

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177 PP-CJS	WILL	21	1
		ILLINOIS	CONTRACT NO. 62M32	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF FRANKFORT

**PROPOSED  
HIGHWAY PLANS**

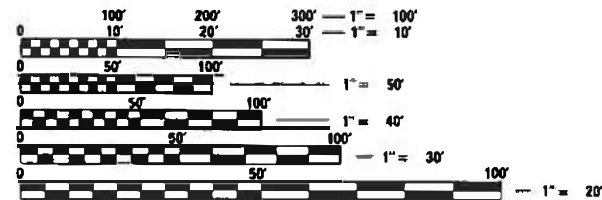
FAP ROUTE 330: US 45 (96th AVE/ LaGRANGE RD)  
NORTH OF COLORADO AVENUE TO STUENKEL ROAD

SECTION: 2020-177-PP&CJS  
PROJECT: NHPP-7K5K(828)  
PATCHING, CRACK & JOINT SEALING  
WILL COUNTY

**TRAFFIC DATA:**

PROJECT BEGINS TO NEBRASKA ST.  
ADT (2019) = 15,900  
SPEED LIMIT = 55 MPH

NEBRASKA ST. TO PROJECT END  
ADT (2019) = 33,500  
SPEED LIMIT = 45 MPH

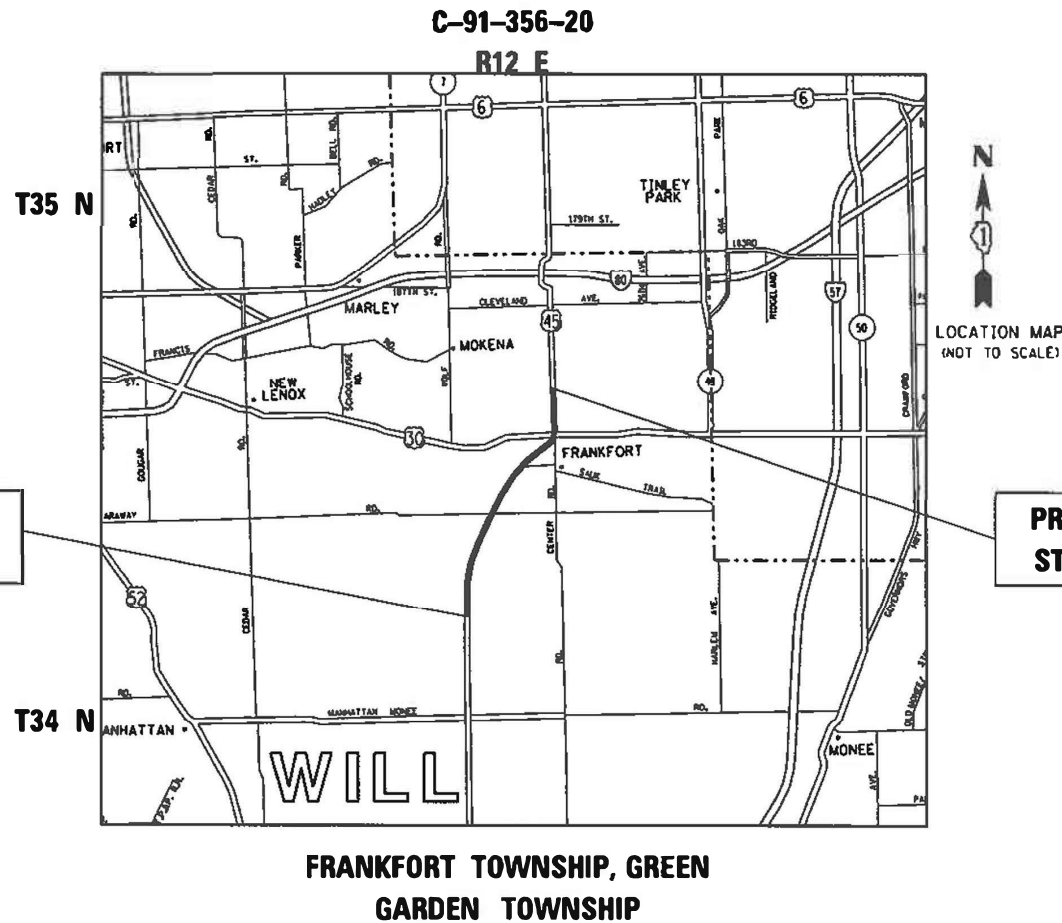


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62M32

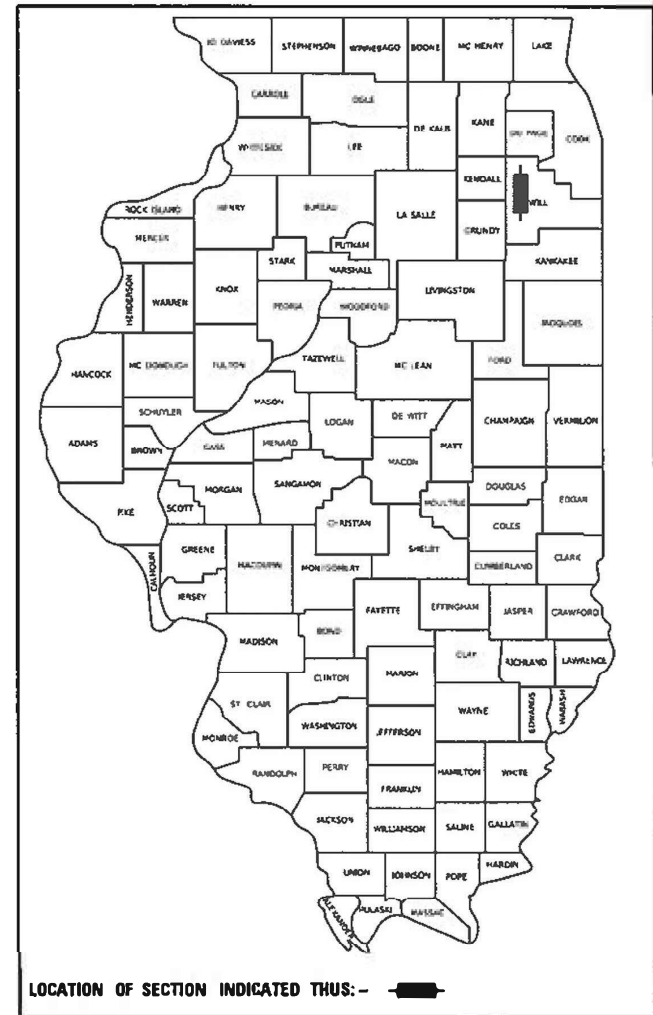


PROJECT BEGINS  
STA. 3 + 59

PROJECT ENDS  
STA. 248 + 29.5

GROSS & NET LENGTH = 24,471 FT. = 4.63 MILES

D-91-557-20



LOCATION OF SECTION INDICATED THIS: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 9 20 20

*Anthony J. Deringer* / 1083 REGIONAL ENGINEER  
January 29, 2021

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

*James J. Gu* 13  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

**STATE STANDARDS**

**GENERAL NOTES**

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET		
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES		
3-4	SUMMARY OF QUANTITIES	000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
5-6	SCHEDULE OF QUANTITIES	442101-09	CLASS B PATCHES
7-15	PROPOSED ROADWAY AND PAVEMENT MARKING PLANS	442201-03	CLASS C AND D PATCHES
16	CRACK AND JOINT SEALING DETAIL	606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
17	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701101-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
18	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
19	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
20	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
21	ARTERIAL ROAD INFORMATION SIGNING (TC-22)	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
		701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH
		701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
		701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
		701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
		701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
		701901-08	TRAFFIC CONTROL DEVICES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, OF THE VILLAGE OF FRANKFORT.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT ERIC CAMPOS AREA TRAFFIC FIELD ENGINEER AT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL CRACK ROUTING & CRACK SEALING AND PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. CRACK ROUTING SHALL BE OMITTED WHERE VEHICLE DETECTOR LOOPS & RAISED REFLECTIVE PAVEMENT MARKERS ARE PRESENT IN PAVEMENT.
- MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN THE EXISTING PAVEMENT MAY BE PLACED, SHAPED AND COMPACTED TO THE SATISFACTION OF THE ENGINEER ALONG EXISTING AGGREGATE SHOULDERS ADJACENT TO THE PAVEMENT. ALL MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITHOUT AGGREGATE SHOULDERS AND SURPLUS MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITH AGGREGATE SHOULDERS, WHERE ALL MATERIALS ARE NOT PLACED ALONG EXISTING AGGREGATE SHOULDERS, SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- MODIFIED URETHANE PAVEMENT MARKING SHALL BE PLACED IMMEDIATELY AFTER C & J SEALER TEMPERATURE HAS COOLED DOWN AND DOES NOT AFFECT THE APPLICATION OF THE MODIFIED URETHANE PAVEMENT MARKING.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATION, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. THE BEGINNING OF NO PASSING ZONE PAVEMENT MARKINGS SHALL CONcide WITH THE POSTED SIGN, UNLESS IT IS DETERMINED THAT THE NEW LOCATION WARRANTS THE RELOCATION OF THE SIGN AND IS PART OF THE PLANNED PROPOSAL. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes		
<b>CLASS D PATCHING</b>			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70; TOP 2"	4.0% AT 70 GYR		QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4.0% AT 70 GYR		QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)			

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES  
US 45 (STUENKEL ROAD TO NORTH OF COLORADO AVENUE)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP-CJIS	WILL	21	2
CONTRACT NO. 62M32				
SCALE:		SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005				
42001300	PROTECTIVE COAT	SO YD	1000	1000				
44200050	WELDED WIRE REINFORCEMENT	SO YD	950	950				
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	760	760				
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SO YD	160	160				
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SO YD	30	30				
44201299	DOWEL BARS 1 1/2"	EACH	1610	1610				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	320	320				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	30	30				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	30	30				
44213200	SAW CUTS	FOOT	3465	3465				
45100100	CRACK ROUTING (PAVEMENT)	FOOT	53600	53600				
45100200	CRACK FILLING	POUND	15315	15315				
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	54370	54370				
45200300	JOINT OR CRACK FILLING	POUND	15535	15535				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	8	8				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1				
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1450	1450				
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	97950	97950				
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	9630	9630				
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	300	300				

REV-SEP

\* = SPECIALTY ITEMS





# US 45 SOUTH LAGRANGE ROAD (TOTAL CLASS B PATCHING)

Class B Patching			
Location	Type II (Sq.Yd.)	Type III (Sq.Yd.)	Type IV (Sq.Yd.)
US 45 (South LaGrange Road) Northbound	312.00	80.00	0.00
US 45 (South LaGrange Road) Southbound	376.00	80.00	27.00
10% contingency for Winter 2020 & 2021	68.80	0.00	0.00
<b>Total Class B Patching with Rounding (Sq.Yd.)</b>	<b>760.00</b>	<b>160.00</b>	<b>30.00</b>

**\* PATCHING LOCATIONS ARE DETERMINED BY THE RESIDENT ENGINEER IN THE FIELD.**

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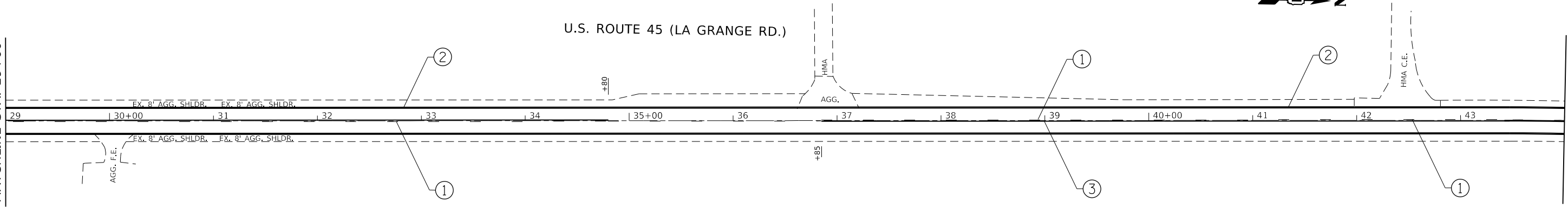
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PLOT DATE = 11/25/2020	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
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MATCHLINE STA. 29+00

MATCHLINE STA. 44+00

U.S. ROUTE 45 (LA GRANGE RD.)

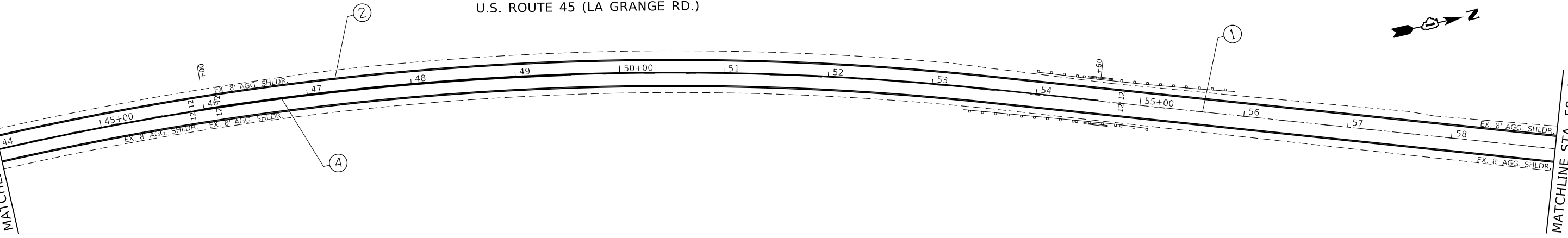


PAVEMENT MARKING LEGEND			
①	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LANE LINE @ 30' SKIP & 10' DASH	⑪	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID YELLOW LINE @ 45°, 150' C-C
②	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID WHITE LINE	⑫	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID WHITE LINE @ 45°, 150' C-C
③	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID YELLOW LINE, CENTERLINE	⑬	PROP. MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE
④	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C	⑭	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR
⑤	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" YELLOW SOLID EDGE MEDIAN LINE	⑮	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID WHITE LONGITUDINAL BAR @ 90°, 2' SPACING
⑥	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE TURN LANE		
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MATCHLINE STA. 44+00

MATCHLINE STA. 59+00

U.S. ROUTE 45 (LA GRANGE RD.)



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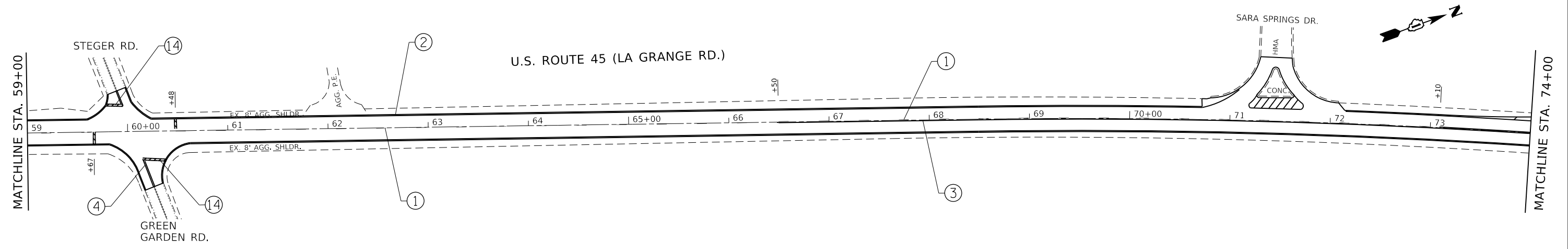
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.)  
(STUENKAL RD. TO NORTH OF COLORADO AVE.)  
SCALE: 1"=50' SHEET OF SHEETS STA. 29+00 TO STA. 59+00

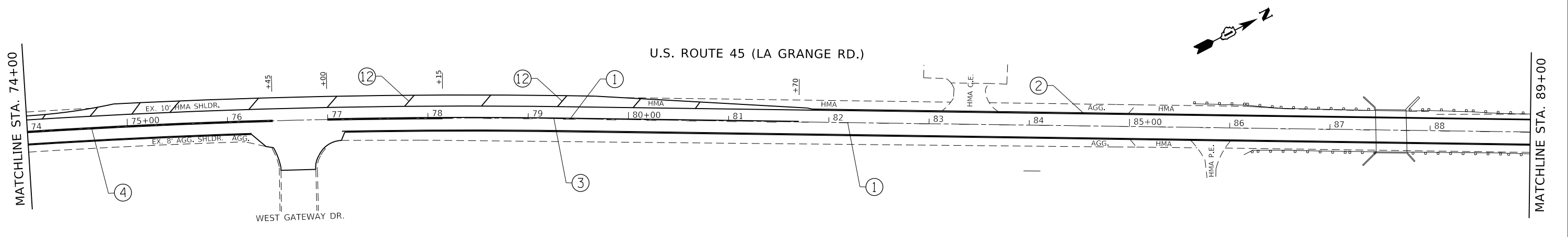
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP & CJS	WILL	21	8
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				





**PAVEMENT MARKING LEGEND**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.)  
(STUENKAL RD. TO NORTH OF COLORADO AVE.)**

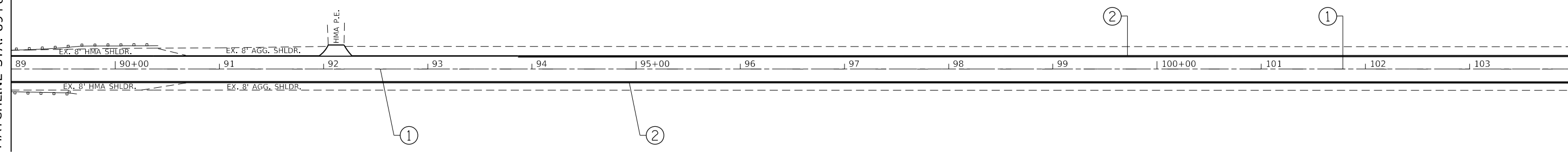
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ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 89+00

U.S. ROUTE 45 (LA GRANGE RD.)

MATCHLINE STA. 104+00



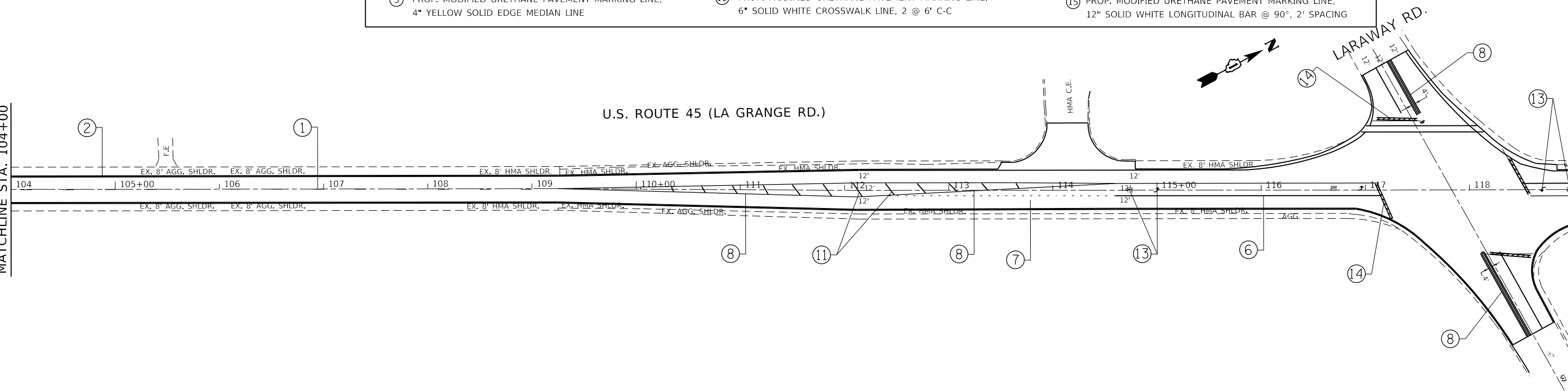
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U.S. ROUTE 45 (LA GRANGE RD.)

MATCHLINE STA. 119+00



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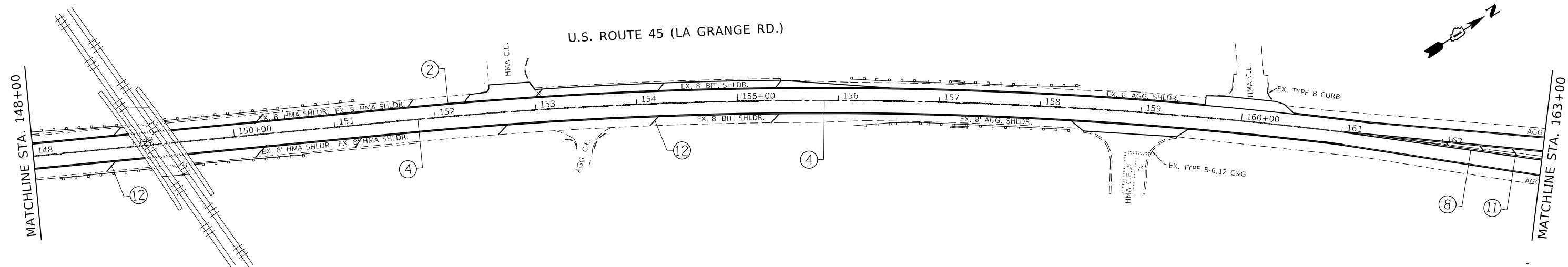
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.)  
(STUENKAL RD. TO NORTH OF COLORADO AVE.)**

SCALE: 1"=50'      SHEET      OF      SHEETS      STA. 89+00      TO STA. 119+00

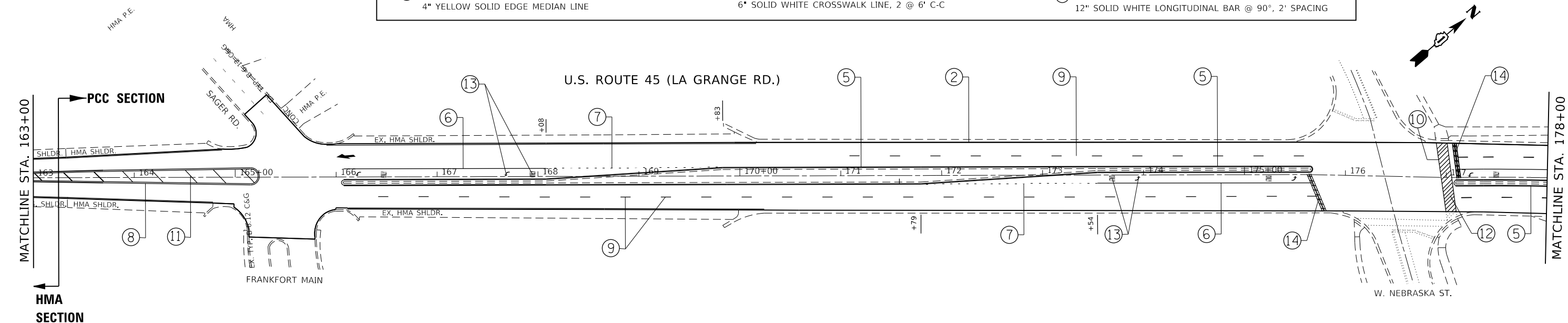
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP & CJS	WILL	21	10
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				





**PAVEMENT MARKING LEGEND**

<p>① PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LANE LINE @ 30' SKIP &amp; 10' DASH</p> <p>② PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID WHITE LINE</p> <p>③ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID YELLOW LINE, CENTERLINE</p> <p>④ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C</p> <p>⑤ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" YELLOW SOLID EDGE MEDIAN LINE</p>	<p>⑥ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE TURN LANE</p> <p>⑦ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SKIP DASH WHITE TURN LANE @ 6' SKIP &amp; 2' DASH</p> <p>⑧ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE YELLOW SOLID EDGE MEDIAN LINE</p> <p>⑨ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP &amp; 10' DASH</p> <p>⑩ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C</p>	<p>⑪ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID YELLOW LINE @ 45°, 150' C-C</p> <p>⑫ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID WHITE LINE @ 45°, 150' C-C</p> <p>⑬ PROP. MODIFIED URETHANE PAVEMENT MARKING LETTERS &amp; SYMBOLS, SOLID WHITE</p> <p>⑭ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR</p> <p>⑮ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID WHITE LONGITUDINAL BAR @ 90°, 2' SPACING</p>
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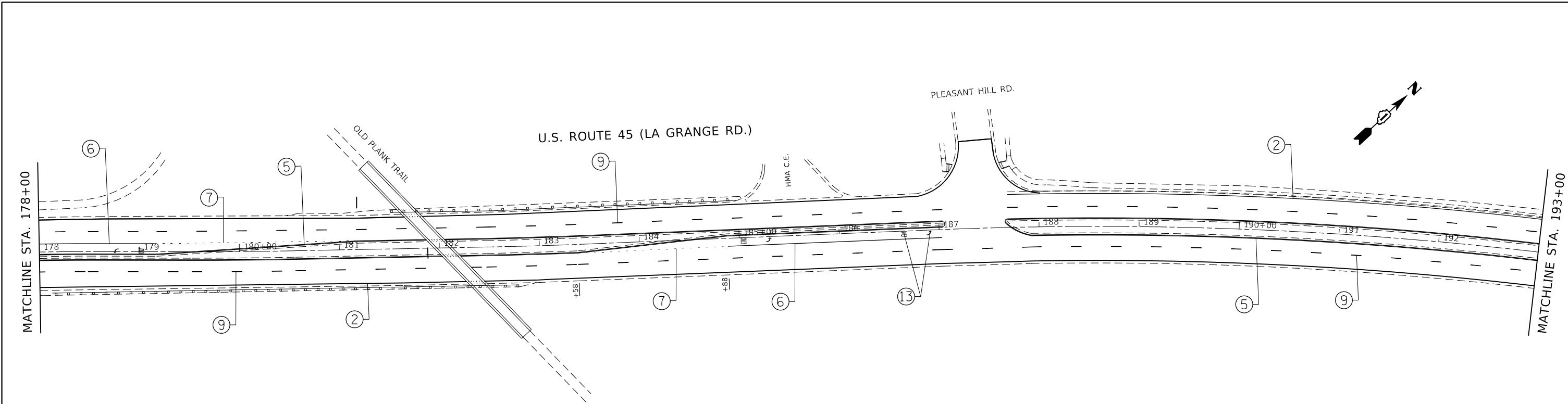
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
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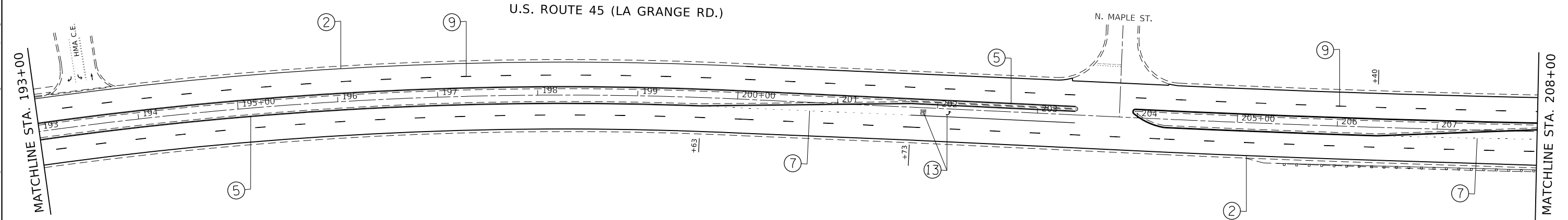
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.) (STUENKAL RD. TO NORTH OF COLORADO AVE.)</b>			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA. 148+00	TO	STA. 178+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP & CJS	WILL	21	12
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND			
①	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LANE LINE @ 30' SKIP & 10' DASH	⑪	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID YELLOW LINE @ 45°, 150' C-C
②	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID WHITE LINE	⑫	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID WHITE LINE @ 45°, 150' C-C
③	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID YELLOW LINE, CENTERLINE	⑬	PROP. MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE
④	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C	⑭	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR
⑤	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" YELLOW SOLID EDGE MEDIAN LINE	⑮	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID WHITE LONGITUDINAL BAR @ 90°, 2' SPACING
⑥	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE TURN LANE		
⑦	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SKIP DASH WHITE TURN LANE @ 6' SKIP & 2' DASH		
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⑩	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C		



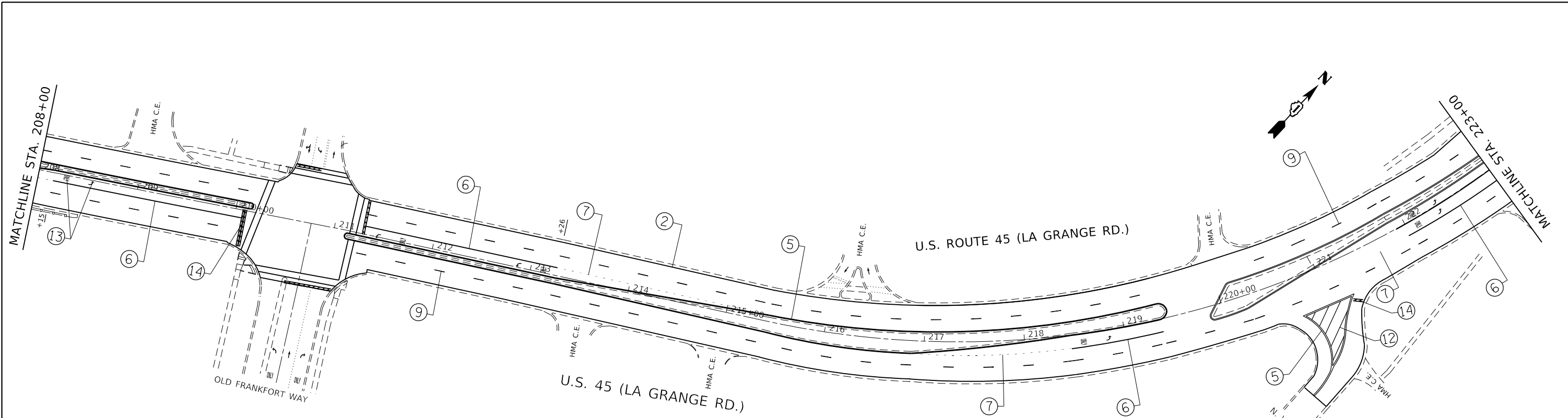
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USER NAME = qarutnm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

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

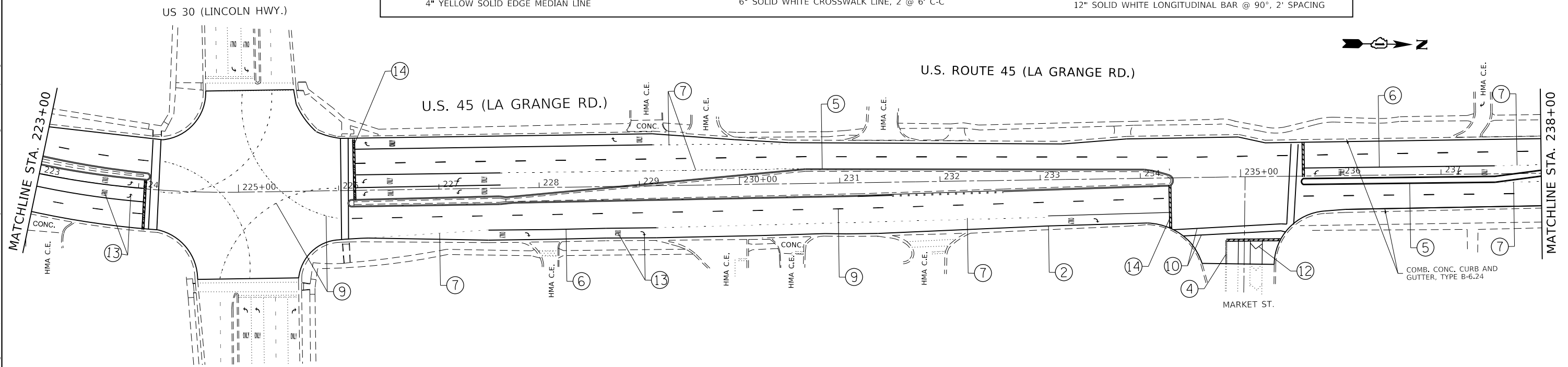
<b>ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.)</b> <b>(STUENKAL RD. TO NORTH OF COLORADO AVE.)</b>			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA. 178+00	TO	STA. 208+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP & CJS	WILL	21	13
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

<p>① PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LANE LINE @ 30' SKIP &amp; 10' DASH</p> <p>② PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID WHITE LINE</p> <p>③ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID YELLOW LINE, CENTERLINE</p> <p>④ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C</p> <p>⑤ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" YELLOW SOLID EDGE MEDIAN LINE</p>	<p>⑥ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE TURN LANE</p> <p>⑦ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SKIP DASH WHITE TURN LANE @ 6' SKIP &amp; 2' DASH</p> <p>⑧ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE YELLOW SOLID EDGE MEDIAN LINE</p> <p>⑨ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP &amp; 10' DASH</p> <p>⑩ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C</p>	<p>⑪ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID YELLOW LINE @ 45°, 150' C-C</p> <p>⑫ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID WHITE LINE @ 45°, 150' C-C</p> <p>⑬ PROP. MODIFIED URETHANE PAVEMENT MARKING LETTERS &amp; SYMBOLS, SOLID WHITE</p> <p>⑭ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR</p> <p>⑮ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID WHITE LONGITUDINAL BAR @ 90°, 2' SPACING</p>
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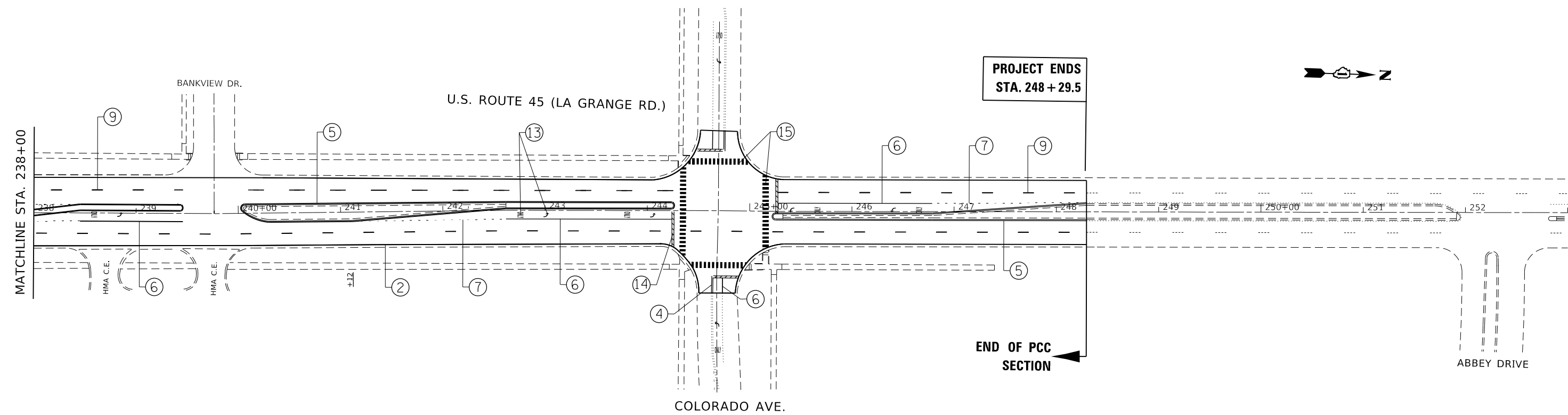
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

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

**ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.)**  
**(STUENKAL RD. TO NORTH OF COLORADO AVE.)**

SCALE: 1"=50'    SHEET    OF    SHEETS    STA. 208+00    TO    STA. 238+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP & CJS	WILL	21	14
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND			
①	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LANE LINE @ 30' SKIP & 10' DASH	⑪	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL SOLID YELLOW LINE @ 45°, 150' C-C
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④	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C	⑭	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR
⑤	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" YELLOW SOLID EDGE MEDIAN LINE	⑮	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID WHITE LONGITUDINAL BAR @ 90°, 2' SPACING
⑥	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE TURN LANE		
⑦	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SKIP DASH WHITE TURN LANE @ 6' SKIP & 2' DASH		
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⑨	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH		
⑩	PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C		

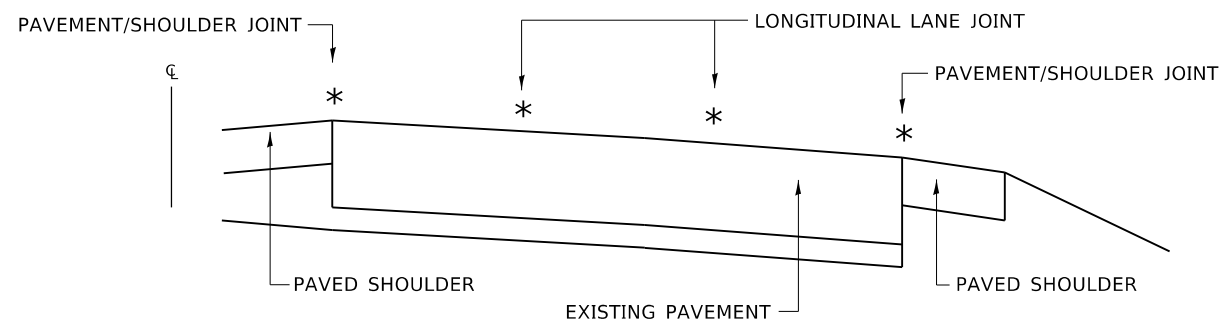
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USER NAME = qarutnm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

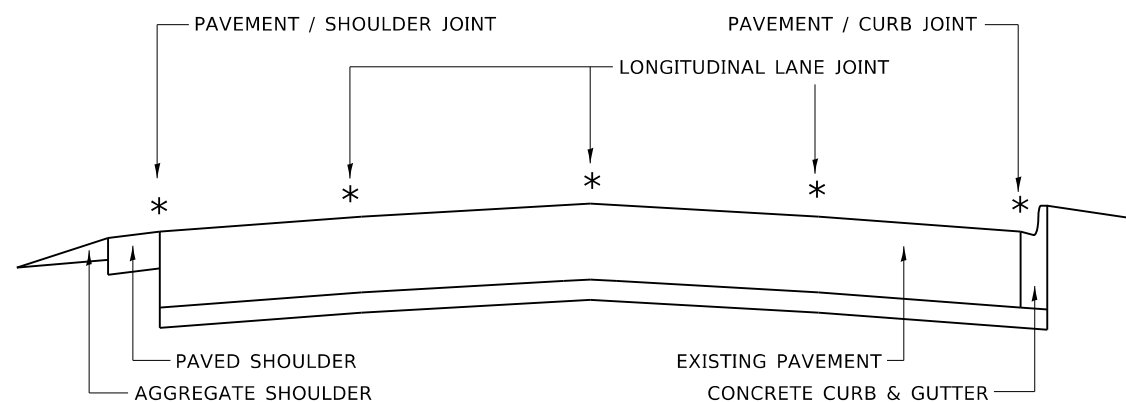
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN U.S. RTE. 45 (LA GRANGE RD.) (STUENKAL RD. TO NORTH OF COLORADO AVE.)</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. 238+00 TO STA. 248+29.5

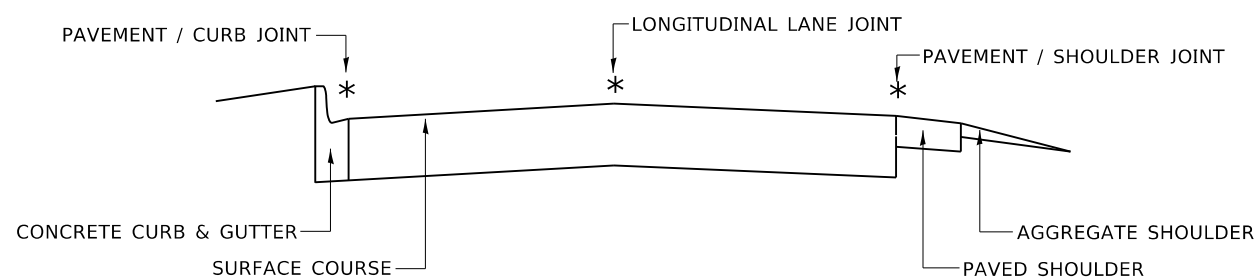
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP & CJS	WILL	21	15
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				



**MULTI-LANE DIVIDED PAVEMENT**



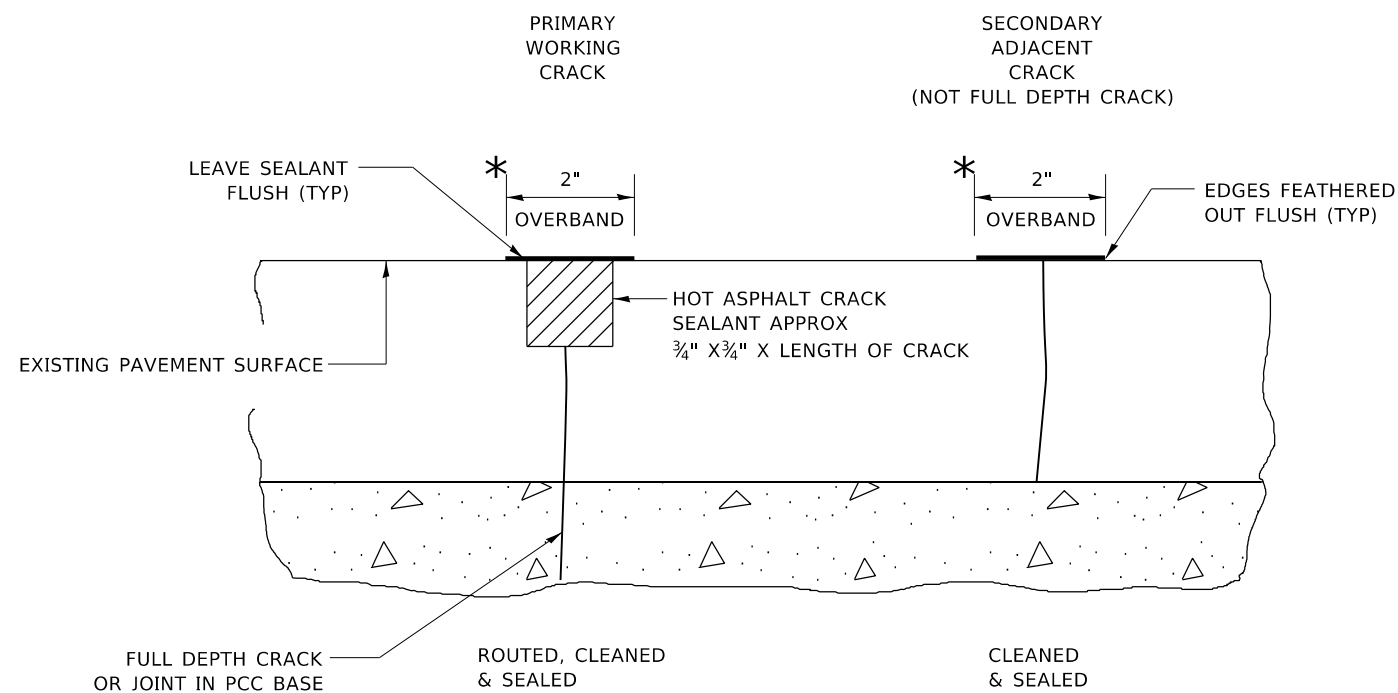
**MULTI-LANE UNDIVIDED PAVEMENT**



**TWO-LANE PAVEMENT**

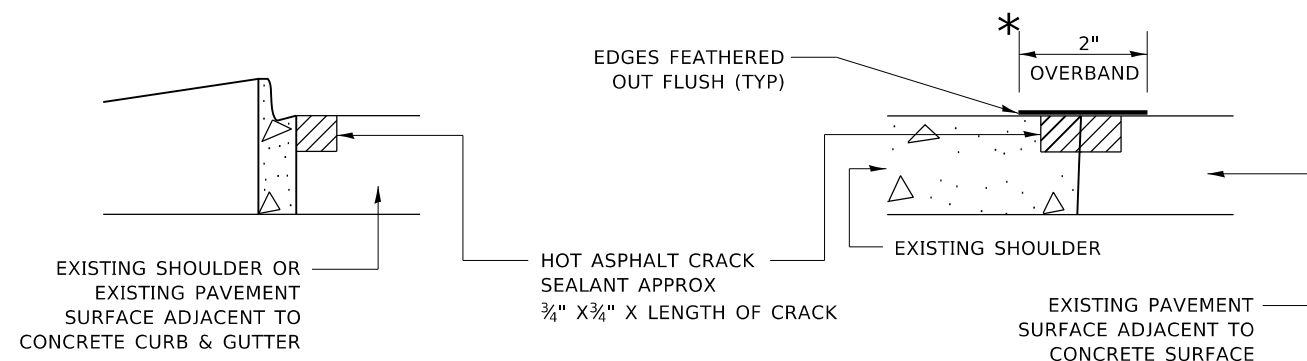
\* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

**GENERAL EXISTING TYPICAL SECTIONS  
(APPLIES TO HMA AND PCC PAVEMENTS)**



\* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

**LONGITUDINAL JOINT**



**CRACK & JOINT SEALING DETAIL**

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PROJECT: I:\Projects\155720\CADD\Design\Design\155720.dwg

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE - 10/08/2020	REVISED -

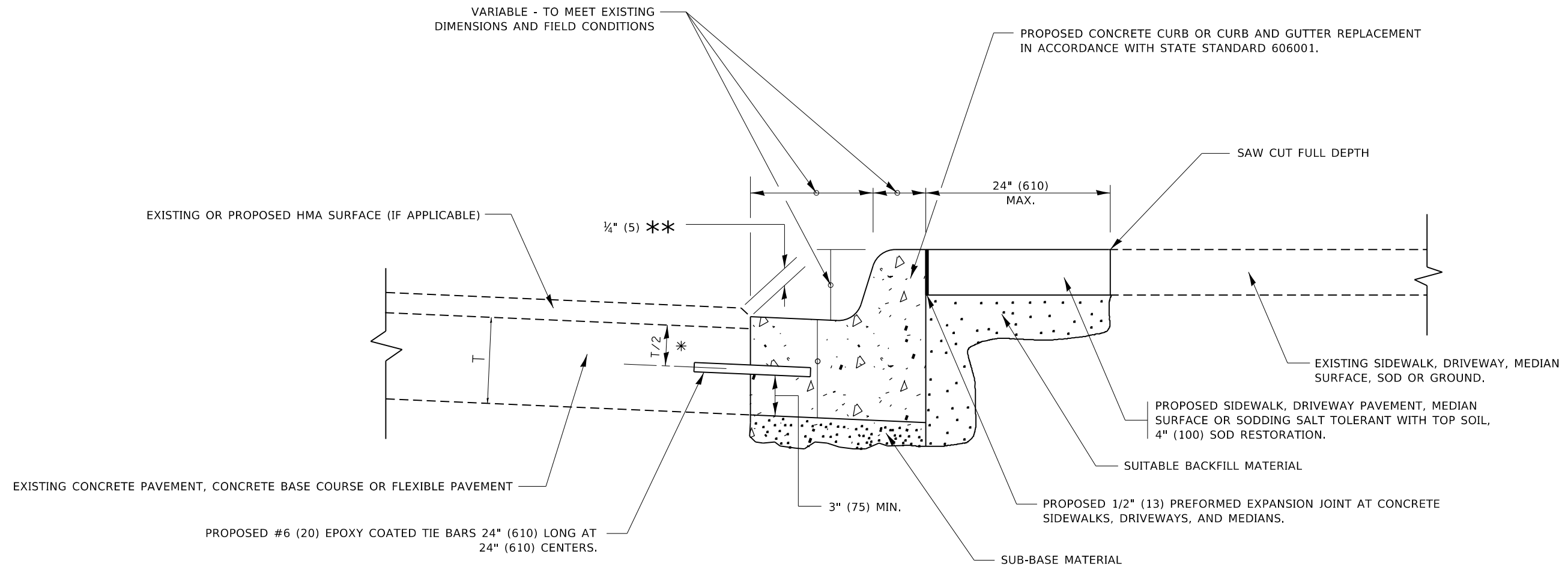
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CRACK & JOINT SEALING DETAIL (PD-11)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP-CJS	WILL	21	16
CONTRACT NO. 62M32				
ILLINOIS FED. AID PROJECT				





- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default  
FILE: Model: 2020-177-PP-CJIS  
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USER NAME = qarutnm	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 11/25/2020	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

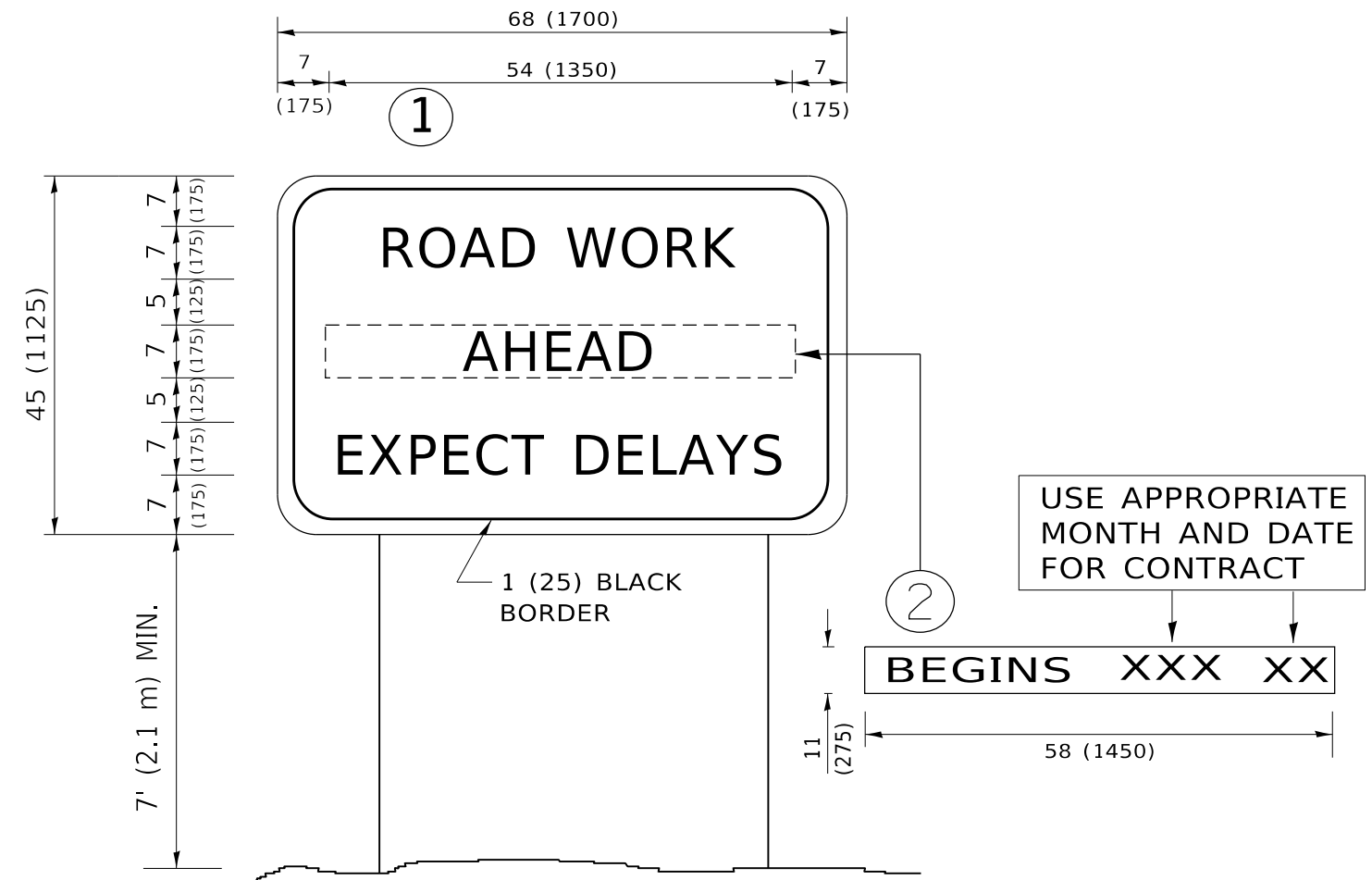
<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP-CJIS	WILL	21	17
<b>BD600-06 (BD-24)</b>		CONTRACT NO. 62M32		
ILLINOIS FED. AID PROJECT				









**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default  
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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 11/25/2020	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2020-177-PP-CJS	WILL	21	21
<b>TC-22</b>			CONTRACT NO. 62M32	
ILLINOIS FED. AID PROJECT				