

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	24
20200100	EARTH EXCAVATION	CU YD	400
20300100	CHANNEL EXCAVATION	CU YD	520
① 20400800	FURNISHED EXCAVATION	CU YD	1,855
① 20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	85
20800150	TRENCH BACKFILL	CU YD	5
① 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.9
25100630	EROSION CONTROL BLANKET	SQ YD	115
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500
28000300	TEMPORARY DITCH CHECKS	EACH	13
28000400	PERIMETER EROSION BARRIER	FOOT	810
28000500	INLET AND PIPE PROTECTION	EACH	1
28000510	INLET FILTERS	EACH	1
28100209	STONE RIPRAP, CLASS A5	TON	480
28200200	FILTER FABRIC	SQ YD	515
28300400	AGGREGATE DITCH	TON	38
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,022
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	21
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,181
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	406
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	171
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	12
48101200	AGGREGATE SHOULDERS, TYPE B	TON	167
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
① 50105220	PIPE CULVERT REMOVAL	FOOT	121
50200100	STRUCTURE EXCAVATION	CU YD	115
50300225	CONCRETE STRUCTURES	CU YD	25.9
50300255	CONCRETE SUPERSTRUCTURE	CU YD	74.1
50300260	BRIDGE DECK GROOVING	SQ YD	222
50300280	CONCRETE ENCASUREMENT	CU YD	4.6
50300300	PROTECTIVE COAT	SQ YD	238
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	900
① 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	18,790
51200957	FURNISHING METAL SHELL PILES 12"x0.25"	FOOT	408
51202305	DRIVING PILES	FOOT	408
51203200	TEST PILE METAL SHELLS	EACH	2
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
52100520	ANCHOR BOLTS, 1"	EACH	20
① 54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	28
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	EACH	1
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	64
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	52
① 60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	120
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
60500060	REMOVING INLETS	EACH	1
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
① 63200310	GUARDRAIL REMOVAL	FOOT	723
67100100	MOBILIZATION	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,800
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
* XX006199	STEEL BRIDGE RAIL, TYPE SM (SPECIAL)	FOOT	143

① SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

CONSTRUCTION CODE TYPE: X071-2A

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
15+75 - 17+00	LEFT	125
15+75 - 19+65	RIGHT	415
18+65 - 18+95	LEFT	30
23+00 - 23+35	RIGHT	40
23+50 - 24+75	LEFT	125
24+00 - 24+75	RIGHT	75
TOTAL		810

TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
18+65	39'	LEFT	12	
19+80	41'	LEFT	12	
19+90	41'	LEFT		24
20+42	40'	LEFT	12	
20+42	40'	LEFT	12	
TOTAL			48	24

PAINT PAVEMENT MARKING - LINE 4"

STATION TO STATION	SIDE	DESCRIPTION	FOOT
15+75.00 - 24+75.00	℄	DOUBLE YELLOW	1,800
TOTAL			1,800

REMOVING INLETS

STATION	SIDE	EACH
18+47	LEFT	1
TOTAL		1

PIPE CULVERTS, CLASS D, TYPE 1 15"

STATION	SIDE	FOOT
23+23	RIGHT	28
TOTAL		28

INLET FILTERS

STATION	SIDE	EACH
18+50	LEFT	1
TOTAL		1

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	FOOT
17+69.00 - 19+84.00	RIGHT	215
18+94.00 - 19+84.00	LEFT	90
20+16.00 - 21+81.00	RIGHT	165
20+16.00 - 22+69.00	LEFT	253
TOTAL		723

INLET & PIPE PROTECTION

STATION	SIDE	EACH
23+32	RIGHT	1
TOTAL		1

TRAFFIC BARRIER TERMINAL, TYPE 6A

SIDE	STATION TO STATION	EACH
RIGHT	19+19.08 - 19+62.83	1
LEFT	20+42.37 - 20+86.12	1
TOTAL		2

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

SIDE	STATION TO STATION	EACH
RIGHT	18+69.08 - 19+19.08	1
LEFT	20+86.12 - 21+36.12	1
TOTAL		2

PAVEMENT SCHEDULE

STATION TO STATION	WIDTH	LENGTH	AGGREGATE BASE COURSE, TYPE A	PRIME COAT** GALLON 0.50 GAL/SQ YD	HOT-MIX ASPHALT BINDER CSE TON 112#/SQ YD/IN	HOT-MIX ASPHALT SURF CSE TON 112#/SQ YD/IN	INC HOT-MIX ASPHALT SURF TON 112#/SQ YD/IN
15+75.00 - 16+25.00	24.71' AVG.	50.00'	58				
16+25.00 - 19+66.85	25.50'	341.85'	409				
20+38.35 - 24+25.00	25.50'	386.65'	462				
24+25.00 - 24+75.00	24.77' AVG.	50.00'	58				
15+75.00 - 16+25.00	24.04' AVG.	50.00'		67			
16+25.00 - 19+66.85	24.83'	341.85'		472			
20+38.35 - 24+25.00	24.83'	386.65'		533			
24+25.00 - 24+75.00	24.10' AVG.	50.00'		67			
15+75.00 - 16+25.00	21.75' AVG.	50.00'			24		
16+25.00 - 19+66.85	22.54'	341.85'			168		
20+38.35 - 24+25.00	22.54'	386.65'			190		
24+25.00 - 24+75.00	21.81' AVG.	50.00'			24		
15+75.00 - 16+25.00	21.34' AVG.	50.00'				10	
16+25.00 - 19+66.85	22.13'	341.85'				71	
20+38.35 - 24+25.00	22.13'	386.65'				80	
24+25.00 - 24+75.00	21.40' AVG.	50.00'				10	
ENT. 18+80.00 LT	12.00' & VAR.	38.60'	35	42			*12
TOTAL			1,022	1,181	406	171	12

** PRIME COAT IS TO BE MC-30 ON AGGREGATE SURFACES AND RC-70 ON HMA/CONCRETE SURFACES

* 3" PAVEMENT THICKNESS

STORM SEWER SCHEDULE

STATION TO STATION	SIDE	OFFSET	TYPE	STORM SEWER, CLASS B, TYPE 1	INLETS		PRECAST REINFORCED CONCRETE FLARED END SECTION	TRENCH BACKFILL
					TYPE A, STD 602301 W/ TYPE 8 GRATE	15"		
		FOOT		FOOT	EACH		EACH	CU YD
18+50	LT	25.5	INLET			1		
			SS	64				5
19+14	LT	34.2	FES				1	
TOTALS				64	1		1	5

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	WIDTH	LENGTH	TON
ENTR. - 23+23 RT	16' & VAR.	27'	21
TOTAL			21

AGGREGATE DITCH***

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
19+20 - 19+80	LEFT	6'	21	40
23+00 - 23+50	LEFT	6'	17	34
TOTAL			38	74

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

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 15+75.00 - 19+66.85	139			852	(748)
RDWY 20+38.35 - 24+75.00	259			1,299	(1,105)
CHANNEL STRUCTURE		520	115		
TOTAL	398	520	115	2,151	(1,853)
USE	400	520	115	-	(1,855)

(@ 25% SHRINKAGE)

AGGREGATE SHOULDERS, TYPE B****

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
15+75.00 - 16+25.00	LEFT	3.73' AVG.	50.00'	4
15+75.00 - 16+25.00	RIGHT	3.73' AVG.	50.00'	4
16+25.00 - 18+63.00	LEFT	4.00'	238.00'	22
16+25.00 - 18+35.08	RIGHT	4.00'	210.08'	20
18+35.08 - 18+59.08	RIGHT	6.00' AVG.	24.00'	3
18+59.08 - 18+94.08	RIGHT	8.00'	35.00'	7
18+94.08 - 18+98.08	RIGHT	7.67' AVG.	4.00'	1
18+97.00 - 19+70.33	LEFT	4.00'	73.33'	7
18+98.08 - 19+50.04	RIGHT	7.33'	51.96'	9
19+50.04 - 19+63.37	RIGHT	5.67' AVG.	13.33'	2
20+34.87 - 23+02.33	RIGHT	4.00'	267.46'	25
20+41.83 - 20+55.16	LEFT	5.67' AVG.	13.33'	2
20+55.16 - 21+07.12	LEFT	7.33'	51.96'	9
21+07.12 - 21+11.12	LEFT	7.67' AVG.	4.00'	1
21+11.12 - 21+46.12	LEFT	8.00'	35.00'	7
21+46.12 - 21+70.12	LEFT	6.00' AVG.	24.00'	3
21+70.12 - 24+25.00	LEFT	4.00'	254.88'	24
23+35.50 - 24+25.00	RIGHT	4.00'	89.50'	8
24+25.00 - 27+75.00	LEFT	4.27' AVG.	50.00'	5
24+25.00 - 27+75.00	RIGHT	3.31' AVG.	50.00'	4
TOTAL				167

**** RAP WILL NOT BE ALLOWED FOR USE WITH AGGREGATE SHOULDERS, TYPE B