

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	38
20200100	EARTH EXCAVATION	CU YD	1,175
20300100	CHANNEL EXCAVATION	CU YD	475
① 20400800	FURNISHED EXCAVATION	CU YD	1,030
① 20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	135
① 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	750
① 28000305	TEMPORARY DITCH CHECKS	FOOT	156
28000400	PERIMETER EROSION BARRIER	FOOT	195
28000500	INLET AND PIPE PROTECTION	EACH	3
28100109	STONE RIPRAP, CLASS A5	SQ YD	355
① 28200200	FILTER FABRIC	SQ YD	355
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	1,162
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	142
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	889
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	498
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	133
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	220
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	38
48101200	AGGREGATE SHOULDERS, TYPE B	TON	246
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
① 50105220	PIPE CULVERT REMOVAL	FOOT	120
50200100	STRUCTURE EXCAVATION	CU YD	330
50300100	FLOOR DRAINS	EACH	6
50300225	CONCRETE STRUCTURES	CU YD	32.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	106.6
50300260	BRIDGE DECK GROOVING	SQ YD	407
50300280	CONCRETE ENCASEMENT	CU YD	6.4
50300300	PROTECTIVE COAT	SQ YD	457
50400905	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 42 IN.	FOOT	365
① 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	20,730
50800515	BAR SPLICERS	EACH	66
* 50901050	STEEL RAILING, TYPE SM	FOOT	124
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	600
① 51202305	DRIVING PILES	FOOT	600
① 51203200	TEST PILE METAL SHELLS	EACH	2
51204650	PILE SHOES	EACH	14
51500100	NAME PLATES	EACH	1
① 542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	50
① 542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	34
① 542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	52
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	72
① 60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	140
* ① 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
* ① 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	390
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	11
67100100	MOBILIZATION	L SUM	1
① 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,632
* 78200405	GUARDRAIL MARKERS	EACH	8
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① 20013798	CONSTRUCTION LAYOUT	L SUM	1

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: X081-2A

\* SPECIALTY ITEMS

**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 16+75.00 - 19+69.82	576			770	(338)
RDWY 20+31.82 - 24+00.00	598			1,142	(694)
CHANNEL		475			
STRUCTURE			330		
<b>TOTAL</b>	<b>1,174</b>			<b>1,912</b>	<b>(1,032)</b>
<b>USE</b>	<b>1,175</b>	<b>475</b>	<b>330</b>	<b>-</b>	<b>(1,030)</b>

② 25% SHRINKAGE

**PAINT PAVEMENT MARKING - LINE 4"**

STATION TO STATION	SIDE	DESCRIPTION	FOOT
16+75 - 24+00	LEFT	WHITE EDGE LINE	725
16+75 - 24+00	℄	YELLOW SKIP-DASH	182
16+75 - 24+00	RIGHT	WHITE EDGE LINE	725
<b>TOTAL</b>			<b>1,632</b>

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

SIDE	STATION TO STATION	EACH
RIGHT	18+71.65 - 19+21.65	1
LEFT	18+80.49 - 19+30.49	1
RIGHT	20+71.15 - 21+21.15	1
LEFT	20+79.99 - 21+29.99	1
<b>TOTAL</b>		<b>4</b>

**TRAFFIC BARRIER TERMINAL, TYPE 6A**

SIDE	STATION TO STATION	EACH
RIGHT	19+21.65 - 19+65.40	1
LEFT	19+30.49 - 19+74.24	1
RIGHT	20+27.40 - 20+71.15	1
LEFT	20+36.24 - 20+79.99	1
<b>TOTAL</b>		<b>4</b>

**PIPE CULVERTS**

STATION	SIDE	24" CL D	30" CL D	36" CL D
		TYP 2 FOOT	TYP 1 FOOT	TYP 1 FOOT
18+13	LT			34
21+54	LT	52		
21+66	RT		50	
<b>TOTAL</b>		<b>52</b>	<b>50</b>	<b>34</b>

**GUARDRAIL MARKERS**

STATION TO STATION	SIDE	GUARDRAIL MARKERS (EACH)
18+71.65 - 21+21.15	RIGHT	4
18+80.49 - 21+29.99	LEFT	4
<b>TOTAL</b>		<b>8</b>

ALL GUARDRAIL MARKERS SHALL BE BI-DIRECTIONAL