

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

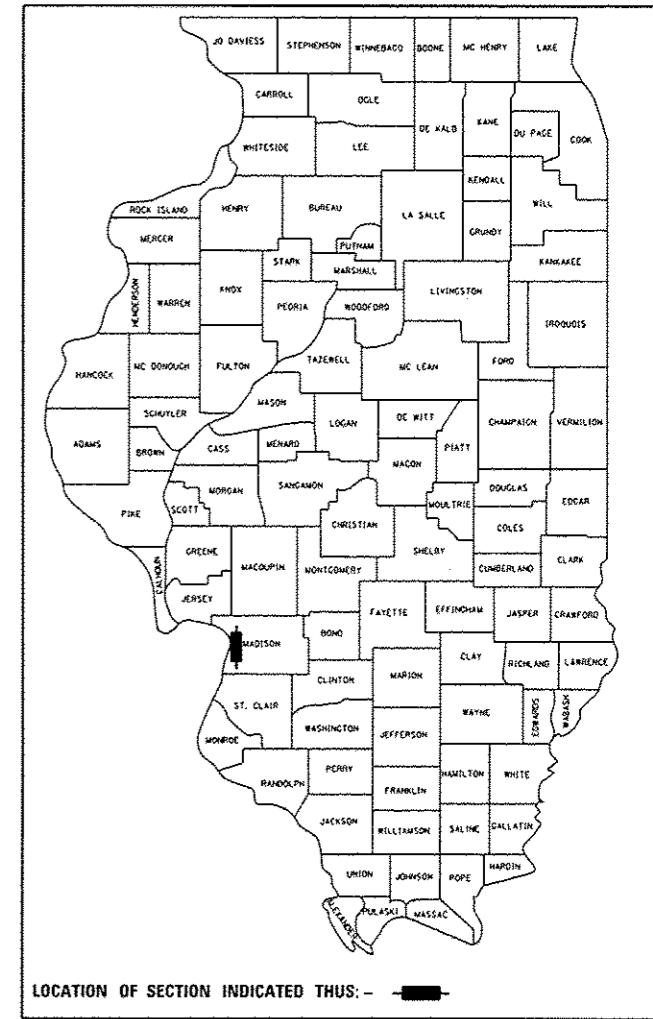
FAU 9077 (OLD ALTON RD)  
SECTION (H-I)RS-4  
OIL AND CHIP  
MADISON COUNTY  
C-98-057-15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9077	(H-I)RS-4	MADISON	8	1
		ILLINOIS	CONTRACT NO. 76J07	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT  
2012 ADT = 3000  
2015 ADT = 3100  
2015 ADT = 3800  
SU = 6.3% MU = 1.3%

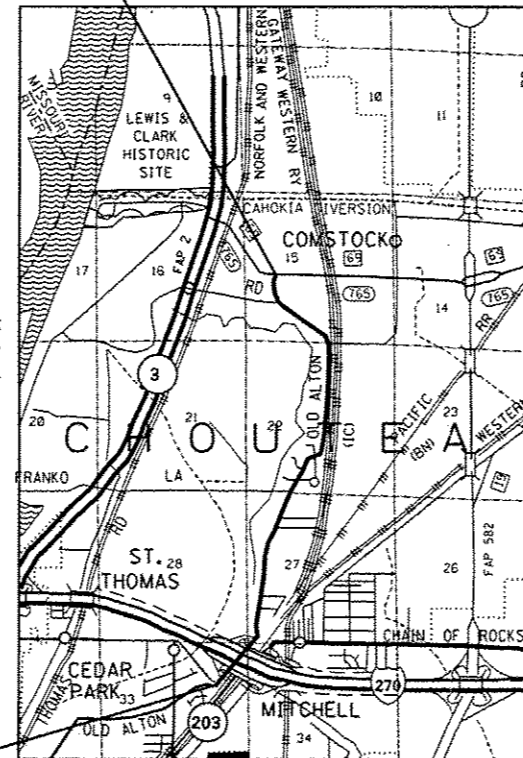
D-98-069-15



LOCATION OF SECTION INDICATED THIS: - [Symbol]

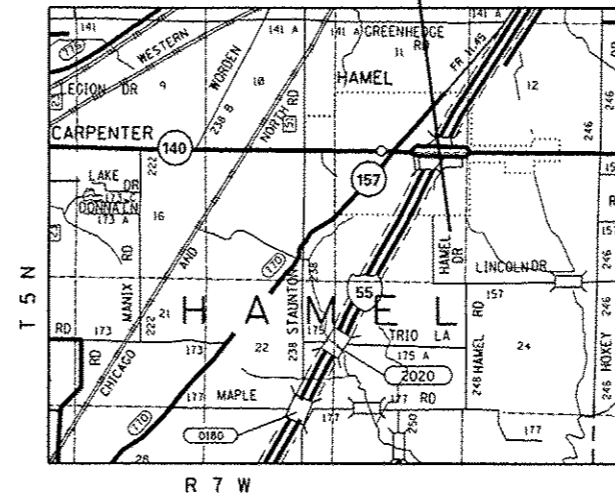


BEGIN PROJECT (LOCATION 1)  
MILE STA. = 0.0  
LAT: 38° 47'54.87"  
LONG: 90° 05'32.94"



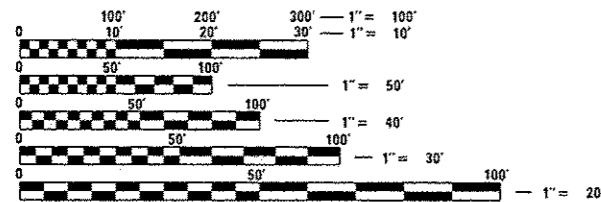
END PROJECT:  
MILE STA. = 3.300  
LAT: 38° 45'29.27"  
LONG: 90° 05'51.87"

HAMEL YARD (LOCATION 2)  
LAT: 38° 53'10.68"  
LONG: 90° 50'18.33"



NTS  
MADISON COUNTY  
CHOUTEA TOWNSHIP  
HAMEL TOWNSHIP

GROSS LENGTH = 17160 FT. = 3.30 MILES  
NET LENGTH = 17160 FT. = 3.30 MILES



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: MIKE PRITCHETT (618)346-3180  
DESIGNER: LEONARD CHILDS (618)346-3191

CONTRACT NO. 76J07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Dec. 15, 2015

Jeffrey R. K...  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

John A...  
2016  
ENGINEER OF DESIGN AND ENVIRONMENT

John A...  
2016  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES, HIGHWAY STANDARDS AND COMMITMENTS
- 3. SUMMARY OF QUANTITIES
- 4.-5. TYPICAL SECTIONS
- 6. SCHEDULES
- 7.-8. LOCATION MAPS

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS  $\geq$  45MPH
- 701311-03 LANE CLOSURE 2L, 2W, MOVING OPERATIONS DAY ONLY
- 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-04 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

1. THE RATES OF APPLICATION SHOWN IN THE PLANS ARE NOMINAL RATES. DEVIATIONS WILL BE ALLOWED AS SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
2. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
3. 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.
4. ALL TRAFFIC CONTROL SIGNS SHALL BE SKID MOUNTED.
5. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48".
6. THE RESIDENT ENGINEER SHALL LOCATE ALL PAVEMENT MARKING/NO PASSING ZONE LIMITS PRIOR TO HMA SURFACE TREATMENT SO THE LIMITS CAN BE REPRODUCED UPON COMPLETION.
7. ALL TEMPORARY RAISED PAVEMENT MARKERS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
8. PAINT PAVEMENT MARKING AND TEMPORARY RAISED PAVEMENT MARKERS SHALL ONLY BE USED AT THOSE LOCATIONS WHICH HAVE EXISTING PAVEMENT MARKING.
9. THE FINAL WEARING SURFACE SHALL HAVE AT LEAST SEVEN DAYS OF DRY WEATHER BEFORE THE FINAL PERMANENT PAVEMENT MARKINGS ARE APPLIED.
10. AT LOCATIONS WHERE PAVEMENT MARKINGS ARE PROPOSED, THE CONTRACTOR SHALL SWEEP THE ENTIRE ROADWAY A MINIMUM OF TWO WEEKS BUT NOT TO EXCEED THREE WEEKS AFTER APPLICATION OF SEAL COAT AGGREGATE TO ALLOW PLACEMENT OF THE PAINT PAVEMENT MARKINGS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE SURFACE TREATMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 OR 811) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.
12. THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.  
BITUMINOUS MATERIAL (COVER AND SEAL) SQUARE-YARDS TO TONS  
COVER COAT AGGREGATE-SQUARE YARDS TO TONS  
SEAL COAT AGGREGATE-SQUARE YARDS TO TONS
13. THE ENGINEER SHALL CONTACT TOM MOORE AT THE HAMEL YARD (618-633-2206 PRIOR TO ORDERING MATERIALS TO DETERMINE EXACT LIMITS OF WORK INSIDE THE HAMEL YARD.

COMMITMENTS

NONE

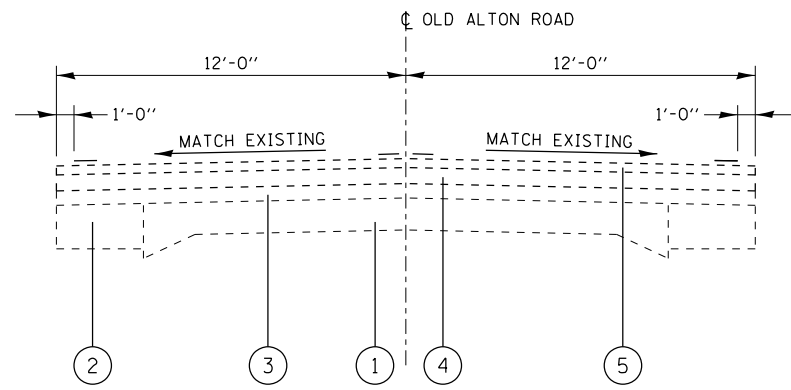
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PLOT SCALE = 1/8" = 1'-0"	DATE -	REVISED -				CONTRACT NO. 76JD7					
PLOT DATE = 12/11/2015	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET OF SHEETS		STA.	TO STA.		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				LOCATION 1	LOCATION 2
				ROADWAY	ROADWAY
				0005	0005
				URBAN	RURAL
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	198	155	43
40300500	COVER COAT AGGREGATE	TON	813	659	154
40300600	SEAL COAT AGGREGATE	TON	650	527	123
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.5	0.5
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	62	62	0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	51126	51126	0
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	90	90	0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	28	28	0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28	28	0
X7810400	TEMPORARY RAISED PAVEMENT MARKER	EACH	862	862	0

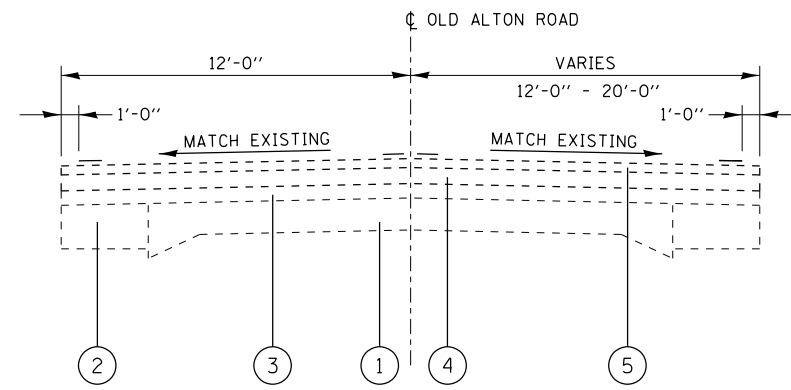
11

\* SPECIALTY ITEM

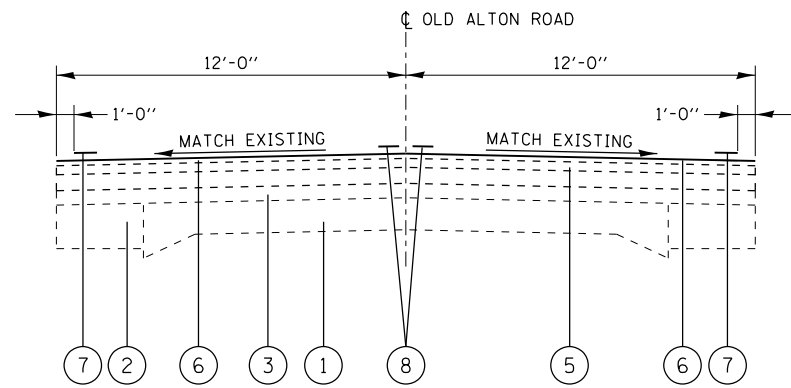
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	PLOT DATE = 12/17/2015	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



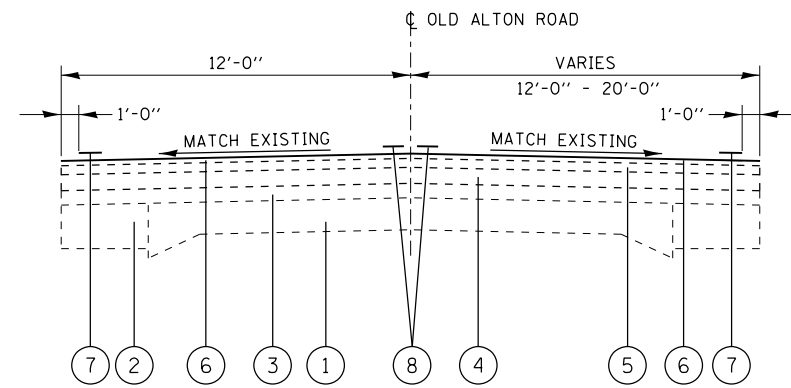
EXISTING TYPICAL SECTION  
MILE STA. 0.00 TO 2.85



EXISTING TYPICAL SECTION  
MILE STA. 2.85 TO 2.92  
MILE STA. 3.25 TO 3.30



PROPOSED TYPICAL SECTION  
MILE STA. 0.00 TO 2.85



PROPOSED TYPICAL SECTION  
MILE STA. 2.85 TO 2.92  
MILE STA. 3.25 TO 3.30

**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING BASE COURSE WIDENING
- ③ EXISTING BITUMINOUS OVERLAY
- ④ EXISTING LEVELING BINDER MACHINE METHOD, SUPERPAVE, N70, 3/4"
- ⑤ EXISTING BITUMINOUS SURFACE TREATMENT (PREVENTIVE MAINTENANCE)
- ⑥ BITUMINOUS SURFACE TREATMENT (CLASS A-2)
- ⑦ PROPOSED PAINT PAVEMENT MARKING - LINE 4" (EDGELINES)
- ⑧ PROPOSED PAINT PAVEMENT MARKING - LINE 4" (CENTERLINES)

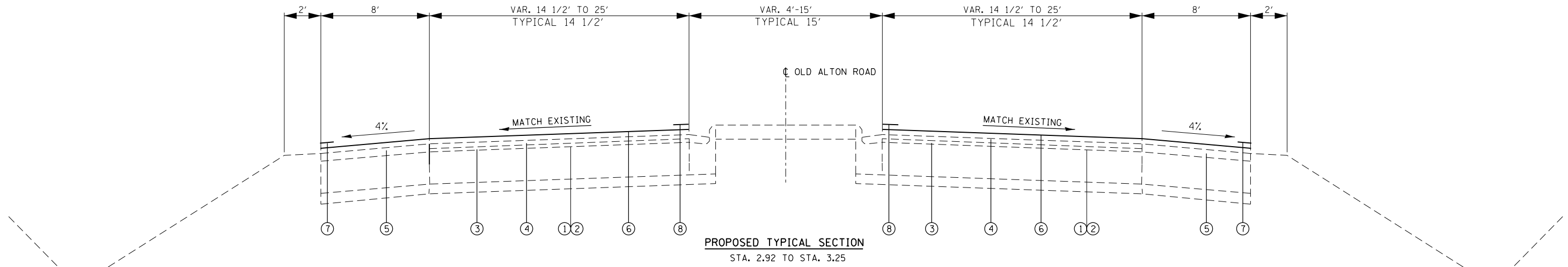
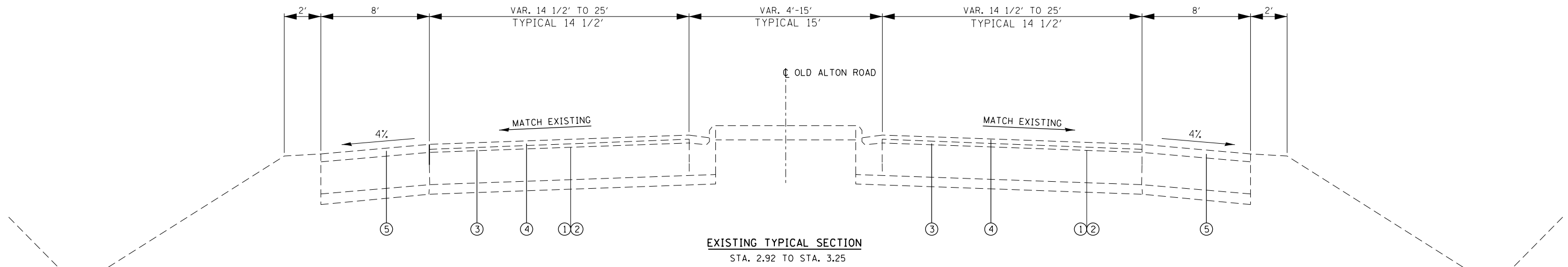
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9077	(H-I)RS-4	MADISON	8	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J07	



**LEGEND**

- ① EXISTING BITUMINOUS MATERIAL (PRIME COAT)
- ② EXISTING AGGREGATE (PRIME COAT)
- ③ EXISTING LEVELING BINDER (MACHINE METHOD), N70-3/4"
- ④ EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90-1 1/2"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER, 2 1/4"
- ⑥ BITUMINOUS SURFACE TREATMENT (CLASS A-2)
- ⑦ PROPOSED PAINT PAVEMENT MARKING - LINE 4" (EDGELINES)
- ⑧ PROPOSED PAINT PAVEMENT MARKING - LINE 4" (CENTERLINES)

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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

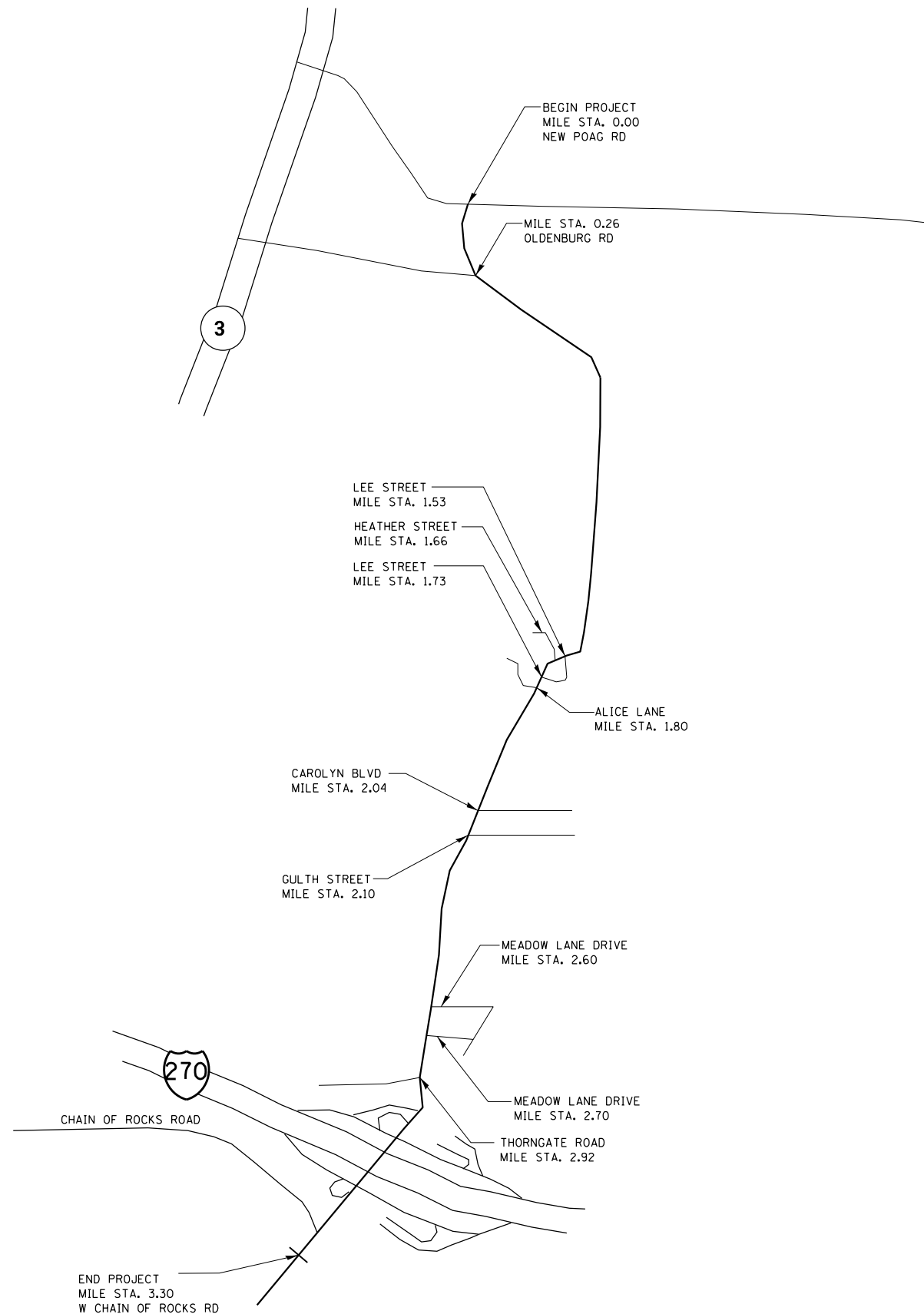
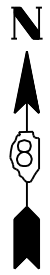
**TYPICAL SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9077	(H-I)RS-4	MADISON	8	5
CONTRACT NO. 76J07				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE													
MILE STA	TO	MILE STA	LENGTH	NO PASSING ZONE	PAINT					RAISED PAVEMENT MARKERS			
					4" YELLOW SKIP DASH 10'-30'	4" YELLOW SOLID	4" WHITE SOLID	12" YELLOW SOLID (DIAGONAL)	LETTERS & SYMBOLS	TEMP RAIS PVT MKR YELLOW	RAISED PAVEMENT MARKERS REMOVAL	RAISED PAVEMENT MARKERS AMBER	RAISED PAVEMENT MARKERS CLEAR
					FOOT	FOOT	FOOT	FOOT	SQ FT	EACH			
0.00		0.08	422.4		110.0		844.8			22			
0.08		0.26	950.4	SB	240.0	950.4	1900.8			48			
0.26		0.28	105.6	BOTH		211.2	211.2			6			
0.28		0.47	1003.2	NB	250.0	1003.2	2006.4			50			
0.47		0.49	105.6	BOTH		211.2	211.2			6			
0.49		0.67	950.4	SB	240.0	950.4	1900.8			48			
0.67		0.71	211.2		50.0		422.4			10			
0.71		0.91	1056.0	NB	260.0	1056.0	2112.0			52			
0.91		1.35	2323.2		580.0		4646.4			116			
1.35		1.46	580.8	SB	150.0	580.8	1161.6			30			
1.46		1.59	686.4		170.0		1372.8			34			
1.59		1.71	633.6	BOTH		1267.2	1267.2			32			
1.71		2.15	2323.2		580.0		4646.4			116			
2.15		2.19	211.2		50.0		422.4			10			
2.19		2.27	422.4	BOTH		844.8	844.8			22			
2.27		2.83	2956.8		740.0		5913.6			148			
2.83		2.89	316.8	SB	80.0	316.8	633.6			16	11		
2.89		2.95	316.8	BOTH		1267.2	633.6	90	62	16			
2.95		3.24	1531.2	BOTH		3062.4	3062.4			76	8	8	
3.24		3.28	211.2	BOTH		844.8	422.4			10	9		
3.28		3.30	105.6	BOTH		211.2	211.2			6			
SUBTOTALS (ROUNDED)					3500	12778	34848	90	62	874	28	20	8
TOTALS						51126		90	62	874	28		28

LOCATION			BIT. MAT. COVER & SEAL COAT	COVER COAT AGG.	SEAL COAT AGG.
STATION TO STATION			(TONS)	(TONS)	(TONS)
0.00	TO	2.85	126.9	543.4	434.7
2.85	TO	2.92	3.4	14.4	11.5
2.92	TO	2.95	1.8	7.7	6.2
2.95	TO	2.98	2.3	9.9	7.9
2.98	TO	3.02	2.7	11.7	9.4
3.02	TO	3.08	4.6	19.8	15.8
3.08	TO	3.20	8.2	35.2	28.2
3.20	TO	3.24	3.2	13.8	11.0
3.24	TO	3.25	0.8	3.2	2.6
3.25	TO	3.30	2.2	9.5	7.6
SUBTOTALS			154.0	659.1	527.3
HAMEL YARD			35.9	153.8	123.1
TOTALS (ROUNDED)			190	813	650



LOCATION MAP

NOT TO SCALE

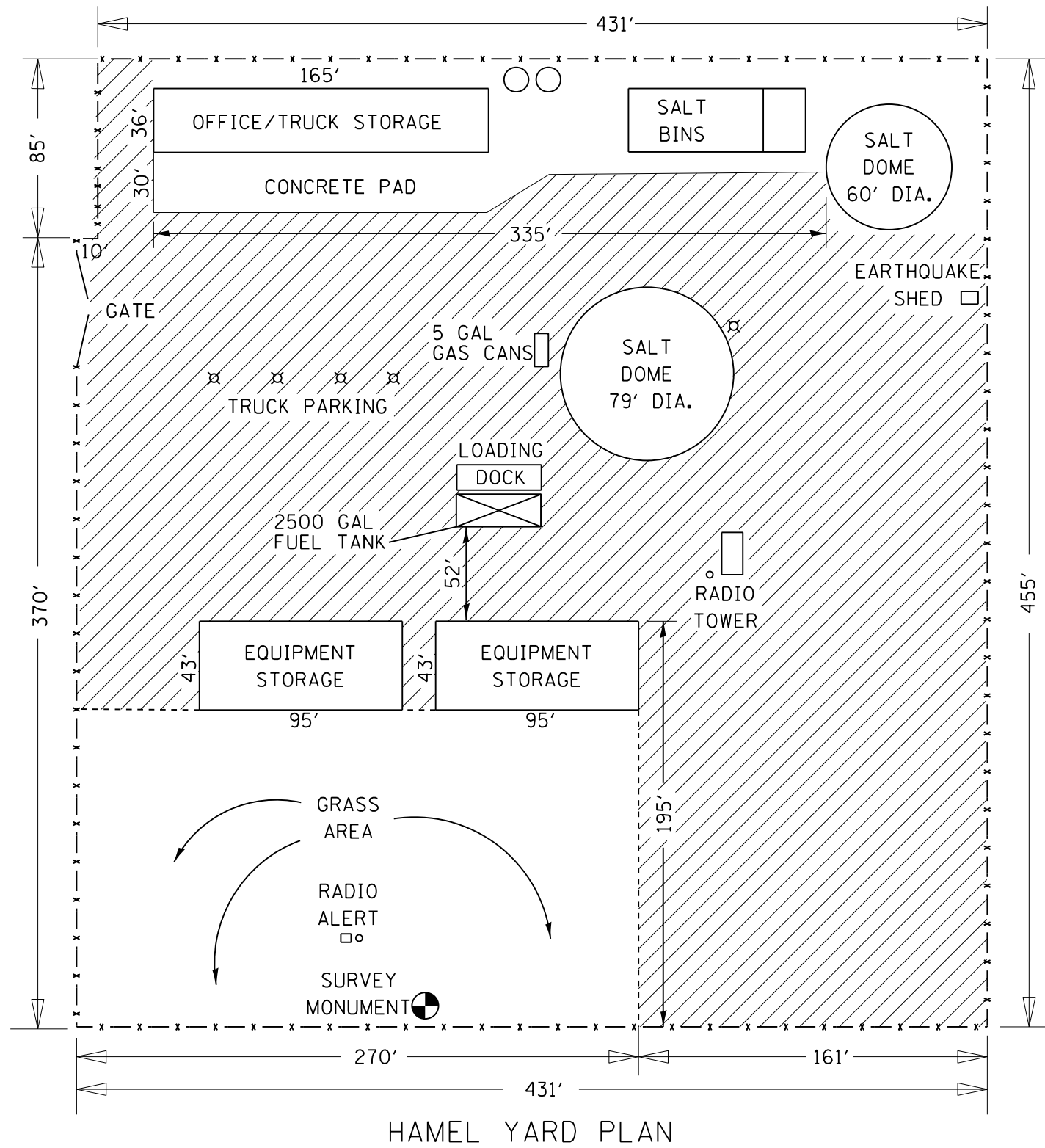
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP - LOCATION 1**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9077	(H-I)RS-4	MADISON	8	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J07	



NOT TO SCALE

FILE NAME =	USER NAME = childsl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LOCATION MAP - LOCATION 2</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 76J07				
PLOT DATE = 12/11/2015					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							