

TOPSOIL, SEEDING, MULCH & NUTRIENTS									
STATION +/-	TO	STATION +/-	SIDE	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 2A	MULCH, METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
				SQ YD	ACRE	ACRE	POUND	POUND	POUND
7+75.9	TO	12+04.3	LT & RT	241.5	0.5	0.5	45.0	45.0	45.0
TOTAL				242	0.5	0.5	45	45	45

FERTILIZER NUTRIENTS ARE FIGURED AT THE RATE OF APPLICATION OF 90 POUNDS/ACRE.

ENTRANCE AND SIDE ROAD						
STATION	SIDE	TYPE	AGGREGATE BASE COURSE, TYPE B, 4"	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70	INCIDENTAL HOT-MIX ASPHALT SURFACING	BITUMINOUS MATERIALS (PRIME COAT) 0.375 G/SY
			SQ YD	TON	TON	GAL
11+31.0	LT	SIDEROAD	260.6	85.4	27.1	97.7
11+56.6	RT	PE	69.8	22.4	6.9	26.2
SUB-TOTAL			330.4	107.8	34.0	123.9
TOTAL			331	108	34	124

AGGREGATE FOR TEMPORARY ACCESS					
STATION	SIDE	WIDTH	LENGTH	THICKNESS	TON
		FOOT			
11+31.0	LT	10	132	0.75	75.2
11+56.6	RT	10	68	0.75	38.7
SUB-TOTAL					113.9
TOTAL					114

EARTHWORK							
STATION	TO	STATION	1	2	3	4	5
			EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)	
7+75.9	TO	12+04.3	62.0	52.7	62.0	-9.3	
TOTAL			62	53	62	-9	

SHRINKAGE FACTORS: 15%
EARTH EXCAVATION:
COLUMN 1, 2, 3 & 4 - LOCATION AND QUANTITIES FROM CROSS SECTIONS.
CUT = EARTH EXCAVATION AND FILL = EMBANKMENT
COLUMN 3 = COLUMN 2 x (1 - EARTH EXCAVATION SHRINKAGE FACTOR)
COLUMN 5 = COLUMN 3 - COLUMN 4

PAY ITEMS:
COLUMN 2 IS EARTH EXCAVATION = 62 CU YD
COLUMN 5 IS FURNISHED EXCAVATION = 9 CU YD
COMPENSATION STORAGE AREA IS INCLUDED IN THE EARTH EXCAVATION.

PAVEMENT										
STATION	TO	STATION	BITUMINOUS MATERIALS (PRIME COAT) 0.375 GAL/SY	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SUB-BASE GRANULAR MATERIAL, TYPE B, 4"	AGGREGATE SHOULDERS, TYPE B, 6"	HOT-MIX ASPHALT SHOULDERS, 9-1/2"	COMMENTS
			GALLON	TON	TON	SQ YD	SQ YD	TON	SQ YD	
7+57.88	TO	7+90.81	154.4	19	3		493	3	5	
7+90.81	TO	8+90.80	126.1			267	336	39	26	AGGREGATE SHOULDER EXTENDS TO BRIDGE
11+04.33	TO	12+04.33	125.3			267	334	24	21	AGGREGATE SHOULDER FROM BRIDGE TO END
TOTAL			406	19	3	533	1164	66	52	

TEMPORARY EROSION CONTROL SEEDING									
STATION +/-	TO	STATION +/-	SIDE	ACRES	POUNDS PER APPLICATION PER ACRE	NUMBER OF APPLICATIONS	TOTAL POUND	MULCH, METHOD 2	ACRE
7+75.9	TO	12+04.3	LT & RT	0.5	100.0	4	200	0.5	
TOTAL							200	0.5	

MULCH METHOD 2 IS USED FOR TEMPORARY MULCHING, ONLY ONE APPLICATION OF MULCHING HAS BEEN INCLUDED. SEEDING CLASS 7 WILL BE USED FOR TEMPORARY EROSION CONTROL SEEDING.

PAVEMENT REMOVAL			
STATION	TO	STATION	AREA SQ YD
7+75.88	TO	9+22.37	423.2
10+74.96	TO	12+04.33	373.7
TOTAL			797

REMOVAL OF ANY SUB-BASE IS TO BE CONSIDERED INCLUDED IN THE COST OF THE PAVEMENT REMOVAL.

DRIVEWAY PAVEMENT REMOVAL		
STATION	SIDE	HOT-MIX ASPHALT SQ YD
11+05.4	LT	241.9
TOTAL		242

PIPE DRAINS					
STATION	SIDE	PIPE DRAINS, CORRUGATED STEEL, 12"	PIPE ELBOW, 12"	METAL END SECTIONS, 12"	TYPE B INLET BOX, STANDARD 609006
		FOOT	EACH	EACH	EACH
9+05.74	LT	6	1		1
9+11.19	LT	6		1	
9+24.36	RT	12	1		1
9+31.83	RT	8		1	
TOTAL		32	2	2	2

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH			
LOCATION	WIDTH FOOT	SIDE	PCC SIDEWALK, 5 INCH SQ FT
SOUTHEAST QUADRANT	4.5	RT	477.0
NORTHEAST QUADRANT	4.5	RT	96.8
SUB-TOTAL			573.8
TOTAL			574

COMBINATION CONCRETE CURB AND GUTTER			
LOCATION	SIDE	TYPE M-2.12 FOOT	PROTECTIVE COAT SQ YD
SOUTHEAST QUADRANT	RT	104.7	17.5
NORTHEAST QUADRANT	RT	72.9	12.2
* OUTLET	RT	6.0	1.8
TOTAL		184	32

*SEE SPECIAL PROVISIONS AND SPECIAL DETAILS.

PERIMETER EROSION BARRIER				
STATION	TO	STATION	SIDE	LENGTH FOOT
8+50.00	TO	9+11.22	LT	60.0
8+75.00	TO	9+32.24	RT	57.0
10+86.44	TO	11+92.40	RT	90.0
11+29.70	TO	11+75.00	LT	51.0
TOTAL				258

PERIMETER EROSION BARRIER IS SILT FENCE.

THERMOPLASTIC PAVEMENT MARKING			
STATION	TO	STATION	LINE
			4" DOUBLE YELLOW CENTERLINE FOOT
7+75.9	TO	12+04.3	110
TOTAL			110

STEEL PLATE BEAM GUARDRAIL								
LOCATION	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) FOOT	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT EACH	TRAFFIC BARRIER TERMINAL, TYPE 2 EACH	TRAFFIC BARRIER TERMINAL, TYPE 5 EACH	TRAFFIC BARRIER TERMINAL, TYPE 6 EACH	TERMINAL MARKER DIRECT APPLIED EACH	REFLECTOR MARKERS, TYPE A EACH	GUARDRAIL REMOVAL FOOT
SOUTHWEST SIDE		1			1	1	4	
SOUTHEAST SIDE		1			1	1	4	
NORTHWEST SIDE	41.5						4	34
NORTHEAST SIDE			1	1			4	
TOTAL		41.5	2	1	1	2	16	34