F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT CMF-0607 (070)		

CONTRACT NO. 83786

EARTH EXCAVATION

STATION	EARTH EXCAVATION (SF)	EMBANK. (SF)	TOPSOIL EX. (SF)	UNDERCUT (SF)	PGES (SF)	EARTH EXCAVATION (CY)	EMBANK. (CY)	TOPSOIL EXCAVATION (CY)	UNDERCUT (CY)	PGES (CY)	REM. & DISP. OF UNSUIT. (CY)	EARTH EXC. TO BE USED IN EMBANK. (CY)
US ROUTE 52												
19+14	49.5	0.0	0.0	0.0	0.0							
20+00	77.5	30.5	72.6	20.0	20.0	202.3	48.6	115.5	31.9	31.9	147.4	171.9
21+00	34.2	46.0	61.1	20.5	20.5	206.9	141.7	247.6	75.0	75.0	322.6	175.8
22+00	22.5	38.2	73.6	0.0	0.0	105.0	155.8	249.4	38.0	38.0	287.4	89.3
23+00	32.7	35.9	57.2	0.0	0.0	102.2	137.2	260.8	0.0	0.0	260.8	86.9
24+00	89.6	124.6	118.3	0.0	0.0	226.5	297.3	343.6	0.0	0.0	343.6	192.5
25+00	0.0	0.0	0.0	0.0	0.0	166.0	230.8	219.1	0.0	0.0	219.1	141.1
26+00	14.5	41.4	63.6	0.0	0.0	26.9	76.6	117.7	0.0	0.0	117.7	22.9
27+00	20.1	36.1	69.3	0.0	0.0	64.2	143.5	246.1	0.0	0.0	246.1	54.6
28+00	15.2	22.3	58.1	0.0	0.0	65.4	108.2	235.9	0.0	0.0	235.9	55.6
29+00	34.6	15.6	56.1	0.0	0.0	92.2	70.3	211.5	0.0	0.0	211.5	78.3
30+00	15.8	22.4	55.2	0.0	0.0	93.3	70.4	206.1	0.0	0.0	206.1	79.3
31+00	22.6	18.1	57.5	0.0	0.0	71.1	74.9	208.6	0.0	0.0	208.6	60.4
32+00	20.9	24.0	60.4	0.0	0.0	80.6	78.0	218.2	0.0	0.0	218.2	68.5
33+00	49.2	38.0	64.8	0.0	0.0	129.8	114.9	231.9	0.0	0.0	231.9	110.4
34+00	62.6	34.1	64.1	0.0	0.0	207.0	133.6	238.8	0.0	0.0	238.8	176.0
35+00	64.1	48.1	74.3	0.0	0.0	234.6	152.3	256.4	0.0	0.0	256.4	199.4
36+00	14.7	48.1	80.6	16.7	20.5	146.0	178.2	287.0	30.9	37.9	317.9	124.1
37+00	41.9	111.7	141.0	43.7	49.2	104.9	295.9	410.3	111.7	128.9	522.1	89.1
38+00	158.7	113.4	100.2	17.8	21.2	371.6	416.9	446.6	113.9	130.3	560.5	315.8
39+00	12.1	79.9	100.7	0.0	0.0	316.4	358.0	372.0	33.0	39.3	405.0	268.9
40+00	204.1	32.0	47.1	0.0	0.0	400.4	207.3	273.7	0.0	0.0	273.7	340.3
41+00	14.6	37.0	72.0	0.0	0.0	405.0	127.8	220.6	0.0	0.0	220.6	344.2
42+00	22.1	29.2	64.7	0.0	0.0	67.8	122.5	253.3	0.0	0.0	253.3	57.7
43+00	10.1	26.9	46.7	0.0	0.0	59.6	103.9	206.3	0.0	0.0	206.3	50.7
44+00	18.3	24.0	59.0	0.0	0.0	52.7	94.3	195.8	0.0	0.0	195.8	44.8
45+00	19.6	21.8	48.1	0.0	0.0	70.2	84.7	198.4	0.0	0.0	198.4	59.7
46+00	10.3	9.7	30.0	0.0	0.0	55.4	58.2	144.6	0.0	0.0	144.6	47.1
47+00	4.2	13.7	29.8	0.0	0.0	26.9	43.3	110.7	0.0	0.0	110.7	22.9
48+00	5.2	5.0	17.2	0.0	0.0	17.4	34.6	87.0	0.0	0.0	87.0	14.8
49+00	0.1	10.7	22.8	0.0	0.0	9.8	29.1	74.1	0.0	0.0	74.1	8.3
50+00	0.0	0.0	0.0	0.0	0.0	0.2	19.8	42.3	0.0	0.0	42.3	0.2
51+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51+50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RIVER ROAD												
50+50	0.0	0.0	0.0	0.0	0.0							
51+00	70.5	66.9	62.2	0.0	0.0	65.3	61.9	57.6	0.0	0.0	57.6	55.5
52+00	65.5	85.0	59.1	0.0	0.0	252.0	281.3	224.7	0.0	0.0	224.7	214.2
53+00	51.5	93.0	77.6	0.0	0.0	216.7	329.7	253.3	0.0	0.0	253.3	184.2
54+00	240.4	80.6	75.7	0.0	0.0	540.6	321.5	284.0	0.0	0.0	284.0	459.5
55+00	0.0	0.0	0.0	0.0	0.0	445.3	149.2	140.2	0.0	0.0	140.2	378.5
55+50	80.5	389.3	155.7	0.0	0.0	74.5	360.5	144.2	0.0	0.0	144.2	63.3
56+00	66.5	83.9	55.9	0.0	0.0	123.2	155.4	103.4	0.0	0.0	103.4	104.7
57+00	70.7	56.6	35.3	0.0	0.0	254.0	260.1	168.8	0.0	0.0	168.8	215.9
58+00	72.6	51.8	43.5	0.0	0.0	265.3	200.6	145.9	0.0	0.0	145.9	225.5
58+05	0.0	0.0	0.0	0.0	0.0	6.7	4.8	4.0	0.0	0.0	4.0	5.7
TOTALS						6421.7	6333.6	8455.9	434.4	481.2	8890.3	5458.4

EARTHWORK NOTES:

ASSUME 4 INCH DEPTH OF TOPSOIL PLACEMENT.

ASSUME 12 INCH DEPTH OF TOPSOIL EXCAVATION

ASSUME 15% SHRINKAGE OF EARTH EXCAVATION TO BE REUSED IN EMBANKMENT.

AT 37+00 ASSUMED UNDERCUT UNDER STRUCTURE AS WELL

UNDERCUT AND PGE QUANTITIES DIFFER WHEN TOPSOIL EXCAVATION ACCOUNTS FOR SOME OF THE UNDERCUT.

SCHEDULE OF EROSION CONTROL QUANTITIES

PERIMETER EROSION BARRIER	FOOT	2280
TEMPORARY DITCH CHECKS	EACH	12
INLET AND PIPE PROTECTION	EACH	31
STONE RIP-RAP, CLASS A4	SQ. YD.	106
FILTER FABRIC FOR USE WITH RIP-RAP	SQ. YD.	106
INLET FILTERS	EACH	39

TREES

STATION	OFFSET	FREEMAN MAPLE	HACKBERRY	CRAB APPLE
US ROUTE 52				
20+21	40' LT			X
20+51	40' LT			X
20+81	40' LT			X
RIVER ROAD				
50+63	26' LT			X
50+93	26' LT			X
51+23	26' LT			X
51+53	25' LT			X
51+83	25' LT			X
52+13	25' LT			X
52+43	24' LT			X
56+50	44' LT	X		
56+90	44' LT		X	
57+30	44' LT	X		
57+70	44' LT		X	
PROJECT TOTAL =		2	2	10

TREE REMOVAL

STATION	OFFSET	6 TO 15 UNITS	OVER 15 UNITS
20+13	32' RT		36"
20+81	31' RT	12"	
20+99	33' RT		48"
21+32	29' RT	10"	
21+59	31' RT	2-10"	
22+79	36' RT		32"
23+71	38' RT		30"
28+41	36' LT		16"
29+27	35' LT	10"	
29+65	37' LT	10"	
30+43	33' LT	6"	
31+89	32' LT	8"	
PROJECT TOTAL =		76	162

LOCATION	STATION BEGIN		STATION END	LENGTH (FT)	AGGREGATE SUBGRADE, 12 IN. WIDTH (FT)	AGGREGATE SUBGRADE, 12 IN. AREA (SQ YD)	BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19.0, N70 WIDTH (FT)	BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19.0, N70 AREA (SQ YD)	BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19.0, N70 BINDER (TON)	BIT. CONC. SURFACE CRSE., SUPERPAVE, MIX "D", N70 WIDTH (FT)	BIT. CONC. SURFACE CRSE., SUPERPAVE, MIX "D", N70 AREA (SQ YD)	BIT. CONC. SURFACE CRSE., SUPERPAVE, MIX "D", N70 SURFACE (TON)	BIT. SURFACE REMOVAL, VAR. DEPTH WIDTH (FT)	BIT. SURFACE REMOVAL, VAR. DEPTH AREA (SQ YD)
US ROUTE 52	19+14	to	21+62	248.0	VAR	358.2	VAR	261.8	169.3	VAR	895.6	77.2	25.0	688.9
US ROUTE 52	21+62	to	23+08	146.0	20.0	324.4	13.0	210.9	136.4	38.0	616.4	53.2	25.0	405.6
US ROUTE 52	23+08	to	24+38	130.0	VAR	415.3	VAR	310.6	200.9	VAR	671.7	57.9	25.0	361.1
US ROUTE 52	24+38	to	24+57	19.0	VAR	104.0	VAR	84.4	54.6	VAR	138.3	11.9	25.0	52.8
US ROUTE 52	24+57	to	25+40	83.0	0.0	0.0	0.0	0.0	0.0	25.0	230.6	19.9	25.0	230.6
US ROUTE 52	25+40	to	25+50	10.0	VAR	49.7	VAR	41.4	26.8	VAR	67.8	5.8	25.0	27.8
US ROUTE 52	25+50	to	26+70	120.0	VAR	430.0	VAR	333.3	215.6	VAR	626.7	54.1	21.5	286.7
US ROUTE 52	26+70	to	28+50	180.0	20.5	410.0	13.5	270.0	174.7	38.0	760.0	65.6	24.5	490.0
US ROUTE 52	28+50	to	29+03	53.0	23.0	135.4	16.0	94.2	61.0	38.0	223.8	19.3	22.0	129.6
US ROUTE 52	29+03	to	34+00	497.0	20.0	1104.4	13.0	717.9	464.4	38.0	2098.4	181.0	25.0	1380.6
US ROUTE 52	34+00	to	39+50	550.0	20.0	1222.2	13.0	794.4	513.9	38.0	2322.2	200.3	25.0	1527.8
US ROUTE 52	39+50	to	40+55	105.0	VAR	741.5	VAR	487.0	315.0	VAR	778.7	67.2	25.0	291.7
US ROUTE 52	40+55	to	41+45	90.0	17.0	170.0	10.0	100.0	64.7	38.0	380.0	32.8	28.0	280.0
US ROUTE 52	41+45	to	42+70	125.0	6.5	90.3	3.0	41.7	27.0	VAR	687.8	59.3	VAR	646.1
US ROUTE 52	42+70	to	43+20	50.0	0.0	0.0	0.0	0.0	0.0	VAR	439.4	37.9	VAR	439.4
US ROUTE 52	43+20	to	47+00	380.0	0.0	0.0	0.0	0.0	0.0	38.0	1604.4	138.4	38.0	1604.4
US ROUTE 52	47+00	to	48+33	133.0	0.0	0.0	0.0	0.0	0.0	VAR	1273.8	109.9	VAR	1273.8
US ROUTE 52	48+33	to	51+50	317.0	0.0	0.0	0.0	0.0	0.0	38.0	1338.4	115.4	38.0	1338.4
US ROUTE 52 TOTALS =						5555.5		3747.6	2424.2		15154.0	1307.0		11455.1

LOCATION	STATION BEGIN		STATION END	LENGTH (FT)	AGGREGATE SUBGRADE, 12 IN. WIDTH (FT)	AGGREGATE SUBGRADE, 12 IN. AREA (SQ YD)	BIT. CONC. PVT. (F-D), SUPERPAVE, 9.5 IN. WIDTH (FT)	BIT. CONC. PVT. (F-D), SUPERPAVE, 9.5 IN. AREA (SQ YD)
RIVER ROAD	50+45	to	53+60	315.0	40.0	1400.0	35.0	1225.0
RIVER ROAD	53+60	to	54+35	75.0	48.5	404.2	43.5	362.5
RIVER ROAD	54+35	to	54+88	52.5	VAR	455.0	VAR	432.0
RIVER ROAD	55+13	to	55+71	58.0	VAR	479.0	VAR	444.7
RIVER ROAD	55+71	to	58+05	234.0	44.0	1144.0	39.0	1014.0
RIVER ROAD TOTALS =						3882.2		3478.2

* BITUMINOUS QUANTITIES COMPUTED WITH 115 LB/SY/IN

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS	DRAWING FILE:		PLOTTED BY:

BAXTER & WOODMAN Consulting Engineers

Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Grayslake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

SCHEDULE OF MATERIALS

DESIGNED BY	SCALE
LDH	NONE
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH	7 OF 85
DATE	
10-05-04	