

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**

90% FED.  
 10% STATE  
 TOTAL  
 QUANTITIES

CONSTRUCTION TYPE CODE

CODE NO	ITEM	UNIT	URBAN	0005	0011	0021	0021	0005			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	450	450							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	68	68							
20200100	EARTH EXCAVATION	CU YD	2489	2489							
20400800	FURNISHED EXCAVATION	CU YD	43032	43032							
20700220	POROUS GRANULAR EMBANKMENT	CU YD	12	12							
25000200	SEEDING, CLASS 2	ACRE	6.3	6.3							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	564	564							
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	564	564							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	564	564							
25100105	MULCH, METHOD 1	ACRE	6.3	6.3							
25100630	EROSION CONTROL BLANKET	SQ YD	18717	18717							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1253	1253							
28000305	TEMPORARY DITCH CHECKS	FOOT	286	286							
28000400	PERIMETER EROSION BARRIER	FOOT	2487	2487							
28000500	INLET AND PIPE PROTECTION	EACH	4	4							
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	1060	1060							
28200200	FILTER FABRIC	SQ YD	1060	1060							
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	6358	6358							
35300410	PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"	SQ YD	1187	1187							
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	32.6	24.5				8.1			
40600300	AGGREGATE (PRIME COAT)	TON	90.8	52.3				38.5			
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1259	808				451			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	270					270			
40600990	TEMPORARY RAMP	SQ YD	345	300				45			
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1095	1095							
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	2252	1576				676			
40702001	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 16"	SQ YD	3705	3705							
42001200	PAVEMENT FABRIC	SQ YD	356	356							
42001300	PROTECTIVE COAT	SQ YD	1,061	1,061							
44000100	PAVEMENT REMOVAL	SQ YD	66	66							
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1038	1038							
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	14014	14014							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1175	1175							
X4401980	CONCRETE BARRIER REMOVAL	FOOT	52	52							
44003100	MEDIAN REMOVAL	SQ FT	4935	4935							

Rev. 1-10-11  
 Rev. 1-6-11

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CODE NO	ITEM	UNIT	URBAN	0005	0011	0021	0021	0005
44004250	PAVED SHOULDER REMOVAL	SQ YD	3343	3343				
44200569	CLASS A PATCHES, TYPE III, 11 INCH	SQ YD	25	25				
44200571	CLASS A PATCHES, TYPE IV, 11 INCH	SQ YD	586	586				
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	495	213			282	
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	18	18				
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	387	387				
<del>44213000</del>	<del>PATCHING REINFORCEMENT</del>	<del>SQ YD</del>	<del>611</del>	<del>611</del>				
44213200	SAW CUTS	FOOT	5819	3850			1969	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4028	4028				
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	745	745				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	183	47			136	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3685	3685				
48203100	HOT-MIX ASPHALT SHOULDERS	TON	844	171			673	
50102400	CONCRETE REMOVAL	CU YD	23.2		23.2			
50104650	SLOPE WALL REMOVAL	SQ YD	372.7		372.7			
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1		1			
50157300	PROTECTIVE SHIELD	SQ YD	106		106			
50200100	STRUCTURE EXCAVATION	CU YD	332		332			
50300225	CONCRETE STRUCTURES	CU YD	190.5		190.5			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	225.5		225.5			
50300260	BRIDGE DECK GROOVING	SQ YD	513		513			
50300300	PROTECTIVE COAT	SQ YD	648		648			
XX008423	PRECAST CONCRETE LAGGING	SQ FT	863		863			
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1			
50500505	STUD SHEAR CONNECTORS	EACH	1,790		1,790			
Z0007118	UNTREATED TIMBER LAGGING	SQ FT	1049		1049			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	87,270		87,270			
50800515	BAR SPLICERS	EACH	32		32			
50901730	BRIDGE FENCE RAILING	FOOT	223		223			
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	1068		1068			
Z0026402	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	1,517		1,517			
51202305	DRIVING PILES	FOOT	1,068		1,068			
51203200	TEST PILE METAL SHELLS	EACH	3		3			
51500100	NAME PLATES	EACH	1		1			
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	4		4			
52100520	ANCHOR BOLTS, 1"	EACH	14		14			
52100530	ANCHOR BOLTS, 1 1/4"	EACH	12		12			

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FILE NAME =	USER NAME = burnsideem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwork\pwork\burnsideem\0166363\0176d99-shr-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	64	82-5K-2	ST CLAIR	162	6
		PLOT SCALE = 5/8"=1' IN.	CHECKED -		REVISED -	CONTRACT NO. 76D59									
		PLOT DATE = 8/11/2010	DATE -		REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

CLASS B PAVEMENT PATCHING 10" INCH SCHEDULE										
LOCATION	LANE	LENGTH	LANE WIDTH	CLASS B PATCH TYPE II	CLASS B PATCH TYPE III	CLASS B PATCH TYPE IV	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC	SAWCUT
		(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)		(SQ YD)	(FT)
RAMP A										
0	+	10					20			
		50.0	6.0			33.3	20	25	33.3	124.0
RAMP B										
14	+	30	LT	6.0	12.0	8.0				60.0
14	+	32	RT	150.0	4.0		20	75	66.7	316.0
15	+	30	RT	6.0	12.0	8.0				60.0
16	+	50	RT	6.0	16.0	10.7				76.0
16	+	50	LT	6.0	16.0	10.7				76.0
17	+	50	RT	6.0	17.0	11.3				80.0
17	+	50	LT	6.0	17.0	11.3				80.0
18	+	20	RT	6.0	18.0	12.0				84.0
18	+	20	LT	6.0	18.0	12.0				84.0
19	+	65		25.0	30.0				83.3	170.0
RAMP C										
13	+	30		6.0	16.0	10.7				76.0
13	+	90		6.0	16.0	10.7				76.0
15	+	20		6.0	19.0	12.7				88.0
15	+	50		6.0	21.0	14.0				96.0
16	+	20	RT	6.0	12.0	8.0				60.0
16	+	20	LT	6.0	12.0	8.0				60.0
16	+	75	RT	6.0	12.0	8.0				60.0
16	+	75	LT	6.0	12.0	8.0				60.0
16	+	90	RT	280.0	6.0		186.7	20	140	186.7
17	+	00	RT	6.0	16.0	10.7				76.0
18	+	00	RT	8.0	18.0				16.0	88.0
RAMP D										
1	+	50		6.0	16.0	10.7				76.0
SUBTOTAL:				185.3	16.0	336.7	592.0	227.5	352.7	2486.0
ANTICIPATED FAILURES (15%):				27.8	2.4	50.5	3.0	3.0	3.0	372.9
TOTAL:				213	18	387	595	231	356	2859

GUARDRAIL REMOVAL				
LOCATION			RT/LT	GUARDRAIL REMOVAL (FOOT)
STA	TO	STA		
IL 159				
32+40	TO	33+77.5	RT	137.5
32+74	TO	33+86.55	LT	112.5
36+20.9	TO	37+70.9	LT	150
TOTAL :				400

COMBINATION CURB AND GUTTER REMOVAL				
LOCATION			AREA	REMOVAL (FOOT)
STA	TO	STA		
IL 159				
28+41.15	TO	28+87.54	MEDIAN	103
29+52	TO	33+84.25	MEDIAN	865
38+49.89	TO	39+18.89	MEDIAN	142
RAMP "B"				
19+63	TO	19+77	ISLAND	65
TOTAL:				1175

MEDIAN REMOVAL			
LOCATION			AREA (SQ FT)
STA	TO	STA	
IL 159			
28+41.7	TO	28+87.54	486
29+52	TO	33+84.6	3325
38+50.4	TO	39+18.89	929
RAMP "B"			
19+63	TO	19+77 (ISLAND)	195
TOTAL:			4935

EARTHWORK				
LOCATION	EARTH EXCAVATION (CU YD)	EARTH EX TO BE USED AS EMBANKMENT ADJ FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)
IL 159	256	218	4473	-4256
RAMP B	134	116	1963	-1850
RAMP C	192	163	138	26
RAMP D	2	2	0	2
RAMP F	931	791	37745	-36954
TOTAL:	1515	1290	44319	-43032

SHRINKAGE FACTOR USED = 15%

CLASS A PAVEMENT PATCHING 11" INCH SCHEDULE										
LOCATION	LANE	LENGTH	LANE WIDTH	CLASS A PATCH TYPE III	CLASS A PATCH TYPE IV	PATCHING REINF.	TIE BARS 3/4"	SAWCUT		
		(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(FT)		
IL 159										
28	+	63	MIDDLE	130.0	20.0		288.9	288.9	65	340.0
36	+	15	NB	8.0	36.0		32.0	32.0		160.0
36	+	15	SB	8.0	24.0	21.3		21.3		112.0
38	+	75	MIDDLE	85.0	20.0		188.9	188.9	43	250.0
SUBTOTAL:				21.3	509.8	531.1	107.5	862.0		
ANTICIPATED FAILURES (15%):				3.2	76.5	79.7	3.0	129.3		
TOTAL:				25	586	611	111	991		

REMOVING EXISTING UNDERDRAINS				
LOCATION			RT/LT	FOOT
STA	TO	STA		
IL 159				
23+81.92	TO	1+88 (RAMP D)	RT	593
29+4.5	TO	33+84.25	LT	480
36+20.2	TO	39+85.27	LT	365
RAMP "B"				
14+32.74	TO	18+77.30	RT	418
17+21	TO	19+71.27	LT	250
RAMP "C"				
13+14.61	TO	19+13.23	LT	599
TOTAL :				2705

TREE REMOVAL			
LOCATION		TREE REMOVAL (6 TO 15 UNITS)	TREE REMOVAL (6 TO 15 UNITS)
		(UNITS)	(UNITS)
IL 159			
23+44	TO	30+00	14
36+00	TO	40+00	230
RAMP F			
0+00	TO	24+50	206
TOTAL:		450	68

PAVED SHOULDER REMOVAL				
LOCATION			RT/LT	AREA (SQ YD)
STA	TO	STA		
IL 159				
23+81.92	TO	1+88 (RAMP D)	RT	539
29+4.5	TO	33+84.25	LT	140
36+20.2	TO	39+85.27	LT	404
RAMP B				
14+32.74	TO	18+77.30	RT	270
17+21	TO	19+71.27	LT	139
RAMP C				
13+14.61	TO	19+24.53	LT	290
RAMP F				
11+38	TO	24+50	RT	1469
FAI ROUTE 64				
536+35	TO	536+87	MEDIAN	92
TOTAL :				3343