EARTHWORK SCHEDULES

	END AREAS			TOPSOIL EARTH WORK					SUBGRADE IMPROVEMENT			
LOCATION	TOPSOIL	CUT	FILL	20201200	20200100	20200100			20300100	20201200	Z0042002	21001000
	STRIPPING (TSS)	(C)	(F)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	COMP STORAGE EARTH EXCAVATION	EMBANKMENT	BALANCE WASTE (+) or SHORTAGE (-)	CHANNEL EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT SUBGRADE	GEOTECHNICA FABRIC FOR GROUND STABILIZATION
	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
MAINLINE												
87+95.00	18.4	43.9	0.0									
88+00.00		45.1	0.0	3.3	8.2			7.0				
88+20.00	17.2 18.2	48.2	0.1	3.3 13.1	34.6		0.1	7.0 29.3				
88+50.00	16.5	51.7	0.1	19.3	55.5		0.1	29.3 47.1				
88+95.65	8.4	66.2	0.0	21.1	99.7		0.1	84.7				
89+00.00	8.2	67.0	0.0	1.3	10.7			9.1				
89+36.07		78.4	0.0	1.3 11.8	97.1							
89+50.00	9.5 18.8	73.8	0.0	7.3	39.3			82.6 33.4				
150 1 3777.		73.6 53.5		35.2	117.9			98.8				
90+00.00 90+50.00	19.2	46.9	1.5 6.2	33.2 41.9	British and the second of the		1.4 7.1	The second of th				
90+30.00	26.0 16.4	28.9	6.0	41.9 29.9	93.0 53.5		8.6	71.9 36.9				
						40.0						
91+00.00	27.8	102.0	4.4 18.4	9.7	9.7	19.0	2.3	6.0				
91+50.00	36.8	147.7	A (15 /19/14) 1 1 (1/25 1/36)	59.8	36.7	194.5	21.1	10.1				
91+89.60	37.2	133.0	31.4	54.3	28.1	177.8	36.5	-12.6				
92+00.00	39.4	117.3	29.9	14.8	8.3	39.9	11.8	-4.8				34.4
92+19.10	39.2	62.7	66.5	27.8	14.2	49.5	34.1	-22.0				34.4
BRIDGE	20.0		1									
92+85.10	23.0	17.0	68.9	100								41.1
93+00.00	21.7	14.8	47.6	12.3	8.8		32.2	-24.7				
93+14.60	22.5	16.6	44.9	12.0	8.5		25.0	-17.8				
93+50.00	20.7	7.0	42.4	28.3	15.5		57.2	-44.1				
94+00.00	24.7	15.6	59.4	42.0	20.9		94.3	-76.5				
94+23.63	8.5	23.6	29.5	14.5	17.2		38.9	-24.3				
94+50.00	28.4	17.9	51.6	18.0	20.3		39.6	-22.4				
94+77.00	30.4	19.9	51.0	29.4	18.9		51.3	-35.2				
94+97.00	30.5	22.7	54.5	22.6	15.8		39.1	-25.7				
95+00.00	30.4	23.0	54.6	3.4	2.5		6.1	-3.9				
95+50.00	7.3	45.1	5.9	34.9	63.1		56.0	-2.4				9778477947
95+59.04	8.4	48.0	8.2	2.6	15.6		2.4	10.9				
96+00.00	20.7	70.5	3.5	22.1	89.9		8.9	67.5				
96+50.00	21.5	48.4	4.2	39.1	110.1		7.1	86.4				
97+00.00	19.8	46.9	3.3	38.2	88.2		6.9	68.1				
97+50.00	17.9	34.0	17.6	34.9	74.9		19.4	44.3				
97+60.00	17.5	37.3	13.6	6.6	13.2		5.8	5.4				
3148181-1-1												
CHANNEL EX		100										
1+00.00		18.3	0.0						40 E	767526636		
1+13.00		150.0	0.0						40.5			
1+30.00		209.8	0.0						113.3			
1+47.00 1+60.00		120.9 8.2	0.0 0.0						104.1 31.1			
10/23/3/10		0.2	0.0							500 0	500.0	1500.0
ESTIMATED										500.0	500.0	1500.0
RINKAGE FAC	TOR	15%	TOTAL	711.5 715.0	1,289.7 1,290.0	480.7	613.1 613.0	483.1 484.0	289.0 290.0	500.0 500.0	500.0	1,575.6

1,771.0

EARTHWORK GENERAL NOTES

- ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.
- 2. SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT IS ESTIMATED FOR THE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRACTOR SHALL ESTIMATE HIS OWN SHRINKAGE FACTORS IN DETERMINING HIS EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION.
- 3. RECOMMENDATIONS OUTLINED IN THE ROADWAY GEOTECHNICAL REPORT PREPARED BY TESTING SERVICE CORPORATION, DATED, JANUARY 19, 2011 WERE USED IN PREPARATION OF THE ROADWAY PLANS AND RELATED QUANTITY CALCULATIONS.
- 4. AS OUTLINED IN THE ROADWAY GEOTECHNICAL REPORT, THE TOPSOIL THICKNESS WAS ESTIMATED AT 3-8 INCHES. SIX (6) INCHES WAS ASSUMED ON THIS PROJECT FOR THE PURPOSE OF CALCULATING TOPSOIL STRIPPING QUANTITIES.
- 5. IF UNDERCUTS ARE ENCOUNTERED, UNDERCUTS WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. AFTER TOPSOIL STRIPPING AND VEGATATION CLEARING AND PRIOR TO UNDERCUTTING, THE SUBGRADE WILL BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER IN ACORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE REMEDIAL TREATMENT.
- 6. TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIRMENTS WILL BE PER THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SUBGRADE STABILITY MANUAL. IF PROOF ROLLS ARE REQUIRED BY THE ENGINEER, THE COST SHALL BE CONSIDERED INCLUDED IN THE COST OF EXCAVATION.
- 7. IN ADDITION TO ANY AREAS SHOWN ON THE PLANS, 500 CY OF POROUS GRANUALR EMBANKMENT SUBGRADE HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH POES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRCUTION BY THE SOILS ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL AND ROLL USING FULL LOAD SEMI), IF UNSUITABLE AND/OR UNSTABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
- 8. EARTH EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE FOR REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS.

FURNISHED EXCAVATION

LOCATION	EARTH E	xc. s	HRINKAGE	EMBAN	NKMENT	BALANCE
WEST	706		15%	1975 Jan 201	23	+477.37
EAST	583		15%	4	90	+5.75
TOTAL	1290			6	13	+484.00

- FURNISHED EXCAVATION DETERMINED SEPERATELY ON EAST AND WEST SIDE
- ASSUMED COMP STORAGE MATERIAL TO BE UNSUITABLE FOR FURNISHED EXCAVATION
- ASSUMED 15% SHRINKAGE FACTOR IS APPLIED ON EAST AND WEST SIDE
- ASSUMED THE REMAIMING MATERIAL ON THE EAST AND WEST SIDE WILL BE UNSUITABLE

٨		USER NAME = nparris	DESIGNED	-	KMA	REVISED -	
	WILLS BURKE KELSEY ASSOCIATES LTD.		DRAWN	-	RPD	REVISED -	
VBK	116 West Main Street, Suite 201 St. Charles, Illinois 60174	PLOT SCALE =	CHECKED	-	RPD	REVISED -	
	\	PLOT DATE = 12/16/2011	DATE	-	12/19/11	REVISED -	

STATE	OF	ILLINOIS
DEPARTMENT	OF '	TRANSPORTATION

SCHEDULE OF QUANTITIES						T.R. SECTION		COUNTY	COUNTY TOTAL SE	
						2442	04-08107-00-BR	KANE	80	10
								CONTRACT	NO.63	644
	SCALE:	SHEET NO. 10 OF	80 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				