85552

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE: 0011

	CODED PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	13
	20200100	EARTH EXCAVATION	CU YD	630
	20400800	FURNISHED EXCAVATION	CU YD	86
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1165
	25000210	SEEDING, CLASS 2A	ACRE	0.27
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	24
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	24
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	24
	25100630	EROSION CONTROL BLANKET	SQ YD	1329
*	28000305	TEMPORARY DITCH CHECKS	FOOT	100
	28000400	PERIMETER EROSION BARRIER	FOOT	804
	28100107	STONE RIPRAP, CLASS A4	SQ YD	320
	28200200	FILTER FABRIC	SQ YD	320
	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	605
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	358
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	186
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	62
	44000100	PAVEMENT REMOVAL	SQ YD	626
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	716
*	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
	50200100	STRUCTURE EXCAVATION	CU YD	253
	50300225	CONCRETE STRUCTURES	CU YD	40.6
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	88.6
	50300260	BRIDGE DECK GROOVING	SQ YD	243
	50300280	CONCRETE ENCASEMENT	CU YD	3.5
	50300300	PROTECTIVE COAT	SQ YD	260
	50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT	357.5
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	21,820
Δ	50901050	STEEL RAILING, TYPE SM	FOOT	146
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	352
	51202305	DRIVING PILES	FOOT	352
	51203600	TEST PILE STEEL HP12X53	EACH	2
	51204650	PILES SHOES	EACH	8
	51500100	NAME PLATES	EACH	1
Δ	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	225
Δ	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
Δ*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
	63200310	GUARDRAIL REMOVAL	FOOT	443
	67100100	MOBILIZATION	L SUM	1
Δ	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1200
Δ	78200410	GUARDRAIL MARKERS, TYPE A	EACH	10
Δ	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
*	X6670105	PERMANENT SURVEY MARKERS (SPECIAL)	EACH	1
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* - SEE SPECIAL PROVISIONS OR DETAILS

Δ - SPECIALTY ITEMS

SCHEDULE OF QUANTITIES

SUB-BASE GRANULAR MATERIAL, TYPE B 12"					BITUMINOUS MATERIAL (PRIME COAT)			
					SUB-BASE		HMA BINDER	
STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YD.)	RATE (GAL / SQ. YD.)	GAL	RATE (GAL / SQ. YD.)	GAL
53+50.00	24.0							
		24.0	143.5	382.7	0.5	191.3	0.1	35.1
54+93.50	24.0							
55+66.50	24.0							
		24.0	83.5	222.7	0.5	111.3	0.1	20.4
56+50.00	24.0							
					SUB	302.7	SUB	55.5
			TOTAL	605.3			TOTAL	358.2

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50						HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50				
STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)	WIDTH (FT.)	AVG. WIDTH (FT.)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)
53+50.00	22.0					22.0				
		22.0	6	112	117.9		22.0	2	112	39.3
54+93.50	22.0					22.0				
55+66.50	22.0					22.0				
		22.0	6	112	68.6		22.0	2	112	22.9
56+50.00	22.0					22.0				
				TOTAL	186.4				TOTAL	62.1

AGGREGATE SHOULDERS, TYPE B 6"					
STA.	OFFSET	WIDTH (FT.)	AVG WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YDS)
53+50.00	LT	5.00			
53+66.50	LT	5.00	5.00	16.50	9.2
53+90.50	LT	9.00	7.00	24.00	18.7
54+83.50	LT	9.00	9.00	93.00	93.0
54+93.50	LT	7.00	8.00	10.00	8.9
55+66.50	LT	7.00			
55+76.50	LT	9.00	8.00	10.00	8.9
57+82.00	LT	9.00	9.00	205.50	205.5
58+06.00	LT	5.00	7.00	24.00	18.7
52+54.00	RT	5.00			
52+78.00	RT	9.00	7.00	24.00	18.7
54+83.50	RT	9.00	9.00	205.50	205.5
54+93.50	RT	7.00	8.00	10.00	8.9
55+66.50	RT	7.00			
55+76.50	RT	9.00	8.00	10.00	8.9
56+69.50	RT	9.00	9.00	93.00	93.0
56+93.50	RT	5.00	7.00	24.00	18.7
				TOTAL	716.4

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	
53+50.00	56+50.00	LT & RT	600			WHITE SOLID
53+50.00	56+50.00	CENTERLINE	600			DOUBLE YELLOW / SOLID
53+32.00		RT		1		
54+12.00		RT		1		
54+92.00		RT		1		
55+68.00		RT		1		
56+38.00		RT		1		
54+22.00		LT		1		
54+92.00		LT		1		
55+68.00		LT		1		
56+48.00		LT		1		
57+28.00		LT		1		
52+87.75		RT			1	
54+00.25		LT			1	
56+59.75		RT			1	
57+72.25		LT			1	
		TOTAL	1200	10	4	

PAVEMENT REMOVAL				
STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
53+50.00	22.0			
		22.0	167.0	408.2
55+17.00	22.0			
55+61.00	22.0			
		22.0	89.0	217.6
56+50.00	22.0			
			TOTAL	625.8

EARTHWORK QUANTIES						
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.
52+54.00	2.9	0.0				
52+78.00	2.4	7.0	24.00	63.6	83.4	35.7
53+00.00	2.2	11.2	22.00	50.6	199.7	161.7
53+50.00	22.1	17.6	50.00	607.5	718.8	263.1
53+66.50	24.2	11.0	16.50	381.6	235.5	-50.6
53+90.50	20.6	41.1	24.00	536.4	625.2	222.9
54+50.00	19.2	69.3	59.50	1182.6	3284.4	2397.5
54+93.50	23.6	31.4	43.50	929.8	2189.1	1491.8
54+96.00	278.6	0.0	2.50			
55+13.00	544.1	0.0	17.00	6992.5	0.0	-5244.4
55+17.00	429.8	0.3	4.00	1947.7	0.6	-1460.2
BRIDGE						
55+50.40	144.9	0.0				
55+59.00	0.0	46.6	8.60	623.1	200.2	-267.1
55+61.00	185.0	51.1	2.00			
55+64.00	217.3	29.7	3.00	603.3	121.1	-331.4
55+66.50	27.3	136.6	2.50			
56+00.00	29.0	39.6	33.50	942.2	2949.7	2243.0
56+50.00	25.8	25.0	50.00	1370.0	1613.8	586.3
56+69.50	7.3	22.8	19.50	322.2	466.1	224.4
56+93.50	10.6	14.6	24.00	214.2	448.8	288.2
57+00.00	2.1	14.5	6.50	41.3	94.6	63.6
57+50.00	2.0	18.6	50.00	102.5	826.3	749.4
57+82.00	1.8	24.2	32.00	60.8	684.0	638.4
58+06.00	2.0	3.3	24.00	45.0	330.0	296.3
	ROADWAY	TOTAL CU. FT.		17016.8	15071.0	2308.4
		TOTAL CU. YD.		630.3	558.2	85.5

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LAYOUT	JDM	01/31/11
DRAWN	JDM	02/03/11
REVIEWED	DPA	02/03/11

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	PLOT DATE = 12\08\2011	DATE - 12/16/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. OF SHEETS STA. - TO STA. -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0052	03-00324-00-BR	WINNEBAGO	24	3
		CONTRACT NO. 85552		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT