

1. COVER SHEET
2. GENERAL NOTES
- 3 - 4. SUMMARY OF QUANTITIES
- 5 - 6. TYPICAL SECTIONS
7. SCHEDULES
8. DETAILS
9. STRIP REFLECTIVE CRACK CONTROL TREATMENT
10. PAVEMENT MARKING DETAILS
- 11 - 12. TYPICAL PAVEMENT MARKING

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701901-06 TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

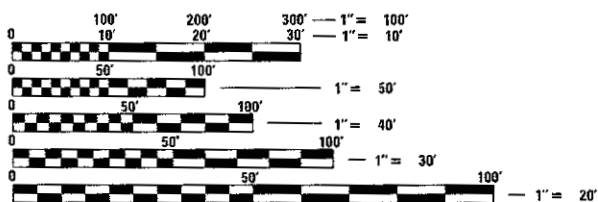
**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 591 (US 34)
SECTION (12)RS-5
MILLING AND RESURFACING
KENDALL COUNTY

C-93-078-17

END IMPROVEMENT
STA. 619 + 29
HMA JOINT +/-0.57 MILES
EAST OF ORCHARD RD.

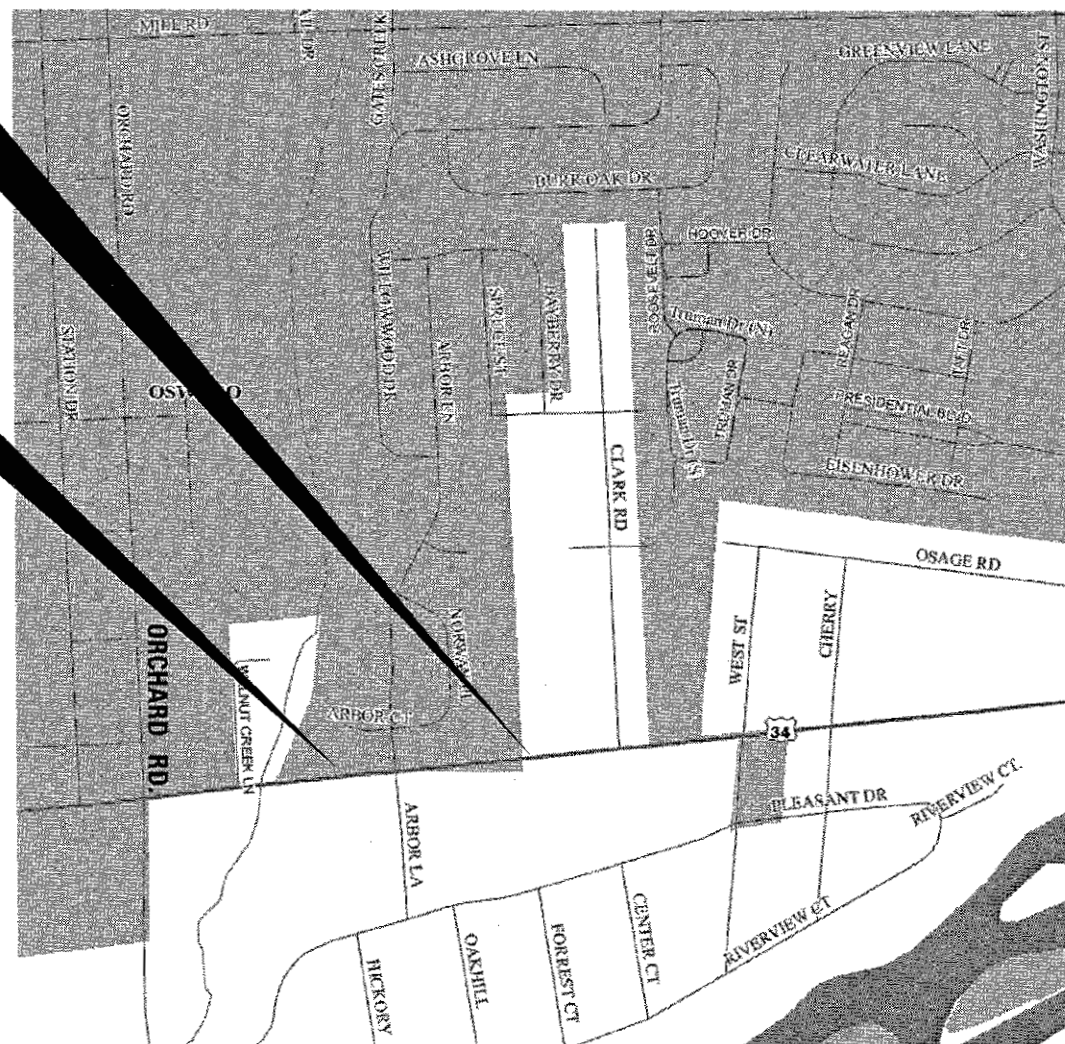
BEGIN IMPROVEMENT
STA. 608 + 39
CONCRETE JOINT +/-0.36 MILES
EAST OF ORCHARD RD.



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

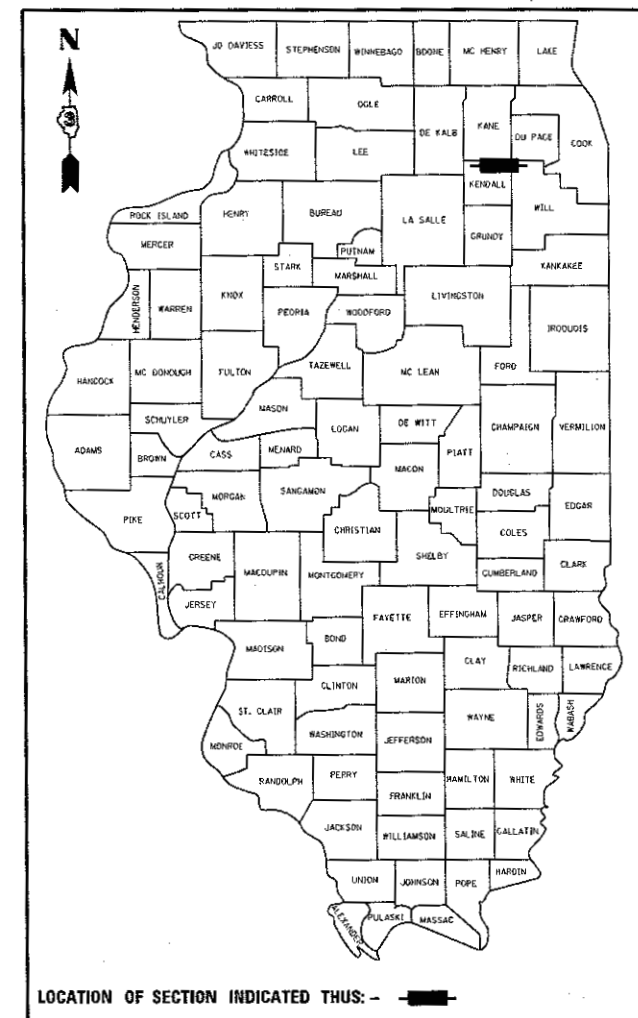
DISTRICT NO. 3 PHONE: (815)434-6131
PROJECT ENGINEER: JOE KANNEL P.E.
UNIT CHIEF: RON WOODSHANK
CONTRACT NO. 66H41



GROSS LENGTH = 1,090 FT. = 0.21 MILE
NET LENGTH = 1,090 FT. = 0.21 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(12)RS-5	KENDALL	12	1
		ILLINOIS	CONTRACT NO. 66H41	

D-93-002-17



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

FUNCTIONAL CLASSIFICATION
URBAN - OTHER ARTERIAL
F. A. P. ROUTE 591 (US 34)
2015 ADT 11800
P. V. 92.2% S. U. 5.3% M. U. 2.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *May 23 2017*
[Signature]
REGIONAL ENGINEER

June 30 2017
Maureen M. Addis P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

June 30 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

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 SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

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

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE THE MEDIUM FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

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
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.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

DATE: 5-23-17

PREPARED BY: Tom Beaulieu
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = woodshenkr1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE. 591	SECTION (12)RS-5	COUNTY KENDALL	TOTAL SHEETS 12	SHEET NO. 2		
Default	PLLOT SCALE = 100.0000' / 1" =	CHECKED - EP	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLLOT DATE = 4/17/2017	DATE - 3/8/2017	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONTRACT MAINT. 100% STATE ✓ ROADWAY 0005 ✓ URBAN ✓
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3797	3797
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2	2
40600535	LEVELING BINDER (HAND METHOD), N70	TON	3	3
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	330	330
40600990	TEMPORARY RAMP	SQ YD	302	302
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	330	330
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	43	43
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	5625	5625
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10	10
48203100	HOT-MIX ASPHALT SHOULDERS	TON	240	240
67100100	MOBILIZATION	LSUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2560	2560
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	844	844

14

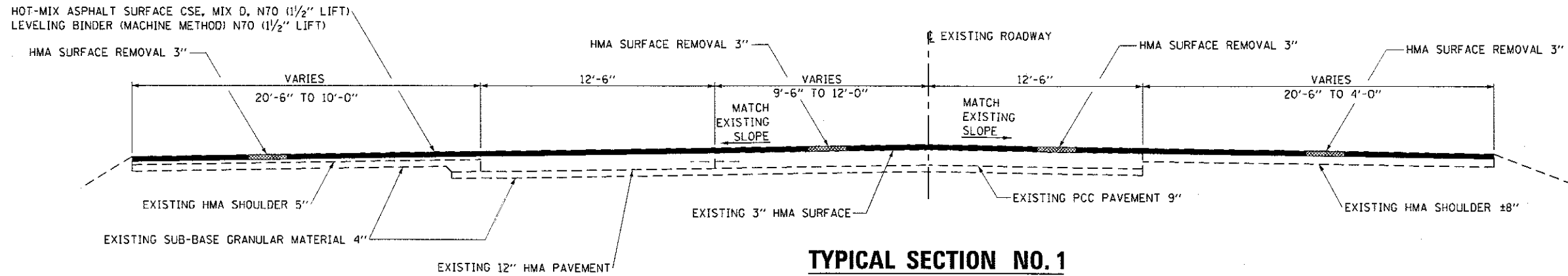
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Default	PLOT DATE = 4/17/2017	DATE - 3/8/2017	REVISED -		SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 66H41			
									ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONTRACT MAINT. 100% STATE ROADWAY 0005 URBAN
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	168	168
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5110	5110
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	310	310
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	365	365
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	168	168
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5110	5110
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	310	310
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	365	365
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	56	56
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	60	60
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

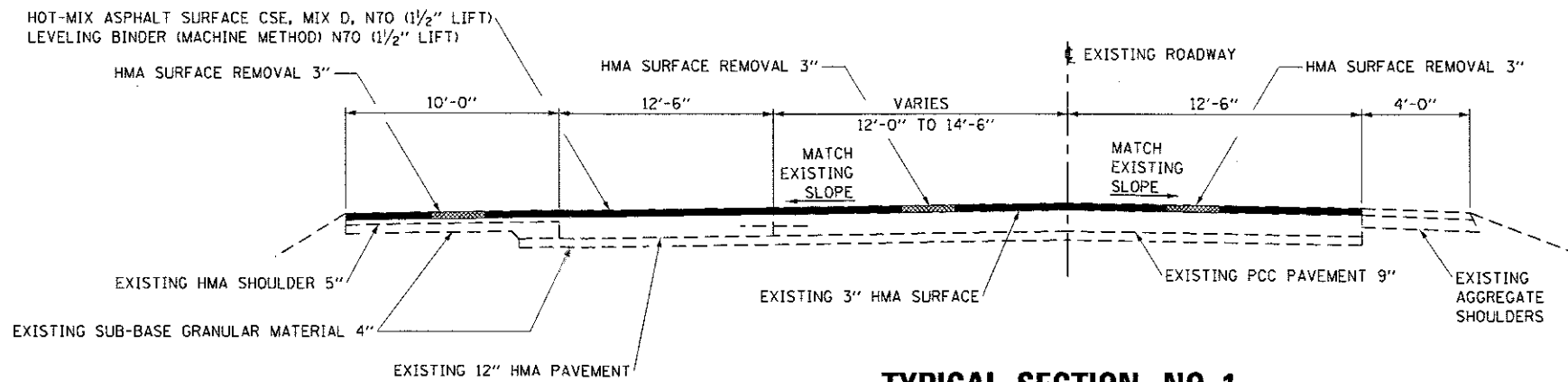
11
*SPECIALITY ITEMS

FILE NAME =	USER NAME = woodshenkr1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE. 591	SECTION (12)RS-5	COUNTY KENDALL	TOTAL SHEETS 12	SHEET NO. 4
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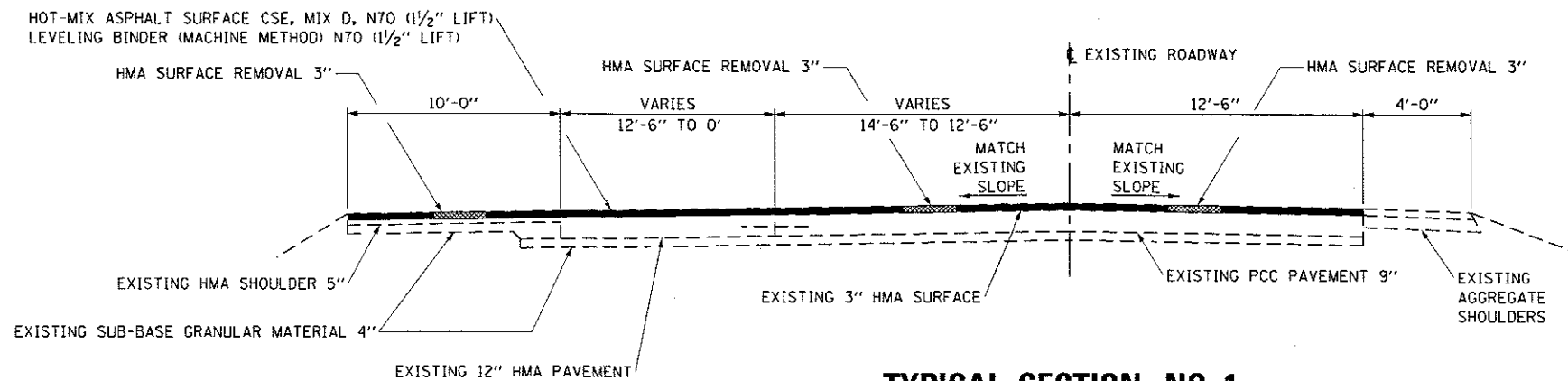
REV



TYPICAL SECTION NO. 1
STA. 608+39 TO STA. 610+67



TYPICAL SECTION NO. 1
STA. 610+67 TO STA. 613+13



TYPICAL SECTION NO. 1
STA. 613+13 TO STA. 616+38

HMA MIXTURE REQUIREMENT TABLE

LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT
	HMA LEVEL BINDER 1 1/2" LIFT	HMA SURFACE 1 1/2" LIFT
BINDER GRADE (PG):	PG64-22	PG64-22
DESIGN AIR VOIDS:	4% @ N70	4% @ N70
MIXTURE COMPOSITION:	IL 9.5	IL 9.5
FRICTION AGGREGATE:		MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	OC/OA	OC/OA
SUBLOT SIZE:	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES/NUCLEAR

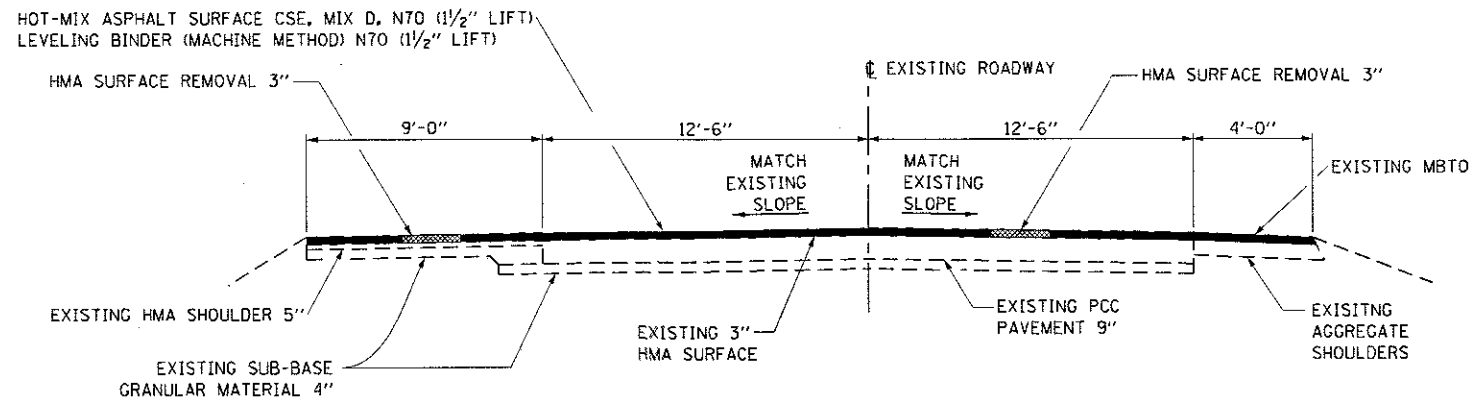
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

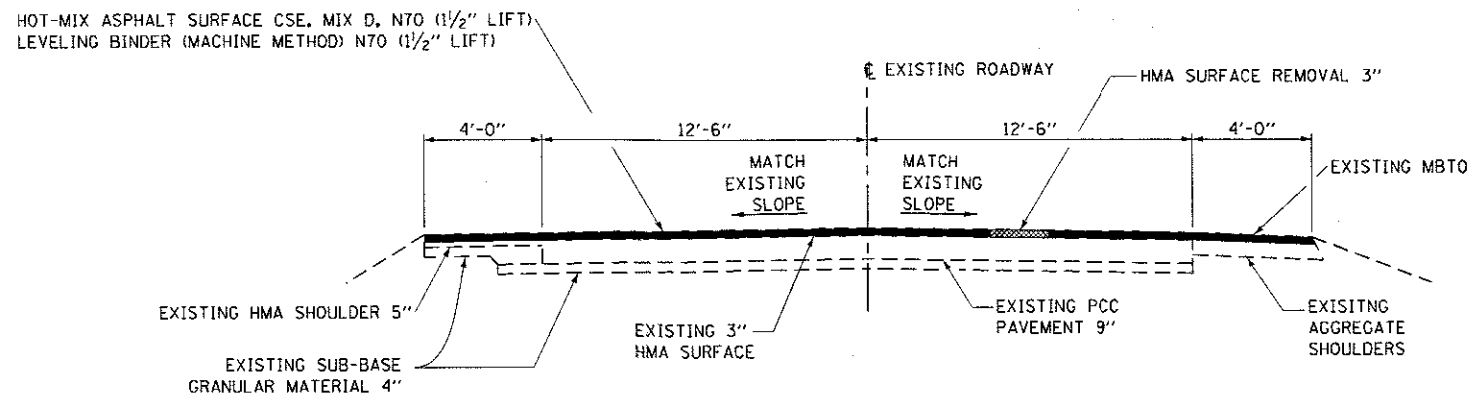
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CONTRACT NO. 66H41				
ILLINOIS FED. AID PROJECT				



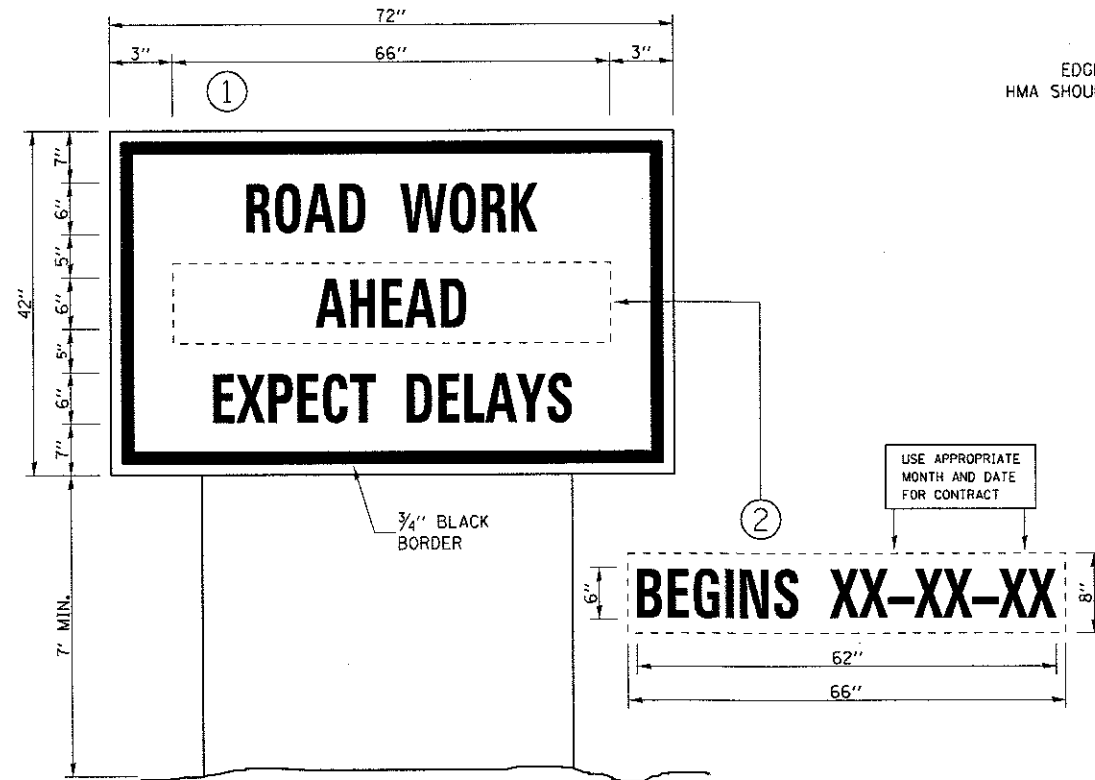
TYPICAL SECTION NO. 1
STA. 616 + 38 TO STA. 617 + 34

HMA MIXTURE REQUIREMENT TABLE

LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA LEVEL BINDER 1 1/2" LIFT	HMA SURFACE 1 1/2" LIFT
BINDER GRADE (PG):	PG64-22	PG64-22
DESIGN AIR VOIDS:	4% @ N70	4% @ N70
MIXTURE COMPOSITION:	IL 9.5	IL 9.5
FRICTION AGGREGATE:		MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES/NUCLEAR

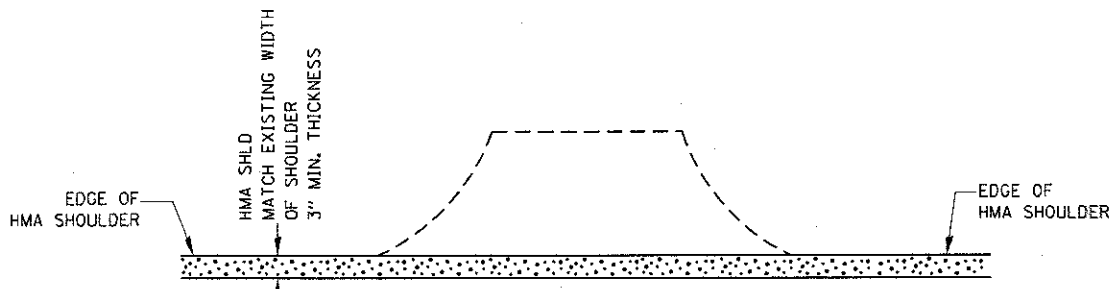


TYPICAL SECTION NO. 1
STA. 617 + 34 TO STA. 619 + 29



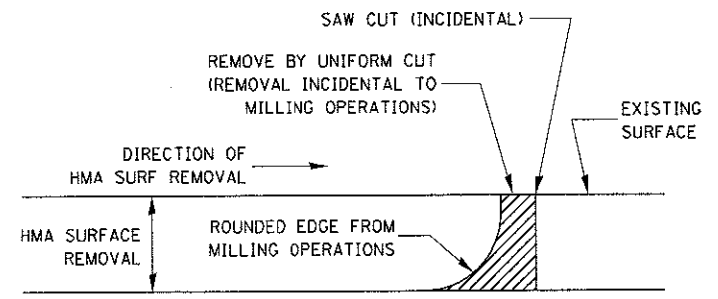
TEMPORARY INFORMATION SIGNING

- NOTES:**
1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
 2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
 3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
 4. REMOVE PANEL ② ON THAT DATE.
 5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
 6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



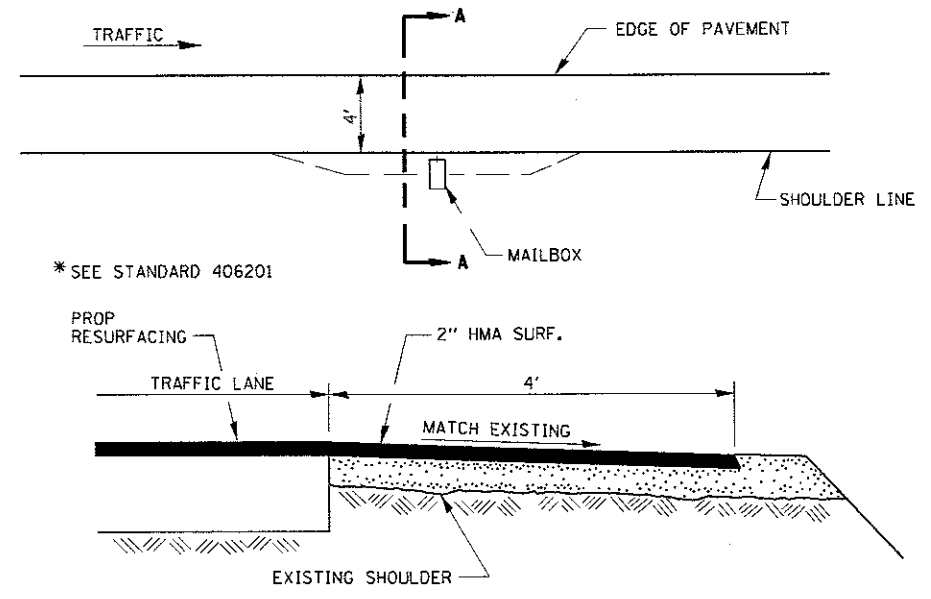
PLAN AT SIDE ROADS AND ENTRANCES

HOT-MIX ASPHALT ON SHOULDERS SHALL BE PAID FOR AS "HOT-MIX ASPHALT SHOULDERS 3'".



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

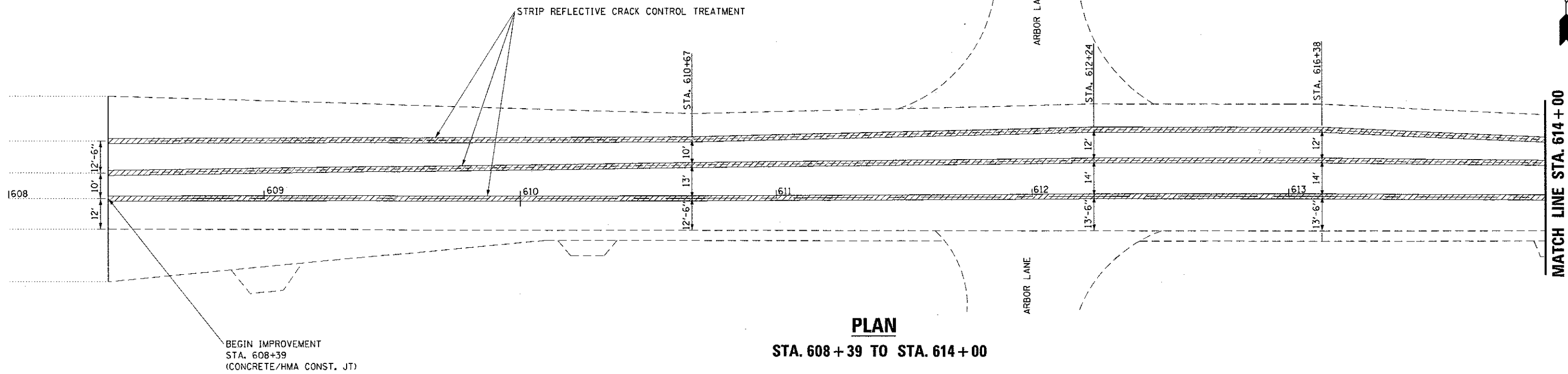


SECTION A-A

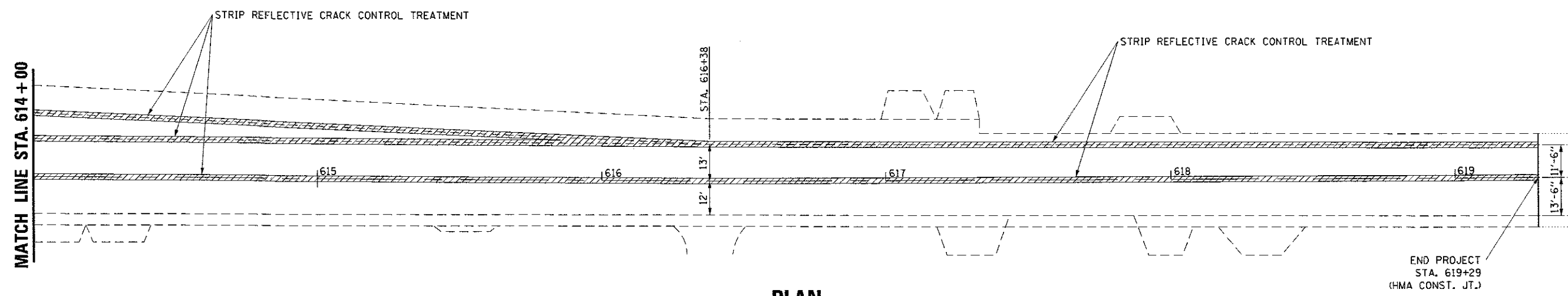
RURAL MAILBOX TURNOUT DETAILS

HOT-MIX ASPHALT FOR MAILBOX TURNOUTS SHALL BE PAID FOR AS "INCIDENTAL HOT-MIX ASPHALT SURFACING".

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 4/17/2017										

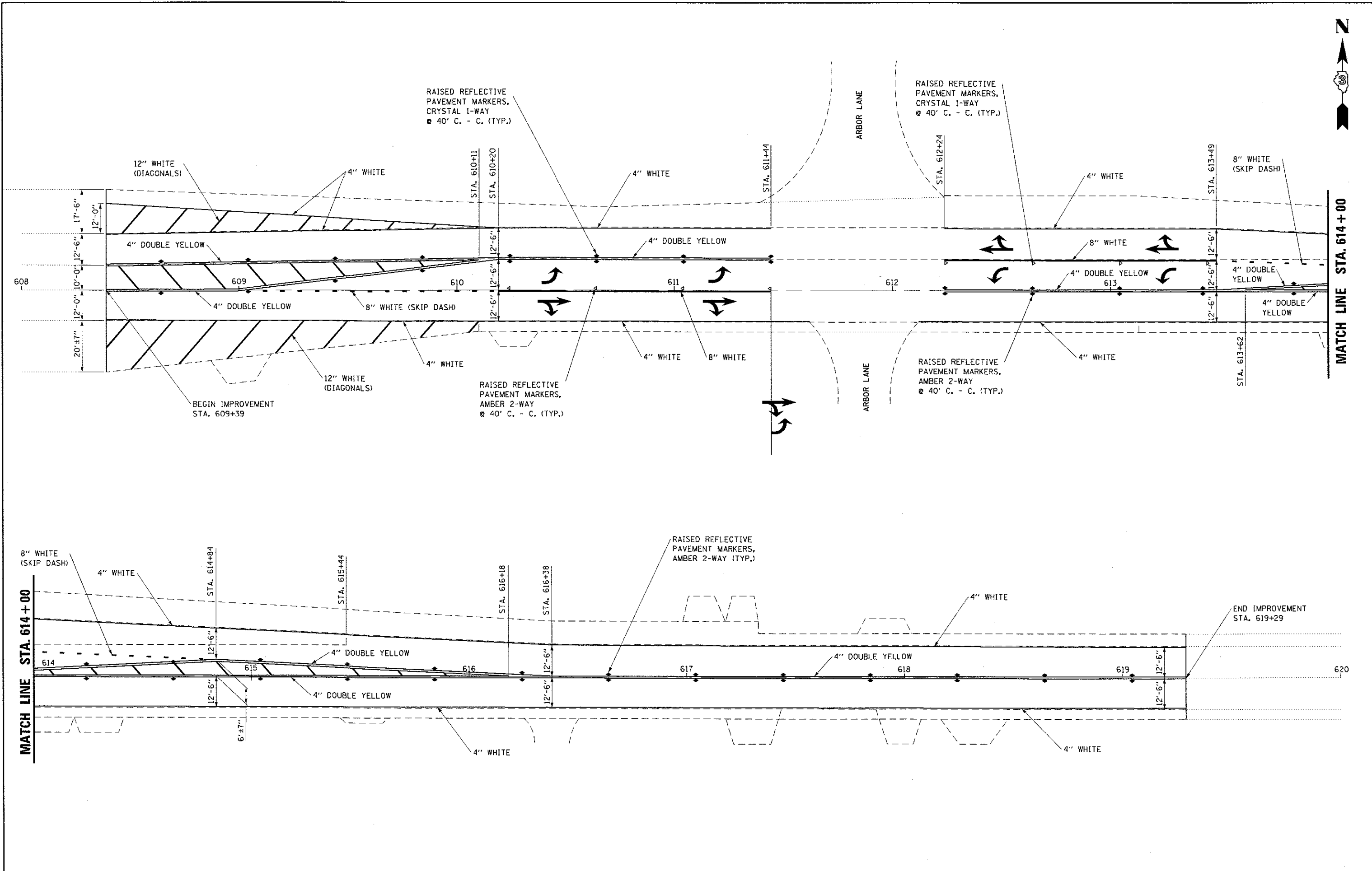


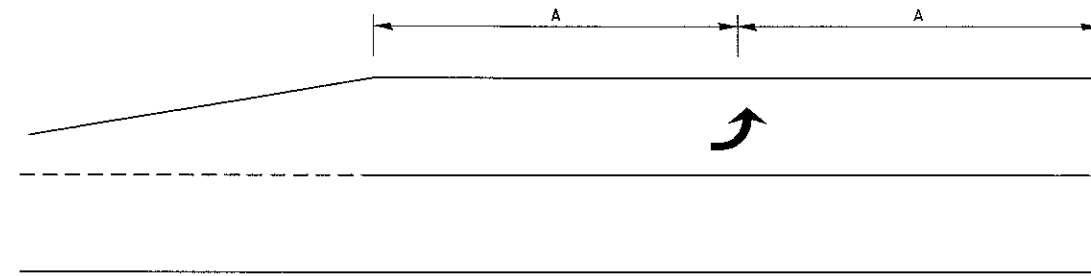
PLAN
STA. 608 + 39 TO STA. 614 + 00



PLAN
STA. 614 + 00 TO STA. 619 + 29

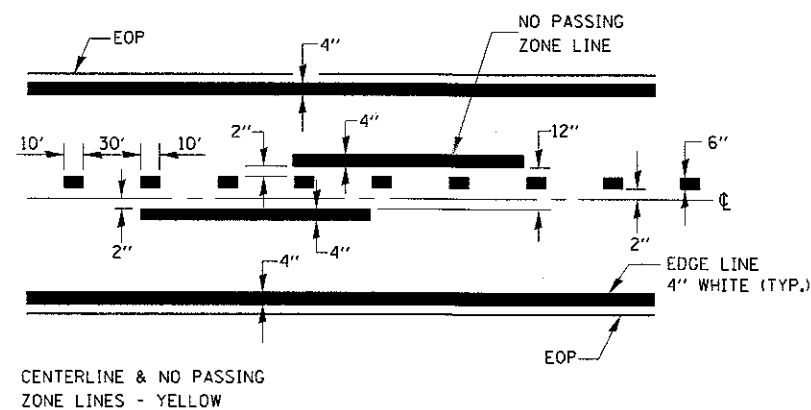
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						ILLINOIS FED. AID PROJECT					



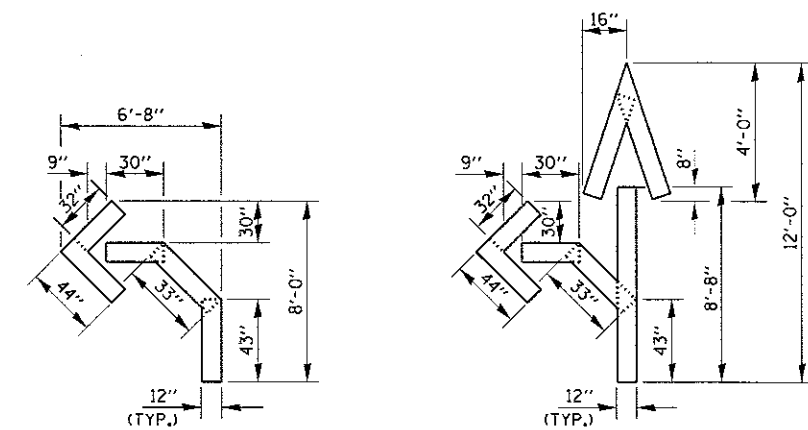


99' AND UNDER

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

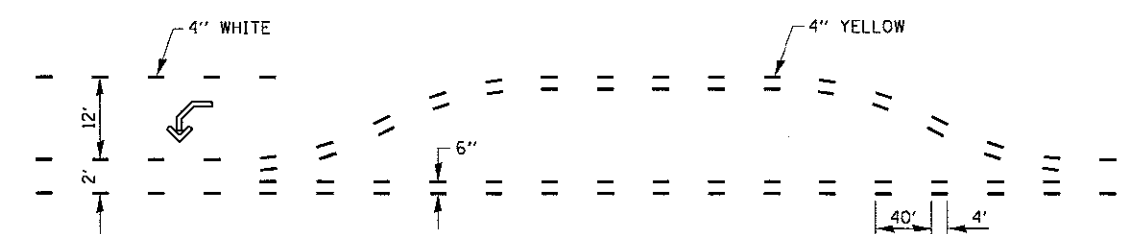


PAVEMENT MARKING



QUANTITY
12" LINE = 16 LIN FT
OR 4" LINE = 48 LIN FT

QUANTITY
12" LINE = 29 LIN FT
OR 4" LINE = 87 LIN FT



**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**

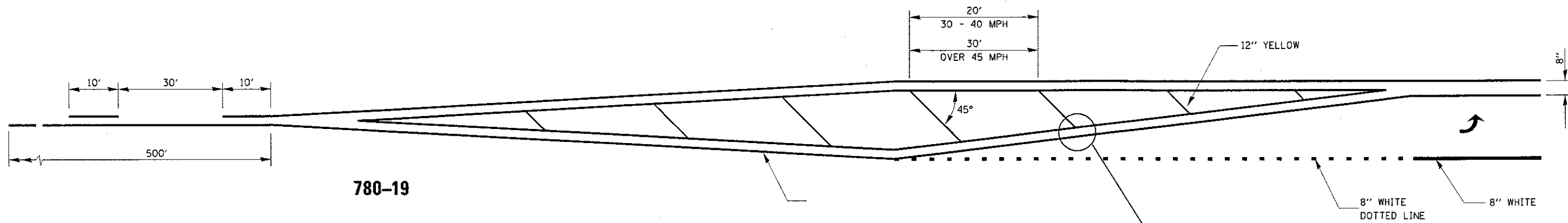
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

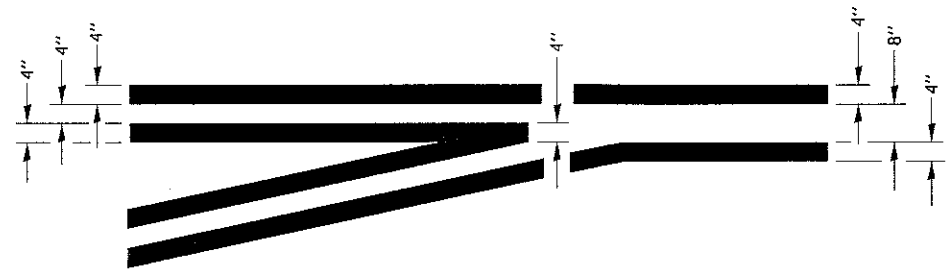
TYPICAL PAVEMENT MARKING

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(12)RS-5	KENDALL	12	11
CONTRACT NO. 66H41			ILLINOIS FED. AID PROJECT	

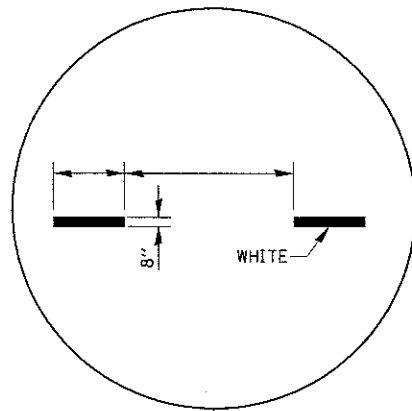
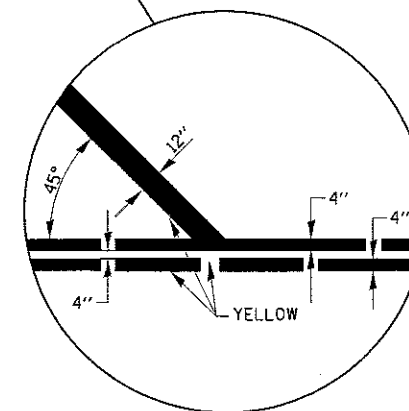


780-19



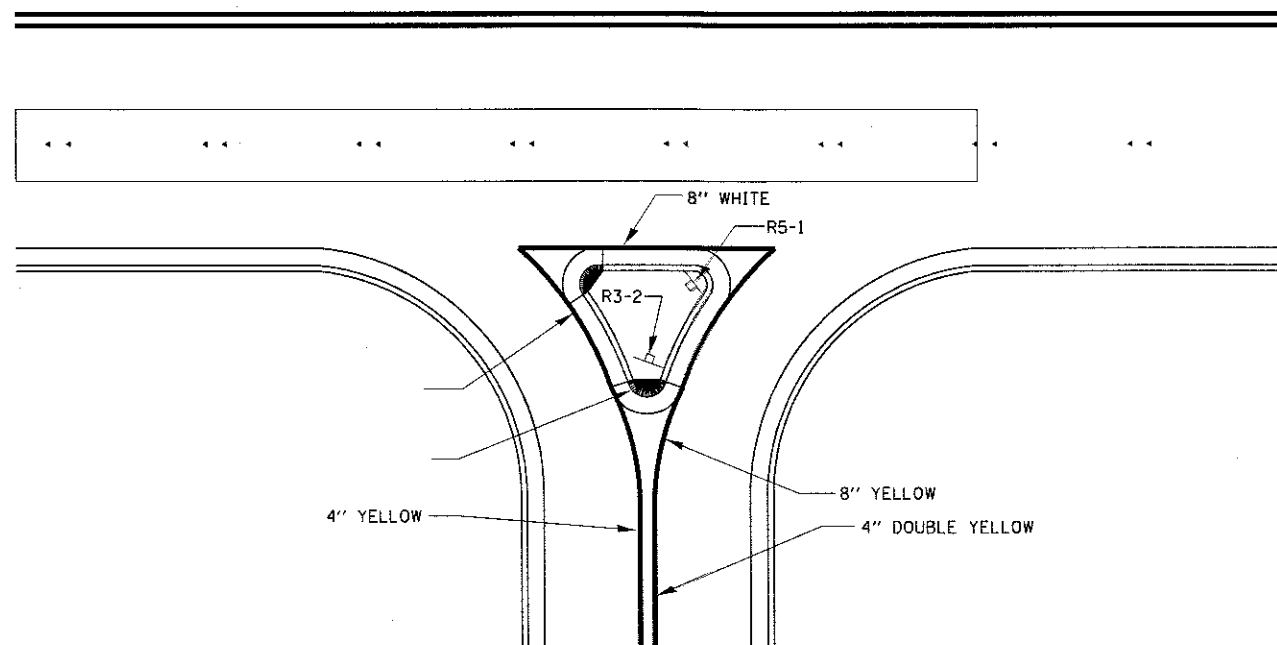
TYPICAL APPLICATION
LEFT TURN LANES

780-1

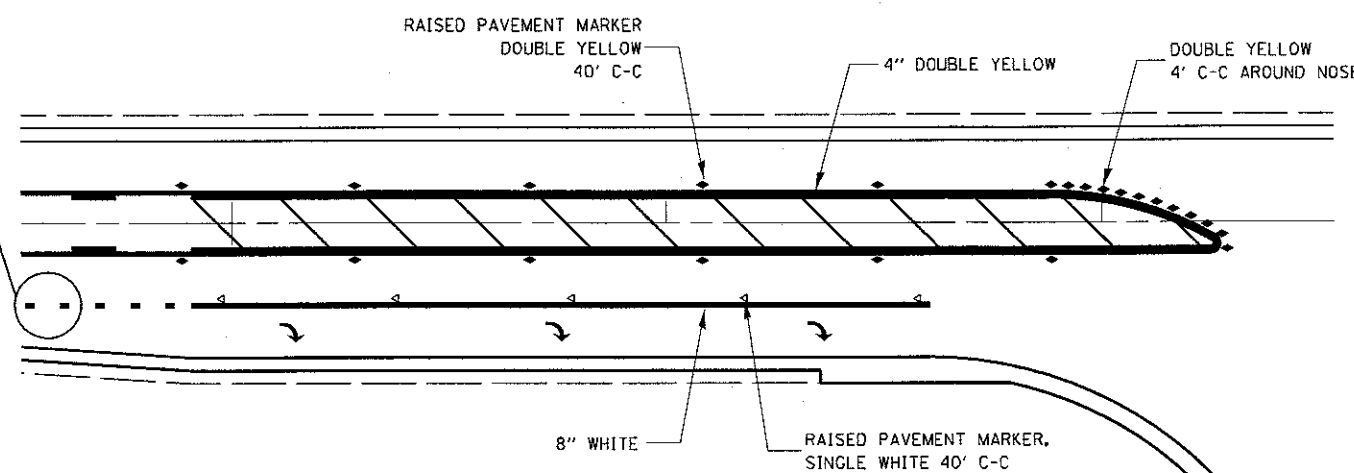


ADVANCE AND INTERSECTION LANE
DIVIDER LINES

URBAN PAVEMENT MARKING



RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING



RAISED REFLECTIVE AND PAVEMENT MARKERS
RIGHT TURN LANE

FILE NAME =	USER NAME = pletschtr	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 4/28/2017	REVISED -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					