

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. R. 361	06-00214-08-BR	KANE	50	3
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO.		
		CONTRACT NO. 83978		

SUMMARY OF QUANTITIES						
CODE #	ITEM	UNIT	TOTAL	CONSTRUCTION CODE		
				ROADWAY STA. 587+00 TO STA. 593+00	BRIDGE STR. NO. 045-3165	BRIDGE STR. NO. 045-3167
				1000	X071-2A	X071-2A
20200100	EARTH EXCAVATION	CU YD	1373	1373		
20400800	FURNISHED EXCAVATION	CU YD	1206	1206		
20700300	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	789		419	370
25000210	SEEDING, CLASS 2A	ACRE	0.11	0.11		
25000310	SEEDING, CLASS 4	ACRE	2.23	2.23		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	211	211		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	211	211		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	211	211		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4.68	4.68		
25100115	MULCH, METHOD 2	ACRE	0.11	0.11		
25100630	EROSION CONTROL BLANKET	SQ YD	8257	8257	Rev 12.17.07	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	928	928		
28000400	PERIMETER EROSION BARRIER	FOOT	6785	6785		
28100205	STONE RIPRAP, CLASS A3	TON	162	162		
28100207	STONE RIPRAP, CLASS A4	TON	815		315	500
28200200	FILTER FABRIC	SQ YD	1640	277	555	808
35101400	AGGREGATE BASE COURSE, TYPE B	TON	412	412		
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SQ YD	816	816		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	325	325		
50101600	REMOVAL OF EXISTING SUPERSTRUCTURES	L SUM	1	1		
50105225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	240	240		
50200100	STRUCTURE EXCAVATION	CU YD	442.6		255.0	187.6
50200300	COFFERDAM EXCAVATION	CU YD	155.0			155.0
50200500	COFFERDAMS	EACH	1			1
50300225	CONCRETE STRUCTURES	CU YD	143.0		47.4	95.6
50300255	CONCRETE SUPERSTRUCTURE	CU YD	418.4		190.4	228.0
50300260	BRIDGE DECK GROOVING	SQ YD	1033		471	562
50300265	SEAL COAT CONCRETE	CU YD	58.1			58.1
50300280	CONCRETE ENCASMENT	CU YD	7.7		4.2	3.5
50300300	PROTECTIVE COAT	SQ YD	1388		630	758
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		0.4	0.6
50500505	STUD SHEAR CONNECTORS	EACH	3669		1314	2355
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	100060		42650	57410
50800525	BAR SPLICERS, SPECIAL	EACH	146		86	60

SEE SPECIAL PROVISIONS
* DENOTES SPECIALTY ITEM

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				ROADWAY STA. 587+00 TO STA. 593+00	BRIDGE STR. NO. 045-3165	BRIDGE STR. NO. 045-3167
				1000	X071-2A	X071-2A
50901720	BICYCLE RAILING	FOOT	106		106	
50901750	PARAPET RAILING	FOOT	106		106	
51201610	FURNISHING STEEL PILES HP12X63	FOOT	1090			1090
51201700	FURNISHING STEEL PILES HP12X74	FOOT	460		460	
51202305	DRIVING PILES	FOOT	1550		460	1090
51203610	TEST PILE STEEL HP12X63	EACH	3			3
51203700	TEST PILE STEEL HP12X74	EACH	2		2	
51500100	NAME PLATES	EACH	2		1	1
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	217		122	95
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	5		2	3
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	341		181	160
67100100	MOBILIZATION	L SUM	1		1	
XX004981	DEGRADING ROADWAY	SQ YD	4088	4088		
XX005916	TEMPORARY CONCRETE BARRIER, FURNISH AND INSTALL	FOOT	180	180		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5726	5726		
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	95	95		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1	

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EARTHWORK SCHEDULE						
LOCATION	EARTH EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE AVAILABLE*	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.			CU.YD.	CU.YD.	CU.YD.
MAINLINE						
STA. 587+00 TO STA. 589+49.69	233	15.00%	0.00%	0	455	-455
STA. 590+55.94 TO STA. 593+00	202	15.00%	0.00%	0	751	-751
TEMPORARY ACCESS ROAD	938	15.00%	60.00%	478	465	0
TOTAL	1373			478	1671	-1206

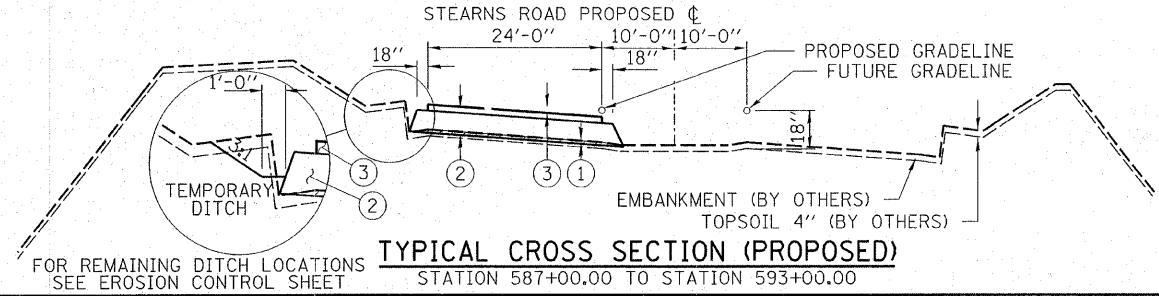
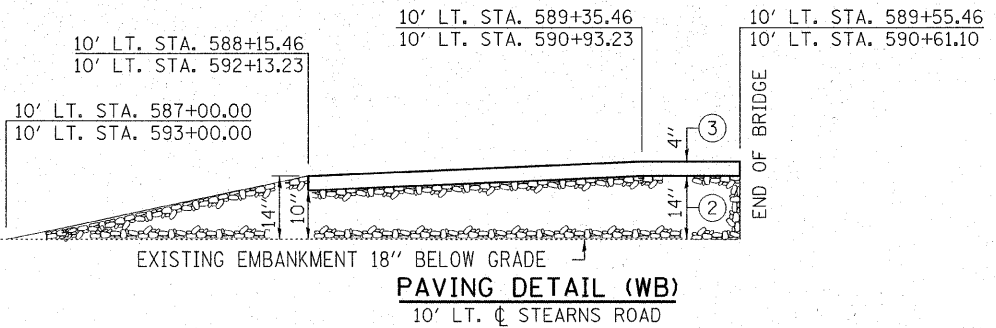
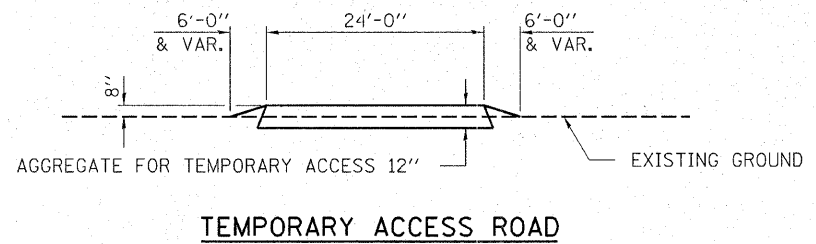
* AVAILABLE EXCAVATION = EARTH EXCAVATION X SHRINKAGE FACTOR X % USED

SEEDING SCHEDULE							
LOCATION	TEMPORARY EROSION CONTROL SEEDING	SEEDING CLASS 2A	SEEDING CLASS 4	NITROGEN FERTILIZER NUTRIENT 90 LBS/ACRE	PHOSPHORUS FERTILIZER NUTRIENT 90 LBS/ACRE	POTASSIUM FERTILIZER NUTRIENT 90 LBS/ACRE	MULCH METHOD 2
	POUND*	ACRES	ACRES	LBS	LBS	LBS	ACRES
STA 587+00 TO STA 589+49.69	26	0.06		6	6	6	0.12
STA 590+55.94 TO STA 593+00	18	0.05		4	4	4	0.1
TEMPORARY ACCESS ROAD	884		2.23	201	201	201	4.46
TOTAL	928	0.11	2.23	211	211	211	4.68

* 100 LBS/ACRE FOR 4 APPLICATIONS

ROADWAY SCHEDULE				
LOCATION	H.M.A. BASE COURSE 4"	AGGREGATE BASE COURSE, TYPE B	BITUMINOUS MATERIAL PRIME COAT	AGGREGATE FOR TEMPORARY ACCESS
	SQ YD	TON	GAL	TON
STA 587+00 TO STA 589+49.69	410	215	163	
STA 590+55.94 TO STA 593+00	406	197	162	
TEMPORARY ACCESS ROAD				5726
TOTAL	816	412	325	5726

EROSION CONTROL		
LOCATION	PERIMETER EROSION BARRIER	EROSION CONTROL BLANKET
	FOOT	SQ YD.
STA 587+00 TO STA 589+49.69	310	315
STA 590+55.94 TO STA 593+00	189	220
TEMPORARY ACCESS ROAD	6286	7722
TOTAL	6785	8257



- LEGEND**
- ① EARTH EXCAVATION
 - ② AGGREGATE BASE COURSE, TYPE B (14" THICKNESS)
 - ③ HOT-MIX ASPHALT BASE COURSE, (4" THICKNESS)

<p>HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS</p> <p>3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400</p> <p>ELGIN • SPRINGFIELD</p>	<p>SUMMARY OF QUANTITIES AND PROPOSED TYPICAL SECTION SECTION 06-00214-08-BR F.A.U. ROUTE 361 / NEW STEARNS ROAD OVER THE NORTH ARM OF BREWSTER CREEK KANE COUNTY</p>	
	<p>PROJECT NUMBER: 12-05-0077-1 DATE: 09/20/07 DESIGNED: L.F.S. CHECKED: L.F.S. DRAWN: W.J.S.</p>	<p>STRUCTURE NO. 045-3167 (E.B.) / STATION 590+50.50 STRUCTURE NO. 045-3165 (W.B.) / STATION 590+18.15</p>