

TOPSOIL, SODDING, SUPPLEMENTAL WATERING & NUTRIENTS										
STATION +/-	TO	STATION +/-	SIDE	SODDING, IN ACRES, IS FOR INFORMATION ONLY	TOPSOIL FURNISH AND PLACE 4"	SODDING	SUPPLEMENTAL WATERING	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
					SQ YD	SQ YD	UNIT	POUND	POUND	POUND
14+35.0	TO	23+39.0	LT	0.4	1904	1904	23	35.4	35.4	35.4
14+35.0	TO	23+39.0	RT	0.6	2942	2942	35	54.7	54.7	54.7
TOTAL					4846	4846	58	91	91	91

NOTE: FERTILIZER NUTRIENT IS FIGURED AT THE RATE OF APPLICATION OF 90 POUNDS/ACRE.

PERIMETER EROSION BARRIER				
STATION	TO	STATION	SIDE	LENGTH FOOT
14+35	TO	14+83	LT	70
14+35	TO	15+48	RT	127
15+07	TO	18+64	LT	384
15+72	TO	19+12	RT	373
21+42	TO	23+40	RT	232
TOTAL 1186				

PERIMETER EROSION BARRIER IS SILT FENCE.

TREE REMOVAL			
STATION	OFFSET	6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
15+96.80	40.4 RT		18
15+96.80	40.4 RT	15	
16+72.83	50.1 RT	8	
16+94.69	48.9 RT		16
17+32.86	46.0 RT	10	
17+36.13	49.4 RT		18
17+37.78	45.9 RT	15	
17+51.91	45.0 RT	6	
17+59.88	41.3 RT		24
17+59.88	41.3 RT		24
17+60.83	52.2 RT	15	
17+63.90	48.7 RT	12	
17+72.45	46.3 RT	12	
17+73.95	48.9 RT		18
18+04.10	36.9 RT		20
18+04.10	36.9 RT		20
18+04.10	36.9 RT		20
18+32.18	54.9 RT	12	
18+35.37	46.1 RT	10	
18+63.59	49.4 RT	8	
18+79.30	56.2 RT	12	
18+87.53	51.6 RT	10	
19+34.13	44.7 RT	10	
TOTAL		155	178

INLET AND PIPE PROTECTION			
STATION	OFFSET	SIDE	EACH
14+91.3	41.7'	RT	1
15+38.3	43.6'	RT	1
21+25.0	30.0'	LT	1
22+25.0	31.8'	RT	1
TOTAL 4			

EARTHWORK						
1	3	4	5	6		
STATION	TO	STATION	EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)
CU YD						
14+35.0	TO	19+25.0	641.0	480.8	3216.0	-2735.3
21+25.0	TO	23+39.0	96.0	72.0	513.0	-441.0
TOTAL			737	553	3729	-3176

\*SEE SPECIAL PROVISIONS.  
SHRINKAGE FACTORS: 25%  
EARTH EXCAVATION:  
COLUMN 1, 3, & 5 - LOCATION AND QUANTITIES FROM CROSS SECTIONS.  
CUT = EARTH EXCAVATION, FILL = EMBANKMENT  
COLUMN 4 = ( COLUMN 3 ) x ( EARTH EXCAVATION SHRINKAGE FACTOR )  
COLUMN 6 = COLUMN 4 - COLUMN 5

PAY ITEMS:  
COLUMN # 3 EARTH EXCAVATION = 737 CU YD  
COLUMN # 6 FURNISHED 3176 CU YD

TEMPORARY DITCH CHECKS (ROLLED EXCELSIOR)		
STATION	SIDE	LENGTH FOOT
17+30	RT	24
18+80	RT	24
22+30	RT	24
22+80	RT	24
TOTAL 96		

INLET FILTERS			
STATION	OFFSET	SIDE	EACH
22+50.0	15.0'	RT	1
22+50.0	15.0'	LT	1
22+66.5	15.0'	RT	1
22+66.5	15.0'	LT	1
TOTAL 4			

RIPRAP			
STATION	SIDE	STONE RIPRAP, CLASS A4	FILTER FABRIC
SQ YD			
15+30.7	LT	33	58
20+57.5	LT	33	58
21+18.5	RT	49	81
TOTAL		115	197

FURNISHING AND ERECTING RIGHT OF WAY MARKERS			
STATION	SIDE	OFFSET	EACH
14+42.75	LT	40.0'	1
14+42.75	LT	60.0'	1
14+25.00	RT	40.0'	1
14+25.00	RT	65.0'	1
18+00.00	RT	65.0'	1
18+00.00	RT	75.0'	1
21+15.00	LT	35.0'	1
21+15.00	LT	60.0'	1
21+25.00	RT	55.0'	1
21+25.00	RT	75.0'	1
23+40.00	RT	35.0'	1
23+40.00	RT	55.0'	1
TOTAL			12

TEMPORARY EROSION CONTROL SEEDING								
STATION +/-	TO	STATION +/-	SIDE	SEEDING CLASS 7 ACRES	POUNDS PER APPLICATION PER ACRE	NUMBER OF APPLICATIONS	TOTAL POUND	MULCH, METHOD 2 ACRE
14+35.0	TO	23+39.0	LT	0.4	100.0	4	160	0.4
14+35.0	TO	23+39.0	RT	0.6	100.0	4	240	0.6
TOTAL							400	1.0

NOTE: MULCH METHOD 2 IS USED FOR TEMPORARY MULCHING, ONLY ONE APPLICATION OF MULCHING HAS BEEN INCLUDED.

AGGREGATE FOR TEMPORARY ACCESS							
STATION	LOCATION	SIDE	TYPE	LENGTH	WIDTH	THICKNESS	TON
				FOOT			
15+59.80	RT	PE		54	19	0.5	39
TOTAL							39

ENTRANCE						
STATION	SIDE	TYPE	AGGREGATE BASE COURSE, TYPE B, 8"	AGGREGATE SURFACE COURSE, TYPE B	INCIDENTAL HOT-MIX ASPHALT SURFACING	BITUMINOUS MATERIALS (PRIME COAT) 0.375 G/SY
			SQ YD	TON		GALLON
14+83.7	LT	FE		120		
15+59.8	RT	CE	131		22	49
TOTAL			131	120	22	49

PAVEMENT									
STATION	TO	STATION	BITUMINOUS MATERIAL (PRIME COAT) 0.375 GAL/SQ YD	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	SUB-BASE GRANULAR MATERIAL, TYPE B, 12"	HOT-MIX ASPHALT SHOULDER, 8"	AGGREGATE SHOULDERS, TYPE B
			GALLON	TON	TON	TON	SQ YD	SQ YD	TON
14+35.00	TO	18+69.47	657	7	486	123	1714	347	139
21+30.25	TO	23+39.00	226	3	228	59	746		
TOTAL			883	10	714	182	2460	347	139