

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	1
ILLINOIS CONTRACT NO. 66B97				

SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8-9	SCHEDULES
10	PERMANENT SURVEY MARKERS
11	IL 47 & IL 113 ISLAND DETAIL
12-21	DETAILS

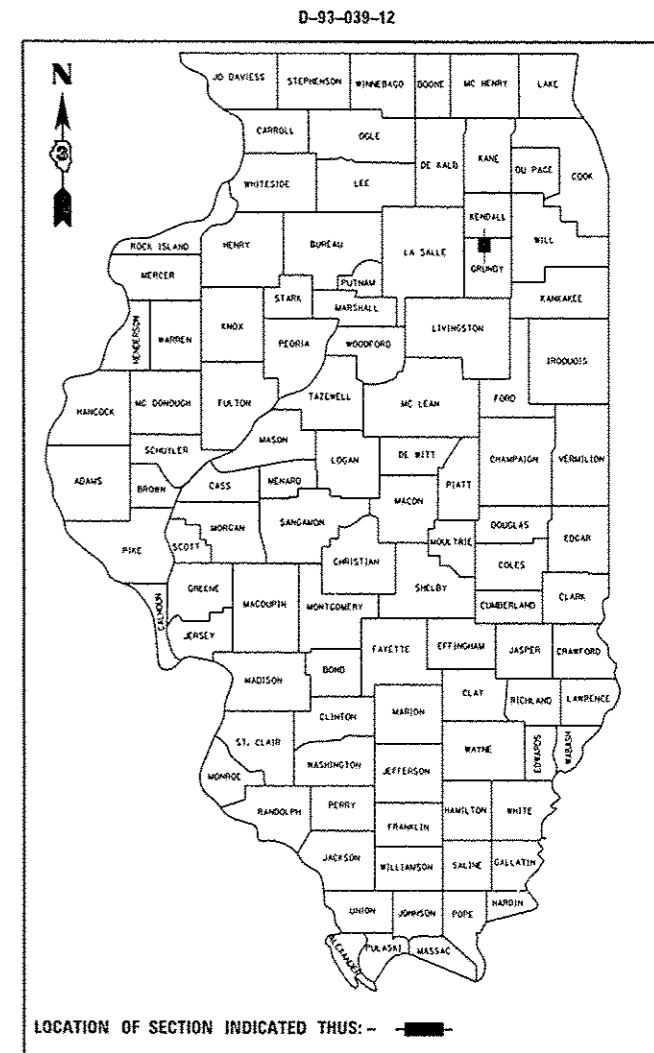
PROPOSED HIGHWAY PLANS

FAP ROUTE 326 (IL 47)
 SECTION 111 RS-3 & 118 RS-5
 PROJECT NHP-0326(100)
 3P MILLING AND RESURFACING
 GRUNDY COUNTY

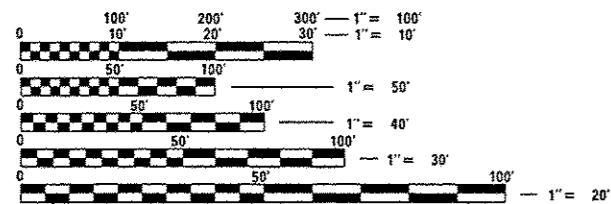
C-93-069-12

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
642006	SHOULDER RUMBLE STRIPS, 8 in.
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
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
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
814001-03	HANDHOLES
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION



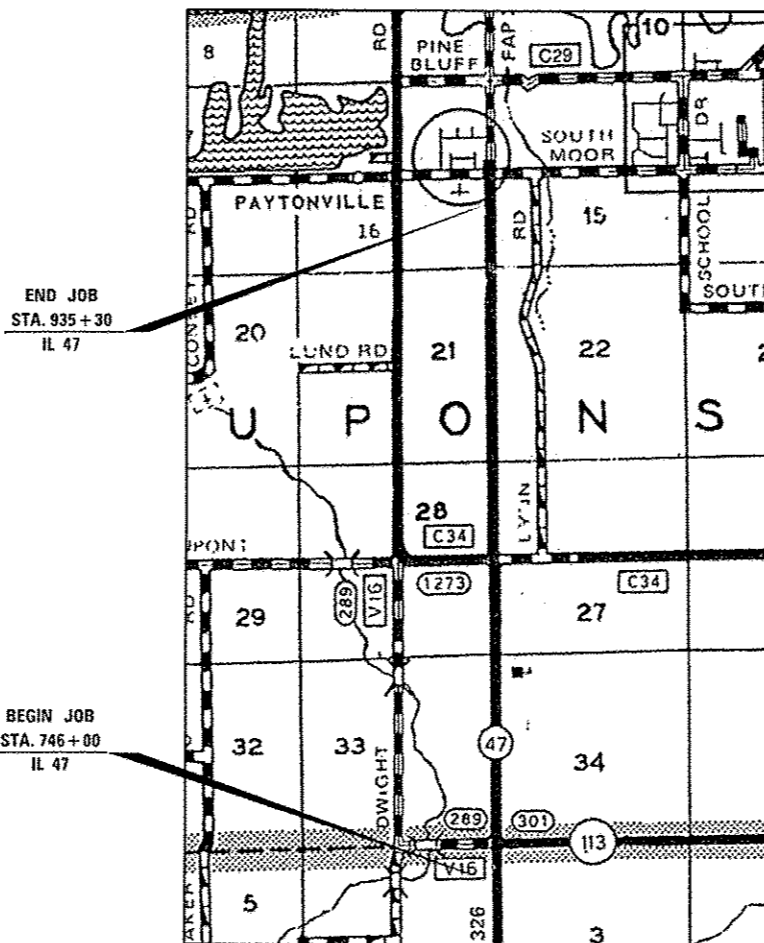
RURAL MAJOR ARTERIAL
 2015 ADT=9850
 P.V.=81% S.U.=8% M.U.=11%



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: DAVE ALEXANDER, P.E.
UNIT CHIEF: PAT BRABOY, P.E.
 DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66B97



GROSS LENGTH = 18930.00 FT. = 3.585 MILE
 NET LENGTH = 18930.00 FT. = 3.585 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 03/30 2017
Kevin Marchek (as)
 REGIONAL ENGINEER

May 12 2017
Maureen M. Adkins
 ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017
[Signature]
 DIRECTOR OF PROGRAM DEVELOPMENT

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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 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.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION

FURNISHED EXCAVATION AREAS ARE TO BE SEEDED WITH CLASS 2A SALT TOLERANT ROADSIDE MIXTURE, FERTILIZED, AND MULCHED; THESE ITEMS ARE NOT TO BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF FURNISHED EXCAVATION.

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.

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.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ASSOCIATED FLASHING BEACON PAY ITEMS.

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'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

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

TEMPORARY INFORMATION SIGNS SHALL BE PLACED ON IL 47 AT EACH END OF THE PROJECT AND ON IL 113 APPROACHING THE PROJECT AS DIRECTED BY THE ENGINEER.

TRAFFIC SIGNAL GENERAL NOTES

THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.

ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL PUSHED CONDUIT MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.

ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Tom Beaulieu
DISTRICT STUDIES & PLANS ENGINEER

DATE: 3-30-17

EXAMINED BY: Joseph Clough
DISTRICT CONSTRUCTION ENGINEER

Michael A. Short
DISTRICT MATERIALS ENGINEER

Tom H. H. H.
DISTRICT OPERATIONS ENGINEER

CONSTR. CODE
80/20 FED/ST

03/20/2017

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005 ✓	RURAL ✓
X0200003	PORTLAND CEMENT CONCRETE BASE COURSE 14 3/4"	SO YD	20.4	20.4	
20400800	FURNISHED EXCAVATION	CU YD	14	14	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	28	28	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	52274	52274	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	22	22	
40600537	LEVELING BINDER (HAND METHOD), IL-9.5FG, N70	TON	39	39	
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	3220	3220	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1406	1406	
40600990	TEMPORARY RAMP	SO YD	283	283	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	186	186	
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	6253	6253	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	86	86	
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	75417	75417	
44000100	PAVEMENT REMOVAL	SO YD	17.3	17.3	

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FILE NAME :	USER NAME : woodger.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
p:\1\1L084E81D\INTEG.illinois.gov\PIW001\Documents\DOT Offices\District 3\Projects\0366897\0366897\BA0\Sheets\0366897-shs-sched	DESIGNED -	REVISOR -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	326	111 RS-3 & 118 RS-5	GRUNDY	21	3
	CHECKED -	REVISED -	REVISED -						CONTRACT NO. 66B97						
	DATE -	REVISED -	REVISED -						ILLINOIS FED. AID PROJECT						

CONSTR. CODE
80/20 FED/ST

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0005	RURAL
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1349	1349	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
60608552	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	44	44	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	94	94	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	16965	16965	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	7	7	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	14180	14180	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1560	1560	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	265	265	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	57347	57347	

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FILE NAME :	USER NAME : woodyer.jp	DESIGNED -	REVISED -
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	PLOT SCALE : 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE : 3/30/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 11B RS-5	GRUNDY	21	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66897	

CONSTR. CODE

80/20 FED/ST

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	RURAL
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3789	3789	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	2081	2081	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1329	1329	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	99	99	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	265	265	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	57347	57347	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3789	3789	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2081	2081	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1329	1329	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	99	99	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	417	417	
78200020	CURB REFLECTORS	EACH	20	20	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	417	417	

14

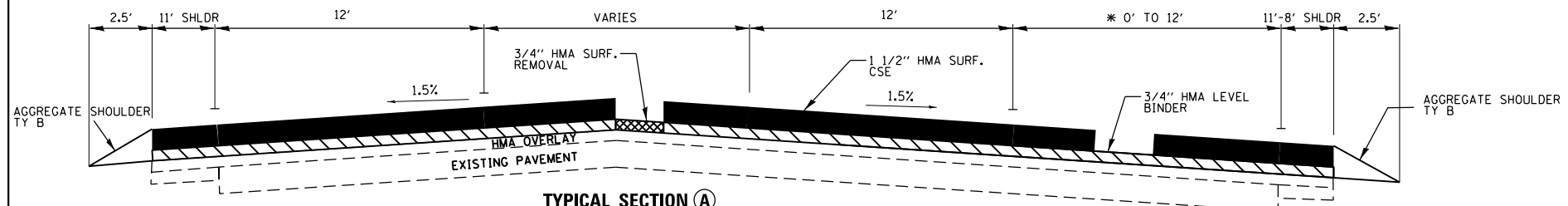
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

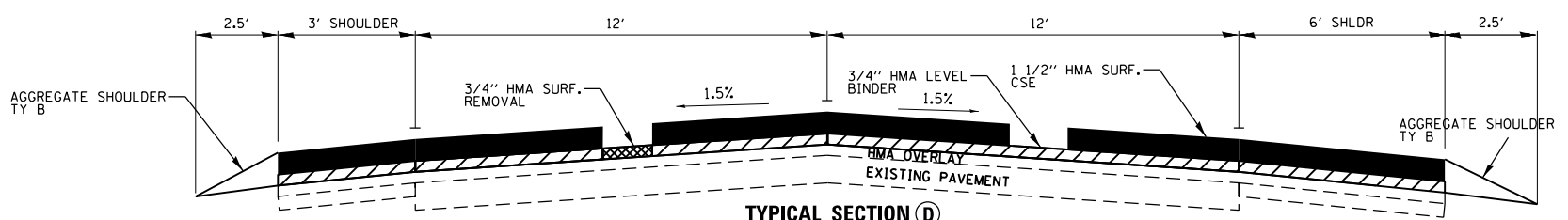
SCALE: SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

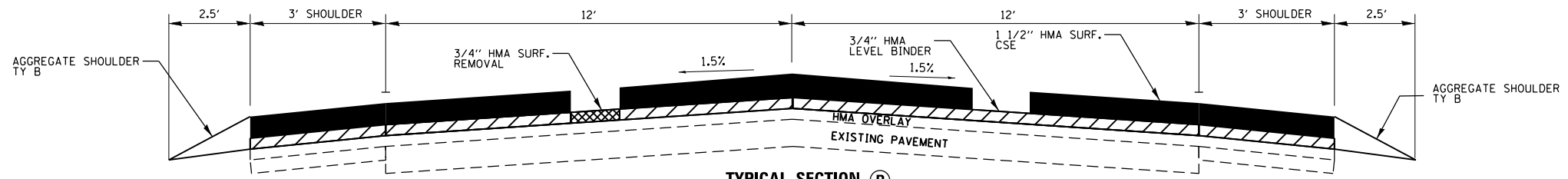
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	5
			CONTRACT NO. 66B97	
ILLINOIS FED. AID PROJECT				



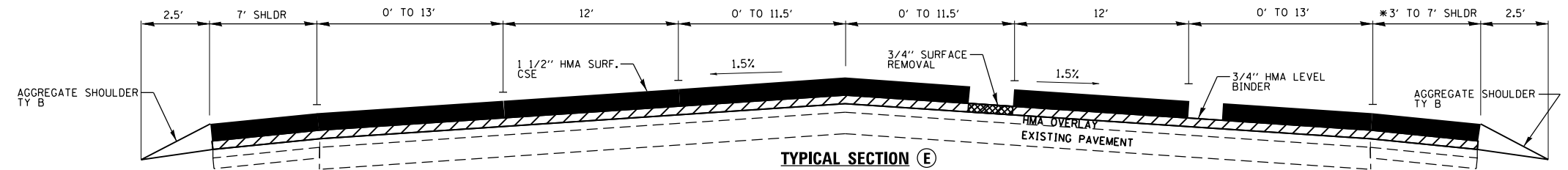
TYPICAL SECTION A
 STA. 746+00 TO STA. 766+13
 * STA. 750+42 TO STA. 752+21



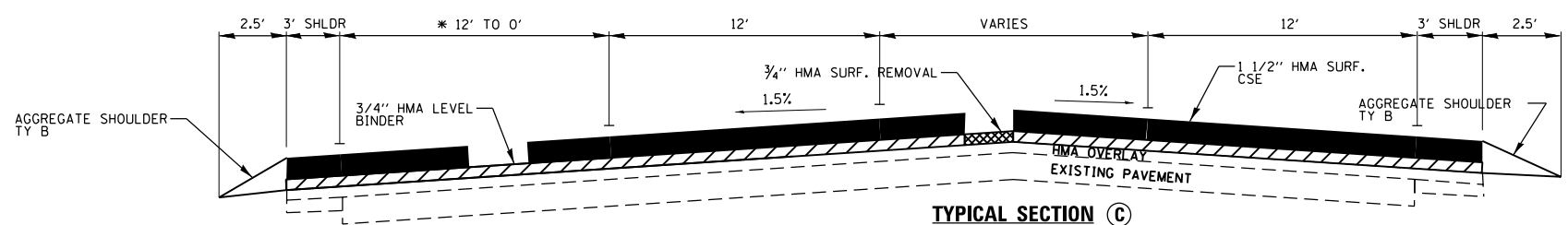
TYPICAL SECTION D
 STA. 895+90 TO STA. 910+16



TYPICAL SECTION B
 STA. 766+13 TO STA. 828+53
 STA. 842+15 TO STA. 895+90
 STA. 910+16 TO STA. 926+85



TYPICAL SECTION E
 STA. 926+85 TO STA. 935+30
 * STA. 928+90 TO STA. 929+10



TYPICAL SECTION C
 STA. 828+53 TO STA. 842+15
 * STA. 835+85 TO STA. 839+15

NOTES:

1. THERE WILL BE 8 in. RUMBLE STRIPS ON THE SHOULDERS FROM THE BEGINING STA. 746+00 TO DUPONT RD.

HMA MIXTURE REQUIREMENT TABLE				
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	IL 113 & DUPONT INTERSECTIONS	ENTIRE PROJECT
MIXTURE USE(S):	HMA LEVEL BINDER	POLYMER HMA SURFACE	HMA SURFACE	INCIDENTAL HMA
BINDER GRADE (PG):	PG 64-22	SBS PG 70-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N90	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5FG	IL 9.5	IL 9.5	IL 9.5
FRICTION AGGREGATE:		MIXTURE D	MIXURE D	MIXURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCP	QCP	QCOA	QCOA
SUBLOT SIZE:	1000	1000	NA	NA
DENSITY TEST METHOD:	% GROWTH CURVE	CORES	CORES	SATISFACTION OF ENGINEER

RESURFACING SCHEDULE												
LOCATION	PAV'T AREA	POLYMER HMA SURF N90 MIX "D"	LEVEL BINDER (MM)	HMA SURF REM 3/4"	HMA SURF REM BUTT JT	TEMP RAMP	BIT MAT'L TACK COAT	MIX FOR CRACKS, JOINTS & FLGWYS	LEVEL BINDER (HM)	AGG SHLD TY B	SHOULDER RUMBLE STRIPS, 8 IN.	LONGITUDINAL JOINT SEALANT
STA TO STA	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	LBS	TON	TON	TON	FOOT	FOOT
746+00 TO 766+13	13482	1132	566	13282	200	17	9100	4.04	6.74	144	3887	4026
766+13 TO 828+53	20800	1747	874	20800	0	0	14040	6.24	10.40	444	11908	12480
828+53 TO 842+15	6323	531	266	6323	0	0	4268	1.90	3.16	98	1170	2724
842+15 TO 895+90	17917	1505	753	17917	0	0	12094	5.38	8.96	383	0	10750
895+90 TO 910+16	5229	439	220	5229	2	0	3530	1.57	2.61	102	0	2852
910+16 TO 926+85	5563	467	234	5563	0	0	3755	1.67	2.78	119	0	3338
926+85 TO 935+30	5128	431	215	4541	587	50	3461	1.54	2.56	60	0	1690
TOTALS	74442	6253	3127	73655	789	67	50248	22	37	1349	16965	37860

FURNISHED EX SCHEDULE		
LOCATION	FURN. EXC	
SIDEROAD	QUAD	CU YD
IL 113	NE	3
	SE	2
	SW	2
	NW	1
DUPONT RD.	NE	1
	SE	1
	SW	2
	NW	2
TOTALS		14

FURNISHED EX AREAS TO BE SEEDED, FERTILIZED, AND MULCHED. THESE ITEMS NOT PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF FURNISHED EX'

PAVEMENT MARKING SCHEDULE														
LOCATION	THERMO PAVT MARKING 4"		THERMO PAVT MARK 6"		THERMO PVT MK 8"	THERMO PAVT MARK 12"		THERMO PVT MK 24"	THERMO PAVT MARK LETTERS & SYMB	RAISED REFLECT PAVT MARK	RAISED REFLECT PAVT MARK REM	CURB REFLECT	SHORT TERM PAVT MARK REM	SHORT TERM PAVT MARK 4"
	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	YELLOW	WHITE	SQ FT	EACH	EACH	EACH	SQ FT	FOOT
STA TO STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT						
•746+00 TO 766+13	4104	7682		0	1356	425	345	47	140	120	120	12	556	5051
766+13 TO 828+53	12480	2500		1560	0	0	0	0	0	78	78	0	206	1872
•828+53 TO 842+15	2854	4542		0	725	82	333	52	125	74	74	8	402	3650
842+15 TO 895+90	10750	500		1344	0	0	0	0	0	68	68	0	177	1613
895+90 TO 910+16	2852	700		357	0	0	0	0	0	18	18	0	47	428
910+16 TO 926+85	3338	650		418	0	0	0	0	0	21	21	0	55	501
926+85 TO 935+30	1690	2705		60	50	0	144	0	0	38	38	0	117	1065
TOTALS	38068	19279		60	3729	2081	507	822	99	417	417	20	1560	14180

*PICKED UP SIDE ROAD PAVEMENT MARKING W/IN STATIONING

3 APPLICATIONS OF SHORT TERM PAVT MARK

TEMP PAVEMENT MARKING SCHEDULE									
LOCATION	TEMP PAVT MARK 4"		TEMP PAVT MARK 6"		TEMP PAVT MARK 8"	TEMP PAVT MARK 12"		TEMP PAVT MARK 24"	TEMP PAVT MARK LETTERS & SYMB
	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	YELLOW	WHITE	SQ FT
STA TO STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	
•746+00 TO 766+13	4104	7682	0	0	1356	425	345	47	140
766+13 TO 828+53	12480	2500	0	1560	0	0	0	0	0
•828+53 TO 842+15	2854	4542	0	0	725	82	333	52	125
842+15 TO 895+90	10750	500	0	1344	0	0	0	0	0
895+90 TO 910+16	2852	700	0	357	0	0	0	0	0
910+16 TO 926+85	3338	650	0	418	0	0	0	0	0
926+85 TO 935+30	1690	2705	60	50	0	0	144	0	0
TOTALS	38068	19279	60	3729	2081	507	822	99	265

*PICKED UP SIDE ROAD PAVEMENT MARKING W/IN STATIONING

DRAINAGE SCHEDULE		
LOCATION	FRAMES & LIDS TO BE ADJUSTED	
STATION	OFFSET	EACH
835+00	40' LT	1
TOTALS		1

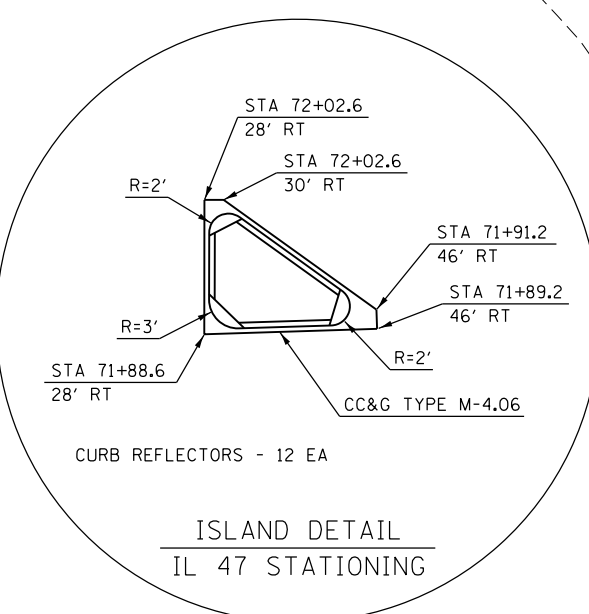
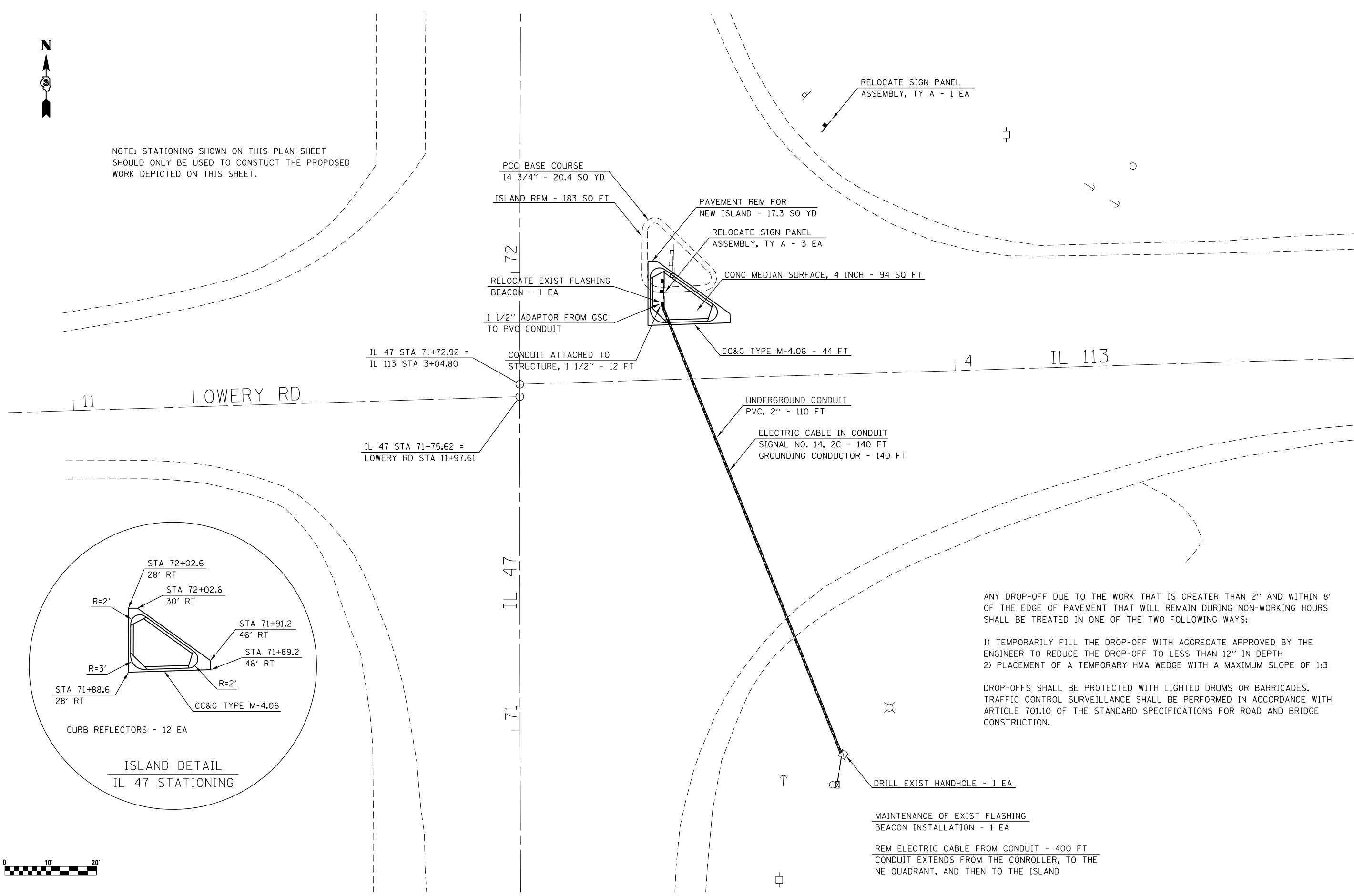
GROOVING SCHEDULE				
LOCATION			GROOVING FOR RECESSED PAVEMENT MARKING	
STA	TO	STA	9"	25"
ENTIRE PROJECT			FOOT	FOOT
TOTAL			2081	99

ENTRANCE, MAILBOX AND SIDEROAD SCHEDULE

LOCATION	TYPE	WIDTH FT	LENGTH FT	AREA SQ YD	EXISTING MAT'L	HMA SURF REM 3/4"	HMA SURF REM BUTT JNT.	BIT MAT'L TACK COAT	INCIDENTAL HMA SURF.	HMA SURF CSE MIX "D" N70	AGG SURFACE CRS, TY B	LEVEL BINDER MACHINE METH	LEVEL BINDER HAND METH	TEMPORARY RAMPS
						SQ YD	SQ YD	LB	TON	TON	TON	TON	TON	SQ YD
755+81	IL 113 RT			967.0	HMA	827.0	140.0	652.7		81.2		40.6	0.5	32.0
755+81	IL 113 LT			250.0	HMA	100.0	150.0	168.8		21.0		10.5	0.1	28.0
768+48.20	CE LT													
775+09.51	PE LT	16.0	10.0	30.0	HMA		7.1	13.5	2.5					7.1
779+55.70	FE RT	16.0	4.0	30.0	AGG			13.5			2.6			
779+55.70	PE LT	12.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			5.3
781+03.34	PE LT	17.0	10.0	30.0	HMA/AGG			13.5	2.5		0.6			7.6
789+00.57	PE LT	14.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			6.2
797+86.39	MBT RT	4.0	75.0	34.0	HMA		33.3	15.3	2.9					1.8
799+37.30	PE RT	12.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			5.3
799+40.58	PE LT	12.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			5.3
803+50.68	PE LT	11.0	10.0	25.0	HMA		4.9	11.3	2.1					4.9
805+08.16	FE LT													
805+80.34	CE RT	25.0	10.0	35.0	HMA		11.1	15.8	2.9					11.1
806+13.15	PE LT	14.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			
808+00.15	FE LT													
821+74.81	PE RT	24.0	10.0	35.0	HMA/AGG			15.8	2.9		0.9			
823+48.69	FE RT	16.0	10.0	30.0	HMA		7.0	13.5	2.5					
827+68.63	PE RT	14.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			
835+33.06	DUPONT RD RT			305.0	HMA	238.0	67.0	205.9		25.6		12.8	0.2	17.0
835+33.06	DUPONT RD LT			685.0	HMA	597.0	88.0	462.4		57.5		28.8	0.3	19.0
839+36.60	PE LT	15.0	10.0	30.0	HMA/AGG			13.5	2.5		0.6			
841+99.06	PE LT	15.0	4.0	30.0	AGG			13.5			2.6			
843+83.86	PE LT	15.0	10.0	30.0	HMA/AGG			13.5	2.5		0.6			
844+35.28	PE LT	14.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			
848+61.78	FE LT													
849+00.32	PE LT	16.0	10.0	30.0	HMA/AGG			13.5	2.5		0.6			
875+55.32	CE RT	16.0	4.0	30.0	AGG			13.5			2.6			
877+92.92	CE LT	16.0	10.0	30.0	HMA		7.1	13.5	2.5					7.1
880+30.52	PE RT													
882+24.60	PE RT	20.0	10.0	35.0	HMA/AGG			15.8	2.9		0.8			
884+21.45	CE RT	22.0	10.0	35.0	HMA		9.8	15.8	2.9					9.8
887+64.65	CE RT	20.0	10.0	35.0	HMA		9.8	15.8	2.9					9.8
888+93.89	FE RT													
895+63.17	PE RT	16.0	10.0	30.0	HMA/AGG			13.5	2.5		0.6			
896+84.56	PE RT	14.0	10.0	16.0	HMA/AGG			7.2	1.3		0.5			
898+15.79	PE RT	14.0	10.0	16.0	HMA/AGG			7.2	1.3		0.5			
899+53.59	PE RT	18.0	10.0	20.0	HMA		8.0	9.0	1.7					8.0
899+96.24	PE RT	14.0	10.0	16.0	HMA		6.3	7.2	1.3					6.3
901+57.00	PE RT	14.0	10.0	16.0	HMA		6.3	7.2	1.3					6.3
902+84.95	PE RT	17.0	10.0	19.0	HMA		7.6	8.6	1.6					7.6
903+50.56	PE RT	13.0	10.0	15.0	HMA/AGG			6.8	1.3		0.5			
904+88.36	PE RT	11.0	10.0	13.0	HMA		4.9	5.9	1.1					4.9
906+16.31	PE RT	13.0	10.0	15.0	HMA		5.8	6.8	1.3					5.8
907+21.29	PE RT	14.0	10.0	16.0	HMA/AGG			7.2	1.3		0.5			
908+95.18	PE RT	16.0	10.0	18.0	HMA/AGG			8.1	1.5		0.6			
910+16.57	PE RT	12.0	4.0	14.0	AGG			6.3			1.2			
910+16.57	SQUIRES TRL LT	20.0	4.0	23.0	AGG			10.4			2.0			
912+13.41	PE RT	11.0	10.0	25.0	HMA/AGG			11.3	2.1		0.4			
916+76.01	PE RT	18.0	10.0	30.0	HMA		8.0	13.5	2.5					
917+31.78	FE LT	12.0	10.0	25.0	HMA/AGG			11.3	2.1		0.5			
921+80.58	CE LT	40.0	4.0	40.0	AGG			18.0			3.4			
924+04.34	PE LT	12.0	10.0	25.0	HMA		5.4	11.3	2.1					
928+30.85	PE LT	12.0	10.0	14.0	HMA/AGG			6.3	1.2		0.5			
929+65.36	PE LT	12.0	10.0	14.0	HMA		5.4	6.3	1.2					
929+98.17	PE LT	12.0	10.0	14.0	HMA		5.4	6.3	1.2					
930+44.10	PE LT	15.0	10.0	17.0	HMA		6.7	7.7	1.4					
930+96.90	PE LT	15.0	10.0	17.0	HMA		6.7	7.7	1.4					
931+22.84	PE LT	12.0	10.0	14.0	HMA		5.4	6.3	1.2					
932+28.44	FE LT	15.0	4.0	17.0	AGG						1.5			
TOTALS						1762.0	617.1	2025.7	86.0	185.4	27.9	92.7	1.1	216.3



NOTE: STATIONING SHOWN ON THIS PLAN SHEET SHOULD ONLY BE USED TO CONSTRUCT THE PROPOSED WORK DEPICTED ON THIS SHEET.



ANY DROP-OFF DUE TO THE WORK THAT IS GREATER THAN 2" AND WITHIN 8' OF THE EDGE OF PAVEMENT THAT WILL REMAIN DURING NON-WORKING HOURS SHALL BE TREATED IN ONE OF THE TWO FOLLOWING WAYS:

- 1) TEMPORARILY FILL THE DROP-OFF WITH AGGREGATE APPROVED BY THE ENGINEER TO REDUCE THE DROP-OFF TO LESS THAN 12" IN DEPTH
- 2) PLACEMENT OF A TEMPORARY HMA WEDGE WITH A MAXIMUM SLOPE OF 1:3

DROP-OFFS SHALL BE PROTECTED WITH LIGHTED DRUMS OR BARRICADES. TRAFFIC CONTROL SURVEILLANCE SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 701.10 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



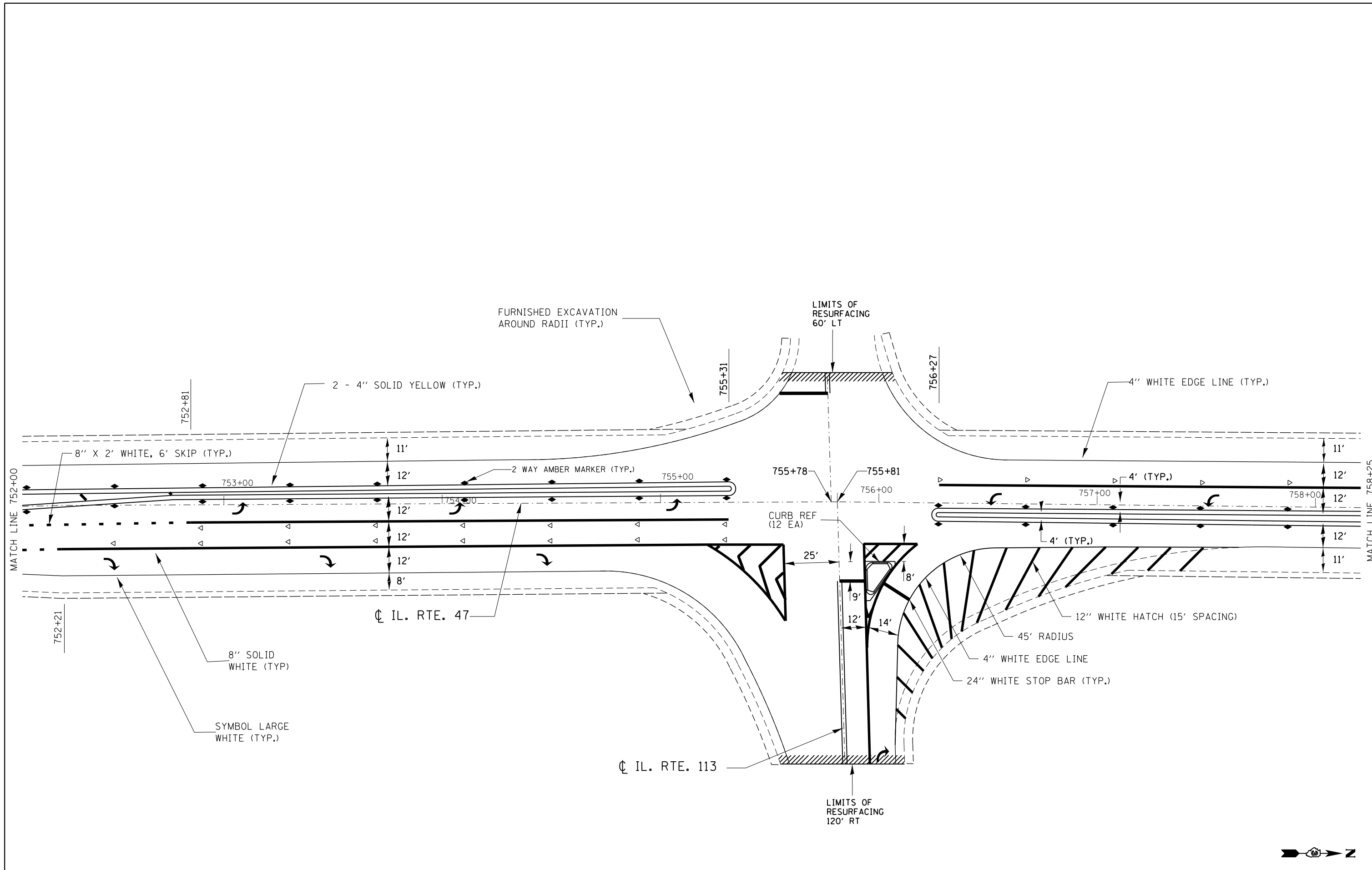
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 47 & IL 113 ISLAND DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	11
CONTRACT NO. 66897				
ILLINOIS FED. AID PROJECT				

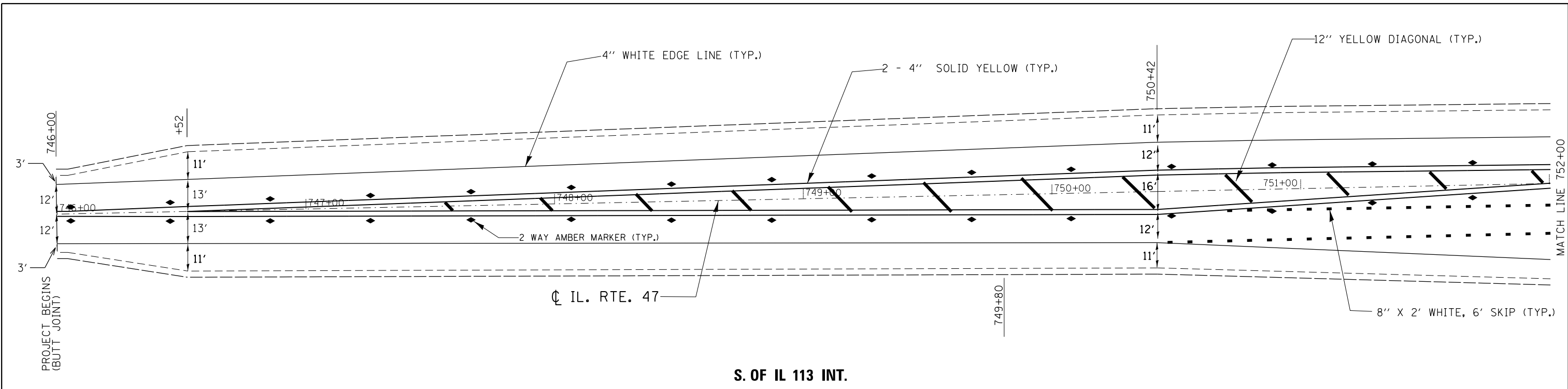


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		DATE -	REVISED -

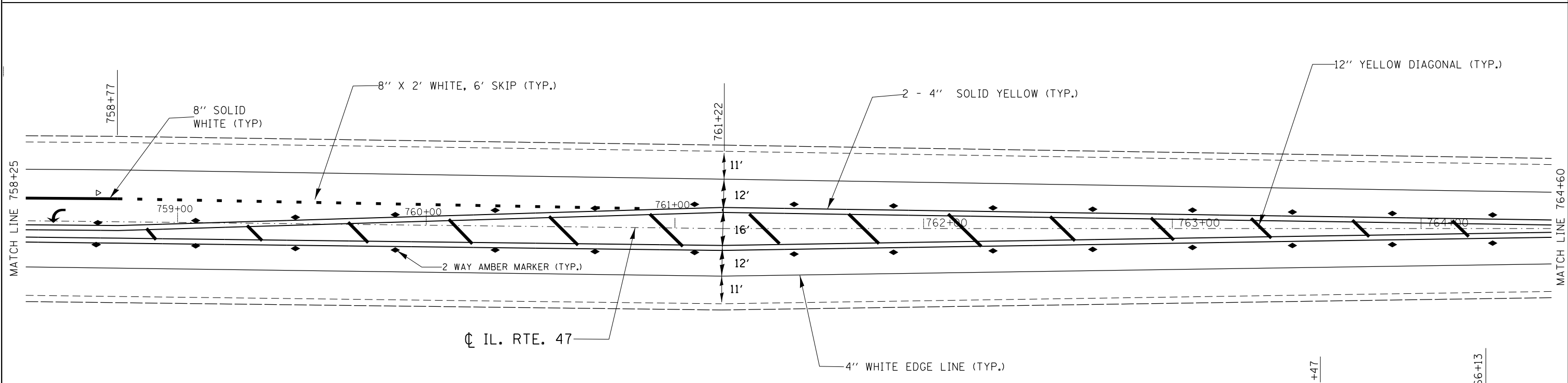
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 113 DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

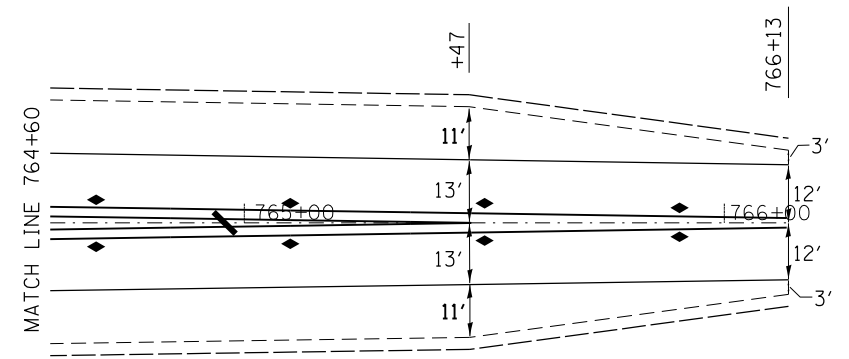
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	12
CONTRACT NO. 66897				
ILLINOIS FED. AID PROJECT				



S. OF IL 113 INT.



N. OF IL 113 INT.



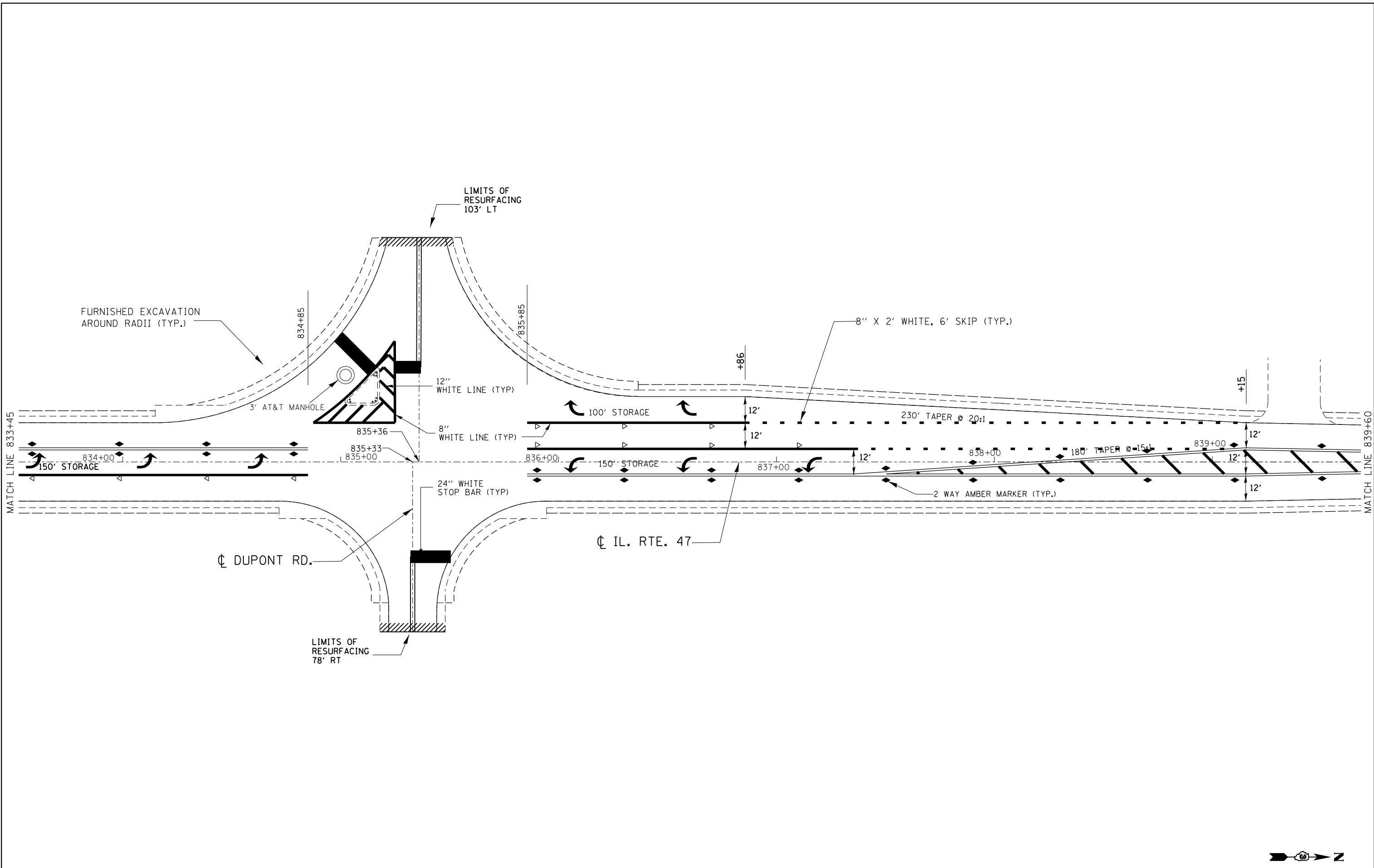
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 113 DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	13
CONTRACT NO. 66897				
ILLINOIS FED. AID PROJECT				



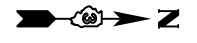


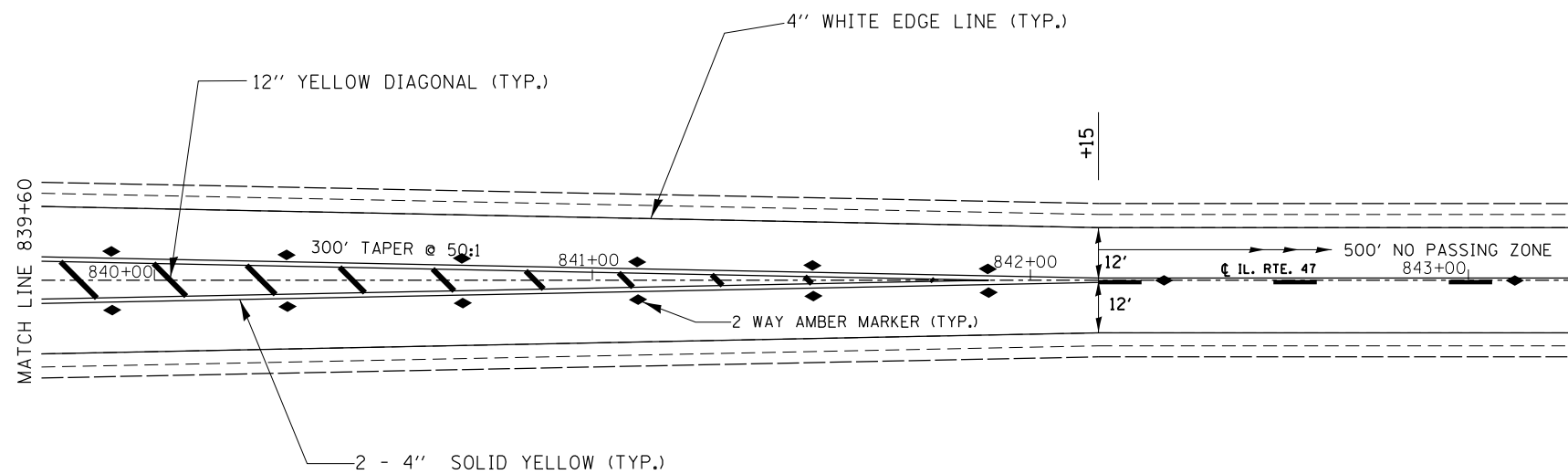
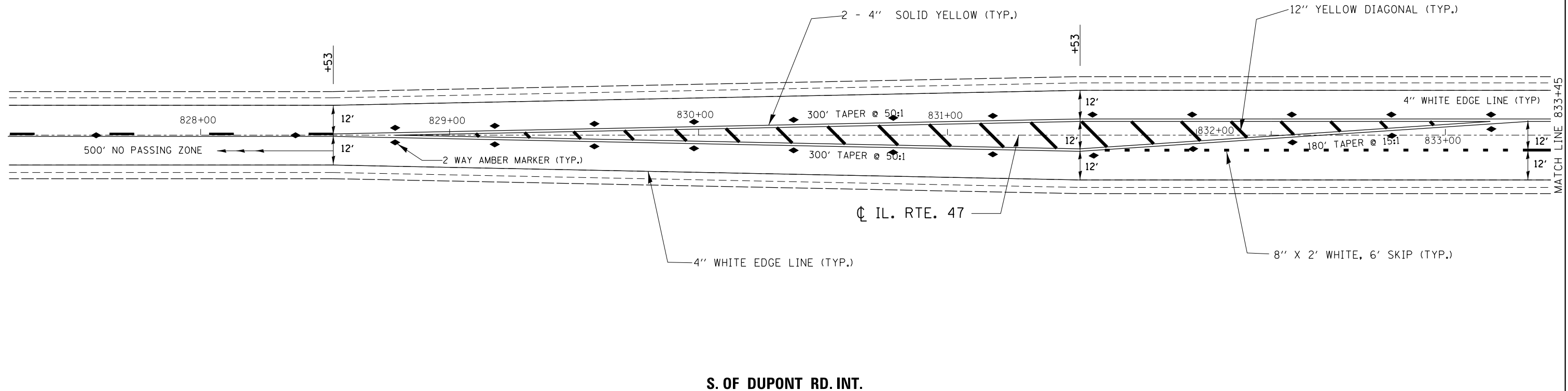
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DUPONT RD DETAILS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	14
CONTRACT NO. 66897				
ILLINOIS FED. AID PROJECT				





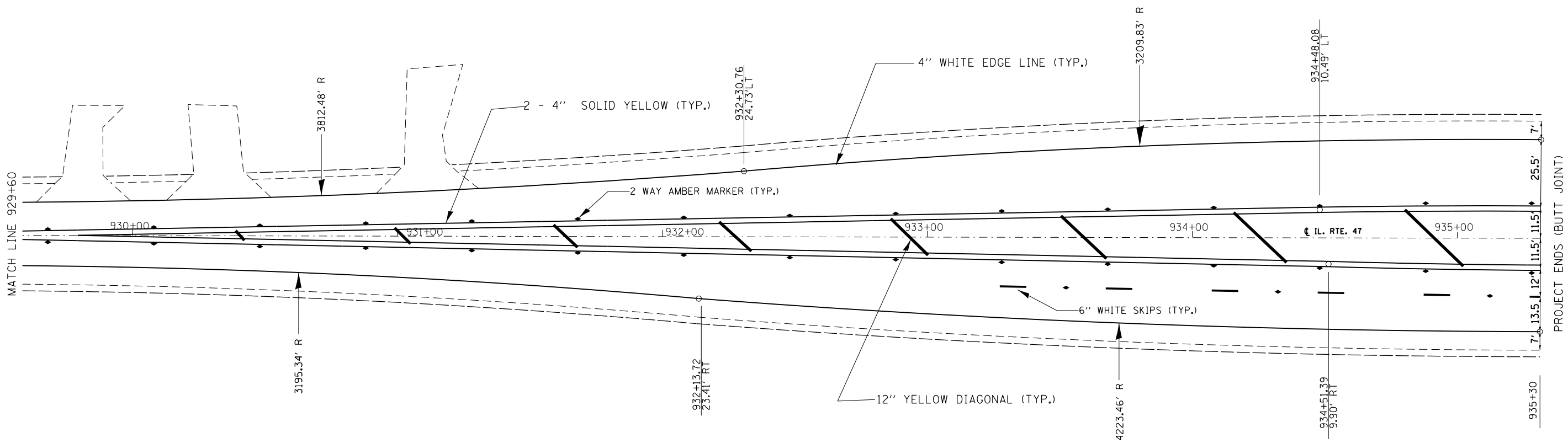
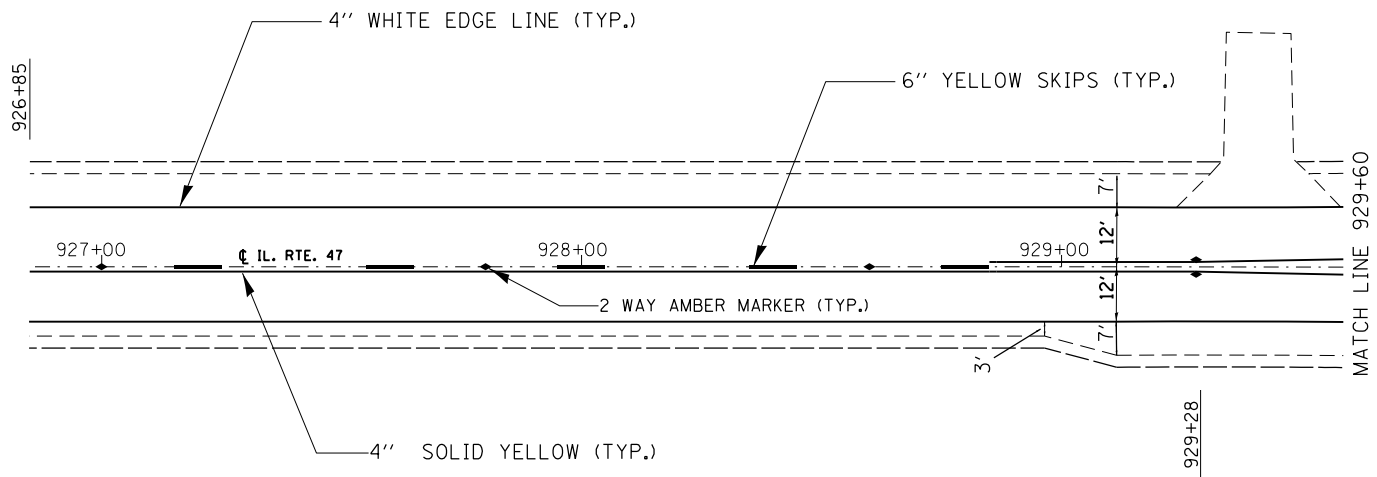
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DUPONT RD DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	15
CONTRACT NO. 66897				
ILLINOIS FED. AID PROJECT				

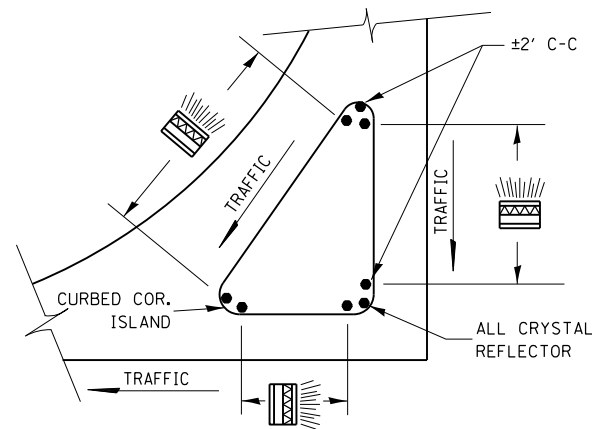


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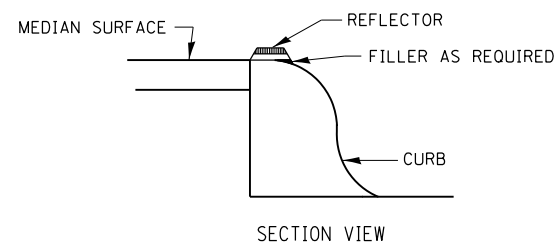
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

END OF JOB DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	16
CONTRACT NO. 66B97				
ILLINOIS FED. AID PROJECT				

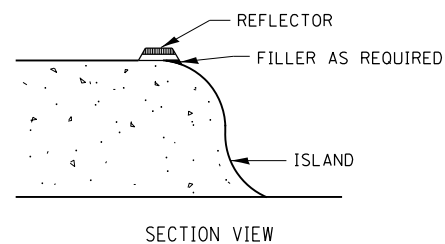


CURB REFLECTORS



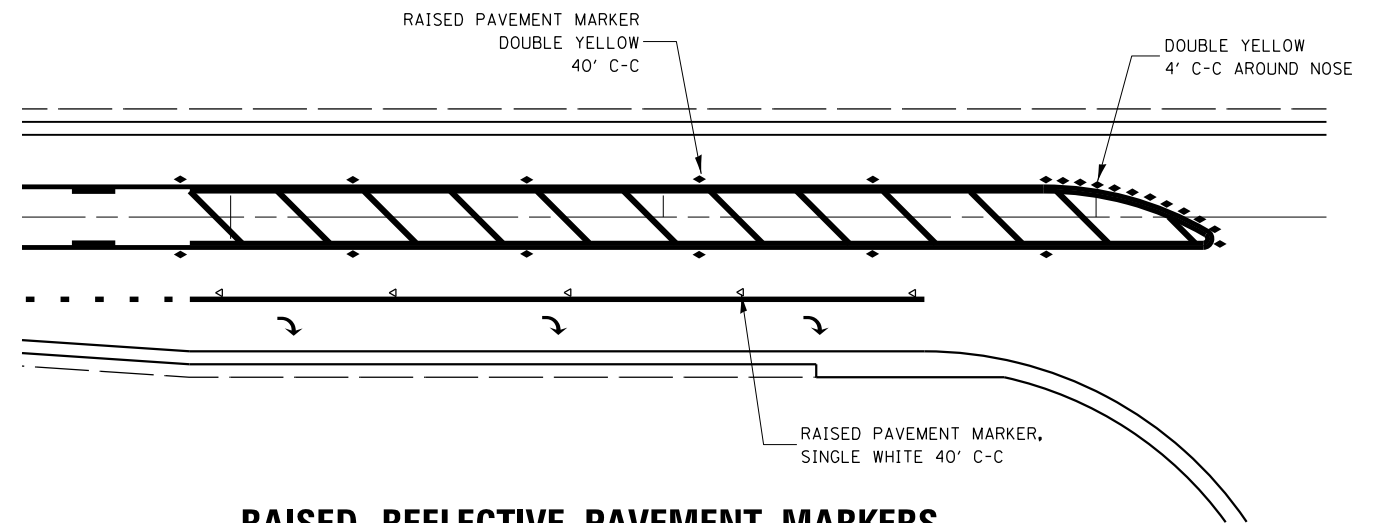
NOTES

1. CURB REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. CURB REFLECTORS SHALL BE SECURED IN PLACE WITH AN ADHESIVE.
3. CURB REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

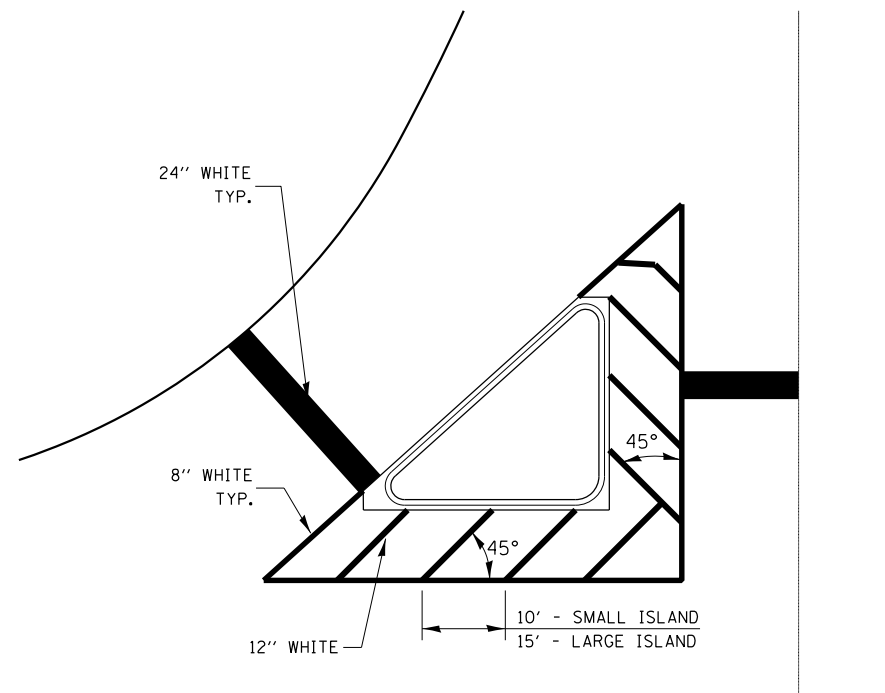


NOTES

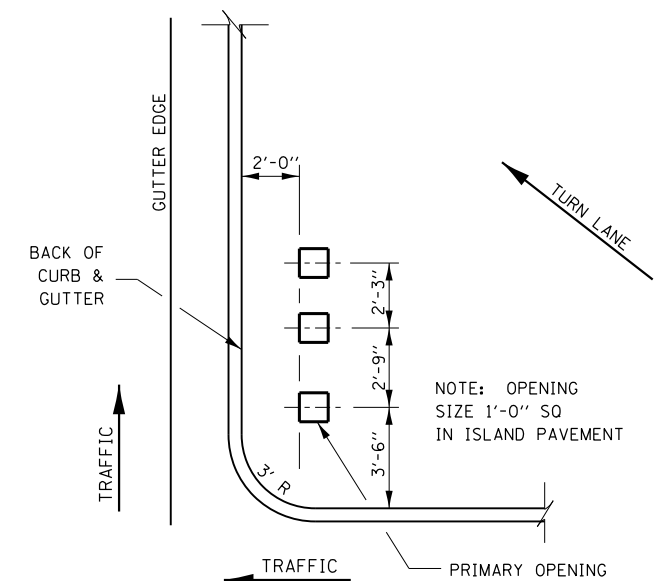
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2. CURB REFLECTORS SHALL BE SECURED IN PLACE WITH AN ADHESIVE.
3. CURB REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



**RAISED REFLECTIVE PAVEMENT MARKERS
RIGHT TURN LANE**



TYPICAL ISLAND



ISLAND SIGN POST SPACING DETAIL

NOTE: THE ENGINEER SHALL DETERMINE THE NUMBER OF OPENINGS REQUIRED.

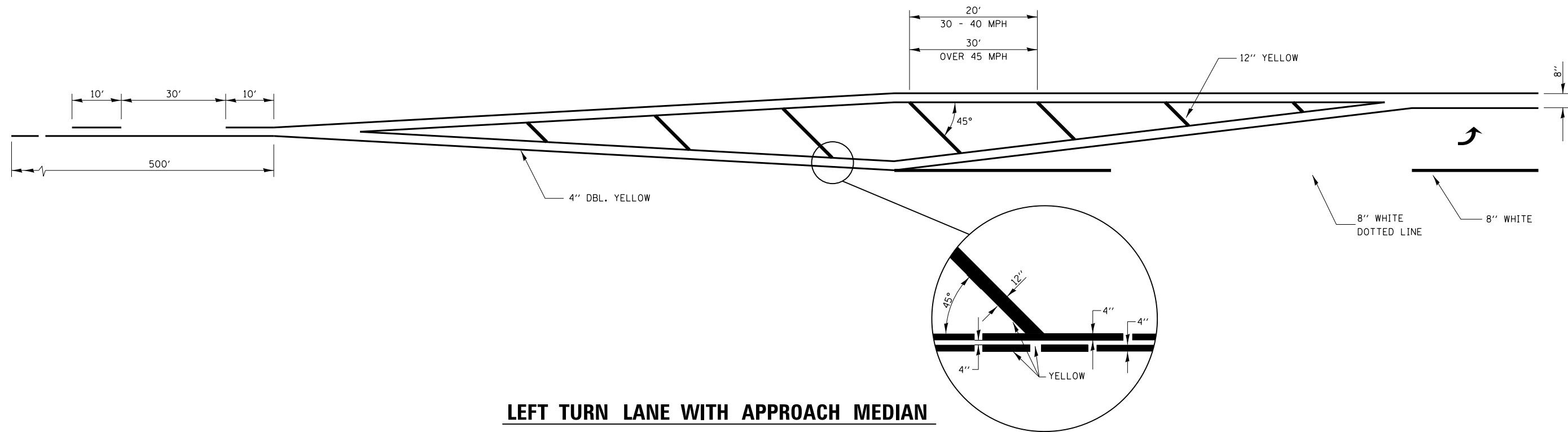
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PLOT DATE = 3/30/2017	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

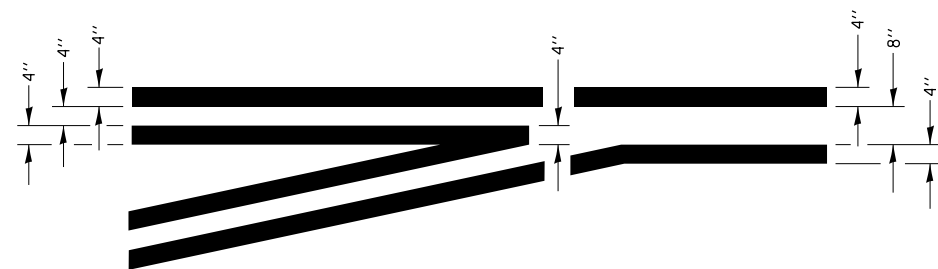
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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DETAILS

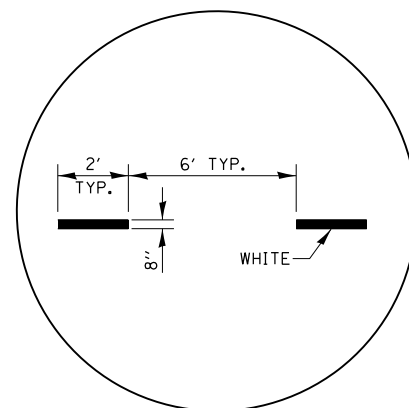
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	18
CONTRACT NO. 66B97				
ILLINOIS FED. AID PROJECT				



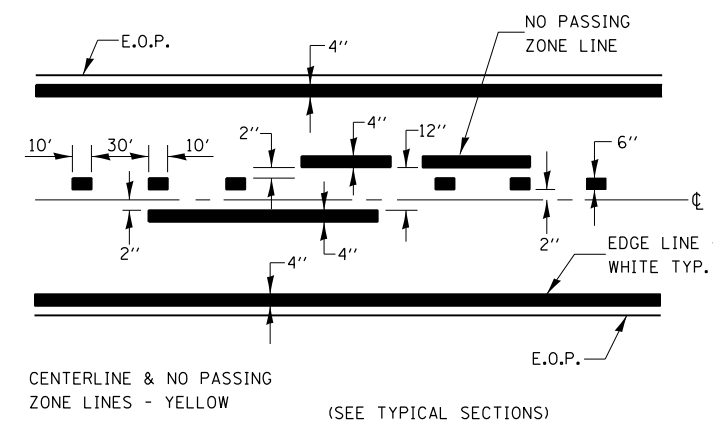
LEFT TURN LANE WITH APPROACH MEDIAN



**TYPICAL APPLICATION
LEFT TURN LANES**



**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**



PAVEMENT MARKING

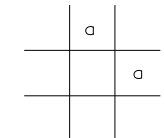
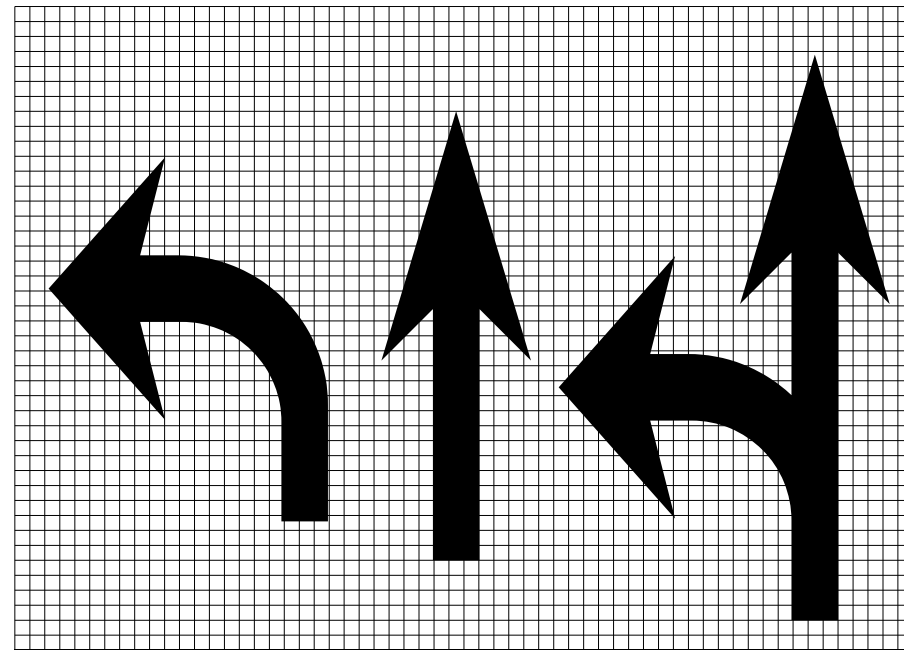
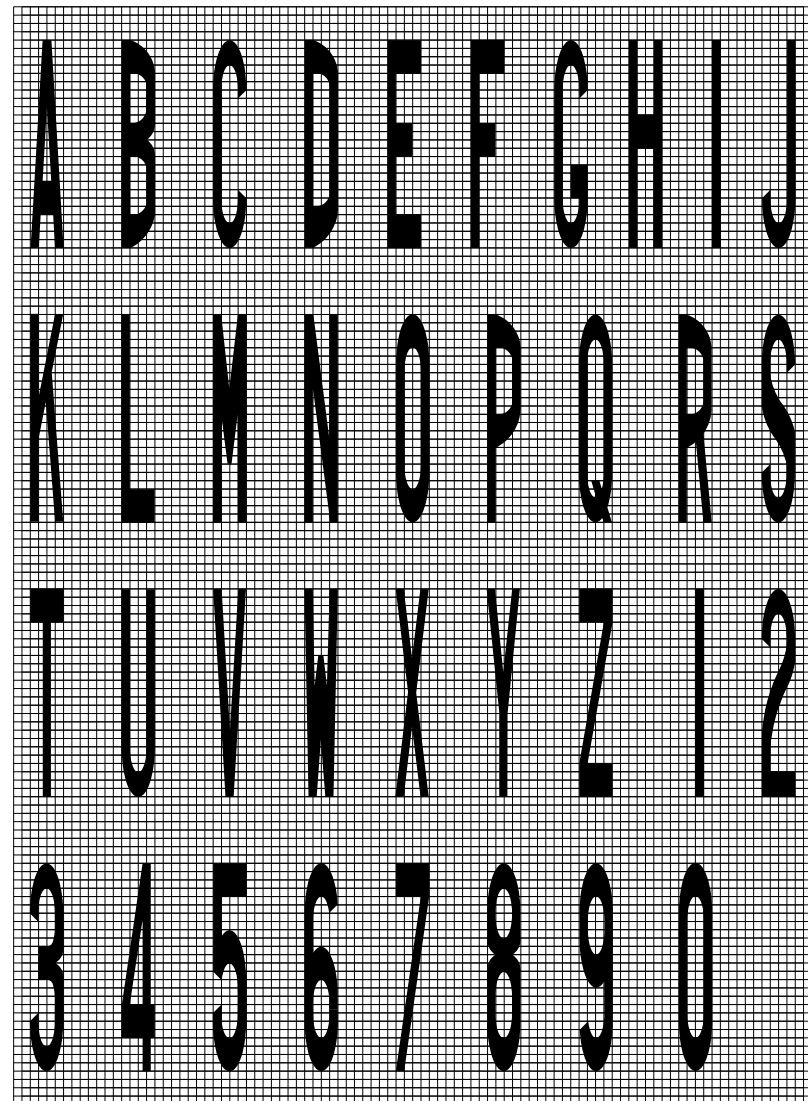
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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DETAILS

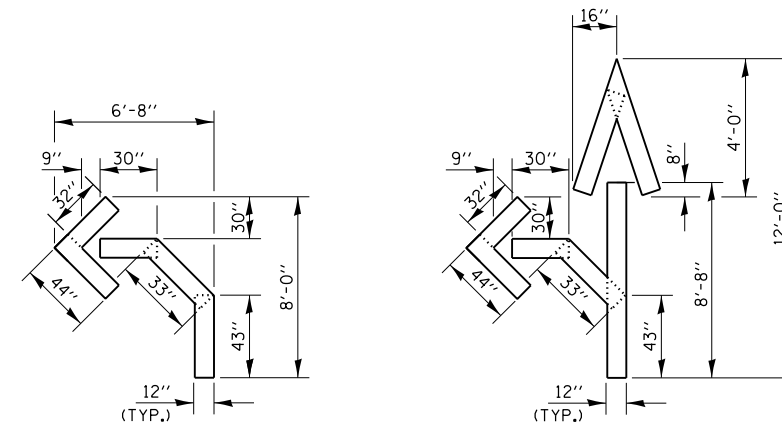
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	19
CONTRACT NO. 66897				
ILLINOIS FED. AID PROJECT				



LEGEND HEIGHT	ARROW SIZE	a
6'	SMALL	2.9
8'	LARGE	3.8

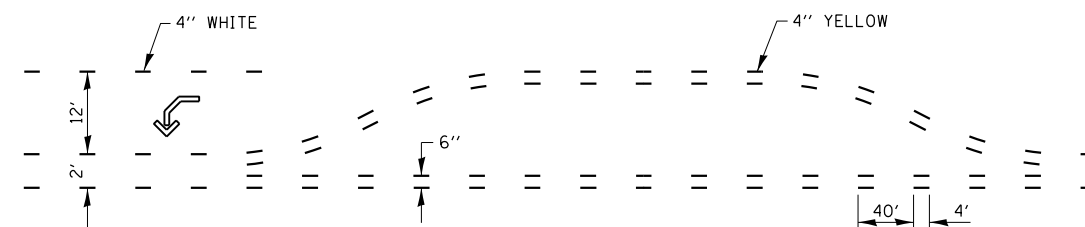
THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3' FOR 6' LEGEND AND 4' FOR 8' LEGEND.

LETTER AND ARROW GRID SCALE



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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	PLOT DATE = 3/30/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	111 RS-3 & 118 RS-5	GRUNDY	21	21
			CONTRACT NO. 66897	
ILLINOIS FED. AID PROJECT				