

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 776	(116BR-1, BR-2, BR-3)B-1	HAMILTON	140	3
FED. ROAD DIST. NO.	JULY 2007	FED. AID PROJECT-		

SUMMARY OF QUANTITIES

CODE #	ITEM	UNIT	HBP FUNDING (80% FEDERAL 20% STATE)				
			TOTAL QUANTITY	ROADWAY 1000 2A	SN 0050 X071 2A	SN 033-0051 X020 2A	SN 033-0052 X020 2A
20200100	EARTH EXCAVATION	CU YD	679	679	0	0	0
20300100	CHANNEL EXCAVATION	CU YD	1533	0	974	343	216
20600200	GRANULAR EMBANKMENT, SPECIAL	CU YD	324	324	0	0	0
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	205	0	85	60	60
25000200	SEEDING, CLASS 2	ACRE	1.45	1.45	0	0	0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	145	145	0	0	0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	87	87	0	0	0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	87	87	0	0	0
25100120	MULCH, METHOD 2	TON	5.8	5.8	0	0	0
25100630	EROSION CONTROL BLANKET	SQ YD	1654	1654	0	0	0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	435	435	0	0	0
28000400	PERIMETER EROSION BARRIER	FOOT	2882	2882	0	0	0
28100107	STONE RIPRAP, CLASS A4	SQ YD	2070	0	920	590	560
28200200	FILTER FABRIC	SQ YD	2070	0	920	590	560
35501330	HOT-MIX ASPHALT BASE COURSE, 1 1/2"	SQ YD	1000	1000	0	0	0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	348	348	0	0	0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	540	540	0	0	0
40600300	AGGREGATE (PRIME COAT)	TON	8	8	0	0	0
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	744	744	0	0	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2222	2222	0	0	0
40600990	TEMPORARY RAMP	SQ YD	292	292	0	0	0
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	152	152	0	0	0
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	361	361	0	0	0
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	666	666	0	0	0
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	132	132	0	0	0
44000100	PAVEMENT REMOVAL	SQ YD	1264	1264	0	0	0
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	331	331	0	0	0
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	874	874	0	0	0
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	0	1	0	0
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	0	0	1	0
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	0	0	0	1
50200100	STRUCTURE EXCAVATION	CU YD	769	0	236	342	191
50300100	FLOOR DRAINS	EACH	38	0	14	12	12
50300225	CONCRETE STRUCTURES	CU YD	377.9	0	127.4	126.6	123.9
50300255	CONCRETE SUPERSTRUCTURE	CU YD	797.6	0	155.7	321.1	320.8
50300260	BRIDGE DECK GROOVING	SQ YD	1414	0	446	484	484
50300280	CONCRETE ENCASEMENT	CU YD	32.0	0	8.0	12.0	12.0
50300300	PROTECTIVE COAT	SQ YD	1779	0	566	606	607
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	0	1	0	0
50500505	STUD SHEAR CONNECTORS	EACH	3308	0	2748	280	280
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	185,460	0	47630	70420	67,410
50800515	BAR SPLICERS	EACH	1194	0	520	341	335
51201500	FURNISHING STEEL PILES HP10X57	FOOT	5830	0	1540	2310	1980
51202305	DRIVING PILES	FOOT	5830	0	1540	2310	1980
51203500	TEST PILE STEEL HP10X57	EACH	6	0	2	2	2
51205200	TEMPORARY SHEET PILING	SQ FT	2157	0	540	592	1025
51500100	NAME PLATES	EACH	3	0	1	1	1
52100520	ANCHOR BOLTS, 1"	EACH	48	0	48	0	0
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	130	0	54	38	38
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	386	0	144	122	120
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1083	1083	0	0	0
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	8	0	0	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	0	0	0
63200310	GUARDRAIL REMOVAL	FOOT	975	975	0	0	0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10	0	0	0
67100100	MOBILIZATION	L SUM	1	1	0	0	0
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2	0	0	0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	0	0	0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	0	0	0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2	0	0	0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	10	10	0	0	0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20	0	0	0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	231	231	0	0	0
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	12516	12516	0	0	0
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	96	96	0	0	0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3524	3524	0	0	0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1525	1525	0	0	0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1475	1475	0	0	0
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4852	4852	0	0	0
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	17	17	0	0	0
78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	6	6	0	0	0
20001900	ASBESTOS BEARING PAD REMOVAL	EACH	44		44		

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			TOTAL QUANTITY	ROADWAY 1000 2A	SN 0050 X071 2A	SN 033-0051 X020 2A	SN 033-0052 X020 2A
78200405	GUARDRAIL MARKERS	EACH	30	30	0	0	0
78200500	BARRIER WALL MARKERS	EACH	63	63	0	0	0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	0	0	0
78300100	PAVEMENT MARKING REMOVAL	SQ FT	961	961	0	0	0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	26	26	0	0	0
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	224	0	224	0	0
X0321781	MECHANICAL SPLICE	EACH	351	0	96	129	126
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1	0	1	0	0
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1	0	1	0	0
X5020503	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 3	EACH	1	0	0	1	0
X5020504	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 4	EACH	1	0	0	1	0
X5020505	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 5	EACH	1	0	0	1	0
X5020506	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 6	EACH	1	0	0	0	1
X5020507	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 7	EACH	1	0	0	0	1
X5020508	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 8	EACH	1	0	0	0	1
XX006661	UNINTERRUPTABLE POWER SUPPLY	EACH	8	8	0	0	0
Z0030030	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4	0	0	0
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4	0	0	0
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4	0	0	0

SEE SPECIAL PROVISIONS  
\* SPECIALTY ITEMS

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	7.2 m (24') JOINTED PCC PAVEMENT
420106-04	10.8 m (36') JOINTED PCC PAVEMENT
420401-06	BRIDGE APPROACH PAVEMENT
482001-02	HMA SHOULDERS ADJACENT TO FLEXIBLE PAVEMENT
515001-02	NAME PLATE FOR BRIDGES
601101	CONCRETE HEADWALL FOR PIPE DRAIN
630001-07	STEEL PLATE BEAM GUARDRAIL
630201-05	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
631031-06	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
667101	PERMANENT SURVEY MARKERS
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 4.5M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701321-09	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701901	TRAFFIC CONTROL DEVICES
704001-04	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

**HAMPTON, LENZINI & RENWICK, INC.**  
CIVIL & STRUCTURAL ENGINEERS

**HLR**

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ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-41-0021-1      DATE: 11/1/07  
DESIGNED: L.F.S.      CHECKED: S.W.M.      DRAWN: W.J.S.

SUMMARY OF QUANTITIES

F.A.P. ROUTE 776 (IL 142)  
SECTION (116BR-1, BR-2, BR-3)B-1  
HAMILTON COUNTY

PLOT DATE: 11/1/2007 FILE NAME: 41021-sht-summary.dgn

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Rev.