

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	63
20100500	TREE REMOVAL, ACRES	ACRE	0.2
20200100	EARTH EXCAVATION	CU YD	1,280
20300100	CHANNEL EXCAVATION	CU YD	4,050
20400800	FURNISHED EXCAVATION	CU YD	5,035
20800150	TRENCH BACKFILL	CU YD	13
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.8
25100630	EROSION CONTROL BLANKET	SQ YD	98
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,000
28000300	TEMPORARY DITCH CHECKS	EACH	21
28000400	PERIMETER EROSION BARRIER	FOOT	1,505
28000500	INLET AND PIPE PROTECTION	EACH	2
28000510	INLET FILTERS	EACH	2
28100209	STONE RIPRAP, CLASS A5	TON	1,500
28200200	FILTER FABRIC	SQ YD	1,665
28300400	AGGREGATE DITCH	TON	111
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,012
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	67
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,094
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	417
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	257
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5
48100100	AGGREGATE SHOULDERS, TYPE A	TON	356
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	134
50200100	STRUCTURE EXCAVATION	CU YD	185
50300225	CONCRETE STRUCTURES	CU YD	148.0
50300280	CONCRETE ENCASEMENT	CU YD	10.8
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	8,118
50800105	REINFORCEMENT BARS	POUND	11,810
* 50900205	STEEL RAILING, TYPE S-1	FOOT	496
51200959	FURNISHING METAL SHELL PILES 14" x 0.312"	FOOT	1,724
51202305	DRIVING PILES	FOOT	1,724
51203200	TEST PILE METAL SHELLS	EACH	4
51204650	PILE SHOES	EACH	28
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	144
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	910
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	625
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	24.2
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	204
① X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1
① X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1
① Z0013798	CONSTRUCTION LAYOUT	L SUM	1

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: X081-2A

NOTE: PAVEMENT MARKING BY OTHERS

* SPECIALTY ITEMS

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
15+00 - 18+80	LEFT	565
15+90 - 18+70	RIGHT	310
21+20 - 23+20	RIGHT	285
21+30 - 23+90	LEFT	305
25+25 - 25+65	LEFT	40
TOTAL		1,505

EROSION CONTROL BLANKET

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)
23+83 - 25+30	LEFT	6'	147'	98
TOTAL				98

TREE REMOVAL, ACRES

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (ACRE)
20+50 - 23+25	LEFT	30'	275'	0.2
TOTAL				0.2

TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS
19+48	55'	LEFT	15
21+80	21'	LEFT	12
22+98	25'	LEFT	8
24+61	30'	RIGHT	10
25+38	32'	RIGHT	8
25+42	32'	RIGHT	10
TOTAL			63

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+00.00 - 15+50.00	24.40' AVG.	50.00'	57				
15+50.00 - 18+75.96	25.50'	325.96'	390				
21+24.04 - 25+50.00	25.50'	425.96'	509				
25+50.00 - 26+00.00	23.95' AVG.	50.00'	56				
15+00.00 - 15+50.00	21.73' AVG.	50.00'		60			
15+50.00 - 18+75.96	22.83'	325.96'		413			
21+24.04 - 25+50.00	22.83'	425.96'		540			
25+50.00 - 26+00.00	21.28' AVG.	50.00'		59			
MAILBOX TURNOUT #1	4.00'	61.50'		14			*3
MAILBOX TURNOUT #2	4.00'	32.50'		8			*2
15+00.00 - 15+50.00	21.44' AVG.	50.00'			23		
15+50.00 - 18+75.96	22.54'	325.96'			161		
21+24.04 - 25+50.00	22.54'	425.96'			210		
25+50.00 - 26+00.00	20.99' AVG.	50.00'			23		
15+00.00 - 15+50.00	21.03' AVG.	50.00'				10	
15+50.00 - 18+75.96	22.13'	325.96'				68	
BRIDGE DECK	33.00'	248.08'				81	
21+24.04 - 25+50.00	22.13'	425.96'				88	
25+50.00 - 26+00.00	20.58' AVG.	50.00'				10	
TOTAL			1,012	1,094	417	257	5

* 2" PAVEMENT THICKNESS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
TR 134A	*	MORGAN	28	3
PROJECT BROS-0137(027)			CONTRACT # 93481	

STORM SEWER SCHEDULE

STATION TO STATION	SIDE	OFFSET	TYPE	STORM SEWER, W.M. REQMT	INLETS TYPE A, STD 60/301 W/ TYPE 8 GRATE	PRECAST REINFORCED CONCRETE FLARED END SECTIONS	TRENCH BACKFILL
		FOOT		12" FOOT	EACH	12" EACH	CU YD
23+51.00	LT	32.5	FES			1	
			SS	30			8
23+82.00	LT	26.3	INLET		1		
			SS	174			5
25+58.00	LT	22.8	INLET		1		
TOTALS				204	2	1	13

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	WIDTH	LENGTH	TON
ENTR. - 23+00 RT	12.5' & VAR.	70.30'	31
ENTR. - 23+52 LT	20.5' & VAR.	32.10'	24
ENTR. - 25+44 LT	16.5' & VAR.	19.30'	12
TOTAL			67

AGGREGATE DITCH**

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
22+65 - 22+84	RIGHT	6'	7	13
23+18 - 26+00	RIGHT	6'	97	188
23+25 - 23+45	LEFT	6'	7	13
TOTAL			111	214

** 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+00.00 - 18+75.96	412			2,180	(1,871)
RDWY 21+24.04 - 26+00.00	869			3,814	(3,162)
CHANNEL		4,052			
STRUCTURE			185		
TOTAL	1,281	4,052	185	5,994	(5,033)
USE	1,280	4,050	185	-	(5,035)

(@ 25% SHRINKAGE)

TEMPORARY DITCH CHECKS

STATION	SIDE	EACH
22+65	RIGHT	1
23+25	LEFT	1
23+40	RIGHT	1
23+60	RIGHT	1
23+80	RIGHT	1
24+00	RIGHT	1
24+05	LEFT	1
24+20	RIGHT	1
24+25	LEFT	1
24+40	RIGHT	1
24+45	LEFT	1
24+60	RIGHT	1
24+65	LEFT	1
24+80	RIGHT	1
24+85	LEFT	1
25+00	RIGHT	1
25+05	LEFT	1
25+20	RIGHT	1
25+40	RIGHT	1
25+60	RIGHT	1
25+80	RIGHT	1
TOTAL		21

PIPE CULVERT REMOVAL

STATION	SIZE	SIDE	FOOT
16+05	12"	RIGHT	30
23+00	15"	RIGHT	38
23+52	15"	LEFT	43
25+44	12"	LEFT	23
TOTAL			134

PIPE CULVERTS, CLASS D, TYPE 1 15"

STATION	SIDE	FOOT
23+00	RIGHT	110
TOTAL		144

INLET FILTERS

STATION	SIDE	EACH
23+82	LEFT	1
25+58	LEFT	1
TOTAL		2

INLET & PIPE PROTECTION

STATION	SIDE	EACH
15+90	RIGHT	1
23+18	RIGHT	1
TOTAL		2

AGGREGATE SHOULDERS, TYPE A

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
15+00.00 - 15+50.00	LEFT	3.00' AVG.	50.00'	5
15+50.00 - 15+50.00	RIGHT	3.00' AVG.	50.00'	5
15+50.00 - 18+79.71	LEFT	6.00'	329.71'	69
15+50.00 - 17+74.29	RIGHT	6.00'	224.29'	47
17+74.29 - 17+98.29	RIGHT	8.00' AVG.	24.00'	7
17+98.29 - 18+33.29	RIGHT	10.00'	35.00'	12
18+33.29 - 18+37.29	RIGHT	9.67' AVG.	4.00'	1
18+37.29 - 18+58.29	RIGHT	9.33'	21.00'	7
18+58.29 - 18+71.09	RIGHT	9.08' AVG.	12.80'	4
21+28.91 - 21+41.71	LEFT	9.08' AVG.	12.80'	4
21+41.71 - 21+62.71	LEFT	9.33'	21.00'	7
21+62.71 - 21+66.71	LEFT	9.67' AVG.	4.00'	1
21+66.71 - 22+01.71	LEFT	10.00'	35.00'	12
22+01.71 - 22+25.71	LEFT	8.00' AVG.	24.00'	7
22+25.71 - 25+50.00	LEFT	6.00'	324.29'	68
21+20.29 - 25+50.00	RIGHT	6.00'	429.71'	90
25+50.00 - 26+00.00	LEFT	3.00' AVG.	50.00'	5
25+50.00 - 26+00.00	RIGHT	3.00' AVG.	50.00'	5
TOTAL				356

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

SIDE	STATION TO STATION	EACH
RIGHT	18+08.29 - 18+58.29	1
LEFT	21+41.71 - 21+91.71	1
TOTAL		2

TRAFFIC BARRIER TERMINAL, TYPE 5A

SIDE	STATION TO STATION	EACH
RIGHT	18+58.29 - 18+71.54	1
LEFT	21+28.46 - 21+41.71	1
TOTAL		2