F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	3268F-R-1	COOK	279	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62387

TREE TRUNK PROTECTION

LOCATION			EACH
IL ROUTE 21 STAGE II			
133+74.91	52.26	LT	1
134+63.55	51.61	LT	1
134+68.30	54.46	LT	1
139+06.60	51.71	LT	1
139+52.06	50.97	LT	1
139+74.51	50.04	LT	1
139+95.51	49.37	LT	1
140+17.61	51.81	LT	1
140+41.63	48.37	LT	1
140+62.67	48.27	LT	1
143+16.87	46.95	LT	1
143+46.07	46.21	LT	1
143+77.22	46.35	LT	1
144+05.58	45.87	LT	1
144+34.88	46.81	LT	1
161+14.18	49.85	LT	1
161+98.22	49.77	LT	1
164+17.51	50.93	LT	1
164+67.38	60.93	LT	1
166+53.80	50.83	LT	1
172+90.86	48.00	LT	1
WINKLEMAN ROAD STAGE II			
402+19.53	20.10	LT	1

TREE TRUNK PROTECTION, TOTAL = 22 EACH

EARTHWORK

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION FOR SHRINKAGE, 15%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMOVAL OF UNSUITABLE MATERIALS	POROUS GRANULAR EMBANKMENT, SUBGRADE
IL 21 STAGE I	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
105+50 TO 110+00	554	471	71	400	264	
110+00 TO 115+00	578	491	110	381	274	
115+00 TO 120+00	15	13	2,403	-2,390	449	
120+00 TO 125+00			6,147	-6,147	2,120	1,481
125+00 TO 129+50	3	3	7,013	-7,010	5,779	5,779
132+00 TO 135+00			878	-878	348	
135+00 TO 140+00	364	309	591	-282	1,032	520
140+00 TO 145+00	700	595	101	494	314	
145+00 TO 150+00	550	468	327	141	371	
150+00 TO 155+00	432	367	265	102	261	
155+00 TO 160+00	315	268	92	176	294	
160+00 TO 165+00	334	284	274	10	268	
165+00 TO 170+00	481	409		409	294	
170+00 TO 175+00	233	198	250	-52	449	
175+00 TO 179+00	134	114	263	-149	372	
SUBTOTAL	4,693	3,989	18,785	-14,796	12,889	7,780
IL 21 STAGE II	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
105+50 TO 110+00	615	523	227	296	261	
110+00 TO 115+00	760	646	398	248	339	
115+00 TO 120+00	189	161	1,683	-1,522	285	
120+00 TO 125+00			6,463	-6,463	1,392	907
125+00 TO 129+50			4,021	-4,021	2,278	2,278
132+00 TO 135+00	0	0	448	-448	193	
135+00 TO 140+00	454	386	390	-4	842	520
140+00 TO 145+00	682	580	184	396	466	
145+00 TO 150+00	513	436	341	95	346	
150+00 TO 155+00	384	326	180	146	178	
155+00 TO 160+00	353	300	81	219	532	
160+00 TO 165+00	424	360	230	130	580	
165+00 TO 170+00	760	646	76	570	536	
170+00 TO 175+00	409	348	215	133	375	
175+00 TO 179+00	220	187	273	-86	307	
SUBTOTAL	5,763	4,899	15,210	-10,311	8,910	3,705
WINKELMAN ROAD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
400+32 TO 401+00			105	-105	13	
401+00 TO 402+00			237	-237	52	
402+00 TO 402+75			74	-74	33	
SUBTOTAL	0	0	416	-416	98	
ACCESS ROAD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
10+32 TO 11+00	1	1	69	-68	29	
11+00 TO 12+00	61	52	113	-61	67	
12+00 TO 13+00	135	115	19	96	43	
SUBTOTAL	197	167	201	-34	139	
US ROUTE 45 STAGE I	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
300+00 TO 301+00	119	101	11	90	56	
301+00 TO 302+00	137	116	37	79	102	
302+00 TO 303+00	43	37	528	-491	217	
303+00 TO 304+00			1,552	-1,552	389	
304+00 TO 305+00			2,365	-2,365	511	
SUBTOTAL	299	254	4,493	-4,239	1,275	
US ROUTE 45 STAGE II	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
300+00 TO 301+00	35	30	52	-22	37	
301+00 TO 302+00	15	13	128	-115	15	
302+00 TO 303+00			96	-96	0	
303+00 TO 304+00						
304+00 TO 305+00						
SUBTOTAL	50	43	276	-234	52	

EARTHWORK SUMMARY

ROADWAY	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE, 15%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH AND PLACE, 4"	REMOVAL OF UNSUITABLE MATERIALS	POROUS GRANULAR EMBANKMENT, SUBGRADE
	CU YD	CU YD	CU YD	CU YD	SQ YD	CU. YD	CU. YD.
IL ROUTE 21	10,456	8,888	33,995	-25,107	22,499	21,799	11,485
US ROUTE 45	349	297	4,769	-4,472	3,255	1,327	
WINKELMAN ROAD	0	0	416	-416	304	98	
ACCESS ROAD	197	167	201	-34	880	139	
TOTAL	11,002	9,352	39,381	-30,029	26,938	23,363	11,485

EARTH EXCAVATION	11,005	CU YD
FURNISHED EXCAVATION	30,030	CU YD
REMOVAL OF UNSUITABLE MATERIALS	23,365	CU YD
POROUS GRANULAR EMBANKMENT, SUBGRADE	11,485	CU YD

REMOVAL OF UNSUITABLE MATERIALS AND POROUS GRANULAR EMBANKMENT SUBGRADE ARE ESTIMATES ONLY.

LANDSCAPING QUANTITIES

LOCATION				TOPSOIL FURNISH AND PLACE 4" AREA (SQ. YD.)	TOPSOIL FURNISH AND PLACE 12" AREA (SQ. YD.)	SODDING, SALT TOLERANT AREA (SQ. YD.)	SEEDING, CLASS 2A AREA (ACRE)	SEEDING, CLASS 4 AREA (ACRE)
IL ROUTE 21								
102+45.22	TO	103+06.41	MEDIAN	436			0.09	
105+50.00	TO	109+00.00	LT	558			0.12	
105+50.00	TO	109+00.00	RT	267		267		
106+72.00	DRIVE		RT		12	12		
109+00.00	TO	122+00.00	LT	1,356			0.28	
109+00.00	TO	117+00.00	RT	967			0.20	
109+68.00	DRIVE		RT		9	9		
119+00.00	TO	122+00.00	RT	811			0.17	
109+30.94	TO	116+97.08	MEDIAN	871			0.18	
122+00.00	TO	129+50.00	LT	3,063			0.16	0.47
122+00.00	TO	129+50.00	RT	3,772			0.19	0.58
131+85.07	TO	132+09.27	RT					0.02
132+00.00	TO	135+00.00	LT	611		611		
132+18.69	TO	135+00.00	RT	832			0.17	
135+00.00	TO	148+00.00	LT	1,500		930	0.12	
135+00.00	TO	148+00.00	RT	1,694		373	0.27	
137+05.00	DRIVE		LT		6	6		
148+00.00	TO	161+00.00	LT	1,682		84	0.33	
148+00.00	TO	161+00.00	RT	1,961		314	0.34	
151+59.00	DRIVE		LT		37	37		
161+00.00	TO	174+00.00	LT	1,365		1,365		
161+00.00	TO	174+00.00	RT	1,083		1,083		
161+74.00	DRIVE		RT		17	17		
165+43.00	DRIVE		LT		9	9		
169+48.00	DRIVE		LT		41	41		
171+57.00	DRIVE		RT		10	10		
174+00.00	TO	179+00.00	LT	410		410		
174+00.00	TO	179+00.00	RT	455		455		
US ROUTE 45								
300+00.00	TO	305+00.00		3,255		586	0.40	0.09
303+56.06	TO	305+59.21	MEDIAN	484			0.10	
WINKELMAN ROAD								
400+32.00	TO	402+75.00		304				0.06
ACCESS ROAD								
10+32.00	TO	13+00.00		880		88	0.16	
			TOTAL	28,617	141	6,706	3.50	1.25

SEEDING, TOTAL= 4.75 ACRE

21101615 TOPSOIL FURNISH AND PLACE, 4"	28,617	SQ YD
21101645 TOPSOIL FURNISH AND PLACE, 12"	141	SQ YD
21101805 COMPOST FURNISH AND PLACE, 2"	6,050	SQ YD
21101825 COMPOST FURNISH AND PLACE, 6"	2,002	SQ YD
25000400 NITROGEN FERTILIZER NUTRIENT	428	POUND
25000500 PHOSPHORUS FERTILIZER NUTRIENT	428	POUND
25000600 POTASSIUM FERTILIZER NUTRIENT	428	POUND
25100115 MULCH, METHOD 2	4.75	ACRE
25200200 SUPPLEMENTAL WATERING	101	UNITS
28000250 TEMPORARY EROSION CONTROL SEEDING	3,068	POUND

FERTILIZER IS APPLIED AT RATE OF 90LB/ACRE SEEDING
TEMPORARY EROSION CONTROL SEEDING IS APPLIED AT RATE OF 100 LB/ACRE 5 APPLICATIONS
SUPPLEMENTAL WATERING APPLIED AT 3 GAL/SQ YD. 1 UNIT=1000 GAL AND 5 APPLICATIONS ASSUMED
COMPOST FURNISH AND PLACE, 2" PLACED UNDER SEEDING CLASS 4
COMPOST FURNISH AND PLACE, 6" PLACED UNDER SEEDING CLASS 2 BETWEEN US 45 AND ACCESS ROAD

EROSION CONTROL BLANKET

LOCATION				AREA (SQ YD)
118+91	TO	129+00	RT	3,568.2
119+15	TO	129+00	LT	3,200.8
145+00	TO	149+00	LT	155.6
154+00	TO	156+00	LT	120.0
156+20	TO	157+30	RT	128.3

EROSION CONTROL BLANKET, TOTAL= 7,173 SQ YD

STORM WATER POLLUTION PREVENTION

LOCATION				TEMPORARY DITCH CHECK (EACH)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	PERIMETER EROSION BARRIER (FOOT)
IL ROUTE 21							
STAGE 1							3,806
105+50.00	TO	109+00.00	LT			2	
105+50.00	TO	109+00.00	RT		1	3	
109+00.00	TO	122+00.00	LT			7	
109+00.00	TO	122+00.00	RT			12	
122+00.00	TO	135+00.00	LT			2	
122+00.00	TO	135+00.00	RT		2	6	
135+00.00	TO	148+00.00	LT		5	1	
135+00.00	TO	148+00.00	RT			12	
148+00.00	TO	161+00.00	LT		2	2	
148+00.00	TO	161+00.00	RT			9	
161+00.00	TO	174+00.00	LT		4	3	
161+00.00	TO	174+00.00	RT		2	14	
174+00.00	TO	179+00.00	LT			2	
174+00.00	TO	179+00.00	RT			4	
STAGE 2							3,258
105+50.00	TO	109+00.00	LT			3	
105+50.00	TO	109+00.00	RT				
109+00.00	TO	122+00.00	LT			11	
109+00.00	TO	122+00.00	RT			5	
122+00.00	TO	135+00.00	LT			6	
122+00.00	TO	135+00.00	RT				
135+00.00	TO	148+00.00	LT		1	11	
135+00.00	TO	148+00.00	RT				
148+00.00	TO	161+00.00	LT			9	
148+00.00	TO	161+00.00	RT				
161+00.00	TO	174+00.00	LT			14	
161+00.00	TO	174+00.00	RT				
174+00.00	TO	179+00.00	LT			4	
174+00.00	TO	179+00.00	RT				
EXISTING US ROUTE 45							
STAGE 1							719
20+00.00	TO	27+00.00	LT		4	10	
20+00.00	TO	27+00.00	RT		4	4	
STAGE 2							
20+00.00	TO	27+00.00	LT				
20+00.00	TO	27+00.00	RT			7	
WINKELMAN ROAD							
STAGE 1							
401+00.00	TO	402+75.00		1	1		
STAGE 2							
401+00.00	TO	402+75.00			1	2	75
			TOTAL=	1	27	165	7,858

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION				UNIT
IL ROUTE 21				
111+84.00	TO	116+00.00	LT	23
116+00.00	TO	123+50.00	LT	496
US ROUTE 45				
300+00.00	TO	301+23.13	RT	79

TREE REMOVAL (6 TO 15 UNITS DIAMETER), TOTAL= 598 UNITS

TREE REMOVAL (OVER 15 UNITS DIAMETER)

LOCATION				UNIT
IL ROUTE 21				
111+84.00	TO	116+00.00	LT	0
116+00.00	TO	123+50.00	LT	209
US ROUTE 45				
300+00.00	TO	301+23.13	RT	0

TREE REMOVAL (OVER 15 UNITS DIAMETER), TOTAL= 209 UNITS

REVISIONS	
NAME	DATE

STV Incorporated
engineers/architects/scientists/construction managers
200 W Monroe - Suite 1650
Chicago, Illinois 60606

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - 1

SCALE: NTS
DATE 02/05/08
DRAWN BY RDT
CHECKED BY GC