

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	1
		ILLINOIS	CONTRACT NO. 76T50	

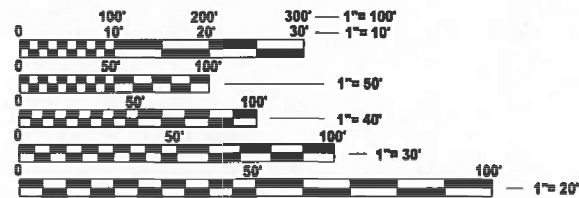
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 312 (IL 003)
SECTION 64N
PROJECT NHPP-RPR7(728)
INTERSECTION IMPROVEMENT,
PAVEMENT MARKING
ST. CLAIR COUNTY**

2023 ADT = 16000 (ACTUAL)
2024 ADT = 16200 (ESTIMATED)
2044 ADT = 20600 (ESTIMATED)
SU = 4.4% MU = 4.2%

2023 ADT = 14100 (ACTUAL)
2024 ADT = 14300 (ESTIMATED)
2044 ADT = 18100 (ESTIMATED)
SU = 4.8% MU = 5.0%



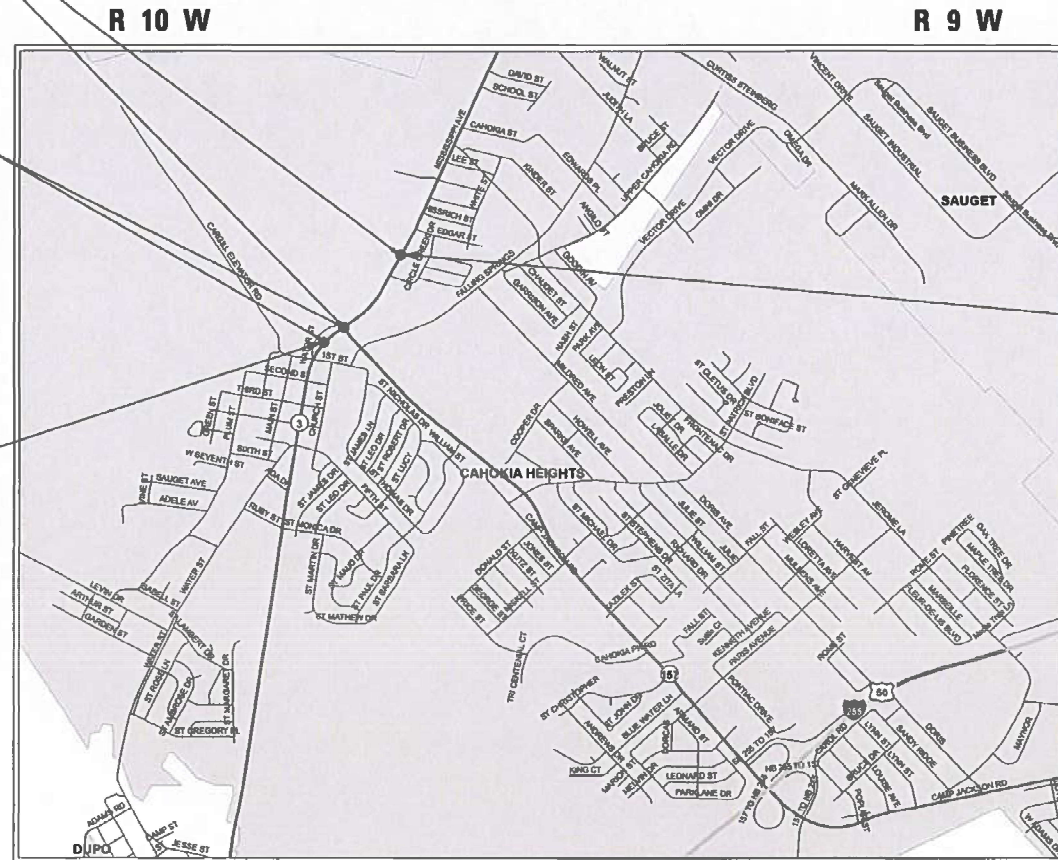
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER CHERYL KEPLAR
PROJECT MANAGER EDISON ZOHFONYI

CONTRACT NO. 76T50

C-98-065-24



GROSS LENGTH = 2254.22 FT. = 0.43 MILE
NET LENGTH = 2254.22 FT. = 0.43 MILE

D-98-022-24



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

END IMPROVEMENT
0.3 MI N OF IL 157
STA. 101 + 50.00
LAT: 38.575680
LONG: -90.184559

FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 21, 2024
Kirk Brown REGIONAL ENGINEER

May 10, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
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23-25	TRAFFIC SIGNAL

HIGHWAY STANDARDS

000001-08	782001-01
001006	857001-01
420001-10	873001-02
606001-08	877001-08
606201-04	878001-11
701400-12	880006-01
701422-10	886001-01
701601-09	886006-01
701701-10	
701901-09	
720001-01	
720006-04	
780001-05	
781001-04	

GENERAL NOTES

- UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:
 AMEREN ILLINOIS
 AT&T ILLINOIS
 CITY OF BELLEVILLE
 BUCKEYE PARTNERS L.P. WOOD RIVER PIPELINE
 VILLAGE OF CAHOKIA
 CHARTER COMMUNICATIONS, INC.
 CITY OF COLUMBIA
 ILLINOIS AMERICAN WATER COMPANY
 VERIZON BUSINESS
 SPIRE NGL
- THREE CHANGEABLE MESSAGE SIGN SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLEMESSAGE SIGNS SHALL BE PLACED ALONG ILL 3 AND ILL 157 OR AT THE DIRECTION OF THE ENGINEER
- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.

COMMITMENTS

NONE

MIXTURE REQUIREMENTS

MIXTURE USE	POLY SURFACE	SHOULDER (surface)	BASE CRSE & WIDE
AC/PG	SBS PG 70-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=30	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5L	IL 19.0
FRICITION AGG	MIXTURE "E"		MIXTURE "B"
QUALITY MGMT PROGRAM	QCP	QC/QA	QC/QA
MatTranDev Required?	yes	no	no

REV. - MS

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES
 MIXTURE REQUIREMENTS AND COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	2
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	SAFETY
				0005 URBAN	0021 URBAN
20200100	EARTH EXCAVATION	CU YD	307	307	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	342	342	
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	50	50	
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	257	257	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8734	8734	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	11164	11164	
40600990	TEMPORARY RAMP	SQ YD	338	338	
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	1290	1290	
44000100	PAVEMENT REMOVAL	SQ YD	11	11	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	17324	17324	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	638	638	
44004250	PAVED SHOULDER REMOVAL	SQ YD	489	489	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	137	137	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	227	227	

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PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	3
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	SAFETY
				0005 URBAN	0021 URBAN
60602800	CONCRETE GUTTER, TYPE B	FOOT	300	300	
60608552	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	339	339	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1607	1607	
67100100	MOBILIZATION	L SUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	60	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	168	168	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1030	1030	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	95	95	
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	390	390	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	10672	10672	

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REV. - MS

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PLOT DATE = 3/21/2024	CHECKED -	REVISED -		SCALE:	SHEET 2	OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 76T50		
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	SAFETY
				0005 URBAN	0021 URBAN
				80% FED 20% STATE	
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	524	524	
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	441	441	
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	104	104	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	30		30
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	390	390	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10672	10672	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	524	524	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	441	441	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	104	104	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	102	102	
* 78200020	CURB REFLECTORS	EACH	3	3	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	102	102	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4308	4308	
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	23		23

* SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

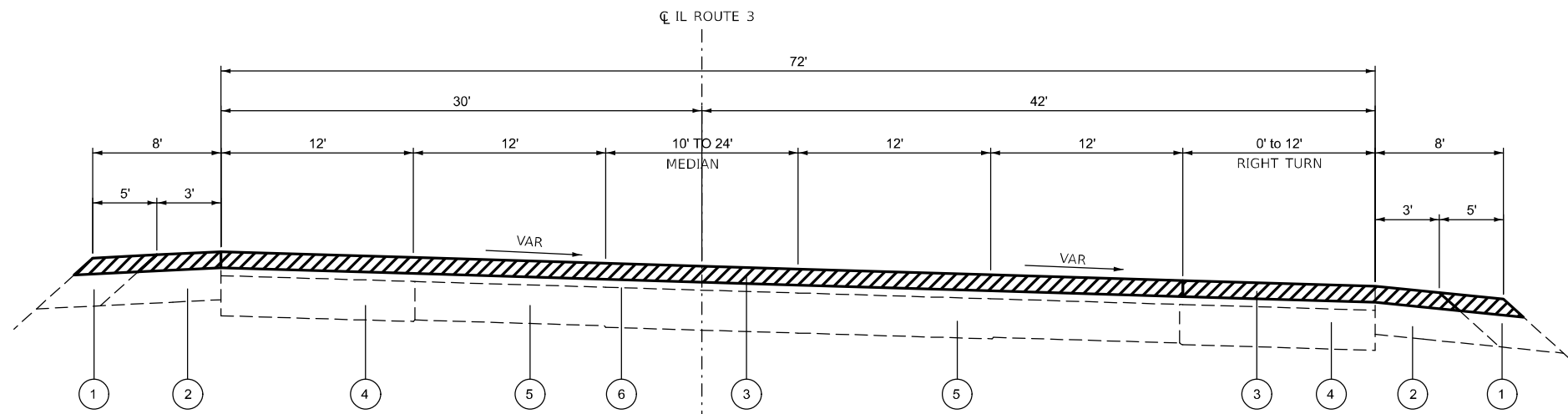
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312	64N	ST. CLAIR	25	5
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

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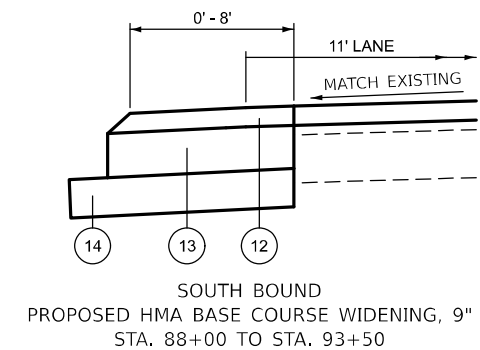
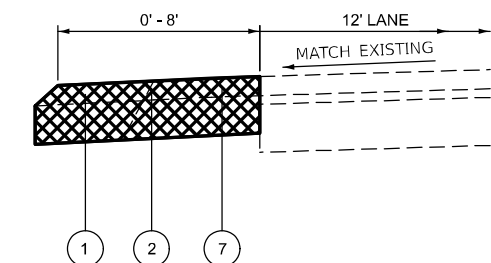
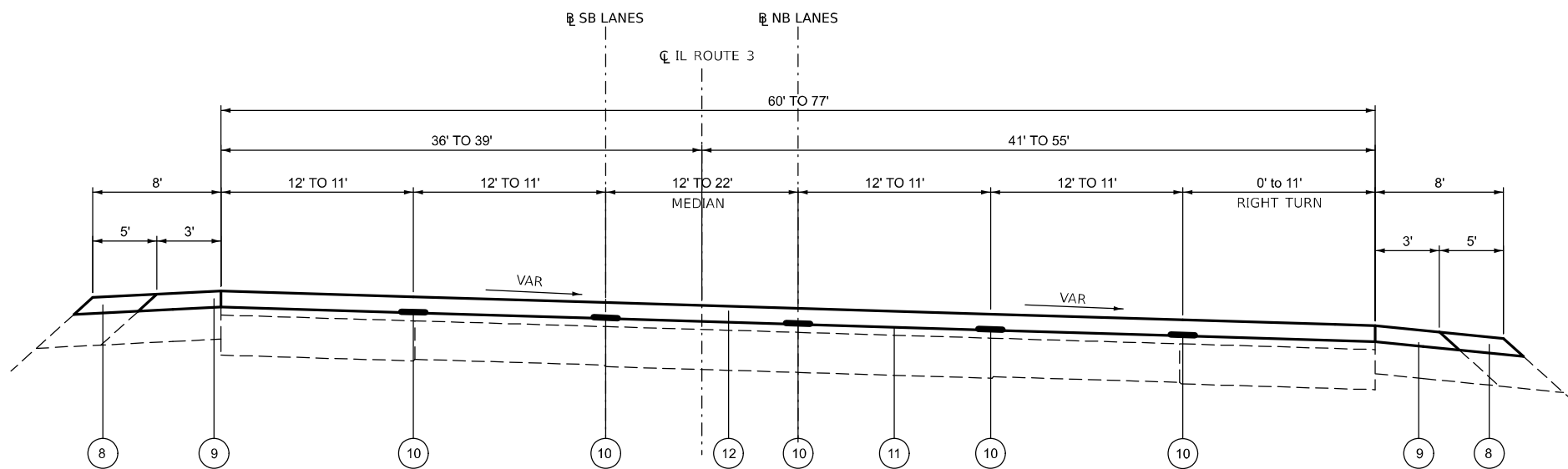
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				ROADWAY	SAFETY
				0005	0021
				URBAN	URBAN
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA	FOOT	124		124
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2625		2625
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	145		145
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	170		170
* 87501100	TRAFFIC SIGNAL POST, 15 FT.	EACH	1		1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		3
* 87900200	DRILL EXISTING HANDHOLE	EACH	2		2
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	6		6
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	11		11
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1255		1255
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1

* SPECIALTY ITEM

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	DRAWN -	REVISED -		SCALE:	SHEET 4	OF 5	SHEETS	STA.	TO STA.	312	64N	ST. CLAIR	25	6
	CHECKED -	REVISED -		CONTRACT NO. 76T50										
PLOT DATE = 3/21/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



- LEGEND**
- ① EXISTING AGGREGATE SHOULDER, 8"
 - ② EXISTING HMA SHOULDER, 8"+
 - ③ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
 - ④ EXISTING BITUMINOUS BASE COURSE 13 1/2"
 - ⑤ EXISTING PCC PAVEMENT
 - ⑥ EXISTING HMA BINDER COURSE, 2 1/4"
 - ⑦ SHOULDER REMOVAL
 - ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - ⑨ PROPOSED HMA SHOULDER, 1 1/2"
 - ⑩ PROPOSED LONGITUDINAL JOINT SEALANT
 - ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
 - ⑫ PROPOSED HMA SURFACE COURSE, 1 1/2"
 - ⑬ PROPOSED BASE COURSE WIDENING, 9"
 - ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"



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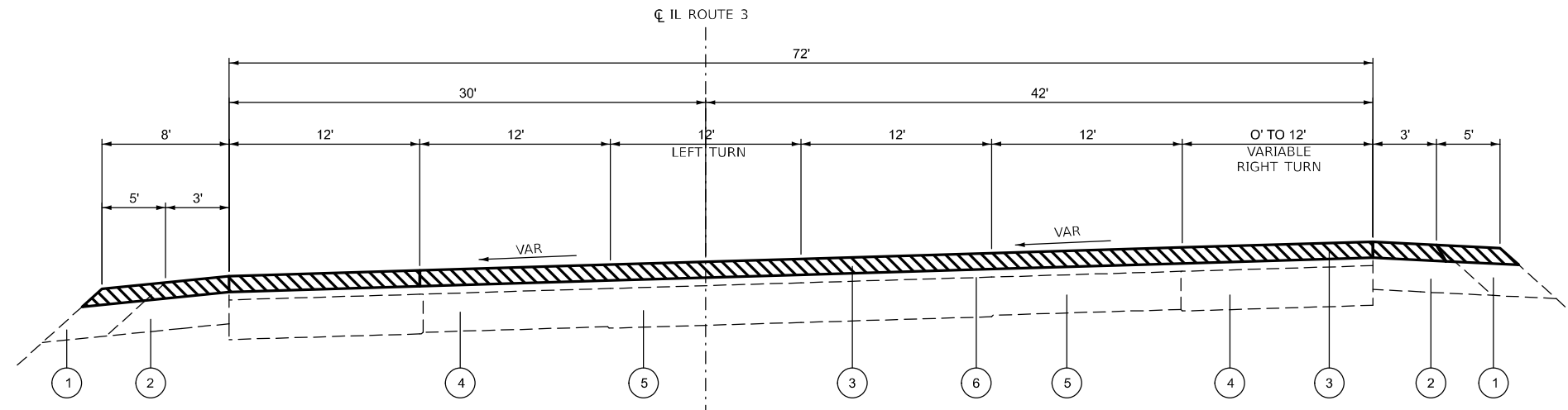
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

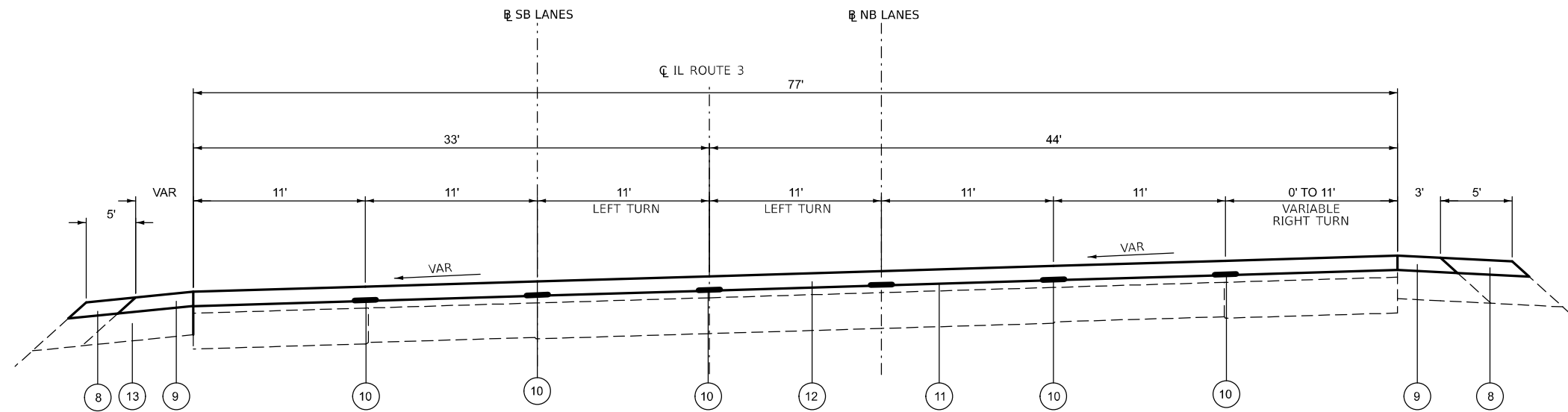
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CONTRACT NO. 76750				
ILLINOIS FED. AID PROJECT				

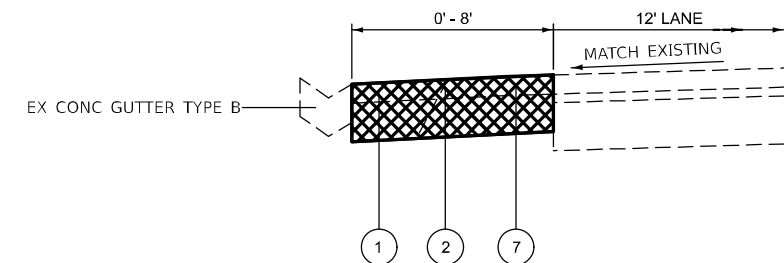


EXISTING TYPICAL SECTION IL 3
 STA. 90+22.96 TO 99+32.56 (11' LANE)
 STA. 99+32.56 TO 101+50.00 (12' LANE)

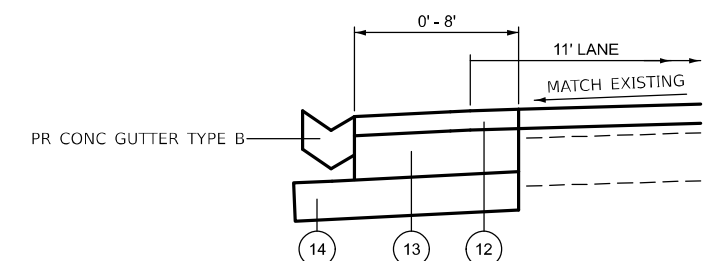
- LEGEND**
- 1 EXISTING AGGREGATE SHOULDER, 8"
 - 2 EXISTING HMA SHOULDER, 8"+
 - 3 PROPOSED HMA SURFACE REMOVAL, 1 1/2"
 - 4 EXISTING BITUMINOUS BASE COURSE 13 1/2"
 - 5 EXISTING PCC PAVEMENT
 - 6 EXISTING HMA BINDER COURSE, 2 1/4"
 - 7 SHOULDER REMOVAL
 - 8 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - 9 PROPOSED HMA SHOULDER, 1 1/2"
 - 10 PROPOSED LONGITUDINAL JOINT SEALANT
 - 11 PROPOSED BITUMINOUS MATERIAL (TACK COAT)
 - 12 PROPOSED HMA SURFACE COURSE, 1 1/2"
 - 13 PROPOSED BASE COURSE WIDENING, 9"
 - 14 PROPOSED AGGREGATE BASE COURSE, TYPE A 12"



PROPOSED TYPICAL SECTION IL 3
 STA. 90+22.96 TO 99+32.56 (11' LANE)
 STA. 99+32.56 TO 101+50.00 (12' LANE)



SOUTH BOUND EXISTING CONCRETE GUTTER TYPE B
 STA. 91+38.93 TO STA. 93+00.32
 STA. 93+20.81 TO STA. 94+59.00



SOUTH BOUND PROPOSED CONCRETE GUTTER TYPE B
 STA. 91+38.93 TO STA. 93+00.32
 STA. 93+20.81 TO STA. 94+59.00

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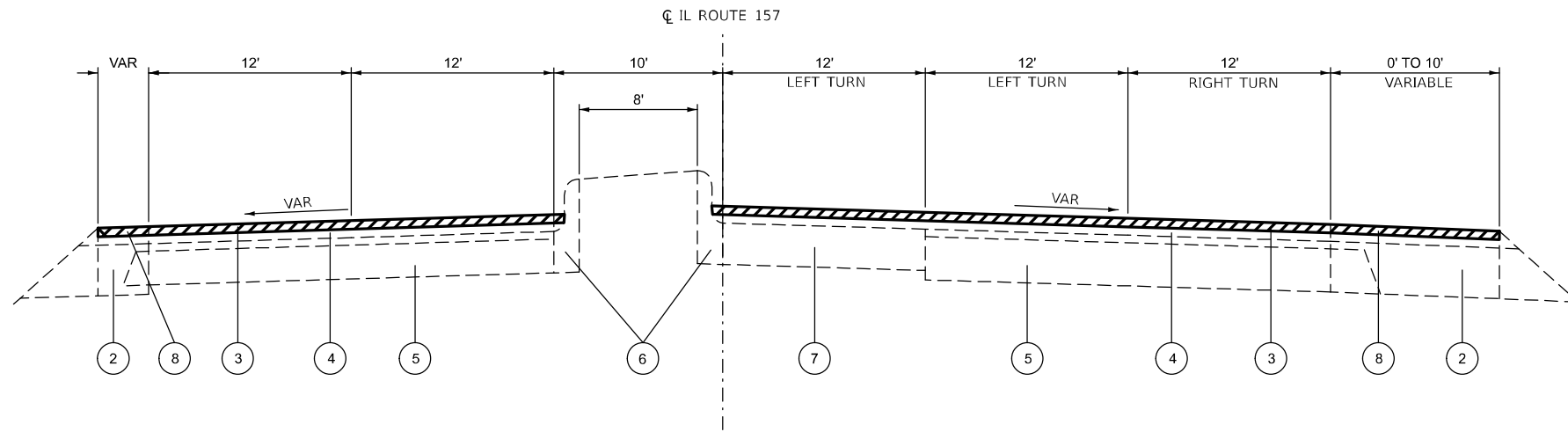
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

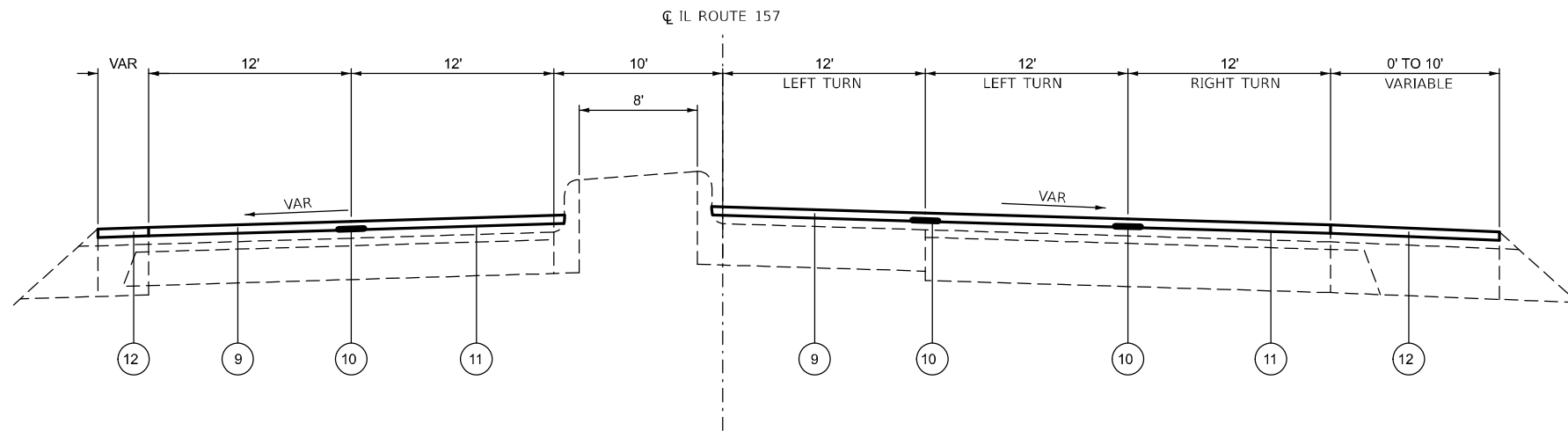
TYPICAL SECTIONS

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	9
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ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION IL 157
STA. 1053+19.00 TO 1051+74.55



PROPOSED TYPICAL SECTION IL 157
STA. 1053+19.00 TO 1051+74.55

LEGEND

- ① EXISTING COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
- ② EXISTING BITUMINOUS BASE COURSE 1 1/4"
- ③ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ④ EXISTING HMA BINDER COURSE, 1 1/4"
- ⑤ EXISTING BITUMINOUS BASE COURSE, 10"
- ⑥ EXISTING COMB. CONCRETE CURB AND GUTTER, TYPE B-9.06
- ⑦ EXISTING PCC PAVEMENT
- ⑧ EXISTING HMA SHOULDER, 1 1/2"
- ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑩ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑫ PROPOSED HMA SHOULDER, 1 1/2"

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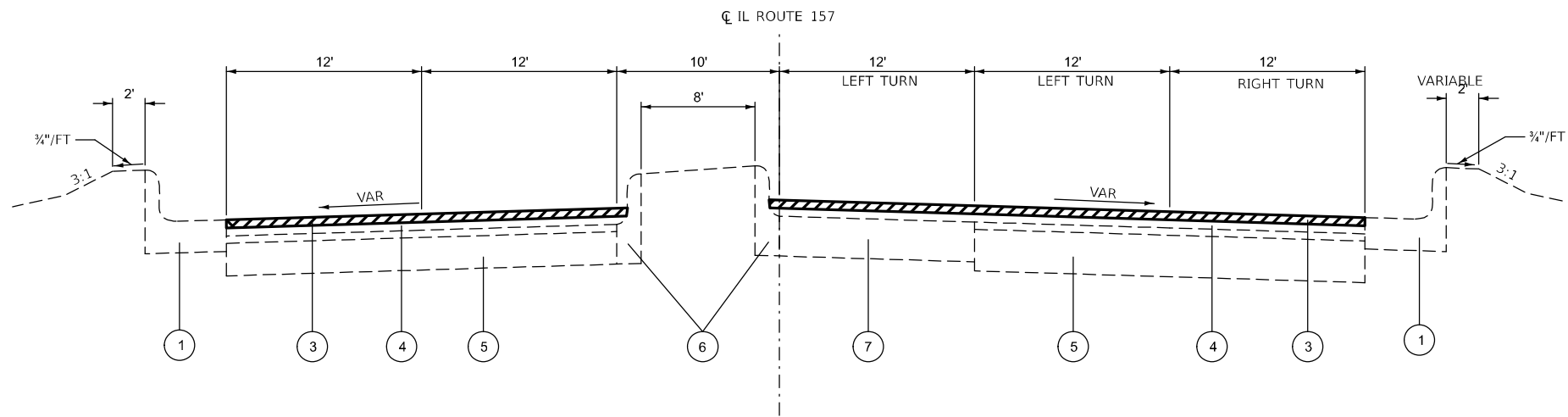
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

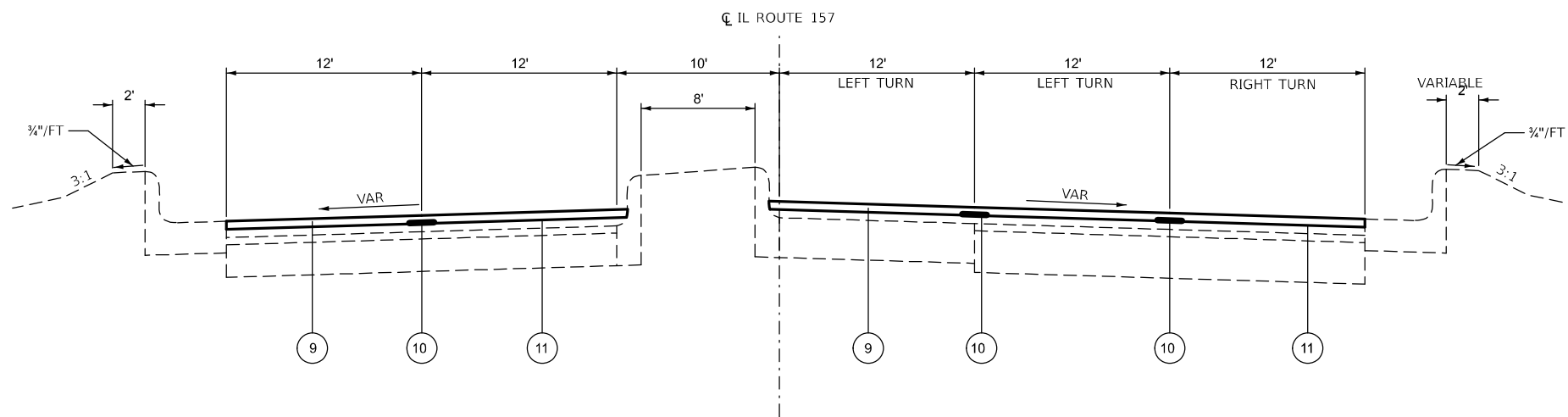
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312	64N	ST. CLAIR	25	10
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION IL 157
 STA. 1051+74.55 TO 1049+89.85

LEGEND

- ① EXISTING COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
- ② EXISTING BITUMINOUS BASE COURSE 11½"
- ③ PROPOSED HMA SURFACE REMOVAL, 1½"
- ④ EXISTING HMA BINDER COURSE, 1¼"
- ⑤ EXISTING BITUMINOUS BASE COURSE, 10"
- ⑥ EXISTING COMB. CONCRETE CURB AND GUTTER, TYPE B-9.06
- ⑦ EXISTING PCC PAVEMENT
- ⑧ EXISTING HMA SHOULDER, 1½"
- ⑨ PROPOSED HMA SURFACE COURSE, 1½"
- ⑩ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑫ PROPOSED HMA SHOULDER, 1½"



PROPOSED TYPICAL SECTION IL 157
 STA. 1051+74.55 TO 1049+89.85

MODEL: Typical Section-02 (Sheet)
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USER NAME = edison.zohfanyi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	11
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

STATION		DIMENSION		HMA SURFACE REMOVAL 1 1/2"	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HMA SURFACE COURSE IL-9.5 "MIX E" N90	MATERIAL TRANSFER DEVICE
		LENGTH	WIDTH					
FROM	TO	FEET	FEET	SQ YD	FEET	POUND	TON	TON
IL ROUTE 3								
83+25.00	85+11.97	186.97	60	1246.5	934.9	560.9	104.7	104.7
85+11.97	88+59.57	347.59	72	2780.8	1738.0	1251.3	233.6	233.6
88+59.57	89+79.76	120.20	60	801.3	601.0	360.6	67.3	67.3
89+79.76	95+77.54	597.77	77	4787.7	3586.6	2152.0	401.7	401.7
95+77.54	101+50.00	572.46	60	3816.4	3434.8	1717.4	320.6	320.6
IL ROUTE 157								
1050+29.57	1053+19.00	289.43	60	1929.5	868.3	868.3	162.1	162.1
TOTAL				15357	11164	6911	1290	1290

PAVEMENT MARKING SCHEDULE

LOCATION		THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING									PAVEMENT MARKING REMOVAL - WATER BLASTING	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
STATION		LINE - 6"				8" WHITE SOLID LINE AROUND CORNER ISLAND	LINE - 12"		24" WHITE STOP LINE	LETTERS AND SYMBOLS				SQ FT	FEET		SQ FT
FROM	TO	WHITE SOLID	WHITE SKIP-DASH	DOUBLE YELLOW SOLID	YELLOW SKIP-DASH		FEET	FEET			FEET	FEET	FEET			FEET	
IL ROUTE 3																	
083+25.00	084+56.82	264	80	264	80							230	80	7	4	4	8
084+56.82	087+26.60	540	140	540	140					40		494	120	10	6	6	12
087+26.60	090+01.26	549	140	1099		206	225		18			746	150	13	6	6	12
090+01.26	091+21.44	120	180			318						207	40	7	4	4	8
091+21.44	092+78.59	471	120	314				216	44	70		459	100	9	8	4	12
092+78.59	094+27.50	298	120	596								338	100	9	4	4	8
094+27.50	101+50.00	1445	380	1445	380					130		1347	350	30	18	18	36
IL ROUTE 157																	
1050+42.96	1053+19.00	828	140						42	150		487	90	10	6		6
TOTAL		4515	1300	4257	600	524	225	216	104	390		4308	1030	95	56	46	102

MODEL: Schedule of Quantities-1 (Sheet)
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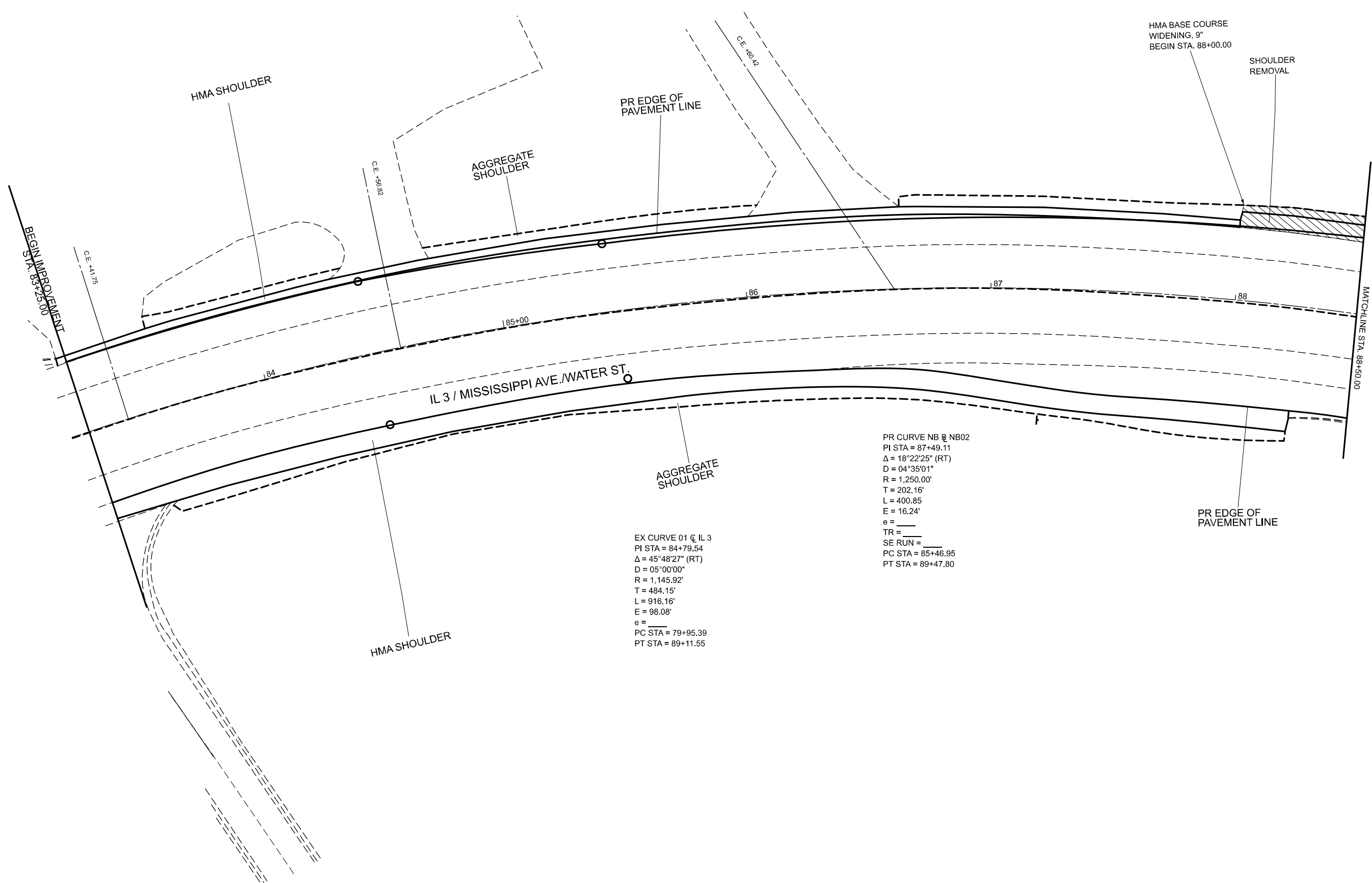
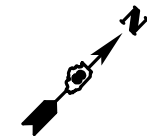
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PLOT DATE = 3/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	12
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				



EX CURVE 01 \hat{C} IL 3
 PI STA = 84+79.54
 $\Delta = 45^\circ 48' 27''$ (RT)
 $D = 05^\circ 00' 00''$
 $R = 1,145.92'$
 $T = 484.15'$
 $L = 916.16'$
 $E = 98.08'$
 $e =$
 PC STA = 79+95.39
 PT STA = 89+11.55

PR CURVE NB \hat{C} NB02
 PI STA = 87+49.11
 $\Delta = 18^\circ 22' 25''$ (RT)
 $D = 04^\circ 35' 01''$
 $R = 1,250.00'$
 $T = 202.16'$
 $L = 400.85'$
 $E = 16.24'$
 $e =$
 TR =
 SE RUN =
 PC STA = 85+46.95
 PT STA = 89+47.80

MODEL: EXCL - I_003 (Sheet)
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USER NAME = edison.zohfanyi	DESIGNED -	REVISED -
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PLOT DATE = 2/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: 1"=20'	SHEET 1	OF 4 SHEETS	STA. 84+00.00 TO STA. 88+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	14
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

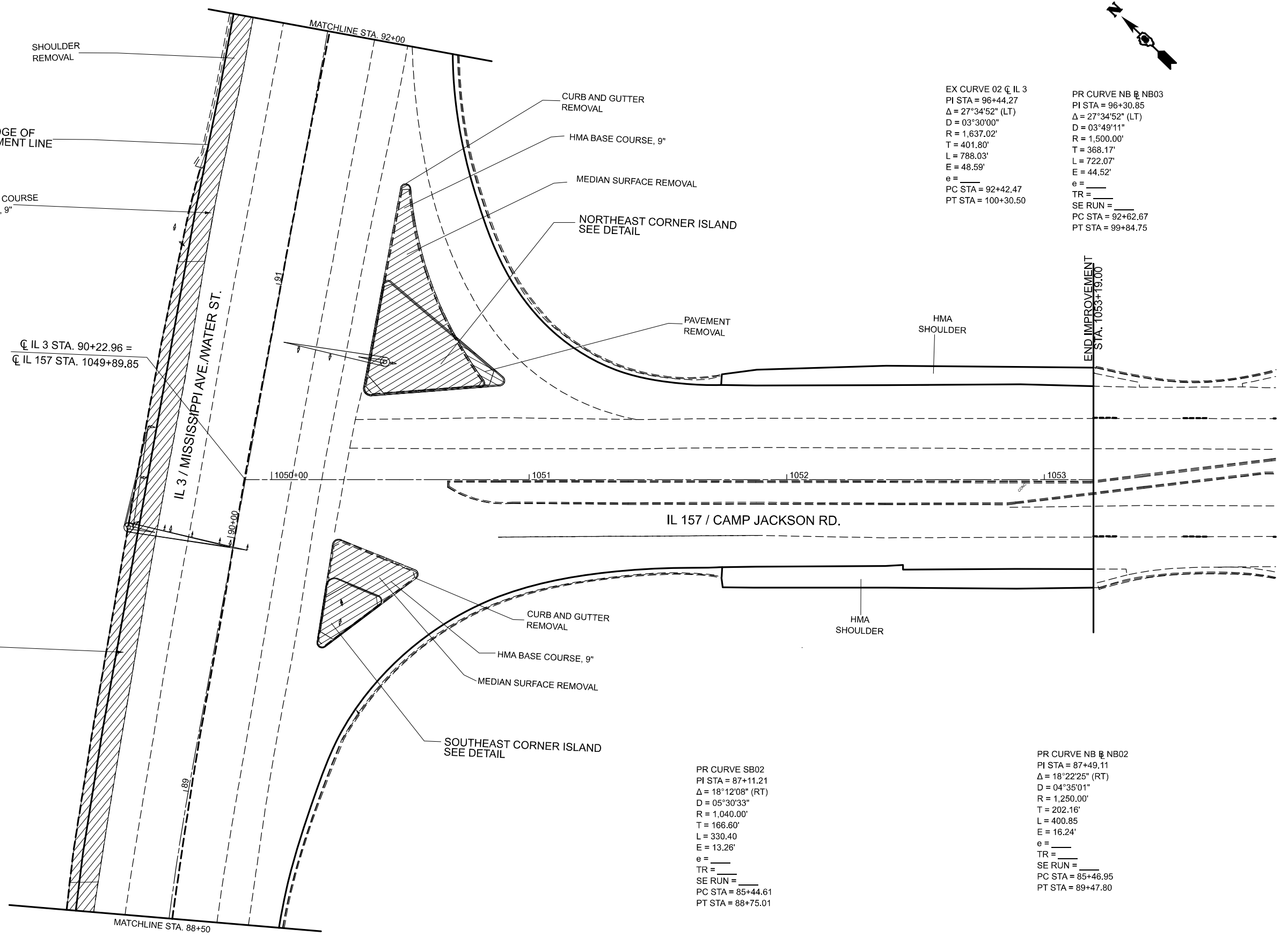


PR CURVE SB @ SB03
 PI STA = 93+96.16
 $\Delta = 07^{\circ}52'08''$ (LT)
 $D = 05^{\circ}12'31''$
 $R = 1,100.00'$
 $T = 75.65'$
 $L = 151.07'$
 $E = 2.60'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 93+20.50$
 $PT STA = 94+71.57$

EX CURVE 02 @ IL 3
 PI STA = 96+44.27
 $\Delta = 27^{\circ}34'52''$ (LT)
 $D = 03^{\circ}30'00''$
 $R = 1,637.02'$
 $T = 401.80'$
 $L = 788.03'$
 $E = 48.59'$
 $e =$
 $PC STA = 92+42.47$
 $PT STA = 100+30.50$

PR CURVE NB @ NB03
 PI STA = 96+30.85
 $\Delta = 27^{\circ}34'52''$ (LT)
 $D = 03^{\circ}49'11''$
 $R = 1,500.00'$
 $T = 368.17'$
 $L = 722.07'$
 $E = 44.52'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 92+62.67$
 $PT STA = 99+84.75$

CL IL 3 STA. 90+22.96 =
 CL IL 157 STA. 1049+89.85



HMA BASE COURSE WIDENING, 9"

PR CURVE SB02
 PI STA = 87+11.21
 $\Delta = 18^{\circ}12'08''$ (RT)
 $D = 05^{\circ}30'33''$
 $R = 1,040.00'$
 $T = 166.60'$
 $L = 330.40'$
 $E = 13.26'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 85+44.61$
 $PT STA = 88+75.01$

PR CURVE NB @ NB02
 PI STA = 87+49.11
 $\Delta = 18^{\circ}22'25''$ (RT)
 $D = 04^{\circ}35'01''$
 $R = 1,250.00'$
 $T = 202.16'$
 $L = 400.85'$
 $E = 16.24'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 85+46.95$
 $PT STA = 89+47.80$

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PLOT DATE = 3/12/2024	DATE -	REVISED -

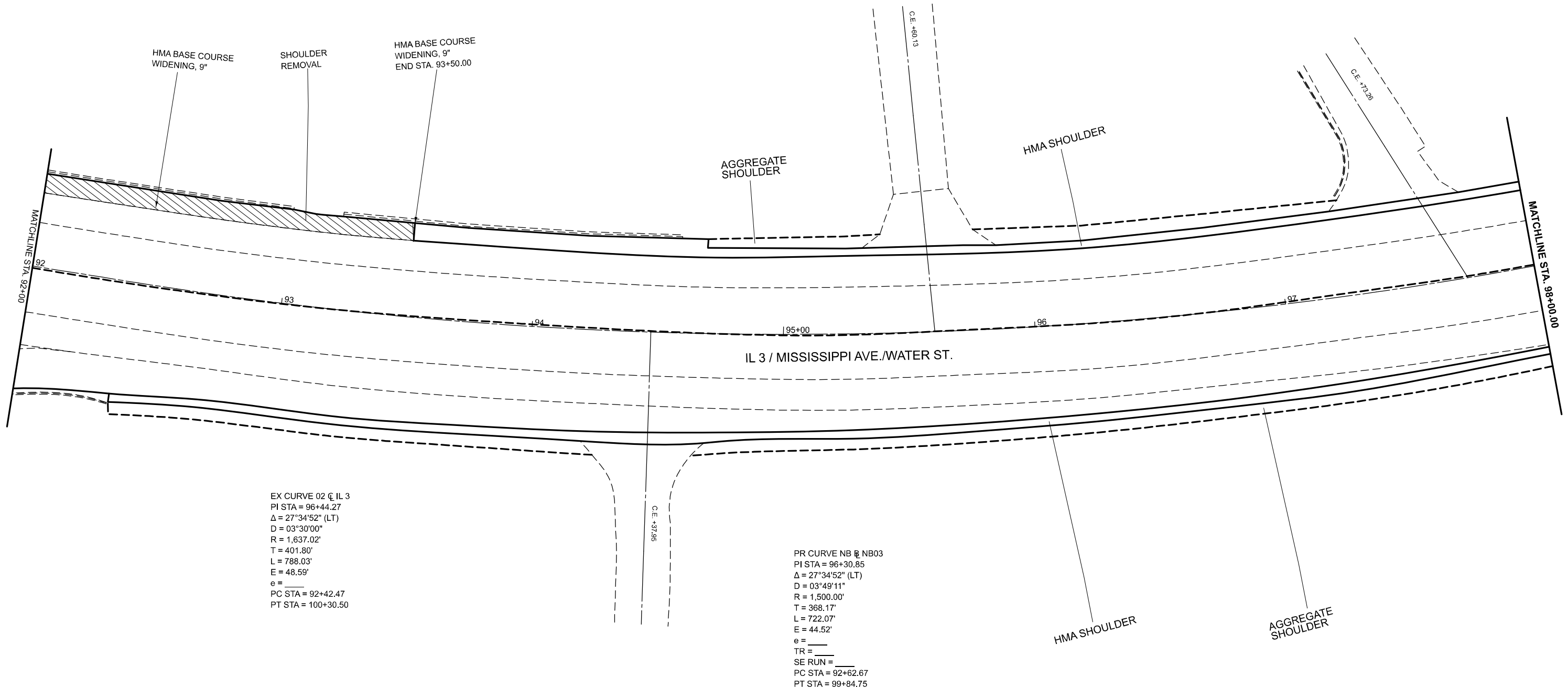
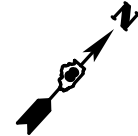
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 88+50.00 TO STA. 92+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	15
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

PR CURVE SB @ SB04
 PI STA = 97+54.95
 $\Delta = 19^{\circ}42'44"$ (LT)
 D = $03^{\circ}30'46"$
 R = 1,631.02'
 T = 283.37'
 L = 561.14'
 E = 24.43'
 e = _____
 TR = _____
 SE RUN = _____
 PC STA = 94+71.57
 PT STA = 100+32.72



EX CURVE 02 @ IL 3
 PI STA = 96+44.27
 $\Delta = 27^{\circ}34'52"$ (LT)
 D = $03^{\circ}30'00"$
 R = 1,637.02'
 T = 401.80'
 L = 788.03'
 E = 48.59'
 e = _____
 PC STA = 92+42.47
 PT STA = 100+30.50

PR CURVE NB @ NB03
 PI STA = 96+30.85
 $\Delta = 27^{\circ}34'52"$ (LT)
 D = $03^{\circ}49'11"$
 R = 1,500.00'
 T = 368.17'
 L = 722.07'
 E = 44.52'
 e = _____
 TR = _____
 SE RUN = _____
 PC STA = 92+62.67
 PT STA = 99+84.75

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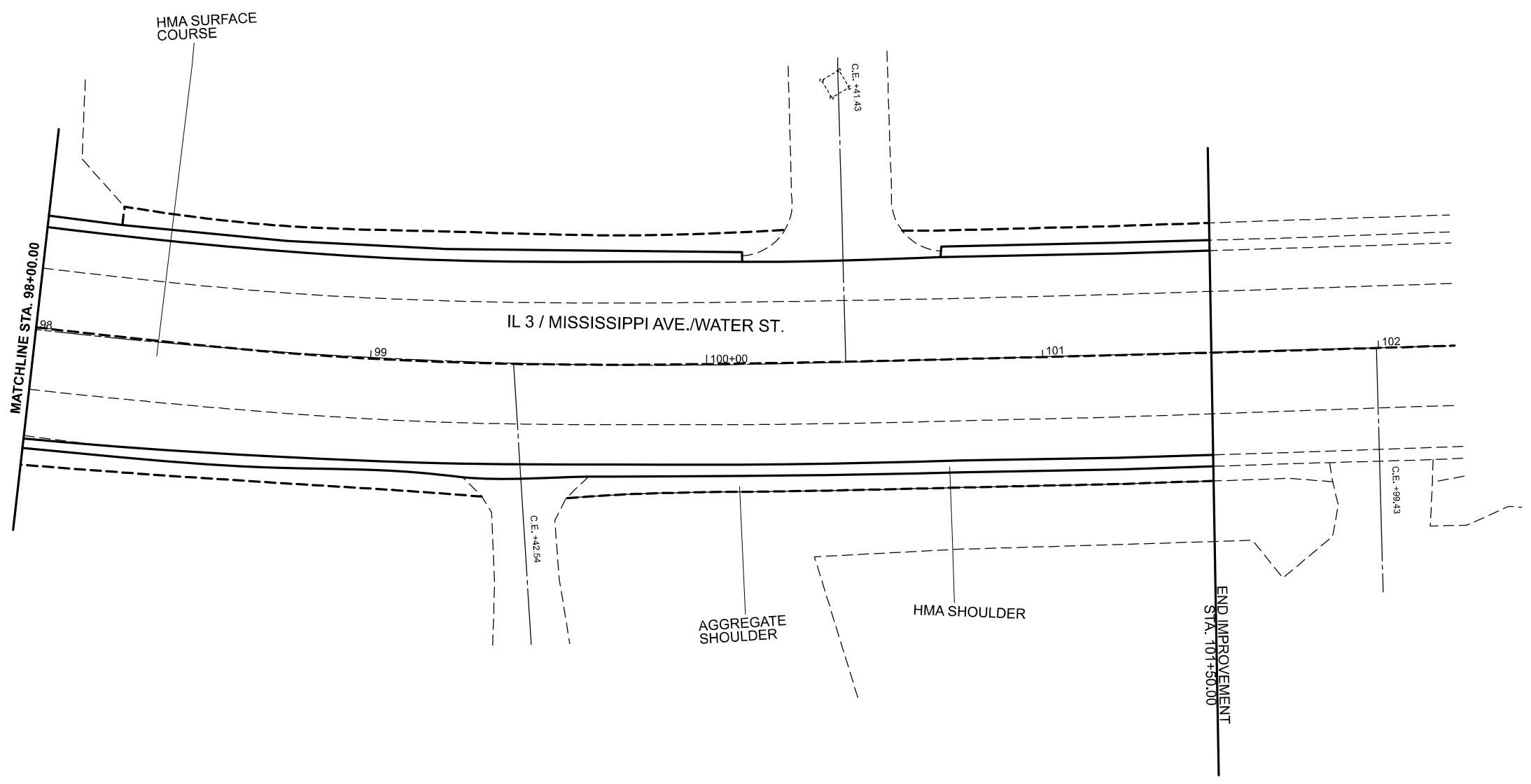
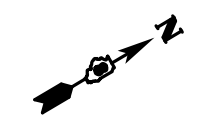
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DRAWN -	REVISOR -	REVISION -
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PLOT DATE = 3/7/2024	DATE -	REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. 92+00.00 TO STA. 98+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	16
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				



MODEL: EXCL-1- IL 5 [Sheet]
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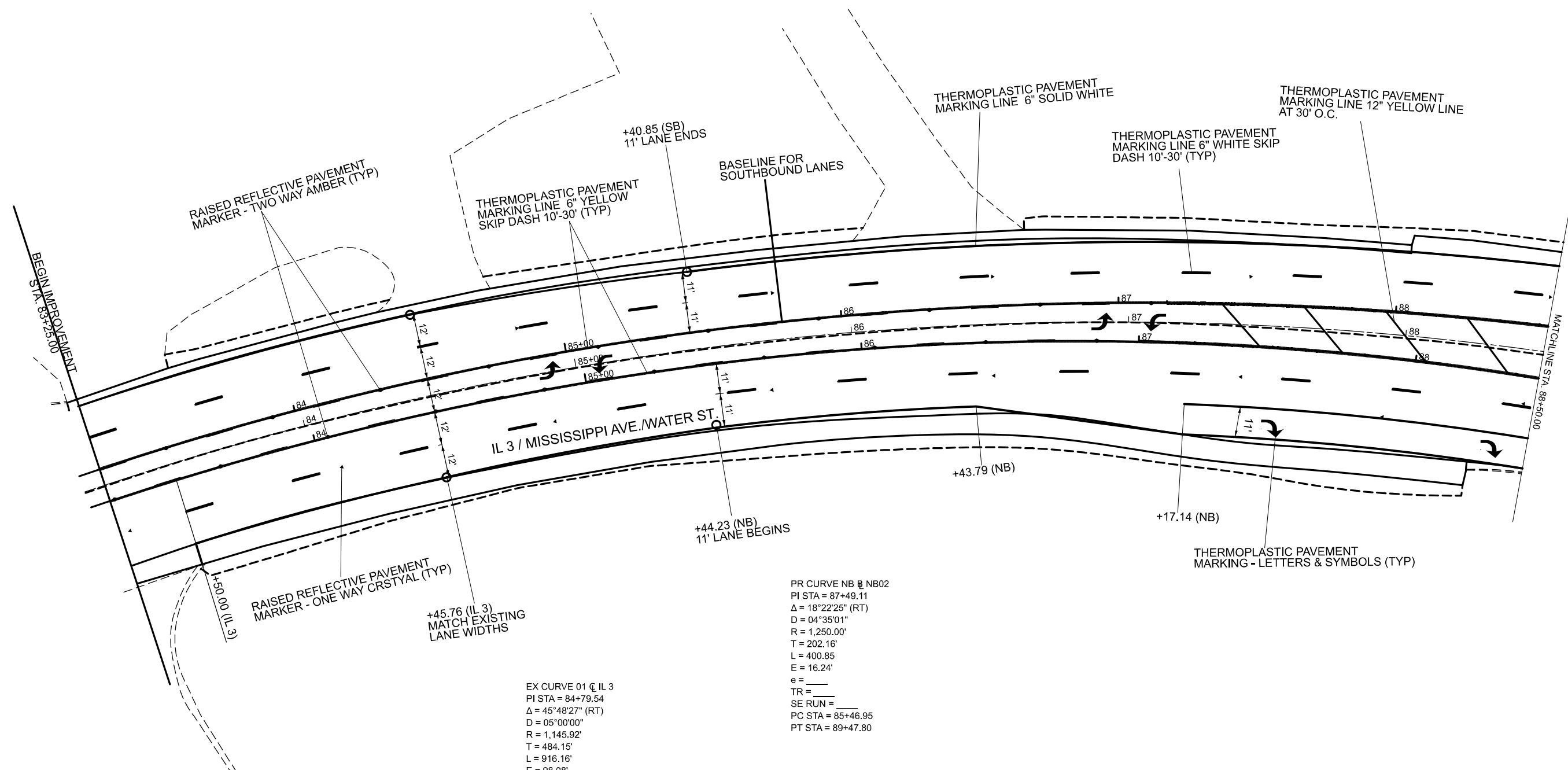
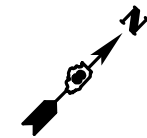
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 3/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 98+00.00 TO STA. 102+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	17
CONTRACT NO. 76T50				
		ILLINOIS	FED. AID PROJECT	



EX CURVE 01 \curvearrowleft IL 3
 PI STA = 84+79.54
 $\Delta = 45^\circ 48' 27''$ (RT)
 D = 05°00'00"
 R = 1,145.92'
 T = 484.15'
 L = 916.16'
 E = 98.08'
 $e =$ _____
 PC STA = 79+95.39
 PT STA = 89+11.55

PR CURVE NB \curvearrowright NB02
 PI STA = 87+49.11
 $\Delta = 18^\circ 22' 25''$ (RT)
 D = 04°35'01"
 R = 1,250.00'
 T = 202.16'
 L = 400.85'
 E = 16.24'
 $e =$ _____
 TR = _____
 SE RUN = _____
 PC STA = 85+46.95
 PT STA = 89+47.80

MODEL: EXCL - IL 3 Pavement Markings-1 [Sheet]
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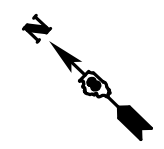
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PLOT DATE = 3/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. 84+00.00 TO STA. 90+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	18
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				



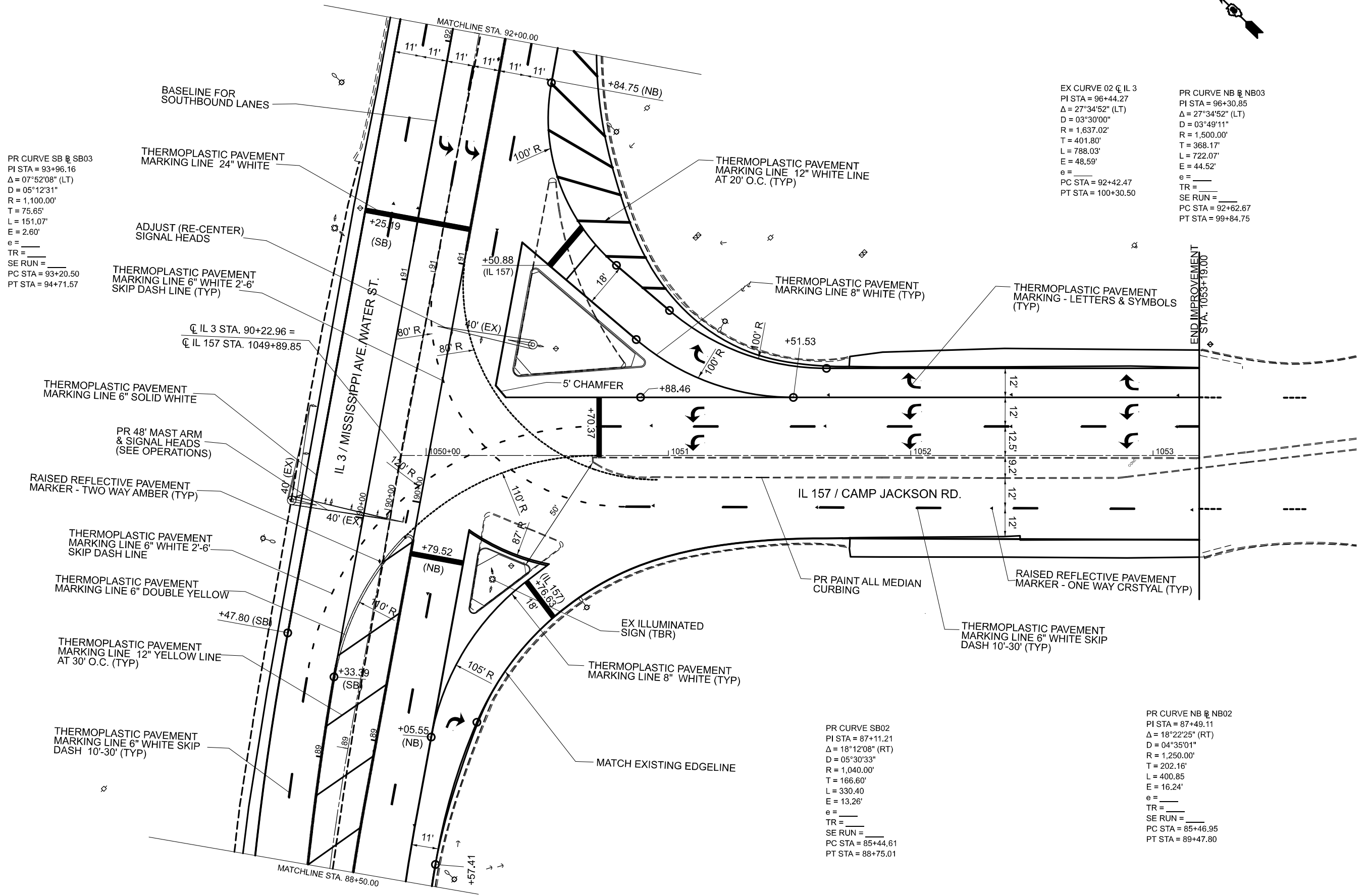
PR CURVE SB @ SB03
 PI STA = 93+96.16
 $\Delta = 07^{\circ}52'08''$ (LT)
 $D = 05^{\circ}12'31''$
 $R = 1,100.00'$
 $T = 75.65'$
 $L = 151.07'$
 $E = 2.60'$
 $e = \underline{\hspace{1cm}}$
 $TR = \underline{\hspace{1cm}}$
 $SE RUN = \underline{\hspace{1cm}}$
 PC STA = 93+20.50
 PT STA = 94+71.57

EX CURVE 02 @ IL 3
 PI STA = 96+44.27
 $\Delta = 27^{\circ}34'52''$ (LT)
 $D = 03^{\circ}30'00''$
 $R = 1,637.02'$
 $T = 401.80'$
 $L = 788.03'$
 $E = 48.59'$
 $e = \underline{\hspace{1cm}}$
 $PC STA = 92+42.47$
 $PT STA = 100+30.50$

PR CURVE NB @ NB03
 PI STA = 96+30.85
 $\Delta = 27^{\circ}34'52''$ (LT)
 $D = 03^{\circ}49'11''$
 $R = 1,500.00'$
 $T = 368.17'$
 $L = 722.07'$
 $E = 44.52'$
 $e = \underline{\hspace{1cm}}$
 $TR = \underline{\hspace{1cm}}$
 $SE RUN = \underline{\hspace{1cm}}$
 PC STA = 92+62.67
 PT STA = 99+84.75

PR CURVE SB02
 PI STA = 87+11.21
 $\Delta = 18^{\circ}12'08''$ (RT)
 $D = 05^{\circ}30'33''$
 $R = 1,040.00'$
 $T = 166.60'$
 $L = 330.40'$
 $E = 13.26'$
 $e = \underline{\hspace{1cm}}$
 $TR = \underline{\hspace{1cm}}$
 $SE RUN = \underline{\hspace{1cm}}$
 PC STA = 85+44.61
 PT STA = 88+75.01

PR CURVE NB @ NB02
 PI STA = 87+49.11
 $\Delta = 18^{\circ}22'25''$ (RT)
 $D = 04^{\circ}35'01''$
 $R = 1,250.00'$
 $T = 202.16'$
 $L = 400.85'$
 $E = 16.24'$
 $e = \underline{\hspace{1cm}}$
 $TR = \underline{\hspace{1cm}}$
 $SE RUN = \underline{\hspace{1cm}}$
 PC STA = 85+46.95
 PT STA = 89+47.80



MODEL: EXCL157 - IL 157 Pavement Marking (Sheet)
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	DATE -	REVISED -

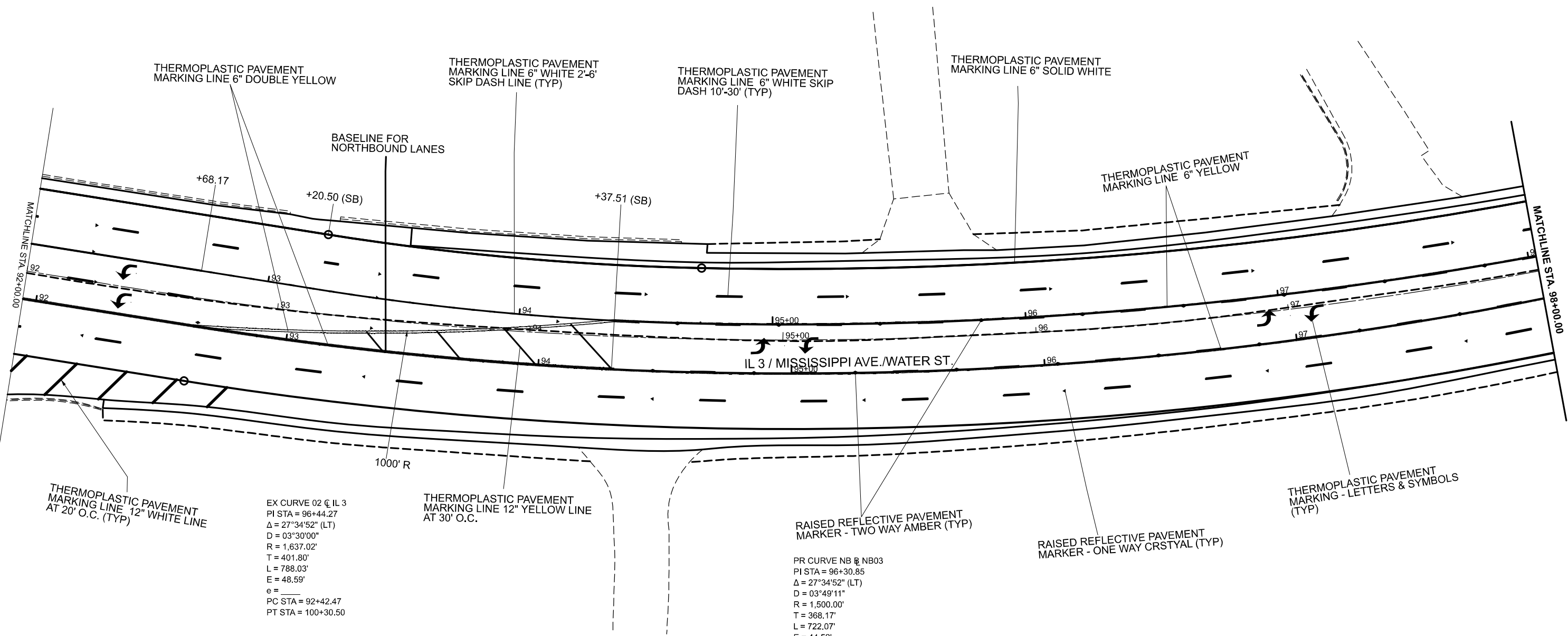
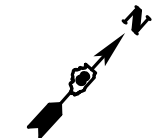
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 1049+89.85 TO STA. 1055+89.85

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	19
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

PR CURVE SB SB04
 PI STA = 97+54.95
 $\Delta = 19^{\circ}42'44"$ (LT)
 $D = 03^{\circ}30'46"$
 $R = 1,631.02'$
 $T = 283.37'$
 $L = 561.14'$
 $E = 24.43'$
 $e =$
 $TR =$
 $SE RUN =$
 PC STA = 94+71.57
 PT STA = 100+32.72



THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE LINE AT 20' O.C. (TYP)

EX CURVE 02 C IL 3
 PI STA = 96+44.27
 $\Delta = 27^{\circ}34'52"$ (LT)
 $D = 03^{\circ}30'00"$
 $R = 1,637.02'$
 $T = 401.80'$
 $L = 788.03'$
 $E = 48.59'$
 $e =$
 PC STA = 92+42.47
 PT STA = 100+30.50

THERMOPLASTIC PAVEMENT MARKING LINE 12" YELLOW LINE AT 30' O.C.

RAISED REFLECTIVE PAVEMENT MARKER - TWO WAY AMBER (TYP)

PR CURVE NB NB03
 PI STA = 96+30.85
 $\Delta = 27^{\circ}34'52"$ (LT)
 $D = 03^{\circ}49'11"$
 $R = 1,500.00'$
 $T = 368.17'$
 $L = 722.07'$
 $E = 44.52'$
 $e =$
 $TR =$
 $SE RUN =$
 PC STA = 92+62.67
 PT STA = 99+84.75

RAISED REFLECTIVE PAVEMENT MARKER - ONE WAY CRSTYAL (TYP)

THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP)

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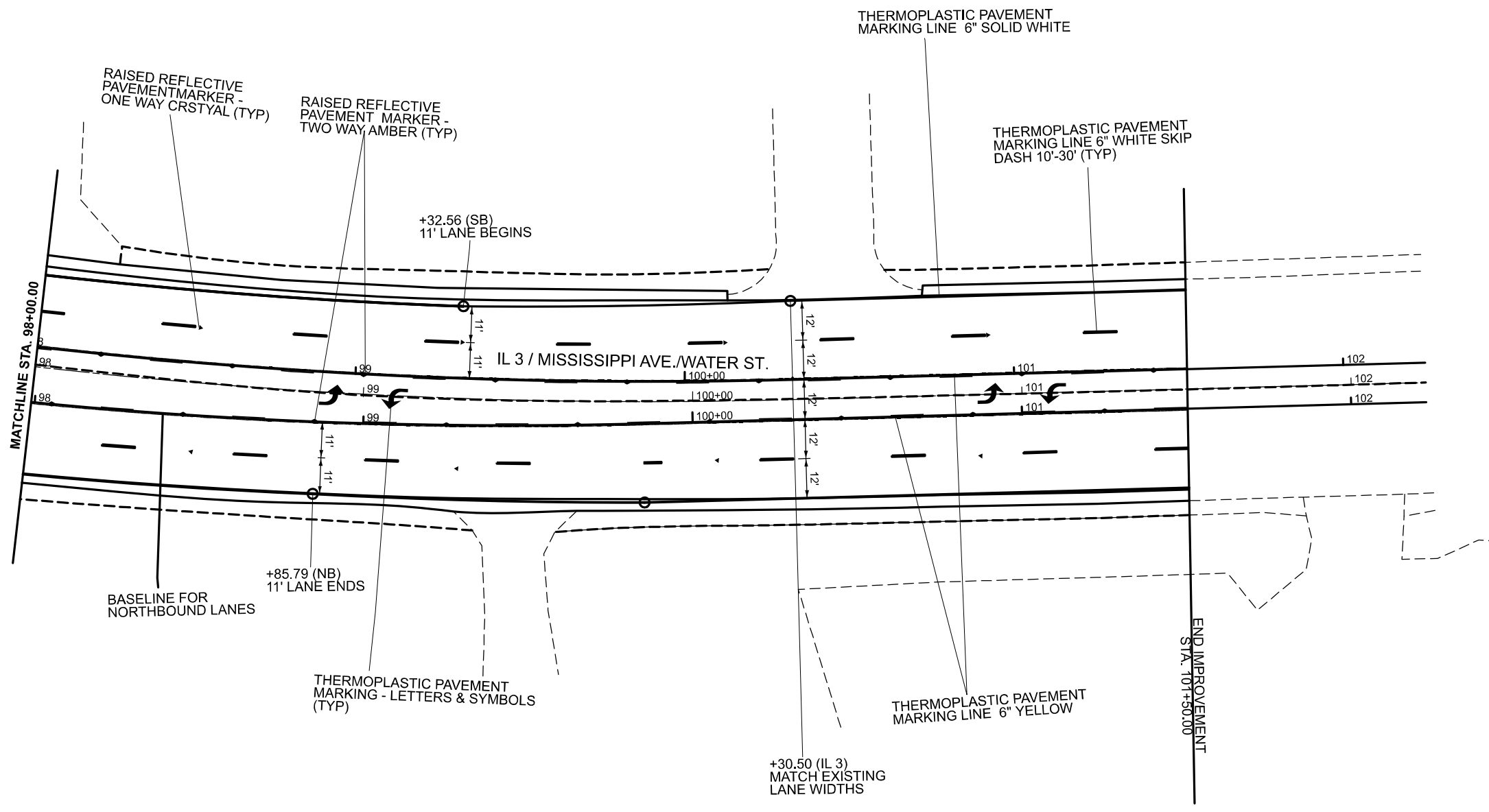
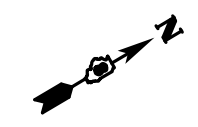
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PLOT DATE = 3/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. 92+00.00 TO STA. 98+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	20
CONTRACT NO. 76150				
ILLINOIS FED. AID PROJECT				



MODEL: EXCL-2 - IL 3 Pavement Markings-3 (Sheet)
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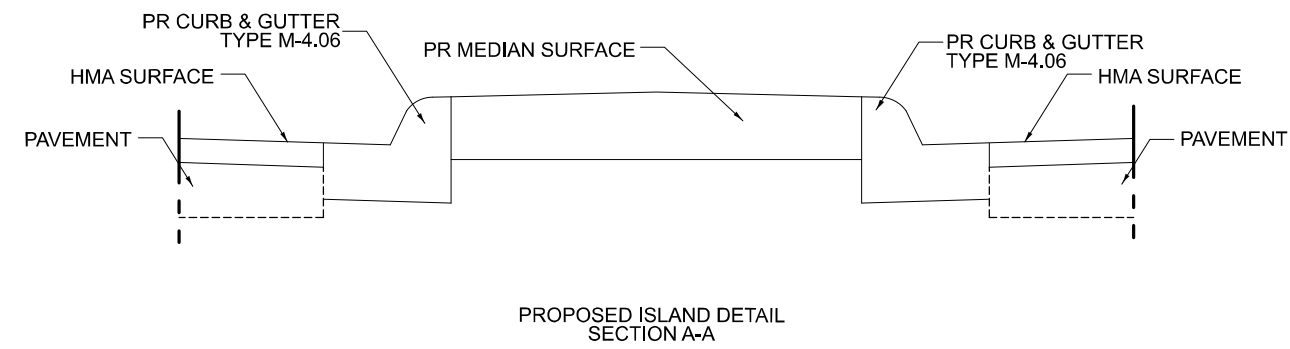
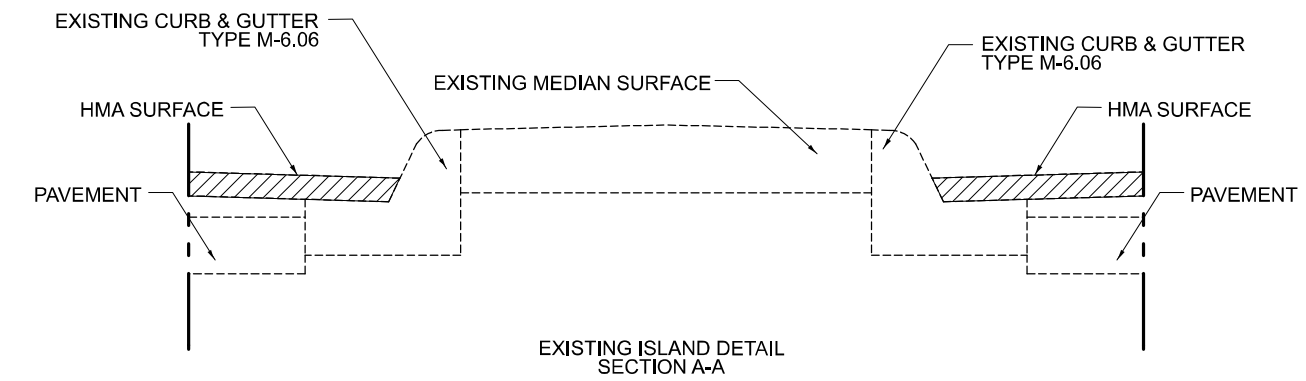
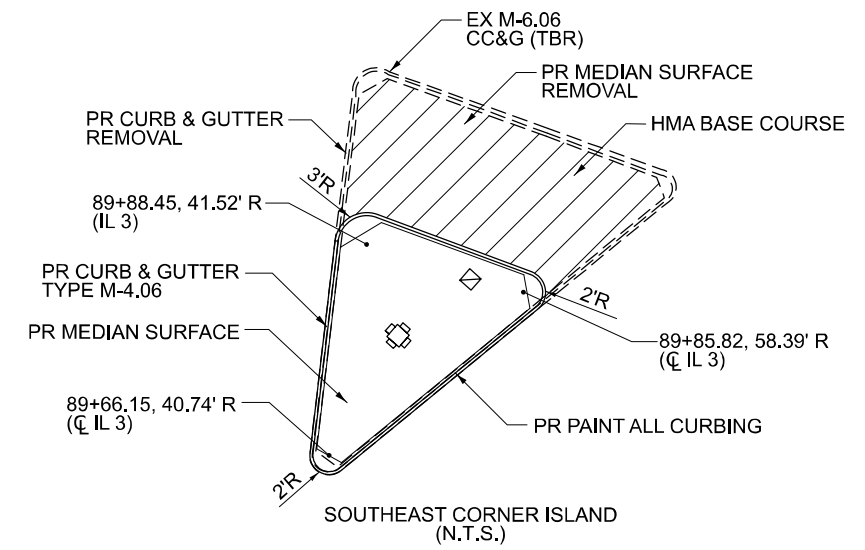
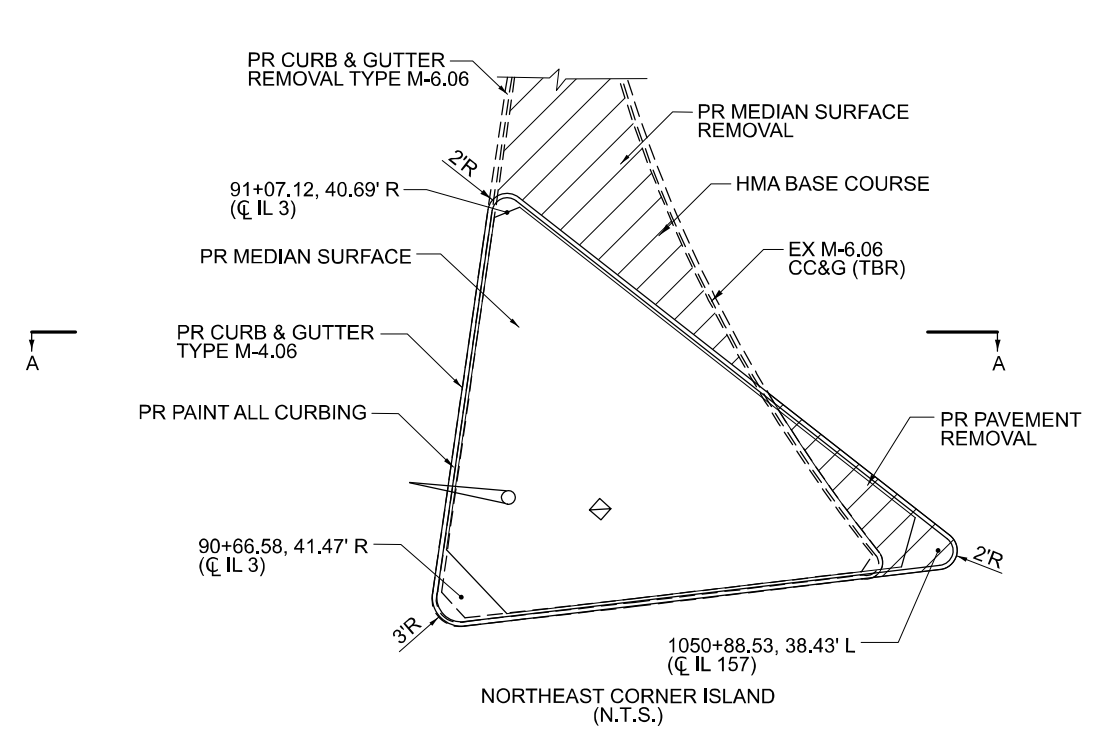
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PLOT DATE = 3/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 98+00.00 TO STA. 104+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	21
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				



MODEL: Island Detail [Sheet]
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PLOT DATE = 3/8/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ISLAND DETAILS,
GUTTER OUTLET SPECIAL DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64N	ST. CLAIR	25	22
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL GENERAL NOTES

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.
4. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
5. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
6. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD DRAWING 886001. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
7. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
8. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(A)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
9. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATION. AGENCIES KNOWN TO HAVE UNDERGROUND FACILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT ARE THE FOLLOWING: MEMBER OF J.U.L.I.E. PHONE (800) 892-0123 ARE INDICATED BY * (CALL ONE WEEK BEFORE YOU PLAN TO DIG).

*CITY OF COLUMBIA (WATER)	*AT&T ILLINOIS (COMMUNICATION)
PHILLIPS PETROLEUM COMPANY	*AMEREN ILLINOIS POWER (ELECTRIC AND GAS)
10. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
11. A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS. THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEM.

HIGHWAY STANDARDS

720001-01 857001-01 873001-02 877001-08 878001-11 880006-01 886001-01 886006-01	SIGN PANEL MOUNTING DETAILS STANDARD PHASE DESIGNATION DIAGRAMS - PHASE SEQUENCE TRAFFIC SIGNAL GROUNDING AND BONDING STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' CONCRETE FOUNDATION DETAILS TRAFFIC SIGNAL MOUNTING DETAILS DETECTOR LOOP INSTALLATIONS TYPICAL LAYOUTS FOR DETECTION LOOPS
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	PHASE (Φ)	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
21	SWB THRU CCO	2	6' X 6'	6	380.1
22	SWB THRU CCO	2	6' X 6'	6	379.2
51	SWB LEFT CD	5	6' X 50' (Q)	3-6-3	834.0
52	SWB LEFT CD	5	6' X 50' (Q)	3-6-3	831.3
53	SWB LEFT CCO	5	6' X 6'	6	348.4
54	SWB LEFT CCO	5	6' X 6'	6	346.8
61	NEB THRU CCO	6	6' X 6'	7	500.0
62	NEB THRU CCO	6	6' X 6'	7	497.6
85	NWB RIGHT CD	8	6' X 50' (Q)	3-6-3	798.8
86	NWB RIGHT CD	8	6' X 50' (Q)	3-6-3	801.0
87	NWB RIGHT CD	8	6' X 50' (Q)	3-6-3	800.5

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

SCHEDULE OF QUANTITIES			IL ROUTE 3 & IL ROUTE 157
CODE NO.	ITEM	UNIT	
72000100	SIGN PANEL, TYPE 1	SQ FT	30
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	23
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	124
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2625
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	145
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6	FOOT	170
87501100	TRAFFIC SIGNAL POST, 15 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	2
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	6
88500100	INDUCTIVE LOOP DETECTOR	EACH	11
88600100	DETECTOR LOOP, TYPE I	FOOT	1255
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X8771100	MAST ARM REPLACEMENT (SPECIAL)	EACH	1

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PLOT DATE = 3/18/2024	CHECKED - JZ	REVISED -
	DATE - 2/22/2024	REVISED -

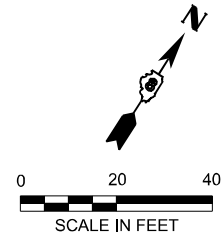
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL GENERAL NOTES AND QUANTITIES
IL ROUTE 3 AND IL ROUTE 157**

SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	D-98-022-24	ST. CLAIR	23	23
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 76T50



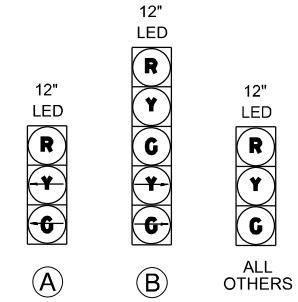
SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		←			↶	→		↷
CONCURRENT MOVEMENT PERMITTED		5 OR 6			2	2		

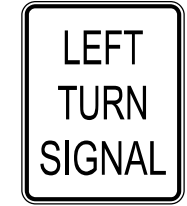
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER A = PROTECTED PHASE 5 + PERMITTED PHASE 8

TRAFFIC SIGNAL FACES



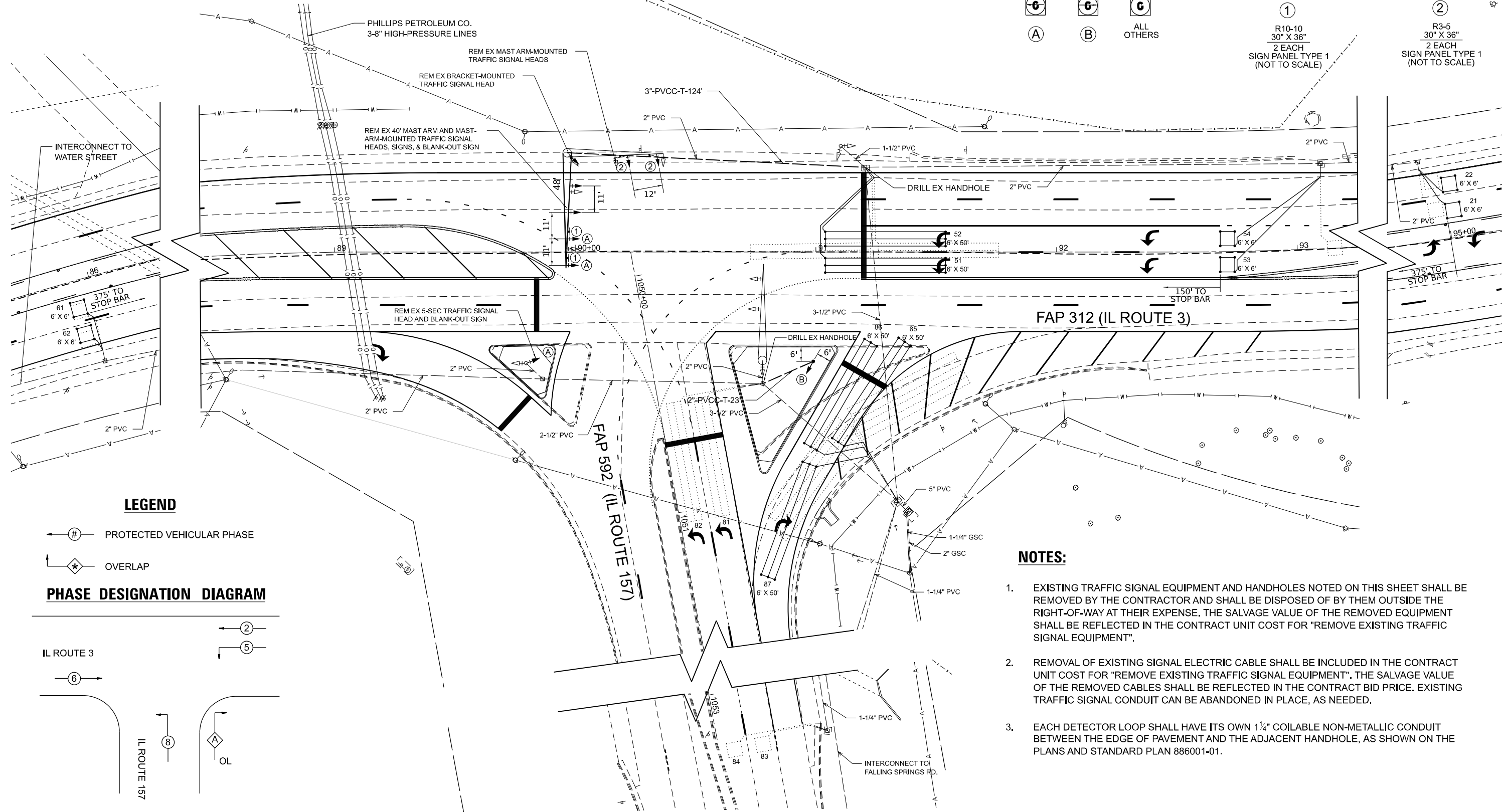
SIGNS



①
R10-10
30" X 36"
2 EACH
SIGN PANEL TYPE 1
(NOT TO SCALE)



②
R3-5
30" X 36"
2 EACH
SIGN PANEL TYPE 1
(NOT TO SCALE)

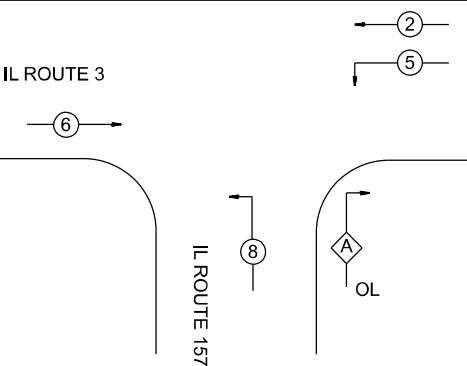


LEGEND

⊙ # PROTECTED VEHICULAR PHASE

⊙ * OVERLAP

PHASE DESIGNATION DIAGRAM



NOTES:

- EXISTING TRAFFIC SIGNAL EQUIPMENT AND HANDHOLES NOTED ON THIS SHEET SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT COST FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
- REMOVAL OF EXISTING SIGNAL ELECTRIC CABLE SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT". THE SALVAGE VALUE OF THE REMOVED CABLES SHALL BE REFLECTED IN THE CONTRACT BID PRICE. EXISTING TRAFFIC SIGNAL CONDUIT CAN BE ABANDONED IN PLACE, AS NEEDED.
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1/4" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE, AS SHOWN ON THE PLANS AND STANDARD PLAN 886001-01.

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PLOT DATE = 3/18/2024	CHECKED - JZ	REVISED -
	DATE - 2/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN
IL ROUTE 3 AND IL ROUTE 157**

SCALE: 1"=20'

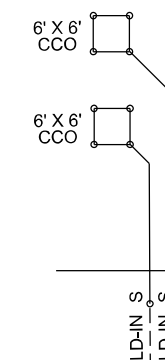
SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 312	SECTION D-98-022-24	COUNTY ST. CLAIR	TOTAL SHEETS 24	SHEET NO. 24
CONTRACT NO. 76T50			ILLINOIS FED. AID PROJECT	



FAP 312 (IL ROUTE 3)

FAP 312 (IL ROUTE 3)



EXISTING INTERCONNECT TO WATER STREET

LEGEND

- EXISTING CABLE NUMBER
* = CABLE NUMBER
- EXISTING TRAFFIC SIGNAL
- EXISTING TRAFFIC SIGNAL
W/ BACKPLATE
- PROPOSED CABLE NUMBER
* = CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- PROPOSED TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
W/ BACKPLATE
- CABLE SPLICE
(SEE GENERAL NOTES)
- CALL DELAY
(SEE GENERAL NOTES)
- CALL CARRY OVER
(SEE GENERAL NOTES)
- #6 AWG
AMERICAN WIRE GAUGE,
SIZE 6 CONDUCTORS
(SEE GENERAL NOTES)

FAP 592 (IL ROUTE 157)

CONTROLLER

EXISTING SERVICE INSTALLATION
(ON CONTROLLER CABINET)

EXISTING INTERCONNECT (UNDERGROUND)

EXISTING INTERCONNECT
TO FALLING SPRINGS ROAD

EXISTING INTERCONNECT (AERIAL) TO JEROME LANE
EXISTING UTILITY POLE

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PLOT DATE = 2/22/2024	CHECKED - JZ	REVISED -
	DATE - 2/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN
IL ROUTE 3 AND IL ROUTE 157**

SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 312	SECTION D-98-022-24	COUNTY ST. CLAIR	TOTAL SHEETS 25	SHEET NO. 25
CONTRACT NO. 76T50				
ILLINOIS FED. AID PROJECT				