

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	380
① 20400800	FURNISHED EXCAVATION	CU YD	135
① 20700220	POROUS GRANULAR EMBANKMENT	CU YD	180
① 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.3
28000305	TEMPORARY DITCH CHECKS	FOOT	22
28000400	PERIMETER EROSION BARRIER	FOOT	455
28100209	STONE RIPRAP, CLASS A5	TON	715
① 28200200	FILTER FABRIC	SQ YD	700
35100100	AGGREGATE BASE COURSE, TYPE A	TON	476
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	549
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	127
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	82
48101200	AGGREGATE SHOULDERS, TYPE B	TON	113
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
① 50800105	REINFORCEMENT BARS	POUND	29,400
51500100	NAME PLATES	EACH	1
54003000	CONCRETE BOX CULVERTS	CU YD	131.2
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	116
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	59
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	310
67100100	MOBILIZATION	L SUM	1
① 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	100
* 78200405	GUARDRAIL MARKERS	EACH	8
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① XX004633	FIELD TILE ADJUSTMENT	EACH	1

① SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

CONSTRUCTION CODE TYPE: X028-2A

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
28+00.00 - 28+50.00	25.42' AVG.	50.00'	60			
28+50.00 - 31+50.00	25.30'	300.00'	356			
31+50.00 - 32+00.00	25.50' AVG.	50.00'	60			
28+00.00 - 28+50.00	24.75' AVG.	50.00'		69		
28+50.00 - 31+50.00	24.63'	300.00'		411		
31+50.00 - 32+00.00	24.83' AVG.	50.00'		69		
28+00.00 - 28+50.00	22.56' AVG.	50.00'			16	
28+50.00 - 31+50.00	22.44'	300.00'			95	
31+50.00 - 32+00.00	22.64' AVG.	50.00'			16	
28+00.00 - 28+50.00	22.25' AVG.	50.00'				10
28+50.00 - 31+50.00	22.13'	300.00'				62
31+50.00 - 32+00.00	22.33' AVG.	50.00'				10
TOTAL			476	549	127	82

EARTHWORK SUMMARY

STATION TO STATION	EARTH EXCAVATION		FILL		WASTE (SHORTAGE)	
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 28+00.00 - 29+80.79	200	90				60
SEE SPECIAL PROVISIONS FOR STRUCTURE AREA EXCAVATION						
FILL OVER CULVERT	-	170				(170)
RDWY 30+10.23 - 32+00.00	179	160				(26)
TOTAL	379	420				(136)
USE	380	-				(135)*

* SUITABLE MATERIAL FROM EXCAVATION FOR CONSTRUCTION OF THE STRUCTURE MAY BE USED AS EMBANKMENT (© 25% SHRINKAGE)

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

SIDE	STATION TO STATION	FOOT
LEFT	29+25.00 - 29+72.13	47
RIGHT	29+50.00 - 29+89.45	40
LEFT	30+01.57 - 30+25.00	23
RIGHT	30+18.89 - 30+25.00	6
TOTAL		116

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	FOOT
28+98 - 29+77	LEFT	79
29+11 - 29+90	RIGHT	79
30+10 - 30+86	LEFT	76
30+23 - 30+99	RIGHT	76
TOTAL		310

AGGREGATE SHOULDERS, TYPE B**

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
28+00.00 - 28+39.77	LEFT	3.30' AVG.	39.77'	3
28+00.00 - 28+50.00	RIGHT	3.47' AVG.	50.00'	4
28+39.77 - 28+65.00	LEFT	5.88' AVG.	25.23'	3
28+50.00 - 28+66.00	RIGHT	4.00'	16.00'	2
28+65.00 - 29+00.00	LEFT	8.00'	35.00'	7
28+66.00 - 28+90.00	RIGHT	6.00' AVG.	24.00'	3
29+00.00 - 29+04.00	LEFT	7.67' AVG.	4.00'	1
28+90.00 - 29+25.00	RIGHT	8.00'	35.00'	7
29+04.00 - 30+46.00	LEFT	7.33'	142.00'	24
29+25.00 - 29+29.00	RIGHT	7.67' AVG.	4.00'	1
29+29.00 - 30+46.00	RIGHT	7.33'	117.00'	20
30+46.00 - 30+50.00	LEFT	7.67' AVG.	4.00'	1
30+46.00 - 30+50.00	RIGHT	7.67' AVG.	4.00'	1
30+50.00 - 30+85.00	LEFT	8.00'	35.00'	7
30+50.00 - 30+85.00	RIGHT	8.00'	35.00'	7
30+85.00 - 31+09.00	LEFT	6.00' AVG.	24.00'	3
30+85.00 - 31+09.00	RIGHT	6.00' AVG.	24.00'	3
31+09.00 - 31+50.00	LEFT	4.00'	41.00'	4
31+09.00 - 31+50.00	RIGHT	4.00'	41.00'	4
31+50.00 - 32+00.00	LEFT	3.75' AVG.	50.00'	4
31+50.00 - 32+00.00	RIGHT	3.63' AVG.	50.00'	4
TOTAL				113

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

TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT

SIDE	STATION TO STATION	EACH
LEFT	28+75.00 - 29+25.00	1
RIGHT	29+00.00 - 29+50.00	1
LEFT	30+25.00 - 30+75.00	1
RIGHT	30+25.00 - 30+75.00	1
TOTAL		4

GUARDRAIL MARKERS

STATION TO STATION	SIDE	GUARDRAIL MARKERS (EACH)
29+25 - 30+25	LEFT	4
29+50 - 30+25	RIGHT	4
TOTAL		8

TEMPORARY DITCH CHECKS

STATION	SIDE	FOOT
29+90	RIGHT	11
29+97	LEFT	11
TOTAL		22

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
28+00	LEFT	35
28+00 - 29+60	LEFT	165
28+00 - 28+25	RIGHT	30
30+35 - 32+00	RIGHT	175
31+50 - 32+00	LEFT	50
TOTAL		455

TEMPORARY PAVEMENT MARKING - LINE 4"

STATION TO STATION	SIDE	DESCRIPTION	FOOT
28+00 - 32+00	☺	YELLOW SKIP-DASH	100
TOTAL			100

PERMANENT PAVEMENT MARKING BY OTHERS.