.50 - 21+75.00	22.00'	122.50'		34
<b>TOTAL</b>			<b>60</b>	<b>119</b>

**AGGREGATE SURFACE COURSE, TYPE B**

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
ENTR. - 21+50.00 LT	0.50'	12' & VAR.	140.0'	69
<b>TOTAL</b>				<b>69</b>

**TREE REMOVAL**

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
19+73	38'	RIGHT	8	
19+95	36'	RIGHT	12	
20+10	39'	RIGHT	10	
20+80	37'	RIGHT	12	
21+08	54'	LEFT		18
21+11	48'	LEFT	15	
21+13	45'	LEFT	8	
21+22	46'	LEFT	10	
21+22	46'	LEFT	10	
21+23	36'	LEFT		18
21+44	50'	LEFT		18
21+57	33'	RIGHT		22
<b>TOTAL</b>			<b>85</b>	<b>76</b>

**AGGREGATE SHOULDERS, TYPE B**

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
18+25.00 - 18+75.00	LEFT	3.06' AVG.	50.00'	4
18+25.00 - 18+75.00	RIGHT	3.39' AVG.	50.00'	4
18+75.00 - 19+39.99	LEFT	4.00'	64.99'	6
18+75.00 - 19+55.01	RIGHT	4.00'	80.01'	7
20+44.99 - 21+32.00	LEFT	4.00'	87.01'	8
20+60.01 - 21+25.00	RIGHT	4.00'	64.99'	6
21+25.00 - 21+75.00	RIGHT	2.00' AVG.	50.00'	2
21+68.00 - 21+75.00	LEFT	3.00' AVG.	7.00'	1
<b>TOTAL</b>				<b>38</b>