

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
735	55RS-6	MADISON	7	1
		ILLINOIS	CONTRACT NO. 76K17	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA - FOSTERBURG RD.
 2016 ADT = 6900 (ACTUAL)
 2017 ADT = 7000 (ESTIMATED)
 2037 ADT = 8500 (ESTIMATED)
 SU = 4.1% MU = 1.0%

PROPOSED HIGHWAY PLANS

FAS ROUTE 735 (FOSTERBURG RD.)
SECTION 55RS-6

1/2 SMART-PATCHING, MILLING AND RESURFACING
MADISON COUNTY

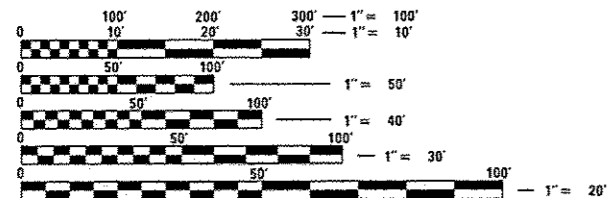
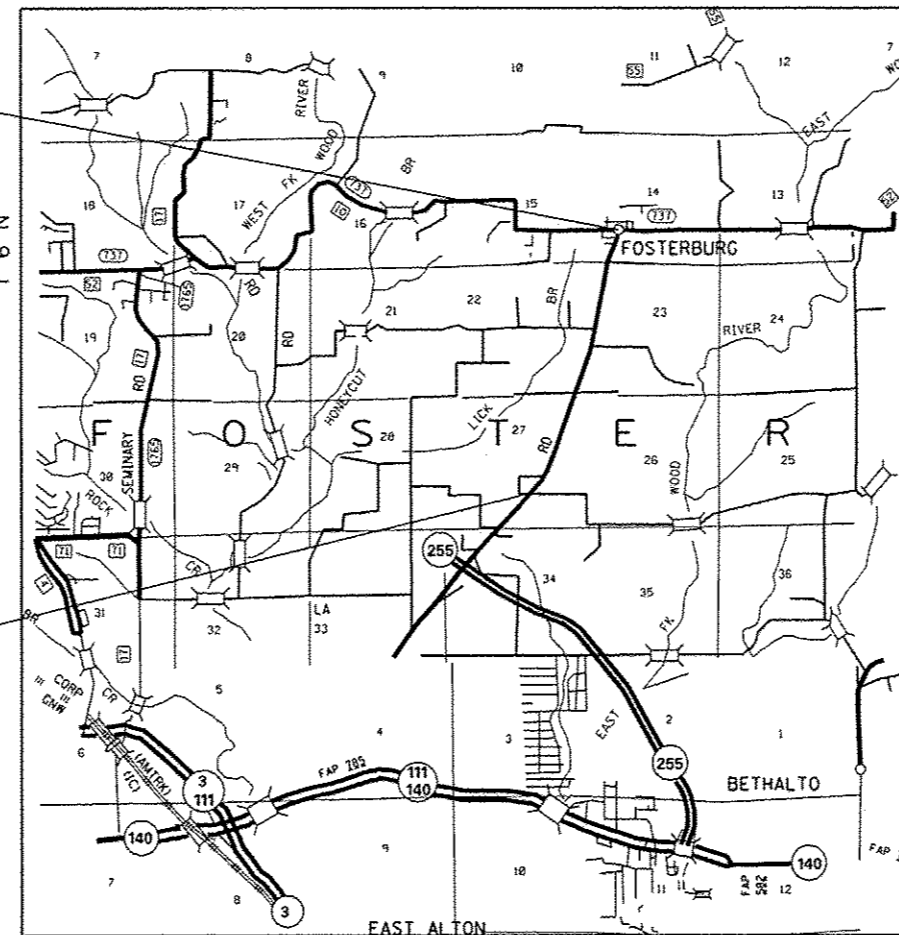
C-98-024-17

R 9 W



END PROJECT
2.43 M.S.
LAT: 38.9709552006878
LONG: -90.0746098611442

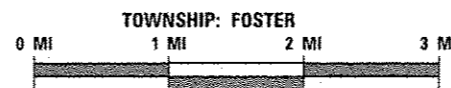
BEGIN PROJECT
0.00 M.S.
LAT: 38.9325308455932
LONG: -90.098095774911



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

GROSS LENGTH = 12,830.40 FT. = 2.43 MILE
NET LENGTH = 12,830.40 FT. = 2.43 MILE



1" = 1 MILE

PROJECT ENGINEER: TIM PADGETT (618) 346-3325
PROJECT MANAGER: DIANA MURRAY (618) 346-3207

CONTRACT NO. 76K17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Mar 24 20 17

Jeffrey Z. Kamras
REGIONAL ENGINEER

Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 20 17

Kevin A. [Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER
- 2 INDEX OF SHEETS, STANDARDS, GENERAL NOTES & COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-6 SCHEDULE OF QUANTITIES
- 7 LOCATION MAP

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W SHORT TERM OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701336-06 LANE CLOSURE, 2L, 2W WORK AREAS IN SERIES, FOR SPEEDS \geq 45 MPH
- 701901-06 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:

UTILITY	ABOVE GROUND	BELOW GROUND
*AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
*AT & T ILLINOIS	X	X
*CHARTER COMMUNICATIONS, INC.	X	X
*FOSTERBURG WATER DISTRICT		X

MEMBERS OF J.U.L.I.E. (800-892-0123 OR 811) ARE INDICATED BY AN *. NON-JULIE 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 ON THESE 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. PROPOSED PAVEMENT MARKING SHALL BE PLACED IN THE SAME LOCATION AS EXISTING AS DIRECTED BY THE ENGINEER.
4. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
5. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
6. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
7. THE PAVEMENT WIDTH VARIES AND QUANTITIES WILL BE PAID ACCORDING TO EXACT WIDTHS AS MEASURED IN THE FIELD.
8. AN ESTIMATED QUANTITY OF 1317.2 TONS OF CUTTINGS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION IS ANTICIPATED. WIDTHS AS MEASURED IN THE FIELD.
9. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO PRIMED SURFACE AND LEVELING BINDER AND REMOVED FROM LEVELING BINDER ONLY.

COMMITMENTS

NONE

MIXTURE REQUIREMENTS

ROUTE	FAS 735
SECTION	55RS-6
COUNTY	MADISON
CONTRACT	76K17

DESCRIPTION	1/2 SMART - PATCHING AND RESURFACING
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ADT (CONSTRUCTION YR):	7000
MU%	1
SU%	4.1
20 YR. ESAL'S:	0.75

MIXTURE USE	LEVEL BINDER	PATCHING
ACPG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes = 70	4.0% @ Ndes = 70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5FG	IL 19.0
FRICTION AGG	MIXTURE "C"	MIXTURE "B"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

00011777

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100 % STATE ROADWAY 0005 RURAL
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	14	14
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	29	29
40300500	COVER COAT AGGREGATE	TON	99	99
40300600	SEAL COAT AGGREGATE	TON	99	99
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14113	14113
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	1318	1318
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	31363	31363
44200164	PAVEMENT PATCHING, TYPE I, 14 INCH	SQ YD	4	4
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	82	82
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SQ YD	68	68
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	783	783
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	749	749
67100100	MOBILIZATION	LSUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1

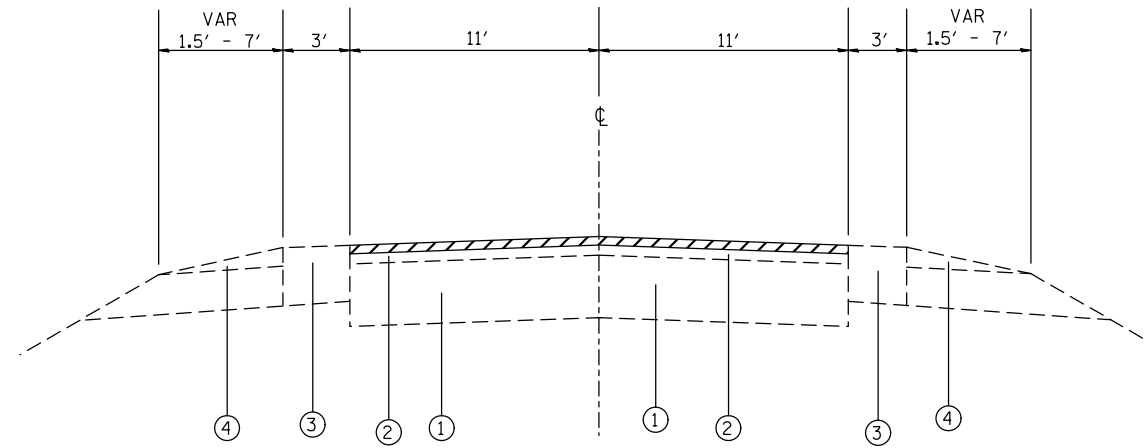
14

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100 % STATE ROADWAY 0005 RURAL
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2600	2600
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	446	446
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	30225	30225
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	30225	30225
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	160	160
X1500001	BITUMINOUS SURFACE TREATMENT, (PREVENTIVE MAINTENANCE)	SQ YD	39917	39917
X4406030	PARTIAL DEPTH REMOVAL, TYPE I, 3"	SQ YD	4	4
X4406230	PARTIAL DEPTH REMOVAL, TYPE II, 3"	SQ YD	137	137
X4406630	PARTIAL DEPTH REMOVAL, TYPE IV, 3"	SQ YD	926	926
X4421000	PARTIAL DEPTH PATCHING	TON	179	179
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	10088	10088
X7810400	TEMPORARY RAISED PAVEMENT MARKER	EACH	694	694

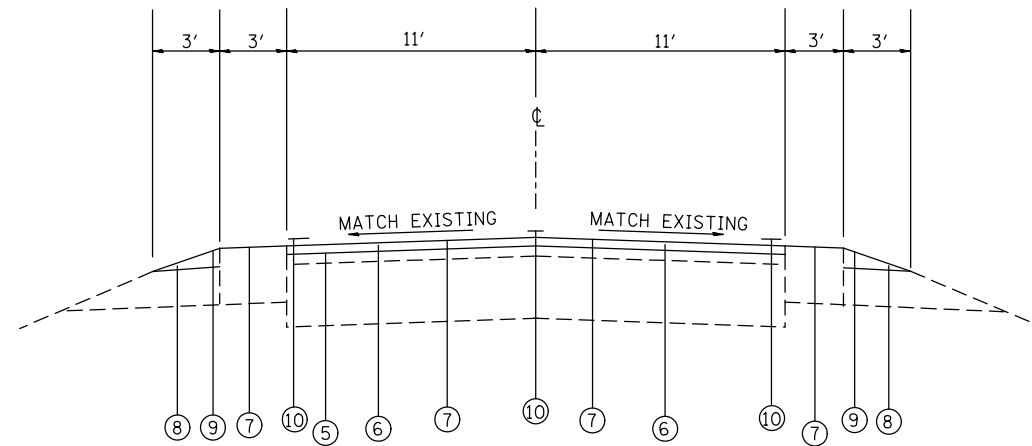
14

* SPECIALTY ITEM

FILE NAME *	USER NAME * murrayde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				P.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PH:\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\100T Offices\District 8\Projects\0876\Drawings\GAD\Sheets\0876K17.rpt-plan.dwg	PLLOT SCALE * 100.0000' / in.	CHECKED -	REVISED -						735	55RS-6	MADISON	7	3
MODEL NAME *	PLLOT DATE * 4/6/2017	DATE -	REVISED -		SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT					
CONTRACT NO. 76K17													



EXISTING
0.00 M.S. - 2.43 M.S.



PROPOSED
0.00 M.S. - 2.43 M.S.



HOT-MIX SURFACE REMOVAL, 3/4"

LEGEND

- ① EXISTING CONCRETE PAVEMENT, 9"
- ② EXISTING RESURFACING, 4 1/4"
- ③ EXISTING BITUMINOUS SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ PROPOSED BITUMINOUS (TACK COAT)
- ⑥ PROPOSED LEVELING BINDER, 3/4"
- ⑦ PROPOSED A1 TREATMENT
- ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TY. B
- ⑨ PROPOSED A2 TREATMENT
- ⑩ PROPOSED PAVEMENT MARKING, LINE 4"

FILE NAME =	USER NAME = murrayda	DESIGNED - _____	REVISED - _____
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0875\DRAWING\AD\Sheets\0875-17-shr-pln.dwg		CHECKED - _____	REVISED - _____
\$MODELNAME\$	PLOT DATE = 3/24/2017	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
735	55RS-6	MADISON	7	4
			CONTRACT NO. 76K17	
ILLINOIS FED. AID PROJECT				

PATCHING SCHEDULE

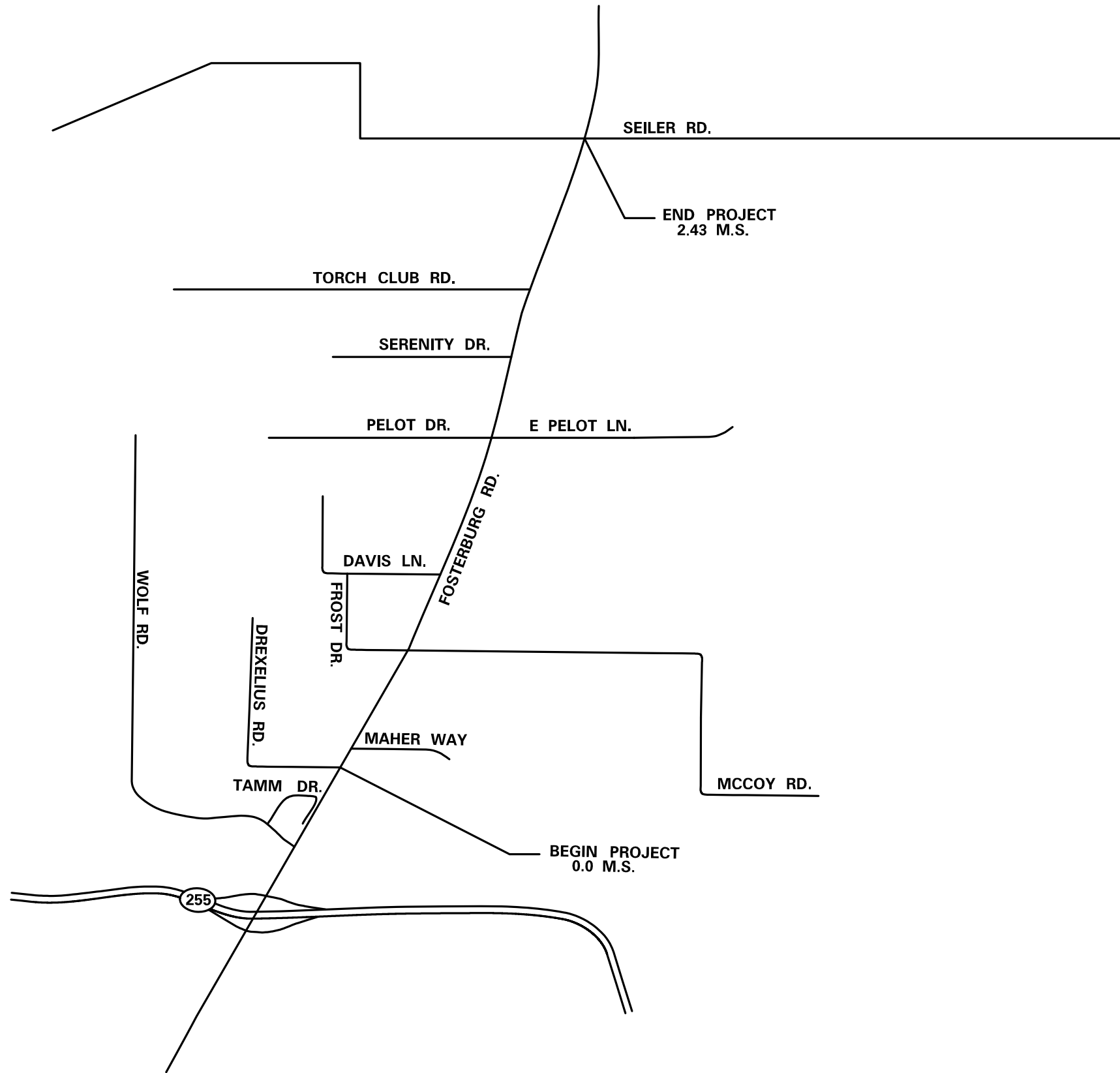
DIR	STATION	DIMENSIONS		PARTIAL DEPTH REMOVAL - 3"			PARTIAL DEPTH PATCHING TON	PAVEMENT PATCHING - 14"			
		LENGTH	WIDTH	TY-I	TY-II	TY-IV		TY-I	TY-II	TY-III	TY-IV
		FT	FT	SQ YD	SQ YD	SQ YD		SQ YD	SQ YD	SQ YD	SQ YD
NB	0.00	25	5					14			
NB	0.01	30	5						17		
NB	0.21	10	5					6			
SB	0.55	340	4							151	
SB	0.59	80	4							36	
NB	0.67	40	5						22		
NB	0.79	70	5							39	
SB	0.88	20	4					9			
SB	0.94	40	5						22		
SB	0.96	60	5							33	
SB	0.92-1.02	530	5			294	49.5				
SB	0.96	8	11					10			
SB	0.96	8	4					4			
NB	1.07	100	5							56	
NB	1.22	400	6							267	
NB	1.31	300	3			100	16.8				
NB	1.40	8	11		10		1.6				
NB	1.40	8	2	2			0.3				
SB	1.40	8	11		10		1.6				
SB	1.40	8	2	2			0.3				
SB	1.59	20	5					11			
NB	1.73	20	6					13			
NB	1.78-1.81	150	6			100	16.8				
NB	1.81-1.84	175	6							117	
NB	1.86-1.91	300	6			200	33.6				
NB	1.88	15	6					10			
SB	1.92-1.97	240	5			133	22.4				
SB	2.06	60	5		33		5.6				
SB	2.07	40	5		22		3.7				
NB	2.25	60	3		20		3.4				
SB	2.25	80	3		27		4.5				
SUBTOTAL				4	122	827	160	4	73	61	699
12% SUBTOTAL*				0	15	99	19	0	9	7	84
TOTAL				4	137	926	179	4	82	68	783

*NOTE: AN ADDITIONAL 12% HAS BEEN ADDED TO THE FINAL PATCHING QUANTITY TO ALLOW FOR WINTER DAMAGE.

RESURFACING SCHEDULE											
STATION TO STATION	DIMENSION		HMA SURFACE REMOVAL 3/4"	BITUMINOUS MATERIALS TACK COAT	LEVELING BINDER	BITUMINOUS SURFACE TREATMENT (A-1) (PREVENTIVE MAINTENANCE)	SEAL COAT AGGREGATE	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	BITUMINOUS MATERIAL PRIME COAT	COVER COAT AGGREGATE	* AGGREGATE WEDGE SHOULDER TYPE B
	WIDTH										
	FT	SQ YD									
MAINLINE											
0.00	-	2.43	22	31363	14113	1317.3					
0.00	-	2.43	28				39916.8				
SHOULDERS											
0.00	-	2.43	3					98.4	28.5	13.4	98.4 749
TOTAL:				31363	14113	1318	39917	99	29	14	99 749

*AGGREGATE SHOULDERS WIDTH VARIES FROM 1.5' TO 7' - 3' WILL BE PROPOSED. AGGREGATE SHOULDERS MUST BE BUILT UP PRIOR TO A2 PLACEMENT. AGGREGATE SHOULDERS WEDGE QUANTITIES WERE DETERMINED USING A 3" DROP-OFF.

PAVEMENT MARKING SCHEDULE																
STATION TO STATION	LENGTH	SHORT TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING					RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	TEMPORARY RAISED PAVEMENT MARKER	PAINT PAVEMENT MARKING LINE				SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING REMOVAL	
			4" SKIP-DASH YELLOW	4" SOLID WHITE	4" SKIP-DASH YELLOW	NO PASSING ZONE				4" SOLID WHITE	4" SKIP-DASH YELLOW	NO PASSING ZONE				
						4" SOLID YELLOW	DIR					FOOT	4" SOLID YELLOW			DIR
FT	FOOT	FOOT	FOOT	FOOT	DIR	FOOT	EACH	EACH	FOOT	FOOT	DIR	FOOT	SQ FT	SQ FT		
0.00	-	0.08	422	80	845	110			5	23	845	110		14	319	
0.08	-	0.21	686	140	1373	180	SB	686	9	36	1373	180	SB	24	747	
0.21	-	0.34	686	140	1373	180			9	36	1373	180		24	518	
0.34	-	0.35	53	20		20			1	5	0	20		4	7	
0.35	-	0.36	53	20	53	20			1	5	53	20		4	25	
0.36	-	0.48	634	120	1267	160			8	34	1267	160		20	476	
0.48	-	0.50	106	20	106	30			1	7	106	30		4	46	
0.50	-	0.71	1109	220	2218	280			14	57	2218	280		37	833	
0.71	-	0.82	581	120	1162	150	NB	581	7	31	1162	150	NB	20	631	
0.82	-	0.92	528	100	1056	140			7	28	1056	140		17	399	
0.92	-	1.04	634	120	1267	160	SB	634	8	34	1267	160	SB	20	687	
1.04	-	1.19	792	160	1584	200			10	42	1584	200		27	595	
1.19	-	1.20	53	20		20			1	5	0	20		4	7	
1.20	-	1.39	1003	200	2006	260			13	52	2006	260		34	756	
1.39	-	1.40	53	20	53	20			1	5	53	20		4	25	
1.40	-	1.55	792	160	1584	200			10	42	1584	200		27	595	
1.55	-	1.56	53	20	53	20			1	5	53	20		4	25	
1.56	-	1.71	792	160	1584	200			10	42	1584	200		27	595	
1.71	-	1.72	53	20	53	20			1	5	53	20		4	25	
1.72	-	2.23	2693	500	5386	680			34	137	5386	680		84	2022	
2.23	-	2.24	53	20	53	20			1	5	53	20		4	25	
2.24	-	2.35	581	120	1162	150			7	31	1162	150		20	438	
2.35	-	2.36	53	20	53	20			1	5	53	20		4	25	
2.36	-	2.40	211	40	422	60			3	13	422	60		7	161	
2.40	-	2.41	53	20	53	20			1	5	53	20		4	25	
2.41	-	2.43	106	20	211	30			1	7	211	30		4	81	
SUBTOTAL			2600	24974	3350			1901	160	694	24974	3350		1901	446	10088
TOTAL			2600		30225				160	694		30225			446	10088



NOT TO SCALE

FILE NAME =	USER NAME = murrayda	DESIGNED - _____	REVISED - _____
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MODELNAME	PLOT DATE = 3/24/2017	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
735	55RS-6	MADISON	7	7
				CONTRACT NO. 76K17
ILLINOIS FED. AID PROJECT				