

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	1
		ILLINOIS	CONTRACT NO. 76L09	

FOR INDEX OF SHEETS, SEE SHEET NO. 02

TRAFFIC DATA

IL 3 (FROM BEGINNING OF PROJECT TO 8TH ST.)

2018 ADT = 20400 (ESTIMATED)

SU = 9.4% MU = 10.3%

IL 3 (FROM 8TH ST. TO MONSANTO AVE.)

2018 ADT = 23800 (ESTIMATED)

SU = 11.2% MU = 8.6%

IL 3 (FROM MONSANTO AVE. TO CAMP JACKSON RD.)

2018 ADT = 19700 (ESTIMATED)

SU = 14.3% MU = 7.9%

IL 3 (FROM CAMP JACKSON RD. TO END OF PROJECT)

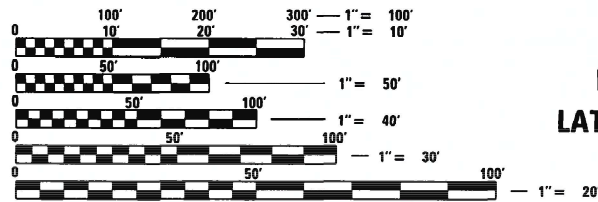
2018 ADT = 14700 (ESTIMATED)

SU = 13.0% MU = 6.3%

RR OMISSION MS 0.79 (0.006 MILE)

RR OMISSION MS 1.32 (0.002 MILE)

END PROJECT MS 3.66
LAT. 38.56198, LONG. -90.19181



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

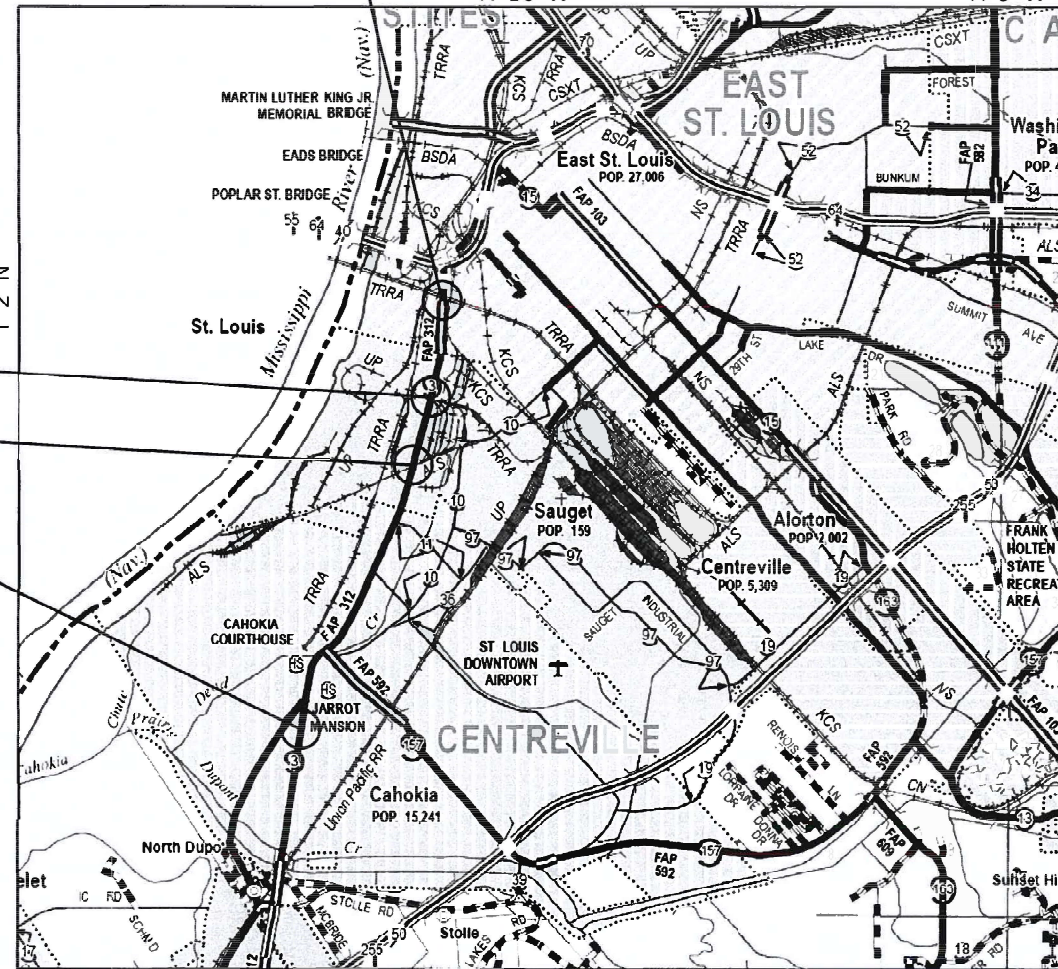
PROJECT ENGINEER: HERVE GELIN (618) 346-3179
DESIGNER: MARY SMITH (618) 346-3495

CONTRACT NO. 76L09

PROPOSED HIGHWAY PLANS

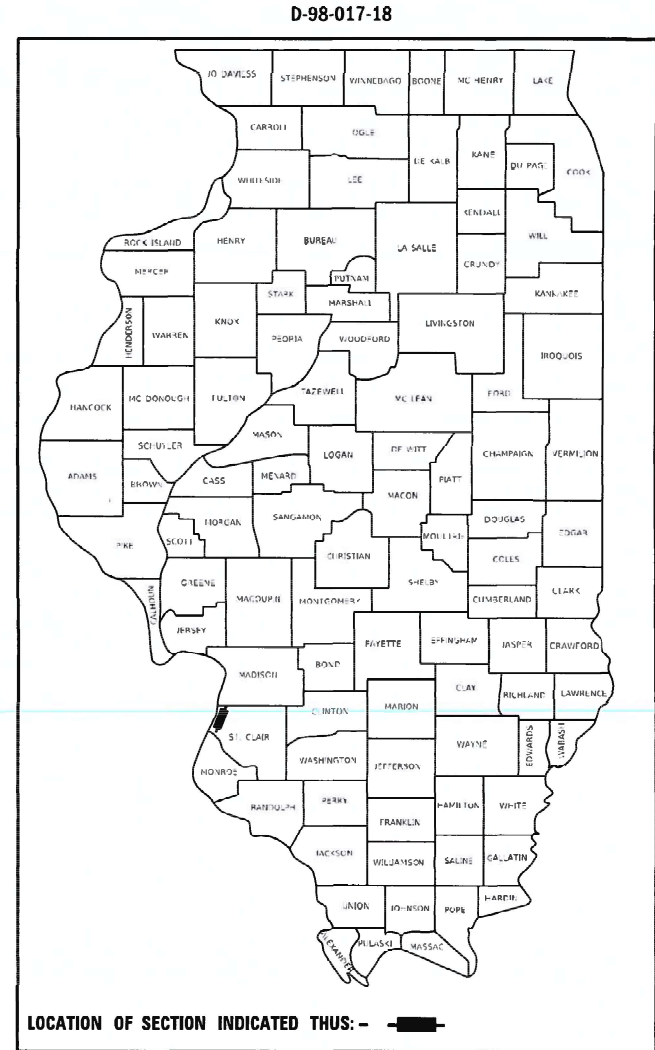
FAP ROUTE 312 (IL 003)
SECTION 64RS-4
PROJECT NHPP-XNJ4(629)
DESIGNED OVERLAY PROJECT
ST. CLAIR COUNTY

BEGIN PROJECT MS 0.00
LAT. 38.61115, LONG. -90.17166



GROSS LENGTH = 19324.80 FT. = 3.660 MILE
NET LENGTH = 19282.56 FT. = 3.652 MILE

NOT TO SCALE



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19, 2021
Keith Roberts
REGIONAL ENGINEER

May 7, 2021 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
0005				
URBAN				
20400800	FURNISHED EXCAVATION	CU YD	20	20
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	352	352
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	352	352
35100100	AGGREGATE BASE COURSE, TYPE A	TON	19	19
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	9	9
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	26	26
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	100563	100563
40600990	TEMPORARY RAMP	SQ YD	3363	3363
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	16270	16270
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	10781	10781
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	22945	22945
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	124961	124961
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	513	513
44003100	MEDIAN REMOVAL	SQ FT	6466	6466

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
0005				
URBAN				
44200050	WELDED WIRE REINFORCEMENT	SQ YD	790	790
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	125	125
44201047	CLASS B PATCHES, TYPE III, 16 INCH	SQ YD	86	86
44201048	CLASS B PATCHES, TYPE IV, 16 INCH	SQ YD	352	352
44201299	DOWEL BARS 1 1/2"	EACH	410	410
44213000	PATCHING REINFORCEMENT	SQ YD	38	38
44213200	SAW CUTS	FOOT	2548	2548
44213204	TIE BARS 3/4"	EACH	252	252
48100100	AGGREGATE SHOULDERS, TYPE A	TON	3740	3740
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	200	200
48203100	HOT-MIX ASPHALT SHOULDERS	TON	4442	4442
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2	2
60600605	CONCRETE CURB, TYPE B	FOOT	15	15

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PLOT DATE = 4/5/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	3
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE ROADWAY 0005 URBAN	
* 72000300	SIGN PANEL - TYPE 3	SQ FT	300	300	
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	300	300	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	30	30	
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3	3	
* 73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	140	140	
* 73800900	REMOVE OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	50	50	
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	2537.2	2537.2	
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	93623	93623	
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	560	560	
* 78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	1505	1505	
* 78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	440	440	
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	752	752	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1293	1293	

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE ROADWAY 0005 URBAN	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4	
* 78200020	CURB REFLECTORS	EACH	105	105	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	270	270	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	5243	5243	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	774	774	
X4402400	CURB REMOVAL (SPECIAL)	FOOT	20	20	
X4420557	CLASS A PATCHES, TYPE III, 10 INCH (SPECIAL)	SQ YD	38	38	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	36972	36972	
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	3	3	
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	143	143	
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	615	615	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	75533	75533	
Z0034105	MATERIAL TRANSFER DEVICE	TON	27051	27051	
Ø Z0076600	TRAINEES	HOUR	2000	2000	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000	2000	
X4421048	CLASS B PATCHES, TYPE IV, 16 INCH (SPECIAL)	SQ YD	352	352	

Ø 0042

REV. - MS

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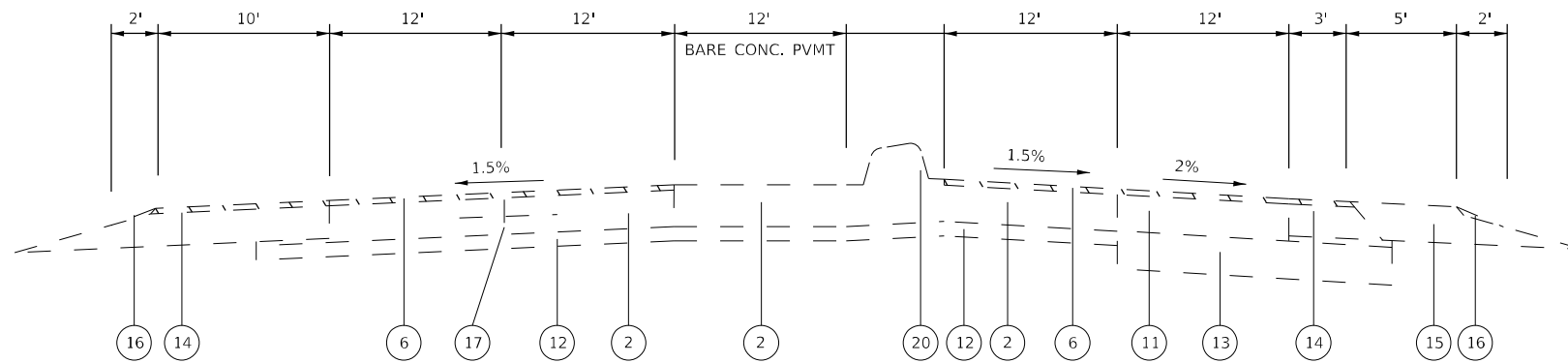
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

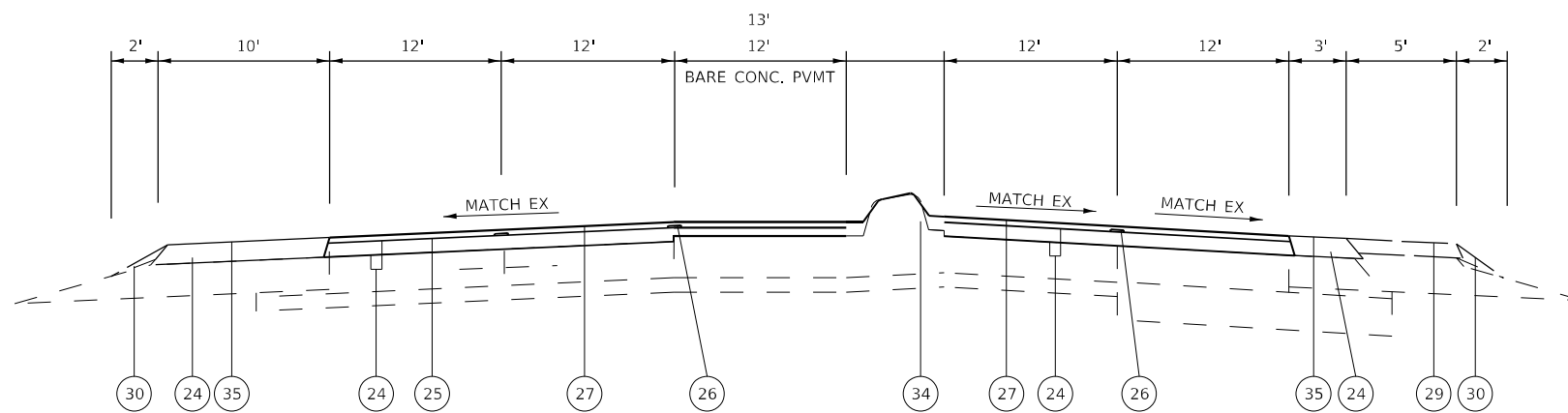
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	5
			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

MS 0.32 TO MS 0.37



PROPOSED TYPICAL SECTION

MS 0.32 TO MS 0.37

NOTE:
 MS 0.16 TO MS 0.45
 MILLED HMA SURFACE - PROPOSED HMA BINDER COURSE, 2 3/4"
 BARE CONCRETE PAVEMENT - PROPOSED HMA BINDER COURSE, 1 3/4"
 PROPOSED HMA SHOULDER, 4 1/4"

MS - MILE STATION

- ① EXISTING PCC PAVEMENT
- ② EXISTING JOINTED PCC PAVEMENT 10"
- ③ EXISTING PCC PAVEMENT 10"-8"-10"
- ④ EXISTING PCC PAVEMENT 9"-7"-9"
- ⑤ EXISTING SR PCC PAVEMENT 10"
- ⑥ EXISTING HMA OVERLAY 1.5"
- ⑦ EXISTING HMA OVERLAY 6"±
- ⑧ EXISTING HMA OVERLAY 3 1/4"±
- ⑨ EXISTING BITUMINOUS BASE COURSE 13"
- ⑩ EXISTING BITUMINOUS BASE COURSE 13 1/2"
- ⑪ EXISTING BIT CONC PAVEMENT, FULL DEPTH 12 3/4"
- ⑫ EXISTING STABILIZED SUB-BASE 4"
- ⑬ EXISTING MODIFIED LIME SOIL 12"
- ⑭ EXISTING STABILIZED SHOULDER 8"+
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE A
- ⑯ EXISTING AGG WEDGE SHLD, TYPE B
- ⑰ EXISTING LONGITUDINAL METAL JOINT
- ⑱ EXISTING COMB CONC C&G TYPE B-9.12
- ⑲ EXISTING PCC MEDIAN SURFACE 4"
- ⑳ EXISTING CONC MEDIAN, TYPE SB-6.12
- ㉑ EXISTING SR PCC CORRUGATED MEDIAN
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ㉕ PROPOSED HMA BINDER COURSE, 2 3/4"
- ㉖ PROPOSED HMA-LONGITUDINAL JOINT SEALANT
- ㉗ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ㉘ PROPOSED HMA SHOULDER, 3 3/4"
- ㉙ PROPOSED AGG SHOULDER, TYPE A
- ㉚ PROPOSED AGG WEDGE SHLD, TYPE B
- ㉛ PROPOSED MEDIAN REMOVAL
- ㉜ PROPOSED COMB CONC C&G, TYPE M-4.12
- ㉝ PROPOSED CONC MEDIAN SURF, 4 INCH
- ㉞ PROPOSED CONC MEDIAN, TYPE M-4.12
- ㉟ PROPOSED HMA SHOULDER, 4 1/4"

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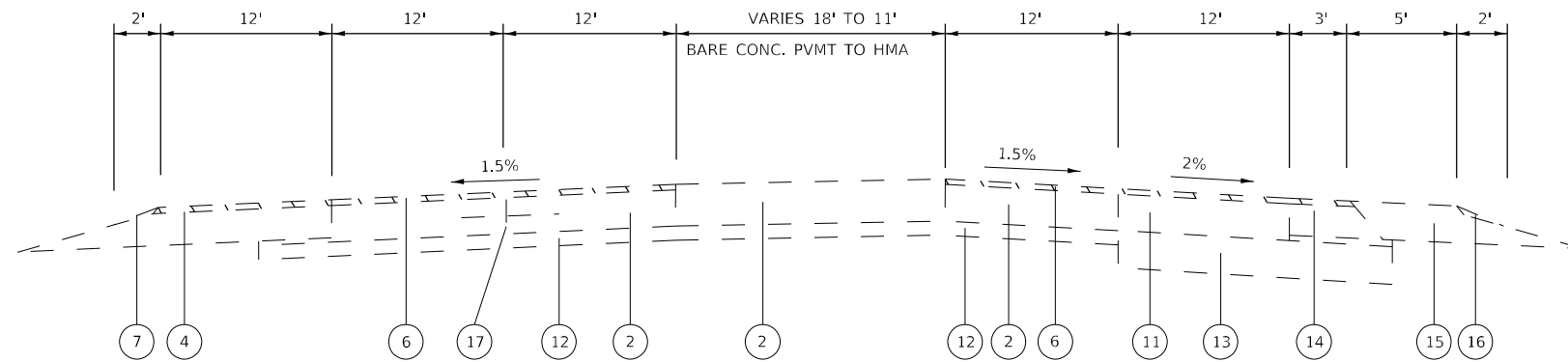
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

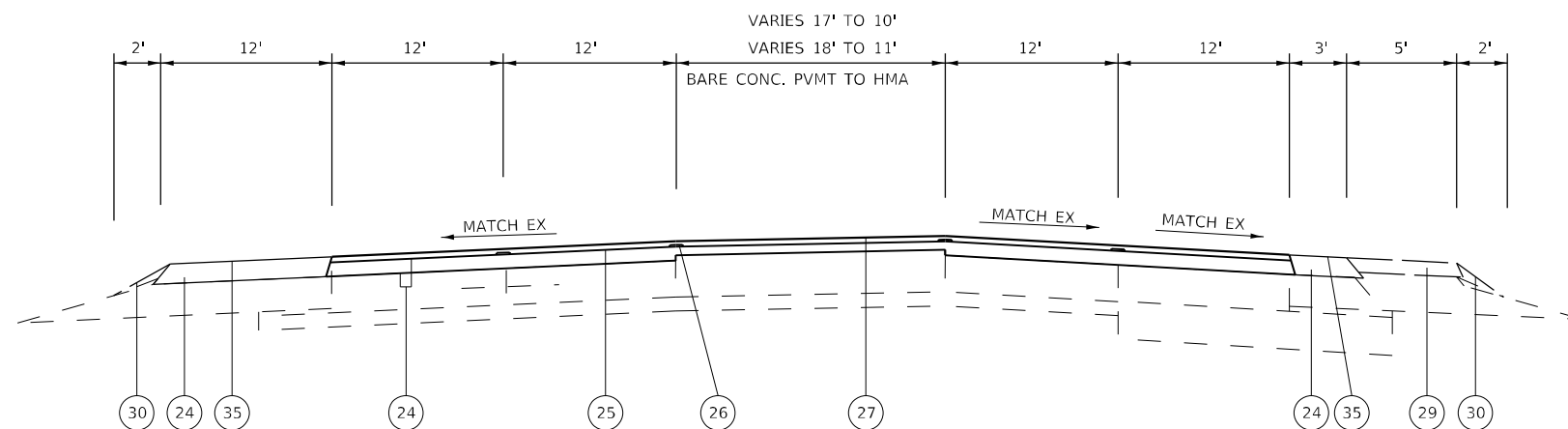
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	8
			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

MS 0.37 TO MS 0.42



PROPOSED TYPICAL SECTION

MS 0.37 TO MS 0.42

NOTE:
MS 0.16 TO MS 0.45
MILLED HMA SURFACE - PROPOSED HMA BINDER COURSE, 2 3/4"
BARE CONCRETE PAVEMENT - PROPOSED HMA BINDER COURSE, 1 1/4"
PROPOSED HMA SHOULDER, 4 1/4"

MS - MILE STATION

- 1 EXISTING PCC PAVEMENT
- 2 EXISTING JOINTED PCC PAVEMENT 10"
- 3 EXISTING PCC PAVEMENT 10"-8"-10"
- 4 EXISTING PCC PAVEMENT 9"-7"-9"
- 5 EXISTING SR PCC PAVEMENT 10"
- 6 EXISTING HMA OVERLAY 1.5"
- 7 EXISTING HMA OVERLAY 6"±
- 8 EXISTING HMA OVERLAY 3 3/4"±
- 9 EXISTING BITUMINOUS BASE COURSE 13"
- 10 EXISTING BITUMINOUS BASE COURSE 13 1/2"
- 11 EXISTING BIT CONC PAVEMENT, FULL DEPTH 12 3/4"
- 12 EXISTING STABILIZED SUB-BASE 4"
- 13 EXISTING MODIFIED LIME SOIL 12"
- 14 EXISTING STABILIZED SHOULDER 8"+
- 15 EXISTING AGGREGATE SHOULDER, TYPE A
- 16 EXISTING AGG WEDGE SHLD, TYPE B
- 17 EXISTING LONGITUDINAL METAL JOINT
- 18 EXISTING COMB CONC C&G TYPE B-9.12
- 19 EXISTING PCC MEDIAN SURFACE 4"
- 20 EXISTING CONC MEDIAN, TYPE SB-6.12
- 21 EXISTING SR PCC CORRUGATED MEDIAN
- 22 PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- 23 PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- 24 PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- 25 PROPOSED HMA BINDER COURSE, 2 1/4"
- 26 PROPOSED HMA-LONGITUDINAL JOINT SEALANT
- 27 PROPOSED HMA SURFACE COURSE, 1 1/2"
- 28 PROPOSED HMA SHOULDER, 3 3/4"
- 29 PROPOSED AGG SHOULDER, TYPE A
- 30 PROPOSED AGG WEDGE SHLD, TYPE B
- 31 PROPOSED MEDIAN REMOVAL
- 32 PROPOSED COMB CONC C&G, TYPE M-4.12
- 33 PROPOSED CONC MEDIAN SURF, 4 INCH
- 34 PROPOSED CONC MEDIAN, TYPE M-4.12
- 35 PROPOSED HMA SHOULDER, 4 1/4"

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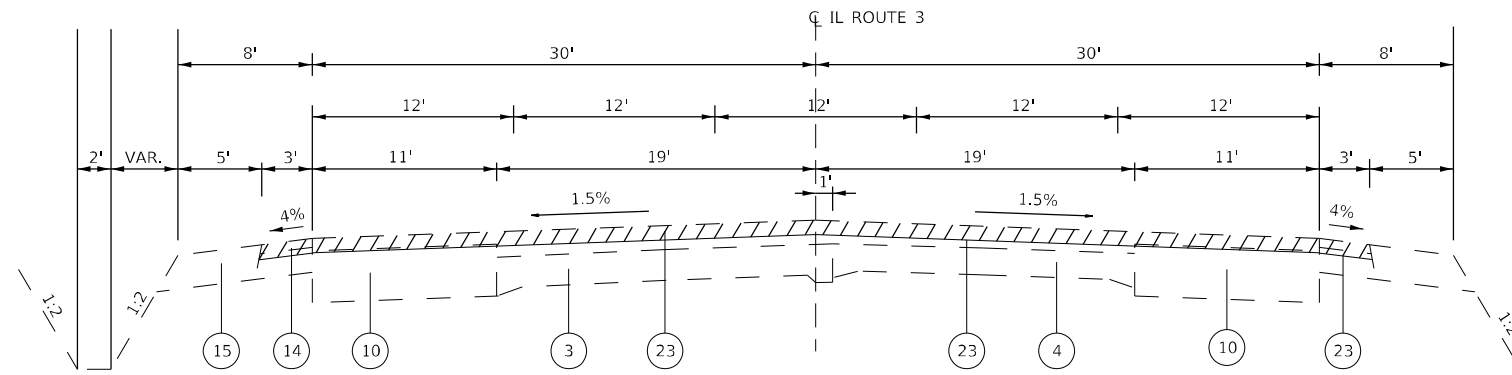
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

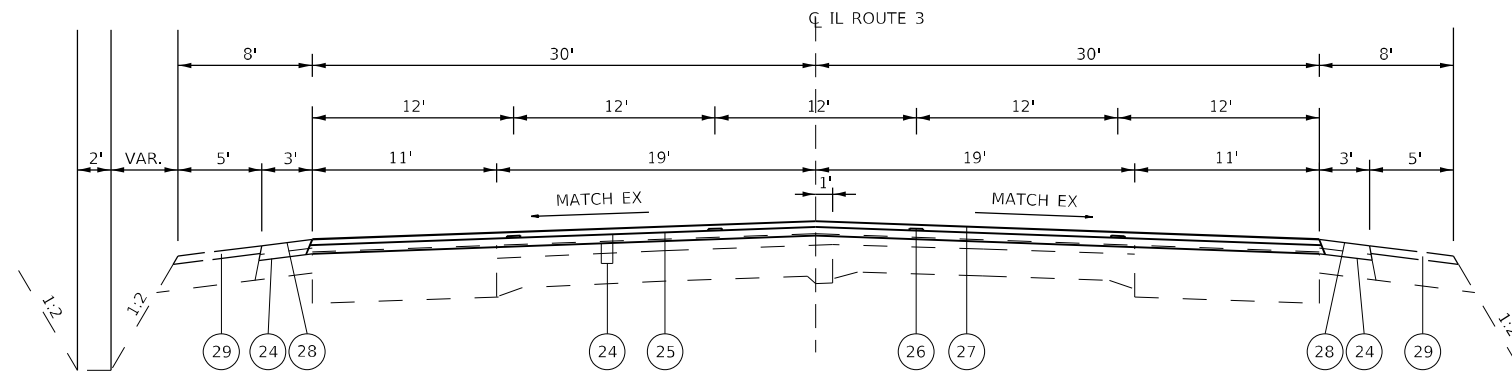
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	9
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



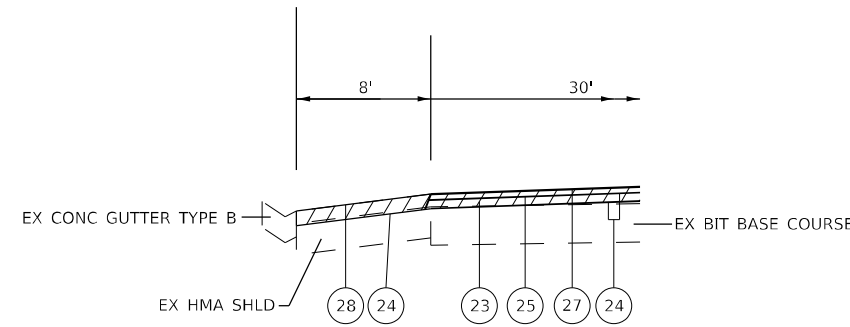
EXISTING TYPICAL SECTION

MS 0.95 TO MS 1.56
MS 1.69 TO MS 2.69



PROPOSED TYPICAL SECTION

MS 0.95 TO MS 1.56
MS 1.69 TO MS 2.69



RT MS 1.07 TO MS 1.21
RT MS 1.52 TO MS 1.56
RT MS 2.07 TO MS 2.16
RT MS 2.30 TO MS 2.37

- ① EXISTING PCC PAVEMENT
- ② EXISTING JOINTED PCC PAVEMENT 10"
- ③ EXISTING PCC PAVEMENT 10"-8"-10"
- ④ EXISTING PCC PAVEMENT 9"-7"-9"
- ⑤ EXISTING SR PCC PAVEMENT 10"
- ⑥ EXISTING HMA OVERLAY 1.5"
- ⑦ EXISTING HMA OVERLAY 6"±
- ⑧ EXISTING HMA OVERLAY 3 3/4"±
- ⑨ EXISTING BITUMINOUS BASE COURSE 13"
- ⑩ EXISTING BITUMINOUS BASE COURSE 13 1/2"
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- ⑮ EXISTING AGGREGATE SHOULDER, TYPE A
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- ⑰ EXISTING LONGITUDINAL METAL JOINT
- ⑱ EXISTING COMB CONC C&G TYPE B-9.12
- ⑲ EXISTING PCC MEDIAN SURFACE 4"
- ⑳ EXISTING CONC MEDIAN, TYPE SB-6.12
- ㉑ EXISTING SR PCC CORRUGATED MEDIAN
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ㉕ PROPOSED HMA BINDER COURSE, 2 1/4"
- ㉖ PROPOSED HMA-LONGITUDINAL JOINT SEALANT
- ㉗ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ㉘ PROPOSED HMA SHOULDER, 3 3/4"
- ㉙ PROPOSED AGG SHOULDER, TYPE A
- ㉚ PROPOSED AGG WEDGE SHLD, TYPE B
- ㉛ PROPOSED MEDIAN REMOVAL
- ㉜ PROPOSED COMB CONC C&G, TYPE M-4.12
- ㉝ PROPOSED CONC MEDIAN SURF, 4 INCH
- ㉞ PROPOSED CONC MEDIAN, TYPE M-4.12

MS - MILE STATION

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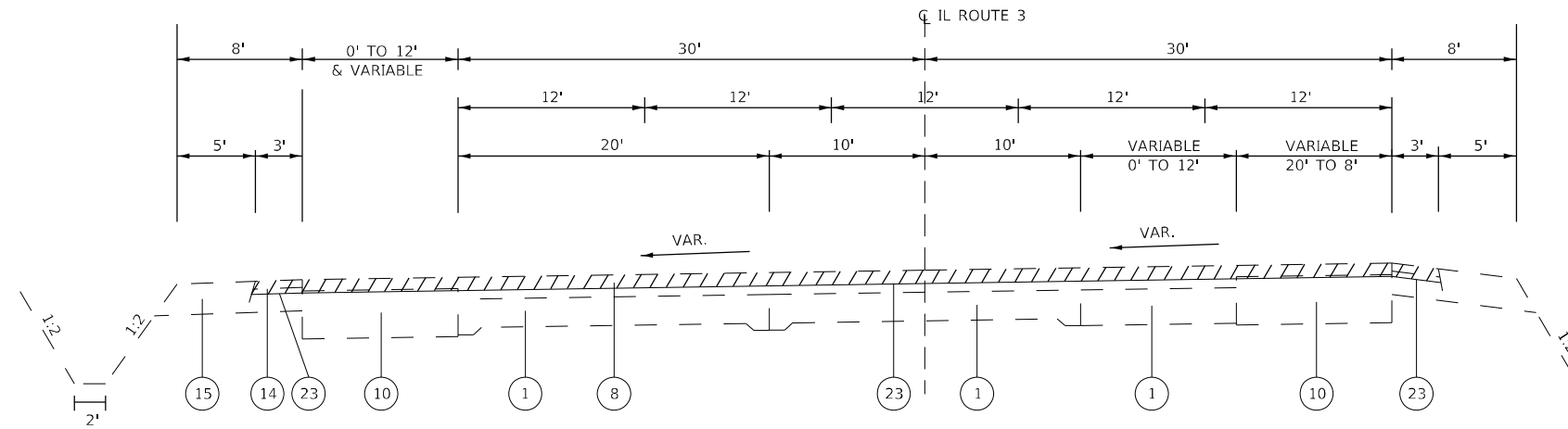
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

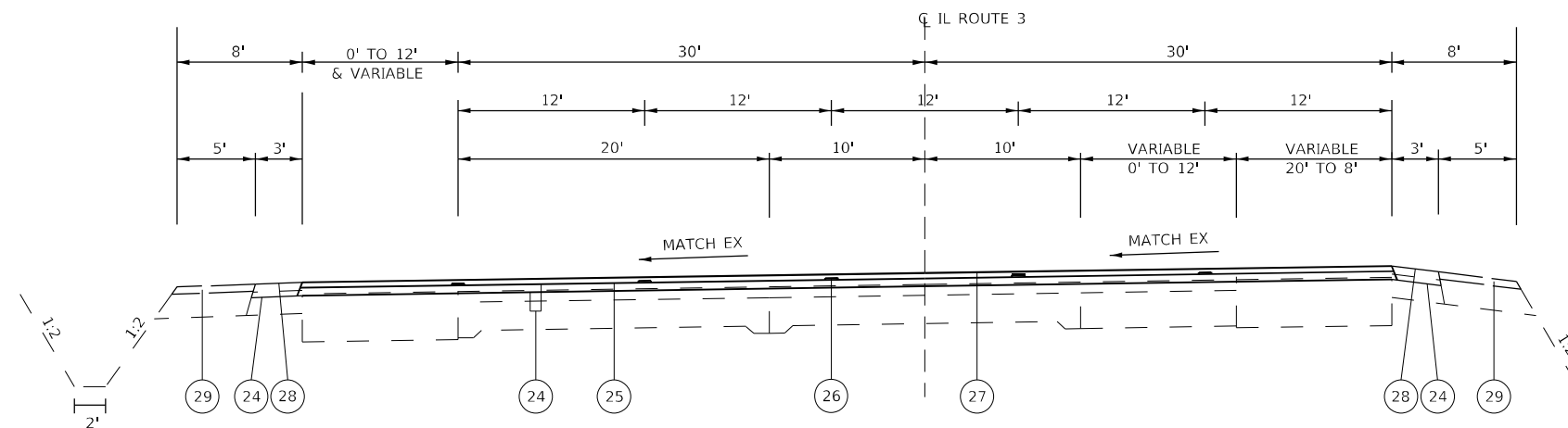
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	12
CONTRACT NO. 76L09			ILLINOIS FED. AID PROJECT	



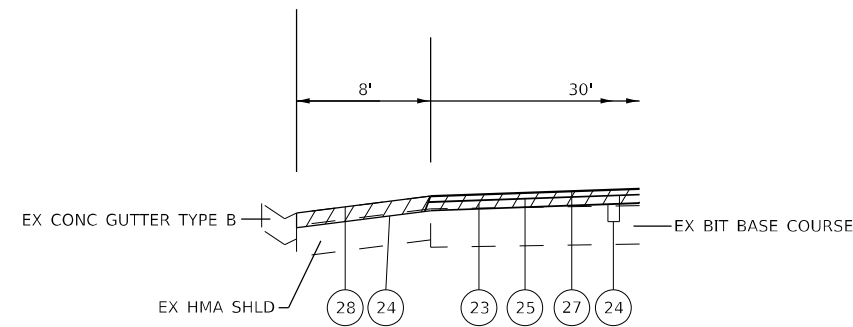
EXISTING TYPICAL SECTION

MS 1.56 TO MS 1.69
MS 2.69 TO MS 3.08





PROPOSED TYPICAL SECTION

MS 1.56 TO MS 1.69
MS 2.69 TO MS 3.08



RT MS 1.56 TO MS 1.61
RT MS 2.81 TO MS 2.94
LT MS 2.93 TO MS 3.03
LT MS 3.04 TO MS 3.08

- ① EXISTING PCC PAVEMENT
- ② EXISTING JOINTED PCC PAVEMENT 10"
- ③ EXISTING PCC PAVEMENT 10"-8"-10"
- ④ EXISTING PCC PAVEMENT 9"-7"-9"
- ⑤ EXISTING SR PCC PAVEMENT 10"
- ⑥ EXISTING HMA OVERLAY 1.5"
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- ⑱ EXISTING COMB CONC C&G TYPE B-9.12
- ⑲ EXISTING PCC MEDIAN SURFACE 4"
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- ㉑ EXISTING SR PCC CORRUGATED MEDIAN
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2" 
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4" 
- ㉔ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ㉕ PROPOSED HMA BINDER COURSE, 2 1/4"
- ㉖ PROPOSED HMA-LONGITUDINAL JOINT SEALANT
- ㉗ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ㉘ PROPOSED HMA SHOULDER, 3 3/4"
- ㉙ PROPOSED AGG SHOULDER, TYPE A
- ㉚ PROPOSED AGG WEDGE SHLD, TYPE B
- ㉛ PROPOSED MEDIAN REMOVAL
- ㉜ PROPOSED COMB CONC C&G, TYPE M-4.12
- ㉝ PROPOSED CONC MEDIAN SURF, 4 INCH
- ㉞ PROPOSED CONC MEDIAN, TYPE M-4.12

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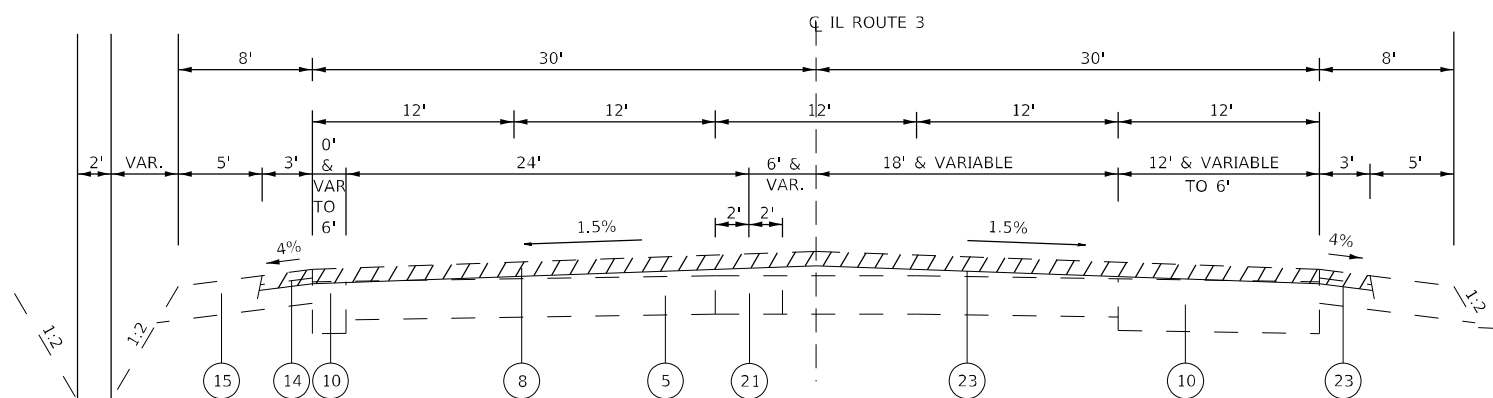
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

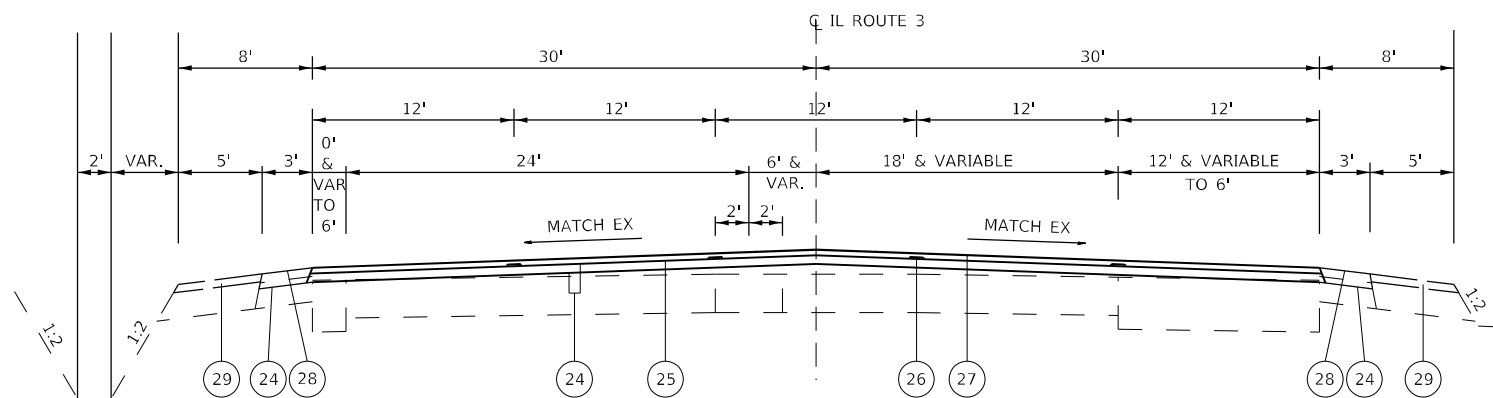
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	13
CONTRACT NO. 76L09			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION

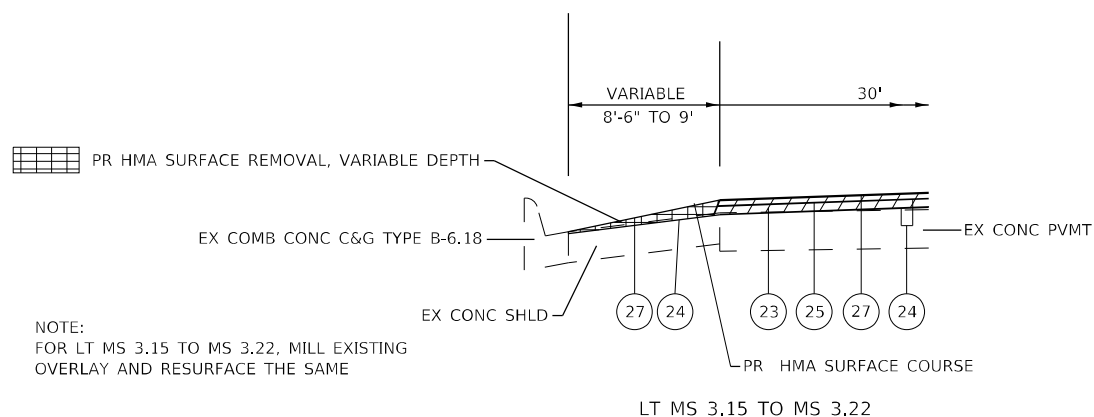
MS 3.08 TO MS 3.45



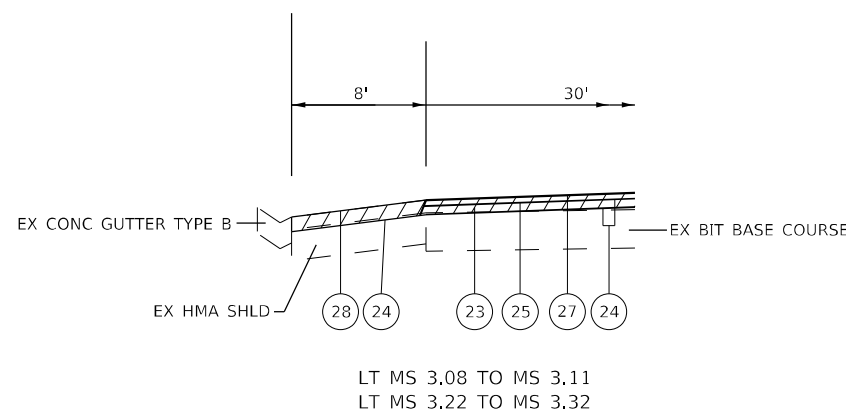
PROPOSED TYPICAL SECTION

MS 3.08 TO MS 3.45

- 1 EXISTING PCC PAVEMENT
- 2 EXISTING JOINTED PCC PAVEMENT 10"
- 3 EXISTING PCC PAVEMENT 10"-8"-10"
- 4 EXISTING PCC PAVEMENT 9"-7"-9"
- 5 EXISTING SR PCC PAVEMENT 10"
- 6 EXISTING HMA OVERLAY 1.5"
- 7 EXISTING HMA OVERLAY 6"±
- 8 EXISTING HMA OVERLAY 3 3/4"±
- 9 EXISTING BITUMINOUS BASE COURSE 13"
- 10 EXISTING BITUMINOUS BASE COURSE 13 1/2"
- 11 EXISTING BIT CONC PAVEMENT, FULL DEPTH 12 3/4"
- 12 EXISTING STABILIZED SUB-BASE 4"
- 13 EXISTING MODIFIED LIME SOIL 12"
- 14 EXISTING STABILIZED SHOULDER 8"+
- 15 EXISTING AGGREGATE SHOULDER, TYPE A
- 16 EXISTING AGG WEDGE SHLD, TYPE B
- 17 EXISTING LONGITUDINAL METAL JOINT
- 18 EXISTING COMB CONC C&G TYPE B-9.12
- 19 EXISTING PCC MEDIAN SURFACE 4"
- 20 EXISTING CONC MEDIAN, TYPE SB-6.12
- 21 EXISTING SR PCC CORRUGATED MEDIAN
- 22 PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- 23 PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- 24 PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- 25 PROPOSED HMA BINDER COURSE, 2 1/4"
- 26 PROPOSED HMA-LONGITUDINAL JOINT SEALANT
- 27 PROPOSED HMA SURFACE COURSE, 1 1/2"
- 28 PROPOSED HMA SHOULDER, 3 3/4"
- 29 PROPOSED AGG SHOULDER, TYPE A
- 30 PROPOSED AGG WEDGE SHLD, TYPE B
- 31 PROPOSED MEDIAN REMOVAL
- 32 PROPOSED COMB CONC C&G, TYPE M-4.12
- 33 PROPOSED CONC MEDIAN SURF, 4 INCH
- 34 PROPOSED CONC MEDIAN, TYPE M-4.12



LT MS 3.15 TO MS 3.22



LT MS 3.08 TO MS 3.11
LT MS 3.22 TO MS 3.32

NOTE:
FOR LT MS 3.15 TO MS 3.22, MILL EXISTING
OVERLAY AND RESURFACE THE SAME

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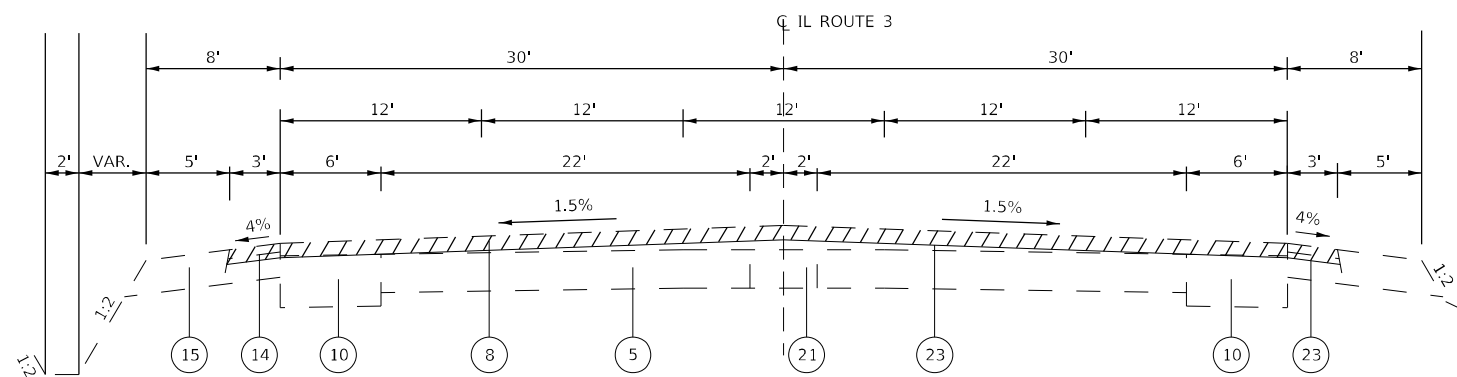
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

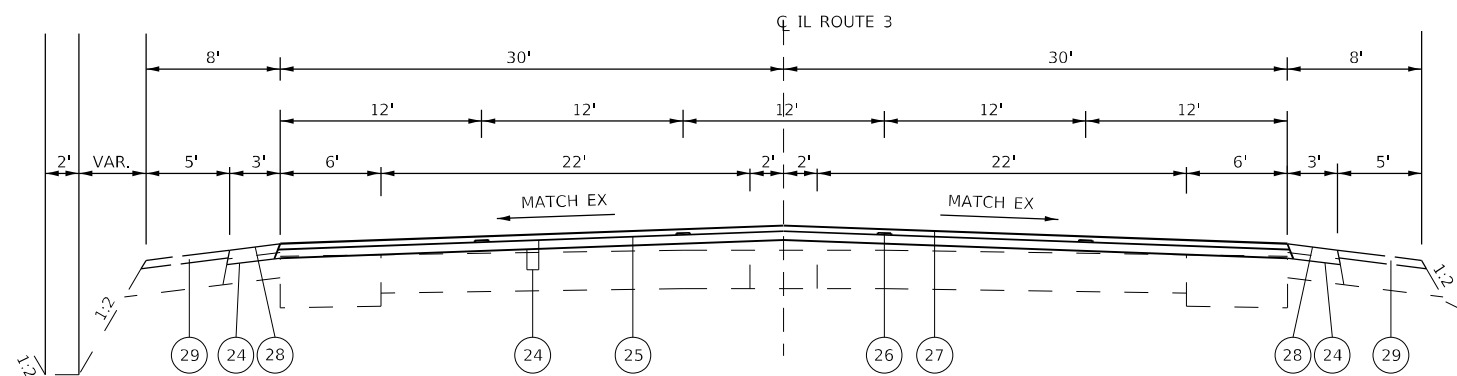
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	14
CONTRACT NO. 76L09			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION

MS 3.45 TO MS 3.66



PROPOSED TYPICAL SECTION

MS 3.45 TO MS 3.66

- ① EXISTING PCC PAVEMENT
- ② EXISTING JOINTED PCC PAVEMENT 10"
- ③ EXISTING PCC PAVEMENT 10"-8"-10"
- ④ EXISTING PCC PAVEMENT 9"-7"-9"
- ⑤ EXISTING SR PCC PAVEMENT 10"
- ⑥ EXISTING HMA OVERLAY 1.5"
- ⑦ EXISTING HMA OVERLAY 6"±
- ⑧ EXISTING HMA OVERLAY 3 ¼"±
- ⑨ EXISTING BITUMINOUS BASE COURSE 13"
- ⑩ EXISTING BITUMINOUS BASE COURSE 13 ½"
- ⑪ EXISTING BIT CONC PAVEMENT, FULL DEPTH 12 ¾"
- ⑫ EXISTING STABILIZED SUB-BASE 4"
- ⑬ EXISTING MODIFIED LIME SOIL 12"
- ⑭ EXISTING STABILIZED SHOULDER 8"+
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE A
- ⑯ EXISTING AGG WEDGE SHLD, TYPE B
- ⑰ EXISTING LONGITUDINAL METAL JOINT
- ⑱ EXISTING COMB CONC C&G TYPE B-9.12
- ⑲ EXISTING PCC MEDIAN SURFACE 4"
- ⑳ EXISTING CONC MEDIAN, TYPE SB-6.12
- ㉑ EXISTING SR PCC CORRUGATED MEDIAN
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 ½"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 ¾"
- ㉔ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ㉕ PROPOSED HMA BINDER COURSE, 2 ¼"
- ㉖ PROPOSED HMA-LONGITUDINAL JOINT SEALANT
- ㉗ PROPOSED HMA SURFACE COURSE, 1 ½"
- ㉘ PROPOSED HMA SHOULDER, 3 ¾"
- ㉙ PROPOSED AGG SHOULDER, TYPE A
- ㉚ PROPOSED AGG WEDGE SHLD, TYPE B
- ㉛ PROPOSED MEDIAN REMOVAL
- ㉜ PROPOSED COMB CONC C&G, TYPE M-4.12
- ㉝ PROPOSED CONC MEDIAN SURF, 4 INCH
- ㉞ PROPOSED CONC MEDIAN, TYPE M-4.12

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	15
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

LOCATION			HMA SURFACE REMOVAL, 3 3/4"	HMA SURFACE REMOVAL, 1 1/2"	HMA BINDER COURSE, IL-19.0, N90	BITUMINOUS MATERIAL (TACK COAT)	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N90	LONGITUDINAL JOINT SEALANT
MS	TO	MS	SQ YD	SQ YD	TON	POUND	TON	FOOT
IL ROUTE 3			MAINLINE					
SOUTHBOUND								
0.00	TO	0.24		3379.2	457	2281	284	1637
0.24	TO	0.32		1301.4	200	878	109	1267
0.32	TO	0.37		704.0	108	475	59	264
NORTHBOUND								
0.01	TO	0.32		4364.8	613	2946	367	1637
0.32	TO	0.37		1085.3	167	733	91	606
SOUTH & NORTHBOUND								
0.37	TO	0.42		1848	285	1247	155	1110
0.42	TO	0.51	1719	1056	396	2121	264	1901
0.51	TO	0.787	9100		1147	6143	764	5850
0.787	TO	0.793	RAILROAD OMISSION					
0.793	TO	0.95	5158		650	3482	433	829
0.95	TO	1.319	12989		1637	8767	1091	7793
1.319	TO	1.321	RAILROAD OMISSION					
1.321	TO	1.56	8413		1060	5679	707	5048
1.56	TO	1.69	4576		577	3089	384	3432
1.69	TO	2.69	35200		4435	23760	2957	21120
2.69	TO	3.08	13728		1730	9266	1153	10296
3.08	TO	3.45	13024		1641	8791	1094	7814
3.45	TO	3.66	7392		931	4990	621	4435
MEDIAN CROSSOVER					29	155	19	
8TH STREET			SIDEROAD					
WB TRAFFIC				848	16	473	71	178
EB TRAFFIC				830	43	496	70	315
PORT OF EAST ST LOUIS					95	419	52	
ADDITIONAL SIDEROADS AND 1 CE			415		52	280	35	
SUB-TOTAL			111714	15417	16270	86470	10781	75533
QUANTITIES FROM SHOULDER SCHEDULE			13247	7529		14094		
TOTAL			124961	22945	16270	100563	10781	75533

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	16
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

SHOULDER SCHEDULE

LOCATION			HMA SURFACE REMOVAL, 3 3/4"	HMA SURFACE REMOVAL, 1 1/2"	HMA SHOULDER	BITUMINOUS MATERIAL (TACK COAT)	AGGREGATE SHOULDERS, TYPE A	AGGREGATE WEDGE SHOULDER, TYPE B	
MS	TO	MS	SQ YD	SQ YD	TON	POUND	TON	TON	
IL ROUTE 3									
SOUTHBOUND									
0.00	TO	0.24		2816	617	1901		62	
0.24	TO	0.32		235	56	158		10	
0.32	TO	0.37		88	21	59	32	6	
NORTHBOUND									
0.01	TO	0.24		2699	593	1822		59	
0.24	TO	0.32		563	134	380		10	
0.32	TO	0.37		293	70	198		6	
SOUTH & NORTHBOUND									
0.37	TO	0.42		279	66	188	51	13	
0.42	TO	0.51	174	106	67	214	92	23	
0.51	TO	0.787	650		137	439	355		
0.787	TO	0.793	RAILROAD OMISSION						
0.793	TO	0.95	368		77	249	201		
0.95	TO	1.07	422		89	285	154		
1.07	TO	1.21	903		190	610	90		
1.21	TO	1.319	384		81	259	140		
1.319	TO	1.321	RAILROAD OMISSION						
1.321	TO	1.52	700		147	473	255		
1.52	TO	1.61	581		122	392	58		
1.61	TO	2.07	1619		340	1093	590		
2.07	TO	2.16	581		122	392	58		
2.16	TO	2.30	493		103	333	180		
2.30	TO	2.37	452		95	305	45		
2.37	TO	2.81	1549		325	1045	565		
2.81	TO	2.93	774		163	523	154		
2.93	TO	2.94	94		20	63	0		
2.94	TO	3.03	581		122	392	58		
3.03	TO	3.04	35		7	24	13		
3.04	TO	3.11	452		95	305	45		
3.11	TO	3.15	141		30	95	51		
3.15	TO	3.22	452		95	305	45		
3.22	TO	3.32	645		136	436	64		
3.32	TO	3.66	1197		251	808	436		
MEDIAN CROSSOVER									
8TH STREET									
WB TRAFFIC					164	15	111	2	
EB TRAFFIC					286	42	193	5	
PORT OF EAST ST LOUIS									
SUB-TOTAL				13247	7529	4442	14094	3740	200
QUANTITIES FROM MAINLINE SCHEDULE			111714	15417		86470			
TOTAL			124961	22945	4442	100563	3740	200	

HMA SURFACE REMOVAL VARIABLE DEPTH

LOCATION		HMA SURFACE REMOVAL, VARIABLE DEPTH
MS		SQ YD
IL ROUTE 3		
0.45	RESURFACING AND MILLING TRANSITION	404
3.15 TO 3.22	LT SHOULDER	370
TOTAL		774

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	17
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

CLASS A PATCHING SCHEDULE							
MS	LANE	SOUTHBOUND LANES		CLASS A PATCHES, 10 INCH (SPECIAL)		PATCHING	
		LENGTH FOOT	WIDTH FOOT	TY-III SQ YD		SAW CUTS FOOT	REINFORCEMENT SQ YD
0	MEDIAN CROSSOVER						
0.05	DL	12	12	16		73	16
0.05	PL	12	12	16		73	16
SUB-TOTAL				32		146	32
ANTICIPATED FAILURES 20%				6		29	6
QUANTITY FROM CLASS B PATCHING SCHEDULE						2372	
TOTAL				38		2548	38

CLASS B PATCHING SCHEDULE														
MILE STATION	LANE	NORTHBOUND LANES		CLASS B PATCHES, 16 INCH				SAW CUTS FOOT	DOWEL BARS EACH	TIE BARS EACH	WELDED WIRE REINFORCEMENT SQ YD	GEOTECHNICAL FABRIC SQ YD	SUBBASE GRANULAR MATERIAL, TYPE B 6" SQ YD	
		LENGTH FOOT	WIDTH FOOT	TY-II SQ YD	TY-III SQ YD	TY-IV SQ YD	TY-IV (SPECIAL) SQ YD							
NB	0.00	JOINT S OF RUBY ST												
NB	0.40	DL	20.00	12.00			26.7	89	20		26.7			
NB	0.75	DL	100.00	12.00			133.3	249	20	50	133.3	133.3	133.3	
NB	0.78	DL	120.00	12.00			160.0	289	20	60	160.0	160.0	160.0	
NB	2.30	DL	12.00	12.00		16.0		73	20		16.0			
NB	2.30	PL	12.00	12.00		16.0		73	20		16.0			
NB	2.30	BDL	14.00	12.00		18.7		77	20		18.7			
NB	2.60	PL	10.00	12.00	13.3			69	20					
NB	2.60	BDL	10.00	12.00	13.3			69	20					
NB	2.61	PL	10.00	12.00	13.3			69	20					
NB	2.61	BDL	10.00	12.00	13.3			69	20					
NB	3.00	DL	100.00	12.00			133.3	249	20	50	133.3			
NB	3.30	DL	10.00	12.00	13.3			69	20					
NB	3.30	PL	10.00	12.00	13.3			69	20					
SB	0.00	MEDIAN CROSSOVER												
SB	0.10	DL	8.00	12.00	10.7			65	20					
SB	0.10	PL	10.00	12.00	13.3			69	20					
SB	0.11	DL	100.00	12.00			133.3	249	20	50	133.3			
SB	1.30	PL	16.00	12.00		21.3		81	20		21.3			
SUB-TOTAL				104.0	72.0	293.3	293.3	1977	340	210	658.0	293.3	293.3	
ANTICIPATED FAILURES 20%				20.8	14.4	58.7	58.7	395.4	68	42	131.7	58.7	58.7	
QUANTITY FROM CLASS A PATCHING SCHEDULE								175.2						
ROUNDED TOTAL				125	86	352	352	2548	408	252	790	352	352	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	18
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

RAISED REFLECTIVE PAVEMENT MARKERS

STATION			ONE-WAY AMBER	ONE-WAY CRYSTAL	TWO-WAY AMBER
MS	TO	MS	EACH	EACH	EACH
IL ROUTE 3					
SOUTHBOUND					
0.00	TO	0.24		16	
0.24	TO	0.32		8	
8TH STREET (ACROSS)					
0.32	TO	0.42		6	
NORTHBOUND					
0.01	TO	0.32		19	
8TH STREET (ACROSS)					
0.32	TO	0.42		7	
SOUTH & NORTHBOUND					
0.42	TO	0.77		55	84
MONSANTO AVE (ACROSS)					
0.77		0.789		5	3
0.789	TO	0.795	RAILROAD OMISSION		
0.795	TO	1.319		74	125
1.319	TO	1.321	RAILROAD OMISSION		
1.321	TO	1.53		32	45
QUEENY AVE (ACROSS)					
1.53		2.19		94	158
JEROME LN					
2.19		2.90	5	95	173
CAMP JACKSON RD (IL 157)					
2.90		3.29	4	53	93
WATER ST/5TH ST					
3.29		3.61		45	79
SOUTH OF ST. MONICA DR					
3.61	TO	3.66		6	7
8TH STREET					
WB TRAFFIC				2	
EB TRAFFIC					
SUBTOTAL			9	517	767
TOTAL			1293		

PAINT PAVEMENT MARKING (MEDIANS AND ISLAND) SCHEDULE

LOCATION	DIRECTION	RAISED MEDIAN	CURB
		SQ FT	FOOT
IL ROUTE 3 AT 8TH ST.	NORTH MEDIAN	55	48
	SOUTH MEDIAN	88	148
8TH STREET	NORTHERN ISLAND		60
	MEDIAN		183
	SOUTHERN ISLAND		176
TOTAL		143	615

SIGN SCHEDULE

LOCATION	SIGN PANEL - TYPE 1		
	REMOVE AND RE-ERECT EXISTING SIGN	TELESCOPING STEEL SIGN SUPPORT	BASE FOR TELESCOPING STEEL SIGN SUPPORT
	EACH	FOOT	EACH
IL ROUTE 3 AT 8TH ST.			
NORTH MEDIAN	1	10	1
SOUTH MEDIAN	2	20	2
TOTAL	3	30	3

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	20
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

MEDIAN AND ISLAND SCHEDULE

LOCATION	DIRECTION	CURB REMOVAL (SPECIAL)	COMBINATION CURB & GUTTER REMOVAL	MEDIAN REMOVAL	CLASS SI CONC (OUTLET)	DOWEL BARS 1-1/2 INCH	COMBINATION CONCRETE CURB & GUTTER				CONCRETE MEDIAN SURFACE, 4 INCH	CONCRETE MEDIAN	CURB REFLECTORS
							TYPE M-4.12	TYPE B-6.06	TYPE B-6.24	TYPE B-9.12			
		FOOT	FOOT	SQ FT	CU YD	EACH	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	EACH
IL ROUTE 3 AT 8TH ST.	NORTH MEDIAN			5050	2		659				4442		28
	SOUTH MEDIAN			729								729	18
8TH STREET	NORTHERN ISLAND			440				20	30		172		12
	MEDIAN		263			2			263				15
	SOUTHERN ISLAND		250					105	132		2080		32
IL 3 N OF IL 157	WEST SIDE	20											
TOTAL		20	513	6219	2	2	659	125	162	263	6694	729	105

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL TYPE 6	SPBGR, TYPE A, 6 FOOT POST	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	REMOVE & REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	REMOVE & REERECT SPBGR, TYPE A	REMOVE & REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	TERMINAL MARKER- DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	CONCRETE CURB, TYPE B
MILE STATION	FOOT	EACH	FOOT	EACH	EACH	FOOT	EACH	EACH	EACH	FOOT
0.01 NB	150	1	62.5	1	1	87.5	1	1	4	15
TOTAL	150	1	62.5	1	1	87.5	1	1	4	15

SIGN TRUSS SCHEDULE

LOCATION	REMOVE SIGN PANEL -TYPE 3	SIGN PANEL -TYPE 3	REMOVE OVERHEAD SIGN STRUCTURE WALKWAY	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A
	SQ FT	SQ FT	FOOT	FOOT
IL ROUTE 3 S OF 8TH ST.	300	300	50	140
TOTAL	300	300	50	140

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	21
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

TEMPORARY RAMP / ACCESS SCHEDULE

LOCATION		ENTR / SR	MATL	SIZE			TEMPORARY RAMP SQ YD	AGGREGATE FOR TEMPORARY ACCESS TON	COMMENTS
MS	RT/LT			WIDTH (FT)	LENGTH (FT)	AREA (SQ YD)			
IL ROUTE 3									
0.00		BPSB	HMA	18	44	88	88		
0.01		BPNB	HMA	36	24	96	96		
		MCR	HMA	8	25	22	22		
		MCR	HMA	8	25	22	22		
	RT	SR	PCC	8	150	133	133		PORT OF EAST ST LOUIS
	LT	SR	HMA	8	150	133	133		8TH STREET
0.32									
	LT	TRL	HMA	8	213	189	189		
0.45		RAMT	HMA	21	66	154	154		
	RT	CE	HMA / AGG	3	60	20	20		
	LT	CE	HMA	3	50	17	17		
	LT	CE	PCC	3	50	17	17		
	LT	CE	HMA	3	50	17	17		
	RT	CE	AGG	3	150	50		5	
	RT	SR	PCC	3	100	33	33		YELLOW BRICK ROAD
	RT	CE	HMA	3	110	37	37		
	RT	SR	HMA	3	150	50	50		MONSANTO AVE
	LT	SR	HMA	3	150	50	50		MONSANTO AVE
0.77									
	LT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	60	20	20		
	RT	CE	AGG	3	50	17		2	
	LT	CE	HMA APRON	3	50	17	17		RR ACCESS
	RT	CE	AGG	3	30	10		1	RR ACCESS
	LT	CE	AGG	3	30	10		1	RR ACCESS
	RT	CE	AGG	3	30	10		1	RR ACCESS
	LT	CE	AGG	3	30	10		1	RR ACCESS
	RT	CE	AGG	3	30	10		1	RR ACCESS
	LT	CE	PCC	3	100	33	33		
	LT	CE	HMA	3	60	20	20		
	RT	SR	HMA	3	100	33	33		QUEENY AVENUE
	LT	SR	HMA	3	160	53	53		QUEENY AVENUE
1.53									
	LT	FE	AGG	3	30	10		1	
	LT	CE	PCC	3	65	22	22		MOTOMART
	LT	CE	HMA	3	65	22	22		MOTOMART
			SUB - TOTAL				1315	13	

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 DATE: 3/23/2021

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	22
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

TEMPORARY RAMP / ACCESS SCHEDULE

LOCATION		ENTR / SR	MATL	SIZE			TEMPORARY RAMP SQ YD	AGGREGATE FOR TEMPORARY ACCESS TON	COMMENTS
MS	RT/LT			WIDTH (FT)	LENGTH (FT)	AREA (SQ YD)			
	LT	CE	HMA	3	60	20	20		SPORTS BAR & GRILL
	LT	CE	HMA	3	60	20	20		SPORTS BAR & GRILL
	LT	CE	HMA	3	60	20	20		
	RT	CE	AGG	3	75	25		3	RR ACCESS
1.79	LT	SR	HMA SURF /HMA	3	107	36	36		JUDITH LANE
	LT	CE	HMA	3	50	17	17		PRAXAIR WELDING GAS & SUPPLY STORE
	LI	CE	HMA	3	50	17	17		PRAXAIR WELDING GAS & SUPPLY STORE
	RT	CE	PCC	3	150	50	50		PHILLIP 66 EAST ST LOUIS TERMINAL
	LT	CE	HMA	3	50	17	17		STRIP MALL
	LT	CE	HMA	3	50	17	17		
	LT	SR	HMA	3	65	22	22		DAVID STREET
	LT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	50	17	17		
	LT	SR	HMA	3	70	23	23		SCHOOL STREET
	LT	CE	HMA	3	50	17	17		
	RT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	50	17	17		
	RT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	50	17	17		
	RT	CE	PCC	3	0				PCC ENTR EXTENDS TO TRAFFIC LANES
	LT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	30	10	10		EMPTY FIELD
	LT	SR	HMA	3	68	23	23		CAHOKIA STREET
	LT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	50	17	17		
2.19	LT	SR	HMA SURF /HMA	3	222	74	74		JEROME LANE
	LT	CE	HMA	3	50	17	17		
	LT	CE	HMA	3	50	17	17		BLOCKED FURTHER BACK CONC BOLLARDS
	LT	SR	HMA SURF /HMA	3	65	22	22		LEE STREET
	RT	SR	HMA/PCC	3	100	33	33		PRODUCTION PKWY
		SR ABOVE TWO LINES							HMA SHLD THEN HMA APRON THEN PCC ENTR
	LT	CE	PCC	3	50	17	17		PCC ENTR EXTENDS TO TRAFFIC LANES
	LT	PE	AGG	3	30	10		1	
	LT	CE	HMA	3	80	27	27		
			SUB - TOTAL				696	4	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	23
			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				

TEMPORARY RAMP / ACCESS SCHEDULE

LOCATION		ENTR / SR	MATL	SIZE			TEMPORARY RAMP SQ YD	AGGREGATE FOR TEMPORARY ACCESS TON	COMMENTS
MS	RT / LT			WIDTH (FT)	LENGTH (FT)	AREA (SQ YD)			
	RT	SR	HMA/PCC	3	100	33	33	INDUSTRIAL PARK	
		SR ABOVE TWO LINES						PCC ENTR EXTENDS TO BIT SHLD	
	LT	SR	HMA	3	100	33	33	JUDITH STREET	
	LT	CE	AGG	3	60	20	2		
	LT	CE	HMA	3	60	20	20		
	LT	SR	HMA	3	100	33	33	GLORIA STREET	
	RT	CE	PCC	3	0			PCC ENTR EXTENDS TO TRAFFIC LANES	
	LT	SR	HMA	3	100	33	33	HISSRICH STREET	
	RT	CE	HMA	3	60	20	20		
	LT	SR	HMA	3	100	33	33	EDGAR STREET	
	RT	CE	PCC	3	60	20	20	PCC ENTR EXTENDS TO BIT SHLD	
	LT	CE	PCC	3	0			PCC ENTR EXTENDS TO TRAFFIC LANES	
	LT	CE	HMA	3	60	20	20		
	LT	PE	HMA	3	50	17	17		
	LT	SR	HMA	3	100	33	33	CIRCLE CREEK LN	
	LT	PE	HMA	3	50	17	17		
	RT	CE	PCC	3	0			PCC ENTR EXTENDS TO TRAFFIC LANES	
	LT	CE	HMA	3	60	20	20		
	RT	CE	HMA	3	60	20	20		
	RT	CE	HMA / PCC	3	60	20	20	HMA APRON THEN CONC	
2.90	LT	PE	HMA	3	60	20	20		
	LT	SR	HMA	3	0			CAMP JACKSON RD (IL ROUTE 157)	
	RT	CE	HMA	3	60	20	20		
	RT	CE	HMA	3	60	20	20		
	RT	CE	HMA	3	60	20	20		
	LT	SR	HMA	3	100	33	33	FIRST STREET	
	RT	SR	HMA	3	100	33	33	FIRST STREET	
	RT	CE	HMA	3	150	50	50		
	RT	CE	HMA	3	100	33	33		
	RT	SR	HMA	3	64	21	21	SECOND STREET	
	LT	SR	HMA	3	60	20	20	SECOND STREET	
	RT	PE	HMA	3	30	10	10		
	LT	CE	AGG	3	50	17		2	
	LT	CE	HMA / PCC	3	50	17	17	8' HMA SHLD THEN PCC PVMT	
	RT	PE	AGG	3	30	10		1	
	LT	CE	HMA / PCC	3	50	17	17	8' HMA SHLD THEN PCC PVMT	
			SUB - TOTAL				688	5	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	24
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

TEMPORARY RAMP / ACCESS SCHEDULE

LOCATION		ENTR / SR	MATL	SIZE			TEMPORARY RAMP SQ YD	AGGREGATE FOR TEMPORARY ACCESS TON	COMMENTS
MS	RT / LT			WIDTH (FT)	LENGTH (FT)	AREA (SQ YD)			
	RT	SR	HMA	3	60	20	20		THIRD STREET
	LT	SR	HMA	3	50	17	17		THIRD STREET
	LT	CE	HMA/PCC	3	50	17	17		8' HMA SHLD THEN PCC PVMT
	RT	PE	HMA	3	50	17	17		HMA APRON
	LT	CE	HMA/PCC	3	50	17	17		8' HMA SHLD THEN PCC PVMT
	LT	CE	HMA/PCC	3	50	17	17		8' HMA SHLD THEN PCC GUTTER THEN HMA
	RT	PE	AGG	3	80	27		3	
	RT	SR	HMA	3	66	22	22		FOURTH STREET
	LT	SR	HMA/PCC	3	50	17	17		FOURTH STREET
		SR ABOVE TWO LINES					0		8' HMA SHLD THEN PCC GUTTER THEN HMA
	RT	PE	AGG	3	30	10		1	
3.29	RT	SR	HMA	3	173	58	58		WATER STREET
3.29	LT	SR	HMA	3	50	17	17		FIFTH STREET
	LT	CE	HMA	3	60	20	20		NO ENTRY FURTHER BACK CONC BLOCKS
	LT	CE	HMA	3	60	20	20		
	RT	CE	HMA/PCC	3	71	24	24		GAS STATION
	RT	CE	HMA	3	60	20	20		
	LT	CE	HMA	3	60	20	20		
	RT	CE	HMA	3	60	20	20		
	LT	CE	HMA	3	60	20	20		
	RT	CE	HMA	3	60	20	20		
	LT	CE	HMA	3	60	20	20		
	RT	SR	HMA	3	72	24	24		ADA STREET
	LT	CE	HMA	3	60	20	20		
	LT	CE	HMA	3	60	20	20		
	LT	CE	HMA	3	60	20	20		
	RT	CE	PCC	3	60	20	20		PCC ENTR EXTENDS TO BIT SHLD
	LT	CE	HMA	3	60	20	20		
	RT	SR	HMA	3	66	22	22		RUBY STREET
3.60	LT	SR	HMA	3	72	24	24		ST MONICA DR
3.66		END PROJ	HMA	13	66	95	95		
			SUB - TOTAL				665	4	
			TOTAL				3363	26	

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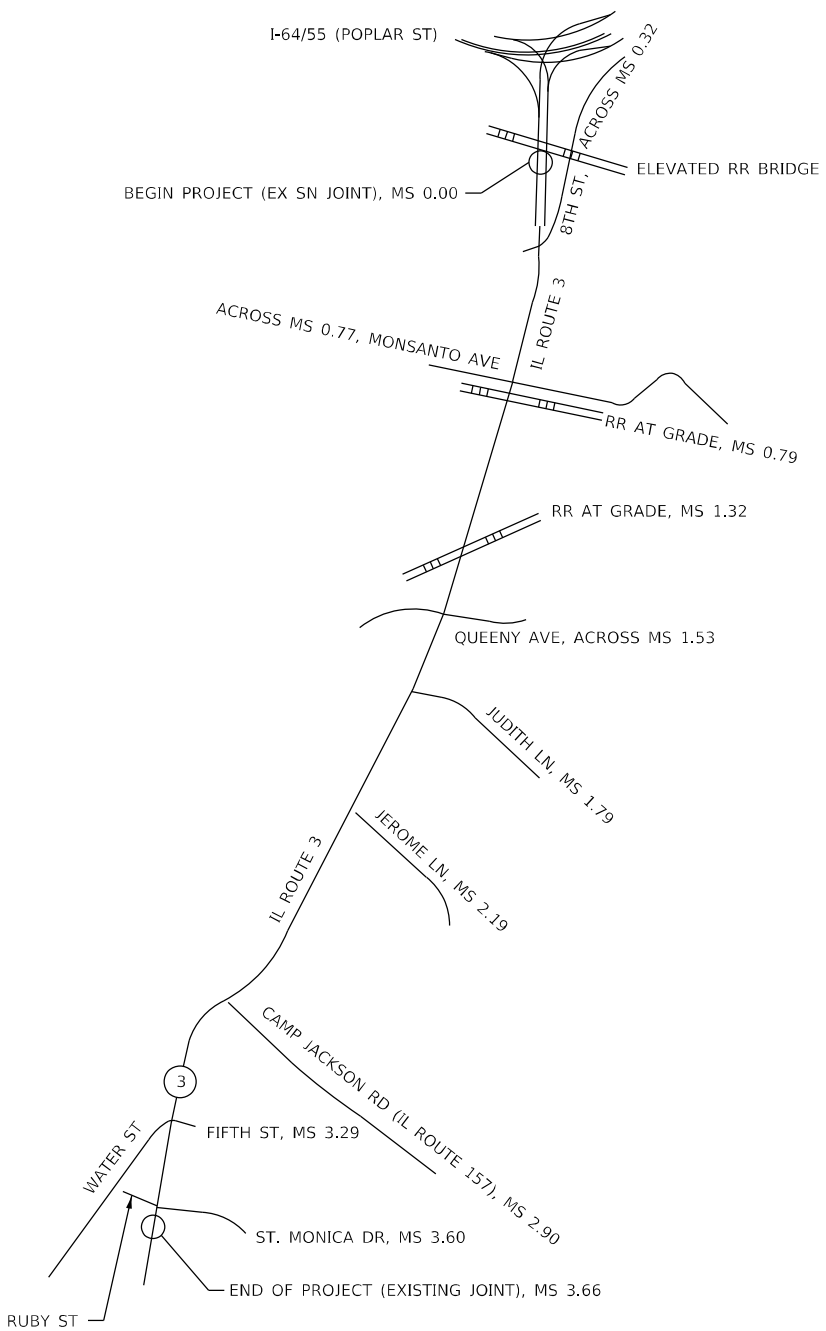
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	25
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

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NOT TO SCALE

MS - MILE STATION



DETAILED LOCATION MAP

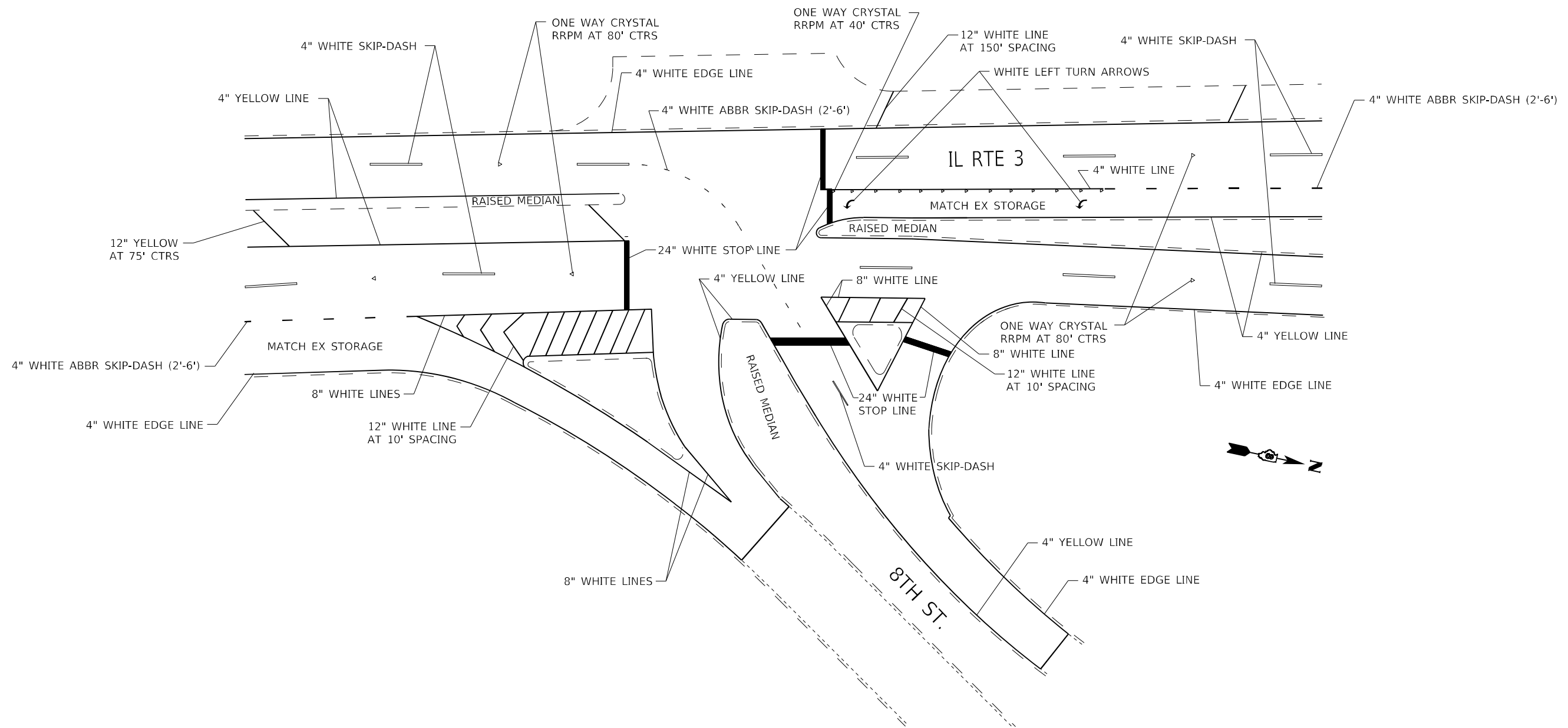
SIGNALIZED INTERSECTIONS SHOWN EXCEPT FOR JUDITH LN AND RUBY ST/ST. MONICA DR

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PLOT DATE = 3/23/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	26
CONTRACT NO. 76L09			ILLINOIS FED. AID PROJECT	



NOT TO SCALE

IL 3 AND 8TH ST

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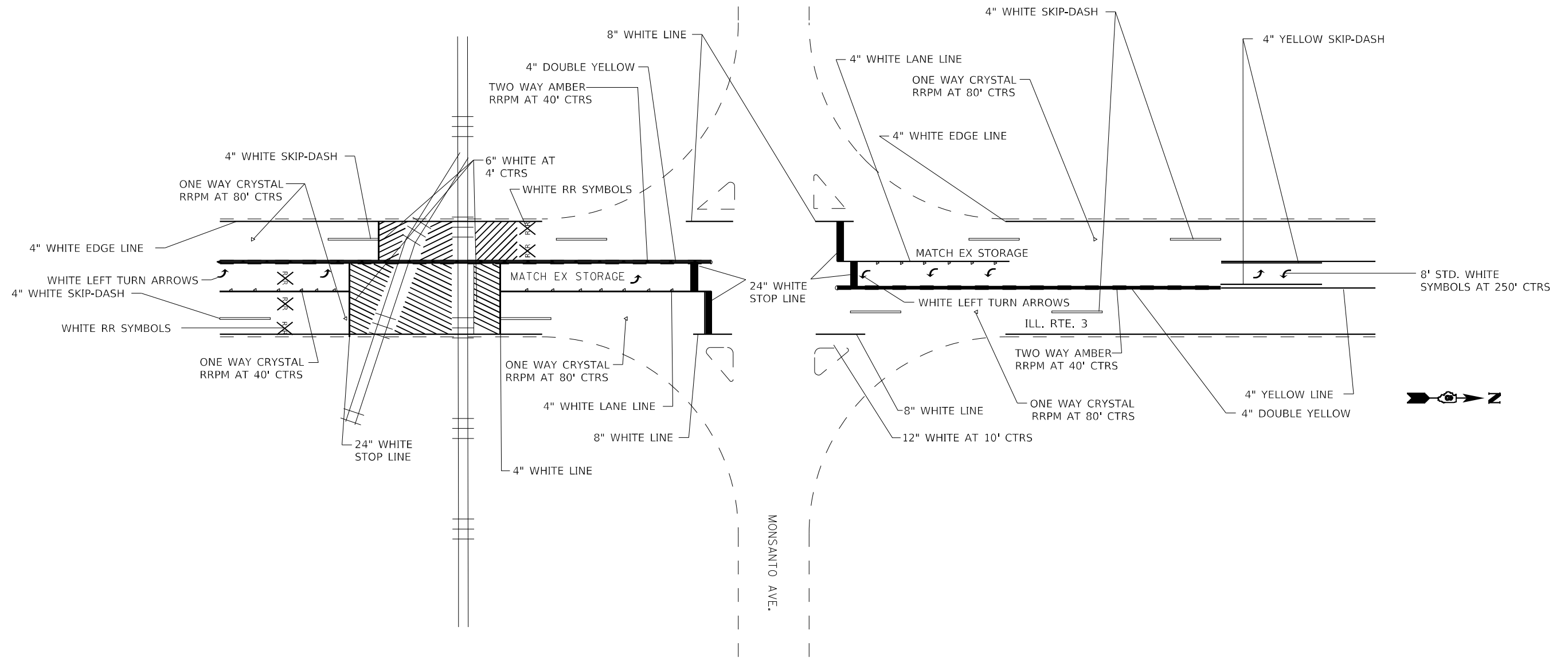
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PLOT DATE = 4/2/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	27
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

IL 3 AND MONSANTO AVE

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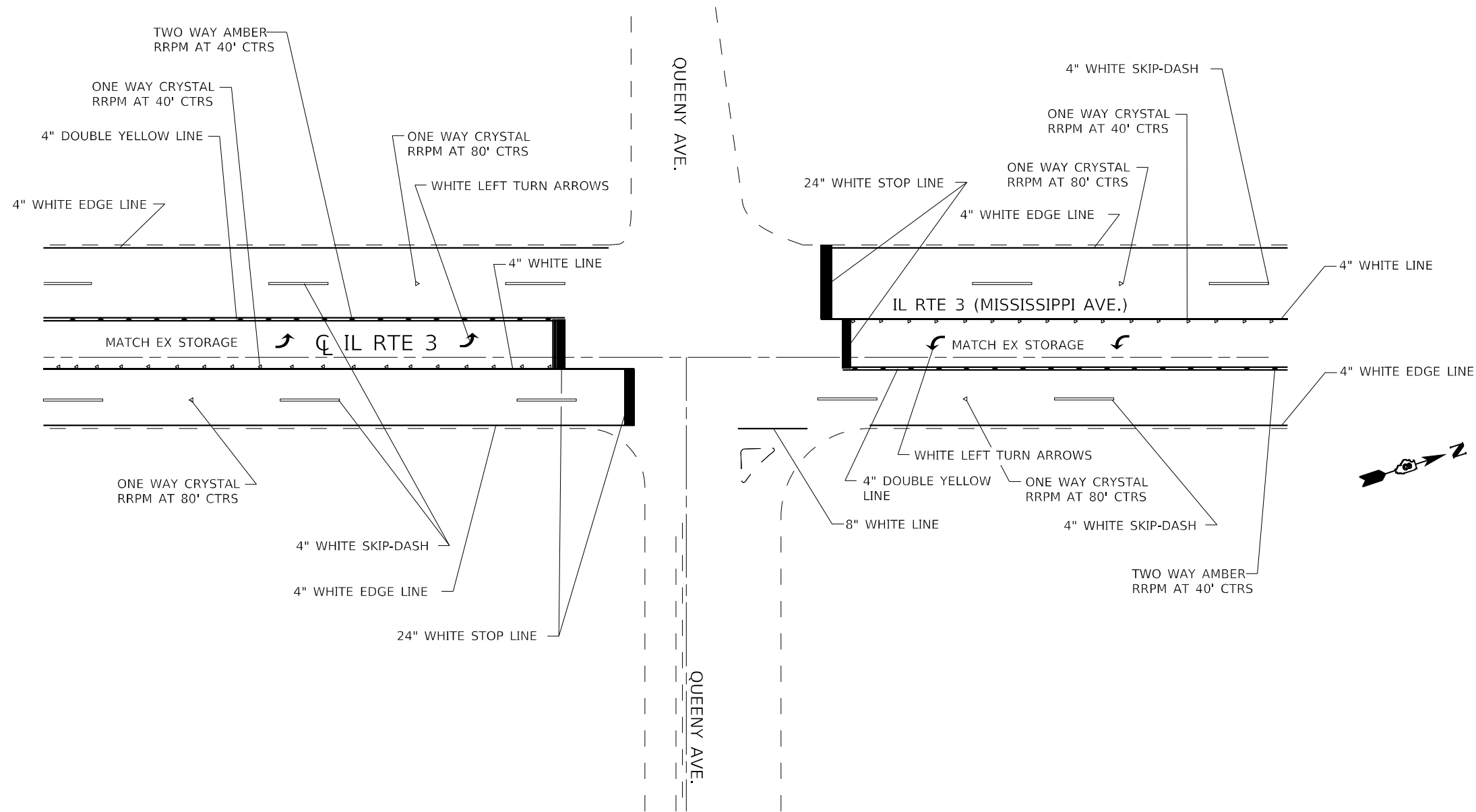
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	28
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

IL 3 AND QUEENY AVE

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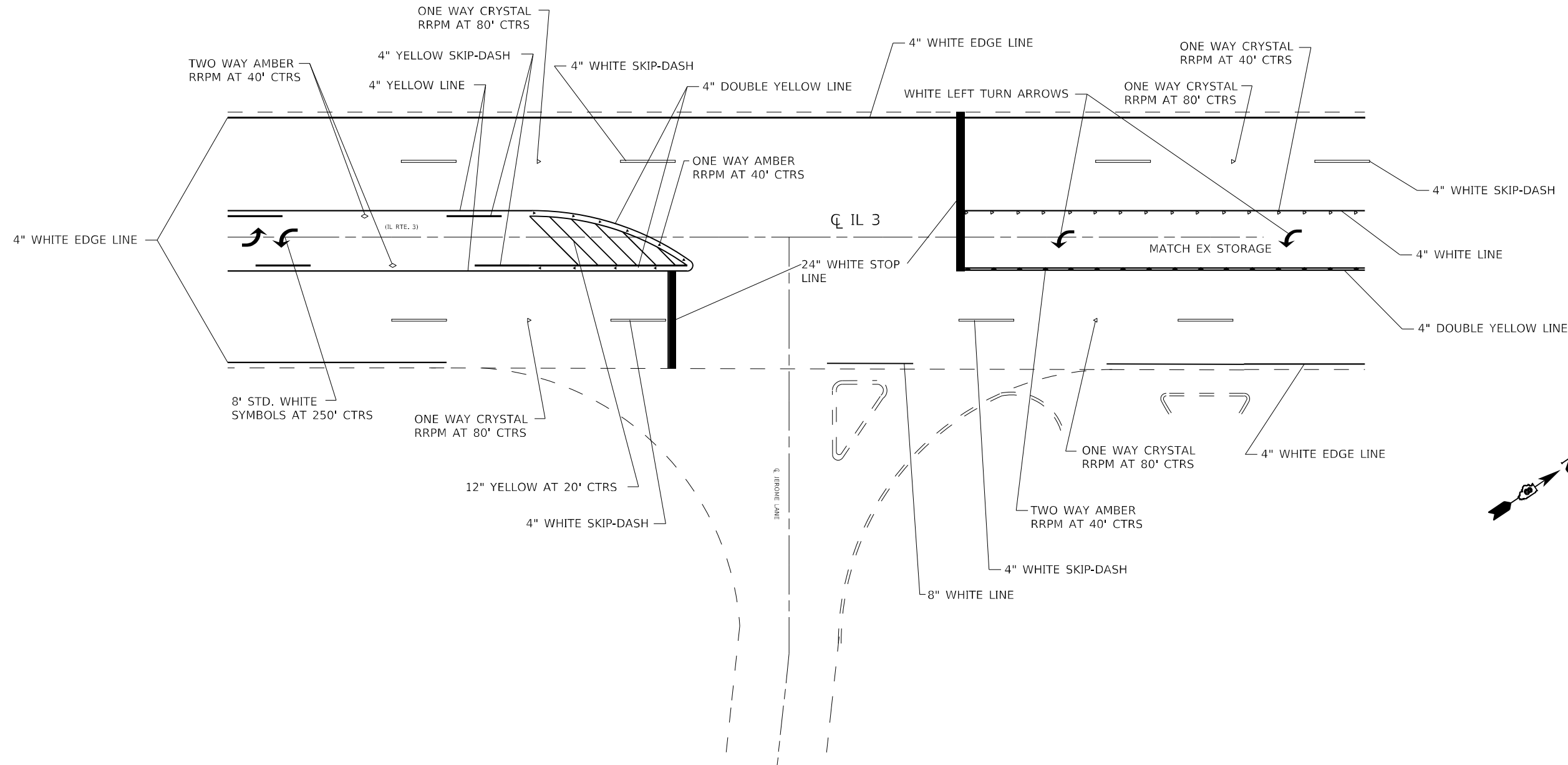
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	29
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

IL 3 AND JEROME LN

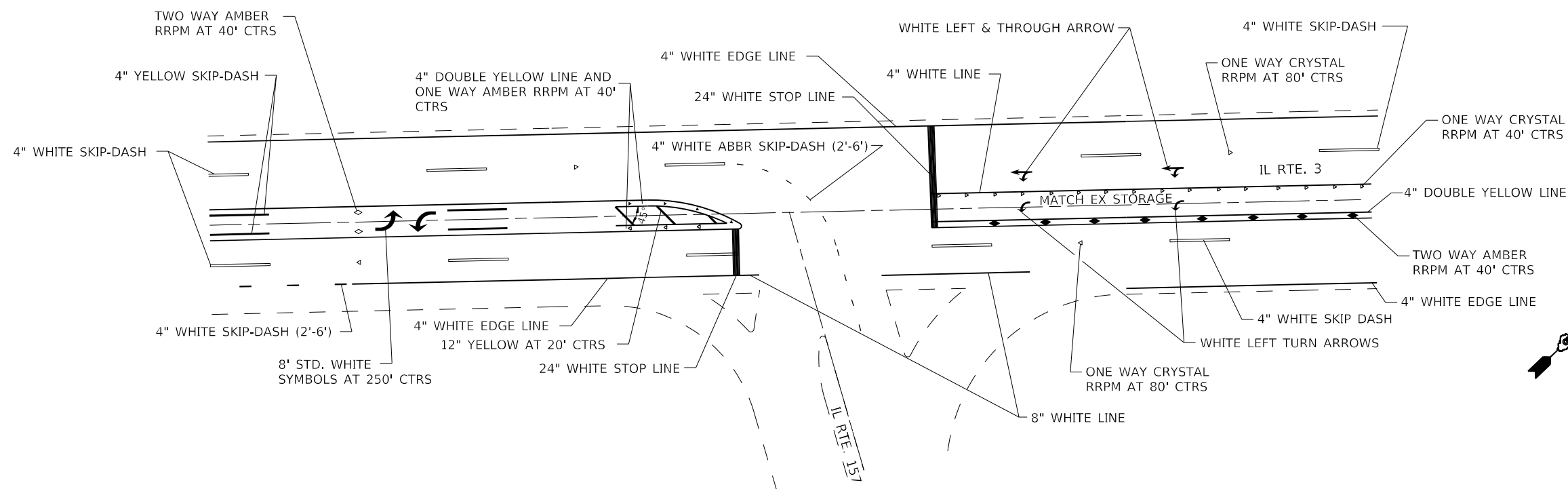
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS			
SCALE:	SHEET 1	OF 1	SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	30
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



IL 3 AND IL 157

NOT TO SCALE

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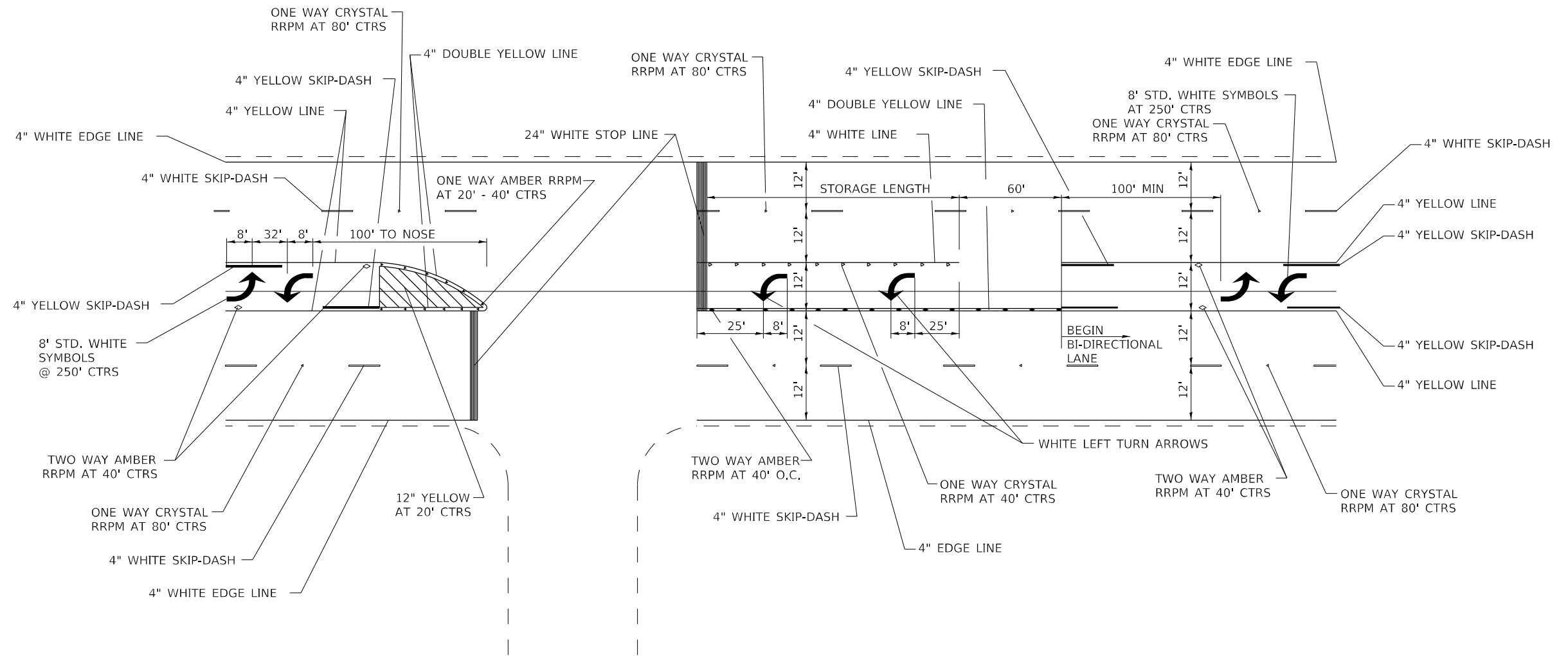
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	31
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

TYPICAL PAVEMENT MARKING WITH BI-DIRECTIONAL LANE

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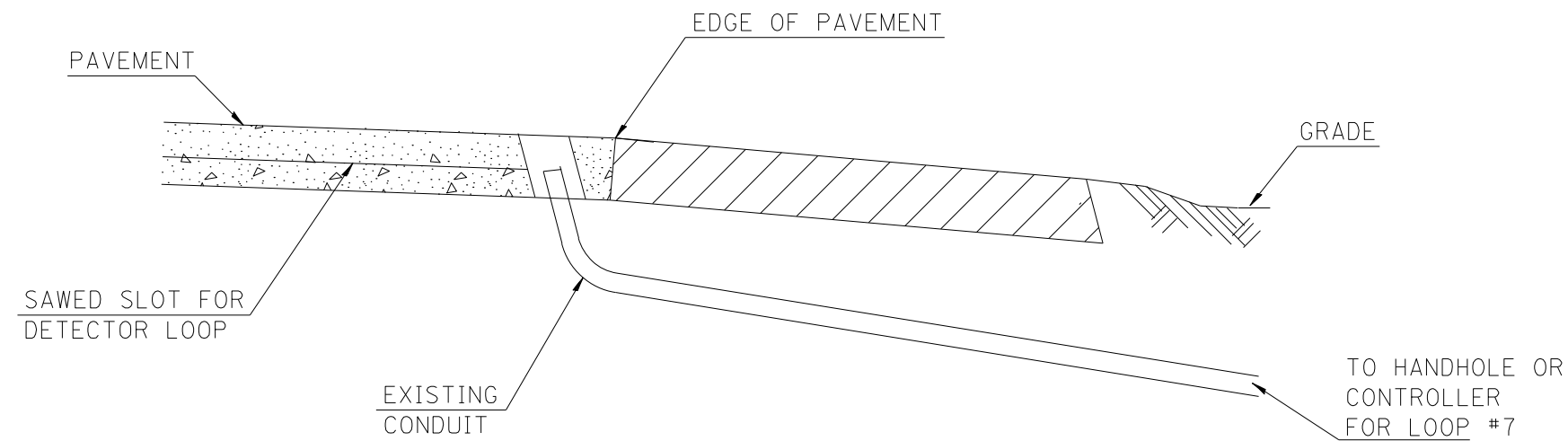
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	33
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	8TH ST.	STA. 62+80	MONSANTO AVE.	QUEENY AVE.	JEROME LANE	IL 157	WATER ST.
CODE NO	ITEM	UNIT								
80300100	LOCATING UNDERGROUND CABLE	FOOT	270	70	20	20	40	40	40	40
88600600	DETECTOR LOOP REPLACEMENT	FOOT	5243	956	268	1117	728	567	679	928



DETAIL A
(NO SCALE)

RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE OPERATIONS, REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

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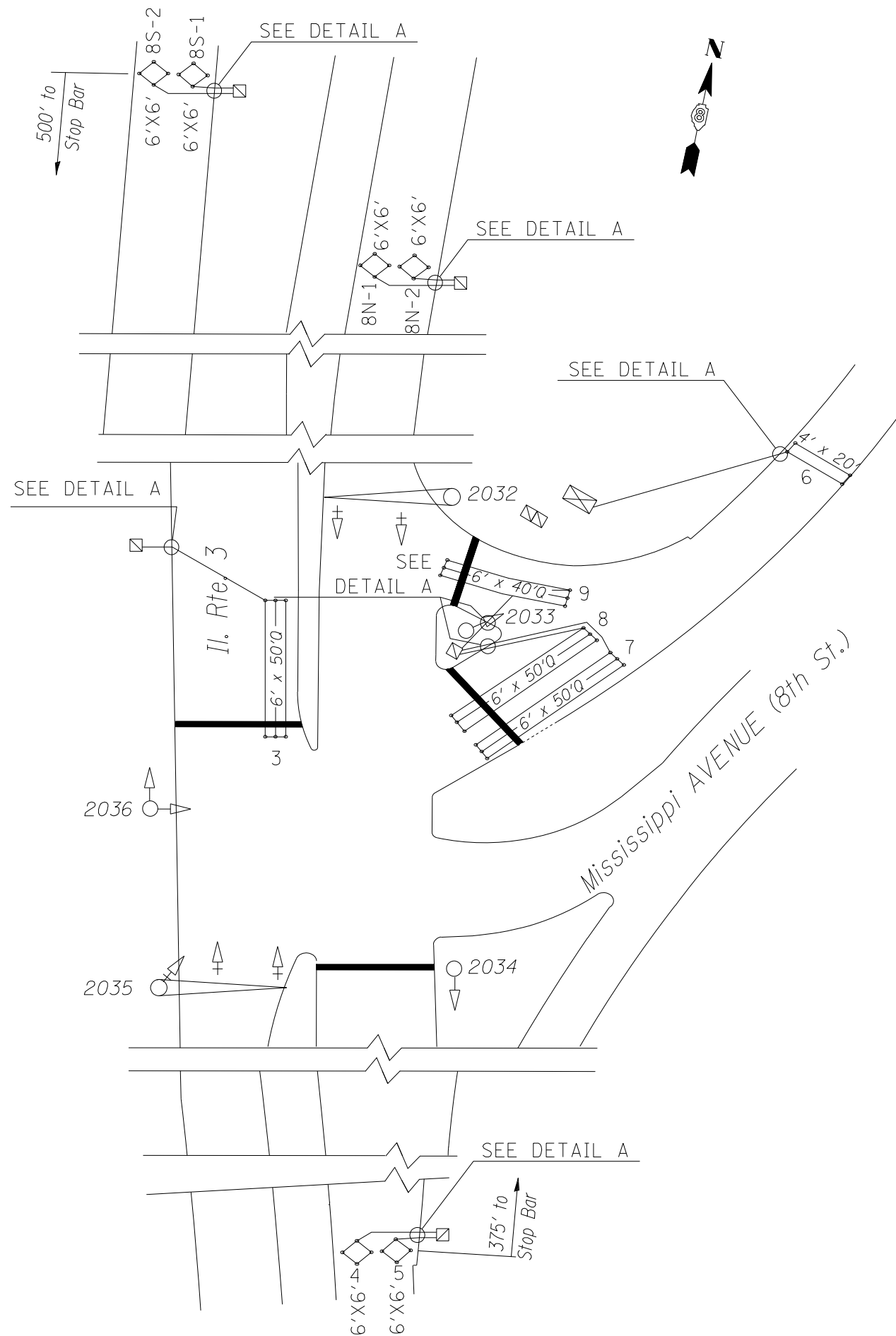
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP
SCHEDULE OF QUANTITIES AND DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L09	



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 3 AND 8TH STREET

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. SB CCO & 8S-1	2	6' X 6'	7	496.1	3.4
2. SB CCO & 8S-2	2	6' X 6'	7	498.9	3.4
3. SB LT CD	5	6' X 50' Q	3-6-3	829.9	2.6
4. NB CCO 1	6	6' X 6'	7	515.7	3.8
5. NB CCO 2	6	6' X 6'	7	518.4	3.9
6. SW CCO	4	6' X 20'	6	525.6	1.1
7. SW LT 1	4	6' X 50' Q	3-6-3	815.3	2.3
8. SW LT 2	4	6' X 50' Q	3-6-3	812.2	2.2
9. SW RT CD	4	6' X 40' Q	3-6-3	808.2	2.1
8N-1	SSM	6' X 6'	7	468.8	2.8
8N-2	SSM	6' X 6'	7	466.1	2.7

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

SSM=SYSTEM & SPEED MONITOR

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 3 AND 8TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 312	SECTION 64RS-4	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L09	

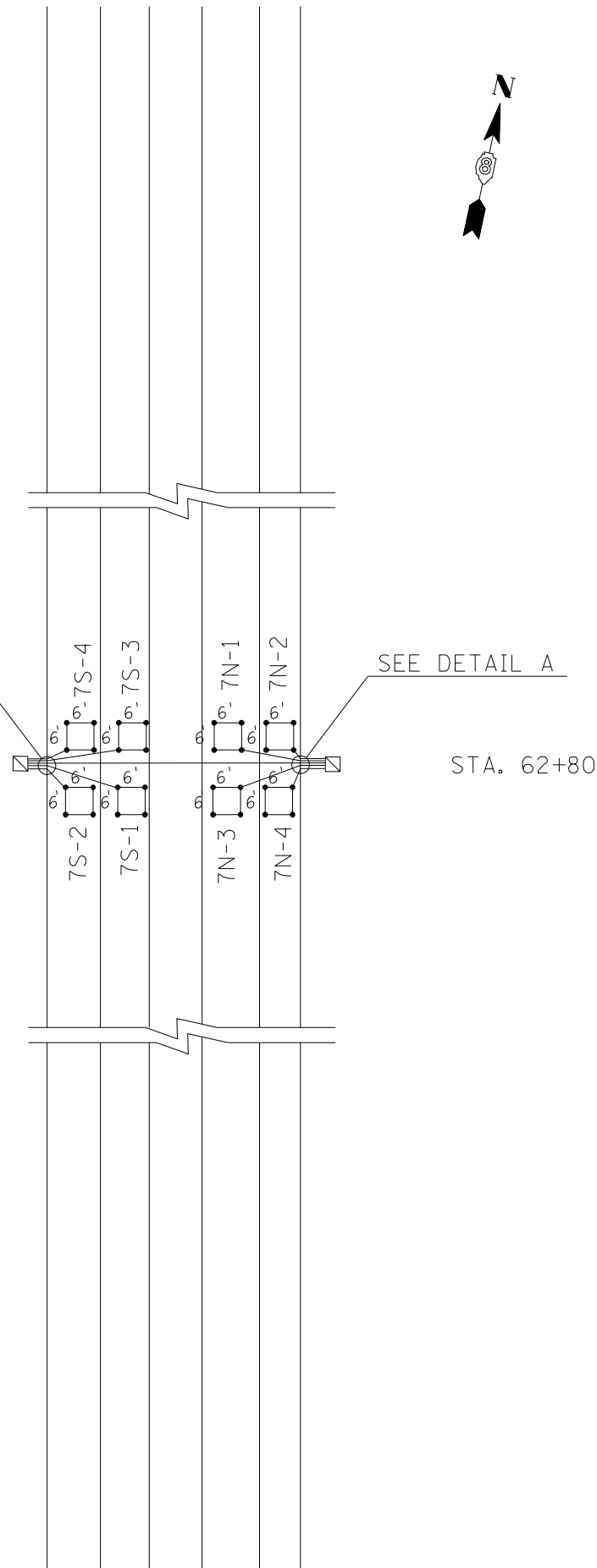
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 3 AT STA. 62+80

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
7S-1	SSM	6' X 6'	8	726.9	5
7S-2	SSM	6' X 6'	8	726.9	5
7S-3	SSM	6' X 6'	8	726.9	5
7S-4	SSM	6' X 6'	8	726.9	5
7N-1	SSM	6' X 6'	8	726.9	5
7N-2	SSM	6' X 6'	8	726.9	5
7N-3	SSM	6' X 6'	8	726.9	5
7N-4	SSM	6' X 6'	8	726.9	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.

SSM=SYSTEM & SPEED MONITOR

SEE DETAIL A



STA. 62+80

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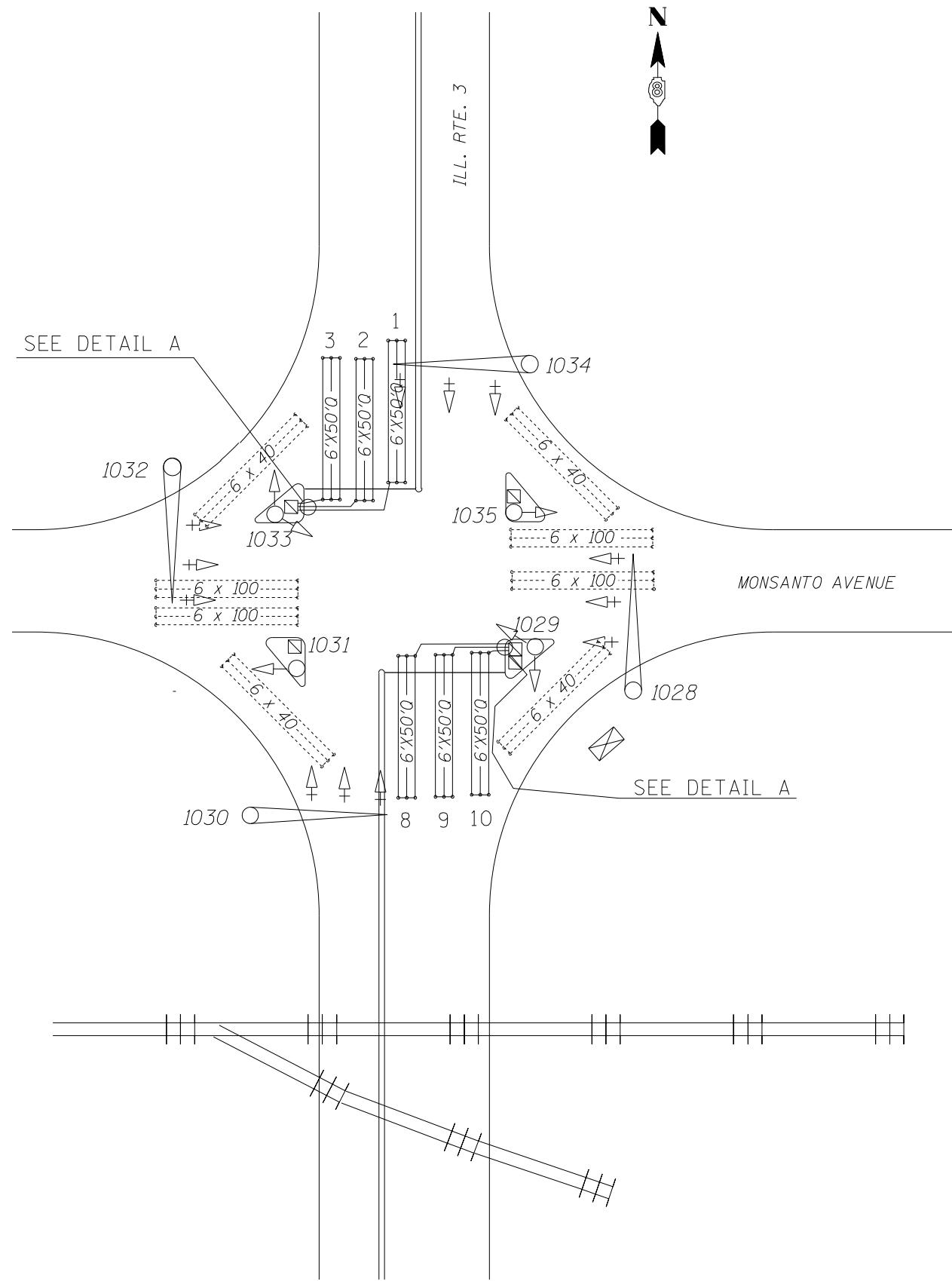
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FOR IL 3 AT STA. 62+80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	37
			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 3 AND MONSANTO AVENUE



LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. SB LT CD	5	6' X 50'0	3-6-3	840.8	2.8
2. SB THRU CD 1	2	6' X 50'0	3-6-3	838.1	2.8
3. SB THRU CD 2	2	6' X 50'0	3-6-3	835.5	2.7
4. SB RT CD	NA				
5. EB LT CD	NA				
6. EB THRU CD	NA				
7. EB RT CD	NA				
8. NB LT THRU CD	1	6' X 50'0	3-6-3	806.2	2.5
9. NB THRU CD 1	6	6' X 50'0	3-6-3	803.4	2.0
10. NB THRU CD 2	6	6' X 50'0	3-6-3	800.7	1.9
11. NB RT CD	NA				
12. WB LT CD	NA				
13. WB THRU CD	NA				
14. WB RT CD	NA				

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

SSM=SYSTEM & SPEED MONITOR

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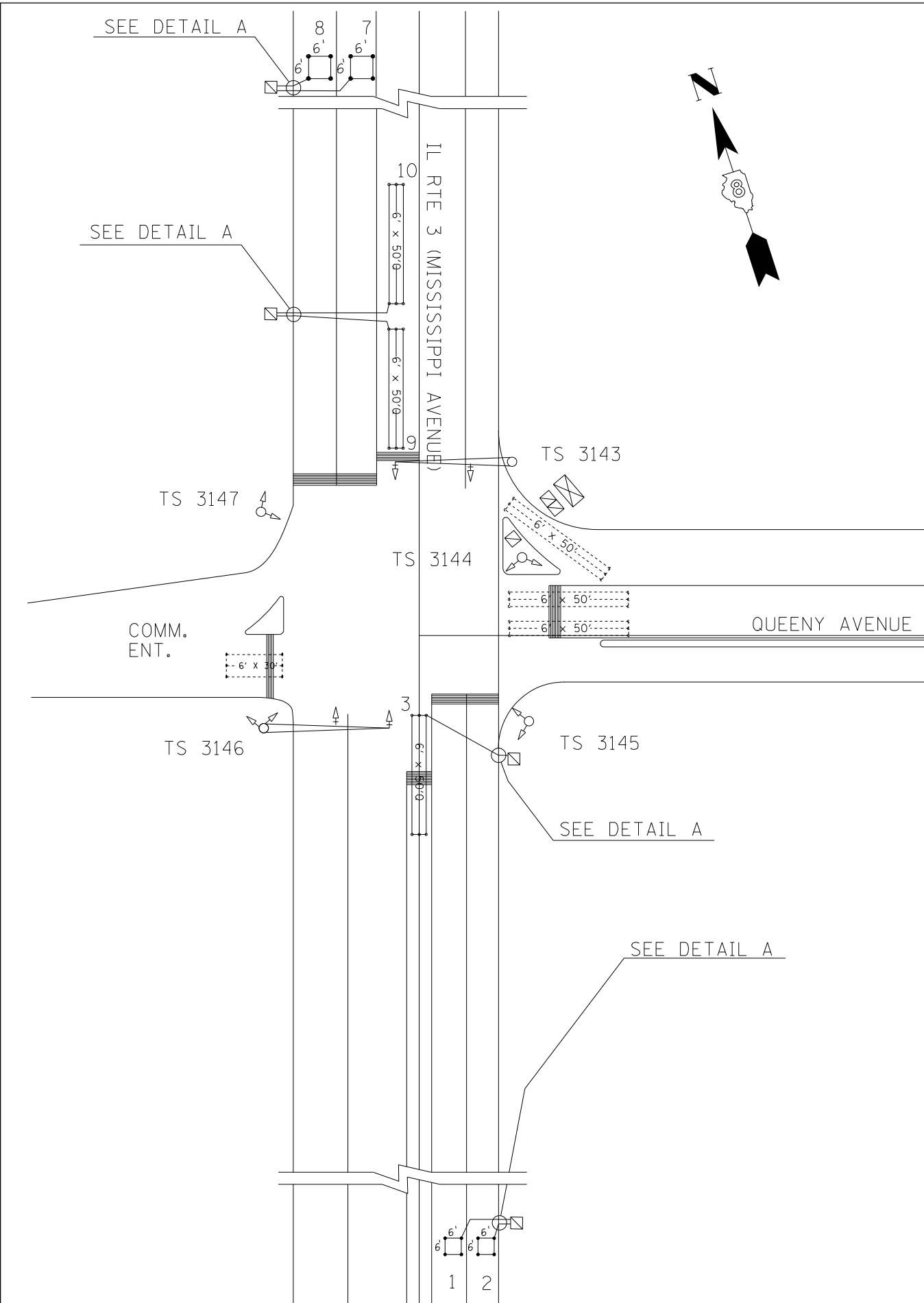
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FOR IL 3 AND MONSANTO AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 312	SECTION 64RS-4	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L09	



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 3 AND QUEENY AVENUE

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO 1	6	6' X 6'	6	378.0	3.2
2. NB CCO 2	6	6' X 6'	6	375.6	3.1
3. NB LT CD	1	6' X 50'Q	3-6-3	913.5	4.5
4. WB LT CD	NA				
5. WB THRU CD	NA				
6. WB RT CD	NA				
7. SB CCO 1	2	6' X 6'	6	371.8	3.0
8. SB CCO 2	2	6' X 6'	6	369.4	3.0
9. SB THRU CD 1	2	6' X 50'Q	3-6-3	834.6	2.7
10. SB THRU CD 2	2	6' X 50'Q	3-6-3	834.6	2.7
11. EB THRU CD	NA				

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

SSM=SYSTEM & SPEED MONITOR

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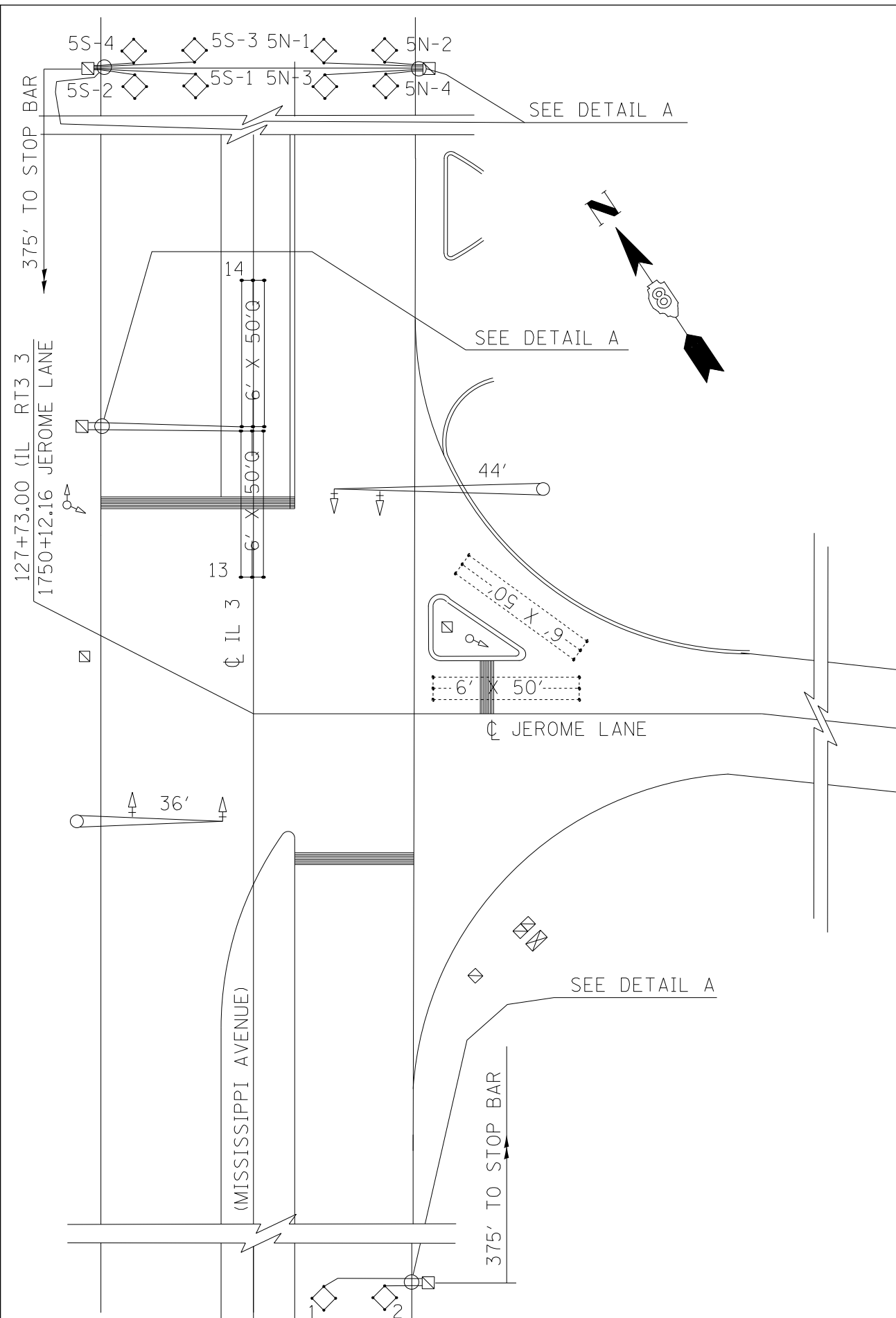
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FOR IL 3 AND QUEENY AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	39
			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 AND JEROME LANE

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO 1	6	6' X 6'	6	348.1	2.5
2. NB CCO 2	6	6' X 6'	6	345.2	2.4
3. WB LT CD	NA				
4. WB RT CD	NA				
5N-1	SSM	6' X 6'	7	522.3	4.0
5N-2	SSM	6' X 6'	7	519.5	3.9
5N-3	SSM	6' X 6'	7	522.3	4.0
5N-4	SSM	6' X 6'	7	519.5	3.9
5S-1	SSM	6' X 6'	7	504.4	3.6
5S-2	SSM	6' X 6'	7	502.2	3.5
5S-3	SSM	6' X 6'	7	504.4	3.6
5S-4	SSM	6' X 6'	7	502.2	3.5
13. SB LT CD 1	2	6' X 50'Q	3-6-3	838.5	3-6-3
14. SB TLT CD 2	2	6' X 50'Q	3-6-3	838.5	3-6-3

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

SSM=SYSTEM & SPEED MONITOR

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FOR IL 3 AND JEROME LANE**

SCALE: SHEET OF SHEETS STA. TO STA.

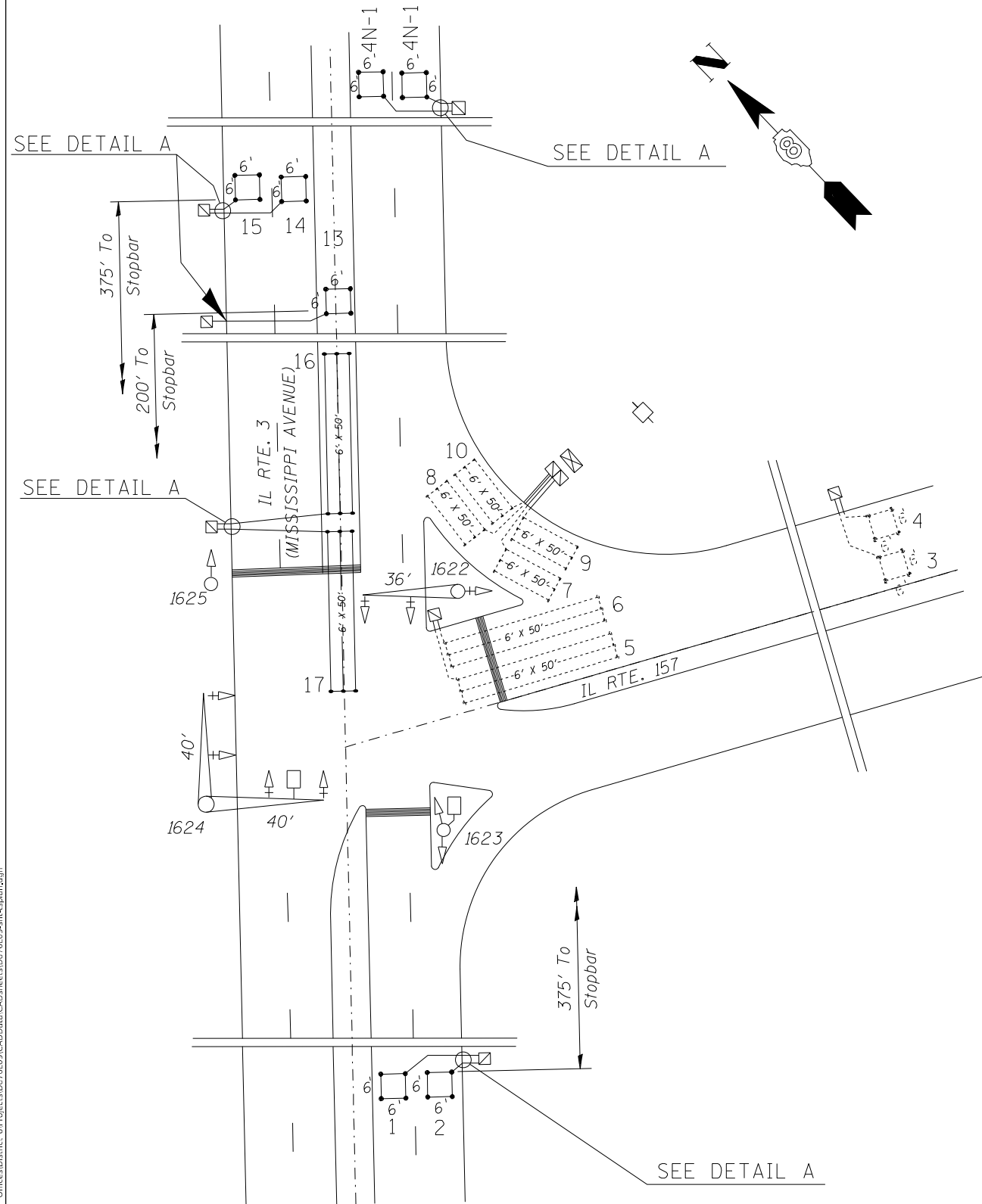
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L09	

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 3 AND IL 157

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO 1&2N-1	6	6' X 6'	7	501.2	3.5
2. NB CCO 2&2N-2	6	6' X 6'	7	498.6	3.4
3. WB CCO 1	4	6' X 6'	5	231.3	1.7
4. WB CCO 2	4	6' X 6'	5	228.0	1.6
5. WB LT CD 1	4	6' X 50'0	3-6-3	813.0	2.2
6. WB LT CD 2	4	6' X 50'0	3-6-3	810.8	2.2
7. WB RT CD 1	4	6' X 50'0	3-6-3	801.2	1.9
8. WB RT CD 4	4	6' X 50'0	3-6-3	801.8	2.0
9. WB RT CD 3	4	6' X 50'0	3-6-3	797.9	1.9
10. WB RT CD 4	4	6' X 50'0	3-6-3	798.1	1.9
4N-1	SSM	6' X 6'	7	517.8	3.9
4N-2	SSM	6' X 6'	7	515.0	3.8
13. SB LT CCO	5	6' X 6'	7	447.4	2.3
14. SB CCO 1	2	6' X 6'	7	493.0	3.3
15. SB CCO 2	2	6' X 6'	7	490.7	3.3
16. SB LT CD 1	5	6' X 50'0	3-6-3	821.9	2.4
17. SB LT CD 2	5	6' X 50'0	3-6-3	821.9	2.4

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

SSM=SYSTEM & SPEED MONITOR



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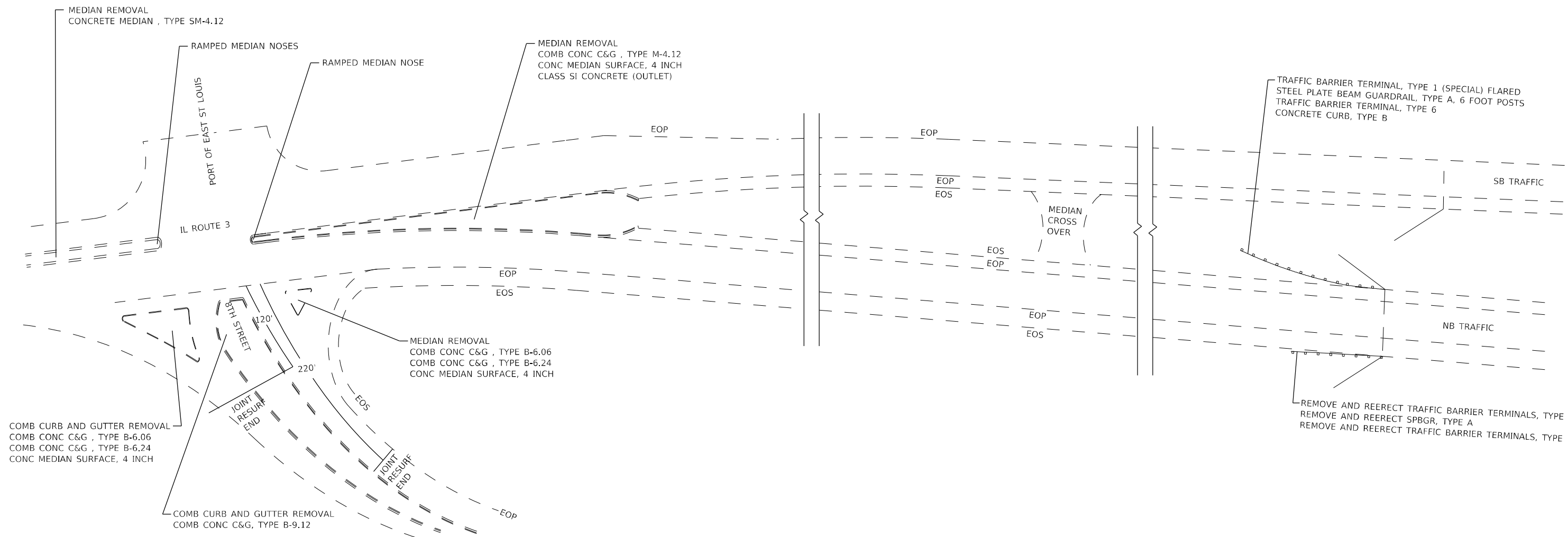
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
FOR IL 3 AND IL 157

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	41
			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

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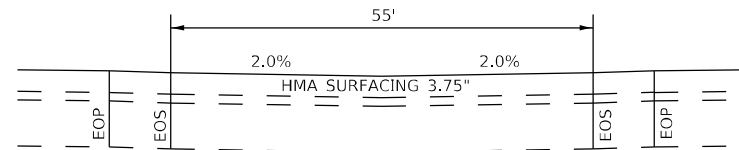
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

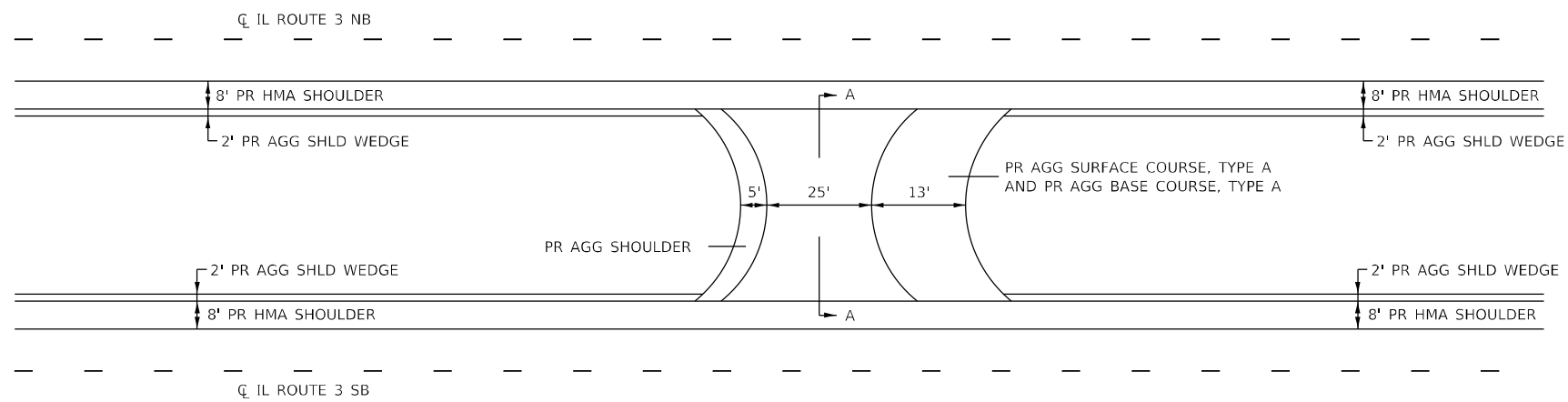
**DETAILS
LOCATION MISC WORK**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L09	



SECTION A-A



MEDIAN CROSSOVER PAVING DETAIL

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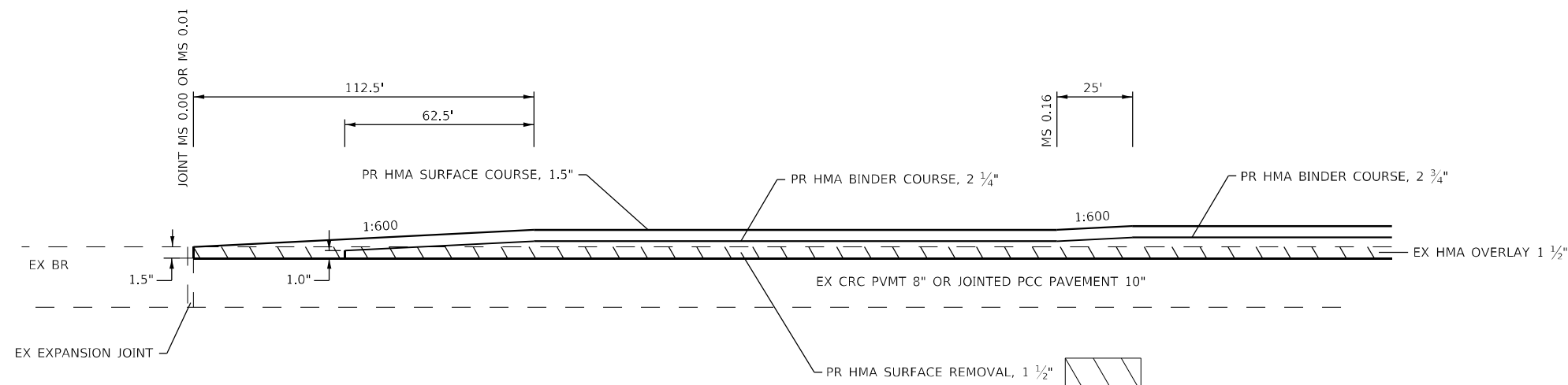
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

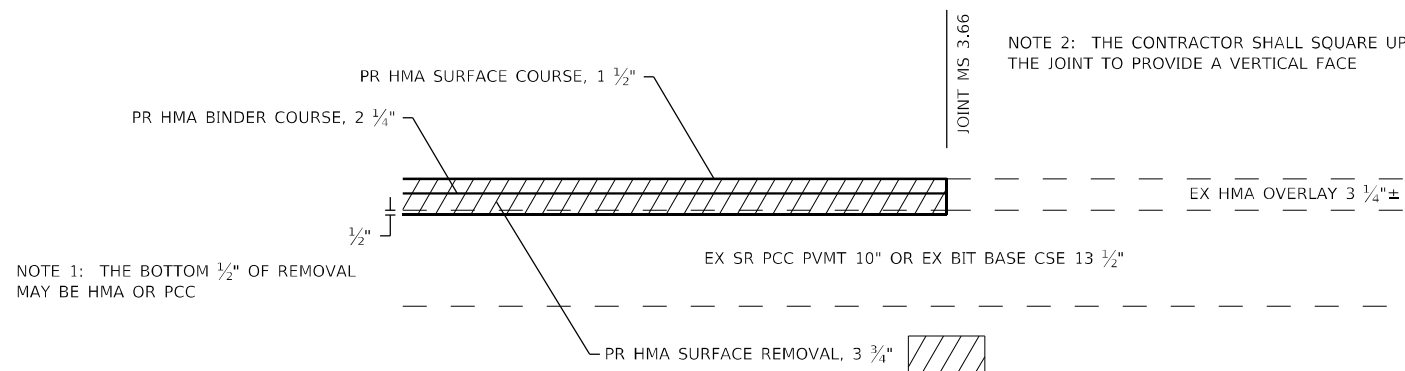
DETAILS
MEDIAN CROSSOVER

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

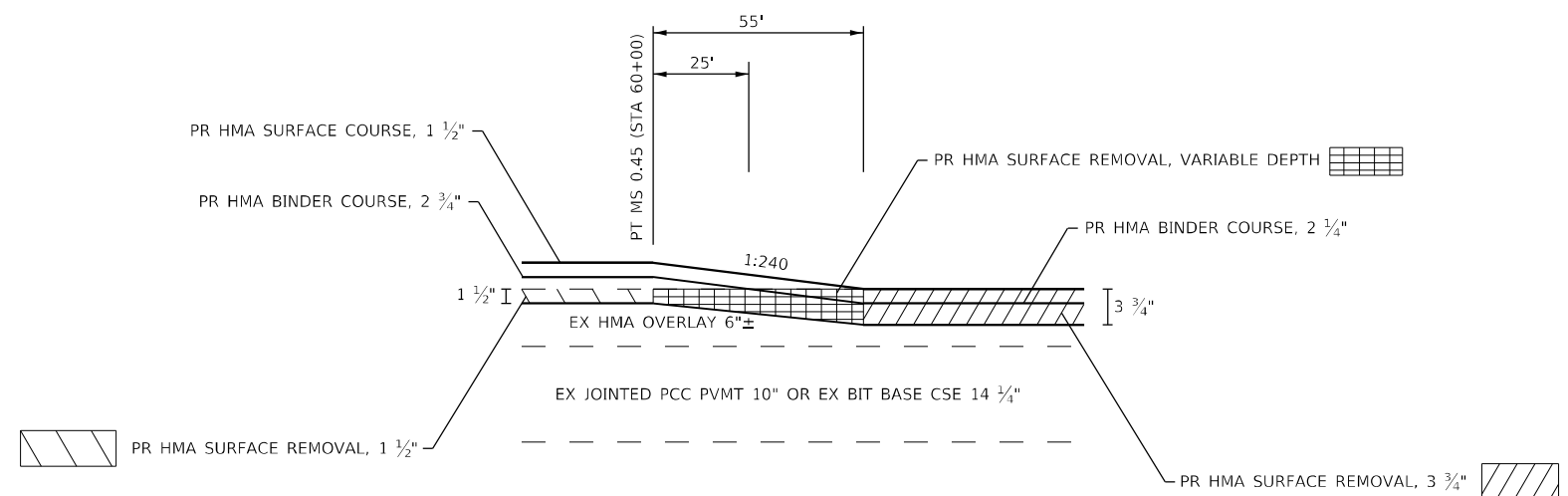
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312	64R5-4	ST. CLAIR	52	44
				CONTRACT NO. 76L09
ILLINOIS FED. AID PROJECT				



RESURFACING TRANSITIONS MS 0.00, MS 0.01 AND MS 0.16



END PROJECT MS 3.66



RESURFACING AND MILLING TRANSITION MS 0.45

NOT TO SCALE

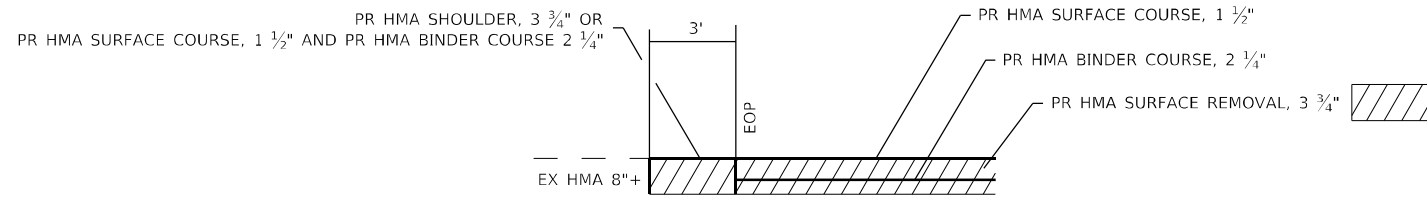
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

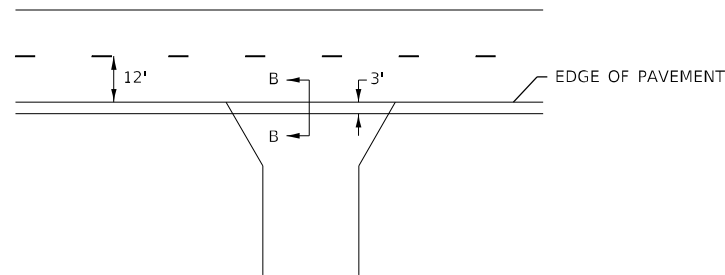
DETAILS			
IL 3 JOINTS AND TRANSITIONS			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	45
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

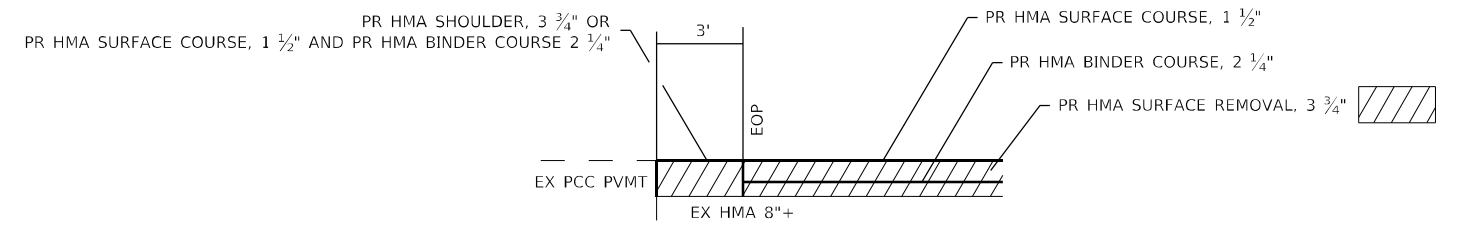


NOTE 2: THE CONTRACTOR SHALL SQUARE UP THE JOINT TO PROVIDE A VERTICAL FACE

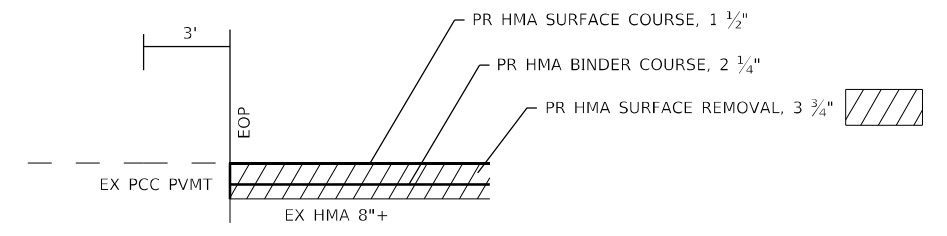
SECTION B-B



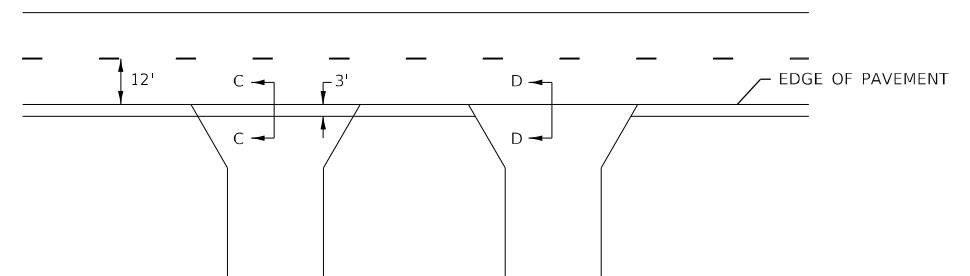
HMA SIDEROAD AND ENTRANCE CONSTRUCTION JOINT DETAIL



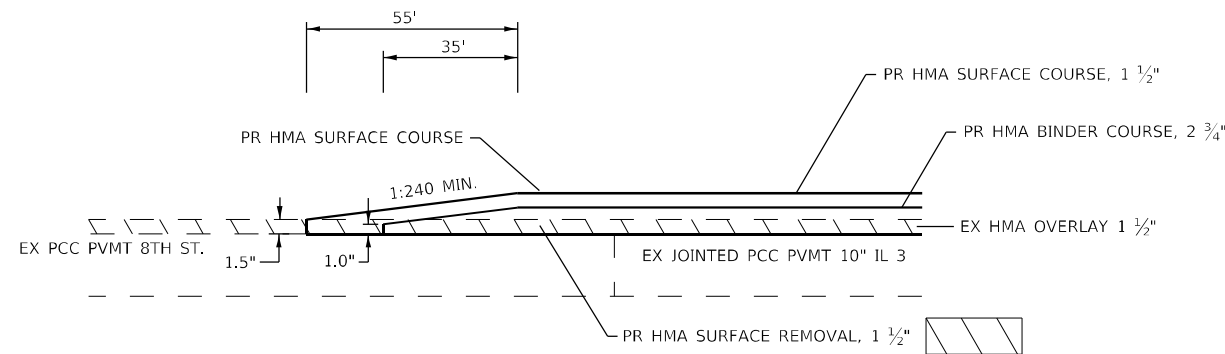
SECTION C-C



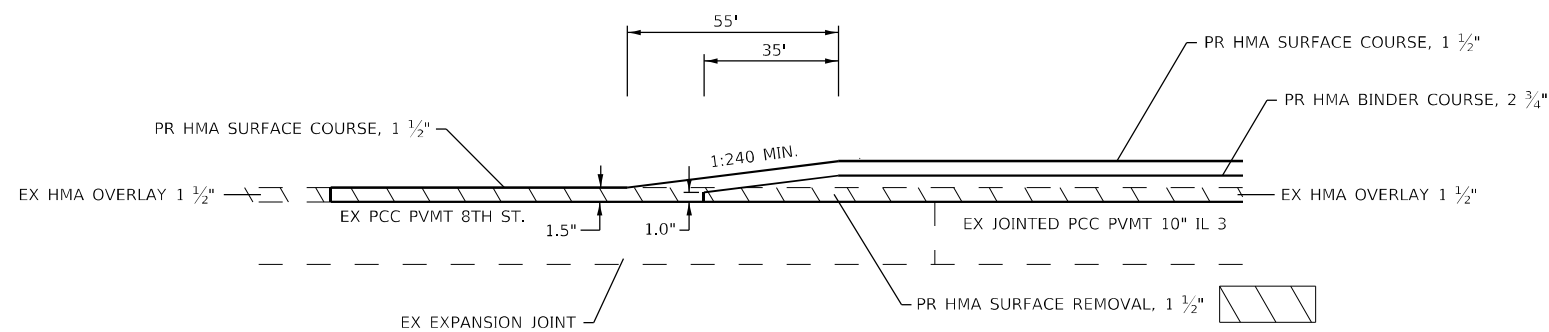
SECTION D-D



PCC SIDEROAD AND ENTRANCE CONSTRUCTION JOINT DETAIL



8TH STREET



8TH STREET

NOT TO SCALE

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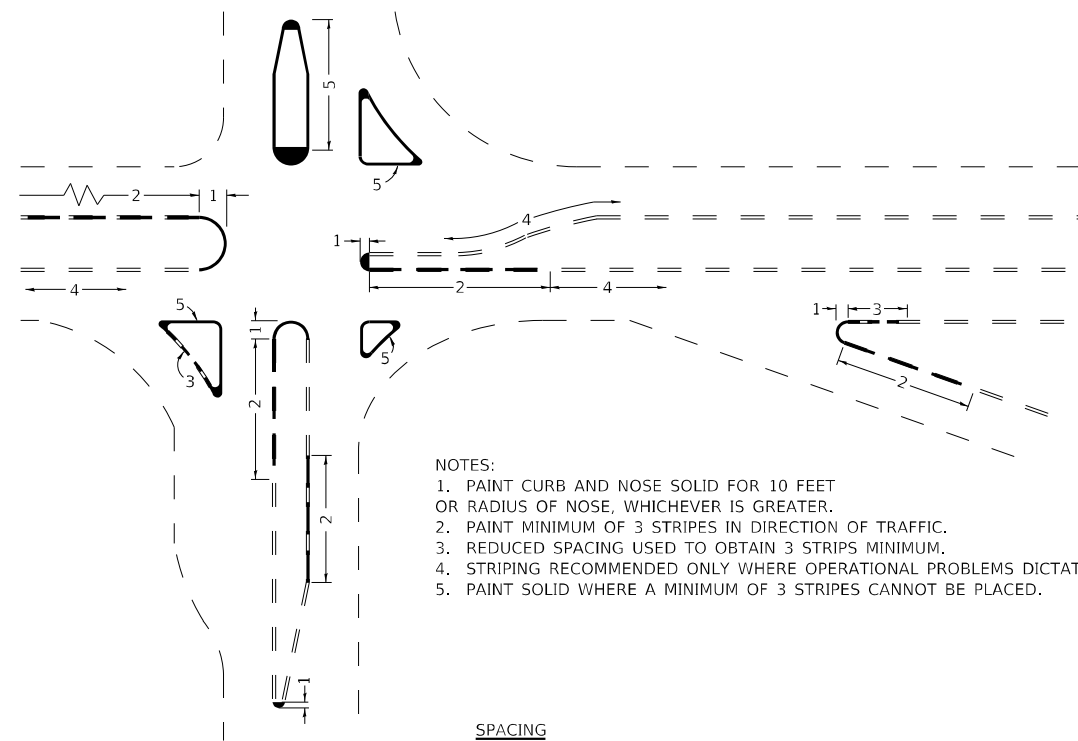
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

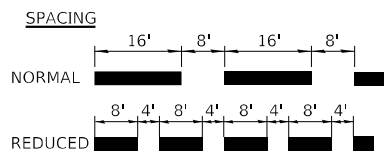
DETAILS SIDEROAD AND ENTRANCE JOINTS			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	46
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				

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- NOTES:
1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
 2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
 3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
 4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
 5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



CURB MARKING

NOT TO SCALE

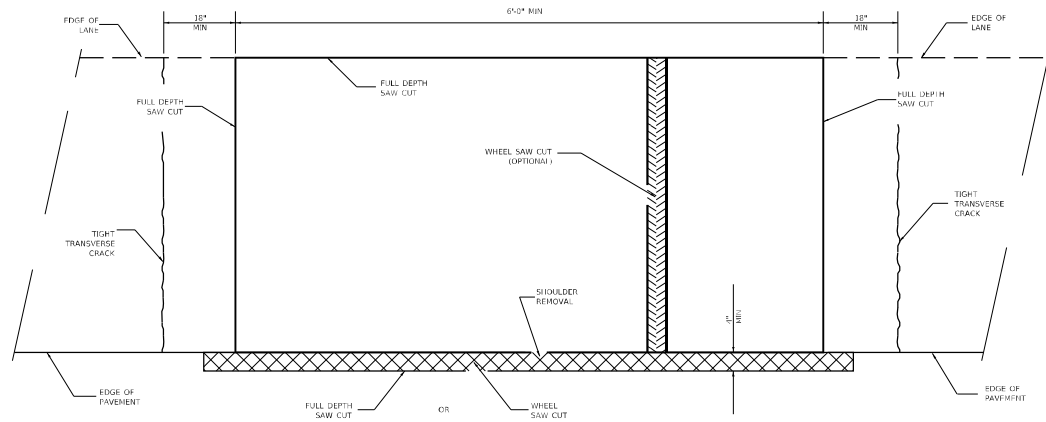
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

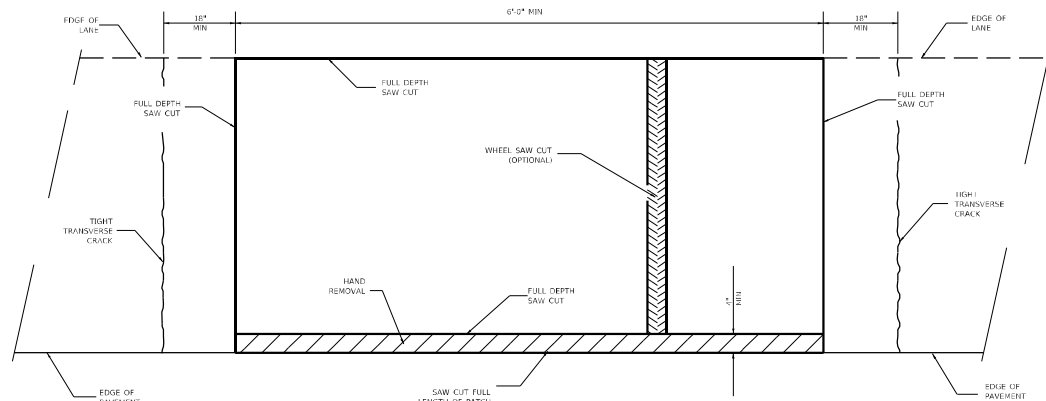
**DETAILS
CURB MARKING DETAIL**

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

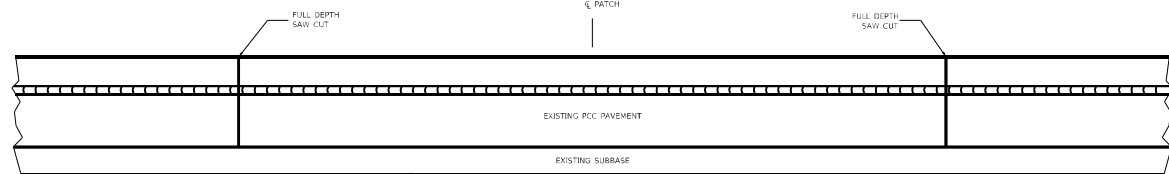
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			CONTRACT NO. 76L09	
ILLINOIS FED. AID PROJECT				



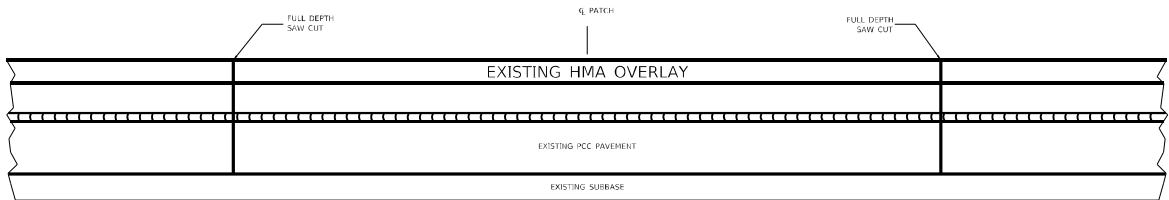
PAVEMENT SAWING DETAIL
(HMA SHOULDER)



PAVEMENT SAWING DETAIL
(PCC SHOULDER)

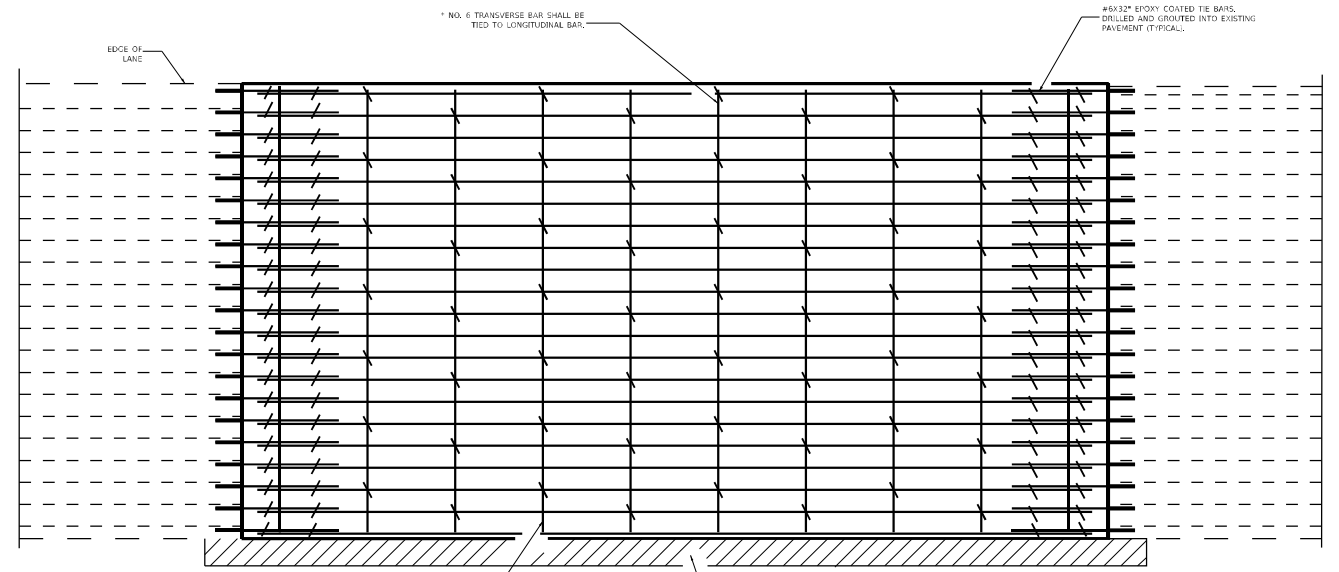


EXISTING PAVEMENT WITHOUT HMA SURFACE

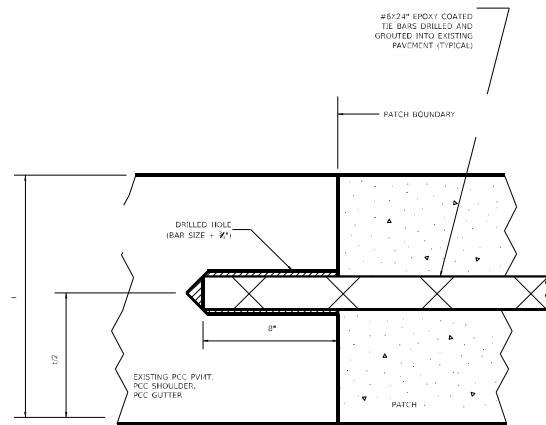


EXISTING PAVEMENT WITH HMA SURFACE

PAVEMENT SAWING DETAIL FOR CLASS A PATCHING
(CRC PAVEMENT)



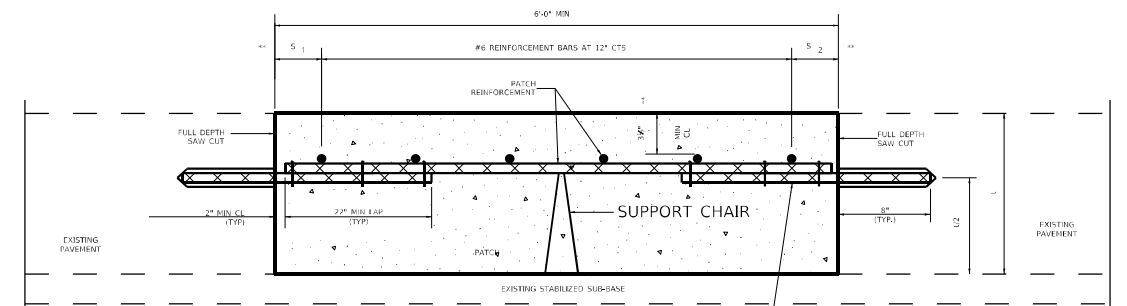
PAVEMENT REINFORCEMENT DETAIL



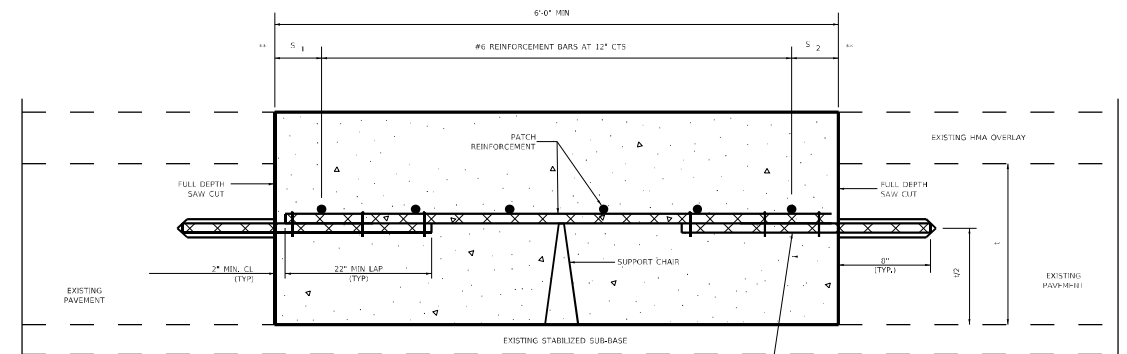
LONGITUDINAL CONSTRUCTION JOINT

PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURBS AND GUTTER WITH #6x24" EPOXY COATED TIE BARS AT 24" CENTERS.

NOTES:
EXISTING LONGITUDINAL REINFORCEMENT SPACING: 12"
SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.
SUPPORT CHAIRS SHALL BE REQUIRED WHENEVER PATCH LENGTH EXCEEDS 6'-0".
EVERY THIRD INTERSECTION MUST BE TIED. WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE REBAR ON TOP, THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL H-REIN.
VARIABLES WHERE S AND 5 ARE 24" MIN. AND 12" MAX.



WITHOUT HMA OVERLAY



WITH HMA OVERLAY

PATCHING DETAIL FOR CLASS A PATCHING
(CRC PAVEMENT)

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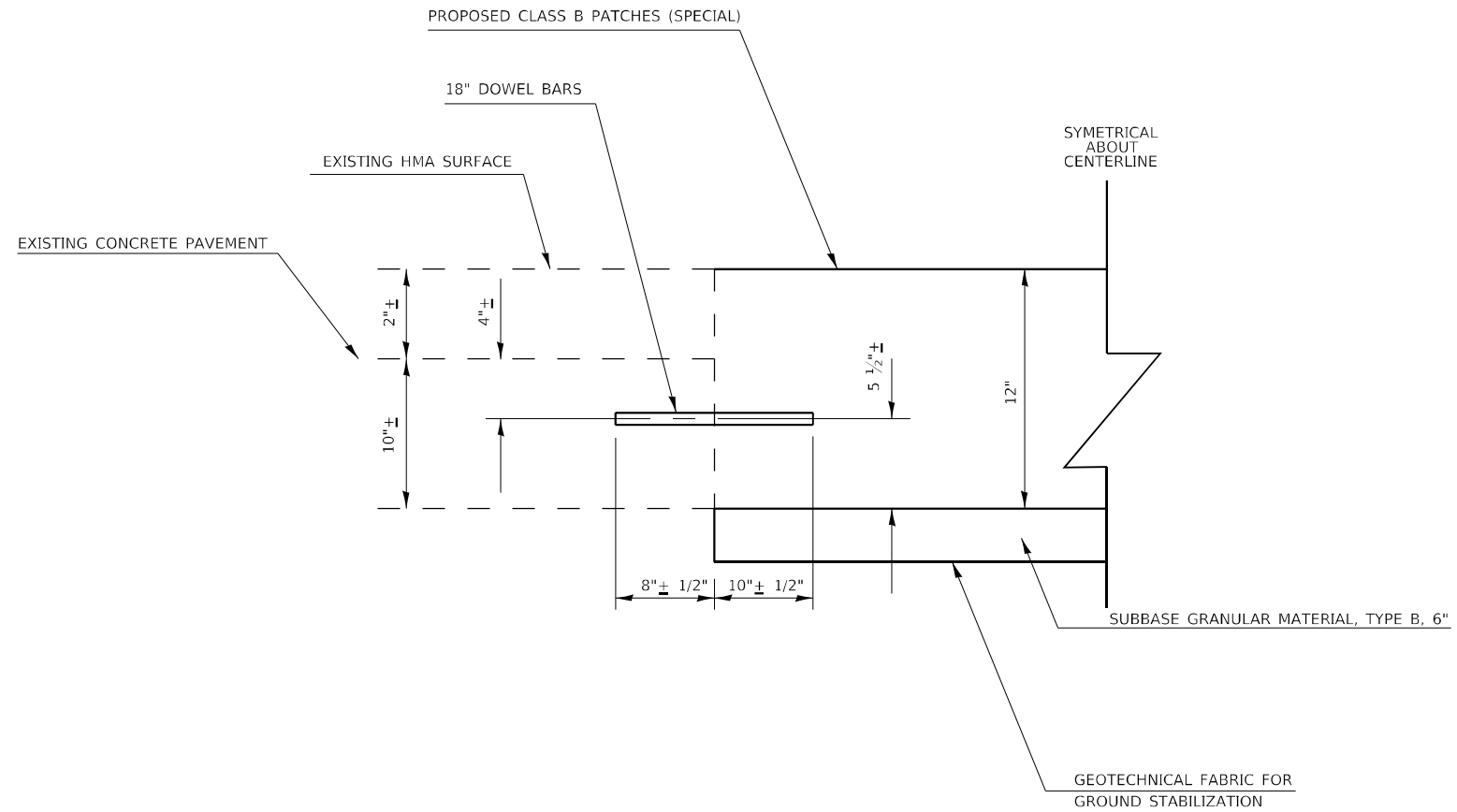
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS – CLASS A PATCHING (SPECIAL)

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64RS-4	ST. CLAIR	52	48
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

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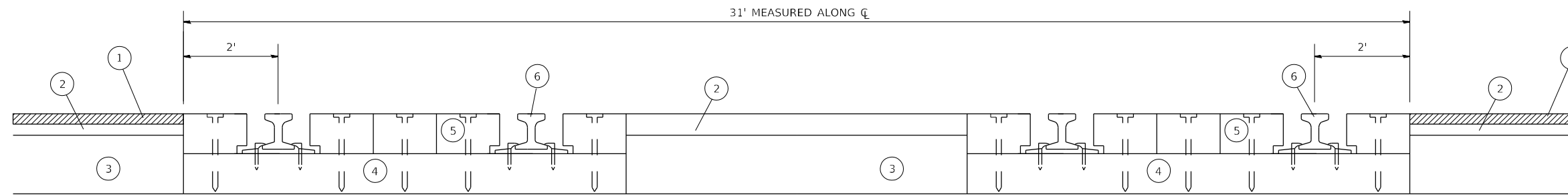
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PLOT DATE = 3/23/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS
CLASS B PATCHING (SPECIAL)**

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

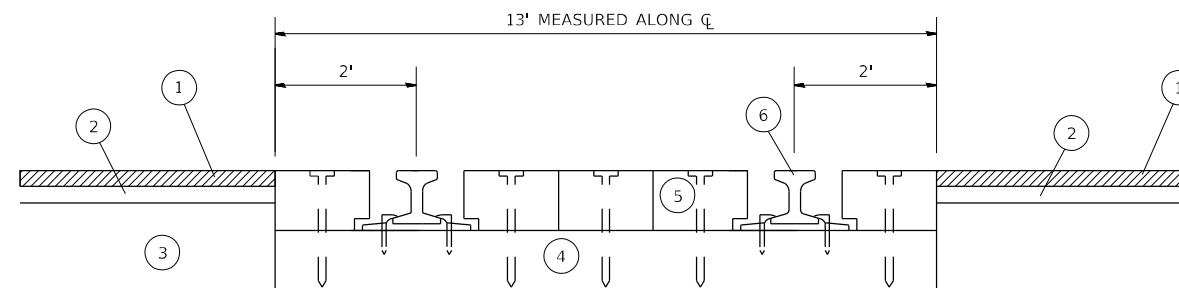
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	50
CONTRACT NO. 76L09			ILLINOIS FED. AID PROJECT	



JOINTS @ RAILROAD
MILE STATION 0.79

- ① PROPOSED 3/4" MILLING AND BITUMINOUS SURFACE COURSE
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING PAVEMENT
- ④ EXISTING RR TIES
- ⑤ EXISTING RR PLANKS
- ⑥ EXISTING RAIL

- ① PROPOSED 1 1/2" MILLING AND BITUMINOUS SURFACE COURSE
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING PAVEMENT
- ④ EXISTING RR TIES
- ⑤ EXISTING RR PLANKS
- ⑥ EXISTING RAIL



JOINTS @ RAILROAD
MILE STATION 1.32

- ① PROPOSED 3/4" MILLING AND BITUMINOUS SURFACE COURSE
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING PAVEMENT
- ④ EXISTING RR TIES
- ⑤ EXISTING RR PLANKS
- ⑥ EXISTING RAIL

NOT TO SCALE

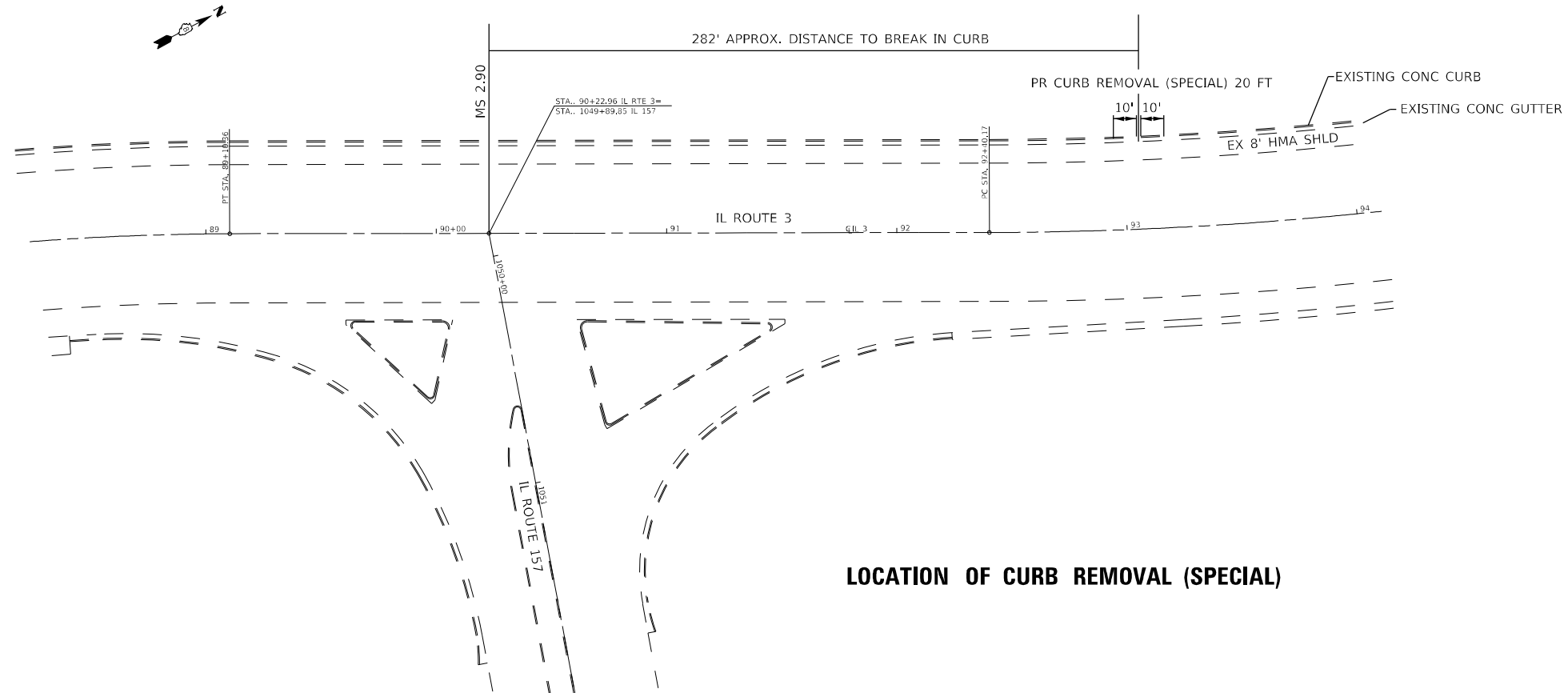
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PLOT DATE = 3/23/2021	DATE -	REVISED -

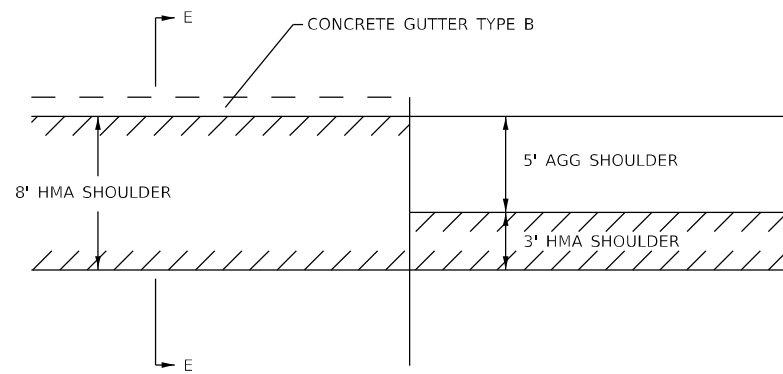
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS RAILROAD JOINTS		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

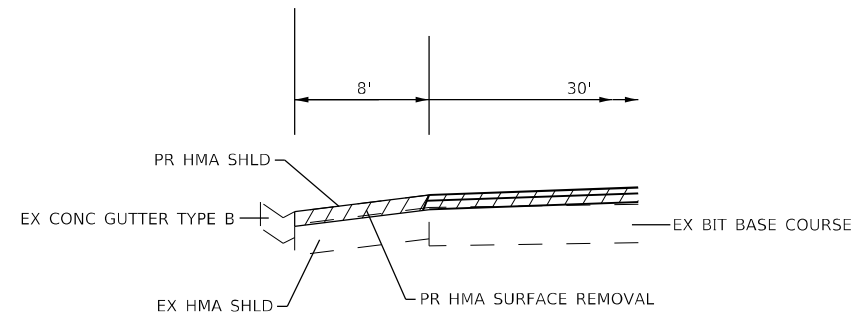
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	51
CONTRACT NO. 76L09				
ILLINOIS FED. AID PROJECT				



LOCATION OF CURB REMOVAL (SPECIAL)



DETAIL OF SHOULDER WITH TYPE B GUTTER



SECTION E-E

MODEL: Default
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PLOT DATE = 3/23/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS - CURB REMOVAL SP
AND 8 FT SHOULDERS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64R5-4	ST. CLAIR	52	52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L09	