

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE: 0011

CODED PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	429
21101815	TOPSOIL, FURNISH AND PLACE, 4"	SQ YD	525
25000210	SEEDING, CLASS 2A	ACRE	0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10
25100630	EROSION CONTROL BLANKET	SQ YD	525
28000305	TEMPORARY DITCH CHECKS	FOOT	77
28000400	PERIMETER EROSION BARRIER	FOOT	360
28100107	STONE RIPRAP, CLASS A4	SQ YD	300
28200200	FILTER FABRIC	SQ YD	300
31101810	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	702
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	416
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	145
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	73
44000100	PAVEMENT REMOVAL	SQ YD	648
48101500	AGGREGATE SHOULDER, TYPE B 6"	SQ YD	582
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	153
50300225	CONCRETE STRUCTURES	CU YD	36.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	92.7
50300280	BRIDGE DECK GROOVING	SQ YD	272
50300280	CONCRETE ENCASEMENT	CU YD	4.2
50300300	PROTECTIVE COAT	SQ YD	288
50500105	F&E STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	1,260
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24,740
50901050	STEEL RAILING, TYPE SM	FOOT	141
51201610	FURNISHING STEEL PILES HP12X63	FOOT	405
51202305	DRIVING PILES	FOOT	405
51203610	TEST PILE HP12X63	EACH	2
51204650	PILES SHOES	EACH	10
51500100	NAME PLATES	EACH	1
52100520	ANCHOR BOLTS, 1"	EACH	24
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6' POSTS	FOOT	50
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	356
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	16
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	10
73000100	WOOD SIGN SUPPORT	FOOT	42
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1260
78200410	GUARDRAIL MARKERS, TYPE A	EACH	4
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X8670105	PERMANENT SURVEY MARKERS (SPECIAL)	EACH	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X0006821	CONCRETE TRUCK WASHOUT	L SUM	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

△ SPECIALTY ITEMS

SCHEDULE OF QUANTITIES

STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YD.)	SUB-BASE GRANULAR MATERIAL, TYPE B 12"			HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50			HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50			BITUMINOUS MATERIAL (PRIME COAT)				
					THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)	SUB-BASE RATE	GAL	HMA BINDER RATE	GAL	
305+20.00	26.0							4	112	73.2		2	112	36.6	0.5	176.9	0.1	32.7
306+42.50	26.0	26.0	122.5	353.9														
307+14.50	26.0							4	112	72.0		2	112	36.0	0.5	174.1	0.1	32.1
308+35.00	26.0	26.0	120.5	348.1														
TOTAL				702.0						145.2				72.6	SUB	351.0	SUB	64.8
TOTAL														416.8				

AGGREGATE SHOULDERS, TYPE B 6"					
STA.	OFFSET	WIDTH (FT.)	AVG WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YDS)
305+20.00	LT	10.00			
306+42.50	LT	10.00	10.00	122.50	136.1
307+14.50	LT	10.00			
308+35.00	LT	10.00	10.00	120.50	133.9
308+65.00	LT	3.00	6.50	30.00	21.7
304+97.00	RT	6.00			
305+20.00	RT	10.00	8.00	23.00	20.4
306+42.50	RT	10.00	10.00	122.50	136.1
307+14.50	RT	10.00			
308+35.00	RT	10.00	10.00	120.50	133.9
TOTAL					582.1

PAVEMENT REMOVAL				
STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
305+20.00	24.0			
		24.0	122.5	326.7
306+42.50	24.0			
307+14.50	24.0			
		24.0	120.5	321.3
308+35.00	24.0			
TOTAL				648.0

SIGN SCHEDULE						
STA.	OFFSET	DIRECTION	RELOCATE SIGN PANEL (SQ. FT.)	SIGN PANEL TYPE 1 (SQ. FT.)	DESCRIPTION	WOOD SIGN SUPPORT (FT.)
305+35	24' RT.	E.B.	5.00		RELOCATE LITTERING SIGN	13
307+62	24' RT.	E.B.		6.25	W1-4	14
308+19	24' LT.	W.B.	5.00		RELOCATE LITTERING SIGN	15
		W.B.		5.00	R2-1	
		E.B.		4.54	W-14-3	
TOTALS			10.0	15.8		42

PAVEMENT MARKING SCHEDULE						
LOCATION			PAINT PAVEMENT MARKING - LINE 4"	GUARDRAIL MARKERS TYPE A	TERMINAL MARKER DIRECT APPLIED	NOTE
BEGIN STATION	END STATION	OFFSET	FOOT	EACH	EACH	
305+20.00	308+35.00	LT & RT	630			WHITE SOLID
305+20.00	308+35.00	CENTERLINE	630			DOUBLE YELLOW / SOLID
306+40.00		LT		1		
307+42.00		LT		1		
306+15.00		RT		1		
307+17.00		RT		1		
305+24.50		RT			1	
305+49.50		LT			1	
308+07.50		RT			1	
308+32.50		LT			1	
TOTAL			1260	4	4	

EARTHWORK QUANTITIES							
FILL ADJUSTMENT (SHRINKAGE) FACTOR USED: 0.25							
Furnished Exc. = Embankment - (Suitable Exc. * (1 - Shrinkage Factor))							
STATION	END AREAS		DISTANCE	VOLUME			
	CUT S.F.	FILL S.F.	FT.	EARTH EXCAVATION (Suitable Exc.) CU. FT.	EMBANKMENT (Fill) CU. FT.	FURNISHED EXCAVATION CU. FT.	
305+20.00	13.1	0.0					
305+60.00	30.4	0.3	30.00	663.1	4.4	-485.5	
306+00.00	30.2	1.7	50.00	1516.3	50.5	-1066.7	
306+42.50	27.2	15.3	42.50	1221.0	361.7	-554.1	
306+45.00	221.6	0.0	2.50	311.1	19.1	-214.2	
306+59.50	18.7	0.0	14.50	1742.4	0.0	-1306.8	
BRIDGE							
307+01.50	48.9	0.0					
307+12.00	220.6	0.0	10.50	1414.9	0.0	-1061.2	
307+14.50	38.3	10.5	2.50	323.7	13.1	-229.7	
307+50.00	40.2	0.0	35.50	1392.8	185.5	-859.1	
308+00.00	35.7	5.3	50.00	1697.8	131.3	-1292.1	
308+35.00	28.2	0.0	35.00	1118.1	91.9	-746.7	
ROADWAY				TOTAL CU. FT.	11591.0	857.3	NO FURNISHED EXCAVATION
				TOTAL CU. YD.	429.3	31.8	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES AND SCHEDULE OF QUANTITIES
CUNNINGHAM ROAD BRIDGE REPLACEMENT
ROCKFORD, ILLINOIS

F.A.L. RITE. SECTION 10-00462-00-BR COUNTY WINNEBAGO TOTAL SHEETS 21 SHEET NO. 3
SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 85534

HANSON Professional Services Inc. Copyright Hanson Professional Services Inc. 2008

FILE NAME: I:\18\Jobs\18L\8954\6000\Road\Sheet\CC-003-SUM.dgn
DESIGNED - DPA
DRAWN - JDM
CHECKED - DPA
DATE - 02/03/11