

EARTHWORK, LANDSCAPING, EROSION CONTROL

PAY ITEM	UNIT	STA. 4+11.71 TO STA. 4+50	STA. 4+50 TO STA. 10+50	STA. 10+50 TO STA. 15+75.79	TOTAL
TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	0	242	50	292
TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	0	30	0	30
TEMPORARY FENCE	FOOT	0	247	19	266
TREE ROOT PRUNING	EACH	0	14	1	15
EARTH EXCAVATION	CU YD	11	353	495	858
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5	282	184	471
FURNISHED EXCAVATION	CU YD	0	0	0	1237
POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	0	100	0	100
TRENCH BACKFILL	CU YD	0	0	54	54
COMPOST FURNISH AND PLACE, 4"	SQ YD	48	2049	1009	3106
SEEDING, CLASS 4	ACRE	0.01	0.42	0.18	0.61
NITROGEN FERTILIZER NUTRIENT	POUND	0.0	0.3	2.6	2.9
PHOSPHORUS FERTILIZER NUTRIENT	POUND	0.0	0.3	2.6	2.9
POTASSIUM FERTILIZER NUTRIENT	POUND	0.0	0.3	2.6	2.9
SELECTIVE MOWING STAKES	EACH	0	2	1	3
INTERSEEDING, CLASS 4	ACRE	0.01	0.19	0.07	0.27
EROSION CONTROL BLANKET	SQ YD	48	2033	871	2952
SODDING, SALT TOLERANT	SQ YD	0	16	138	154
TEMPORARY EROSION CONTROL SEEDING	POUND	1	42	18	61
TEMPORARY DITCH CHECKS	EACH	0	12	10	22
INLET AND PIPE PROTECTION	EACH	0	0	1	1
STONE RIPRAP, CLASS A4	SQ YD	0	158	0	158
FILTER FABRIC	SQ YD	0	158	0	158
TREE, BETULA NIGRA (RIVER BIRCH), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	0	0	3	3
TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	0	0	5	5
TREE, AMELANCHIER X GRANDIFLORA (APPLE SERVICEBERRY), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	0	7	0	7
SHRUB, HAMAMELIS VERNALIS (VERNAL WITCH HAZEL), 4' HEIGHT, BALLED AND BURLAPPED	EACH	0	9	0	9
SHRUB, ILEX VERTICILLATA WINTER RED, (WINTER RED WINTERBERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	0	6	19	25
SHRUB, ILEX VERTICILLATA 'SOUTHERN GENTLEMAN' (SOUTHERN GENTLEMAN WINTERBERRY), CONTAINER GROWN, #3 GALLON	EACH	0	0	15	15
BROADLEAF WEED CONTROL IN TURF	GALLON	0	0	1	1
PERENNIAL PLANTS, DAFFODIL BULBS	UNIT	0	0	2.5	2.5
WEED CONTROL, TEASEL	GALLON	0	1	0	1
TEMPORARY CLEAR WATER DIVERSION	L SUM	0	1	0	1
WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	0	0.7	0.8	1.5
SEDIMENT CONTROL, SILT FENCE	FOOT	57	1199	784	2040
SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	57	1199	784	2040
SELECTIVE CLEARING	UNIT	1	8	3	12
TURBIDITY CURTAIN	FOOT	0	108	0	108

BASE COURSES

PAY ITEM	UNIT	STA. 4+11.71 TO STA. 4+50	STA. 4+50 TO STA. 10+50	STA. 10+50 TO STA. 15+75.79	TOTAL
AGGREGATE SUBGRADE 12"	SQ YD	43	2205	1700	3948
BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	0	0	164	164
BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	0	0	119	119

SURFACE COURSES, PAVEMENTS, REHABILITATION AND SHOULDERS

PAY ITEM	UNIT	STA. 4+11.71 TO STA. 4+50	STA. 4+50 TO STA. 10+50	STA. 10+50 TO STA. 15+75.79	TOTAL
BITUMINOUS MATERIALS (PRIME COAT)	TON	0	2	3	5
CONSTRUCTING TEST STRIP	EACH	0	1	1	2
PAVEMENT REMOVAL	SQ YD	0	524	658	1182
PAVEMENT BREAKING	SQ YD	0	678	380	1058
BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	43	1060	702	1805
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (2")	TON	0	0	31	31
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70 (2")	TON	0	128	112	240
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50 (2 1/4")	TON	0	144	126	270
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 (4 3/4")	TON	0	305	266	571
BITUMINOUS DRIVEWAY REMOVAL	SQ YD	0	0	219	219
TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	0	0	2	2
TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	0	0	1	1
TEMPORARY ACCESS (ROAD)	EACH	0	0	1	1

TREE REMOVAL (6 TO 15 UNITS DIAMETER)				TREE REMOVAL (OVER 15 UNITS DIAMETER)				
STATION	OFFSET	UNITS		STATION	OFFSET	UNITS		
6+11.9	23.9'RT	8	7+10.4	40.8'RT	10	8+75.7	37.9'LT	8
6+52.9	25.8'RT	12	8+42.4	28.4'RT	10	9+35.8	20.9'RT	10
6+53.0	26.9'LT	8	8+42.4	28.4'RT	10	9+72.3	31.5'RT	14
6+63.7	24.6'RT	14	8+42.4	28.4'RT	10	9+72.3	31.5'RT	12
6+72.4	24.2'LT	8	8+42.4	28.4'RT	10	9+87.9	39.5'RT	10
7+00.2	24.1'LT	8	8+42.4	28.4'RT	10	10+15.6	40.9'RT	10
7+00.6	41.9'RT	6	8+55.2	27.7'RT	6	10+19.1	39.2'RT	8
7+05.3	41.8'RT	6	8+73.0	34.8'RT	8	14+03.5	33.6'LT	12
SUBTOTAL 70			SUBTOTAL 74			SUBTOTAL 72		
						SUBTOTAL 76		
						TOTAL: 292		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1602	74 B-1	COOK	34	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62418				

STRUCTURES

PAY ITEM	UNIT	STA. 4+11.71 TO STA. 4+50	STA. 4+50 TO STA. 10+50	STA. 10+50 TO STA. 15+75.79	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH	0	1	0	1
PIPE CULVERT REMOVAL	FOOT	0	0	68	68
NAME PLATES	EACH	0	1	0	1
BOX CULVERT END SECTIONS	EACH	0	2	0	2
PRECAST CONCRETE BOX CULVERT 12' X 6'	FOOT	0	112	0	112
STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT,	FOOT	0	33	200	233
STORM DRAIN, AND SEWER PIPE, CLASS IV 18"					

INCIDENTAL CONSTRUCTION

PAY ITEM	UNIT	STA. 4+11.71 TO STA. 4+50	STA. 4+50 TO STA. 10+50	STA. 10+50 TO STA. 15+75.79	TOTAL
CONCRETE HEADWALL FOR PIPE DRAINS	EACH	0	2	2	4
PIPE UNDERDRAINS 4"	FOOT	0	898	783	1681
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE B GRATE	EACH	0	0	1	1
VALVE BOXES TO BE ADJUSTED	EACH	0	1	0	1
PAVED DITCH (SPECIAL)	FOOT	0	34	125	159
STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	0	875	575	1450
STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	0	75	0	75
TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0	0	1	1
TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	0	2	1	3
STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	0	271	75	346
ENGINEER'S FIELD OFFICE, TYPE A	CAL MO				12
MOBILIZATION	L SUM				1
TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH				1
TEMPORARY INFORMATION SIGNING	SQ FT				52
CONSTRUCTION LAYOUT	L SUM				1

SIGNING AND PAVEMENT MARKING

PAY ITEM	UNIT	STA. 4+11.71 TO STA. 4+50	STA. 4+50 TO STA. 10+50	STA. 10+50 TO STA. 15+75.79	TOTAL
RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	2	5	8
THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	0	1720	1500	3220
RAISED REFLECTIVE PAVEMENT MARKER	EACH	0	22	20	42
GUARDRAIL REFLECTORS	EACH	0	7	9	16
TERMINAL MARKER - DIRECT APPLIED	EACH	0	2	1	3
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	0	22	20	42

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) or SHORTAGE (-)	UNSUITABLE MATERIAL	COMPOST FURNISH AND PLACE
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	SQUARE YARD
STA 4+11.71 TO STA. 4+50	11	9	1	8	5	48
STA. 4+50 TO STA. 10+50	353	300	1369	-1069	282	2049
STA. 10+50 TO STA. 15+75.79	495	421	597	-176	184	1009
TOTAL	858	729	1967	-1237	471	3106

SHRINKAGE FACTOR: EARTH EXCAVATION: 15%

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 147th STREET OVER BOCA RIO DITCH
 F.A.U. 1602, SECTION 74 B-1
 COOK COUNTY
 SCHEDULE OF QUANTITIES

SCALE: VERT. NOT TO SCALE
 HORIZ. DATE: SEPTEMBER 2006
 DRAWN BY: TC
 CHECKED BY: KMA

9/20/2006 H:\DOT\BRI\06\124062\DESIGN\GNDC\N1\LV8\06SCH.DGN