

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	107PP-1	BOND	6	1
		ILLINOIS	CONTRACT NO. 76M06	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULE OF QUANTITIES
- 6 LOCATION MAP

TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

IL 140 TO SHADY GROVE AVE.
2017 ADT (ACTUAL): 2700
2018 ADT (ESTIMATED): 2750
SU: 6.3%
MU: 4.8%

SHADY GROVE AVE. TO MONTGOMERY CO. LINE
2017 ADT (ACTUAL): 2300
2018 ADT (ESTIMATED): 2350
SU: 8.5%
MU: 7.4%

**PROPOSED
HIGHWAY PLANS**

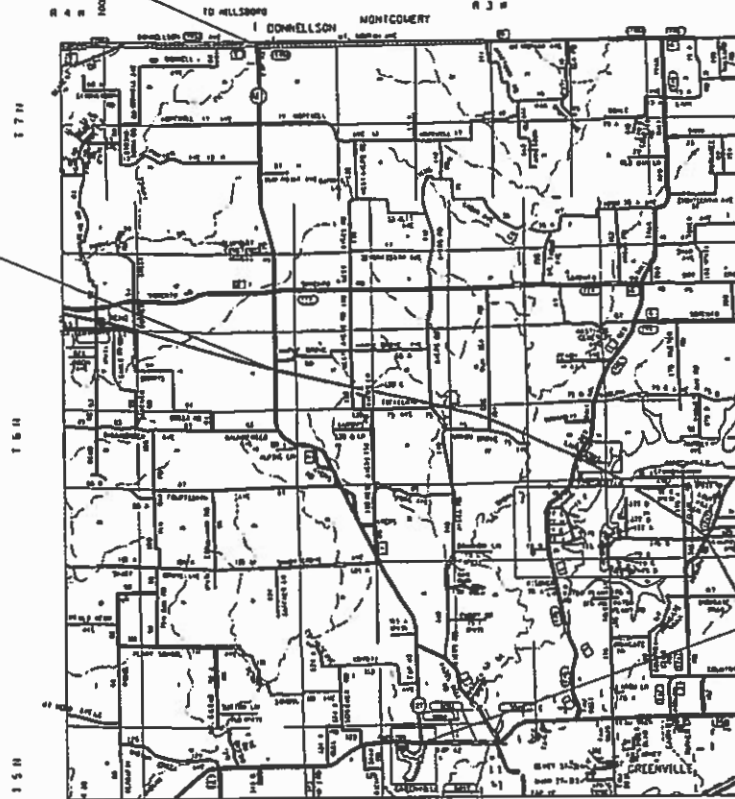
FAP ROUTE 42 (IL 127)
SECTION 107PP-1
PATCHING FROM MONTGOMERY
COUNTY LINE TO IL 140
BOND COUNTY



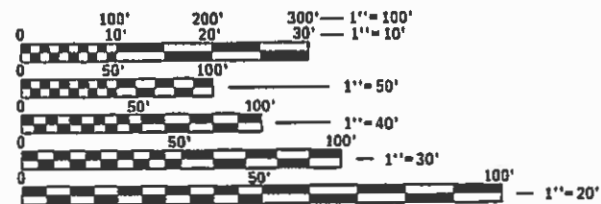
END IMPROVEMENT
MILE STA. 9.663
LAT: 39.027583°N
LONG: 89.473358°W
(MONTGOMERY COUNTY LINE)

C-98-014-19

RAILROAD OMISSION
MILE STA. 5.477 TO
MILE STA. 5.479



BEGIN IMPROVEMENT
MILE STA. 0.000
38.897800°N
89.437520°W



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: TIM PADGETT (618)346-3325
PROJECT MANAGER: DREW RUHOLL (618)346-3454

GROSS LENGTH = 51020.64 FT. = 9.663 MILE
NET LENGTH = 51010.08 FT. = 9.661 MILE

CONTRACT NO. 76M06

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 9 2018

Jeffrey T. K...
REGIONAL ENGINEER

Dec 7 2018
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- ① ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	AERIAL	BURIED
*AMEREN ILLINOIS (GAS & ELECTRIC)	x	x
*AT&T ILLINOIS (COMMUNICATIONS)	x	x
*BOND MADISON WATER COMPANY (WATER)		x
*BUCKEYE PANTHERS L.P.--WOOD RIVER PIPELINE (PIPELINE)		x
*VILLAGE OF DONNELSON (WATER & SANITARY SEWER)		x
*FRONTIER COMMUNICATIONS (COMMUNICATIONS)	x	x
*NEWWAVE COMMUNICATIONS (CABLE TV)	x	x
*SOUTHWESTERN ELECTRIC COOPERATIVE INC. (ELECTRIC)	x	x

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ② THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ③ THE PROPOSED PAVEMENT MARKINGS SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKINGS, AS DIRECTED BY THE ENGINEER. THE EXISTING THERMOPLASTIC PAVEMENT MARKINGS LOCATED BETWEEN MI. STA. 0.000 AND 0.057 SHALL NOT BE PAINTED. TEMPORARY PAVEMENT MARKING SHALL ONLY BE PAINTED FROM MI. STA. 4.286 TO 4.343 AND MI. STA. 4.697 TO 4.754, AS DIRECTED BY THE ENGINEER.
- ④ PAVEMENT PATCHING MAY OCCUR ABOVE EXISTING CULVERTS. THE DEPTH OF PAVEMENT PATCHING SHALL BE TO THE DEPTH SPECIFIED IN THE PLANS OR TO THE TOP OF THE EXISTING CULVERTS, WHICHEVER IS LESS.
- ⑤ NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
- ⑥ THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- ⑦ PAVEMENT PATCHING SHALL NOT BE WITHIN 50 FT OF THE RAILROAD LOCATED BETWEEN MI. STA. 5.477 AND 5.479

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	PATCHING
AC/PG	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION
DESIGN AIR Voids	4.0% @ Ndes=70
MIX COMPOSITION	IL 19.0
FRICTION AGG	MIXTURE "B"
QUALITY MGMT PROGRAM	QC/QA

PLAN QUANTITIES FOR HMA ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN

COMMITMENTS

NONE

MODEL: D:\fruit...
 FILE NAME: P:\110848EID\NTEG_illinois.gov\PWIDOT\Documents\11DOT_Offices\District 8\Projects\0876M06\CAD\Sheet\0876M06-sh-std-gen-note.dgn

USER NAME = estevesst	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 10/1/2018	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS

SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

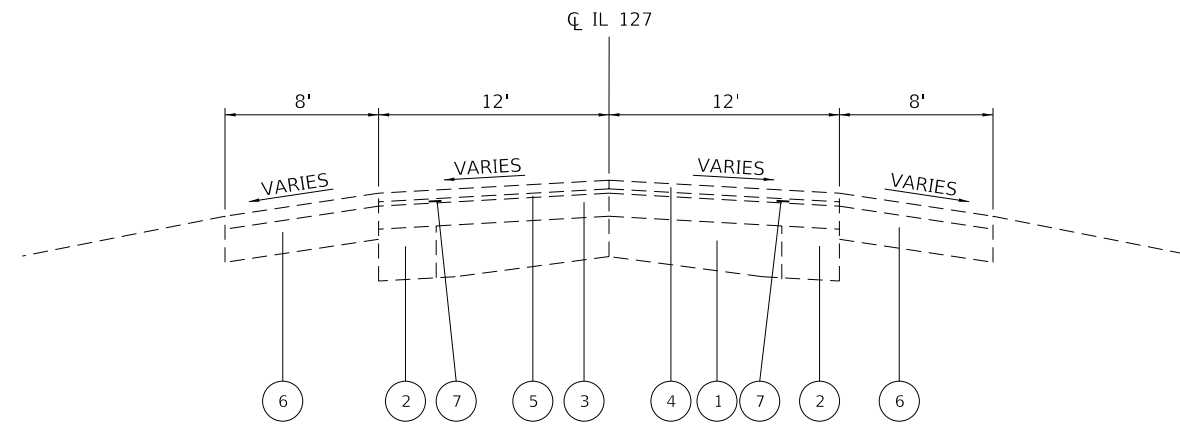
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	107PP-1	BOND	6	2
			CONTRACT NO. 76M06	
ILLINOIS				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE	
				CONSTR. CODE	
				ROADWAY	
				0006	
				RURAL	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	1739	1739	
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	540	540	
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	175	175	
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	1565	1565	
44201299	DOWEL BARS 1 1/2"	EACH	1702	1702	
44213200	SAW CUTS	FOOT	6482	6482	
44213204	TIE BARS 3/4"	EACH	486	486	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	750	750	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	127600	127600	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	250	250	

* SPECIALTY ITEM

MODEL: D:\p\aut FILE NAME: P:\ILLINOIS\BIDDING\TEC\Illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0776M06\CADD\ba\CADD\ba\0776M06-sh-500.dgn

USER NAME = estevesst	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN - _____	REVISED - _____						42	107PP-1	BOND	6	3
PLOT DATE = 10/1/2018	CHECKED - _____	REVISED - _____		SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____				CONTRACT NO. 76M06				
	DATE - _____	REVISED - _____		ILLINOIS								



EXISTING TYPICAL SECTION

MI. STA. 0.000 TO 5.477
 (RAILROAD OMISSION MI. STA 5.477 TO 5.479)
 MI. STA. 5.479 TO 9.663

LEGEND

- ① EXISTING CONCRETE PAVEMENT (9"-7"-9")
- ② EXISTING BASE COURSE WIDENING (BITUMINOUS) 9"
- ③ EXISTING HMA RESURFACING 2"
- ④ EXISTING HMA SURFACE COURSE 1½"
- ⑤ EXISTING HMA LEVELING BINDER ¾"
- ⑥ EXISTING STABILIZED SHOULDER 8"
- ⑦ EXISTING STRIP REFLECTIVE CRACK CONTROL

MODEL: D:\rout\p\110808\BID\NTEG_ILlinis\gov\PWIDOT\Documents\DOT_Offices\District 8\Projects\0876M06\CADD\ba\CADD\ba\0876M06-sh-typical.dgn
 FILE NAME: p\110808\BID\NTEG_ILlinis\gov\PWIDOT\Documents\DOT_Offices\District 8\Projects\0876M06\CADD\ba\CADD\ba\0876M06-sh-typical.dgn

USER NAME = estevesst	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 9/24/2018	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: _____	SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	107PP-1	BOND	6	4
CONTRACT NO. 76M06				
ILLINOIS				

CLASS B PATCHING, 13 INCH SCHEDULE										
LOCATION		WIDTH	LENGTH	CLASS B PATCH TYPE II	CLASS B PATCH TYPE III	CLASS B PATCH TYPE IV	DOWEL BARS, 1-1/2 INCH	TIE BARS, 3/4 INCH	WELDED WIRE REINFORCEMENT	SAW CUTS
MI. STA.	NB/SB	(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(EACH)	(SQ YD)	(FT)
0.260	NB	12	50			66.7	20	24	66.7	136
1.020	NB	12	20			26.7	20		26.7	76
1.034	NB	12	20			26.7	20		26.7	76
1.068	NB	12	20			26.7	20		26.7	76
1.213	NB	12	6	8.0			20			48
1.237	NB	12	40			53.3	20	19	53.3	116
1.363	NB	12	10	13.3			20			56
3.234	NB	12	20			26.7	20		26.7	76
3.311	NB	12	6	8.0			20			48
3.397	NB	12	6	8.0			20			48
4.032	NB	12	10	13.3			20			56
4.211	NB	12	6	8.0			20			48
4.216	NB	12	6	8.0			20			48
4.286	NB	12	300			400.0	20	149	400.0	636
4.697	NB	12	300			400.0	20	149	400.0	636
5.097	NB	12	6	8.0			20			48
6.103	NB	12	10	13.3			20			56
6.213	NB	12	6	8.0			20			48
6.247	NB	12	6	8.0			20			48
6.562	NB	12	40			53.3	20	19	53.3	116
6.946	NB	12	6	8.0			20			48
6.982	NB	12	6	8.0			20			48
7.059	NB	12	8	10.7			20			52
7.161	NB	12	8	10.7			20			52
7.777	NB	12	12		16.0		20		16.0	60
8.004	NB	12	15		20.0		20		20.0	66
8.071	NB	12	8	10.7			20			52
8.145	NB	12	6	8.0			20			48
8.165	NB	12	15		20.0		20		20.0	66
8.309	NB	12	15		20.0		20		20.0	66
8.514	NB	12	8	10.7			20			52
9.193	NB	12	8	10.7			20			52
9.205	NB	12	6	8.0			20			48
9.301	NB	12	6	8.0			20			48
9.316	NB	12	6	8.0			20			48
9.333	NB	12	6	8.0			20			48
9.370	NB	12	6	8.0			20			48
9.401	NB	12	10	13.3			20			56
0.260	SB	12	50			66.7	20	24	66.7	136
1.020	SB	12	20			26.7	20		26.7	76
1.034	SB	12	20			26.7	20		26.7	76
1.068	SB	12	20			26.7	20		26.7	76
1.213	SB	12	6	8.0			20			48
1.237	SB	12	40			53.3	20	19	53.3	116
1.363	SB	12	10	13.3			20			56
3.234	SB	12	20			26.7	20		26.7	76
3.311	SB	12	6	8.0			20			48
3.397	SB	12	6	8.0			20			48
4.032	SB	12	10	13.3			20			56
4.211	SB	12	6	8.0			20			48
4.216	SB	12	6	8.0			20			48
5.097	SB	12	6	8.0			20			48
6.103	SB	12	10	13.3			20			56
6.213	SB	12	6	8.0			20			48
6.247	SB	12	6	8.0			20			48
6.562	SB	12	40			53.3	20	19	53.3	116
6.946	SB	12	6	8.0			20			48
6.982	SB	12	6	8.0			20			48
7.059	SB	12	8	10.7			20			52
7.161	SB	12	8	10.7			20			52
7.777	SB	12	12		16.0		20		16.0	60
8.004	SB	12	15		20.0		20		20.0	66
8.071	SB	12	8	10.7			20			52
8.145	SB	12	6	8.0			20			48
8.165	SB	12	15		20.0		20		20.0	66
8.309	SB	12	15		20.0		20		20.0	66
8.514	SB	12	8	10.7			20			52
9.193	SB	12	8	10.7			20			52
9.205	SB	12	6	8.0			20			48
9.301	SB	12	6	8.0			20			48
9.316	SB	12	6	8.0			20			48
9.333	SB	12	6	8.0			20			48
9.370	SB	12	6	8.0			20			48
9.401	SB	12	10	13.3			20			56
NB LANE SUBTOTAL				234.7	76.0	1080.1	760.0	360.0	1156.1	3454.0
SB LANE SUBTOTAL				234.7	76.0	280.1	720.0	62.0	356.1	2182.0
LANE SUBTOTAL				469.4	152.0	1360.2	1480.0	422.0	1512.2	5636.0
ANTICIPATED FAILURES (15%)				70.4	22.8	204	222	64	226.8	845.4
SUBTOTAL				539.8	174.8	1564.2	1702.0	486.0	1739.0	6481.4
GRAND TOTAL				540	175	1,565	1,702	486	1,739	6,482

PAVEMENT MARKING SCHEDULE							
LOCATION				PAINT PAVEMENT MARKING:			
				LINE - 4"			
MI. STA.	TO	MI. STA.	TO	SOLID WHITE (FT)	SOLID YELLOW (FT)	SOLID DOUBLE YELLOW (FT)	SKIP-DASH YELLOW (FT)
0.057	TO	0.388		3,495	1,748		437
0.388	TO	1.478		11,265			1,439
1.478	TO	1.684		2,175	1,088		272
1.684	TO	1.740		591		591	
1.740	TO	1.955		2,270	1,135		284
1.955	TO	3.753		18,652			2,373
3.753	TO	3.985		2,415	1,225		306
3.985	TO	4.118		1,404		1,404	
4.118	TO	4.311		1,983			255
4.311	TO	5.374		11,130			1,403
5.374	TO	5.465		961	480		120
5.465	TO	5.477		127			127
5.477	TO	5.479					127
5.479	TO	5.490		116			116
5.490	TO	5.572		866	433		108
5.572	TO	6.759		12,390			1,567
6.759	TO	6.880		1,278	639		160
6.880	TO	6.977		1,024			128
6.977	TO	7.092		1,214	607		152
7.092	TO	7.203		1,172			147
7.203	TO	7.413		2,218	1,109		277
7.413	TO	7.601		1,985		1,985	
7.601	TO	7.807		2,175	1,088		272
7.807	TO	8.105		3,117			393
8.105	TO	8.245		1,408	739		185
8.245	TO	8.340		1,003			125
8.340	TO	8.453		1,193	597		149
8.453	TO	9.663		12,713			1,597
SUB-TOTAL				100,340	10,888	4,223	12,149
GRAND TOTAL				127,600			

SEE SIDE ROAD SCHEDULE FOR SIDE ROAD OMISSIONS

TEMPORARY PAVEMENT MARKING					
LOCATION			LINE - 4"		TEMPORARY PAVEMENT MARKING REMOVAL (SQ FT)
			SOLID WHITE (FT)	SKIP-DASH YELLOW (FT)	
MILE STA.	TO	MILE STA.	(FT)	(FT)	(SQ FT)
4.286	TO	4.343	300	75	125
4.697	TO	4.754	300	75	125
SUB-TOTAL			600	150	250
GRAND TOTAL			750		

THE INTENT OF THE TEMPORARY PAVEMENT MARKING IS TO REESTABLISH THE CENTER LINE AND EDGE LINE AT MI. STA. 4.286 AND 4.697 DUE TO THE LOCATION AND LENGTH OF THE PATCH.

SIDE ROAD SCHEDULE				
LOCATION				
NAME	MI. STA.	RT/LT	WIDTH (FT)	
COYOTE AVE.	0.752	LT	60	
HAZEL DELL RD.	1.264	RT	155	
SCHAUFELBERGER BLVD.	1.318	LT	30	
SHADY GROVE AVE.	2.404	LT	70	
W AYERS	2.544	RT	125	
OLD IL 127	3.000	RT	35	
OLD IL 127	3.065	RT	30	
OLD IL 127	3.484	RT	15	
OLD IL 127	3.491	LT	15	
OLD IL 127	3.664	LT	20	
OLD IL 127	3.682	RT	25	
OLD IL 127	3.796	RT	20	
OLD IL 127	3.799	LT	15	
OLD IL 127	4.190	LT	55	
ALPINE LN.	4.380	LT	45	
BAUMBERGER RD.	4.721	LT	50	
SORENTO AVE.	6.463	LT	80	
SORENTO AVE.	6.470	RT	65	
ELM POINT AVE.	8.024	RT	30	
POWDER AVE./1850 N	8.169	LT	70	
HOPEWELL AVE.	8.666	RT	30	
HOPEWELL AVE.	8.668	LT	35	

USER NAME = esteves	DESIGNED - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 10/4/2018	DATE - _____	REVISED - _____

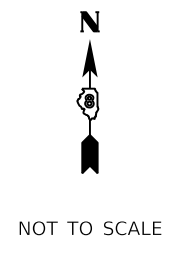
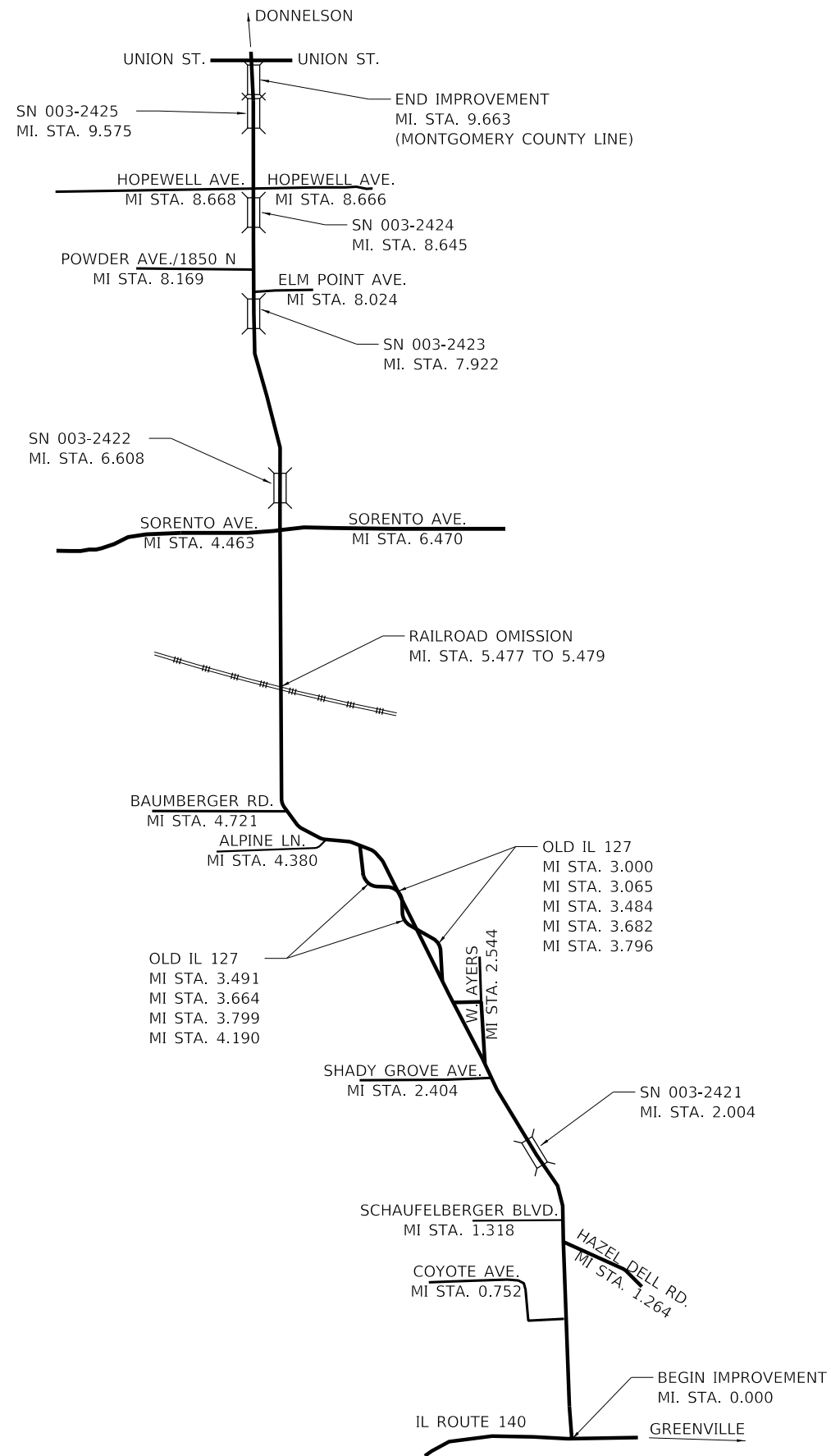
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	107PP-1	BOND	6	5
CONTRACT NO. 76M06				

MODEL D:\draft FILE NAME: P:\01108AEID\NTEG\Illinois.gov.PWD\DOT\Documents\DOT Office\Director B\Projects\0876M06\CAD\AutoCAD\Drawings\0876M06-sh-schedule.dgn



MODEL: D:\out\...
 FILE NAME: P:\IL08\BID\NTEG_IL08\gov\PWD\DOT\Documents\DOT_Offices\District 8\Projects\0876M06\CADD\ba\CADD\ba\0876M06-sh-let\8a.dgn

USER NAME = estevesst	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 9/24/2018	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
 SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	107PP-1	BOND	6	6
CONTRACT NO. 76M06			ILLINOIS	