

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	255
20300100	CHANNEL EXCAVATION	CU YD	230
① 20700220	POROUS GRANULAR EMBANKMENT	CU YD	14.8
25100630	EROSION CONTROL BLANKET	SQ YD	1,043
28000305	TEMPORARY DITCH CHECKS	FOOT	36
28000400	PERIMETER EROSION BARRIER	FOOT	365
28000500	INLET AND PIPE PROTECTION	EACH	2
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	346
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	52
① 40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	261
① 40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	78
48101200	AGGREGATE SHOULDERS, TYPE B	TON	25
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	132
50300225	CONCRETE STRUCTURES	CU YD	22.3
50300280	CONCRETE ENCASEMENT	CU YD	2.6
① 50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,668
50800105	REINFORCEMENT BARS	POUND	2,480
* 50900205	STEEL RAILING, TYPE S1	FOOT	143
51200957	FURNISHING METAL SHELL PILES 12"X0.250"	FOOT	504
51202305	DRIVING PILES	FOOT	504
51203200	TEST PILE METAL SHELLS	EACH	2
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	72
54215550	METAL END SECTIONS 15"	EACH	4
① 60107700	PIPE UNDERDRAINS 6"	FOOT	504
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	1
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
67100100	MOBILIZATION	L SUM	1
① X2501100	SEEDING, CLASS 3 (SPECIAL)	ACRE	0.2
① X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	505
① X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
① Z0013798	CONSTRUCTION LAYOUT	L SUM	1

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: 0011

\* SPECIALTY ITEMS

**INLET AND PIPE PROTECTION**

STATION	SIDE	EACH
20+78	LEFT	1
20+93	RIGHT	1
TOTAL		2

**TEMPORARY DITCH CHECKS**

STATION	SIDE	FOOT
19+59	LEFT	12
20+22	LEFT	12
20+40	RIGHT	12
TOTAL		36

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

SIDE	STATION TO STATION	EACH
RIGHT	19+05.37 - 19+55.37	1
TOTAL		1

**PERIMETER EROSION BARRIER**

STATION TO STATION	SIDE	FOOT
18+50 - 19+00	LEFT	50
18+50 - 19+71	RIGHT	140
20+42 - 20+78	LEFT	55
20+57 - 20+93	RIGHT	45
21+00 - 21+50	LEFT	50
21+25 - 21+50	RIGHT	25
TOTAL		365

**AGGREGATE SURFACE COURSE, TYPE B**

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
ENTR. - 20+60.00 LT	0.50'	24' & VAR.	26.0'	28
ENTR. - 20+75.00 RT	0.50'	24' & VAR.	20.9'	24
TOTAL				52

**PIPE UNDERDRAINS 6"**

STATION TO STATION	SIDE	FOOT
18+50 - 19+67	RIGHT	125
18+50 - 19+50	LEFT	108
19+50 - 19+61	LEFT	19
20+33 - 21+50	LEFT	125
20+39 - 20+50	RIGHT	19
20+50 - 21+50	RIGHT	108
TOTAL		504

**METAL END SECTIONS 15"**

STATION	SIDE	EACH
20+42	LEFT	1
20+57	RIGHT	1
20+77	LEFT	1
20+92	RIGHT	1
TOTAL		4

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

STATION	SIDE	FOOT
20+60	LEFT	36
20+75	RIGHT	36
TOTAL		72

**PIPE CULVERT REMOVAL**

STATION	SIZE	SIDE	FOOT
19+36	10"	LEFT	20
20+38	10"	LEFT	47
20+67	10"	RIGHT	65
TOTAL			132

**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 18+50.00 - 19+64.25	120			25	65					
RDWY 20+35.75 - 21+50.00	135			27	74					
CHANNEL		230								
STRUCTURE			65							
TOTAL						255	230	65	52	139
USE						255	230	*65	-	139

(@ 25% SHRINKAGE)

\*STRUCTURE EXCAVATION SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 502 OF THE STANDARD SPECIFICATIONS. INDIVIDUAL PAYMENT FOR STRUCTURE EXCAVATION WILL NOT BE MADE, BUT SHALL BE IN ACCORDANCE WITH SECTION 502.13.

**PAVEMENT SCHEDULE**

STATION TO STATION	WIDTH	LENGTH	SUBBASE GRANULAR MATERIAL, TYPE A (TON)	PRIME COAT GALLON 0.50 GAL/SQ YD	HOT-MIX ASPHALT SURF CSE, MIX "C", N30 TON 112#/SQ YD/IN
18+50.00 - 19+00.00	21.66' AVG.	50.00'	76		
19+00.00 - 19+64.25	21.50'	64.25'	97		
20+35.75 - 21+00.00	21.50'	64.25'	97		
21+00.00 - 21+50.00	21.74' AVG.	50.00'	76		
18+50.00 - 19+00.00	20.66' AVG.	50.00'		57	
19+00.00 - 19+64.25	20.50'	64.25'		73	
20+35.75 - 21+00.00	20.50'	64.25'		73	
21+00.00 - 21+50.00	20.74' AVG.	50.00'		58	
18+50.00 - 19+00.00	18.41' AVG.	50.00'			17
19+00.00 - 19+64.25	18.25'	64.25'			22
20+35.75 - 21+00.00	18.25'	64.25'			22
21+00.00 - 21+50.00	18.49' AVG.	50.00'			17
TOTAL			346	261	78

**EROSION CONTROL BLANKET**

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)
18+50 - 19+59	LEFT	VARIES	109'	261
18+50 - 19+79	RIGHT	VARIES	129'	321
20+22 - 21+50	LEFT	VARIES	128'	256
20+40 - 21+50	RIGHT	VARIES	110'	205
TOTAL				1,043

**TRAFFIC BARRIER TERMINAL, TYPE 5A**

SIDE	STATION TO STATION	EACH
RIGHT	19+55.37 - 19+68.62	1
TOTAL		1

**AGGREGATE SHOULDERS, TYPE B**

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
18+50.00 - 19+00.00	LEFT	2.50' AVG.	50.00'	3
18+50.00 - 19+00.00	RIGHT	2.50' AVG.	50.00'	3
19+00.00 - 19+60.43	LEFT	3.00'	60.43'	4
19+00.00 - 19+68.07	RIGHT	3.00'	68.07'	5
20+31.93 - 20+36.50	LEFT	3.00'	4.57'	1
20+39.57 - 20+51.50	RIGHT	3.00'	11.93'	1
20+83.50 - 21+00.00	LEFT	3.00'	16.50'	1
20+98.50 - 21+00.00	RIGHT	3.00'	1.50'	1
21+00.00 - 21+50.00	LEFT	2.50' AVG.	50.00'	3
21+00.00 - 21+50.00	RIGHT	2.50' AVG.	50.00'	3
TOTAL				25