

Stage 3 - IL RTE 64 EARTHWORK QUANTITIES

ILLINOIS ROUTE 64 CUT					ILLINOIS ROUTE 64 FILL					ILLINOIS ROUTE 64 UNSUITABLES							
CUT (SF)	AVE	LENGTH	TOTAL	TOT (CY)	FILL (SF)	AVE	LENGTH	TOTAL	TOT (CY)	UNSUIT(SF)	AVE	LENGTH	TOTAL	TOT (CY)			
88+50	0.00	1.77	50.00	88.29	3.27	88+50	0.00	2.51	50.00	125.61	4.65	88+50	0.00	0.16	50.00	8.13	0.30
89+00	3.53	3.49	50.00	174.54	6.46	89+00	5.02	6.03	50.00	301.59	11.17	89+00	0.33	0.33	50.00	16.50	0.61
89+50	3.45	2.57	50.00	128.62	4.76	89+50	7.04	6.76	50.00	337.79	12.51	89+50	0.33	0.42	50.00	20.80	0.77
90+00	1.69	0.90	50.00	44.92	1.66	90+00	6.47	7.43	50.00	371.64	13.76	90+00	0.50	0.58	50.00	29.07	1.08
90+50	0.10	0.05	50.00	2.55	0.09	90+50	8.39	10.17	50.00	508.58	18.84	90+50	0.67	0.78	50.00	39.17	1.45
91+00	0.00	0.00	50.00	0.00	0.00	91+00	11.95	9.81	50.00	490.45	18.16	91+00	0.90	0.57	50.00	28.38	1.05
91+50	0.00	14.45	50.00	722.53	26.76	91+50	7.67	7.63	50.00	381.43	14.13	91+50	0.23	4.67	50.00	233.45	8.65
92+00	28.90	27.65	50.00	1382.51	51.20	92+00	7.59	7.42	50.00	371.15	13.75	92+00	9.10	9.76	50.00	487.76	18.07
92+50	26.40	15.69	50.00	784.43	29.05	92+50	7.26	7.25	50.00	362.52	13.43	92+50	10.41	7.76	50.00	388.22	14.38
93+00	4.98	4.28	50.00	214.03	7.93	93+00	7.24	7.76	50.00	388.02	14.37	93+00	5.12	3.38	50.00	168.98	6.26
93+50	3.58	3.59	50.00	179.37	6.64	93+50	8.28	8.20	50.00	409.87	15.18	93+50	1.64	1.40	50.00	70.11	2.60
94+00	3.59	3.59	50.00	179.68	6.65	94+00	8.12	9.16	50.00	458.03	16.96	94+00	1.17	1.61	50.00	80.56	2.98
94+50	3.60	3.59	50.00	179.69	6.66	94+50	10.20	11.01	50.00	550.37	20.38	94+50	2.05	2.40	50.00	120.12	4.45
95+00	3.59	3.59	50.00	179.65	6.65	95+00	11.81	12.12	50.00	605.90	22.44	95+00	2.75	2.87	50.00	143.28	5.31
95+50	3.59	3.59	50.00	179.63	6.65	95+50	12.42	13.35	50.00	667.73	24.73	95+50	2.98	3.38	50.00	169.24	6.27
96+00	3.59	3.59	50.00	179.71	6.66	96+00	14.28	15.18	50.00	759.18	28.12	96+00	3.79	4.20	50.00	210.18	7.78
96+50	3.60	3.62	50.00	180.94	6.70	96+50	16.08	17.25	50.00	862.41	31.94	96+50	4.62	5.08	50.00	254.07	9.41
97+00	3.64	1.82	50.00	91.01	3.37	97+00	18.41	9.21	50.00	460.33	17.05	97+00	5.55	2.77	50.00	138.63	5.13
97+50	0.00	0.00	4.00	0.00	0.00	97+50	0.00	0.00	4.00	0.00	0.00	97+50	0.00	0.00	4.00	0.00	0.00
97+54	0.00	0.00	46.00	---	---	97+54	0.00	0.00	46.00	---	---	97+54	0.00	0.00	46.00	---	---
98+00	0.00	0.00	50.00	0.00	0.00	98+00	0.00	0.00	50.00	0.00	0.00	98+00	0.00	0.00	50.00	0.00	0.00
98+50	0.00	0.00	50.00	0.00	0.00	98+50	0.00	0.00	50.00	0.00	0.00	98+50	0.00	0.00	50.00	0.00	0.00
99+00	0.00	0.00	50.00	0.00	0.00	99+00	0.00	0.00	50.00	0.00	0.00	99+00	0.00	0.00	50.00	0.00	0.00
99+50	0.00	0.00	50.00	0.00	0.00	99+50	0.00	0.00	50.00	0.00	0.00	99+50	0.00	0.00	50.00	0.00	0.00
100+00	0.00	1.79	50.00	89.69	3.32	100+00	0.00	2.85	50.00	142.54	5.28	100+00	0.00	1.04	50.00	51.76	1.92
100+50	3.59	3.64	50.00	181.89	6.74	100+50	5.70	4.66	50.00	233.21	8.64	100+50	2.07	1.93	50.00	96.60	3.58
101+00	3.69	3.77	50.00	188.59	6.98	101+00	3.63	3.11	50.00	155.38	5.75	101+00	1.79	2.11	50.00	105.69	3.91
101+50	3.86	1.93	50.00	96.38	3.57	101+50	2.59	1.29	50.00	64.71	2.40	101+50	2.43	1.22	50.00	60.85	2.25
102+00	0.00	0.00	50.00	0.00	0.00	102+00	0.00	0.00	50.00	0.00	0.00	102+00	0.00	0.00	50.00	0.00	0.00
102+50	0.00	0.00	50.00	0.00	0.00	102+50	0.00	0.00	50.00	0.00	0.00	102+50	0.00	0.00	50.00	0.00	0.00
103+00	0.00	0.00	50.00	0.00	0.00	103+00	0.00	0.00	50.00	0.00	0.00	103+00	0.00	0.00	50.00	0.00	0.00
103+50	0.00	0.00	50.00	0.00	0.00	103+50	0.00	0.00	50.00	0.00	0.00	103+50	0.00	0.00	50.00	0.00	0.00
ABUT.	0.00	---	---	---	0.00	ABUT.	0.00	---	---	---	0.00	ABUT.	0.00	---	---	---	0.00
BRIDGE	0.00	---	---	---	0.00	BRIDGE	0.00	---	---	---	0.00	BRIDGE	0.00	---	---	---	0.00
TOTAL					202	TOTAL					334	TOTAL					108

PROPOSED PAVEMENT								
LOCATION STATION-STATION	AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ. YD.)	PORTLAND CEMENT CONCRETE PAVEMENT, JOINTED 9" (SQ. YD.)	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) (SQ. YD.)	AGGREGATE SHOULDERS, TYPE B, 8" (SQ. YD.)	AGGREGATE BASE COURSE, TYPE B 6" (SQ YD)	HMA SURFACE COURSE MIX "D", N50 (TONS)	AGGREGATE (PRIME COAT) (TON)	BITUMINOUS MATERIAL (PRIME COAT) (GAL)
IL. ROUTE 64								
89+00.00 - 92+00.00					289	48	1.5	44
92+00.00 - 97+64.86	5418	4862	129	181	588	99	1.5	88
99+59.20 - 103+18.00	2957	2753	275					
THATCHER AVE								
6+25.00 - 8+00.00	822	663						
8+00.00 - 9+75.00	845	618						
TOTAL	10042	8896	404	181	877	147	3	132

*BRIDGE OMISSION - 97+64.86 TO 99+59.20

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS			
LOCATION STA. - STA.	OFFSET	No. OF STICKS	QUANTITY (FOOT)
IL ROUTE 64			
96+20.19 - 97+20.19	LT	8	100.0
92+41.64 - 96+91.64	RT	36	450.0
THATCHER AVE			
6+23.71 - 6+48.71	LT	2	25.0
9+35.38 - 9+97.88	LT	5	62.5
TOTAL			637.5

COMBINATION CONCRETE CURB & GUTTER			
LOCATION STA. - STA.	OFFSET	TYPE	
		B-6.12 (FT)	B-6.24 (FT)
IL ROUTE 64			
89+76.00 - 92+00.00	LT		224
87+64.00 - 92+00.00	RT		436
92+00.00 - 97+34.91	LT		535
92+00.00 - 97+34.91	RT		535
100+31.84 - 103+18.00	LT	325	
100+21.79 - 103+18.00	RT	346	
THATCHER AVE			
6+25.00 - 6+94.97	LT	70	
6+25.00 - 7+44.94	RT	123	
8+48.14 - 9+75.00	LT	127	
8+57.66 - 9+75.00	RT	120	
TOTAL		1111	1730

*ALL TRANSITIONS TO BE PAID FOR AS B-6.12 C&G

HEAVY DUTY HANDHOLE		
STATION	OFFSET	QUANTITY (EACH)
IL ROUTE 64		
100+54.58	0.12 RT	1
THATCHER AVE		
7+30.28	0.18 LT	1
8+80.71	0.52 LT	1
MWRD		1
TOTAL		4

HANDHOLE		
STATION	OFFSET	QUANTITY (EACH)
IL ROUTE 64		
92+00.00	44.86 LT	1
97+05.20	47.13 LT	1
97+02.20	60.31 RT	1
99+57.78	79.49 RT	1
100+34.29	68.70 LT	1
102+96.65	40.55 LT	1
THATCHER AVE		
6+34.81	35.62 RT	1
9+84.35	29.23 LT	1
TOTAL		8

PCC SIDEWALK 5 IN		
LOCATION STA. - STA.	OFFSET	QUANTITY (SQ. FT)
IL. ROUTE 64		
92+00.00 - 97+64.86	---	0
99+59.20 - 103+18.00	RT	1247
99+59.20 - 103+18.00	LT	2709
THATCHER AVE		
6+25.00 - 8+00.00	RT	877
8+00.00 - 9+75.00	RT	579
TOTAL		5412

DOUBLE HANDHOLE		
STATION	OFFSET	QUANTITY (EACH)
IL ROUTE 64		
99+70.49	72.88 LT	1
100+27.25	75.03 RT	1
TOTAL		2

EARTHWORK QUANTITIES SUMMARY TABLE															
LOCATION	EARTH EX. (CU YD)			ADJ. EARTH EX. (15% SHRINKAGE FACTOR)			EMBANKMENT (CU YD)			BALANCE WASTE (+) OR SHORTAGE (-)			UNSUITABLE (CU YD)		
	STAGE I	STAGE II	STAGE III	STAGE I	STAGE II	STAGE III	STAGE I	STAGE II	STAGE III	STAGE I	STAGE II	STAGE III	STAGE I	STAGE II	STAGE III
PROJECT	2184	2596	202	1856	2207	172	1191	1627	334	-666	-579	162	277	167	108

	STAGE I	STAGE II	STAGE III	TOTAL
EARTH EXCAVATION	2184	2596	202	4982
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	277	167	108	552
FURNISHED EXCAVATION	666	579	0	1245

FILE NAME = \$FILES\$



USER NAME = \$USER\$	DESIGNED - MTC	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MTC	REVISED -
PLOT DATE = \$DATE\$	CHECKED - JIP	REVISED -
	DATE - 12/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 64 (NORTH AVE) OVER THE DES PLAINES RIVER		
SCHEDULE OF QUANTITIES		
SCALE: NONE	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	541Y-3-B	COOK	143	17
CONTRACT NO. 60J11				
ILLINOIS FED. AID PROJECT				