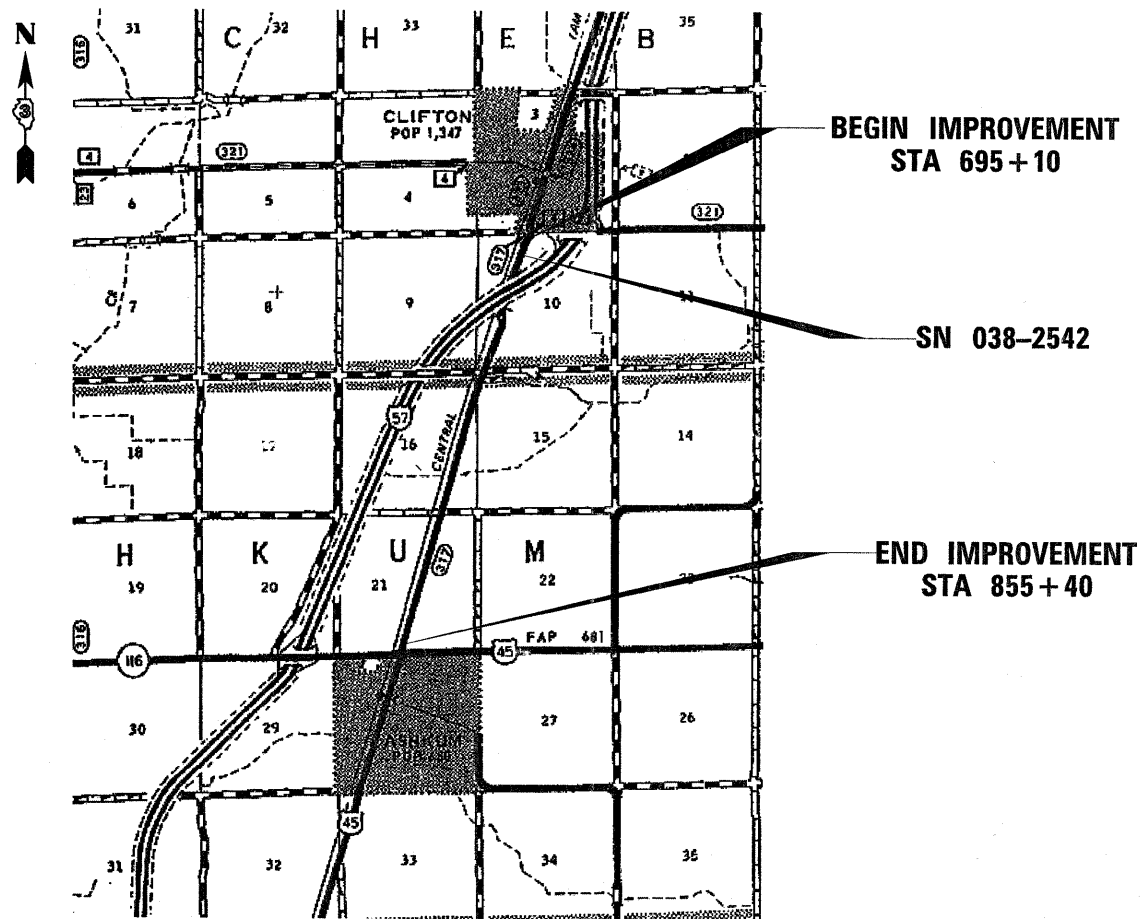


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(37)RS-2, (38)RS-5	IROQUOIS	7	1
ILLINOIS			CONTRACT NO. 66979	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAS 317 (OLD US 45)
SECTION (37)RS-2, (38)RS-5
PROJECT ACM-0317(108)
3P RESURFACING
IROQUOIS COUNTY

C-93-149-09
MILLING AND RESURFACING FROM
SOUTH OF 2900 N RD TO NORTH OF IL 116 /US 45



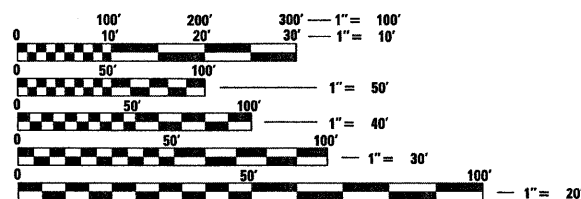
GROSS LENGTH = 16030 FT. = 3.036 MILES
NET LENGTH = 16030 FT. = 3.036 MILES

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULES
- 6 PROJECT LAYOUT
- 7 DETAILS

STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 667101-01 PERMANENT SURVEY MARKERS
- 701008-03 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701011-02 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

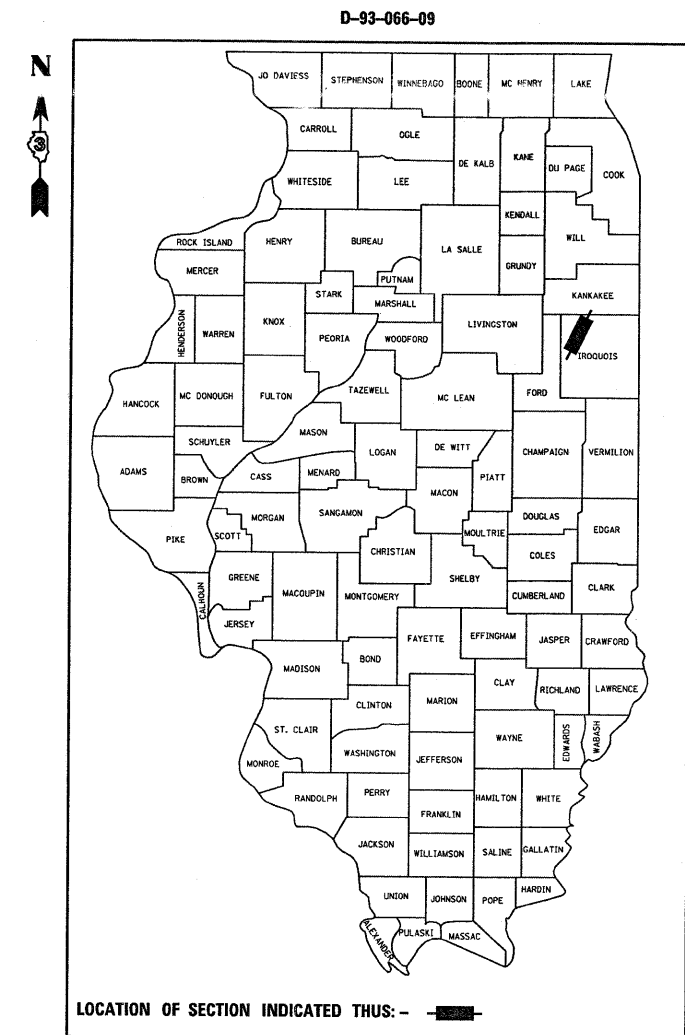


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOE KANNEL
UNIT CHIEF: MICHELE LINDEMANN

CONTRACT NO. 66979



LOCATION OF SECTION INDICATED THUS:

RURAL MAJOR COLLECTOR

2009 ADT = 2,500
P.V. = 93%
S.U. = 5%
M.U. = 2%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 5-5-09 20 09

George Ryman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BIT MATERIALS (PRIME COAT) ON AGGREGATE BASES	0.375	GAL / SQ YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.05	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Paul Powell*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 5.5.09

EXAMINED BY: *Herb Jones*
DISTRICT CONSTRUCTION ENGINEER

Ray J. Phillips
DISTRICT MATERIALS ENGINEER

Bruce A. Hansen
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = carpenter.dj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwork\pwork\DOT\CARPENTERJ\d0138878	0366979-shr-cover.dgn	DRAWN -	REVISED -			317	(37)RS-2, (38)RS-5	IROQUOIS	7	2	
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	PLOT DATE = May 04, 2009 - 02:18:21 PM	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES			80% FED. 20% STATE
CODE NO.	CONSTRUCTION CODE TYPE:	UNIT	1000
	ITEM		TOTAL QUANTITY
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	15
40800100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9090
40800300	AGGREGATE (PRIME COAT)	TON	172
40800400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13
40800525	LEVELING BINDER (HAND METHOD), N50	TON	21
40800625	LEVELING BINDER (MACHINE METHOD), N50	TON	1795
40800895	CONSTRUCTING TEST STRIP	EACH	1
40800990	TEMPORARY RAMP	SQ YD	57
40803310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3591
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	55
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	451
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	42747
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1521
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4809
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	32060
70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	4008
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	534
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	64120
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	8016
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	200
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	200

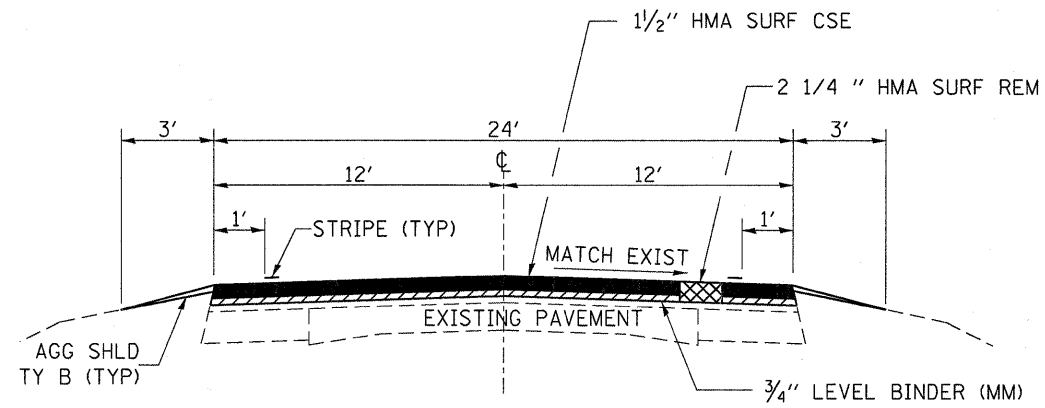
* SPECIALTY ITEMS

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(37)RS-2, (38)RS-5	IRROUOIS	7	3
			CONTRACT NO. 66979	



PROPOSED TYPICAL SECTION

STA 695+10 TO STA 855+40

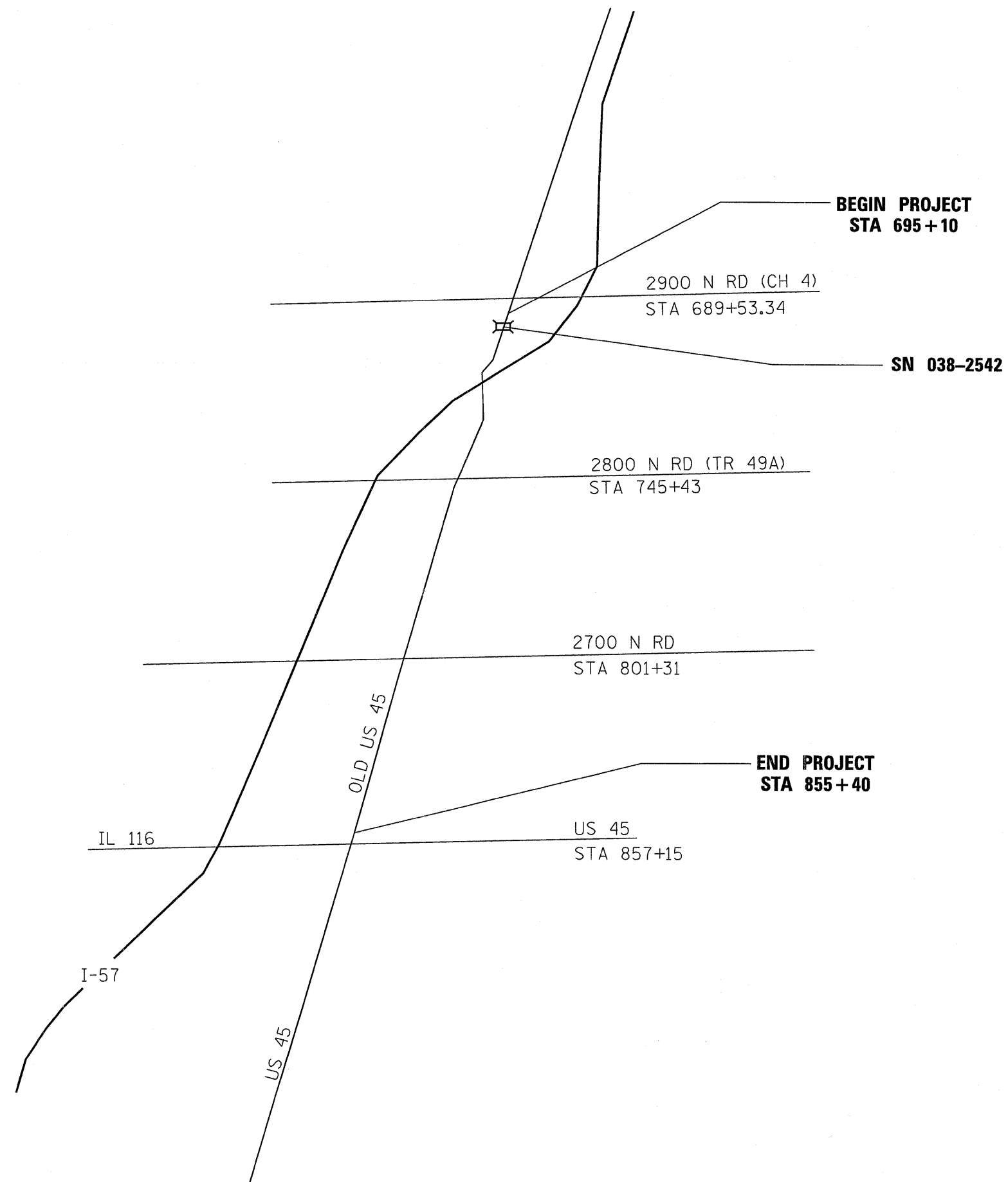
MIX DESIGN					
MIX	PG GRADE	DESIGN AIR VOIDS	MIX COMPOSITION	FRICTION AGG	DENSITY CONTROL
HMA SURFACE	PG 58-22	4.0% @N50	IL 9.5	MIXTURE C	CORRELATION
LEVELING BINDER	PG 58-22	4.0% @N50	IL 9.5		

* MATERIAL SHALL BE COMPACTED TO 93-97 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT THE BOTTOM LIFT SHALL BE COMPACTED TO A MINIMUM OF 91.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFICATION.

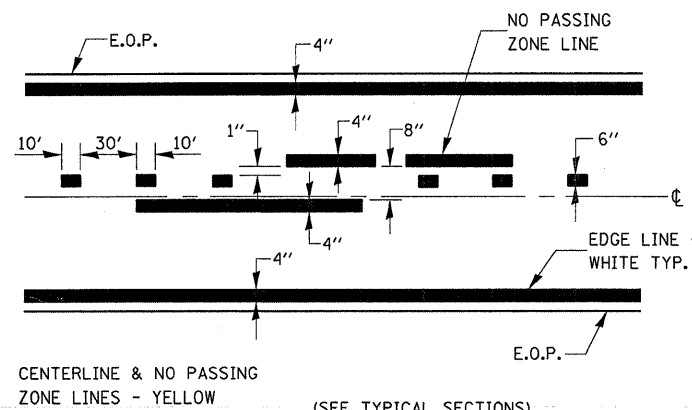
PAVEMENT MARKING SCHEDULE									
LOCATION	LENGTH	PAINT PVMT MARK 4"	PAINT PVMT MARK 6"	TEMP PVMT MARK 4"	TEMP PVMT MARK 6"	RAISED REFLECT PVMT MARK REM	RAISED REFLECT PVMT MARK	SHORT TERM PVMT MARK	WORK ZONE PVMT MARK REM
		WHITE	YELLOW	WHITE	YELLOW	RE	EACH	FOOT	SQ FT
		FOOT	FOOT	FOOT	FOOT	EACH	EACH	FOOT	SQ FT
695+10 TO 855+40	16030	64120	8016	32060	4008	200	200	4809	534
PROJECT TOTAL		64120	8016	32060	4008	200	200	4809	534

SIDEROAD AND ENTRANCE SCHEDULE											
STATION	SIDE	DESCRIPTION	EXIST MAT	WIDTH	AREA	HMA SURF REM 1-1/2"	INC HMA SURF	BIT MAT (PR CT)	AGG (PR CT)	TEMP RAMP	AGG SURF CSE
				FOOT	SQ YD	SQ YD	TON	GAL	TON	SQ YD	TON
701+43	LT	COMMERCE DRIVE	CONC	24	123						
717+45		I-57 UNDERPASS									
723+78	LT	CE	HMA	36	51	51	4.3	4.1	0.1		
745+43	LT	2800 N ROAD	HMA	32	150	150	12.6	12.0	0.3	17.8	
745+43	RT	2800 N ROAD	AGG	24	123		10.3	46.1	0.2		0.8
747+86	LT	W PETERSEN DR	HMA	25	39	39	3.3	3.1	0.1	13.9	
769+50	LT	PE	AGG/HMA	23	37	37	3.1	3.0	0.1		0.7
801+43	LT	2700 N ROAD	HMA	22	116	116	9.7	9.3	0.2	12.2	
801+43	RT	2700 N ROAD	AGG	12	83		7.0	31.1	0.2		0.4
828+40	LT	PE W/MBTO	AGG/HMA	24	58	58	4.9	4.6	0.1		0.8
AGG FIELD ENTRANCES		VARIOUS LOCATIONS	AGG								12.0
SUBTOTAL						451	55.2	113.3	1.3	43.9	14.7

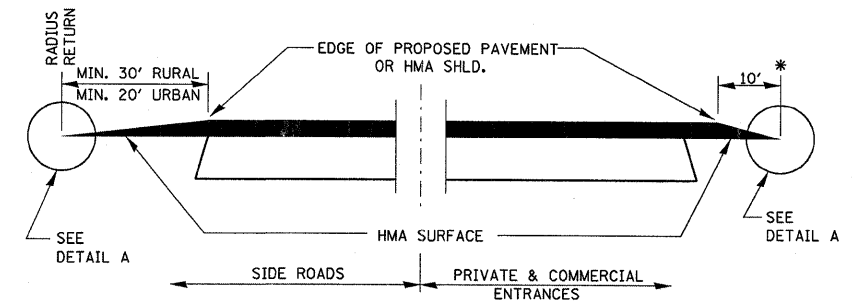
RESURFACING SCHEDULE											
LOCATION	LENGTH	PVMT AREA	HMA SURF CSE	LEVEL BINDER (MM)	HMA SURF REM 2 1/4"	TEMP RAMP	BIT MAT (PR CT)	AGG (PR CT)	MIX FOR CRACKS, JOINTS & FLGWYS	LEVEL BINDER (HM)	AGG SHLD
STA TO STA	FOOT	SQ YD	TON	TON	SQ YD	SQ YD	GALLON	TON	TON	TON	TON
695+10 TO 855+40	16030	42747	3591	1795	42747	13	8977	171	13	21	1521
TOTAL			3591	1795	42747	13	8977	171	13	21	1521



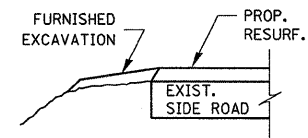
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -												
	PLOT DATE = May 04, 2009 - 02:19:10 PM	DATE -	REVISED -												
											CONTRACT NO. 66979			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING

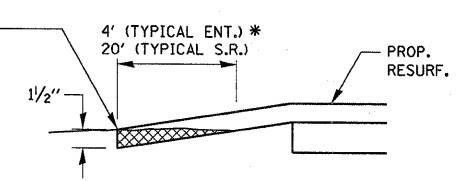


**SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS**

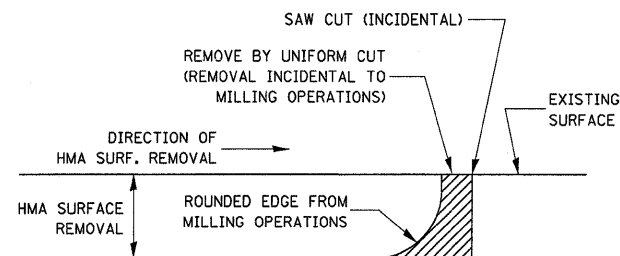


SECTION B-B

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.

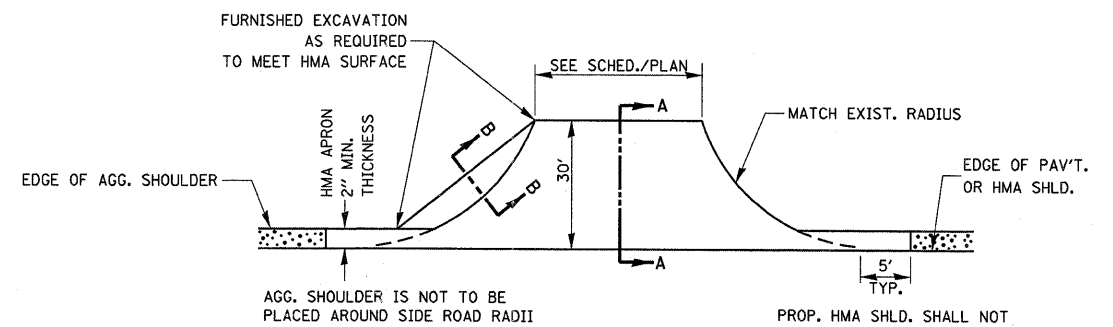


DETAIL A

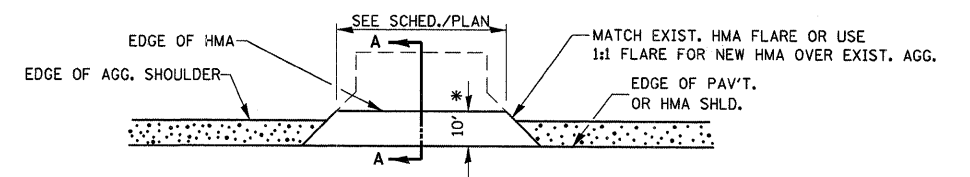


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\PMIDOT\CARPENTERDJ\d0138878	0366979-sht-cover.dgn	DRAWN -	REVISED -			317	(37)RS-2, (38)RS-5	IROQUOIS	7	7	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 66979					
	PLOT DATE = May 04, 2009 - 02:19:17 PM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.				