

Stage I

Sta	Area Cut (Sq. Ft.)	Average End Area Cut (Sq. Ft.)	Earth Ex (Cu. Yd.)	Excavation adjusted for Shrinkage, 15%	Area Fill (Sq. Ft.)	Average End Area Fill (Sq. Ft.)	Embankment (Cu. Yd.)	Earthwork Balance Waste (+) or Shortage (-) (Cu. Yd.)	Area Unsuitable (Topsoil Ex) (Sq. Ft.)	Average End Area Unsuitable (Topsoil Ex) (Sq. Ft.)	Unsuitable Excavation (Topsoil Removal) (Cu. Yd.)
50+61.90	0				0						
51+00	0	0.0	0.0	0.0	0	0.0	0.0	+0.0	3.4	1.7	2.4
52+00	0.5	0.3	0.9	0.8	0	0.0	0.0	+0.8	6.0	4.7	17.4
53+00	0.1	0.3	1.1	0.9	0	0.0	0.0	+0.9	17.5	11.8	43.5
54+00	3.6	1.9	6.9	5.8	0	0.0	0.0	+5.8	14.5	16.0	59.3
55+00	0.1	1.9	6.9	5.8	0	0.0	0.0	+5.8	18.5	16.5	61.1
56+00	4.4	2.3	8.3	7.1	0	0.0	0.0	+7.1	17.7	18.1	67.0
57+00	2.6	3.5	13.0	11.0	0	0.0	0.0	+11.0	12.4	15.1	55.7
58+00	2.1	2.4	8.7	7.4	0	0.0	0.0	+7.4	11.9	12.2	45.0
59+00	0.5	1.3	4.8	4.1	1.4	0.7	0.0	+4.0	10.2	11.1	40.9
60+00	0.8	0.7	2.4	2.0	0	0.7	0.0	+2.0	9	9.6	35.6
61+00	1.2	1.0	3.7	3.1	0	0.0	0.0	+3.1	13.9	11.5	42.4
62+00	10.9	6.1	22.4	19.0	0	0.0	0.0	+19.0	26.3	20.1	74.4
62+91	0	5.5	18.4	15.6	0	0.0	0.0	+15.6	19.6	23.0	77.4
Subtotal=		97.4		82.8			0.1	+82.8			622.2

Stage II

Sta	Area Cut (Sq. Ft.)	Average End Area Cut (Sq. Ft.)	Earth Ex (Cu. Yd.)	Excavation adjusted for Shrinkage, 15%	Area Fill (Sq. Ft.)	Average End Area Fill (Sq. Ft.)	Embankment (Cu. Yd.)	Earthwork Balance Waste (+) or Shortage (-) (Cu. Yd.)	Area Unsuitable (Topsoil Ex) (Sq. Ft.)	Average End Area Unsuitable (Topsoil Ex) (Sq. Ft.)	Unsuitable Excavation (Topsoil Removal) (Cu. Yd.)
50+61.90	0				0						
51+00	0	0.0	0.0	0.0	0	0.0	0.0	+0.0	3.5	1.8	2.5
52+00	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	2.6	3.1	11.3
53+00	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	6.3	4.5	16.5
54+00	0.1	0.1	0.2	0.2	0	0.0	0.0	+0.2	2.6	4.5	16.5
55+00	0.1	0.1	0.4	0.3	0	0.0	0.0	+0.3	6.1	4.4	16.1
56+00	0.0	0.1	0.2	0.2	0	0.0	0.0	+0.2	3.8	5.0	18.3
57+00	0.1	0.1	0.2	0.2	0	0.0	0.0	+0.2	6.1	5.0	18.3
58+00	0.0	0.1	0.2	0.2	0	0.0	0.0	+0.2	2.1	4.1	15.2
59+00	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	0	1.1	3.9
60+00	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	0	0.0	0.0
61+00	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	0	0.0	0.0
62+00	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	0	0.0	0.0
62+91	0.0	0.0	0.0	0.0	0	0.0	0.0	+0.0	0	0.0	0.0
Subtotal=		1.1		0.9			0.0	+0.9			118.6
Total=		98.6		83.8			0.0	+83.8			740.7

Total Earth Excavation= 100 CU. YD.

Removal of Unsuitable Material (18" of Topsoil)= 741 CU. YD.

Removal of Unsuitable Material (Undercuts as directed by the Engineer pavement widening area)= 231 CU. YD.

Removal of Unsuitable Material (Undercuts as directed by the Engineer pavement patching areas)= 1660 CU. YD.

Total Removal of Unsuitable Material= 2,632 CU. YD.

PAY ITEM: X4067107

DESCRIPTION: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50

ASSUMPTIONS: RESURFACING ONLY AREA IS 0.75 INCHES DEEP. USED AVERAGE DEPTHS FROM 50+61.90 TO 61+94. USED 0.75 INCHES FOR WIDENING AREA

RESURFACING ONLY AREA	AREA (SQ. YD.)	QUANTITY (TONS)
44+10.88 to 50+61.90	3894.3	153 TONS
WIDENING AREA		
51+51.91 to 61+94	502.0	20 TONS

SAFETY IMPROVEMENT RESURFACING AREA	AVG DEPTH (INCH)	AVG END AREA DEPTH (INCH)	WIDTH OF RESURFACING (FEET)	AVG WIDTH OF RESURFACING (FEET)	AVG END AREA (SQ. YD.)	TONS
50+61.90	LT 2.09		26.000			
51+00	LT 2.7	2.4	25.786	25.893	109.6	13.8
52+00	LT 3.16	2.9	25.861	25.8235	286.9	44.1
53+00	LT 3.07	3.1	26.053	25.957	288.4	47.2
54+00	LT 3.55	3.3	25.969	26.011	289.0	50.2
55+00	LT 4.56	4.1	25.895	25.932	288.1	61.3
56+00	LT 3.68	4.1	25.889	25.892	287.7	62.2
57+00	LT 2.27	3.0	25.887	25.888	287.6	44.9
58+00	LT 2.91	2.6	25.789	25.838	287.1	39.0
59+00	LT 3.93	3.4	26.015	25.902	287.8	51.7
60+00	LT 2.98	3.5	26.097	26.056	289.5	52.5
61+00	LT 2.21	2.6	26.177	26.137	290.4	39.6
61+94	LT 1.25	1.7	26.045	26.111	272.7	24.8

50+61.90			26.000			
51+00	RT 1.46	1.4	26.000	26.000	110.1	7.8
52+00	RT 2.21	1.8	26.000	26.000	288.9	27.8
53+00	RT 1.92	2.1	26.000	26.000	288.9	31.3
54+00	RT 2.19	2.1	26.000	26.000	288.9	31.2
55+00	RT 2.42	2.3	25.912	25.956	288.4	34.9
56+00	RT 1.75	2.1	26.000	25.956	288.4	31.6
57+00	RT 1.24	1.5	26.000	26.000	288.9	22.7
58+00	RT 3.50	2.4	26.000	26.000	288.9	35.9
59+00	RT 1.89	2.7	35.163	30.5815	339.8	48.1
60+00	RT 1.24	1.6	34.367	34.765	386.3	31.7
61+00	RT 1.37	1.3	35.597	34.982	388.7	26.6
61+94	RT 1.25	1.3	26.377	30.987	323.6	22.3

Total= 1056 TONS

STORM SEWERS

Sta	Offset	to	Sta	Offset	Length (ft)	Pipe Dia. (in)	Type	CLASS	Trench Backfill (Cu Yd)	Slope
51+95.74	27.98' LT	to	51+95.77	27.00' LT	1.0	12	1	A	0.2	0.44%
55+16.42	32.00' LT	to	55+16.65	25.87' LT	6.0	12	1	A	1.0	2.19%
57+96.50	32.00' LT	to	57+96.48	25.64' LT	6.5	12	1	A	1.0	1.00%

TRENCH BACKFILL, SUBTOTAL= 2.2 CU. YD.

PIPE CULVERTS, CL A TYPE 1, 15"

Station	to	Station	Length (ft)	Pipe Dia. (in)	Type	Slope	Trench Backfill (CU YD)
60+23.02	to	60+72.68	50	15	1	0.36%	0

TRENCH BACKFILL SUBTOTAL= 0.0 CU. YD.

PIPE CULVERTS, CL D TYPE 1, 15"

Station	to	Station	Length (ft)	Pipe Dia. (in)	Type	Trench Backfill (Cu Yd)	Slope
62+16.48	to	62+42.17	26	15	1	1.9	0.36%

Trench Backfill, Subtotal= 1.9 CU. YD.

INLETS, TYPE A, TYPE 24 FRAME AND GRATE

Str. No.	Station	Offset	Rim Elev.	Outlet Dia	Inv. Elev.	Trench Backfill Cu Yd
1	51+95.74	27.98	LT 715.81	12" S	711.96	1.0
2	55+16.42	32.00	LT 717.16	12" S	713.56	1.0
3	57+96.50	32.00	LT 718.20	12" S	714.57	1.0

Trench Backfill, Subtotal= 3.0 Cu. Yd.

CATCH BASINS, TYPE A, 4' DIA. TYPE 24 FRAME AND GRATE

Str. No.	Station	Offset	Rim Elev.	Outlet Dia	Inv. Elev.	Inlet Dia	Inv. Elev.	Trench Backfill Cu Yd
4	46+01.94	27.29	RT 713.00	12" S	708.77	12" N	708.77	2.0
5	48+96.78	27.15	RT 714.12	12" S	710.66	12" N	710.67	2.0
6	51+98.16	27.22	RT 715.64	12" S	711.88	12" N	711.93	2.0
7	55+18.65	26.93	RT 717.06	12" S	712.15	12" N	712.25	2.0
8	57+96.33	27.03	RT 718.08	12" S	713.93	12" N	713.94	2.0

Trench Backfill, Subtotal= 10.0 Cu. Yd.

Trench Backfill, Total= 17.1 Cu. Yd.

ADJUSTED MANHOLES

Station	Offset	Grate Type
60+51.47	33.45	RT No New Lid

STRUCTURE REMOVAL

Station	Offset	Structure Type
46+01.94	27.29	RT Inlet
48+96.78	27.15	RT Inlet
51+95.73	27.00	LT Inlet
51+98.16	27.22	RT Inlet
55+16.61	26.94	LT Inlet
55+18.65	26.93	RT Inlet
57+96.33	27.03	RT Inlet
57+96.48	27.13	LT Inlet
60+16.94	41.60	LT Flared End Section Removal
60+78.76	42.87	LT Flared End Section Removal

FILE NAME: SFILE6	USER NAME: #USER#	DESIGNED: RDT	REVISIONS:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FABYAN PARKWAY SCHEDULE OF QUANTITIES - EARTHWORK AND DRAINAGE	F.A.P. RTE: 363	SECTION: 08-00370-00-SP	COUNTY: KANE	TOTAL SHEETS: 32	SHEET NO.: 4
	PLOT SCALE: #SCALE#	DRAWN: RDT	REVISIONS:			C-91-510-08	CONTRACT NO. 63416			
	PLOT DATE: #DATE#	CHECKED: JAC	REVISIONS:			ILLINOIS FED. AID PROJECT HSIP-9003 (056)				
		DATE: 12-08-09	REVISIONS:			SCALE: NTS	SHEET NO. 4 OF 33 SHEETS	STA. TO STA.		