

F&M RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
8075	03-00167-04-FP	SANGAMON	109	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

SCHEDULE OF QUANTITIES

TREE REMOVAL

LOCATION	6 TO 15 UNITS DIA.	OVER 15 UNITS DIA.	ACRES
461+73 TO 465+57			0.07
480+23 TO 485+20			1.23
496+61 TO 498+80			0.25
498+75.7, 78.8' LT	12		
498+75.7, 78.8' LT	12		
498+75.7, 78.8' LT	12		
498+75.7, 78.8' LT	12		
498+75.7, 78.8' LT	12		
498+77.0, 81.5' LT	9		
498+77.3, 73.5' LT	9		
498+81.4, 82.0' LT	8		
498+82.1, 77.2' LT	11		
498+88.4, 60.2' LT	8		
498+90.3, 87.7' LT	8		
498+94.7, 6.2' LT	6		
498+94.7, 6.2' LT	6		
498+95.0, 113.1' LT	14		
498+96.1, 86.7' LT	8		
498+96.3, 91.2' LT	8		
498+99.1, 62.6' LT	15		
499+00.6, 2.6' LT	7		
499+01.1, 36.8' LT	8		
499+02.5, 129.8' LT	12		
499+03.0, 109.5' LT	9		
499+04.6, 105.9' LT	12		
499+08.0, 119.7' LT	6		
499+08.2, 101.6' LT	9		
499+08.2, 101.6' LT	9		
499+08.3, 137.5' LT	6		
499+08.3, 137.5' LT	9		
499+08.6, 122.7' LT	6		
499+10.8, 55.2' LT	7		
499+12.2, 116.7' LT	8		
499+12.5, 11.9' LT	12		
499+12.5, 11.9' LT	12		
499+12.5, 11.9' LT		24	
198+64.6, 26.8' LT	10		
198+93.7, 22.0' LT	10		
198+99.3, 9.3' LT	10		
304+41.2, 35.4' RT		18	
304+80.3, 35.2' RT	13		
305+13.8, 33.2' RT	13		
305+43.9, 27.3' RT	14		
TOTALS	372	42	1.6

TEMPORARY DITCH CHECK

LOCATION	EACH
457+50, LT	1
458+00, RT	1
460+00, LT	1
460+50, RT	1
461+95, LT	1
463+00, RT	1
465+00, LT	1
471+00, RT	1
472+10, LT	1
472+50, RT	1
473+50, LT	1
474+20, RT	1
476+50, RT	1
477+25, LT	1
477+60, RT	1
479+05, LT	1
479+25, RT	1
480+25, LT	1
483+15, RT	1
483+70, LT	1
483+95, RT	1
484+30, LT	1
487+00, RT	1
487+50, LT	1
488+05, RT	1
488+40, LT	1
490+00, LT & RT	2
492+00, LT & RT	2
494+00, LT & RT	2
497+50, LT	1
497+90, RT	1
499+40, RT	1
499+44, LT	1
508+00, LT	1
509+00, RT	1
510+00, LT	1
514+50, LT & RT	2
520+00, LT & RT	2
525+00, RT	1
533+00, LT & RT	2
538+65, RT	1
183+50, RT	1
184+70, LT	1
186+00, RT	1
191+50, LT & RT	2
193+00, LT & RT	2
194+00, LT & RT	2
195+00, LT & RT	2
196+00, RT	1
197+00, LT & RT	2
198+50, LT & RT	2
246+00, RT	1
253+30, LT	1
303+00, LT	1
304+45, RT	1
304+75, RT	1
306+00, LT	1
309+00, LT	1
311+00, RT	1
100+50, CL	1
101+50, CL	1
102+35, CL	1
11+50, RT	1
12+00, LT	1
13+00, RT	1
13+50, LT	1
16+50, RT	1
17+00, LT	1
18+85, LT & RT	2
TOTAL	83

BITUMINOUS MATERIALS (PRIME COAT)

0.10 GAL/SY ON EXIST. PAVE.
0.375 GAL/SY ON AGG. BASE
0.02 GAL/SY FULL DEPTH LIFTS

LOCATION	GALLON
BUCKHART RD 4+30 TO 18+85 (EXISTING PAVEMENT)	385
BIKE PATH 499+25, LT (AGG.)	32
CARDINAL HILL RD 1st LIFT	528
CARDINAL HILL RD 2nd LIFT	528
CARDINAL HILL RD 3rd LIFT	528
OAK HILL RD 1st LIFT	111
OAK HILL RD 2nd LIFT	111
OAK HILL RD 3rd LIFT	111
WALNUT ST 1st LIFT	58
WALNUT ST 2nd LIFT	58
WALNUT ST 3rd LIFT	58
TOTAL	2508

PAVEMENT REMOVAL

LOCATION	SQ YD
CARDINAL HILL RD (EXISTING)	7188
BIKE PATH	161
504+68 TO 504+69.3	7
MAPLE STREET	195
TOTAL	7551

DRIVEWAY PAVEMENT REMOVAL

LOCATION	SQ YD
CE 504+00.0, LT	225
PE 188+63.5, LT	36
PE 302+93.4, RT	30
PE 303+66.6, RT	32
PE 4+94.4, LT	53
CE 6+68.0, RT	139
PE 8+60.6, LT	68
CE 8+84.5, RT	236
TOTAL	819

P.C.C. DRIVEWAY PAVEMENT, 6"

LOCATION	SQ YD
ENTRANCE @ 302+93.40, RT	31
ENTRANCE @ 303+66.60, RT	32
ENTRANCE @ 4+94.40, LT	16
TOTAL	79

STONE RIPRAP, CLASS A3

LOCATION	RIPRAP TONS (1.50 T/CY)	FILTER FABRIC SQ YD (INCL. W/RIPRAP)
455+50 TO 456+05, LT	43	64
461+95 TO 463+05, LT	82	123
CULVERT @ 468+05.77, LT	25	38
CULVERT @ 468+05.77, RT	660	991
468+95 TO 471+00, LT	154	230
479+25 TO 482+35, RT	228	343
480+25 TO 481+38, LT	85	127
481+92 TO 483+05, LT	85	128
484+50 TO 487+50, LT	226	339
484+50 TO 487+00, RT	185	277
OUTLET @ 497+30, LT	19	29
OUTLET @ 497+70, RT	19	29
CULVERT @ 512+30, LT	59	88
CULVERT @ 184+80, LT	16	25
CULVERT @ 304+60, RT	23	35
TOTALS	1909	2866

P.C.C. SIDEWALK, 4"

LOCATION	SQ FT
BIKE PATH @ 499+25, RT	134
BIKE PATH @ 499+30, LT	68
ISLAND @ 499+50, LT	191
ISLAND @ 499+50, RT	156
TOTAL	549

DETECTABLE WARNINGS

LOCATION	SQ FT
499+26.8, 63.4' RT	20
499+30.8, 63.9' LT	20
499+49.8, 37.4' LT	20
499+51.3, 40.1' RT	25
499+52.3, 27.6' LT	20
499+52.3, 27.6' RT	20
499+63.5, 36.0' LT	16
TOTAL	141

AGG. BASE COURSE, TY B 6"

LOCATION	SQ YD
BIKE PATH 499+25 ,LT	84
TOTAL	84

BITUMINOUS SURFACE REMOVAL-BUTT JOINT

LOCATION	SQ YD
4+30 TO 4+55	65
18+60 TO 18+85	66
TOTAL	131

TEMPORARY RAMP

LOCATION	SQ YD
BUTT JOINT @ 4+30	27
BUTT JOINT @ 18+85	27
TOTAL	54

P.C.C. DRIVEWAY PAVEMENT, 8"

LOCATION	SQ YD
ENTRANCE @ 524+17.78, LT	407
ENTRANCE @ 6+68.00, RT	129
TOTAL	536

AGG. BASE COURSE, TY A 4"

LOCATION	SQ YD
ENTRANCE @ 524+17.78, LT	407
ENTRANCE @ 6+68.00, RT	129
TOTAL	536

COMBINATION CURB & GUTTER REMOVAL

LOCATION	FOOT
499+65.0 (ALONG SW EDGE RTE 29)	336
CE 504+00.0, LT	98
504+68.0 TO 504+69.3, LT & RT	3
TOTAL	437

EARTHWORK SCHEDULE

LOCATION	① EARTH EXCAVATION	② EARTH EXCAV. ADJUSTED FOR SHRINKAGE (25%)	③ EMBANKMENT	④ EARTHWORK BALANCE WASTE(+) OR SHORTAGE (-)	⑤ TOPSOIL EXCAVATION & PLACEMENT	⑥ TOPSOIL EXCAVATION (WASTE)
CARDINAL HILL ROAD	22280 CY	16710 CY	24785 CY	-8075 CY	13615 CY	905 CY
OAK HILL ROAD	6345 CY	4760 CY	2665 CY	+2095 CY	160 CY	1765 CY
WALNUT STREET	1615 CY	1210 CY	945 CY	+265 CY	575 CY	395 CY
CARDINAL HILL ROAD DEGRADING	4865 CY	3650 CY	0 CY	+3650 CY	1850 CY	-1165 CY
SWALE NORTH OF COMMUNITY DRIVE	70 CY	50 CY	0 CY	+50 CY	0 CY	90 CY
BUCKHART ROAD	685 CY	515 CY	510 CY	+5 CY	510 CY	335 CY
TOTAL	35860 CY	26895 CY	28905 CY	-2010 CY	16710 CY	2325 CY

COLUMN 3 = COLUMN 2 x 0.75
COLUMN 5 = COLUMN 3 - COLUMN 4 [SHORTAGE(-) = FURNISHED EXCAVATION]
COLUMN 6 = TOPSOIL FILL
COLUMN 7 = TOPSOIL CUT - TOPSOIL FILL

NOTE: THE EARTH EXCAVATION QUANTITY REPORTED ON THE SUMMARY OF QUANTITIES IS THE SUM OF COLUMN 2 AND COLUMN 7. (35860 + 2325 = 38185)

THE VOLUME REPORTED FOR FURNISHED EXCAVATION IS AN "IN PLACE" VOLUME. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING AND APPLYING HIS/HER OWN SHRINKAGE FACTOR TO THE FURNISHED EXCAVATION. THE COST OF ADDITIONAL OFF-SITE EXCAVATION REQUIRED TO OFFSET THE SHRINKAGE FACTOR SHALL BE INCLUDED IN THE UNIT PRICE BID FOR FURNISHED EXCAVATION.

SAW CUTS

LOCATION	FOOT
455+50.0, CL	22
BIKE PATH	10
CE 504+00.0, LT	24
CE 504+15.0, LT	47
504+68.0, CL	52
182+00.0, CL	21
PE 188+63.5, LT	21
BIKE PATH @ 499+30, LT	19
PE 303+66.6, RT	18
311+00.0, CL	22
4+30.0, CL	24
PE 4+94.4, LT	16
CE 6+68.0, RT	28
7+06.1, LT (MAPLE ST.)	24
PE 8+60.6, LT	37
CE 8+84.5, RT	50
18+85.0, CL	24
TOTAL	459

AGGREGATE SHOULDER, TYPE A 6"

LOCATION	SQ YD
475+30.0 TO BRIDGE, LT	755
475+30.0 TO BRIDGE, RT	751
BRIDGE TO 497+47.0, LT	1096
BRIDGE TO 497+88.0, RT	1127
CE 506+25.0, LT	171
528+70.3 TO 528+75.4, LT	2
182+00.0 TO 184+02.5, LT	144
186+06.6 TO 197+53.0, LT	990
182+00.0 TO 194+33.0, RT	1036
300+72.4 TO 311+00.0, LT	899
301+31.5 TO 311+00.0, RT	793
12+33.4 TO 18+85.0, LT	567
12+47.6 TO 18+85.0, RT	554
TOTAL	8885

STORM SEWER REMOVAL 18"

LOCATION	FOOT
499+60, 63.5' LT	13
499+60, 7.4' RT	14
499+60, 78.6' RT	15
499+60, 149.5' RT	15
TOTAL	57

MANHOLES TO BE ADJUSTED

LOCATION	EACH
BUCKHART ROAD 7+19.8, 16.6' RT	1
TOTAL	1

AGGREGATE SURFACE COURSE, TYPE B

LOCATION	TON (2.05 TON/CY)
FE 468+22.47, RT	45
FE 475+10.00, RT	14
FE 481+51.21, LT	48
FE 495+62.00, LT	24
FE 495+62.00, RT	24
FE 183+43.70, LT	12
FE 188+63.50, RT	20
FE 195+90.00, LT	37
FE 309+45.40, RT	14
TOTAL	238

STATION RANGES

ROADWAY	RANGE
CARDINAL HILL ROAD	455+50 TO 539+00
OAK HILL ROAD	182+00 TO 200+00
WALNUT STREET	300+00 TO 311+00
CARD HILL RD DEGRADING	235+75 TO 255+00
SWALE N. OF COMM. DR.	100+00 TO 102+35
BUCKHART ROAD	4+30 TO 18+85

SCHEDULE OF QUANTITIES SEC. 03-00167-04-FP CARDINAL HILL ROAD (C.H. 37) SANGAMON COUNTY

SHEET 1 OF 2	
JOB NO.	03S2035B
DATE	6/21/06



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LAYOUT: 3/15/04
 DRAWN: BAR 7/27/04
 CHECKED: LUK 7/21/04
 NO. 03S2035B (C.H. 37) SHEET 1 OF 2
 DATE: 6/21/06