

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1.119-1)RS-3	ST. CLAIR	92	1
		ILLINOIS	CONTRACT NO. 76K45	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

FAP ROUTE 592 (IL 157)  
SECTION (32-1,119-1)RS-3  
PROJECT NHPP-SH9P(320)  
RESURFACING - STANDARD OVERLAY  
ST. CLAIR COUNTY

C-98-212-18

FAP 592 ADT  
(STATE ST TO ST CLAIR AVE)

2020 = 9,350 (ESTIMATED)  
SU = 3.2% MU = 2.1%

FAP 592 ADT  
(ST CLAIR AVE TO PETROFF DR)

2020 = 15,900 (ESTIMATED)  
SU = 3.8% MU = 2.0%

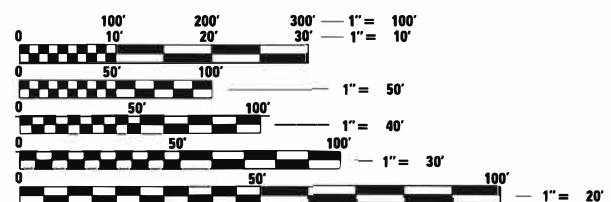
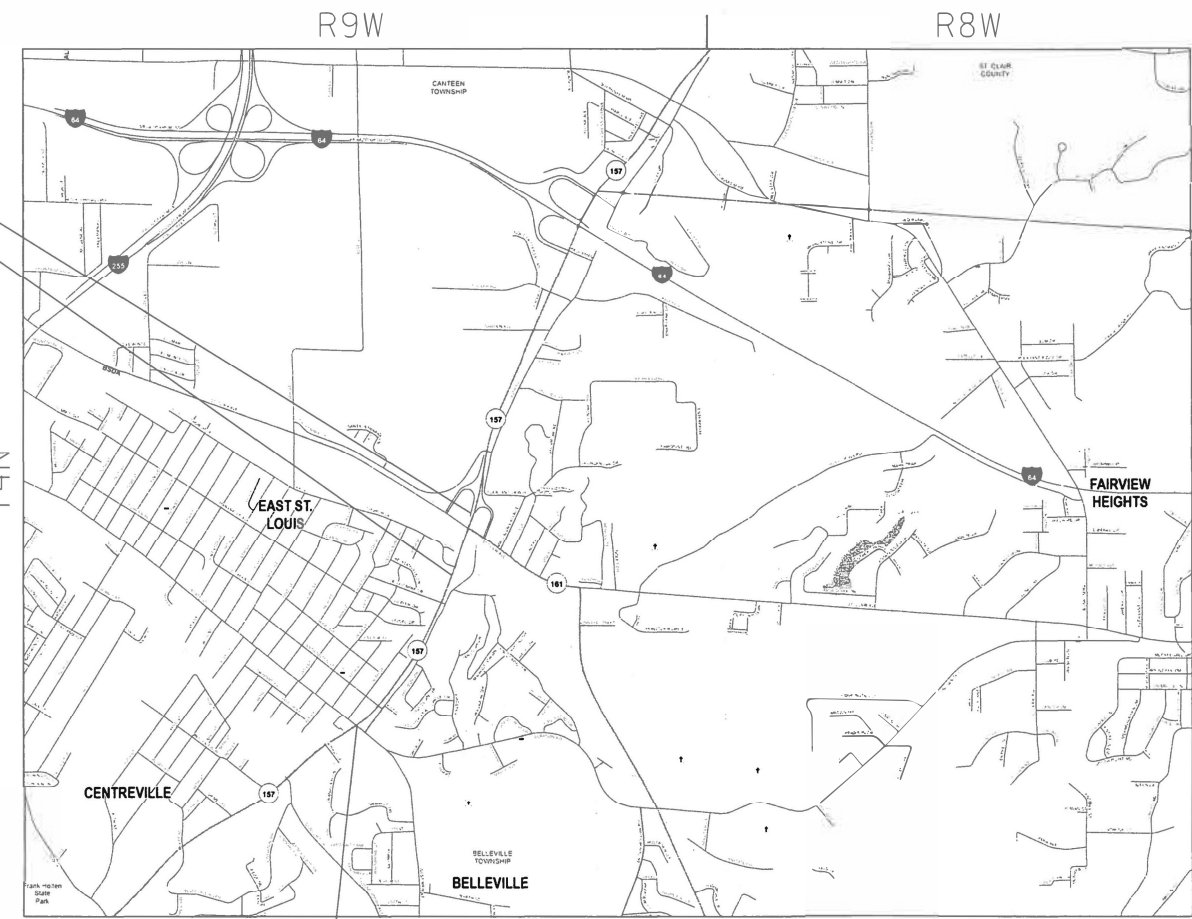
FUNCTIONAL CLASSIFICATION:  
OTHER ARTERIAL



BEGIN OMISSION  
IL 157 NORTH OF  
SN 082-0399  
STA. 203 + 00.00

END OMISSION  
IL 157 SOUTH OF  
CHURCH LN  
STA. 216 + 50.02

BEGIN PROJECT  
IL 157 AT N I-64  
ENTRANCE RAMP/  
PETROFF DR  
STA. 139 + 00.00  
LAT: 38.61606 N  
LONG: 90.04478 W



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: HERVE GELIN (618) 346-3179  
PROJECT MANAGER: BRANDON HUMPHREYS (618) 346-3413  
CONTRACT NO. 76K45

END PROJECT  
IL 157 AT  
STATE ST/MAIN ST  
STA. 249 + 25.00  
LAT: 38.58886 N  
LONG: 90.06040 W

LOCATION MAP  
NOT TO SCALE  
GROSS LENGTH = 11,025 FT. = 2.088 MILE  
NET LENGTH = 9,675 FT. = 1.832 MILE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 9 2020  
Keith Roberts  
REGIONAL ENGINEER

January 29, 2021  
Scott A. Elk  
ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021  
James J. Gu  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL 20% STATE ROADWAY 0005 URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	61928	61928
40600990	TEMPORARY RAMP	SQ YD	1080	1080
40602975	HOT-MIX ASPHALT BINDER COURSE, 1L-9.5FG, N90	TON	5580	5580
40604064	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N90	TON	6695	6695
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	96979	96979
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	890	890
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	273	273
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	22	22
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	236	236
44201299	DOWEL BARS 1 1/2"	EACH	639	639
44213200	SAW CUTS	FOOT	1887	1887
44213204	TIE BARS 3/4"	EACH	42	42
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	204	204
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2841	2841

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL 20% STATE ROADWAY 0005 URBAN
60260100	INLETS TO BE ADJUSTED	EACH	1	1
* 63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	2688	2688
* 63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	1325	1325
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	3
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	5	5
63200310	GUARDRAIL REMOVAL	FOOT	4114	4114
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8	8
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1

\* SPECIALTY ITEM

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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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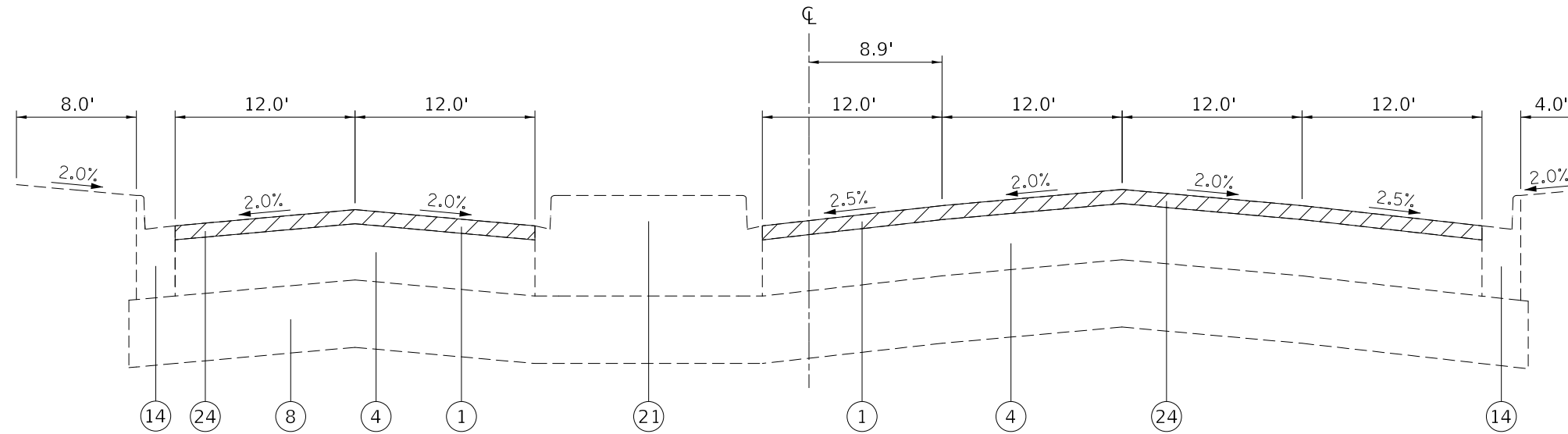
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	3
			CONTRACT NO. 76K45	
		ILLINOIS	FED. AID PROJECT	





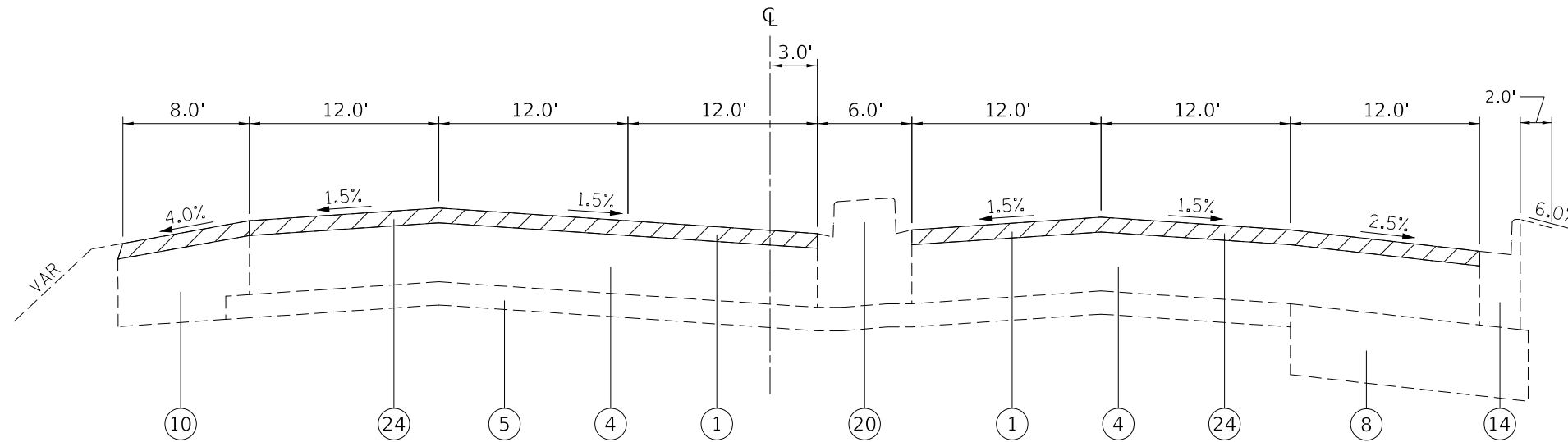






**EXISTING TYPICAL SECTION  
STATE ROUTE IL 157**

STA 149+30.00 TO STA 152+60.00



**EXISTING TYPICAL SECTION  
STATE ROUTE IL 157**

STA 152+60.00 TO STA 154+60.00

- HMA REMOVAL, 2 1/2"
- HMA REMOVAL, 2 3/4"

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ② EXISTING BITUMINOUS RESURFACING, 7 3/4"
- ③ EXISTING P.C.C. PAVEMENT, 8"
- ④ EXISTING P.C.C. PAVEMENT, 10"
- ⑤ EXISTING STABILIZED SUBBASE, 4"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"

- ⑨ EXISTING BITUMINOUS SHOULDER, 10"
- ⑩ EXISTING BITUMINOUS SHOULDER, 14"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
- ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06

- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- ⑰ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- ⑱ EXISTING CONCRETE GUTTER, TYPE A
- ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06
- ㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- ㉒ EXISTING GRASS MEDIAN
- ㉓ EXISTING PIPE UNDERDRAIN

- ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"
- ㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"
- ㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"
- ㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ㉚ PROPOSED TACK COAT
- ㉛ PROPOSED LONGITUDINAL JOINT SEALANT

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

SCALE: SHEET 3 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	7
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



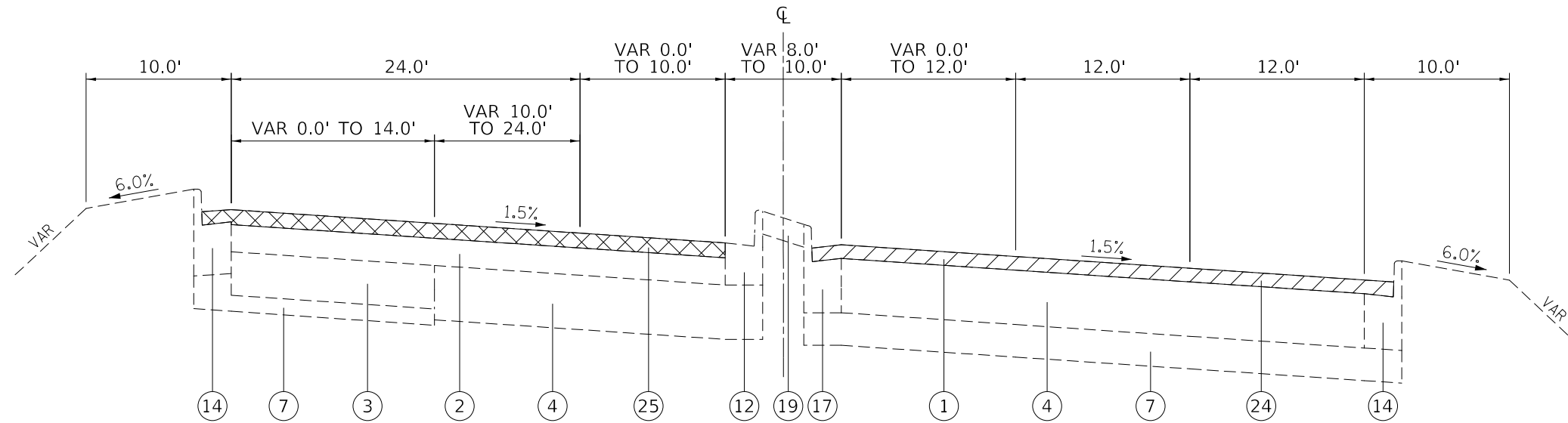






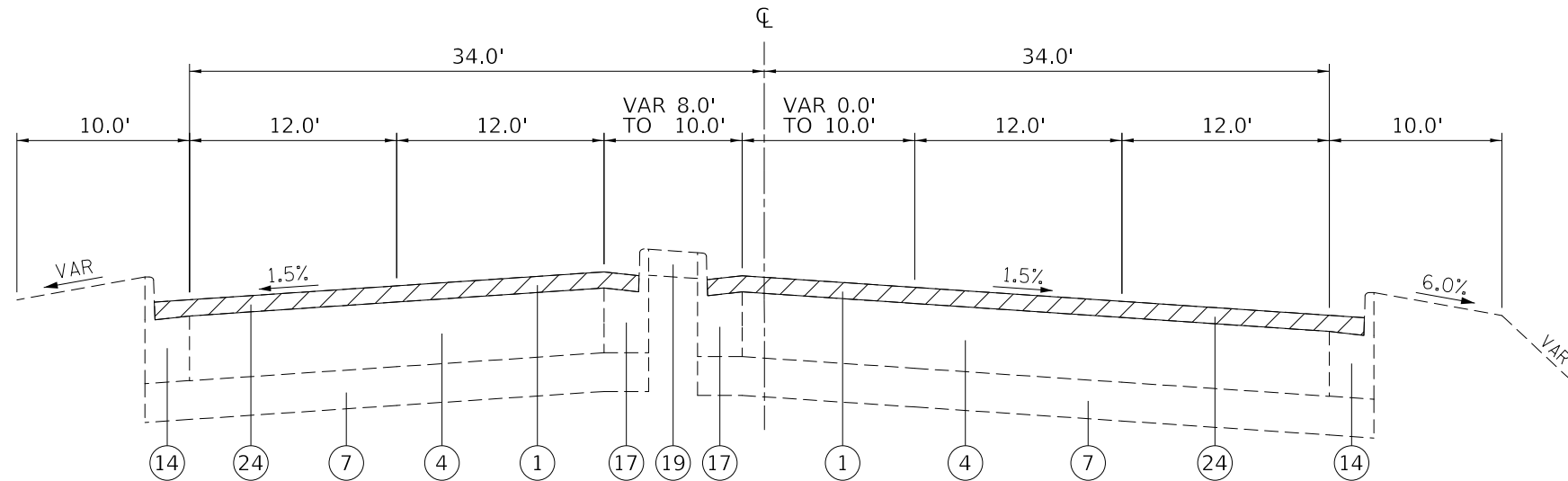








**EXISTING SUPERELEVATED TYPICAL SECTION**  
**STATE ROUTE IL 157**

STA 216+50.02 TO STA 219+26.35



**EXISTING TYPICAL SECTION**  
**STATE ROUTE IL 157**

STA 219+26.35 TO STA 222+11.65

-  HMA REMOVAL, 2 1/2"
-  HMA REMOVAL, 2 3/4"

**LEGEND**

- |   |   |   |  |
|---|---|---|--|
| <ul style="list-style-type: none"> <li>① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"</li> <li>② EXISTING BITUMINOUS RESURFACING, 7 3/4"</li> <li>③ EXISTING P.C.C. PAVEMENT, 8"</li> <li>④ EXISTING P.C.C. PAVEMENT, 10"</li> <li>⑤ EXISTING STABILIZED SUBBASE, 4"</li> <li>⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"</li> <li>⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"</li> <li>⑧ EXISTING AGGREGATE SUBGRADE, 12"</li> </ul> | <ul style="list-style-type: none"> <li>⑨ EXISTING BITUMINOUS SHOULDER, 10"</li> <li>⑩ EXISTING BITUMINOUS SHOULDER, 14"</li> <li>⑪ EXISTING AGGREGATE SHOULDER, TYPE B</li> <li>⑫ EXISTING COMBINATION CONCRETE CURB &amp; GUTTER, TYPE B-6.06</li> <li>⑬ EXISTING COMBINATION CONCRETE CURB &amp; GUTTER, TYPE B-6.12</li> <li>⑭ EXISTING COMBINATION CONCRETE CURB &amp; GUTTER, TYPE B-6.24</li> <li>⑮ EXISTING COMBINATION CONCRETE CURB &amp; GUTTER, TYPE B-9.06</li> </ul> | <ul style="list-style-type: none"> <li>⑯ EXISTING COMBINATION CONCRETE CURB &amp; GUTTER, TYPE B-9.12</li> <li>⑰ EXISTING COMBINATION CONCRETE CURB &amp; GUTTER, TYPE B-9.24</li> <li>⑱ EXISTING CONCRETE GUTTER, TYPE A</li> <li>⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"</li> <li>⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06</li> <li>㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12</li> <li>㉒ EXISTING GRASS MEDIAN</li> <li>㉓ EXISTING PIPE UNDERDRAIN</li> </ul> | <ul style="list-style-type: none"> <li>㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"</li> <li>㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"</li> <li>㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"</li> <li>㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"</li> <li>㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"</li> <li>㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B</li> <li>㉚ PROPOSED TACK COAT</li> <li>㉛ PROPOSED LONGITUDINAL JOINT SEALANT</li> </ul> |
|---|---|---|--|

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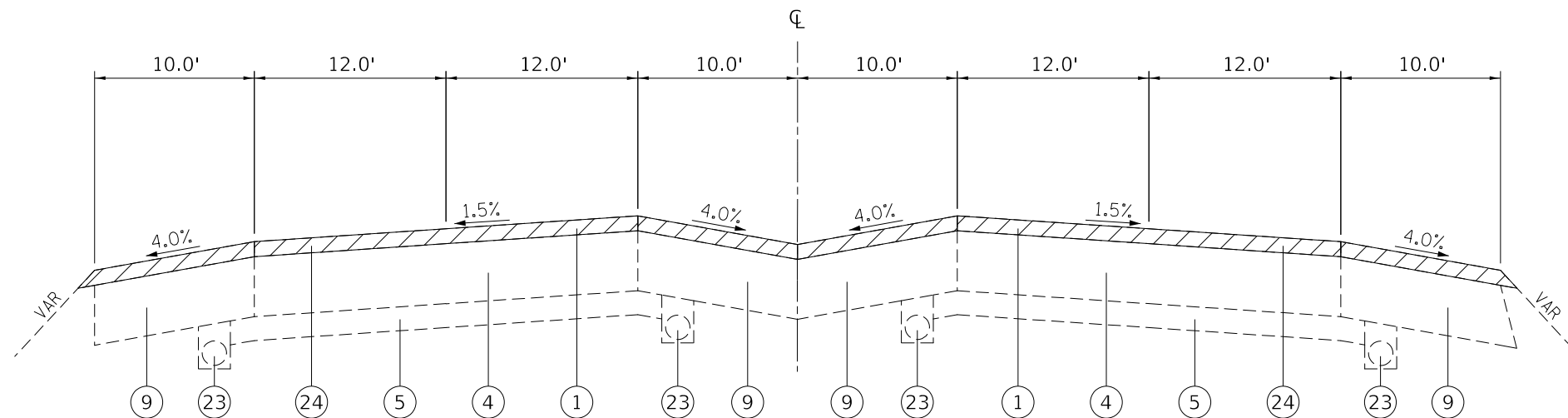
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

SCALE: SHEET 9 OF 13 SHEETS STA. TO STA.

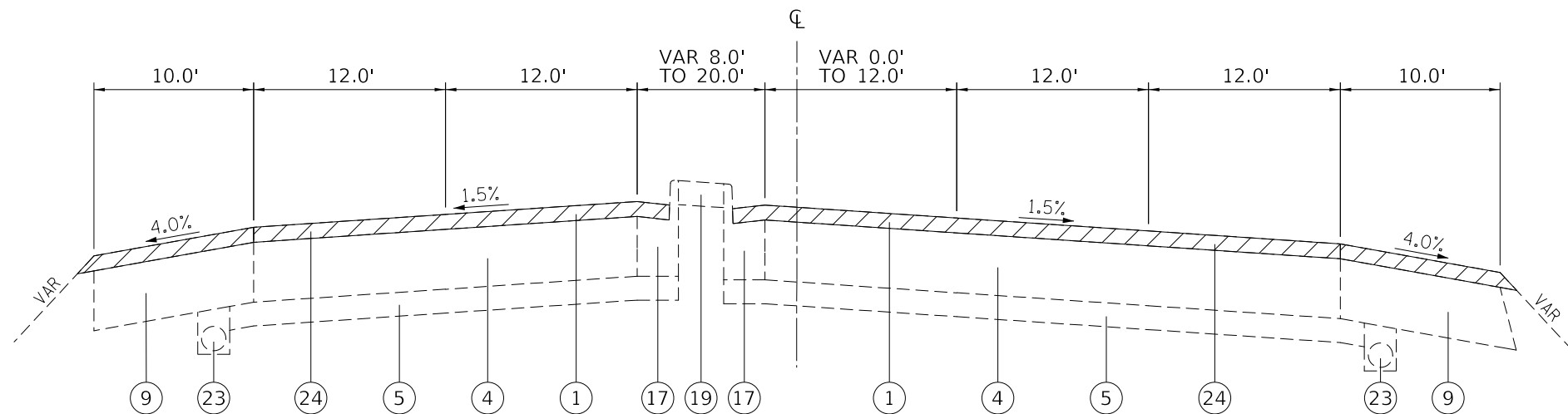
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	13
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	





**EXISTING TYPICAL SECTION  
STATE ROUTE IL 157**

LT: STA 226+34.00 TO STA 239+87.63  
RT: STA 226+83.16 TO STA 239+87.63



**EXISTING TYPICAL SECTION  
STATE ROUTE IL 157**

LT: STA 239+87.63 TO STA 243+06.00  
RT: STA 239+87.63 TO STA 243+30.34

HMA REMOVAL, 2 1/2"

HMA REMOVAL, 2 3/4"

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ② EXISTING BITUMINOUS RESURFACING, 7 3/4"
- ③ EXISTING P.C.C. PAVEMENT, 8"
- ④ EXISTING P.C.C. PAVEMENT, 10"
- ⑤ EXISTING STABILIZED SUBBASE, 4"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"

- ⑨ EXISTING BITUMINOUS SHOULDER, 10"
- ⑩ EXISTING BITUMINOUS SHOULDER, 14"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
- ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06

- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- ⑰ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- ⑱ EXISTING CONCRETE GUTTER, TYPE A
- ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06
- ㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- ㉒ EXISTING GRASS MEDIAN
- ㉓ EXISTING PIPE UNDERDRAIN

- ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"
- ㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"
- ㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"
- ㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ㉚ PROPOSED TACK COAT
- ㉛ PROPOSED LONGITUDINAL JOINT SEALANT

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

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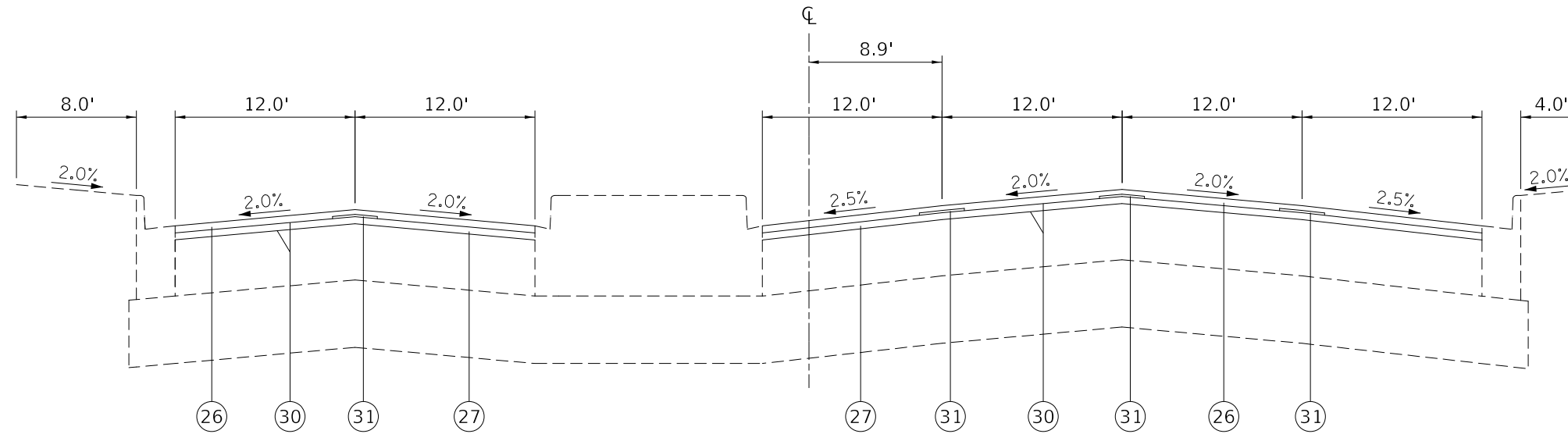
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CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				





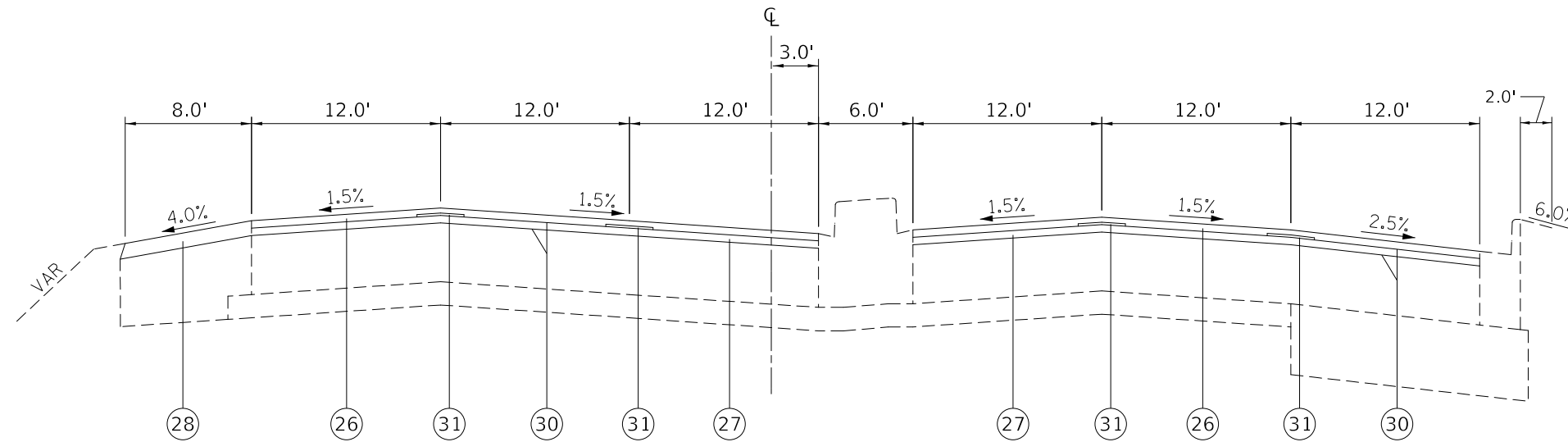






**PROPOSED TYPICAL SECTION**  
**STATE ROUTE IL 157**

STA 149+30.00 TO STA 152+60.00



**PROPOSED TYPICAL SECTION**  
**STATE ROUTE IL 157**

STA 152+60.00 TO STA 154+60.00

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ② EXISTING BITUMINOUS RESURFACING, 7 3/4"
- ③ EXISTING P.C.C. PAVEMENT, 8"
- ④ EXISTING P.C.C. PAVEMENT, 10"
- ⑤ EXISTING STABILIZED SUBBASE, 4"
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- ⑩ EXISTING BITUMINOUS SHOULDER, 14"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
- ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06

- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- ⑰ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- ⑱ EXISTING CONCRETE GUTTER, TYPE A
- ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06
- ㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- ㉒ EXISTING GRASS MEDIAN
- ㉓ EXISTING PIPE UNDERDRAIN

- ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"
- ㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"
- ㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"
- ㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ㉚ PROPOSED TACK COAT
- ㉛ PROPOSED LONGITUDINAL JOINT SEALANT

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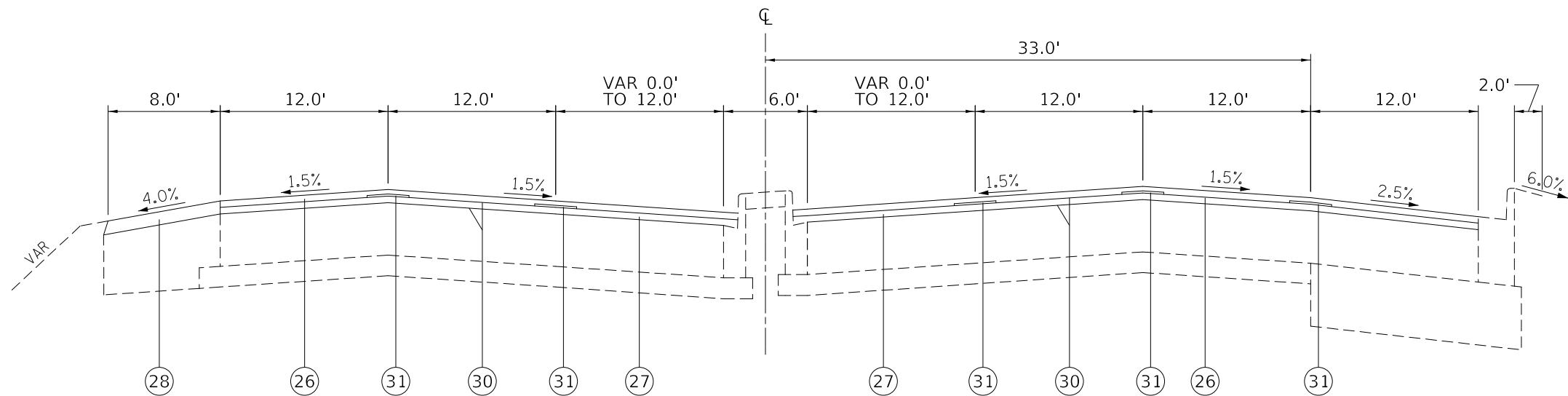
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

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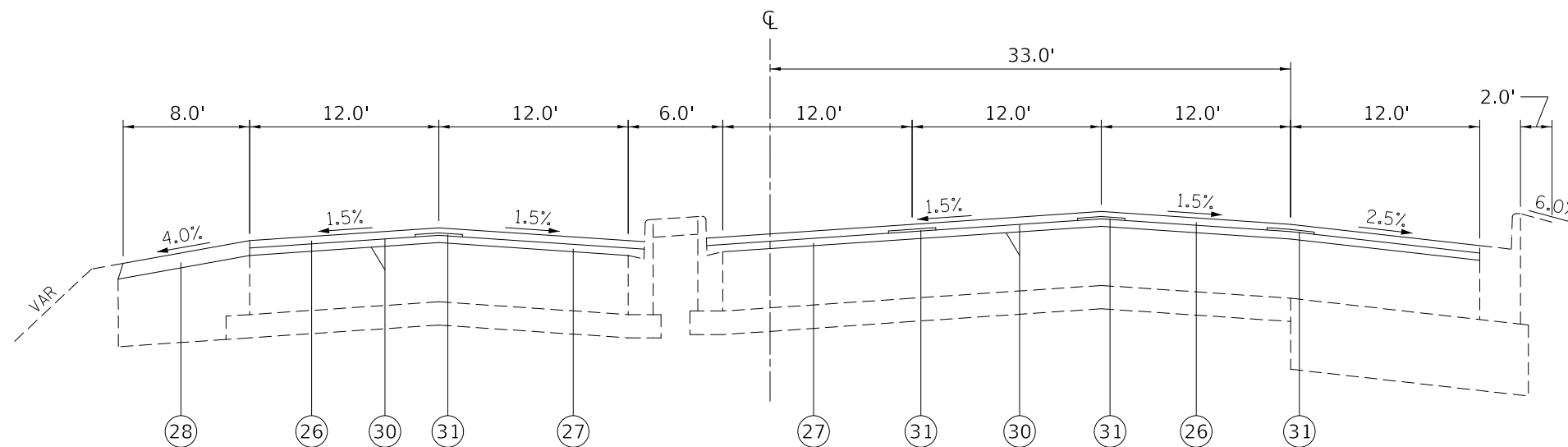
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	20
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	





**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

STA 154+60.00 TO STA 156+99.86



**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

STA 156+99.86 TO STA 160+87.63

**LEGEND**

- |  |  |  |   |  |  |   |  |  |
|--|--|--|---|--|--|---|--|--|
| ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑨ EXISTING BITUMINOUS SHOULDER, 10"                        | ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 | ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"      | ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06 | ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.12           | ⑳ EXISTING GRASS MEDIAN   | ㉓ EXISTING PIPE UNDERDRAIN   | ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" |
| ② EXISTING BITUMINOUS RESURFACING, 7 3/4"    | ⑩ EXISTING BITUMINOUS SHOULDER, 14"                        | ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 | ㉑ EXISTING CONCRETE GUTTER, TYPE A          | ㉒ EXISTING GRASS MEDIAN                  | ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4" | ㉕ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2" | ㉖ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4" | ㉗ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"  |
| ③ EXISTING P.C.C. PAVEMENT, 8"               | ⑪ EXISTING AGGREGATE SHOULDER, TYPE B                      | ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06 | ㉘ EXISTING GRASS MEDIAN                     | ㉙ EXISTING GRASS MEDIAN                  | ㉘ EXISTING GRASS MEDIAN                            | ㉙ EXISTING GRASS MEDIAN   | ㉙ EXISTING GRASS MEDIAN  | ㉚ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B        |
| ④ EXISTING P.C.C. PAVEMENT, 10"              | ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06 | ⑯ EXISTING CONCRETE GUTTER, TYPE A                         | ㉚ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B | ㉛ PROPOSED TACK COAT                     | ㉜ PROPOSED TACK COAT                               | ㉜ PROPOSED TACK COAT  | ㉜ PROPOSED TACK COAT   | ㉝ PROPOSED LONGITUDINAL JOINT SEALANT              |
| ⑤ EXISTING STABILIZED SUBBASE, 4"            | ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 | ㉜ PROPOSED TACK COAT                                       | ㉞ PROPOSED LONGITUDINAL JOINT SEALANT       | ㉞ PROPOSED LONGITUDINAL JOINT SEALANT    | ㉞ PROPOSED LONGITUDINAL JOINT SEALANT              | ㉞ PROPOSED LONGITUDINAL JOINT SEALANT                                   | ㉞ PROPOSED LONGITUDINAL JOINT SEALANT                                    | ㉞ PROPOSED LONGITUDINAL JOINT SEALANT              |
| ⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"     | ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 | ㉝ PROPOSED LONGITUDINAL JOINT SEALANT                      |   |  |  |   |  |  |
| ⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"     | ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06 |  |   |  |  |   |  |  |
| ⑧ EXISTING AGGREGATE SUBGRADE, 12"           |  |  |   |  |  |   |  |  |

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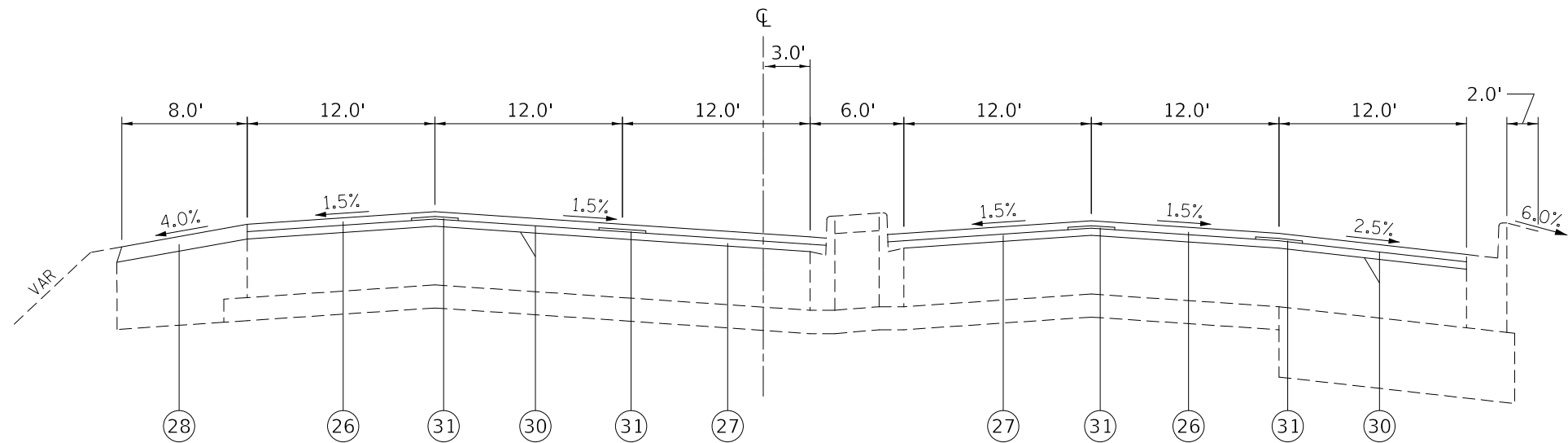
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

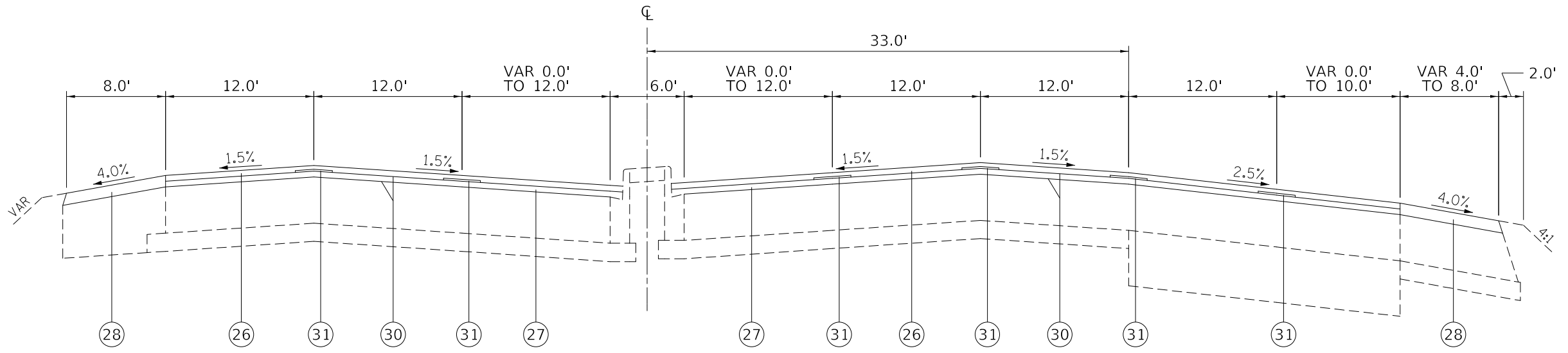
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	21
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

STA 160+87.63 TO STA 161+28.91



**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

STA 161+28.91 TO STA 167+25.00

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ② EXISTING BITUMINOUS RESURFACING, 7 3/4"
- ③ EXISTING P.C.C. PAVEMENT, 8"
- ④ EXISTING P.C.C. PAVEMENT, 10"
- ⑤ EXISTING STABILIZED SUBBASE, 4"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"

- ⑨ EXISTING BITUMINOUS SHOULDER, 10"
- ⑩ EXISTING BITUMINOUS SHOULDER, 14"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
- ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06

- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- ⑰ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- ⑱ EXISTING CONCRETE GUTTER, TYPE A
- ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06
- ㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- ㉒ EXISTING GRASS MEDIAN
- ㉓ EXISTING PIPE UNDERDRAIN

- ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"
- ㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"
- ㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"
- ㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ㉚ PROPOSED TACK COAT
- ㉛ PROPOSED LONGITUDINAL JOINT SEALANT

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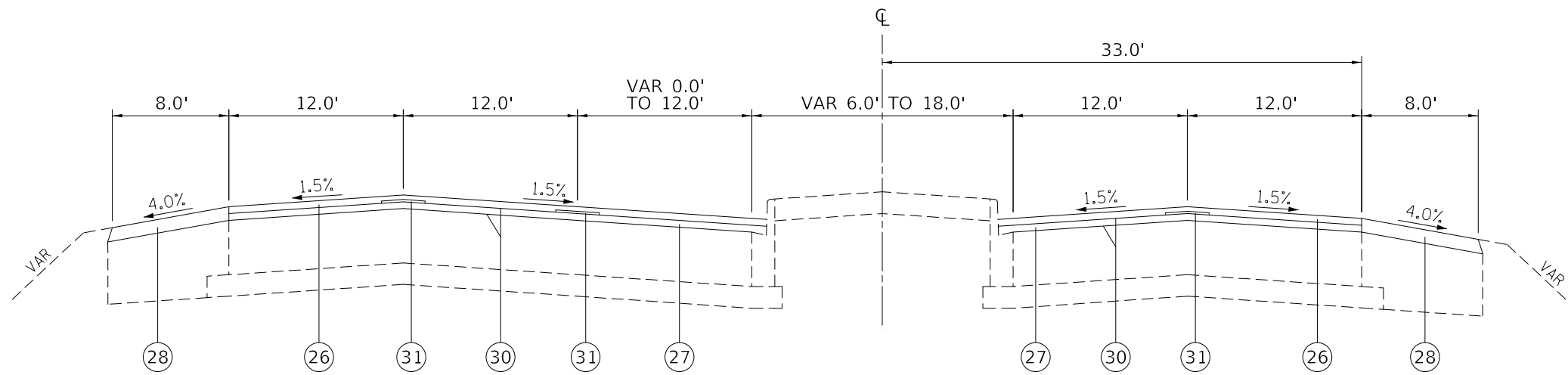
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED TYPICAL SECTIONS</b>			
SCALE:	SHEET 5	OF 13 SHEETS	STA. TO STA.

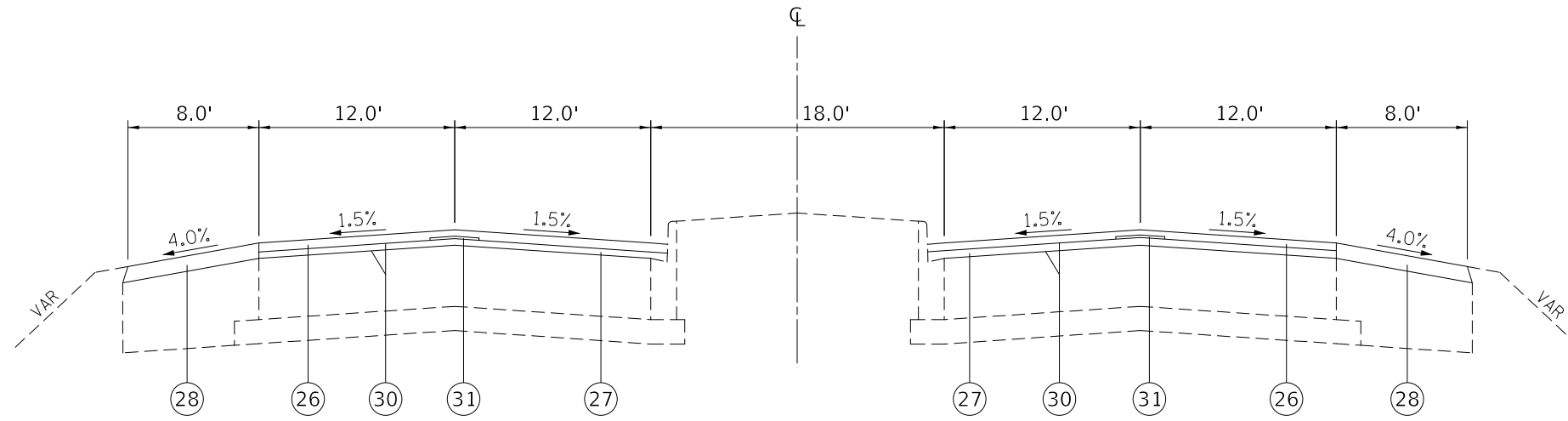
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592	(32-1, 119-1)RS-3	ST. CLAIR	92	22
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				





**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

STA 170+98.45 TO STA 173+51.90



**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

STA 173+51.90 TO STA 183+84.30

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ② EXISTING BITUMINOUS RESURFACING, 7 3/4"
- ③ EXISTING P.C.C. PAVEMENT, 8"
- ④ EXISTING P.C.C. PAVEMENT, 10"
- ⑤ EXISTING STABILIZED SUBBASE, 4"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"

- ⑨ EXISTING BITUMINOUS SHOULDER, 10"
- ⑩ EXISTING BITUMINOUS SHOULDER, 14"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
- ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06

- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- ⑰ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- ⑱ EXISTING CONCRETE GUTTER, TYPE A
- ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06
- ㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- ㉒ EXISTING GRASS MEDIAN
- ㉓ EXISTING PIPE UNDERDRAIN

- ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"
- ㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"
- ㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"
- ㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ㉚ PROPOSED TACK COAT
- ㉛ PROPOSED LONGITUDINAL JOINT SEALANT

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

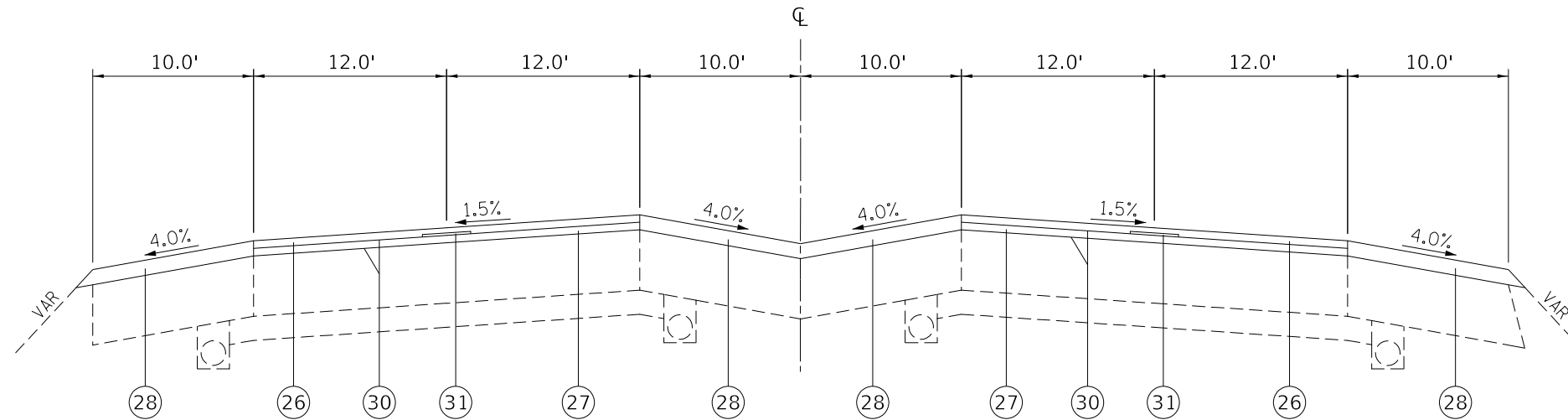
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	24
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



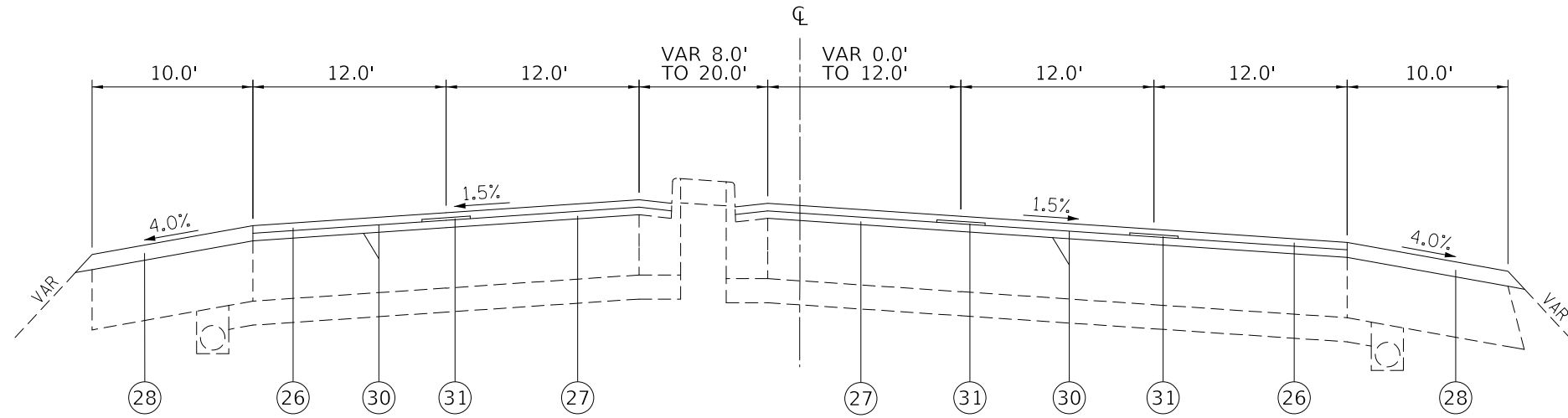






**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

LT: STA 226+34.00 TO STA 239+87.63  
RT: STA 226+83.16 TO STA 239+87.63



**PROPOSED TYPICAL SECTION  
STATE ROUTE IL 157**

LT: STA 239+87.63 TO STA 243+06.00  
RT: STA 239+87.63 TO STA 243+30.34

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ② EXISTING BITUMINOUS RESURFACING, 7 3/4"
- ③ EXISTING P.C.C. PAVEMENT, 8"
- ④ EXISTING P.C.C. PAVEMENT, 10"
- ⑤ EXISTING STABILIZED SUBBASE, 4"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, 6"
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"

- ⑨ EXISTING BITUMINOUS SHOULDER, 10"
- ⑩ EXISTING BITUMINOUS SHOULDER, 14"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
- ⑬ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑭ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.06

- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- ⑰ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- ⑱ EXISTING CONCRETE GUTTER, TYPE A
- ⑲ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑳ EXISTING CONCRETE MEDIAN, TYPE SB-6.06
- ㉑ EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- ㉒ EXISTING GRASS MEDIAN
- ㉓ EXISTING PIPE UNDERDRAIN

- ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ㉕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ㉖ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90, 1 1/2"
- ㉗ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90, 1 1/4"
- ㉘ PROPOSED HOT-MIX ASPHALT SHOULDERS, N30, 2 3/4"
- ㉙ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ㉚ PROPOSED TACK COAT
- ㉛ PROPOSED LONGITUDINAL JOINT SEALANT

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST. CLAIR	92	28
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	







RESURFACING SCHEDULE													
LOCATION			LENGTH	HMA SURFACE REMOVAL, 2 1/2"	HMA SURFACE REMOVAL, 2 3/4"	HMA SURFACE COURSE, IL-9.5, MIX "D", N90 1 1/2"	HMA BINDER COURSE, IL-9.5FG, N90 1 1/4"	LONGITUDINAL JOINT SEALANT	HMA SHOULDERS	AGGREGATE WEDGE SHOULDER, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	CURB REFLECTORS	NOTES
STATION	TO	STATION	FOOT	SO YD	SO YD	TON	TON	FOOT	TON	TON	POUND	EACH	
IL 157													
139+00	TO	140+80	180.00	1680		121	101	1104	37	5	1080	48	
140+80	TO	144+70	390.00	5509		463	386	1660			3719	23	
144+70	TO	147+13	243.00	1841		155	129	901			1243	16	
147+13	TO	149+30	217.00	1656		140	116	1085			1118	20	
149+30	TO	152+61	331.00	4847		408	340	1602			3272	78	
152+61	TO	155+18	257.00	2285		173	144	956	36	4	1491	16	
155+18	TO	157+00	182.00	1639		125	104	910	25	3	1070	18	
157+00	TO	160+67	367.00	4834		379	316	1964	51	5	3189	52	
160+67	TO	161+60	93.00	838		64	53	495	13	2	547	8	
161+60	TO	167+25	565.00	5776		412	343	2402	136	15	3701	37	
167+25	TO	168+58	133.00	1711		124	104	399	37	4	1101	5	
168+58	TO	170+98	240.00	2054		137	114	720	66	7	1290	15	
170+98	TO	173+03	205.00	1618		106	88	615	57	6	1010	15	
173+03	TO	183+84	1081.00	7808		495	412	2162	296	29	4838	8	
183+84	TO	192+37	853.00	6614		429	357	1706	234	23	4122	46	
192+37	TO	203+00	1063.00	9568		645	538	2727	292	28	6033	57	
203+00	TO	216+50	1350.00										RESURFACING OMISSION
216+50	TO	219+26	276.00	1120	890	169	141	952			1356	21	
219+26	TO	222+12	286.00	2625		221	184	976			1772	18	
222+12	TO	224+44	232.00	1753		148	123	696			1184	15	
224+44	TO	226+83	239.00	1780		139	116	600	21		1172	18	
226+83	TO	239+88	1305.00	12760		585	488	2610	894		7308		
239+88	TO	243+27	339.00	2939		184	153	980	117		1814	21	
243+27	TO	244+00	73.00	536		45	38	219			362	6	
244+00	TO	247+75	375.00	3364		283	236	1162			2271	29	
RAMP 1													
0+38	TO	0+68	30.00	87		6	5		5	1	53	4	
0+68	TO	6+70	602.00	1740		102	85	67	83	8	1054	16	
6+70	TO	9+20	250.00	779		38	32		52	10	450		
RAMP 2													
2+40	TO	3+90	150.00	467		23	19		31	6	270		
3+90	TO	9+41	551.00	1592		93	78	68	76	8	965	14	
9+41	TO	9+71	30.00	87		6	5		5	1	53	1	
RAMP 3													
3+90	TO	7+50	360.00	1120		54	45		74	14	648		
7+50	TO	13+19	569.00	1644		96	80	65	78	8	996	18	
RAMP 4													
0+31	TO	5+60	529.00	1529		89	75	98	73	7	926	14	
5+60	TO	8+10	250.00	779		38	32		52	10	450		
TOTALS				96979	890	6695	5580	29901	2841	204	61928	657	

GUARDRAIL SCHEDULE											
STATION	TO	STATION	LENGTH OF NEED	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 2	TERMINAL MARKER-DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	NOTES
				FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT	
138+50	TO	139+56	112.5	87.5		1	1	1	2	113	IL 157, MATCH EXISTING
192+00	TO	194+25	637.5	612.5		1	1	1	8	638	IL 157 & CALIFORNIA DR, MATCH EXISTING
223+07	TO	243+29	2012.5	1987.5		1	1	1	26	2013	IL 157, MATCH EXISTING
226+34	TO	239+88	1350.0		1325.0	2		2	17	1350	IL 157, MATCH EXISTING
TOTALS				2688	1325	5	3	5	53	4114	

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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: NTS	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	31
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



PATCHING SCHEDULE										
STATION	LOCATION	LANE	LENGTH	WIDTH	CLASS B PATCHES			DOWEL BARS, 1 1/2"	SAW CUTS	TIE BARS, 3/4"
					13-INCH					
					TYPE II	TYPE III	TYPE IV			
FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	FOOT	EACH			
IL 157										
147+59	SB	RDL	8	12	11			20	52	
147+98	SB	RDL	8	12	11			20	52	
147+98	SB	RTL	8	12	11			20	52	
149+05	SB	LDL	10	12	14			20	56	
153+19	SB	LDL	8	12	11			20	52	
153+19	SB	RDL	8	12	11			20	52	
170+71	SB	RDL	10	12	14			20	56	
175+36	SB	RDL	8	12	11			20	52	
195+74	SB	LDL	8	12	11			20	52	
201+66	SB	RDL	8	12	11			20	52	
201+66	SB	RTL	22	12			30	20	80	7
174+81	NB	LDL	8	12	11			20	52	
174+81	NB	RDL	8	12	11			20	52	
182+60	NB	LDL	8	12	11			20	52	
183+54	NB	RDL	8	12	11			20	52	
227+00	NB	LDL	42	12			56	20	120	14
227+00	NB	RDL	42	12			56	20	120	14
237+40	NB	RDL	20	12			27	20	76	
237+40	NB	RDL	20	12			27	20	76	
239+63	NB	LDL	8	12	11			20	52	
241+47	NR	RDI	8	12	11			20	52	
RAMP 1										
6+17	NB	RAMP	8	16	15			28	64	
RAMP 4										
8+68	SB	RAMP	8	16	15			28	64	
11+18	SB	RAMP	10	16		18		28	68	
12+00	SB	RAMP	8	16	15			28	64	
SUBTOTALS					227	18	196	532	1572	35
20% ANTICIPATED PATCHING					46	4	40	107	315	7
TOTALS					273	22	236	639	1887	42

TEMPORARY RAMP SCHEDULE		
STATION	TEMPORARY RAMP SQ YD	NOTES
IL 157		
139+00	55	BEGIN RESURFACING
140+00	37	PETROFF DR
140+00	125	WESTBOUND I-64 RAMPS
151+78	28	RAUCKMANN DR
151+78	97	EASTBOUND I-64 RAMPS
160+25	28	TUCKER DR
160+25	34	TUCKER DR
168+14	24	GARDEN AVE
168+14	24	GARDEN AVE
192+00	31	CALIFORNIA DR
192+00	23	CALIFORNIA DR
196+50	20	IL 161/ST CLAIR AVE RAMP, RAMP 3
200+50	20	IL 161/ST CLAIR AVE RAMP, RAMP 1
201+00	20	IL 161/ST CLAIR AVE RAMP, RAMP 4
203+00	20	IL 161/ST CLAIR AVE RAMP, RAMP 2
203+00	60	BEGIN RESURFACING OMISSION
216+50	50	END RESURFACING OMISSION
221+71	35	VIEUX CARRE DR
221+71	49	VIEUX CARRE DR
244+08	25	WASHINGTON ST
244+08	25	WASHINGTON ST
247+75	52	END RESURFACING
IL 161/ST CLAIR AVE RAMPS		
0+38	62	RAMP 1
9+68	62	RAMP 2
13+15	37	RAMP 3
0+31	37	RAMP 4
TOTALS	1080	

SIGN SCHEDULE				
STATION	OFFSET	SIGN PANEL -	METAL POST -	NOTES
		TYPE J	TYPE A	
		SQ FT	FOOT	
IL 157				
220+31	44.0' RT	11	14	W11-2 & W16-9P
223+89	42.5' LT	11	14	W11-2 & W16-9P
TOTALS		22	28	

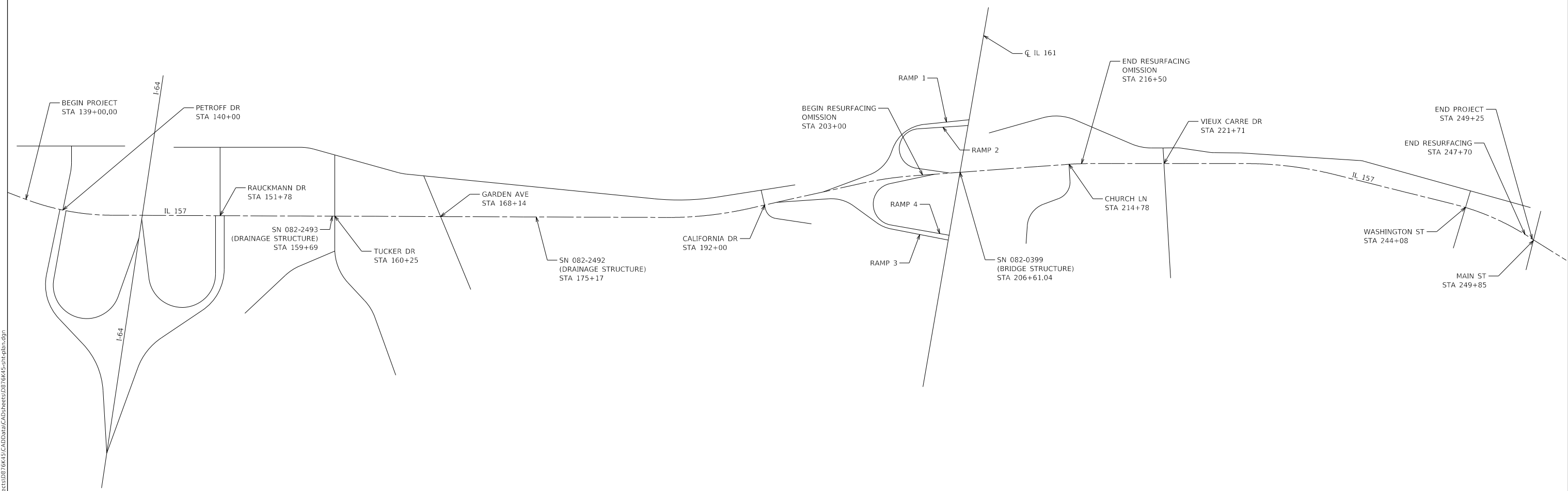
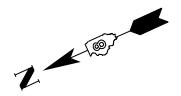
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
SCALE: NTS	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	33
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



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NOT TO SCALE

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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

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

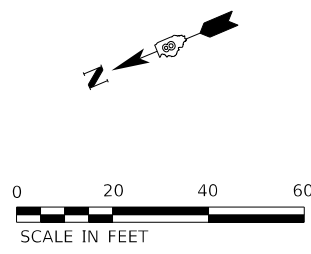
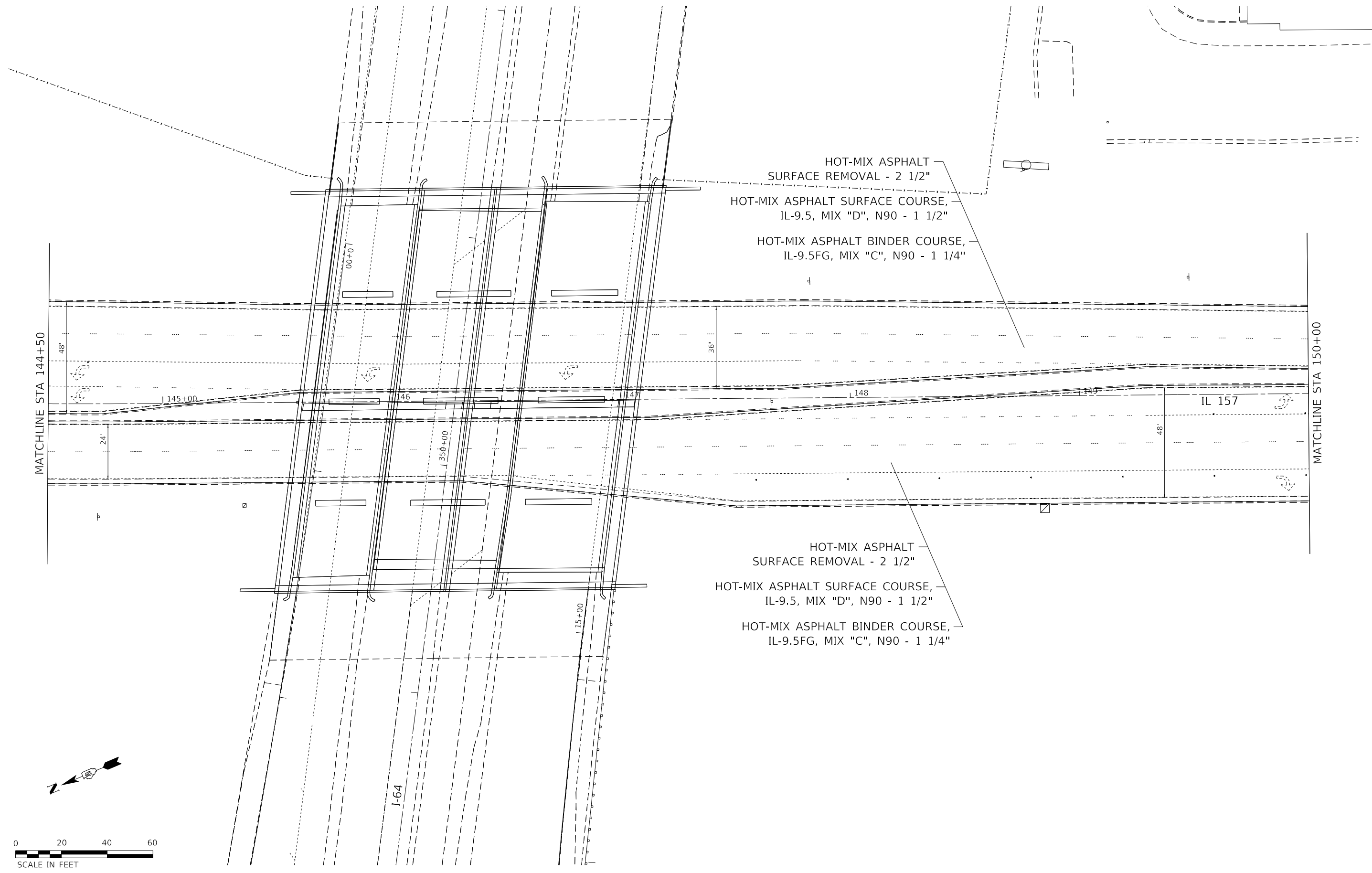
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592	(32-1,119-1)RS-3	ST. CLAIR	92	34
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		







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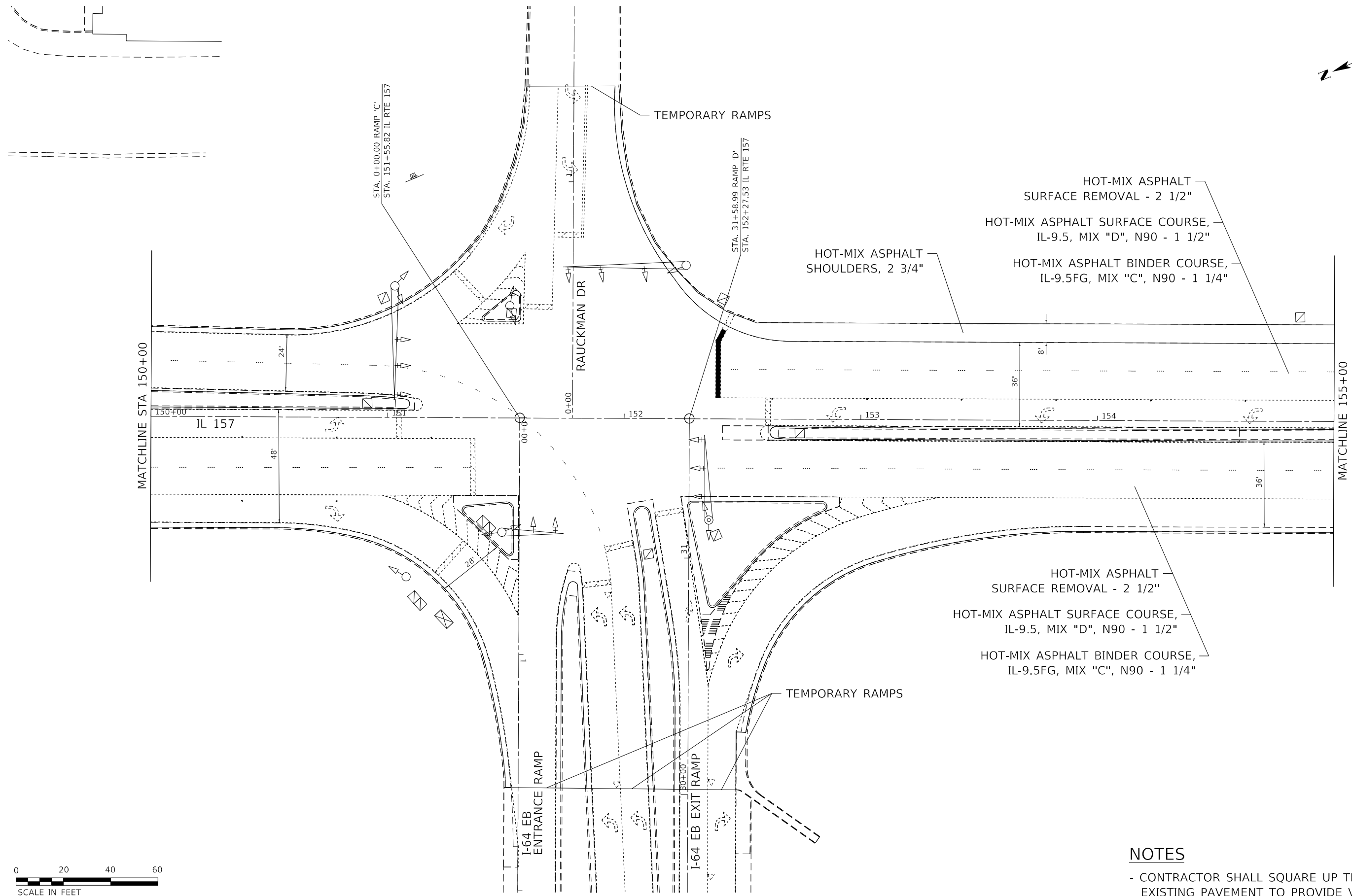
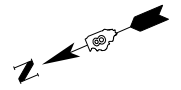


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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**  
 SCALE: 1"=20' SHEET 2 OF 24 SHEETS STA. 144+50 TO STA. 150+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	37
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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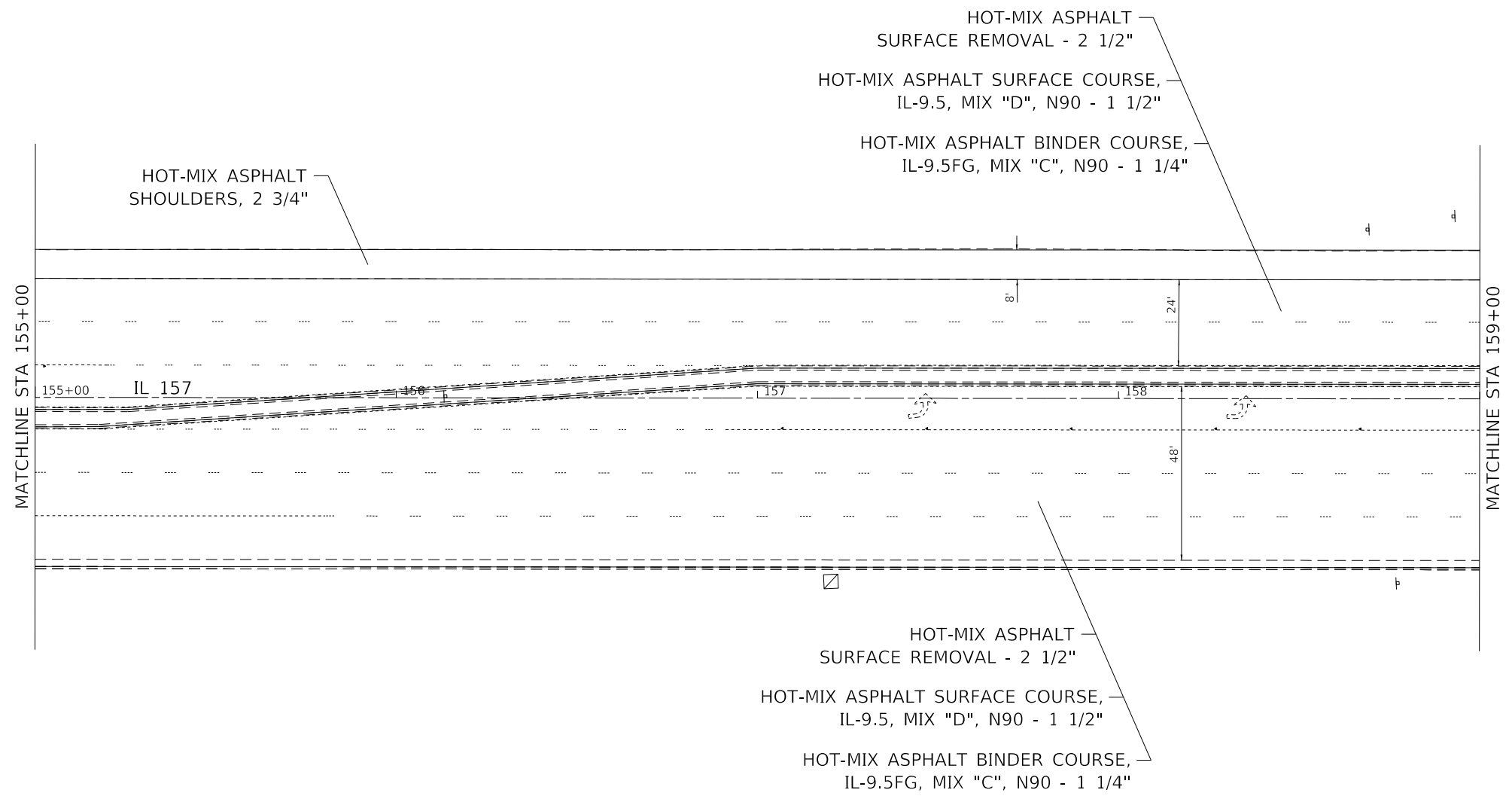
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 3    OF 24 SHEETS    STA. 150+00    TO STA. 155+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	38
ILLINOIS			FED. AID PROJECT	



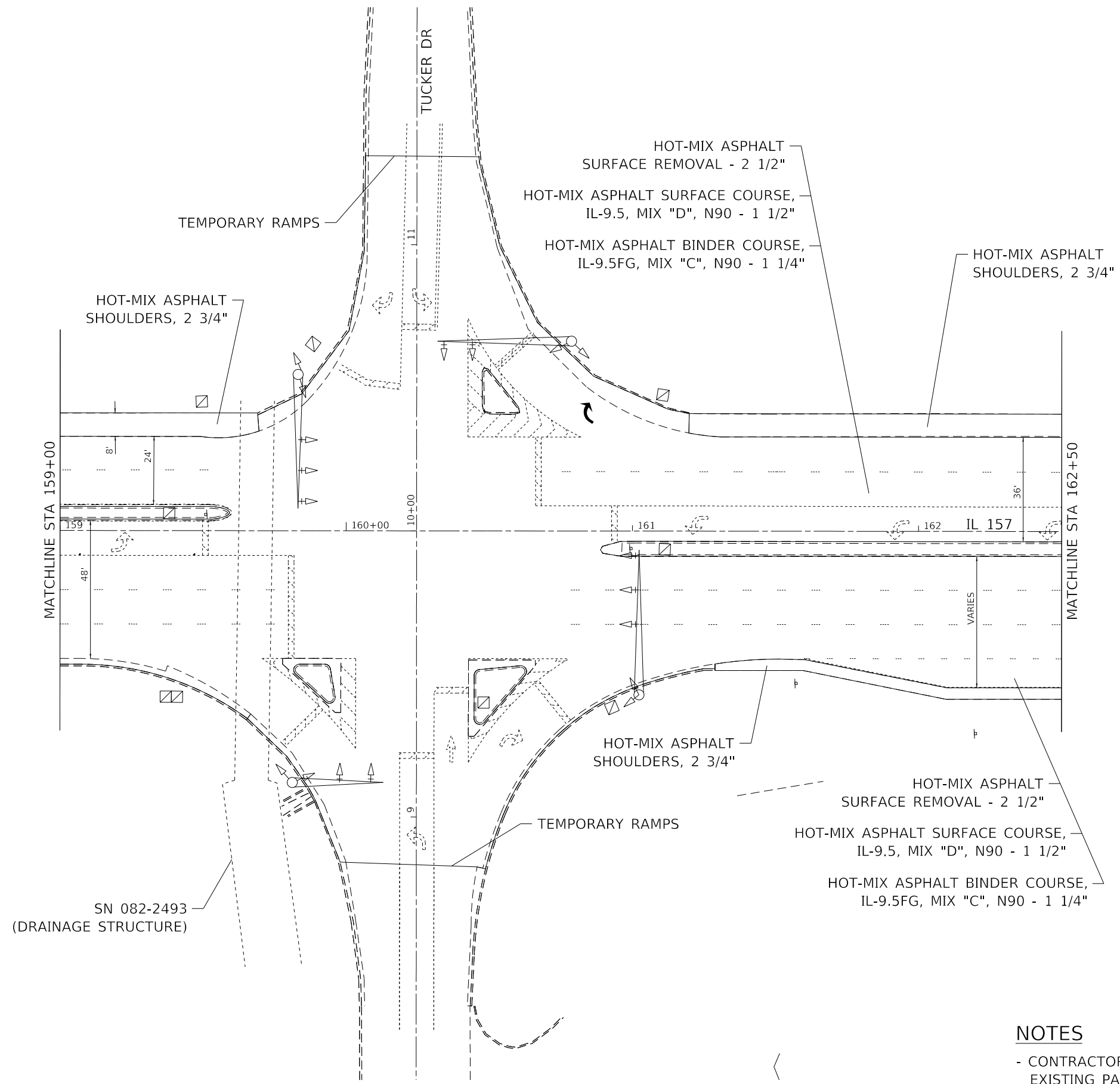
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**  
 SCALE: 1"=20'    SHEET 4 OF 24 SHEETS    STA. 155+00 TO STA. 159+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	39
CONTRACT NO. 76K45				
		ILLINOIS	FED. AID PROJECT	



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.



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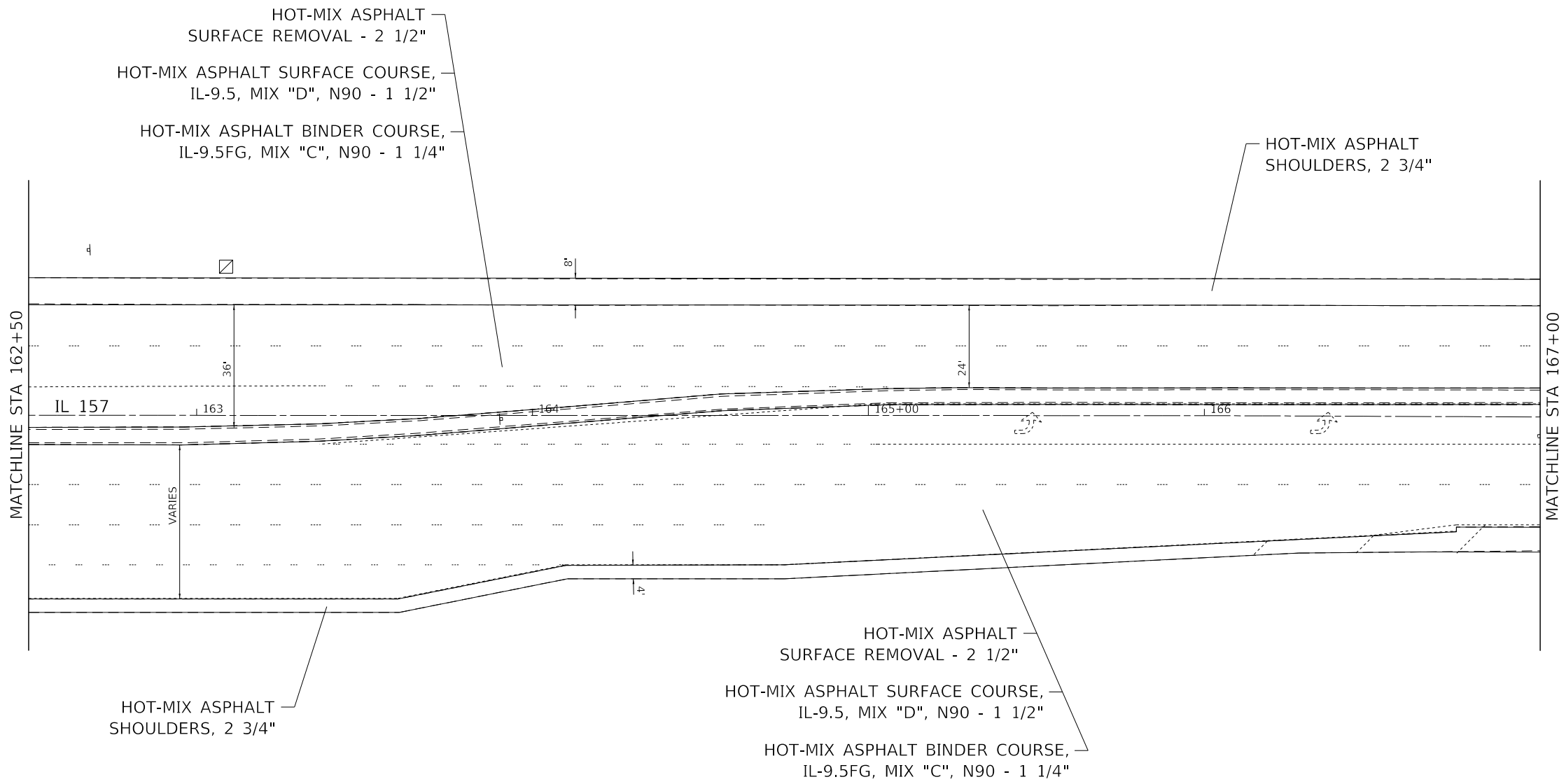
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20' SHEET 5 OF 24 SHEETS STA. 159+00 TO STA. 162+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	40
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		



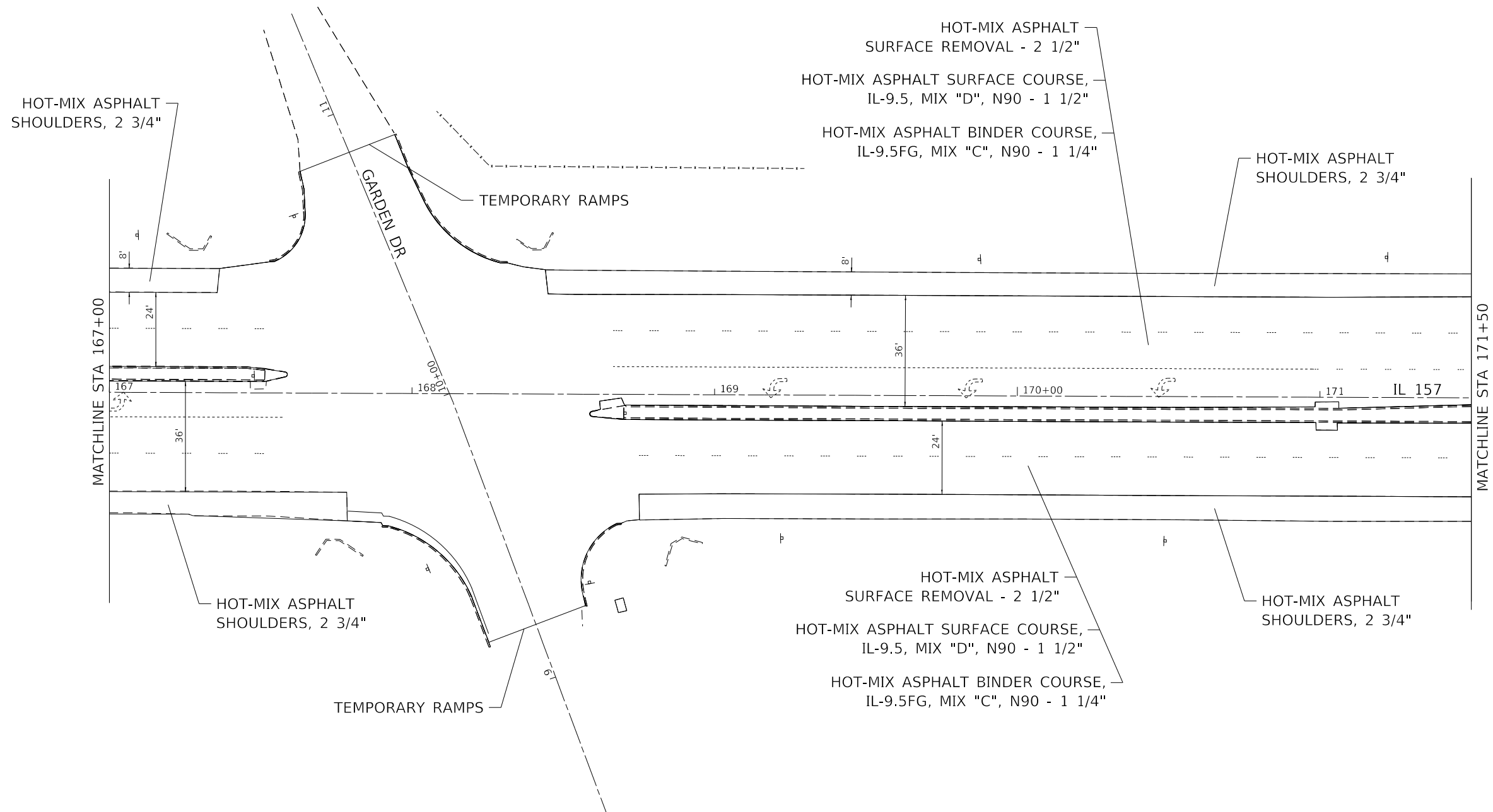
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**  
 SCALE: 1"=20'    SHEET 6    OF 24    SHEETS    STA. 162+50    TO STA. 167+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	41
CONTRACT NO. 76K45				
		ILLINOIS	FED. AID PROJECT	



HOT-MIX ASPHALT SHOULDERS, 2 3/4"

HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"  
 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90 - 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90 - 1 1/4"

HOT-MIX ASPHALT SHOULDERS, 2 3/4"

HOT-MIX ASPHALT SHOULDERS, 2 3/4"

HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"  
 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90 - 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90 - 1 1/4"

HOT-MIX ASPHALT SHOULDERS, 2 3/4"

**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.



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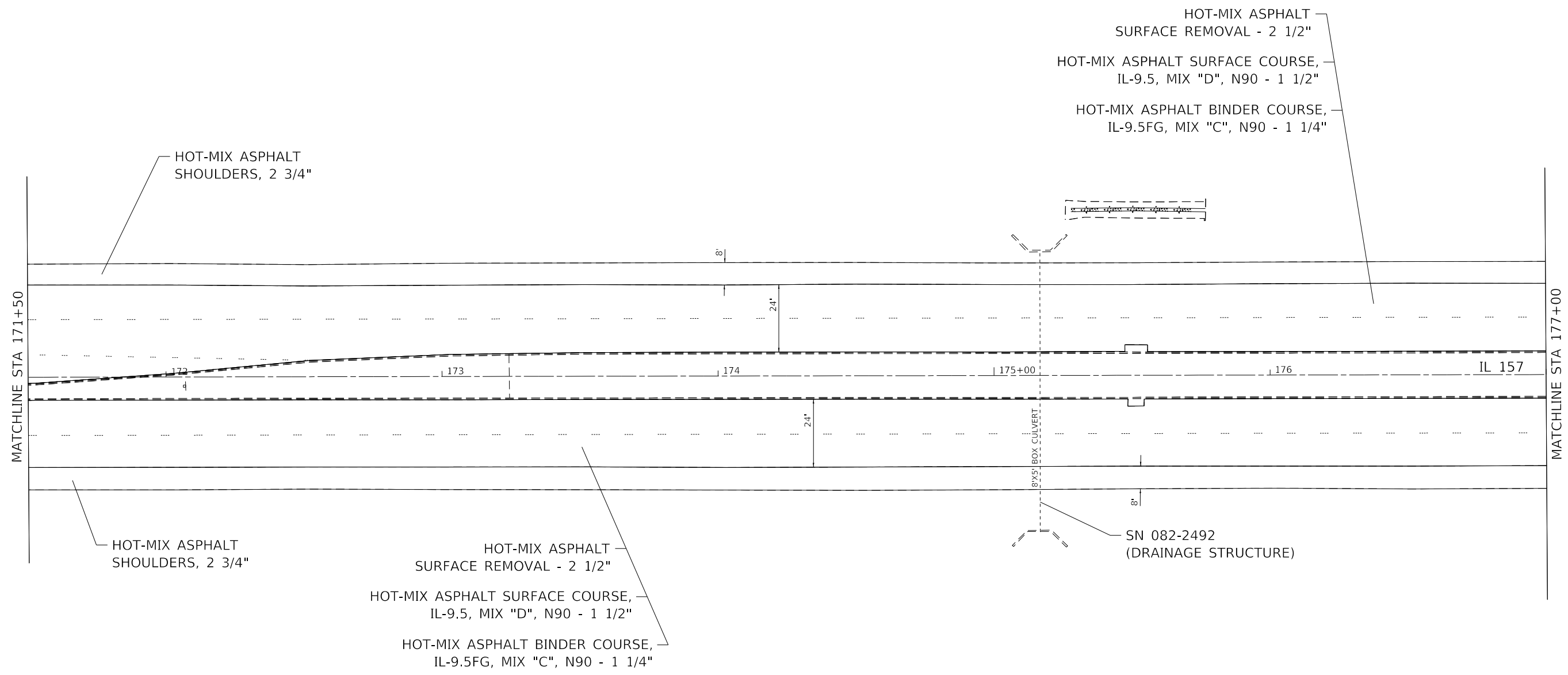
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 7    OF 24    SHEETS    STA. 167+00    TO STA. 171+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	42
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



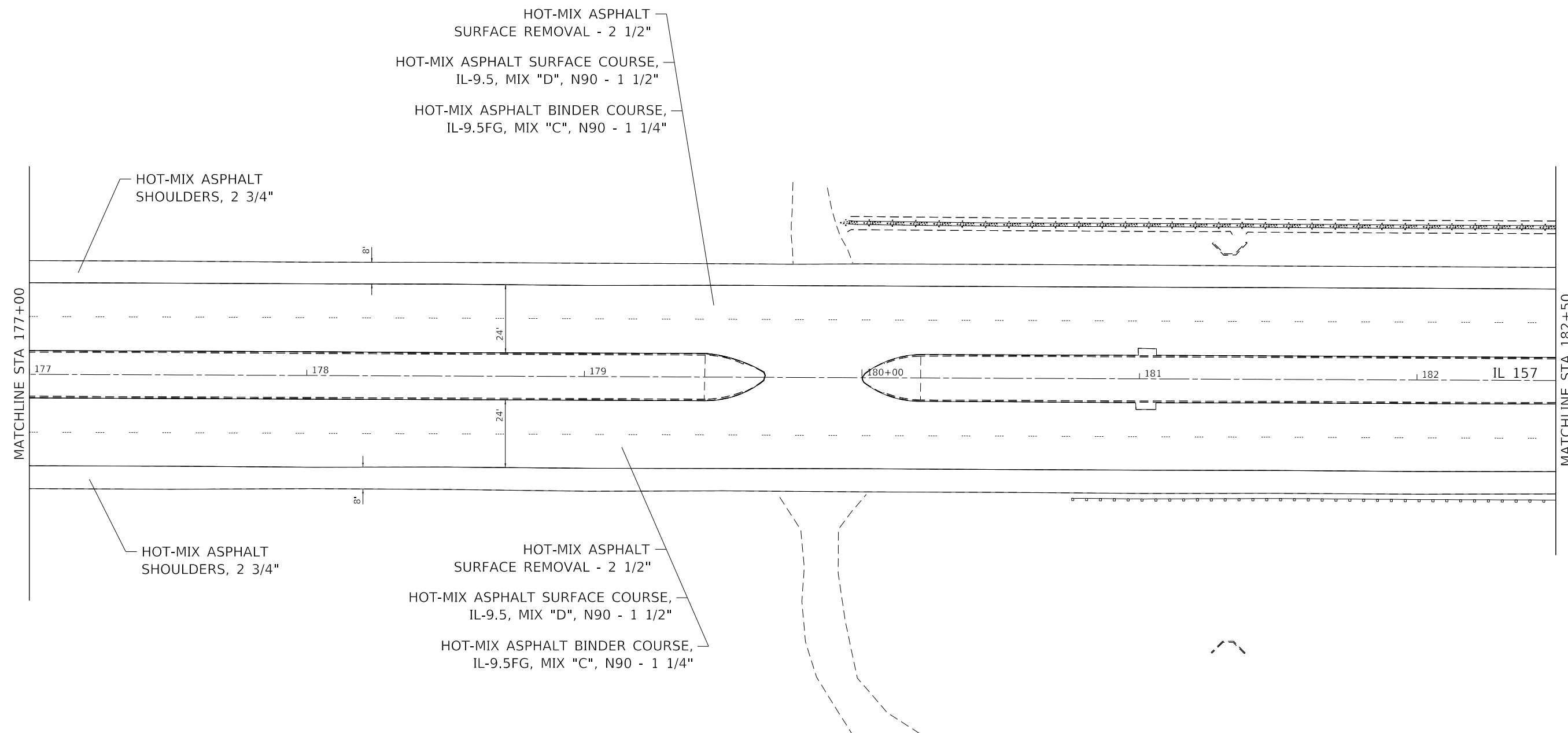
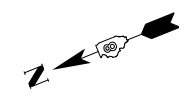
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PLANS SHEET</b>			
SCALE: 1"=20'	SHEET 8	OF 24 SHEETS	STA. 171+50 TO STA. 177+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	43
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



**NOTES**  
 - CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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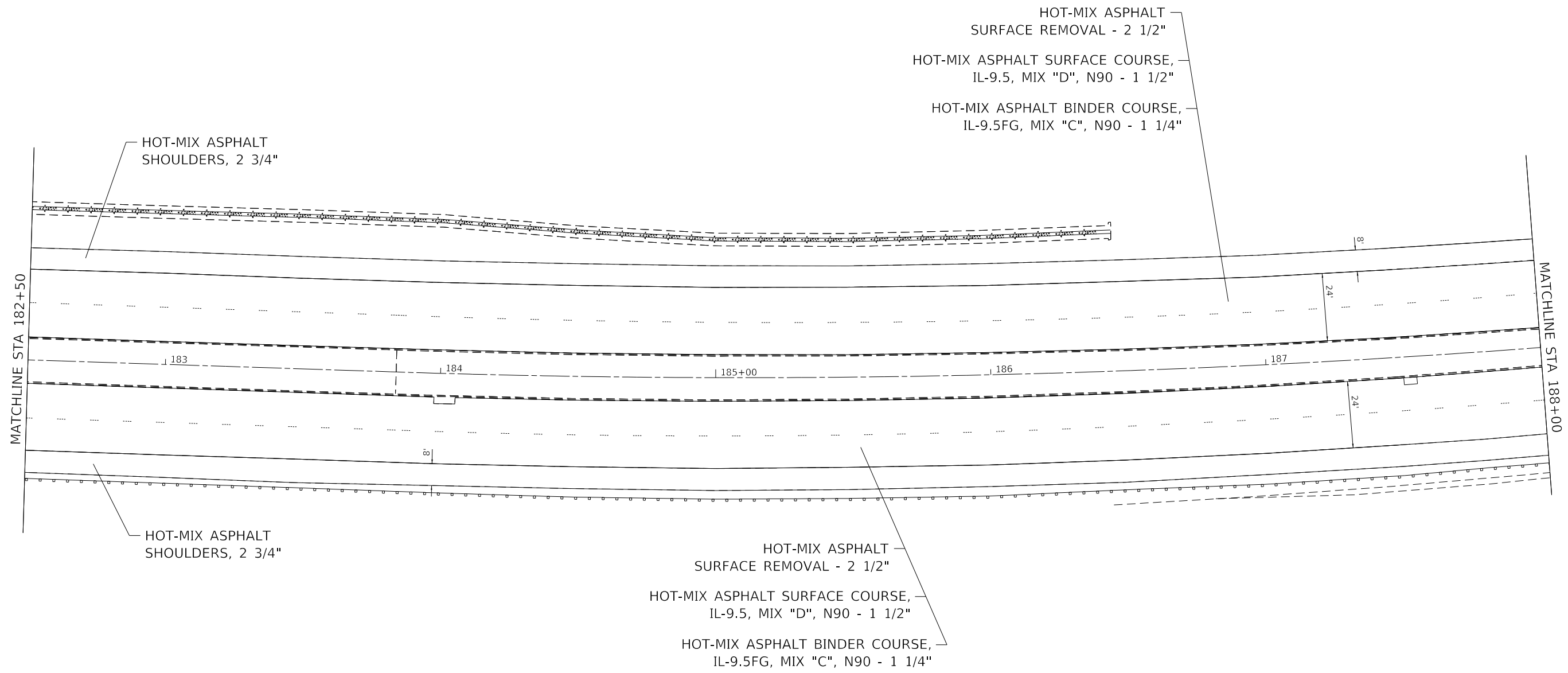
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLANS SHEET</b>			
SCALE: 1"=20'	SHEET 9	OF 24 SHEETS	STA. 177+00 TO STA. 182+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	44
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	





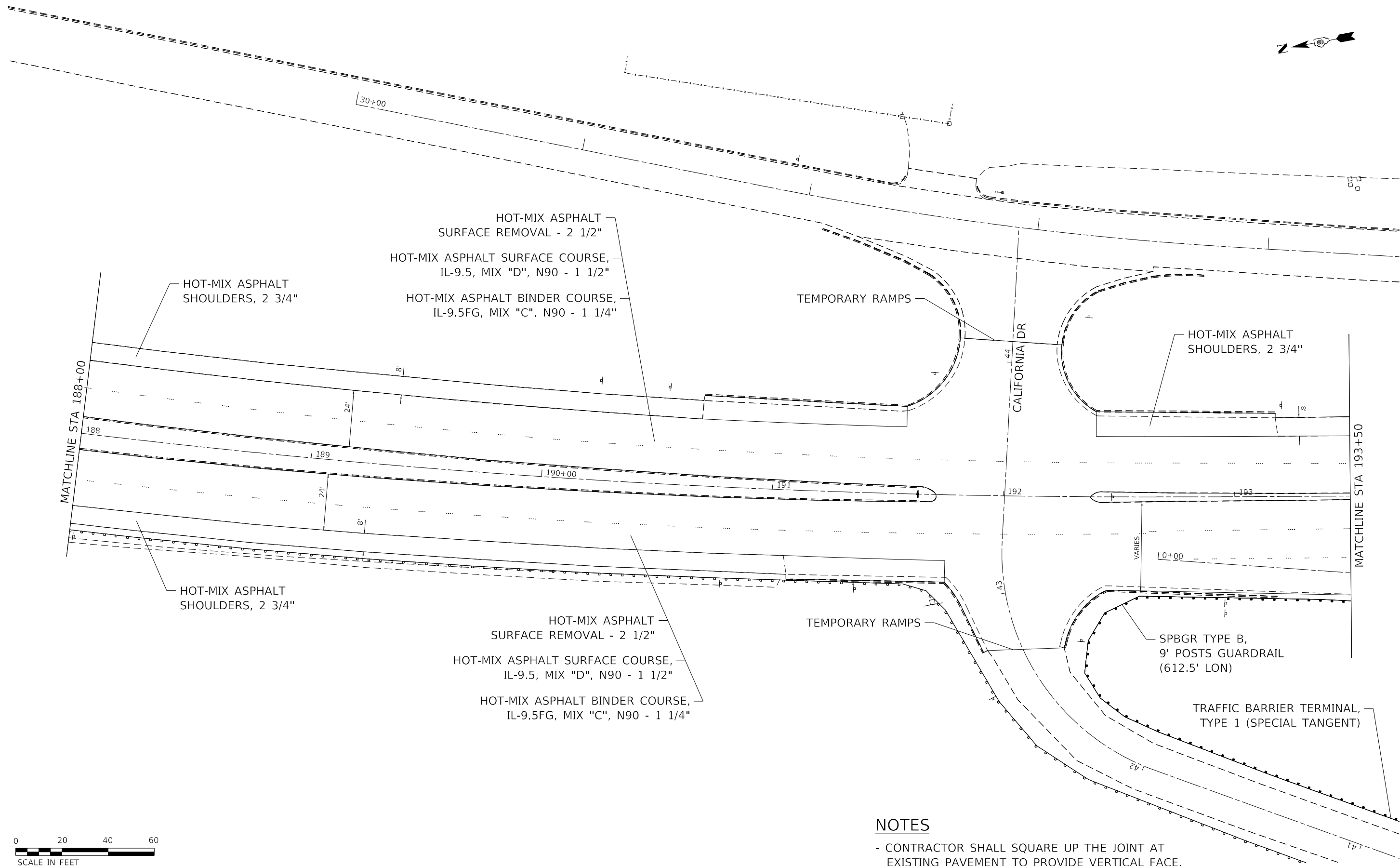
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	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**  
 SCALE: 1"=20'    SHEET 10    OF 24    SHEETS    STA. 182+50    TO STA. 188+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	45
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



MATCHLINE STA 188+00

MATCHLINE STA 193+50

CALIFORNIA DR

VARIES



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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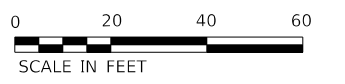
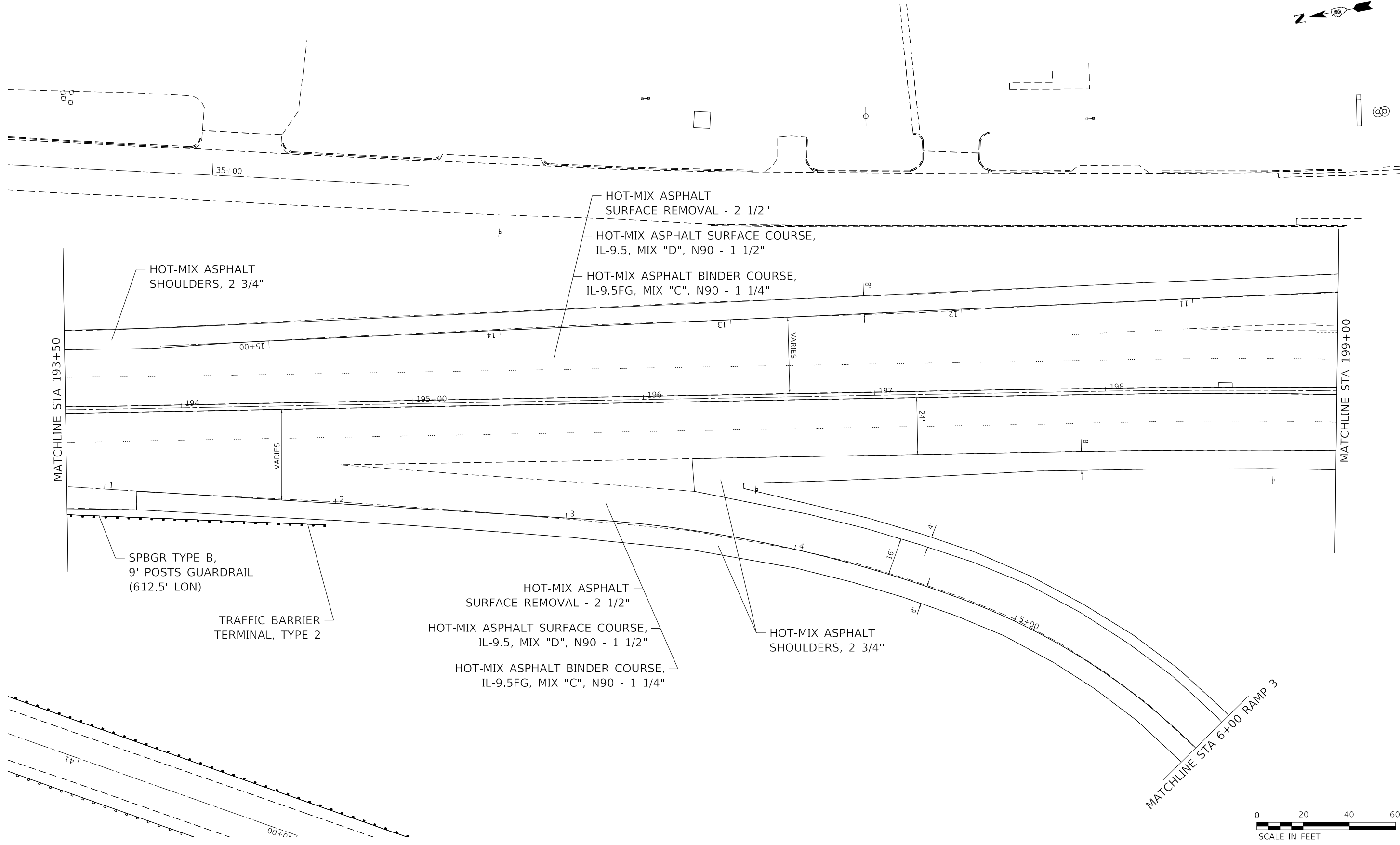
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 11 OF 24 SHEETS    STA. 188+00 TO STA. 193+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	46
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



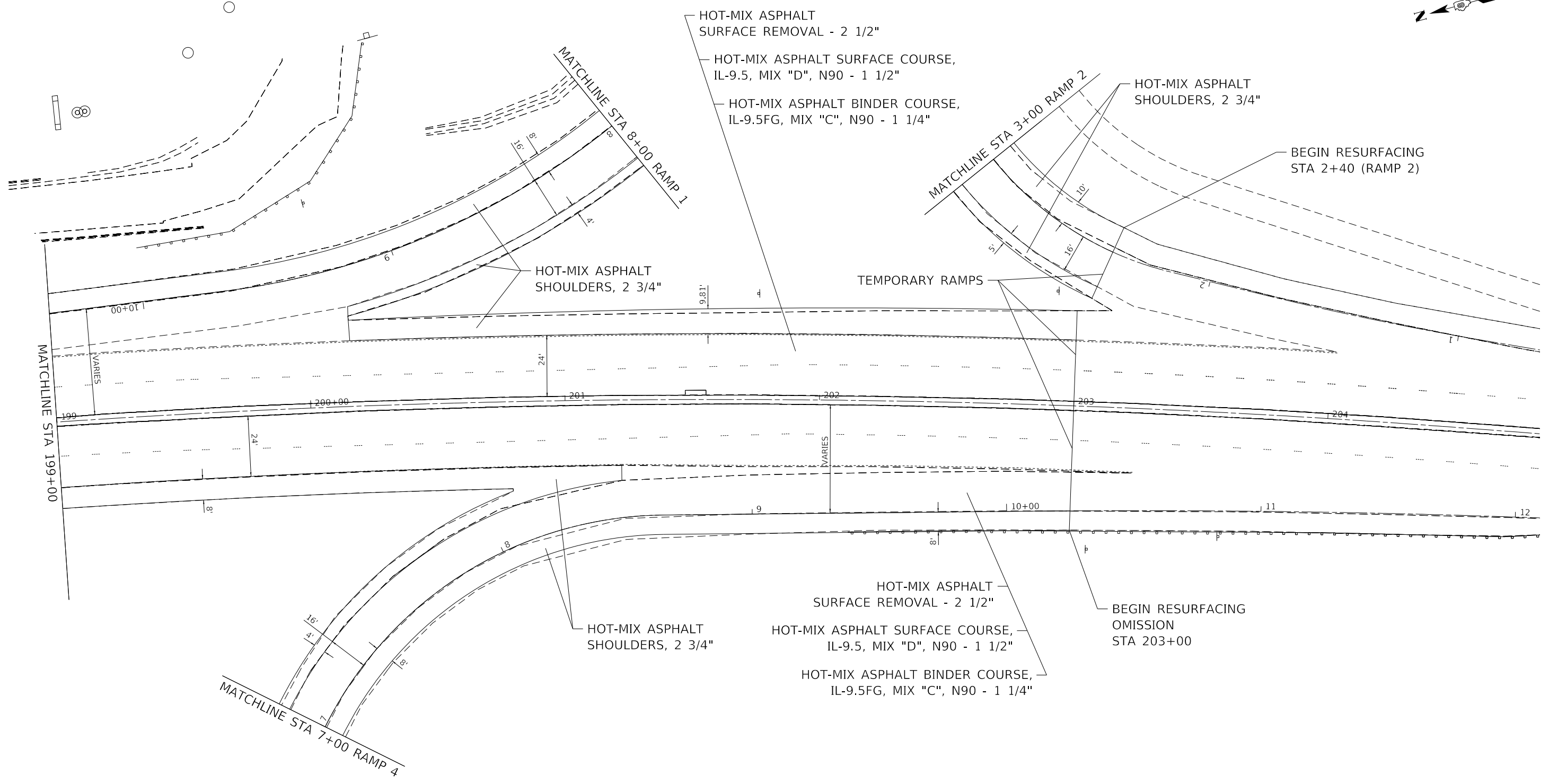
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PLOT DATE = 12/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLANS SHEET</b>			
SCALE: 1"=20'	SHEET 12	OF 24 SHEETS	STA. 193+50 TO STA. 199+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	47
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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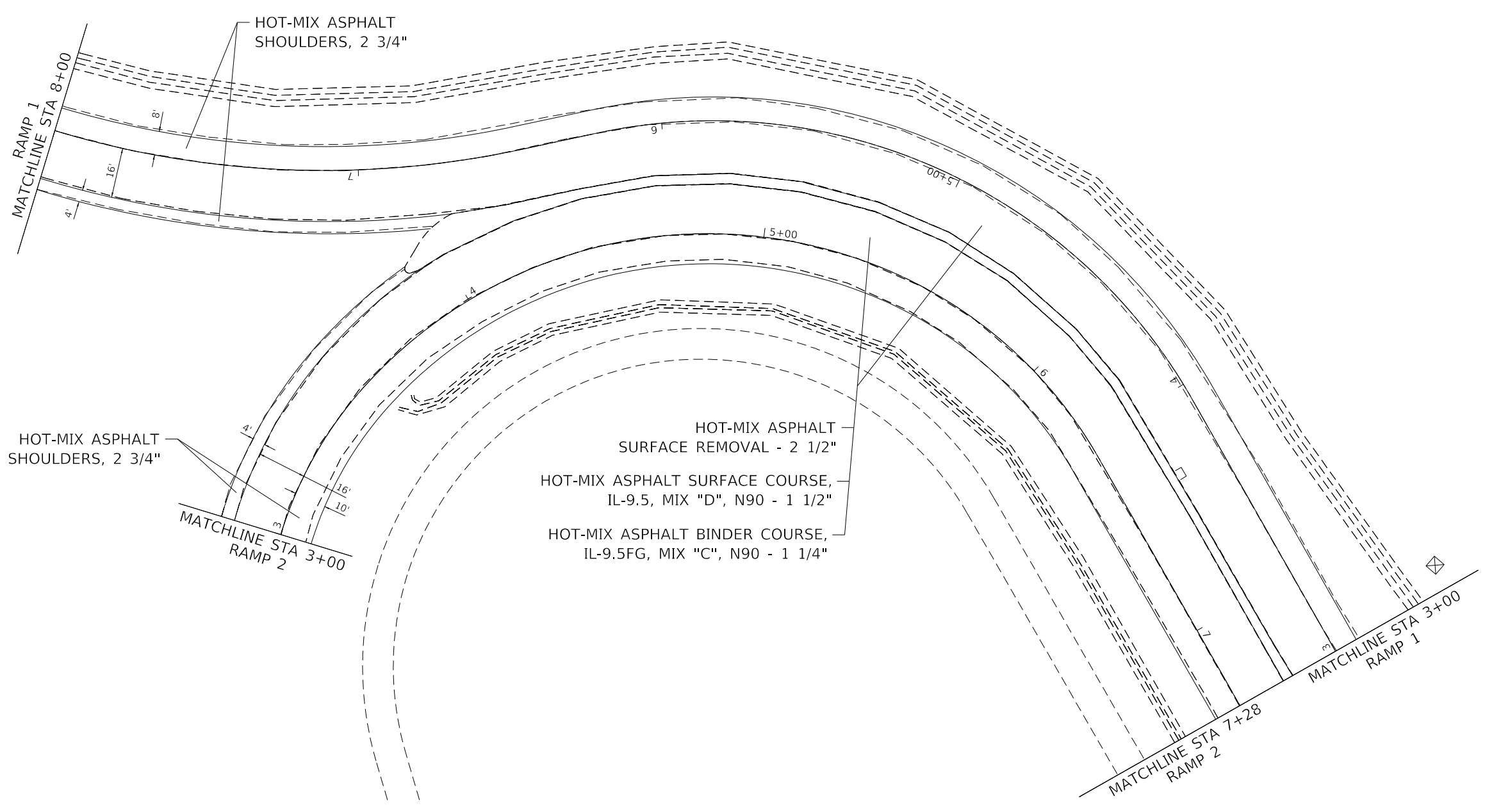
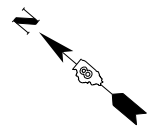
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 13 OF 24 SHEETS    STA. 199+00 TO STA.

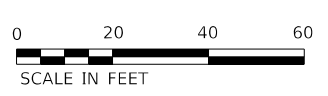
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592	(32-1,119-1)RS-3	ST. CLAIR	92	48
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



HOT-MIX ASPHALT SHOULDERS, 2 3/4"

HOT-MIX ASPHALT SHOULDERS, 2 3/4"

HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"  
 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90 - 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N90 - 1 1/4"



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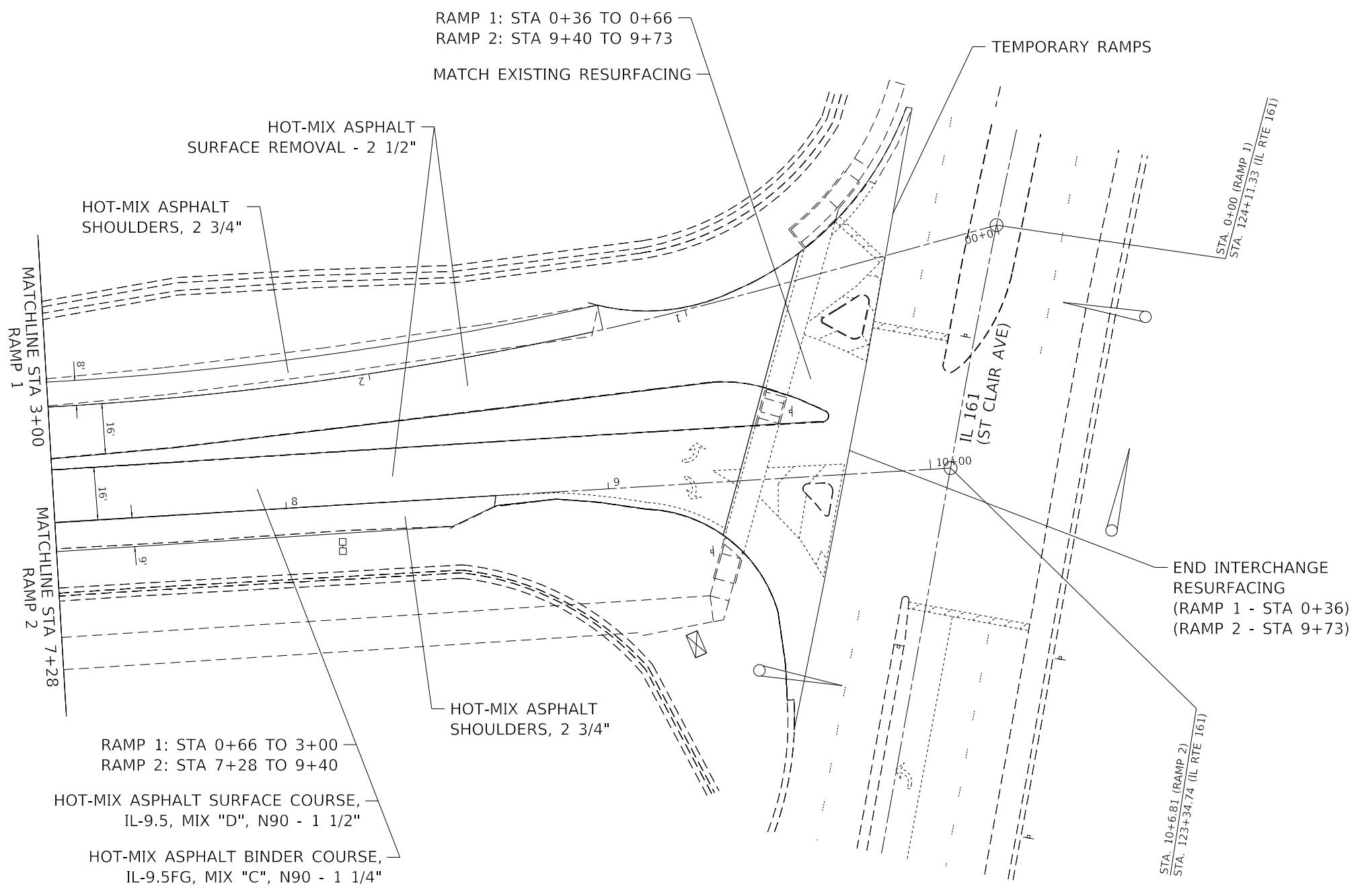
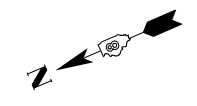
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 14 OF 24 SHEETS    STA. 3+00 TO STA. 7+28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	49
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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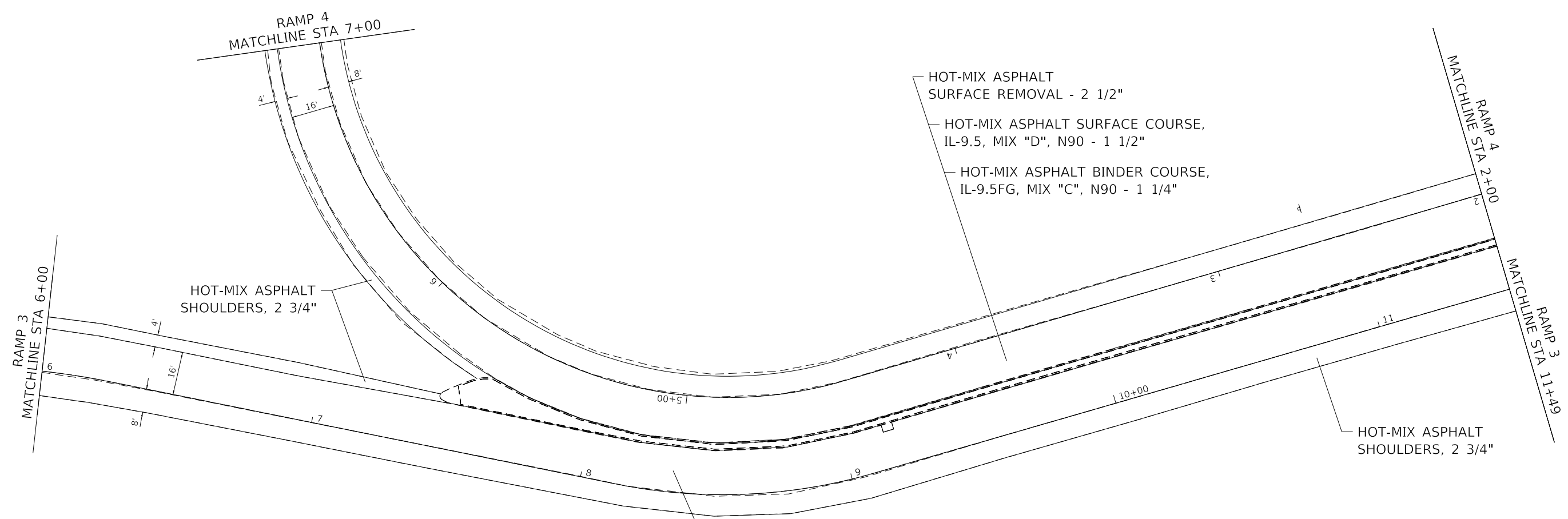
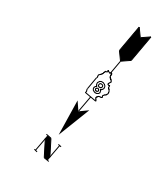
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 15 OF 24 SHEETS    STA. 7+28 TO STA. 10+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	50
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



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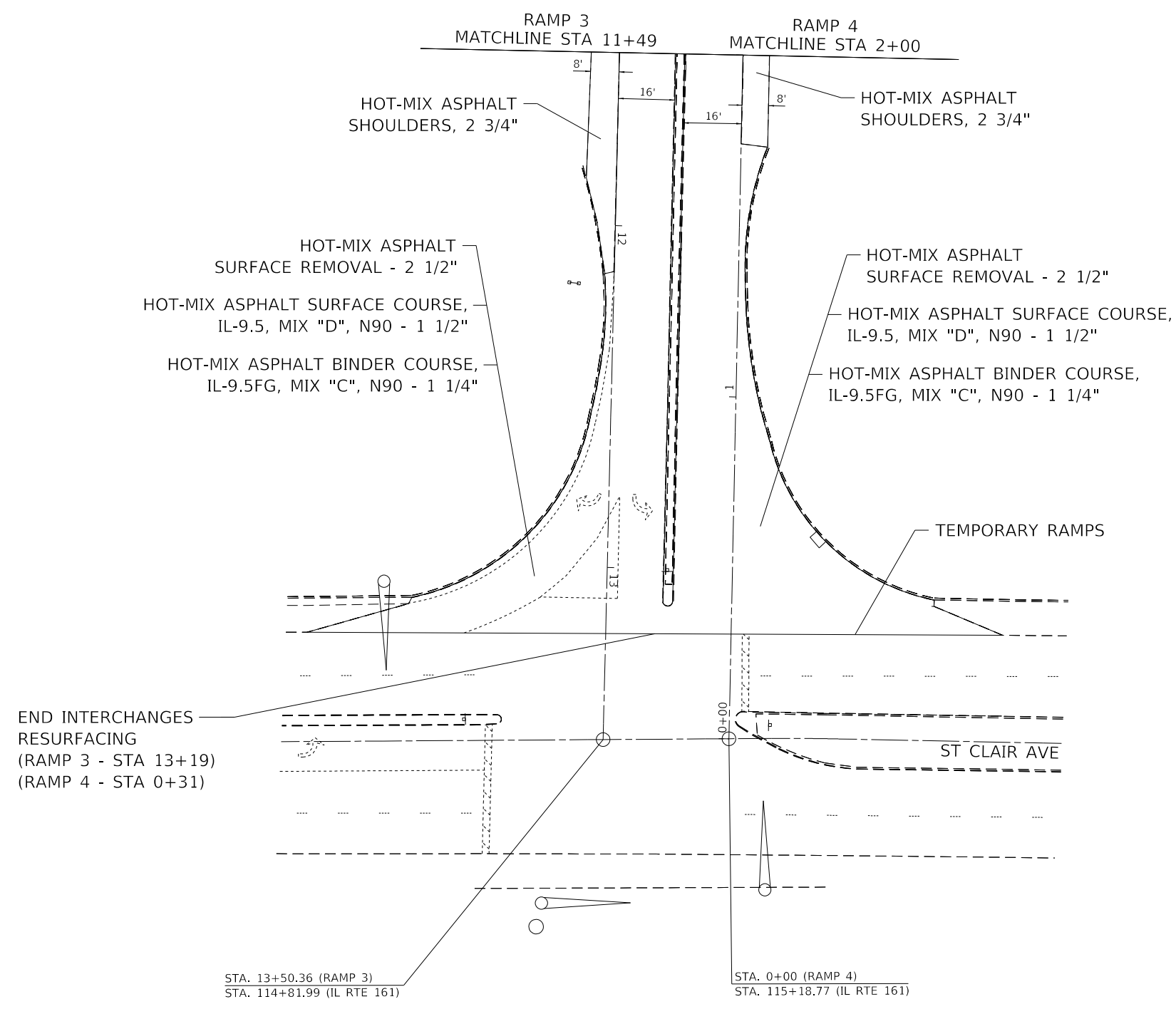
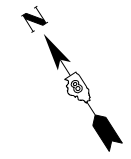
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	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 16 OF 24 SHEETS    STA. 6+00 TO STA. 11+49

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	51
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20' SHEET 17 OF 24 SHEETS STA. 11+49 TO STA. 13+50.36

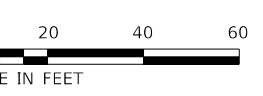
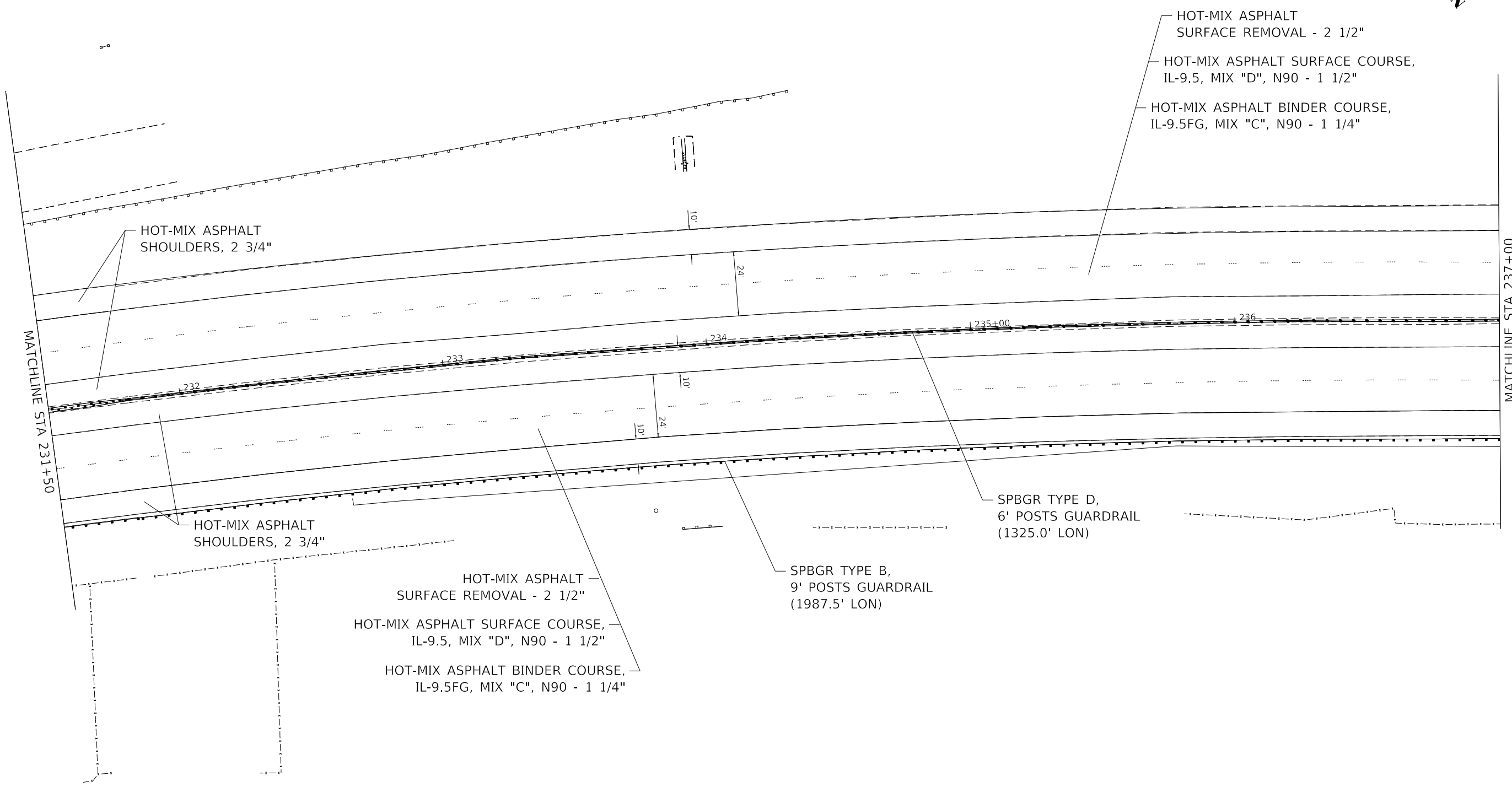
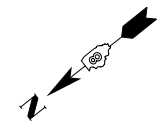
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	52
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				











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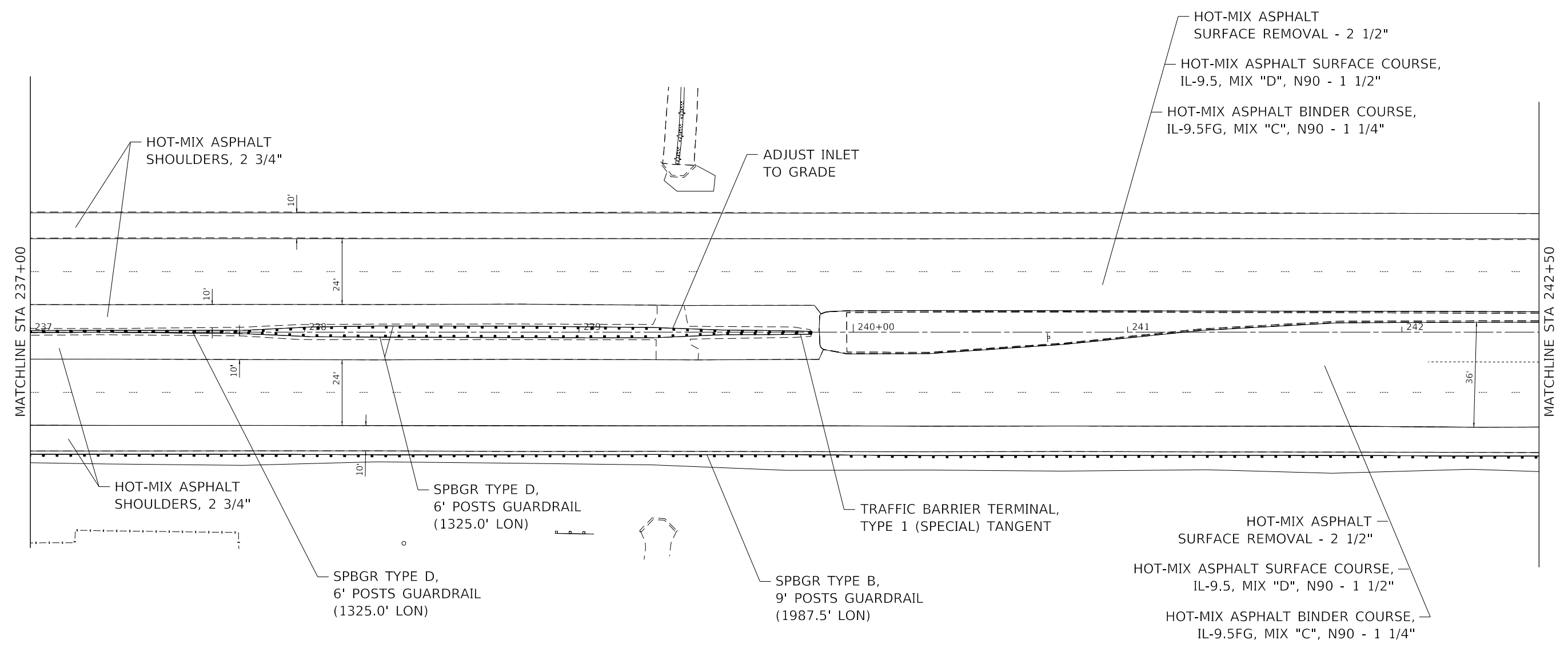
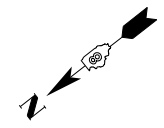
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 21 OF 24 SHEETS    STA. 231+50 TO STA. 237+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	56
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		



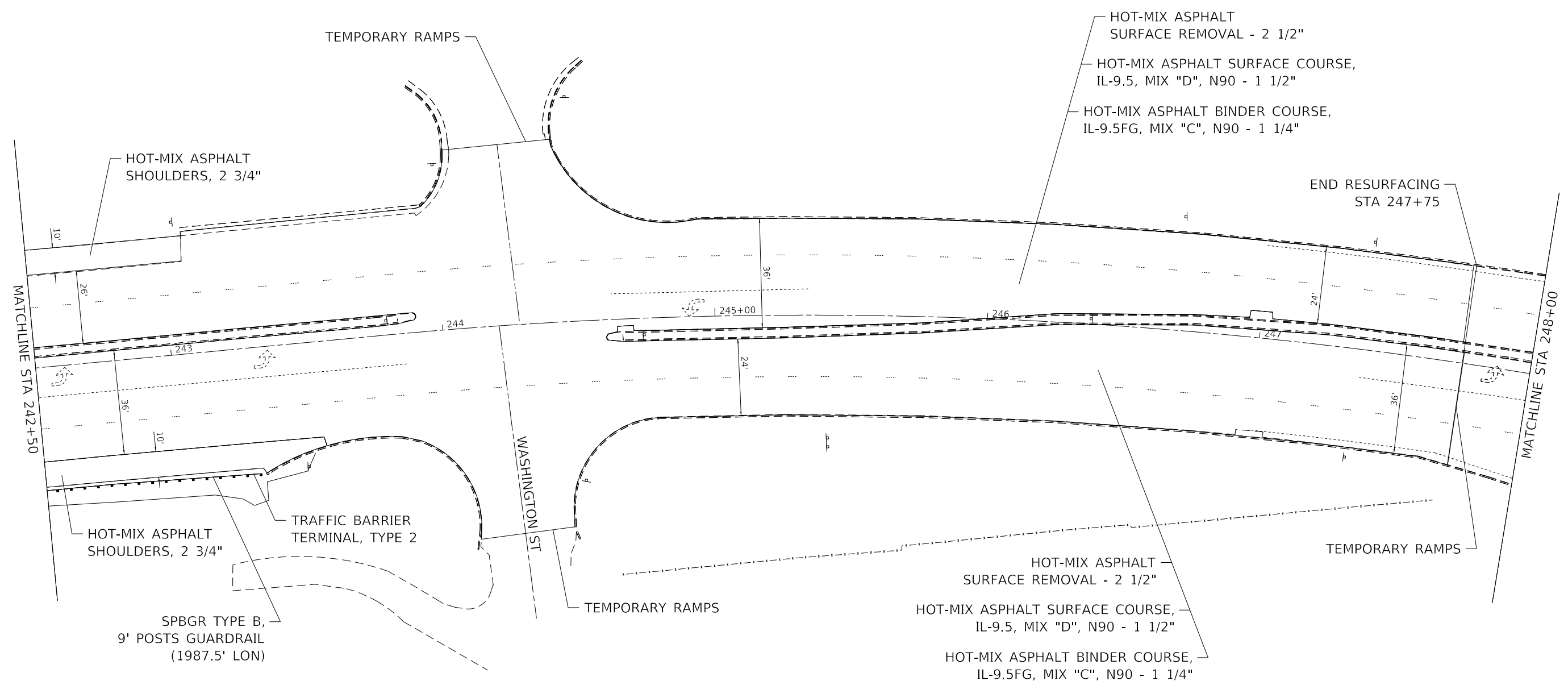
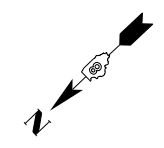
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PLANS SHEET</b>			
SCALE: 1"=20'	SHEET 22	OF 24 SHEETS	STA. 237+00 TO STA. 242+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	57
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



**NOTES**

- CONTRACTOR SHALL SQUARE UP THE JOINT AT EXISTING PAVEMENT TO PROVIDE VERTICAL FACE.

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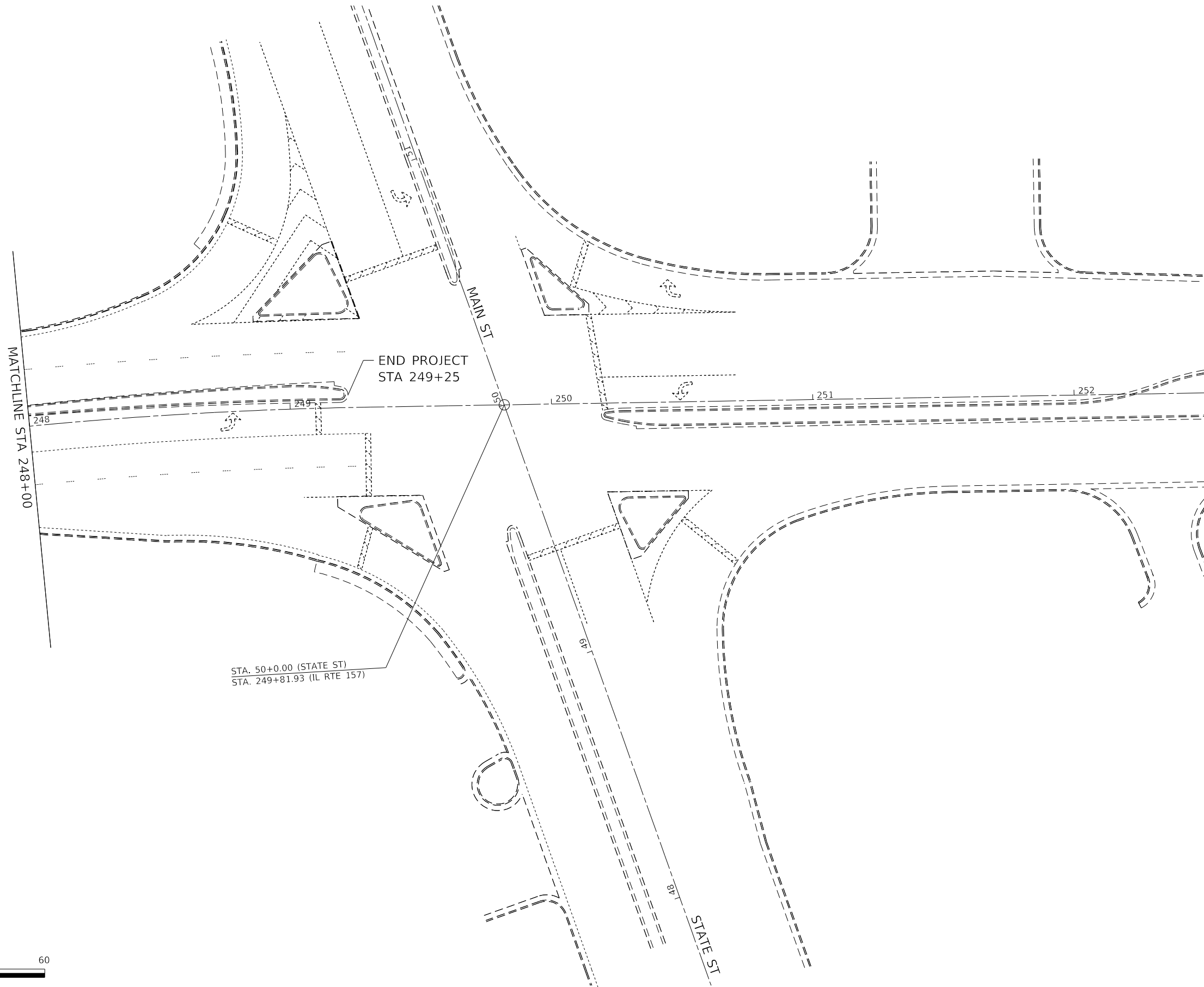
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 23    OF 24    SHEETS    STA. 242+50    TO STA. 248+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	58
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



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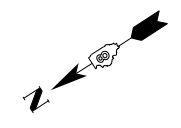
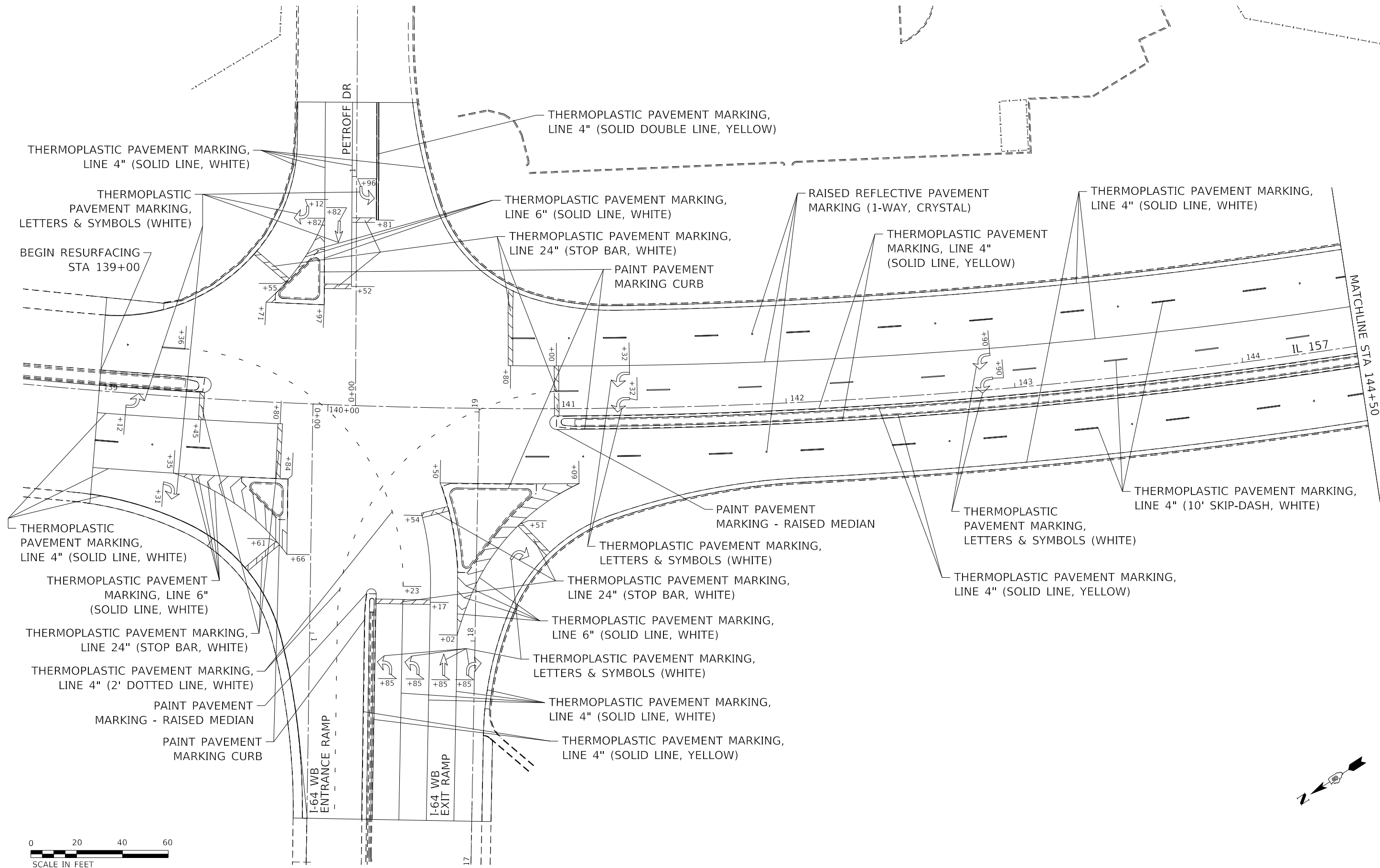
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANS SHEET**

SCALE: 1"=20'    SHEET 24    OF 24    SHEETS    STA. 248+00    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	59
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		

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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

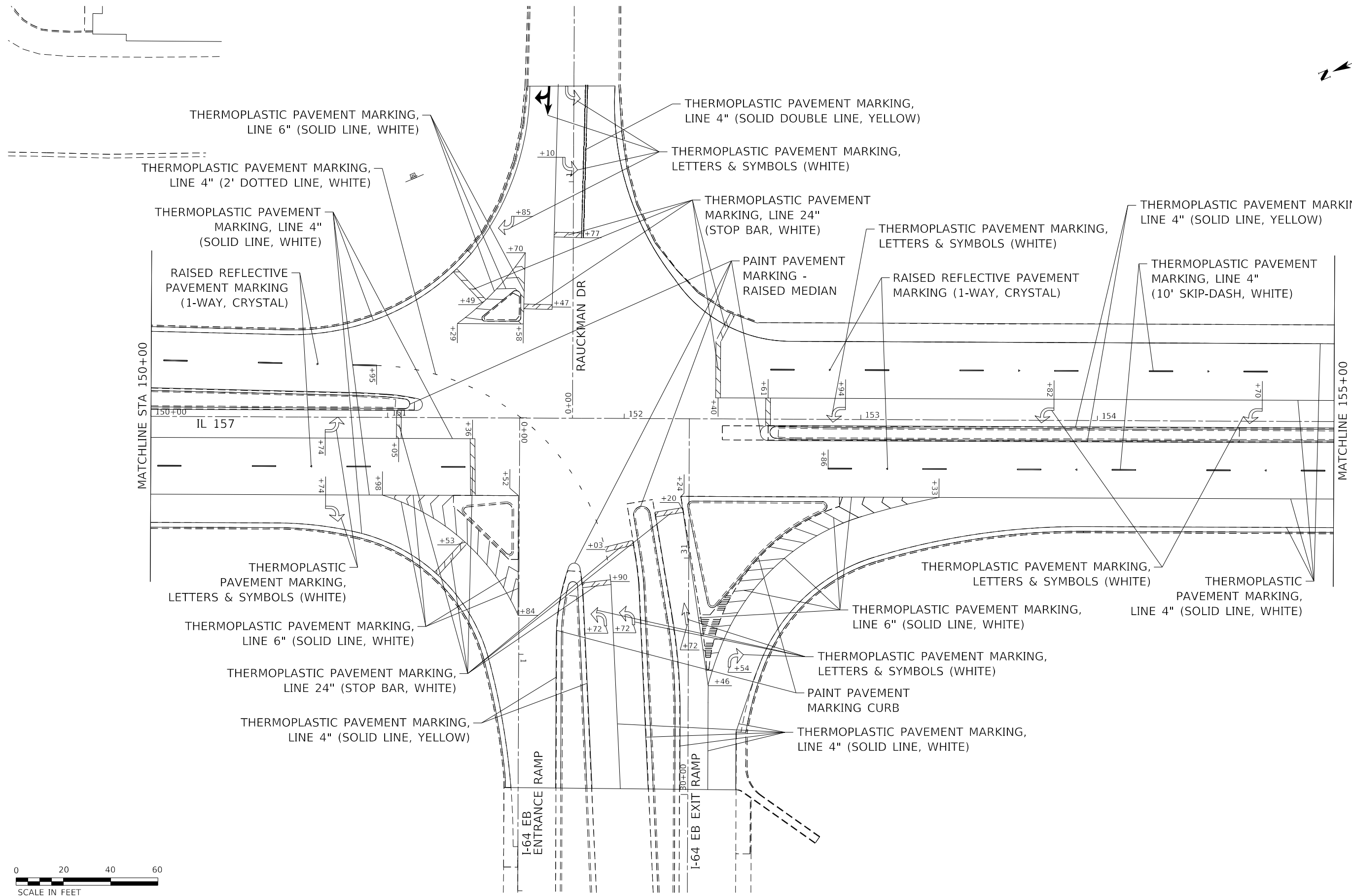
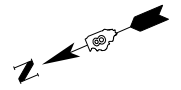
**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 1 OF 24 SHEETS    STA.    TO STA. 144+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	60
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				







THERMOPLASTIC PAVEMENT MARKING,  
LINE 6" (SOLID LINE, WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (2' DOTTED LINE, WHITE)

THERMOPLASTIC PAVEMENT  
MARKING, LINE 4"  
(SOLID LINE, WHITE)

RAISED REFLECTIVE  
PAVEMENT MARKING  
(1-WAY, CRYSTAL)

MATCHLINE STA 150+00

IL 157

RAUCKMAN DR

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (SOLID DOUBLE LINE, YELLOW)

THERMOPLASTIC PAVEMENT MARKING,  
LETTERS & SYMBOLS (WHITE)

THERMOPLASTIC PAVEMENT  
MARKING, LINE 24"  
(STOP BAR, WHITE)

PAINT PAVEMENT  
MARKING -  
RAISED MEDIAN

THERMOPLASTIC PAVEMENT MARKING,  
LETTERS & SYMBOLS (WHITE)

RAISED REFLECTIVE PAVEMENT  
MARKING (1-WAY, CRYSTAL)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (SOLID LINE, YELLOW)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (10' SKIP-DASH, WHITE)

MATCHLINE 155+00

THERMOPLASTIC  
PAVEMENT MARKING,  
LETTERS & SYMBOLS (WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 6" (SOLID LINE, WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 24" (STOP BAR, WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (SOLID LINE, YELLOW)

I-64 EB  
ENTRANCE RAMP

I-64 EB  
EXIT RAMP

THERMOPLASTIC PAVEMENT MARKING,  
LETTERS & SYMBOLS (WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 6" (SOLID LINE, WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LETTERS & SYMBOLS (WHITE)

PAINT PAVEMENT  
MARKING CURB

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (SOLID LINE, WHITE)

THERMOPLASTIC PAVEMENT MARKING,  
LINE 4" (SOLID LINE, WHITE)



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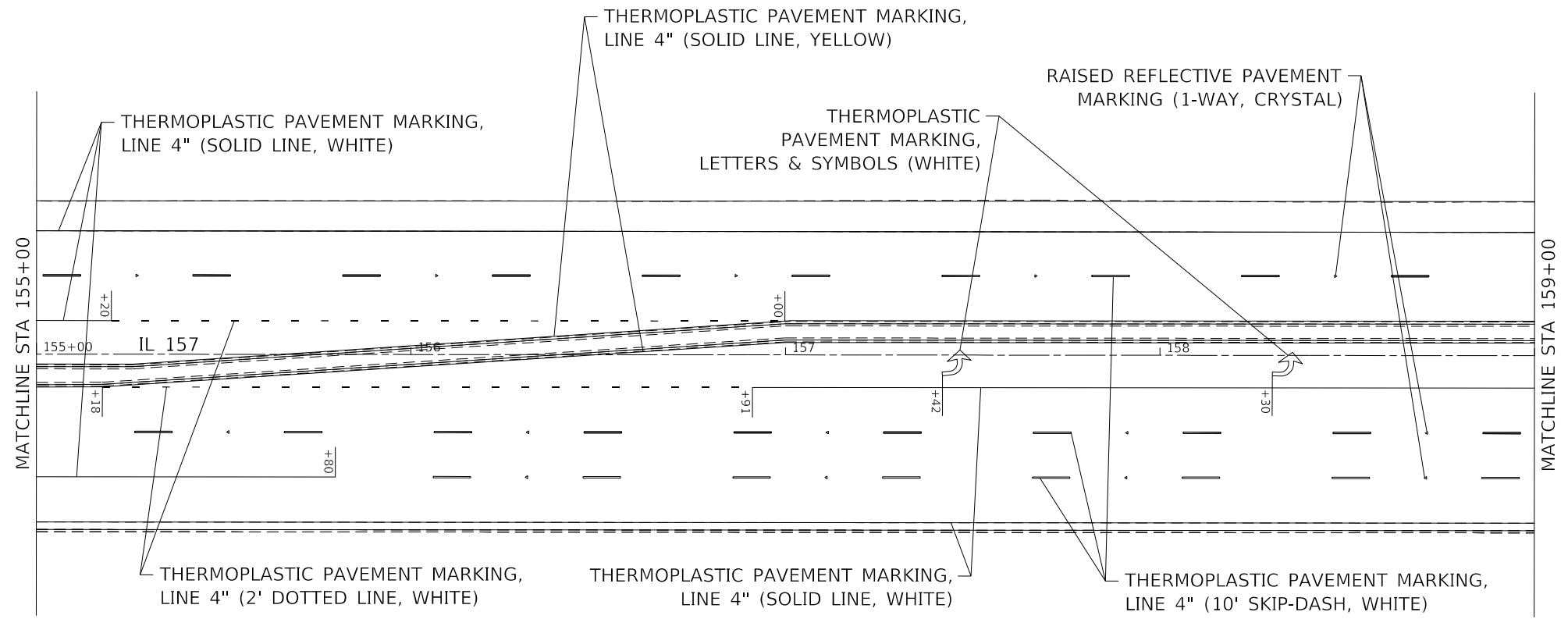
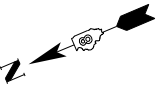
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20' SHEET 3 OF 24 SHEETS STA. 150+00 TO STA. 155+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	62
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



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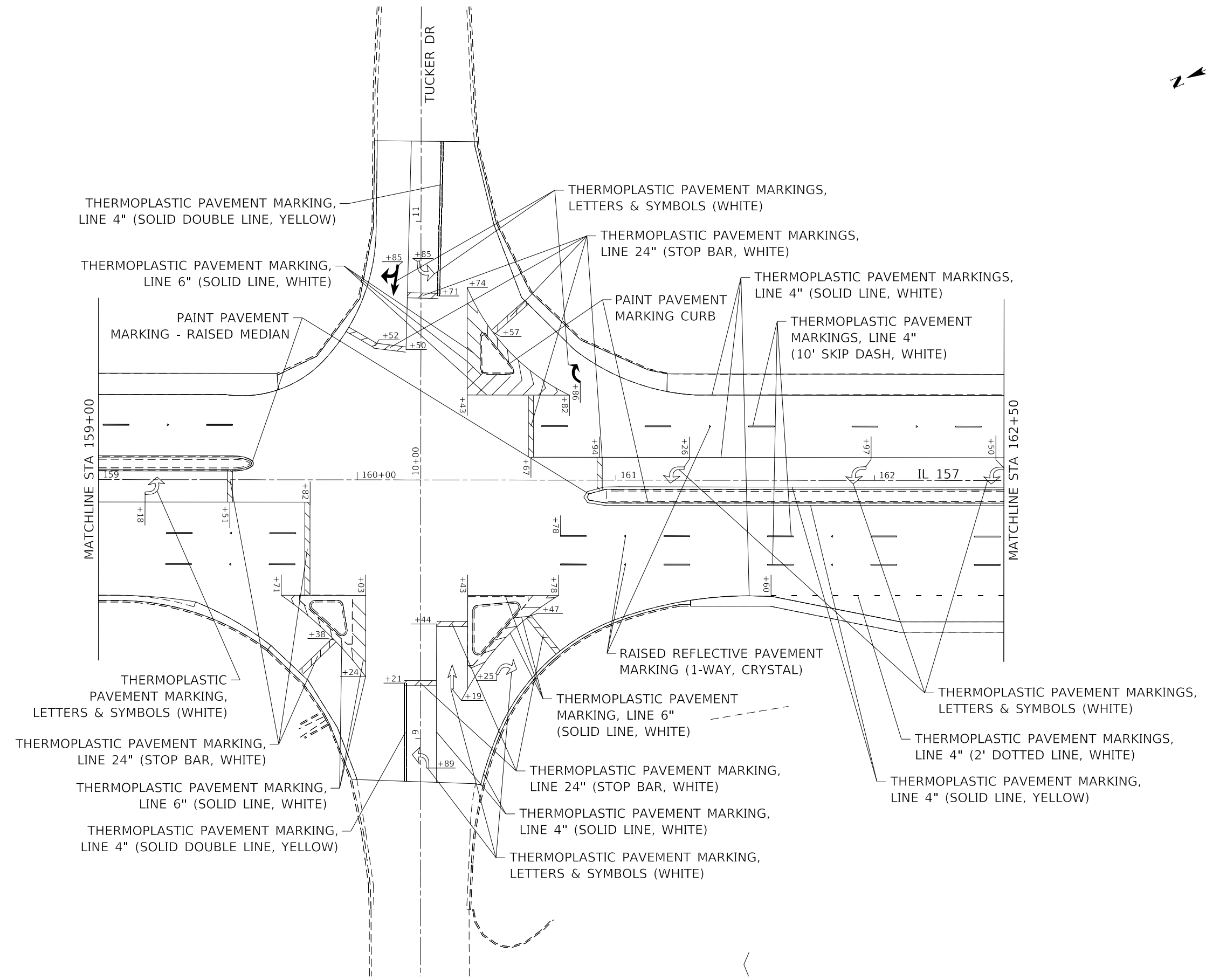
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 4 OF 24 SHEETS    STA. 155+00 TO STA. 159+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	63
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



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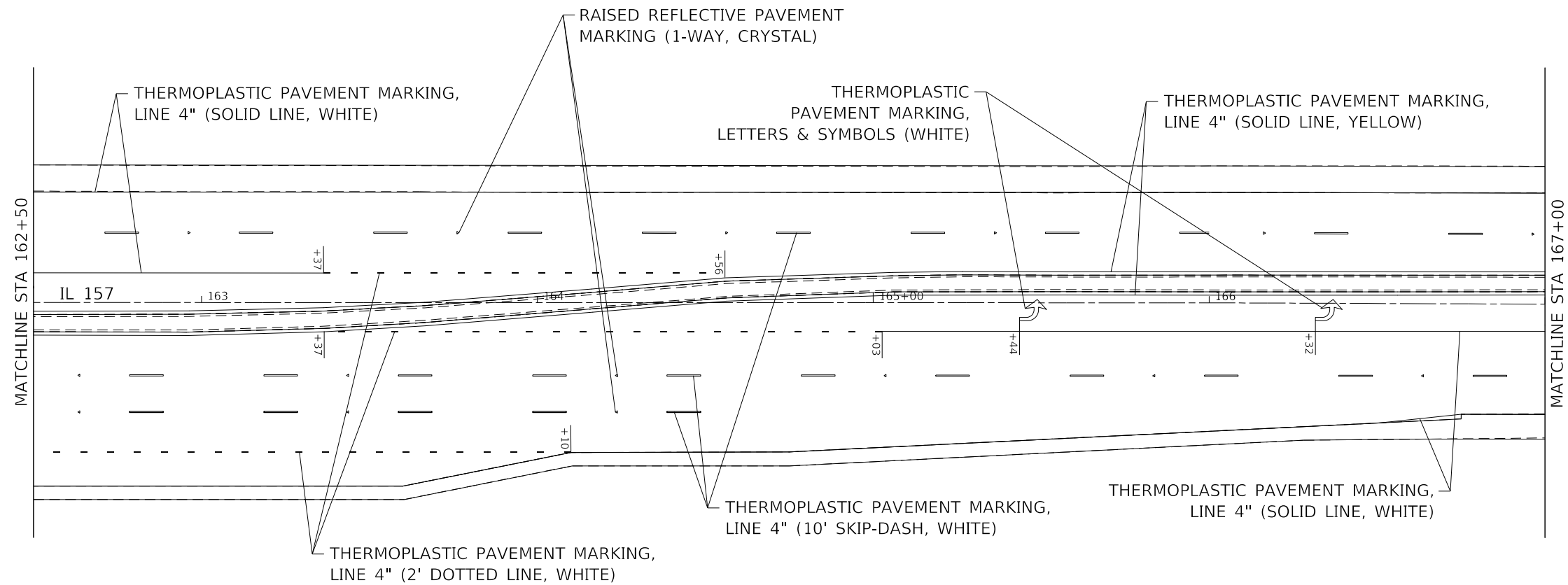
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 5 OF 24 SHEETS    STA. 159+00 TO STA. 162+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	64
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		



MODEL: Default  
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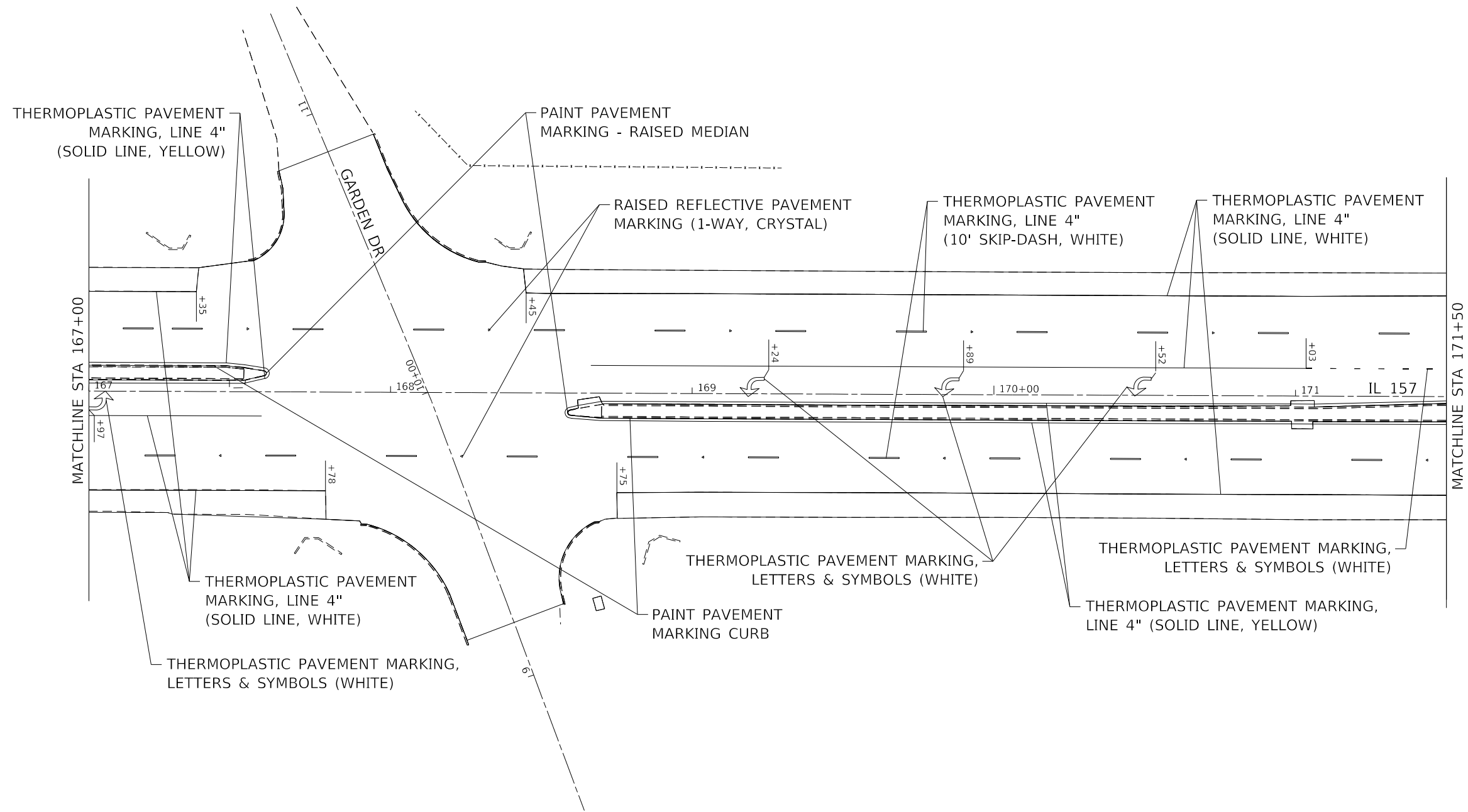
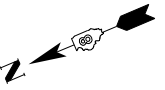
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 6 OF 24 SHEETS    STA. 162+50 TO STA. 167+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	65
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



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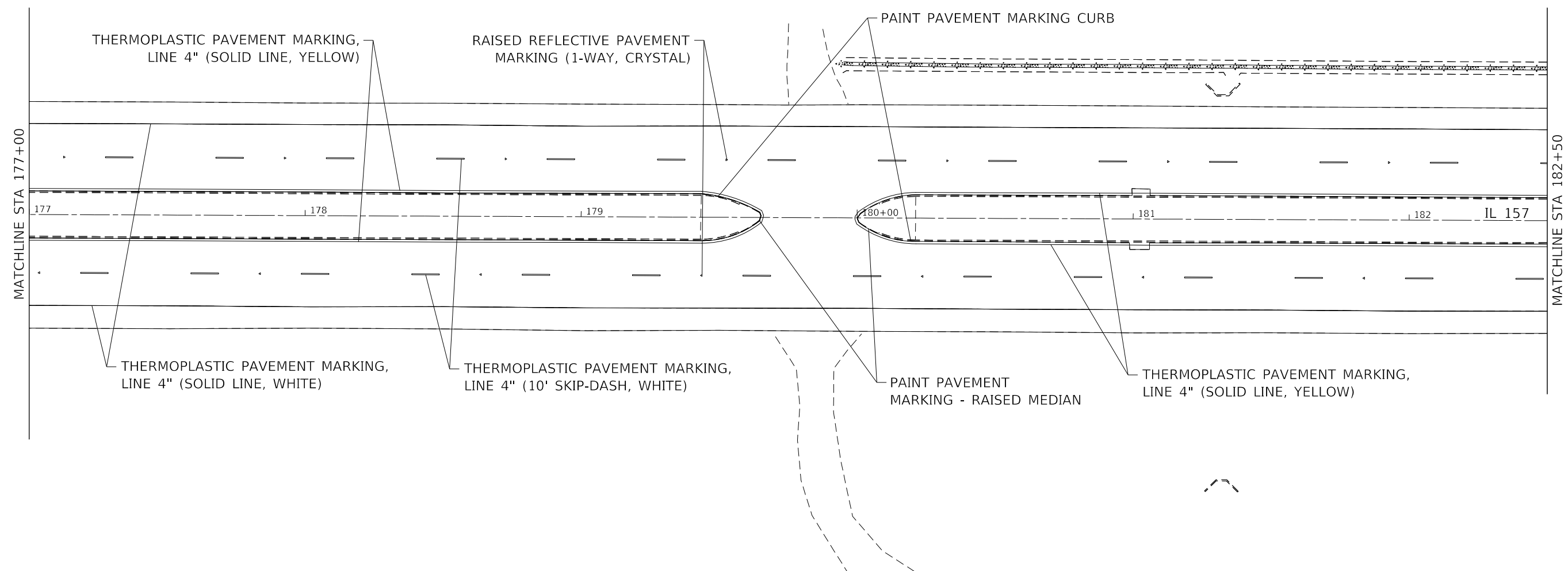
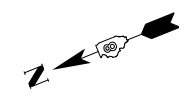
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 7 OF 24 SHEETS    STA. 167+00 TO STA. 171+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	66
CONTRACT NO. 76K45				
		ILLINOIS	FED. AID PROJECT	





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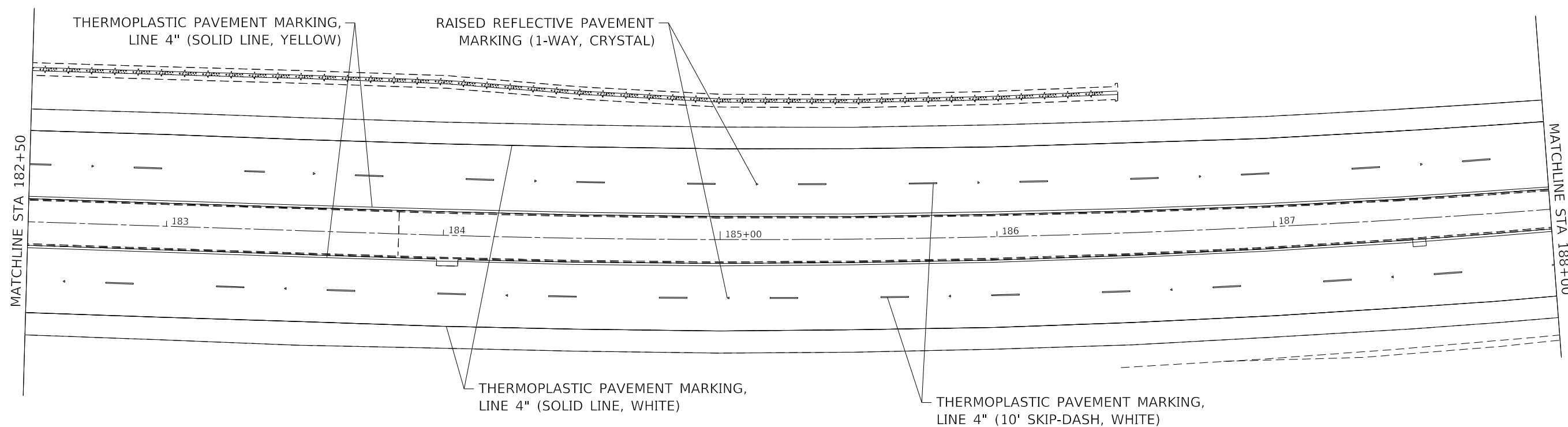
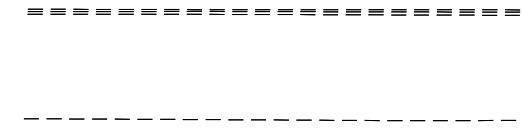
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 9 OF 24 SHEETS    STA. 177+00 TO STA. 182+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	68
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		





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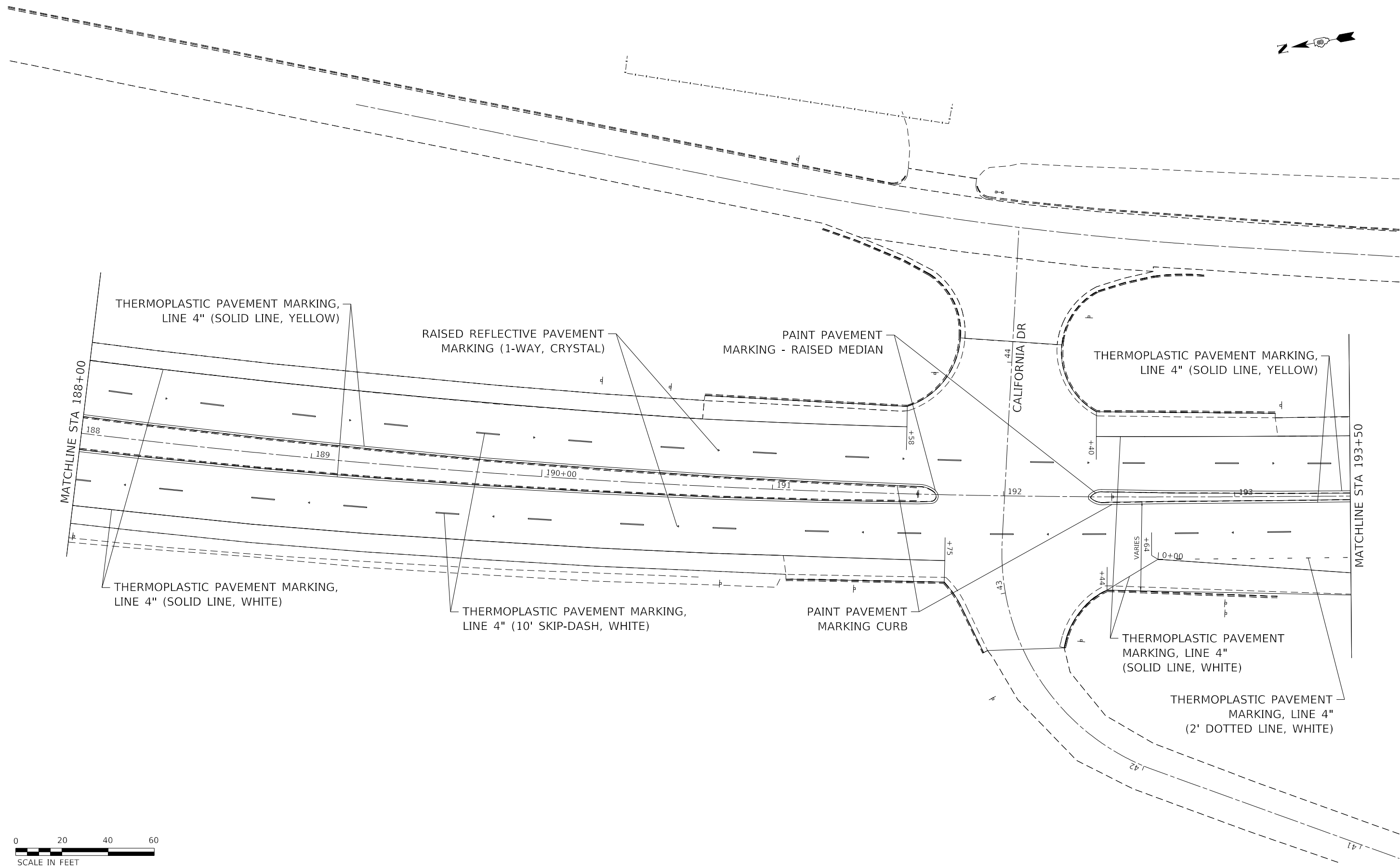
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 10 OF 24 SHEETS    STA. 182+50 TO STA. 188+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	69
CONTRACT NO. 76K45				
		ILLINOIS	FED. AID PROJECT	



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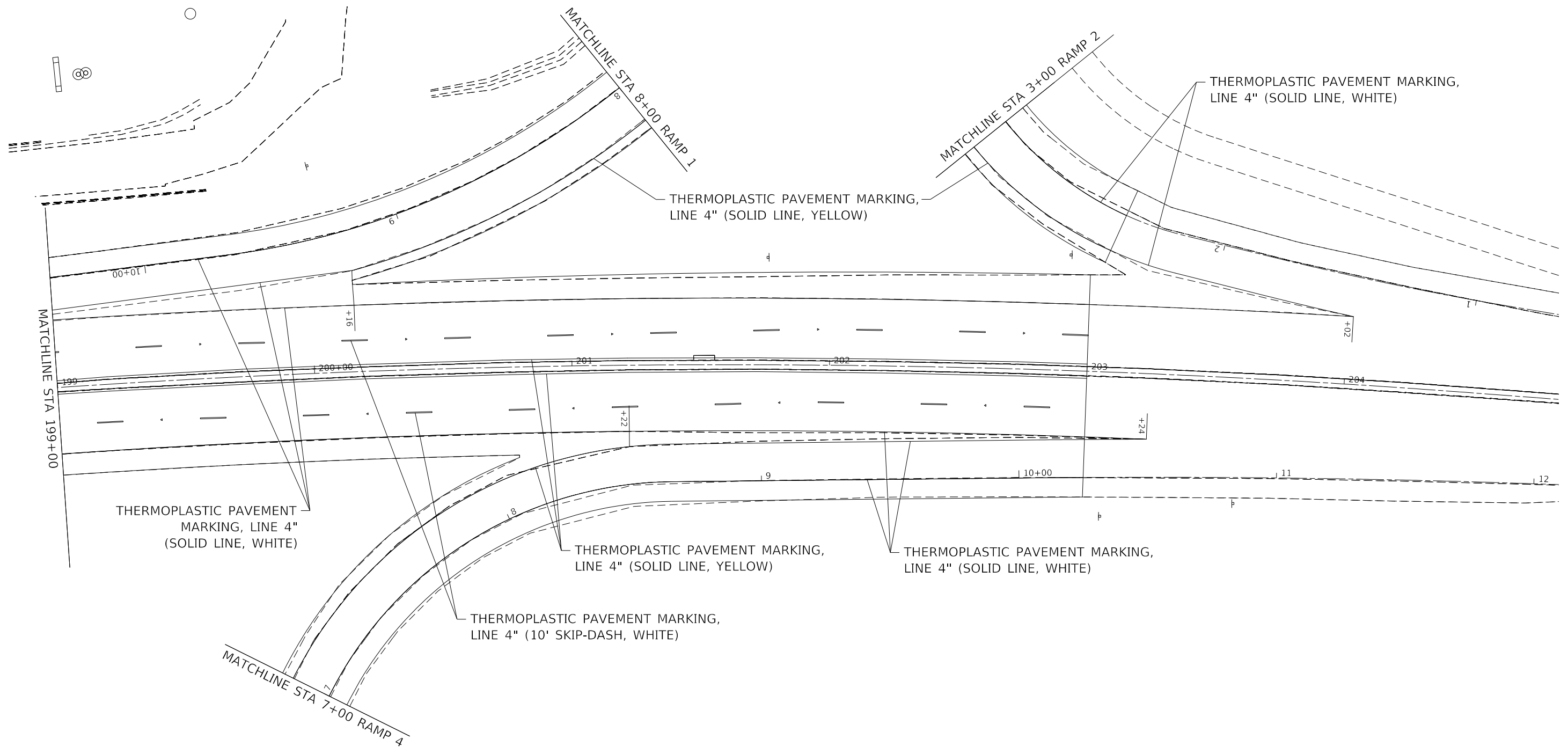
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 11 OF 24 SHEETS    STA. 188+00 TO STA. 193+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	70
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				





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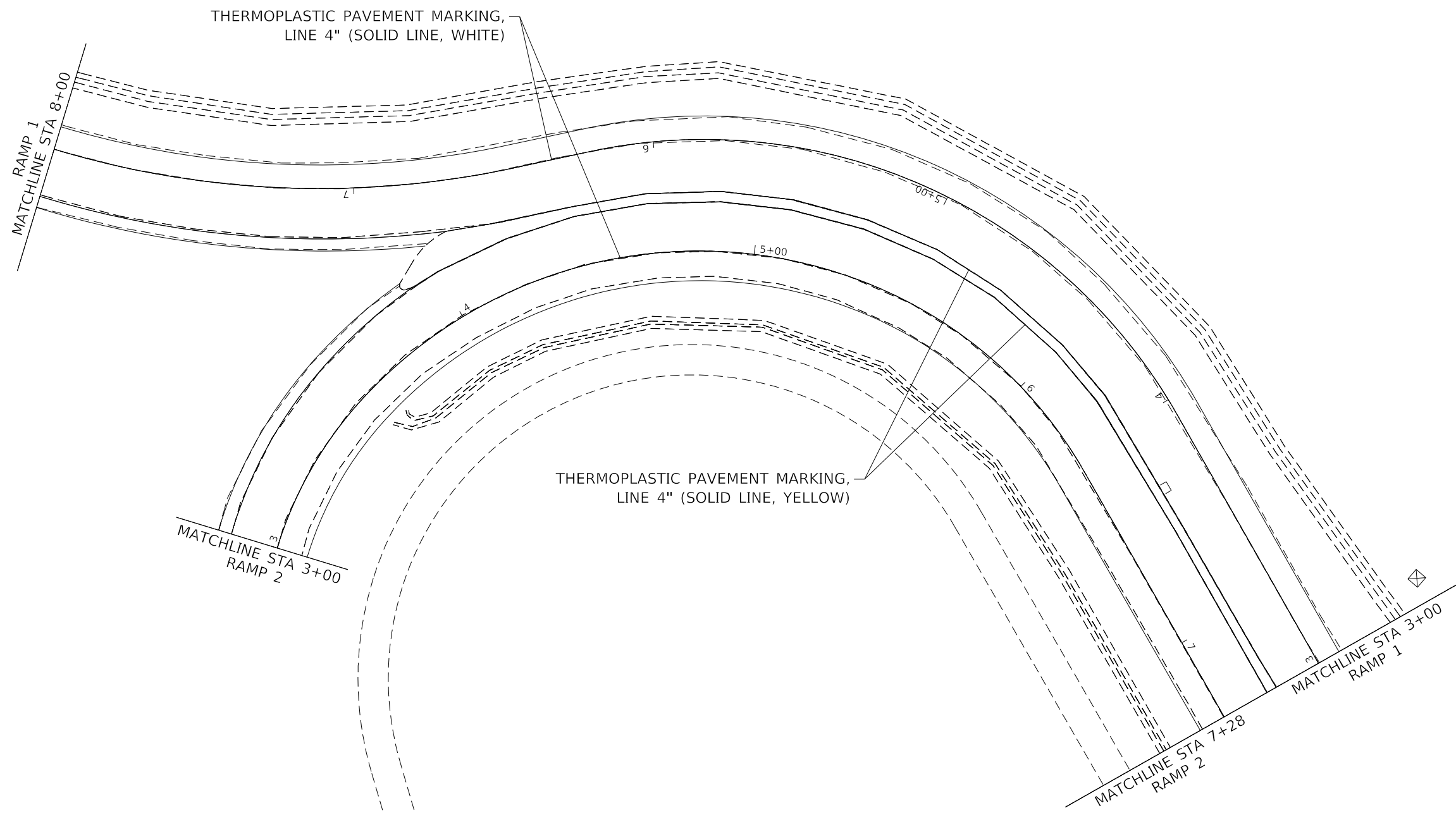
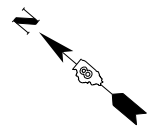
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 13 OF 24 SHEETS    STA. 199+00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	72
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		



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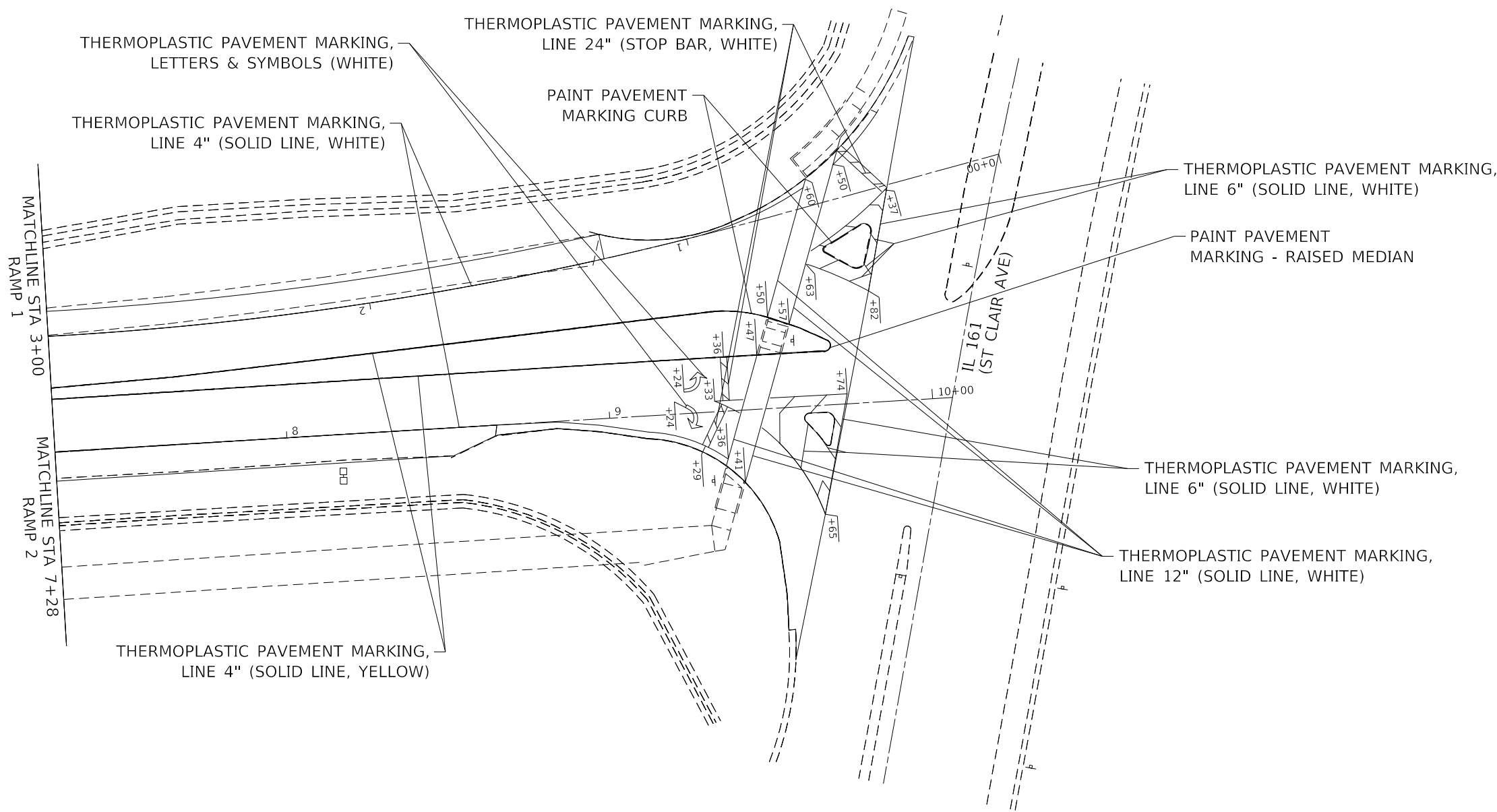
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 14 OF 24 SHEETS    STA. 3+00 TO STA. 7+28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	73
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



MODEL: Default  
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PLOT DATE = 12/10/2020	DATE -	REVISED -

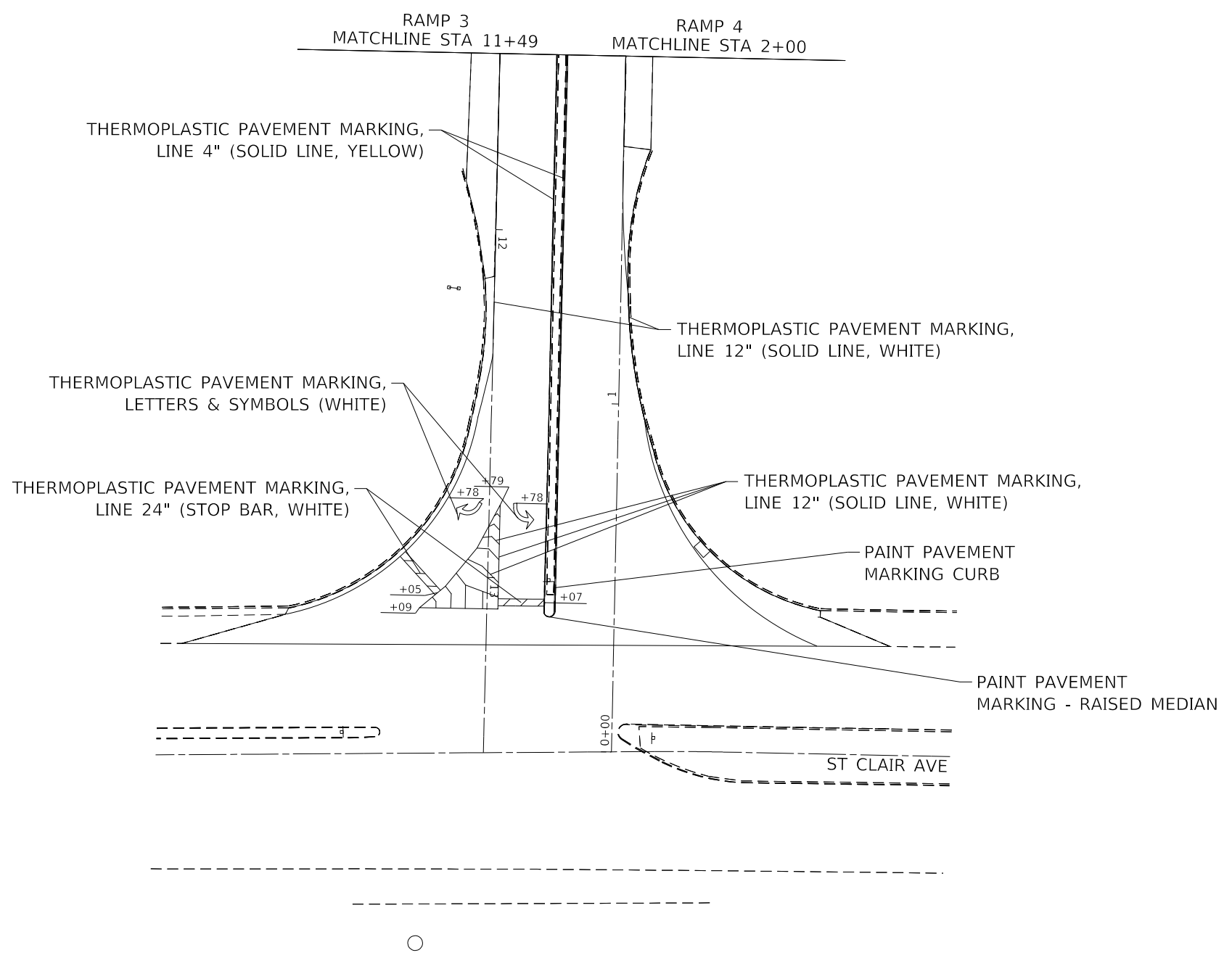
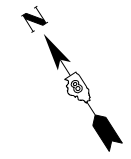
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'      SHEET 15 OF 24 SHEETS      STA. 7+28 TO STA. 10+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	74
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				





MODEL: Default  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

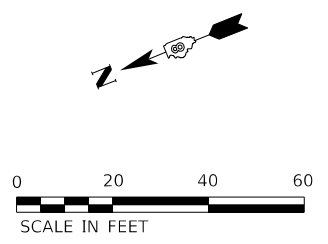
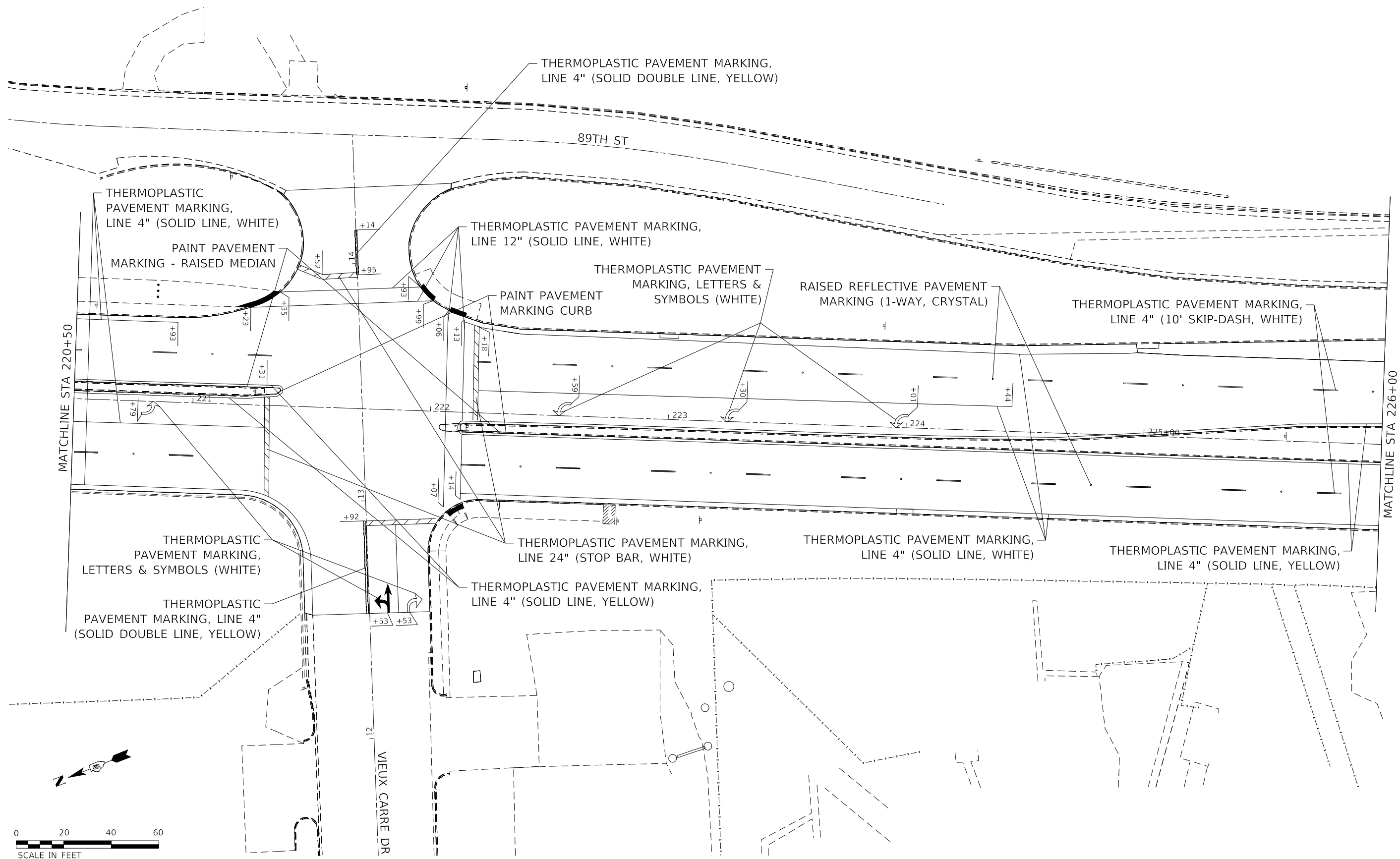
SCALE: 1"=20'    SHEET 17 OF 24 SHEETS    STA. 11+49 TO STA. 13+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	76
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	





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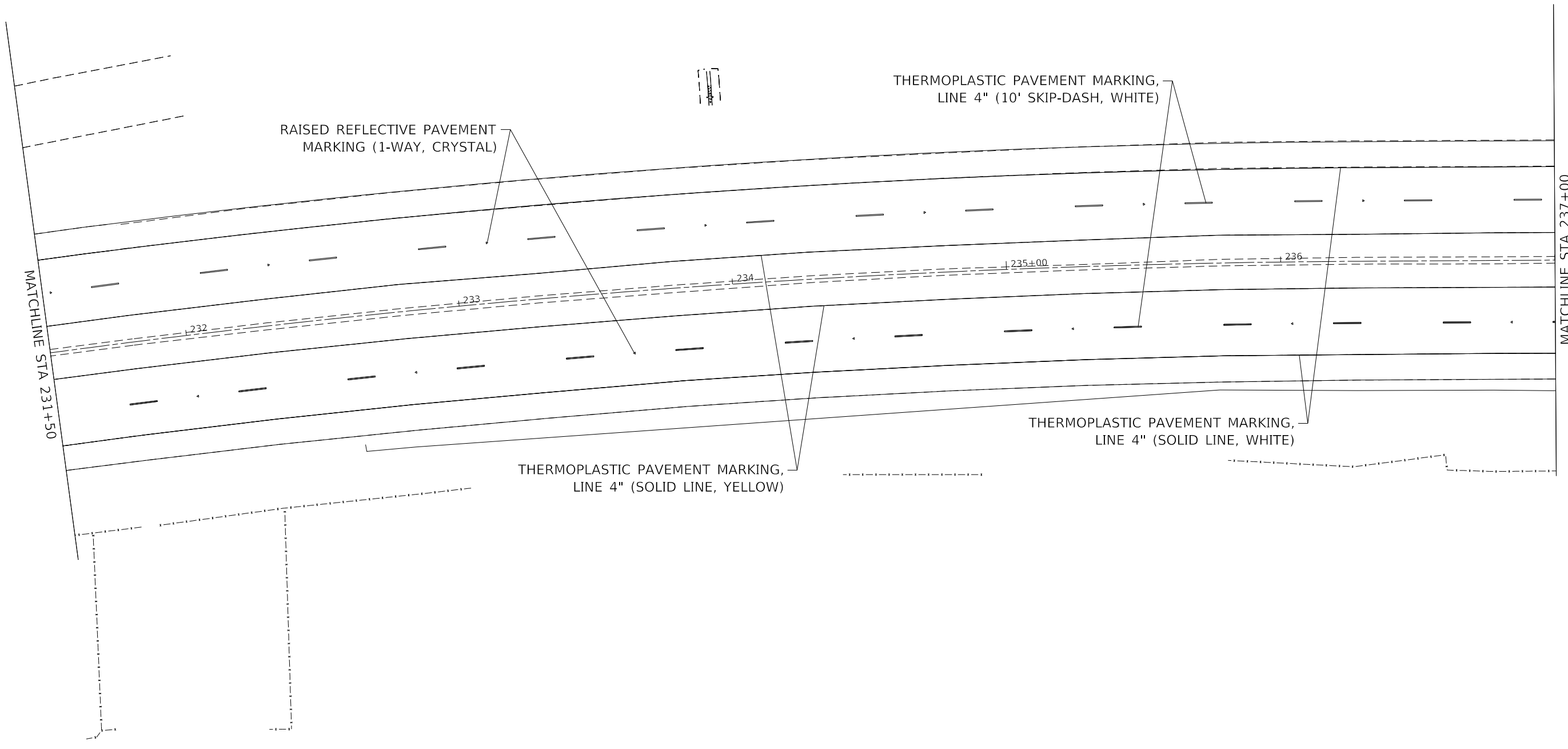
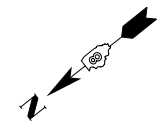
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20' SHEET 19 OF 24 SHEETS STA. 220+50 TO STA. 226+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	78
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				





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	DATE -	REVISED -

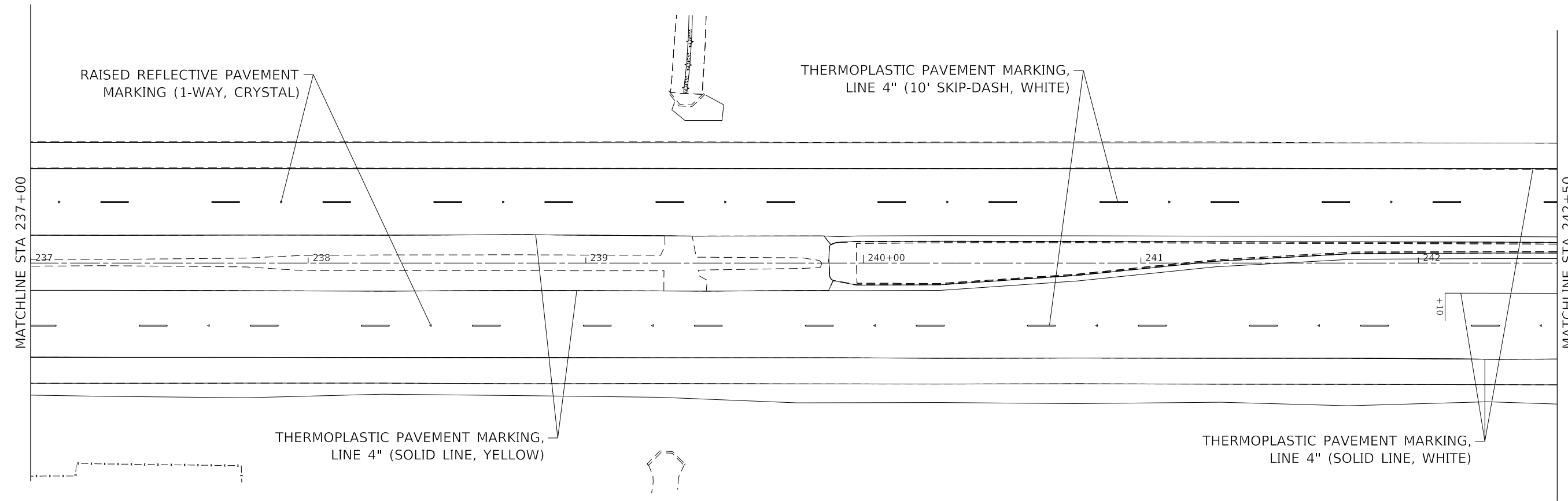
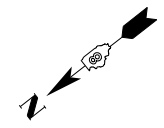
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 21 OF 24 SHEETS    STA. 231+50 TO STA. 237+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	80
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 76K45



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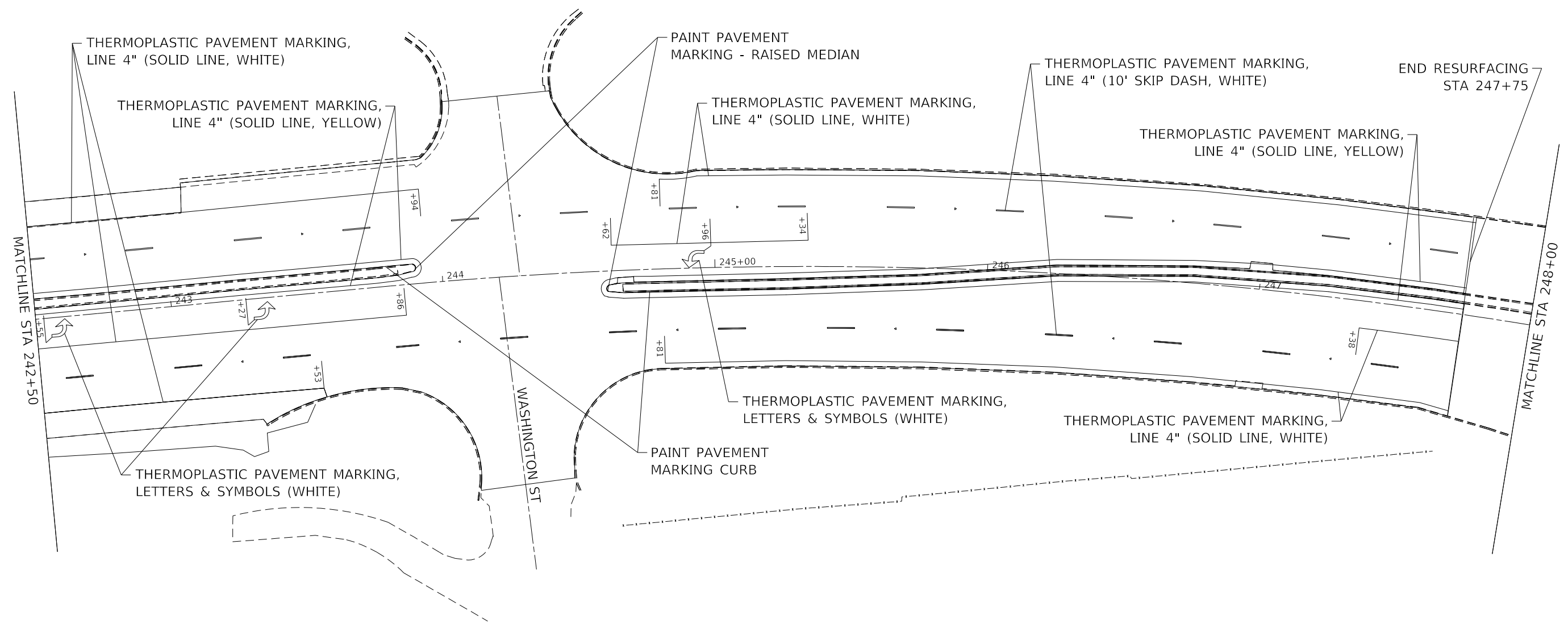
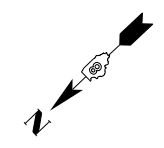
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 22 OF 24 SHEETS    STA. 237+00 TO STA. 242+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	81
CONTRACT NO. 76K45			ILLINOIS FED. AID PROJECT	



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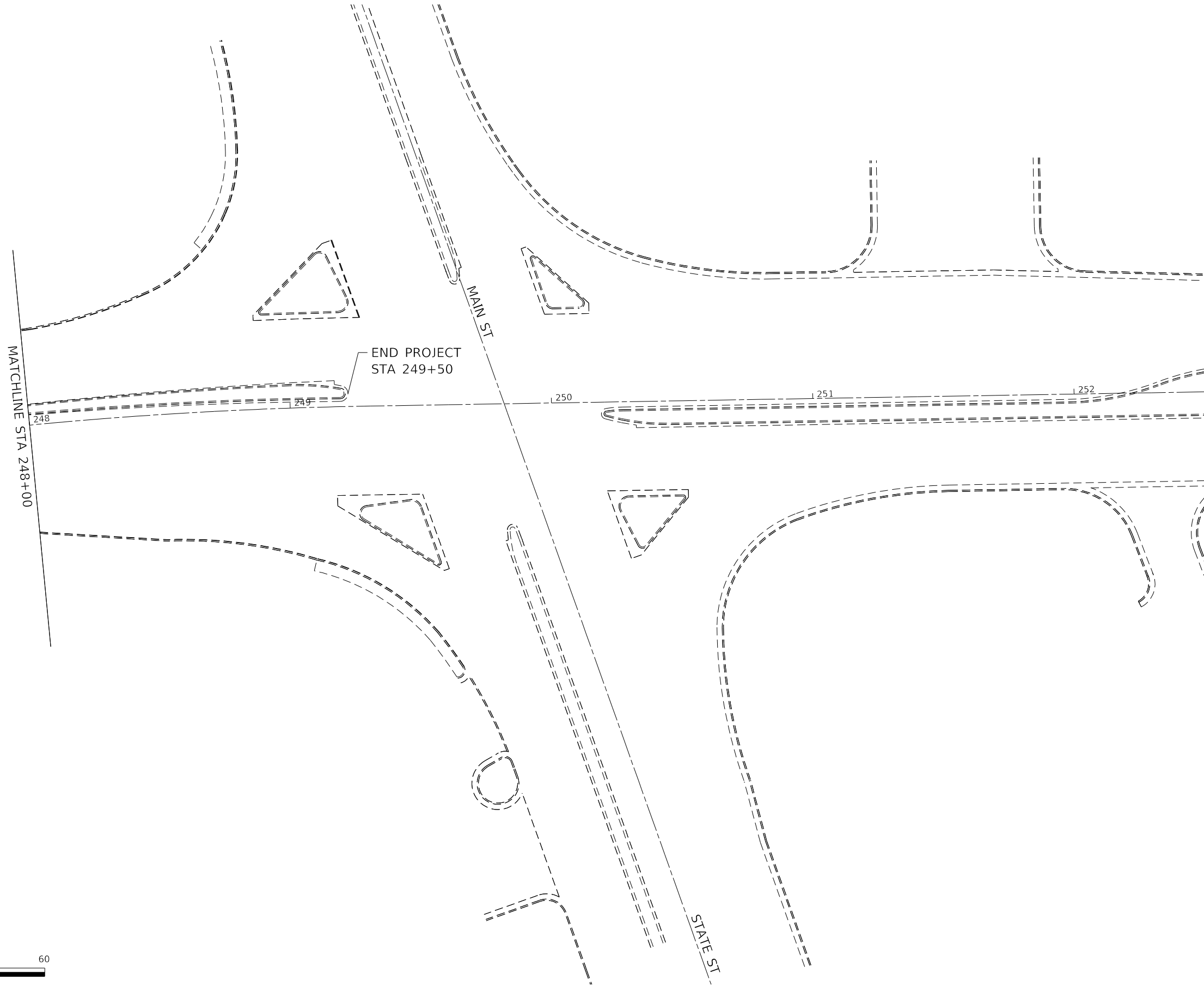
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 23 OF 24 SHEETS    STA. 242+50 TO STA. 248+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1,119-1)RS-3	ST. CLAIR	92	82
			CONTRACT NO. 76K45	
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEET**

SCALE: 1"=20'    SHEET 24    OF 24    SHEETS    STA. 248+00    TO STA.

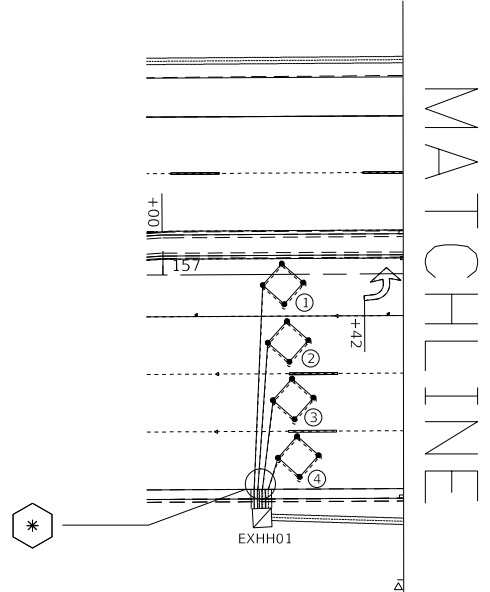
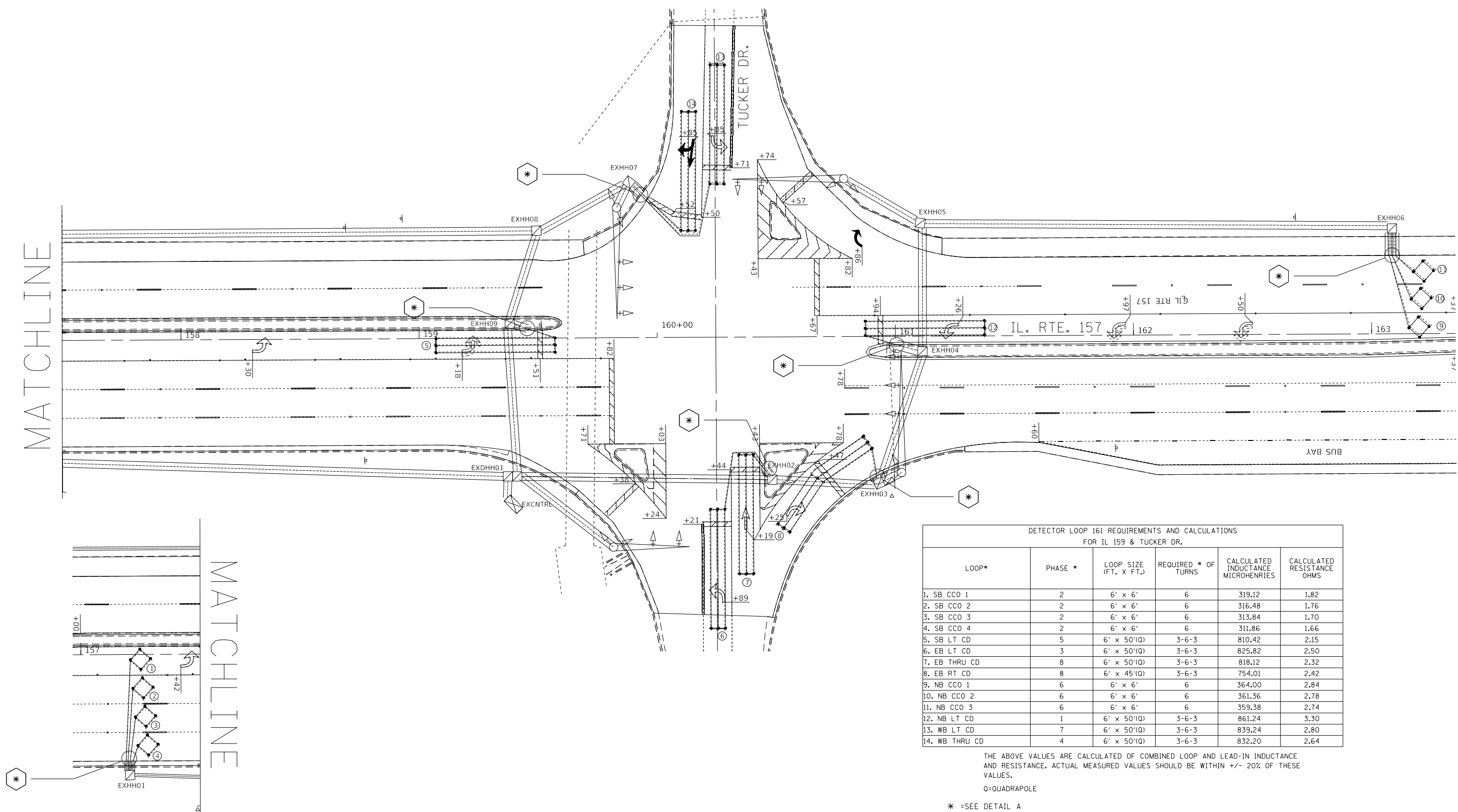
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592	(32-1,119-1)RS-3	ST. CLAIR	92	83
CONTRACT NO. 76K45				
ILLINOIS		FED. AID PROJECT		







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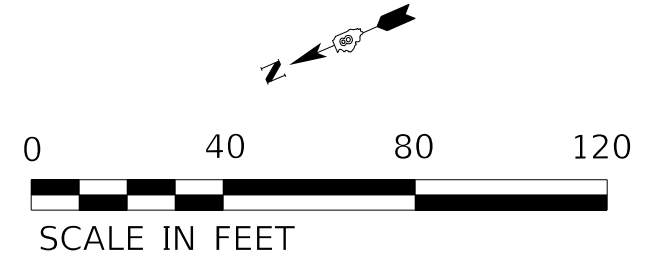
**DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS  
FOR IL 159 & TUCKER DR.**

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO 1	2	6' x 6'	6	319.12	1.82
2. SB CCO 2	2	6' x 6'	6	316.48	1.76
3. SB CCO 3	2	6' x 6'	6	313.84	1.70
4. SB CCO 4	2	6' x 6'	6	311.86	1.66
5. SB LT CD	5	6' x 50'(Q)	3-6-3	810.42	2.15
6. EB LT CD	3	6' x 50'(Q)	3-6-3	825.82	2.50
7. EB THRU CD	8	6' x 50'(Q)	3-6-3	818.12	2.32
8. EB RT CD	8	6' x 45'(Q)	3-6-3	754.01	2.42
9. NB CCO 1	6	6' x 6'	6	364.00	2.84
10. NB CCO 2	6	6' x 6'	6	361.36	2.78
11. NB CCO 3	6	6' x 6'	6	359.38	2.74
12. NB LT CD	1	6' x 50'(Q)	3-6-3	861.24	3.30
13. WB LT CD	7	6' x 50'(Q)	3-6-3	839.24	2.80
14. WB THRU CD	4	6' x 50'(Q)	3-6-3	832.20	2.64

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

Q=QUADRAPOLE

\* =SEE DETAIL A



USER NAME = humphreysb	DESIGNED -	REVISED -
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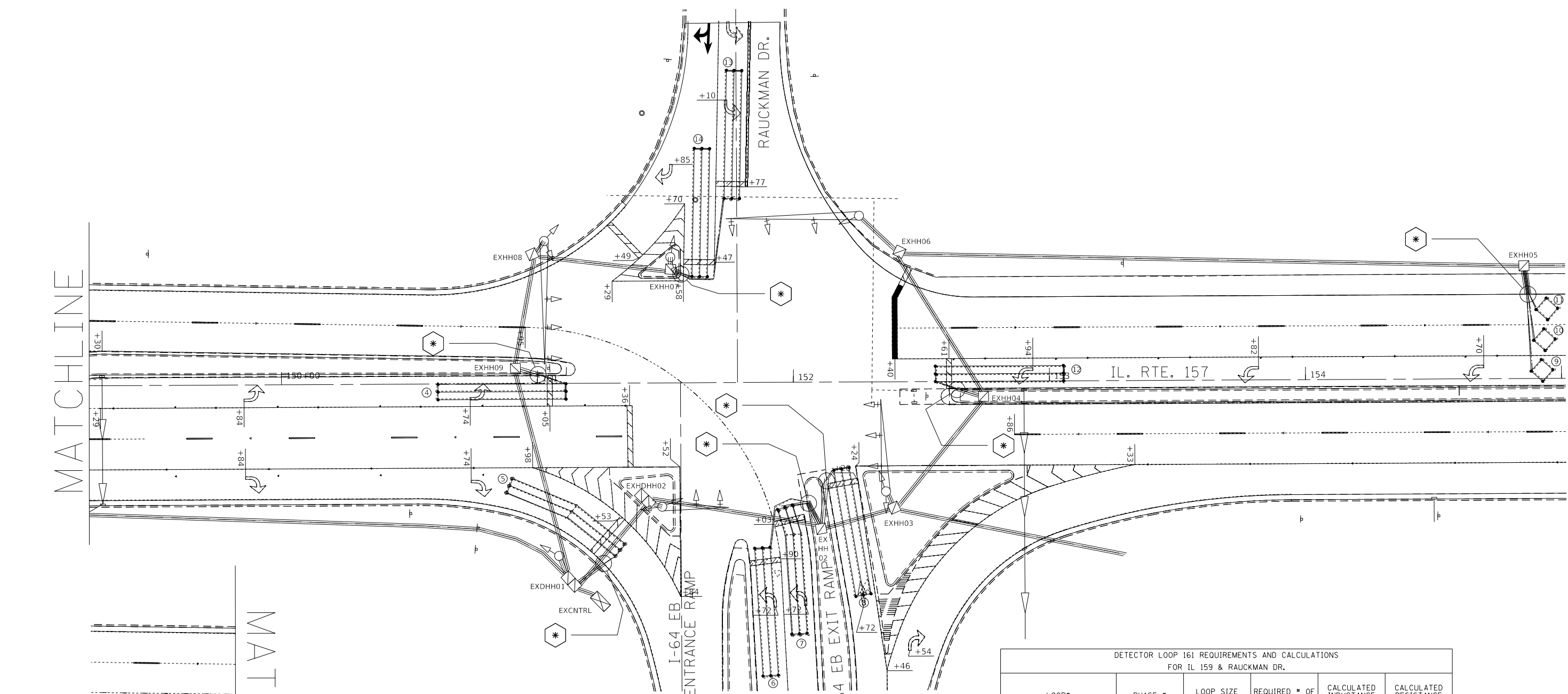
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
IL 157 & TUCKER DR.**

SCALE: SHEET TS 03 OF 08 SHEETS STA. TO STA.

F.A.P. RTE. 592	SECTION (32-1, 119-1)RS-3	COUNTY ST CLAIR	TOTAL SHEETS 92	SHEET NO. 86
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				

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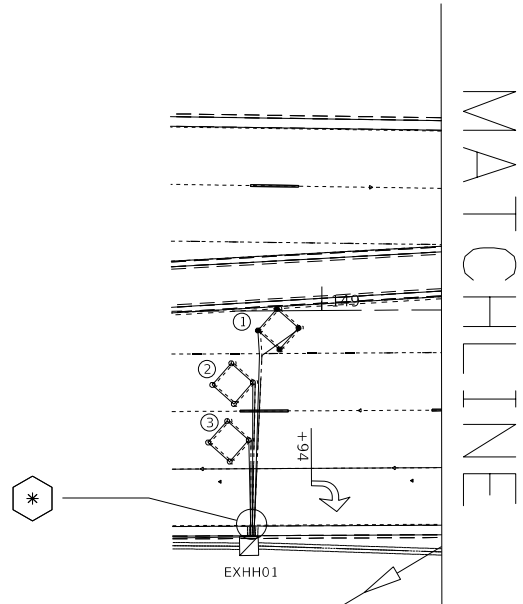
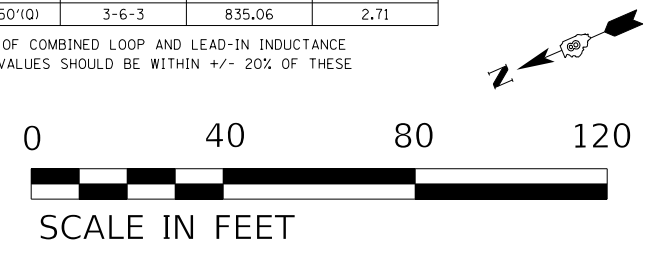
**DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS  
 FOR IL 159 & RAUCKMAN DR.**

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO 1	2	6' x 6'	6	322.20	1.89
2. SB CCO 2	2	6' x 6'	6	319.78	1.84
3. SB CCO 3	2	6' x 6'	6	317.14	1.78
4. SB CCO 4	2	6' x 50'(Q)	3-6-3	814.60	2.24
5. SB LT CD	5	6' x 50'(Q)	3-6-3	795.46	1.81
6. EB LT CD	3	6' x 50'(Q)	3-6-3	827.58	2.54
7. EB THRU CD	8	6' x 50'(Q)	3-6-3	822.08	2.41
8. EB RT CD	8	6' x 50'(Q)	3-6-3	823.62	2.45
9. NB CCO 1	6	6' x 6'	7	496.93	3.40
10. NB CCO 2	6	6' x 6'	7	494.29	3.34
11. NB CCO 3	6	6' x 6'	6	380.50	3.22
12. NB LT CD	1	6' x 50'(Q)	3-6-3	829.56	2.58
13. WB LT CD	7	6' x 50'(Q)	3-6-3	843.86	2.91
14. WB THRU CD	4	6' x 50'(Q)	3-6-3	835.06	2.71

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

Q=QUADRAPOLE

\* =SEE DETAIL A



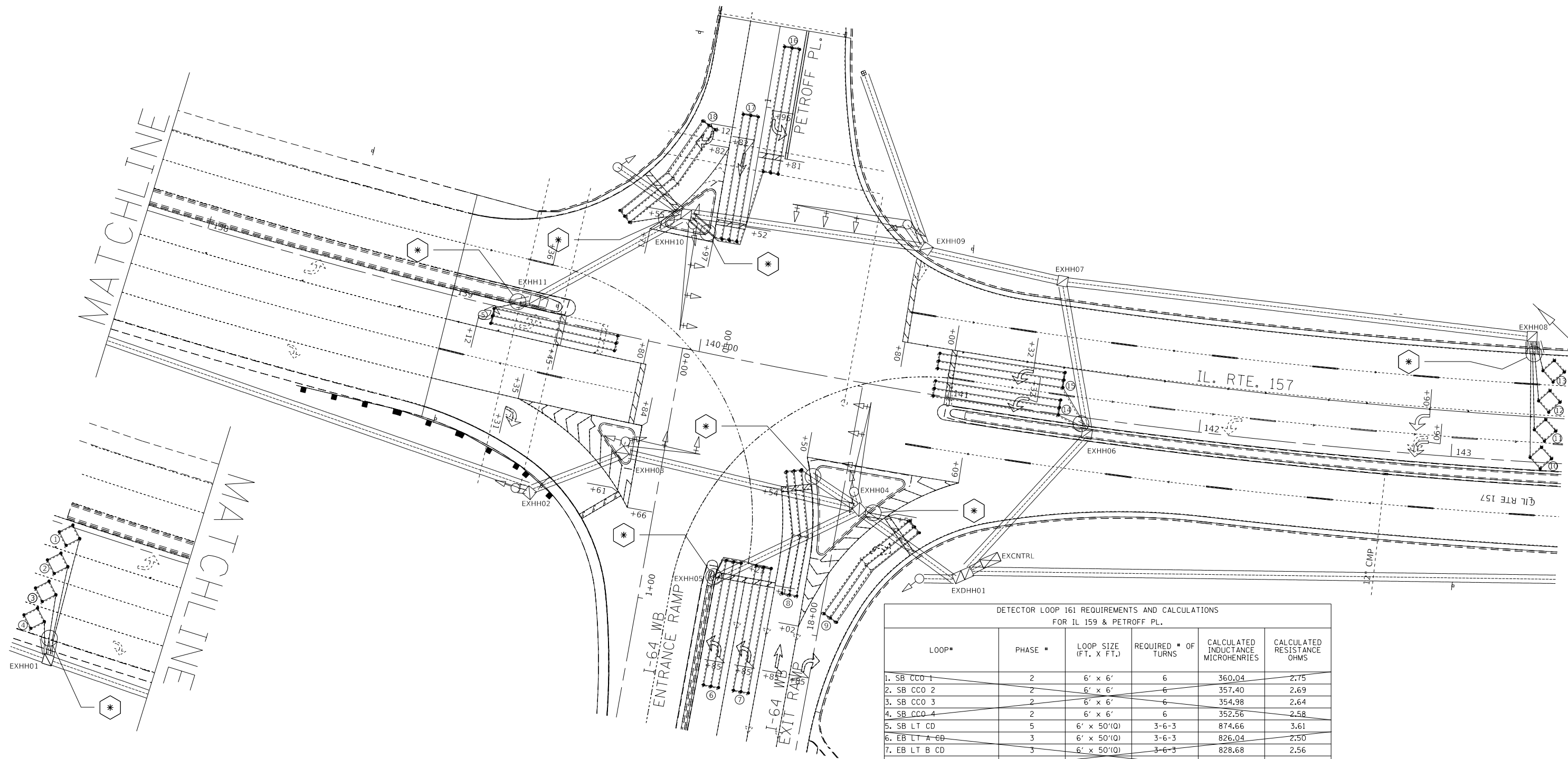
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
 IL 157 & RAUCKMAN DRIVE**

SCALE: SHEET TS 04 OF 08 SHEETS STA. TO STA.

F.A.P. RTE. 592	SECTION (32-1, 119-1)RS-3	COUNTY ST CLAIR	TOTAL SHEETS 92	SHEET NO. 87
			CONTRACT NO. 76K45	
		ILLINOIS FED. AID PROJECT		



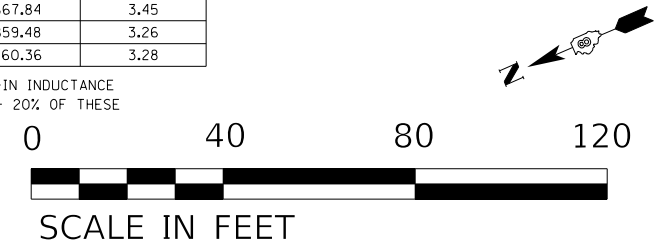
**DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS  
FOR IL 159 & PETROFF PL.**

LOOP #	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO 1	2	6' x 6'	6	360.04	2.75
2. SB CCO 2	2	6' x 6'	6	357.40	2.69
3. SB CCO 3	2	6' x 6'	6	354.98	2.64
4. SB CCO 4	2	6' x 6'	6	352.56	2.58
5. SB LT CD	5	6' x 50'(0)	3-6-3	874.66	3.61
6. EB LT A CD	3	6' x 50'(0)	3-6-3	826.04	2.50
7. EB LT B CD	3	6' x 50'(0)	3-6-3	828.68	2.56
8. EB THRU CD	8	6' x 50'(0)	3-6-3	808.00	2.09
9. EB RT CD	8	6' x 50'(0)	3-6-3	806.46	2.06
10. NB CCO 1	6	6' x 6'	6	342.22	2.35
11. NB CCO 2	6	6' x 6'	6	339.80	2.06
12. NB CCO 3	6	6' x 6'	6	337.16	2.23
13. NB CCO 4	6	6' x 6'	6	334.74	2.18
14. NB LT A CD	1	6' x 50'(0)	3-6-3	809.98	2.14
15. NB LT B CD	1	6' x 50'(0)	3-6-3	811.74	2.18
16. WB LT CD	7	6' x 50'(0)	3-6-3	867.84	3.45
17. WB THRU CD	4	6' x 50'(0)	3-6-3	859.48	3.26
18. WB LT CD	4	6' x 50'(0)	3-6-3	860.36	3.28

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

O=QUADRAPOLE

\* =SEE DETAIL A



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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETECTOR LOOP REPLACEMENT PLAN IL 157 &amp; PETROFF PL.</b>			
SCALE:	SHEET TS 05 OF 08 SHEETS	STA.	TO STA.

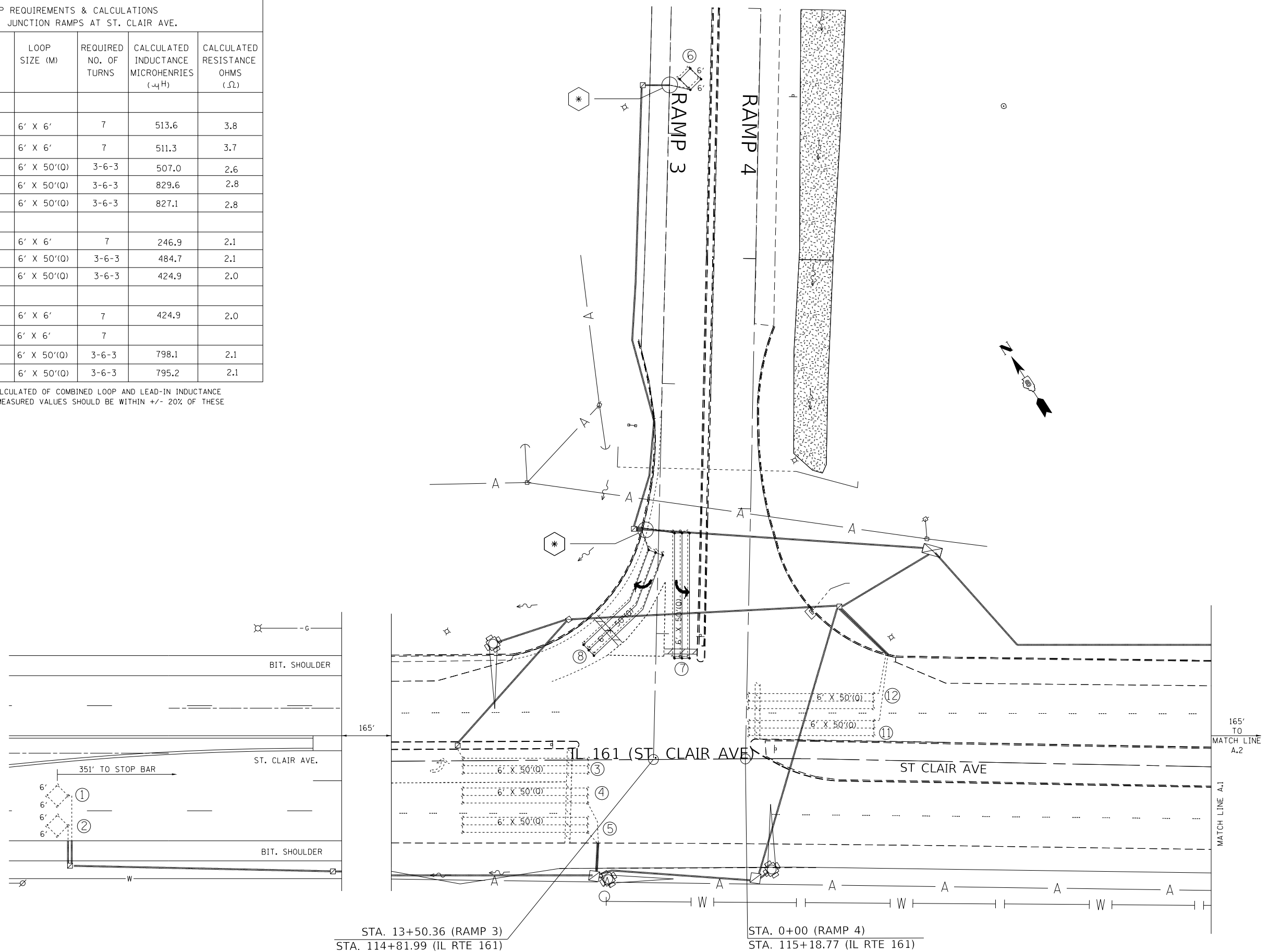
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST CLAIR	92	88
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS & CALCULATIONS IL RTE.157 WEST JUNCTION RAMPS AT ST. CLAIR AVE.					
LOOP	PHASE (Ø)	LOOP SIZE (M)	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
WEST JUNCTION					
1. EB CCO 1	6	6' X 6'	7	513.6	3.8
2. EB CCO 2	6	6' X 6'	7	511.3	3.7
3. EB LT CD	1	6' X 50'(Q)	3-6-3	507.0	2.6
4. EB THRU CD 1	6	6' X 50'(Q)	3-6-3	829.6	2.8
5. EB THRU CD 2	6	6' X 50'(Q)	3-6-3	827.1	2.8
6. SB CCO	4	6' X 6'	7	246.9	2.1
7. SB LT CD	4	6' X 50'(Q)	3-6-3	484.7	2.1
8. SB RT CD	4	6' X 50'(Q)	3-6-3	424.9	2.0
9. WB CCO	2	6' X 6'	7	424.9	2.0
10. WB CCO	2	6' X 6'	7		
11. WB THRU CD	2	6' X 50'(Q)	3-6-3	798.1	2.1
12. WB THRU CD	2	6' X 50'(Q)	3-6-3	795.2	2.1

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

Q=QUADRAPOLE

\* =SEE DETAIL A



STA. 13+50.36 (RAMP 3)  
STA. 114+81.99 (IL RTE 161)

STA. 0+00 (RAMP 4)  
STA. 115+18.77 (IL RTE 161)

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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT  
ST. CLAIR AVE. & IL 157 WEST (1 OF 2) RAMPS**

SCALE: SHEET TS 06 OF 08 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST CLAIR	92	89
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS & CALCULATIONS  
IL RTE.157 EAST JUNCTION RAMPS AT ST. CLAIR AVE.

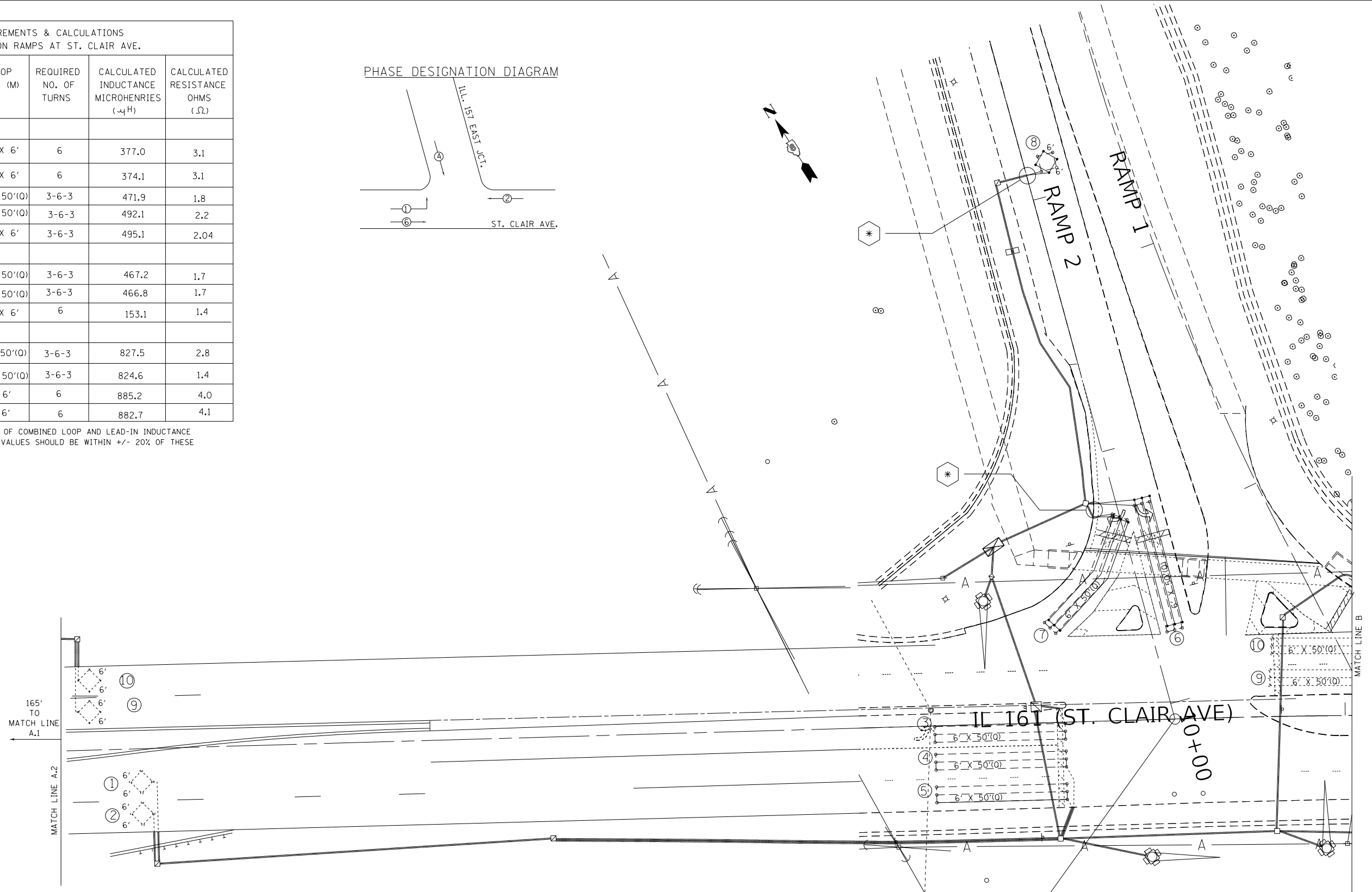
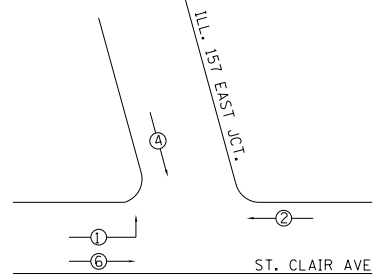
LOOP	PHASE (Ø)	LOOP SIZE (M)	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
<b>WEST JUNCTION</b>					
1. EB CCO	6	6' X 6'	6	377.0	3.1
2. EB CCO	6	6' X 6'	6	374.1	3.1
3. EB LT CD	1	6' X 50'(Ø)	3-6-3	471.9	1.8
4. EB THRU CD	6	6' X 50'(Ø)	3-6-3	492.1	2.2
5. EB THRU CD	6	6' X 6'	3-6-3	495.1	2.04
6. SB LT CD	4	6' X 50'(Ø)	3-6-3	467.2	1.7
7. SB RT CD	4	6' X 50'(Ø)	3-6-3	466.8	1.7
8. SB CCO	4	6' X 6'	6	153.1	1.4
9. WB THRU CD	2	6' X 50'(Ø)	3-6-3	827.5	2.8
10. WB THRU CD	2	6' X 50'(Ø)	3-6-3	824.6	1.4
11. WB CCO	2	6' X 6'	6	885.2	4.0
12. WB CCO	2	6' X 6'	6	882.7	4.1

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

Ø=QUADRAPOLE

\* =SEE DETAIL A

PHASE DESIGNATION DIAGRAM



STA. 10+6.81 (RAMP 2)  
STA. 123+34.74 (IL RTE 161)

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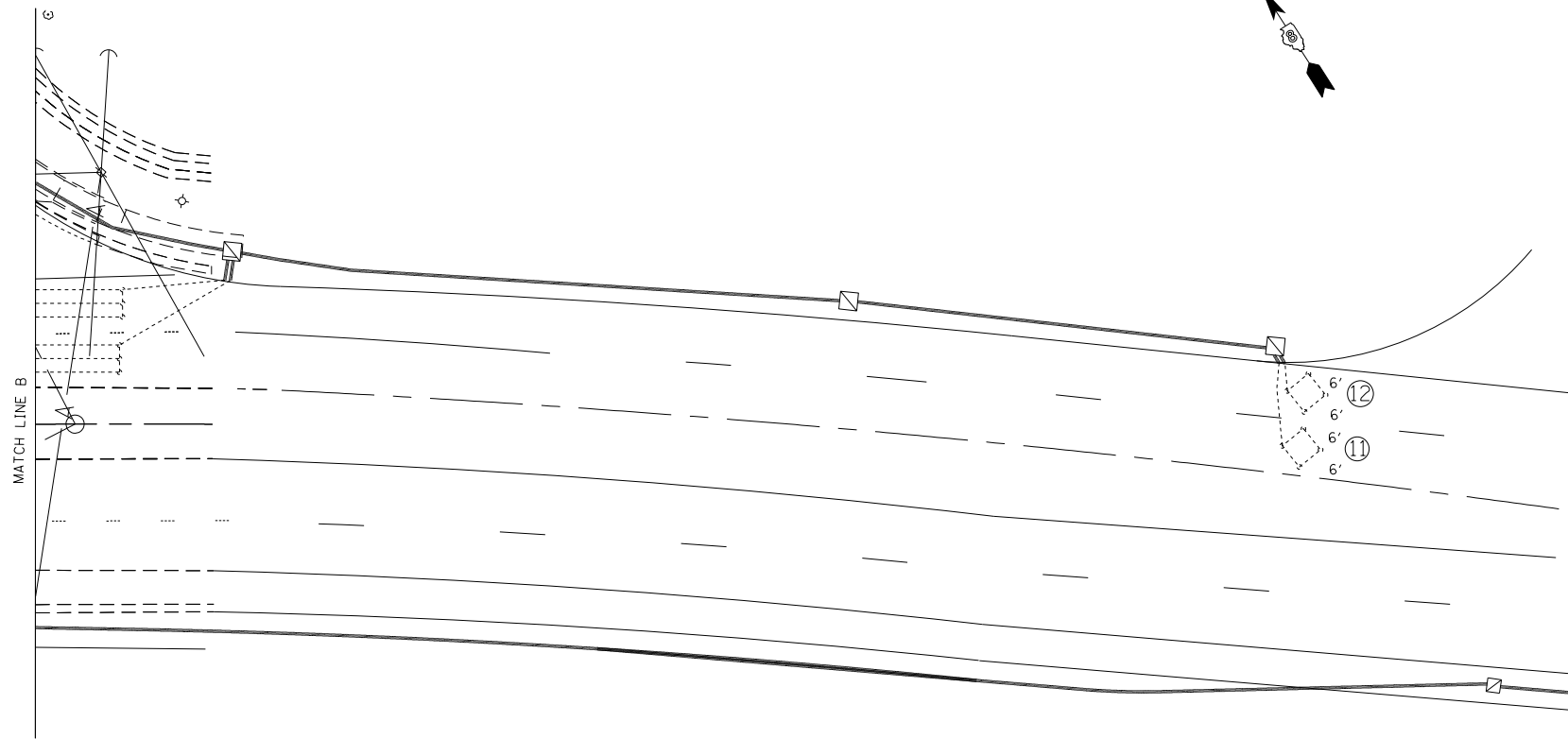
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PLOT DATE = 12/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT  
ST. CLAIR AVE. & IL 157 WEST (2 OF 2)/EAST (1 OF 2) RAMPS**

SCALE: SHEET TS 07 OF 08 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST CLAIR	92	90
CONTRACT NO. 76K45				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT**  
**ST. CLAIR AVE. & IL 157 EAST RAMP (2 OF 2)**

SCALE: SHEET TS 08 OF 08 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
592	(32-1, 119-1)RS-3	ST CLAIR	92	91
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76K45	

