

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-RS	McHENRY	57	1
		ILLINOIS	CONTRACT NO. 62N44	

**PROPOSED  
HIGHWAY PLANS**

**ROUTE FAP 305:  
US ROUTE 14 (NORTHWEST  
HIGHWAY)/VIRGINIA STREET  
CRYSTAL LAKE AVE TO PINGREE RD  
SECTION: 2021-021-RS  
PROJECT: NHPP - G5UV(677)  
SMART OVERLAY, ADA IMPROVEMENTS  
McHENRY COUNTY**

FOR INDEX OF SHEETS AND HIGHWAY  
STANDARDS, SEE SHEET NO. 2

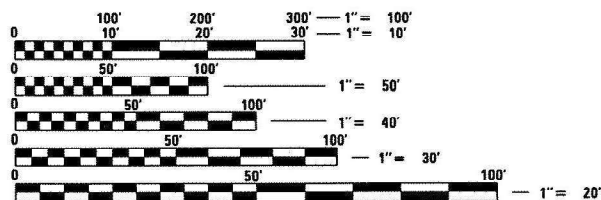
THIS PROJECT IS LOCATED  
IN THE CITY OF CRYSTAL LAKE

**TRAFFIC DATA**

2019 ADT = 30,100 VPD  
POSTED SPEED LIMIT = 30 MPH /40 MPH



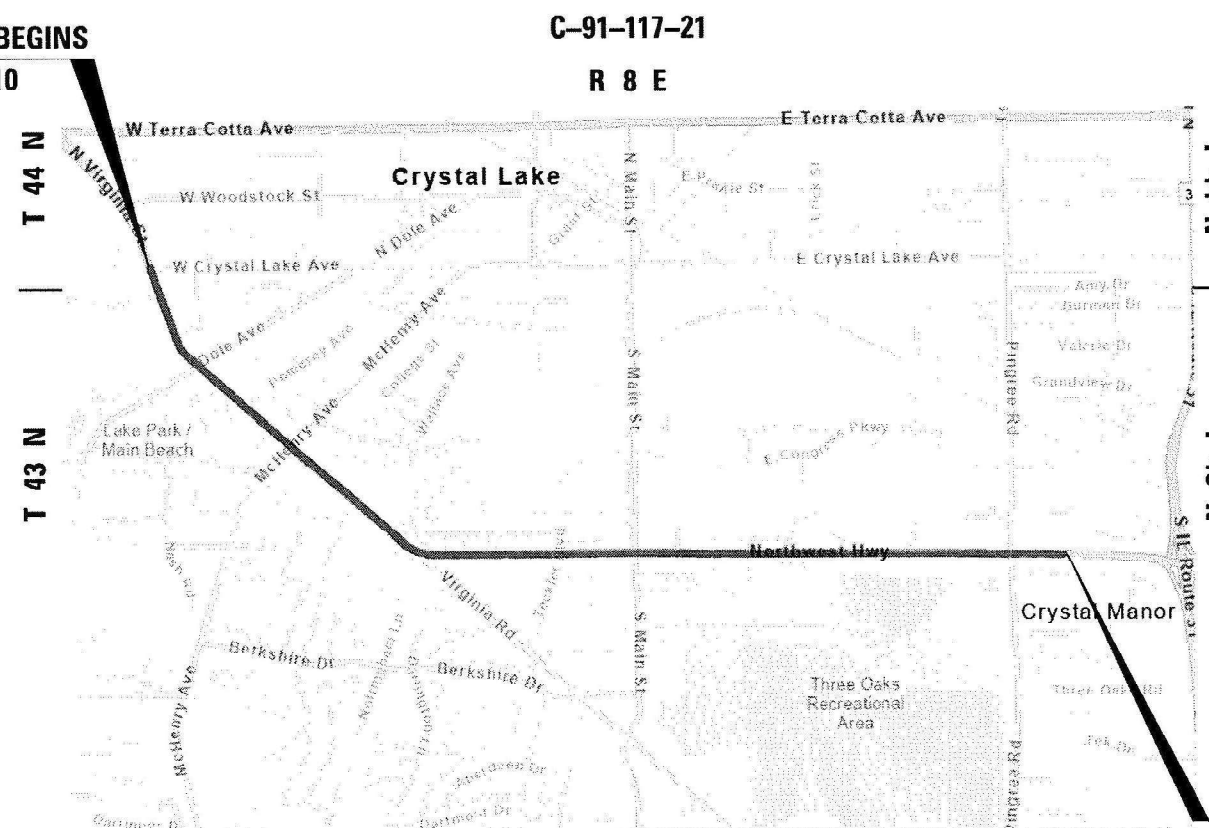
MUTHAYAB AHMED MOHAMMED, P.E.  
IL LIC. NO. 062-072419  
EXP: 11/30/2021  
DATE: 10/12/2021  
THIS SEAL AND SIGNATURE PERTAINS TO  
SHEETS 1-13, 25-59.



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

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

PROJECT BEGINS  
STA 14+10



PROJECT ENDS  
STA 172+37

R 8 E  
ALGONQUIN TOWNSHIP  
LOCATION MAP  
NOT TO SCALE

GROSS LENGTH = 15,827 FT. = 3.00 MILES  
NET LENGTH = 15,827 FT. = 3.00 MILES

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62N44

**OSEH inc.**  
CONTACT: MUTHAYAB MOHAMMED (312) 776-2168

D-91-094-21



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED October 18 2021  
Jose Pro CAS  
REGION 1 ENGINEER  
December 10 2021  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT  
December 10 2021  
Stephen M. Frail  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3 - 4	SUMMARY OF QUANTITIES
5 - 7	TYPICAL SECTIONS
8 - 13	ROADWAY AND PAVEMENT MARKING PLANS
14 - 24	DETECTOR LOOP REPLACEMENT PLAN
25 - 45	ADA CURB RAMP IMPROVEMENTS
46	DISTRICT ONE - DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
47	DISTRICT ONE - PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
48	DISTRICT ONE - CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
49	DISTRICT ONE - BUTT JOINT AND HMA TAPER DETAILS (BD-32)
50	DISTRICT ONE - TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
51	DISTRICT ONE - TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
52	DISTRICT ONE - TYPICAL PAVEMENT MARKINGS (TC-13)
53	DISTRICT ONE - TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
54	DISTRICT ONE - SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
55	DISTRICT ONE - ARTERIAL ROAD INFORMATION SIGN (TC-22)
56	DISTRICT ONE - DRIVEWAY ENTRANCE SIGNING (TC-26)
57	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

## STATE STANDARDS

STANDARD NO.	DRAWING NAME
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATION, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

- 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 AND THE CITY OF CRYSTAL LAKE.
- FRAME AND GRATE ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- EXTENDED LANE CLOSURE SHALL BE APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS. OVERNIGHT CLOSURE SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIANS.
- LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- CATCH BASINS, MANHOLES, INLETS, DRAINAGE STRUCTURES AND VALVE VAULTS ADJUSTMENT AND/OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS, UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- WHEN MILLED PAVEMENT OPENS TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 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. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ANY PAVEMENT MARKINGS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STRESS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER / TECHNICIAN.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- ALL CAST OPEN LIDS FOR FRAMES, TYPE 1, WITHIN CURB RAMPS FOR SIDEWALK, SHALL BE "ADA COMPLIANT" CAST OPEN LIDS PER HIGHWAY STANDARD 604001.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF THE CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES  
US ROUTE 14 (NORTHWEST HIGHWAY)/VIRGINIA STREET**

SCALE: NTS      SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	2
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				0005	
				80% FEDERAL 20% STATE	100% STATE
20200100	EARTH EXCAVATION	CU YD	124	124	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	187	187	
25200110	SODDING, SALT TOLERANT	SQ YD	187	187	
25200200	SUPPLEMENTAL WATERING	UNIT	1	1	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	8	8	
28000510	INLET FILTERS	EACH	46	46	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	55,055	55,055	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	63,308	63,308	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	206	206	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	883	883	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	178	178	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	11,969	11,969	
42001300	PROTECTIVE COAT	SQ YD	2,760	2,760	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,310	5,310	
42400800	DETECTABLE WARNINGS	SQ FT	910	910	
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	122,131	122,131	
44002207	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 3/4"	SQ YD	1,650	1,650	
44000600	SIDEWALK REMOVAL	SQ FT	5,310	5,310	
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	100	100	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	450	450	
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	500	500	
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	600	600	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7	

\* = SPECIALITY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				0005	
				80% FEDERAL 20% STATE	100% STATE
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5	
60255500	MANHOLES TO BE ADJUSTED	EACH	105	105	
60260100	INLETS TO BE ADJUSTED	EACH	46	46	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	7	7	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	49	49	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	105	105	
60404300	FRAMES AND GRATES, TYPE 3	EACH	5	5	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	124	124	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,851	7,851	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,616	2,616	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
US ROUTE 14 (NORTHWEST HIGHWAY)/VIRGINIA STREET**

SCALE: SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% STATE
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2,782	2,782	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	46,214	46,214	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	8,222	8,222	
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	883	883	
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	5,626	5,626	
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	1,706	1,706	
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	7,914	7,914	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,782	2,782	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	46,214	46,214	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8,222	8,222	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	883	883	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5,626	5,626	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,706	1,706	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,584	1,584	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,584	1,584	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	10	10	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	7,424	7,424	
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	4	
* 89502376	REBUILD EXISTING HANDHOLE	EACH	10	10	
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1	
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	3,600	3,600	
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	4,435	4,435	
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1,584		1,584

\* = SPECIALITY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% STATE
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	145	145	
Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2486	2,486	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	220		220
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	689	689	
Ø Z0076600	TRAINEES	HOURS	500	500	
Ø Z00766004	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
US ROUTE 14 (NORTHWEST HIGHWAY)/VIRGINIA STREET**

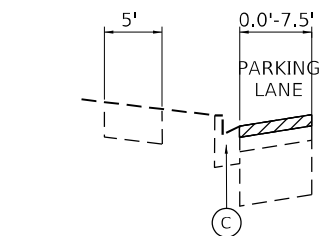
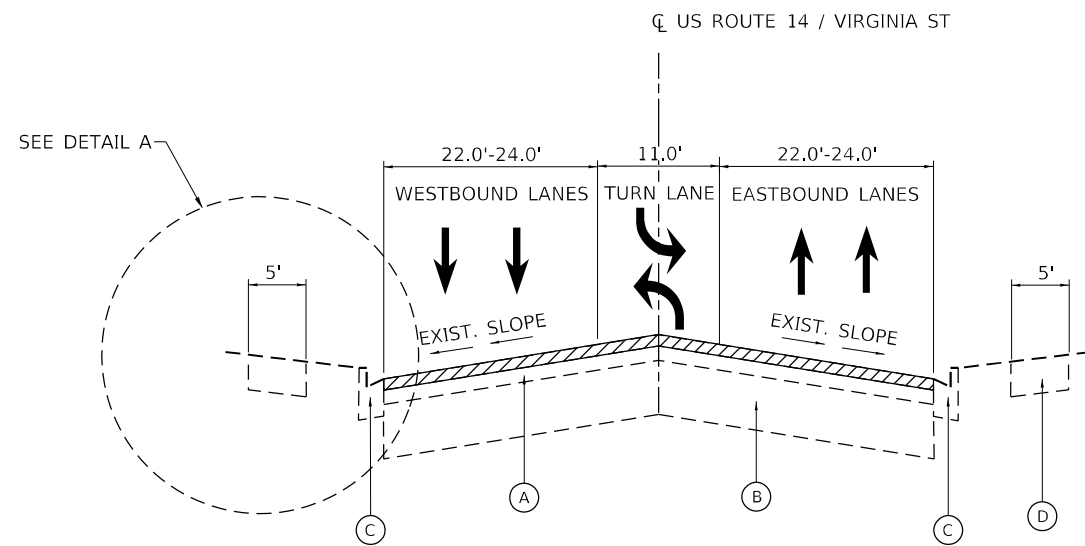
SCALE: SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	

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 SHEET TOTAL: 5  
 CONTRACT NO.: 62N44  
 DATE: 10/18/2021

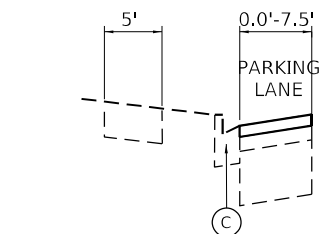
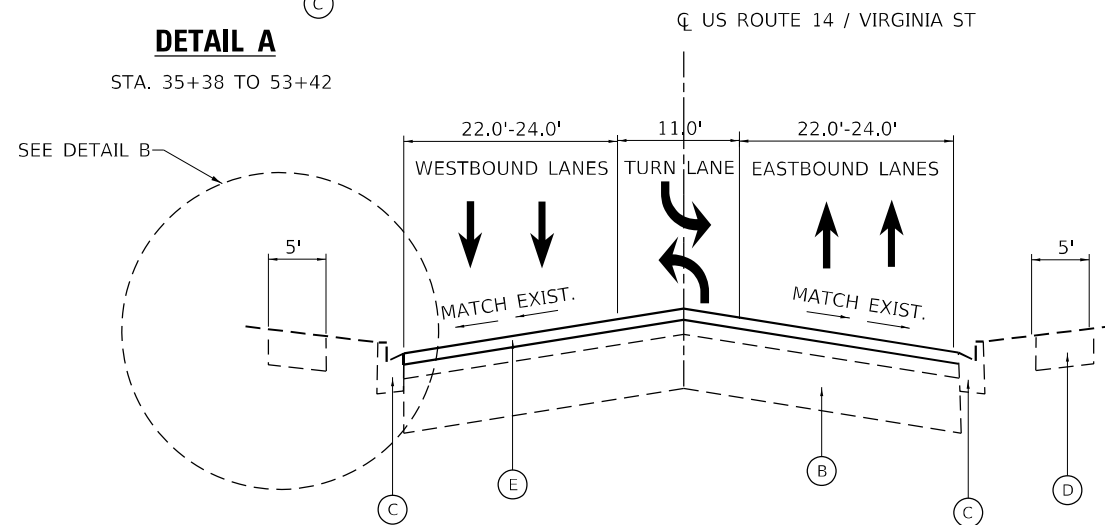


**DETAIL A**

STA. 35+38 TO 53+42

**EXISTING U.S. ROUTE 14**

STA. 14+10 TO STA. 69+17  
 STA. 71+55 TO STA. 79+42  
 STA. 81+02 TO STA. 84+81  
 STA. 90+82 TO STA. 101+14  
 STA. 138+60 TO STA. 141+12



**DETAIL B**

STA. 35+38 TO 53+42

**PROPOSED U.S. ROUTE 14**

STA. 14+10 TO STA. 69+17  
 STA. 71+55 TO STA. 79+42  
 STA. 81+02 TO STA. 84+81  
 STA. 90+82 TO STA. 101+14  
 STA. 138+60 TO STA. 141+12

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

OPERATIONS	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80; 1 3/4"	3.5% @ 80 GYR.	PFP
PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

**NOTES**

1. THE UNIT WEIGHT TO BE USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
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 RECLAIMED MATERIALS SPECIFICATIONS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER MILLED SURFACE.
4. CONTRACTOR SHALL PATCH BEFORE MILLING.

**LEGEND**

- (A) EXISTING HMA PAVEMENT (3 1/2" - 4")
- (B) EXISTING PCC PAVEMENT (9")
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING SIDEWALK
- (E) PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- 1 3/4" HMA SURFACE REMOVAL

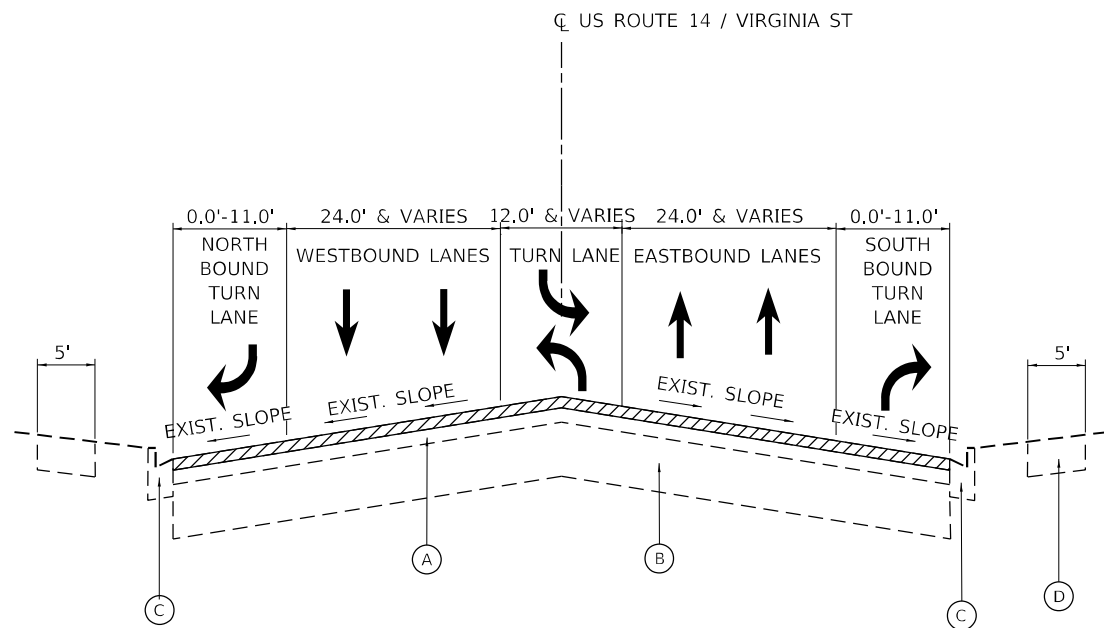


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

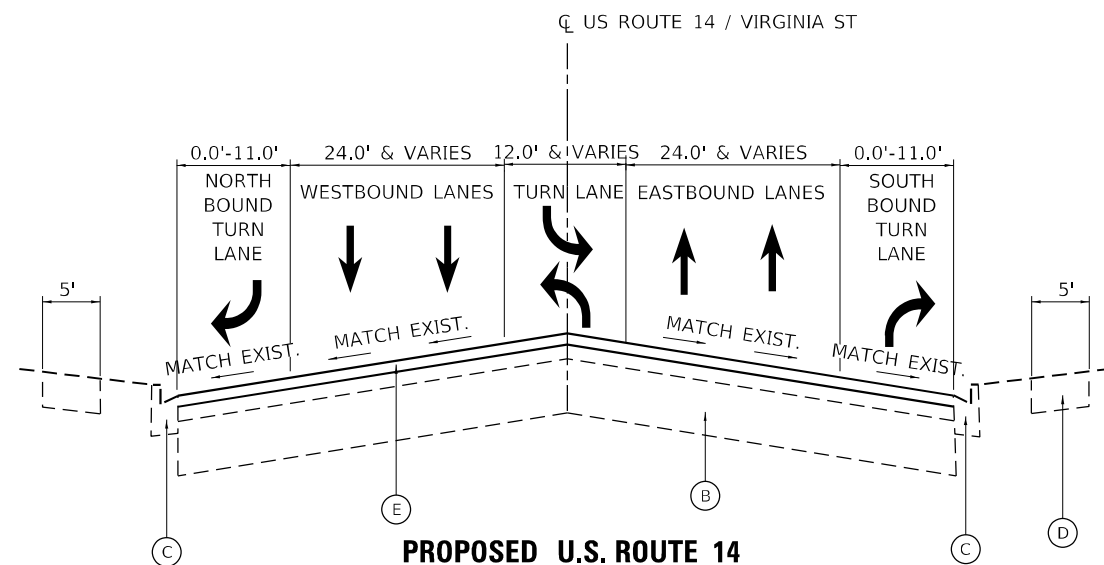
<b>TYPICAL SECTIONS</b>	
<b>US ROUTE 14 (NORTHWEST HIGHWAY)/VIRGINIA STREET</b>	
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	5
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				



**EXISTING U.S. ROUTE 14**

STA. 69+17 TO STA. 71+55  
 STA. 84+81 TO STA 90+82  
 STA. 101+14 TO STA 105+62  
 STA. 122+15 TO STA 138+60  
 STA. 141+12 TO STA 172+37



**PROPOSED U.S. ROUTE 14**

STA. 69+17 TO STA. 71+55  
 STA. 84+81 TO STA 90+82  
 STA. 101+14 TO STA 105+62  
 STA. 122+15 TO STA 138+60  
 STA. 141+12 TO STA 172+37

**NOTES**

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER MILLED SURFACE.
2. CONTRACTOR SHALL PATCH BEFORE MILLING.

**LEGEND**

- (A) EXISTING HMA PAVEMENT (3½" - 4")
- (B) EXISTING PCC PAVEMENT (9")
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING SIDEWALK
- (E) PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
- ▨ 1¾" HMA SURFACE REMOVAL

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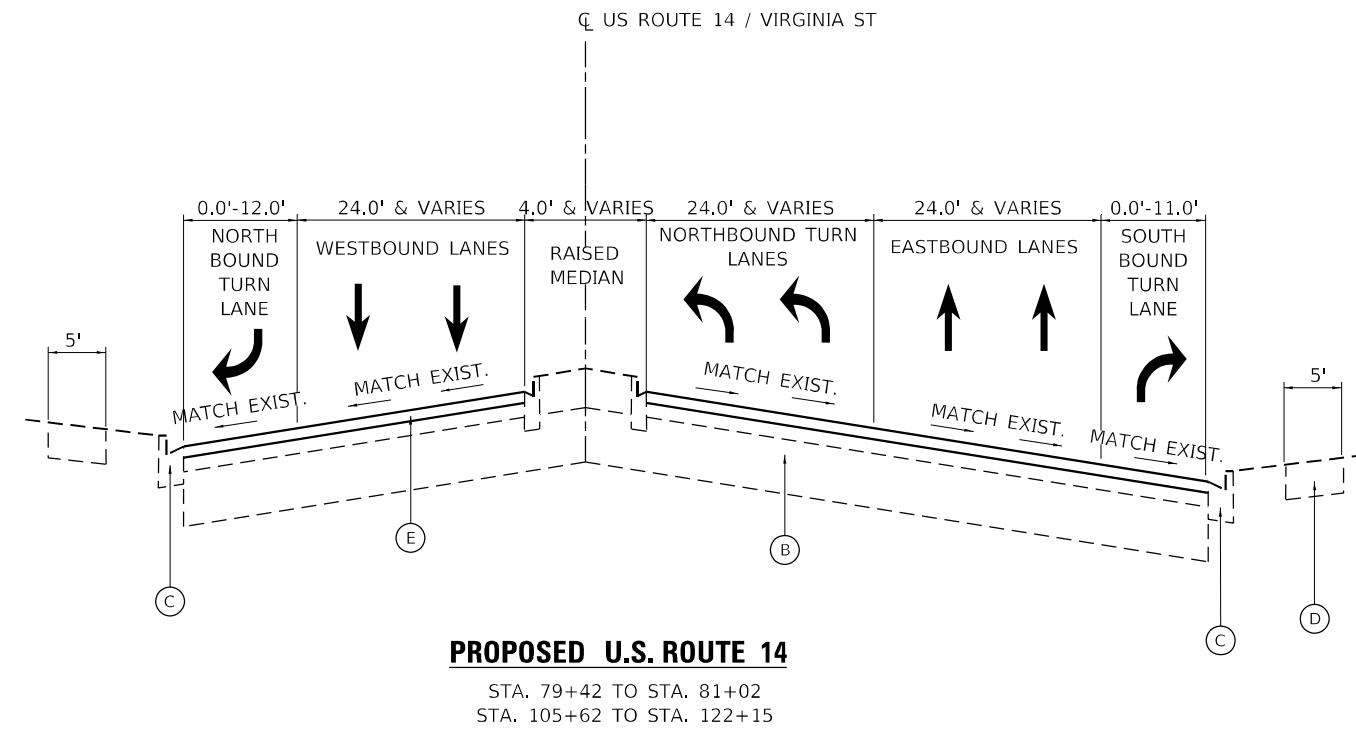
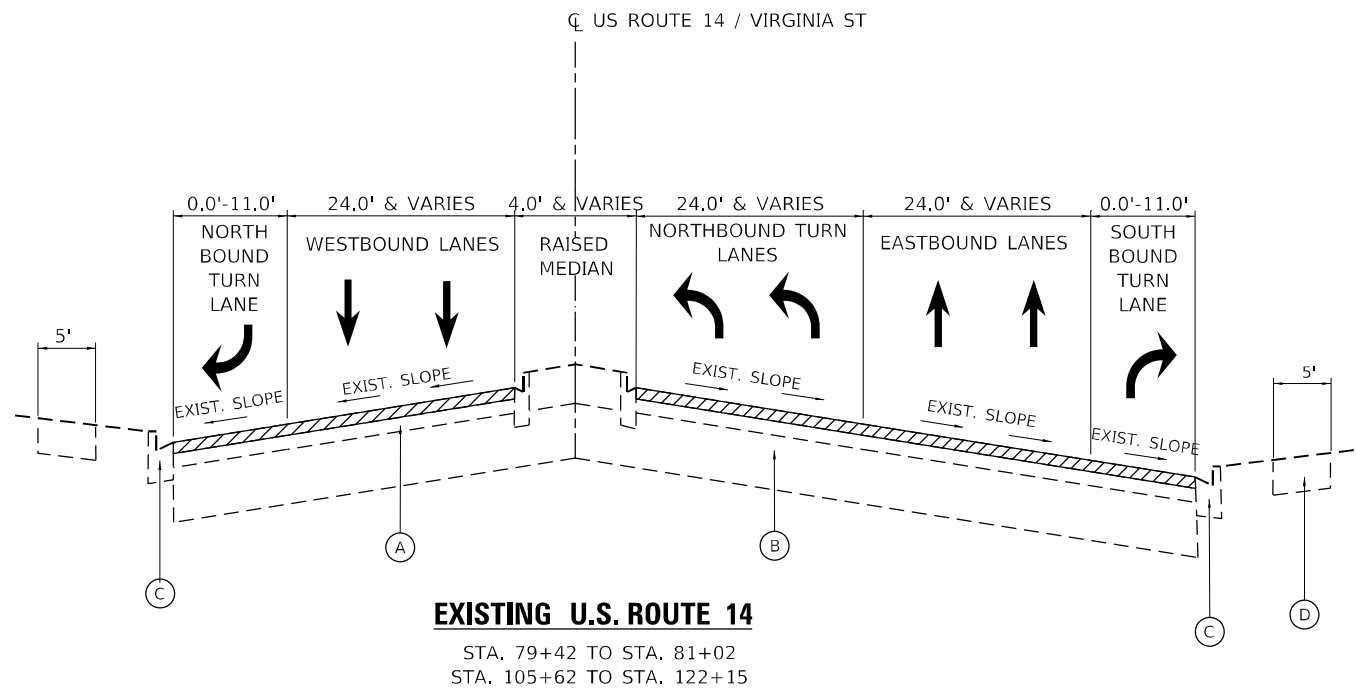


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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

<b>TYPICAL SECTIONS</b>	
<b>US ROUTE 14 (NORTHWEST HIGHWAY)/VIRGINIA STREET</b>	
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	6
CONTRACT NO. 62N44				
ILLINOIS		FED. AID PROJECT		



**NOTES**

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER MILLED SURFACE.
2. CONTRACTOR SHALL PATCH BEFORE MILLING.

**LEGEND**

- (A) EXISTING HMA PAVEMENT (3½" - 4")
- (B) EXISTING PCC PAVEMENT (9")
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING SIDEWALK
- (E) PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
- ▨ 1¾" HMA SURFACE REMOVAL

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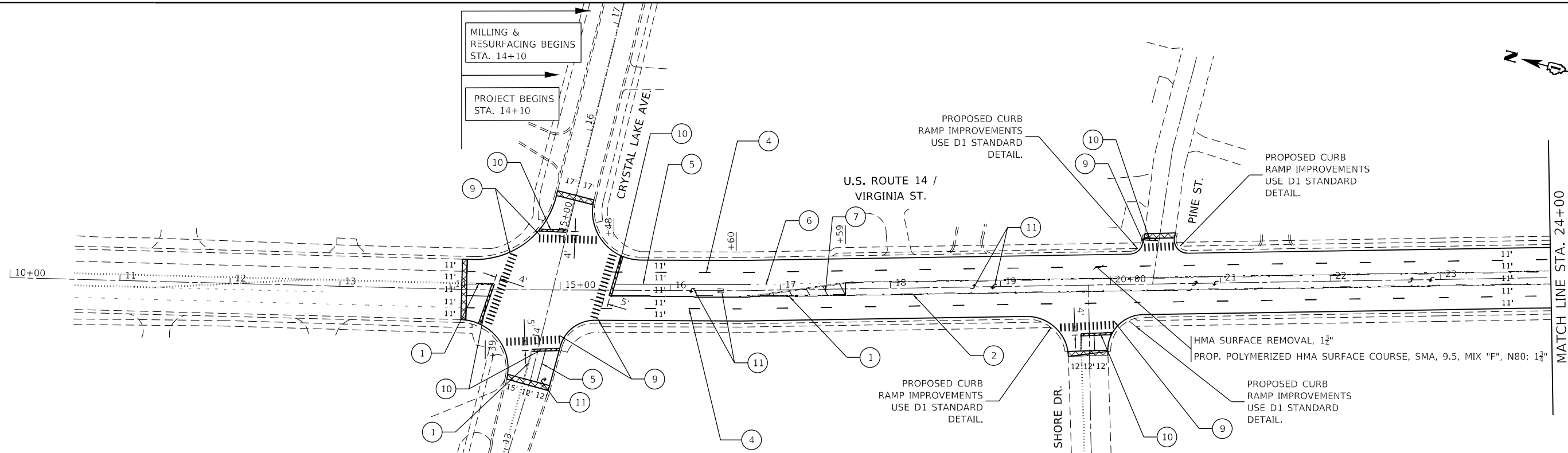


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>	
<b>US ROUTE 14 (NORTHWEST HIGHWAY)/VIRGINIA STREET</b>	
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	7
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				

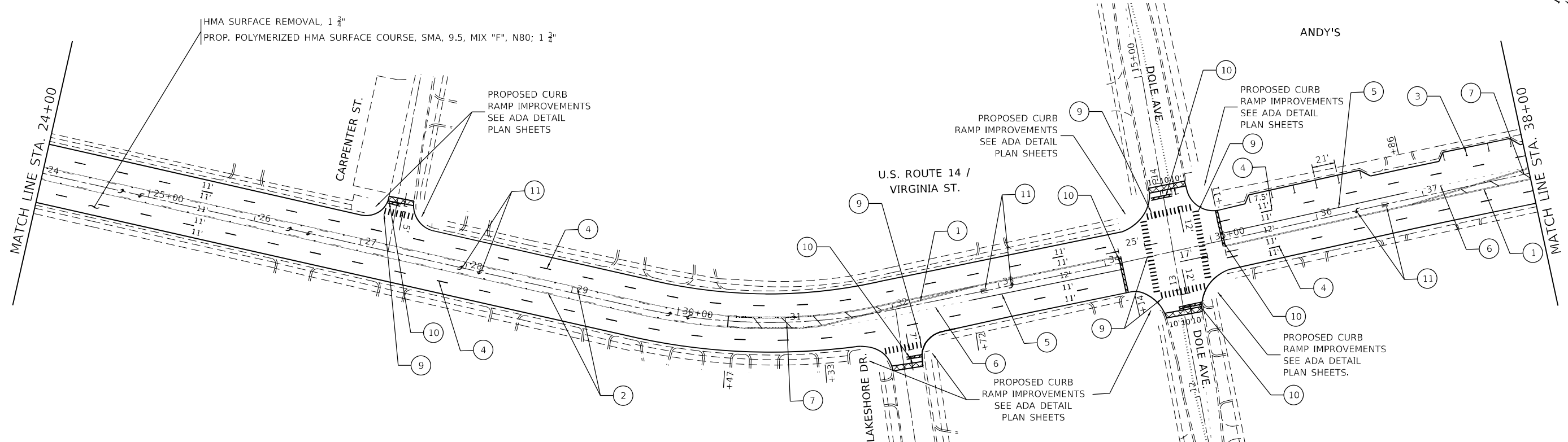


**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
  - ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5 1/2" C-C, 10' DASH - 30' SKIP
  - ③ THPL PAVT MK LINE 4", SOLID WHITE LINE
  - ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LINE, 10' DASH - 30' SKIP
  - ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
  - ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
  - ⑦ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM)
  - ⑧ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45° @ 10' MAX. SPACING
  - ⑨ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
  - ⑩ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
  - ⑪ THPL PAVT MK, LETTERS AND SYMBOLS
  - ⑫ THPL PAVT MK LINE 8", SOLID WHITE LINE
  - ⑬ THPL PAVT MK LINE 4", SOLID YELLOW LINE
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

**NOTES:**

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11, "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.



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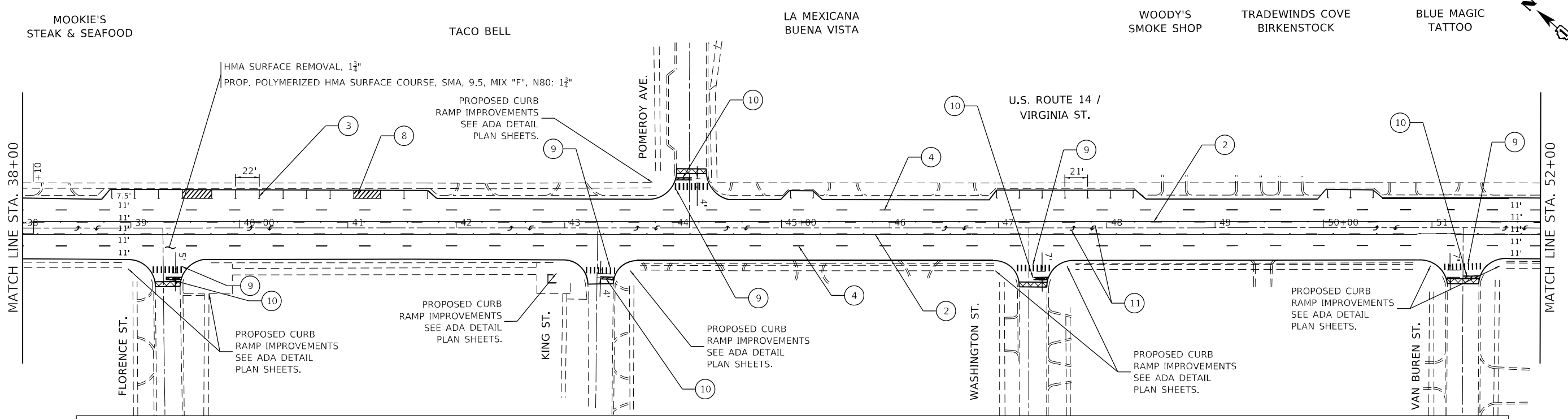
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US ROUTE 14 / VIRGINIA STREET (CRYSTAL LAKE AVE. TO PINGREE RD.)**  
 SCALE: 1" = 50'    SHEET 1 OF 6 SHEETS    STA. 10+00 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHENRY	57	8
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	



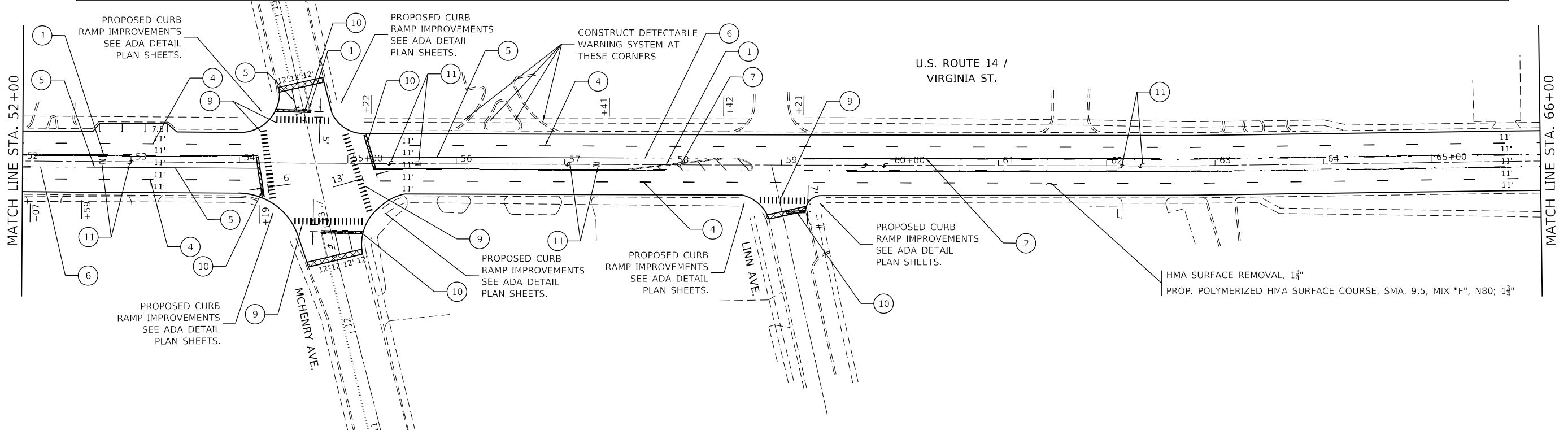


**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
  - ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5 1/2" C-C, 10' DASH - 30' SKIP
  - ③ THPL PAVT MK LINE 4", SOLID WHITE LINE
  - ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LINE, 10' DASH - 30' SKIP
  - ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
  - ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
  - ⑦ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM)
  - ⑧ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45° @ 10' MAX. SPACING
  - ⑨ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
  - ⑩ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
  - ⑪ THPL PAVT MK, LETTERS AND SYMBOLS
  - ⑫ THPL PAVT MK LINE 8", SOLID WHITE LINE
  - ⑬ THPL PAVT MK LINE 4", SOLID YELLOW LINE
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

**NOTES:**

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA.
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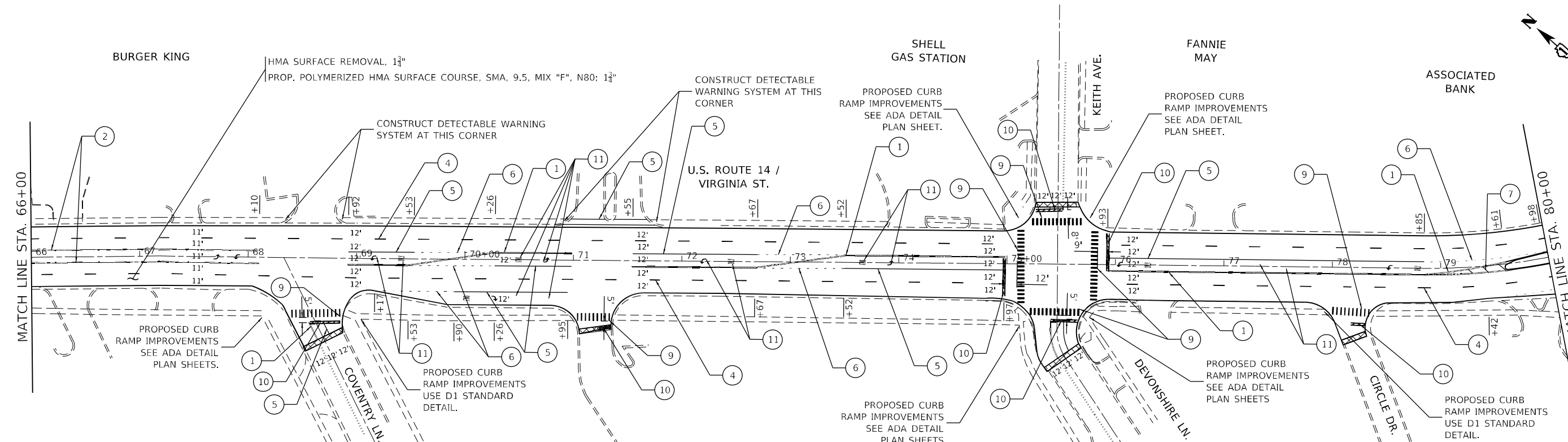


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY AND PAVEMENT MARKING PLAN</b> <b>US ROUTE 14 / VIRGINIA STREET (CRYSTAL LAKE AVE. TO PINGREE RD.)</b>	
SCALE: 1" = 50'	SHEET 2 OF 6 SHEETS
STA. 38+00	TO STA. 66+00

F.A.P. RTE. 305	SECTION 2021-021-R5	COUNTY MCHENRY	TOTAL SHEETS 57	SHEET NO. 9
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	

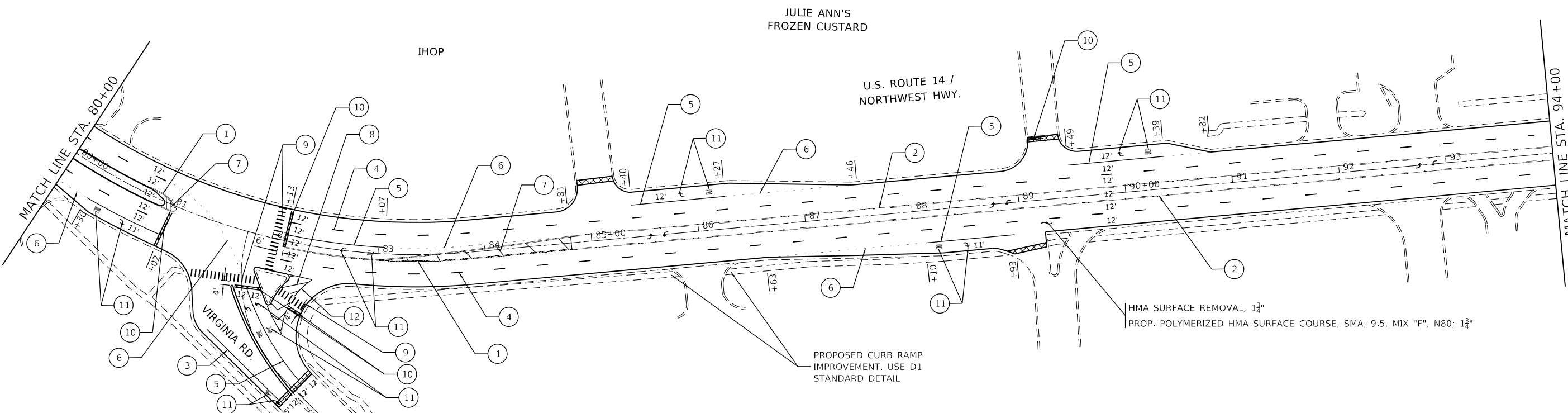


**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP
- ③ THPL PAVT MK LINE 4", SOLID WHITE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑦ HMA SURFACE REMOVAL BUTT JOINT, 4.5'
- ⑧ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM)
- ⑨ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45° @ 10' MAX. SPACING
- ⑩ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
- ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑫ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑬ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑭ THPL PAVT MK LINE 4", SOLID YELLOW LINE

**NOTES:**

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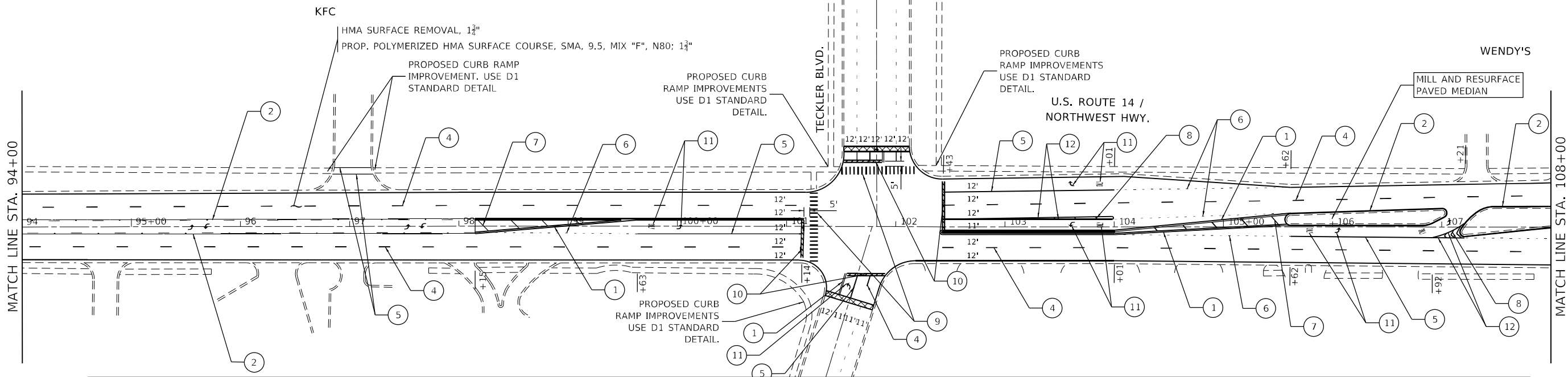
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
US ROUTE 14 / VIRGINIA STREET (CRYSTAL LAKE AVE. TO PINGREE RD.)**

SCALE: 1" = 50'    SHEET 3 OF 6 SHEETS    STA. 66+00 TO STA. 94+00

F.A.P. RTE. 305	SECTION 2021-021-R5	COUNTY MCHENRY	TOTAL SHEETS 57	SHEET NO. 10
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

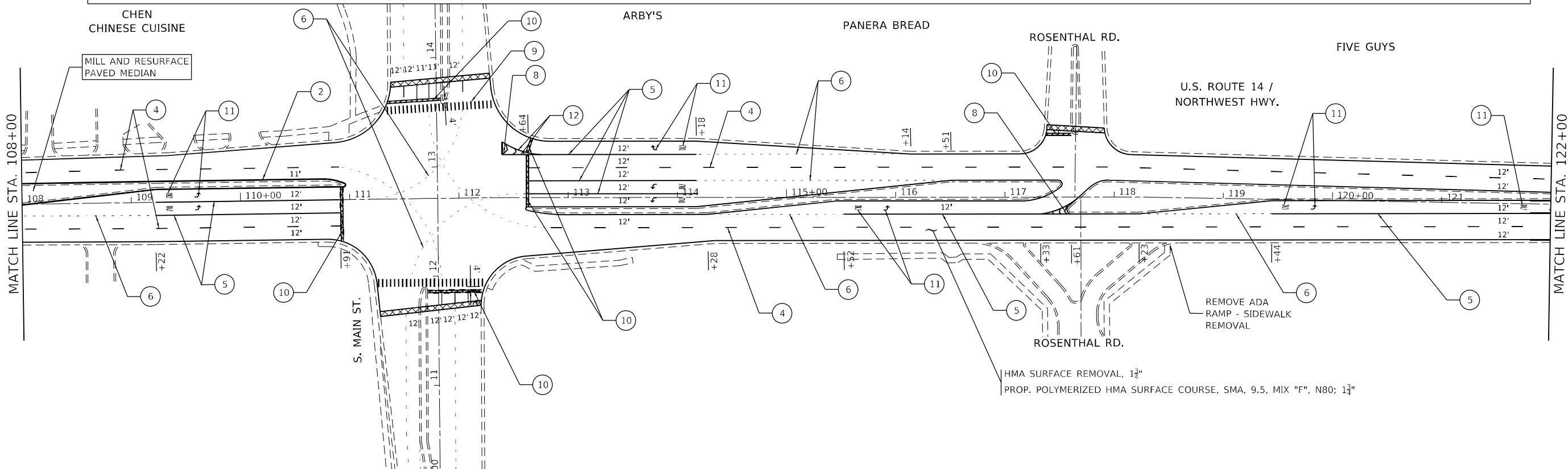


**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
  - ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5 1/2" C-C, 10' DASH - 30' SKIP
  - ③ THPL PAVT MK LINE 4", SOLID WHITE LINE
  - ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LINE, 10' DASH - 30' SKIP
  - ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
  - ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
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  - ⑧ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45° @ 10' MAX. SPACING
  - ⑨ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
  - ⑩ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
  - ⑪ THPL PAVT MK, LETTERS AND SYMBOLS
  - ⑫ THPL PAVT MK LINE 8", SOLID WHITE LINE
  - ⑬ THPL PAVT MK LINE 4", SOLID YELLOW LINE
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

**NOTES:**

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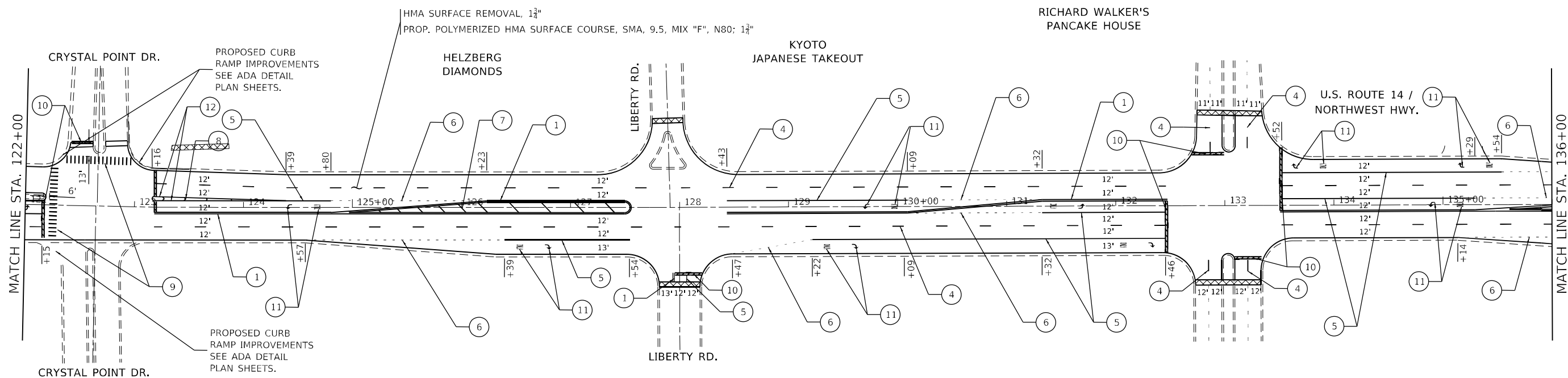


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US ROUTE 14 / VIRGINIA STREET (CRYSTAL LAKE AVE. TO PINGREE RD.)**  
 SCALE: 1" = 50'    SHEET 4 OF 6 SHEETS    STA. 94+00 TO STA. 122+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	11
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	



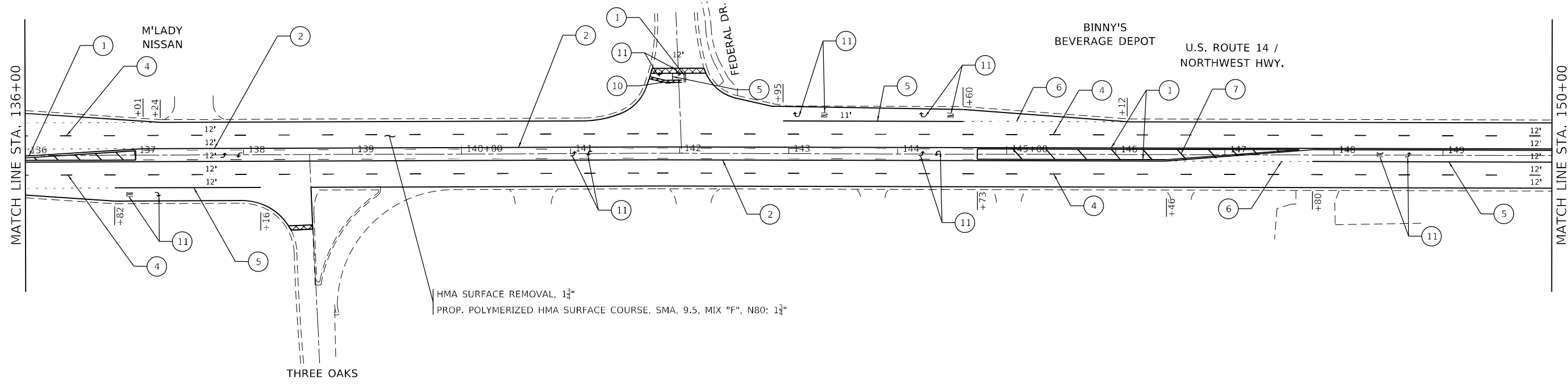
**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP
- ③ THPL PAVT MK LINE 4", SOLID WHITE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑦ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM)
- ⑧ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45° @ 10' MAX. SPACING
- ⑨ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
- ⑩ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑪ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑫ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑬ THPL PAVT MK LINE 4", SOLID YELLOW LINE

▨ HMA SURFACE REMOVAL BUTT JOINT, 4.5'

**NOTES:**

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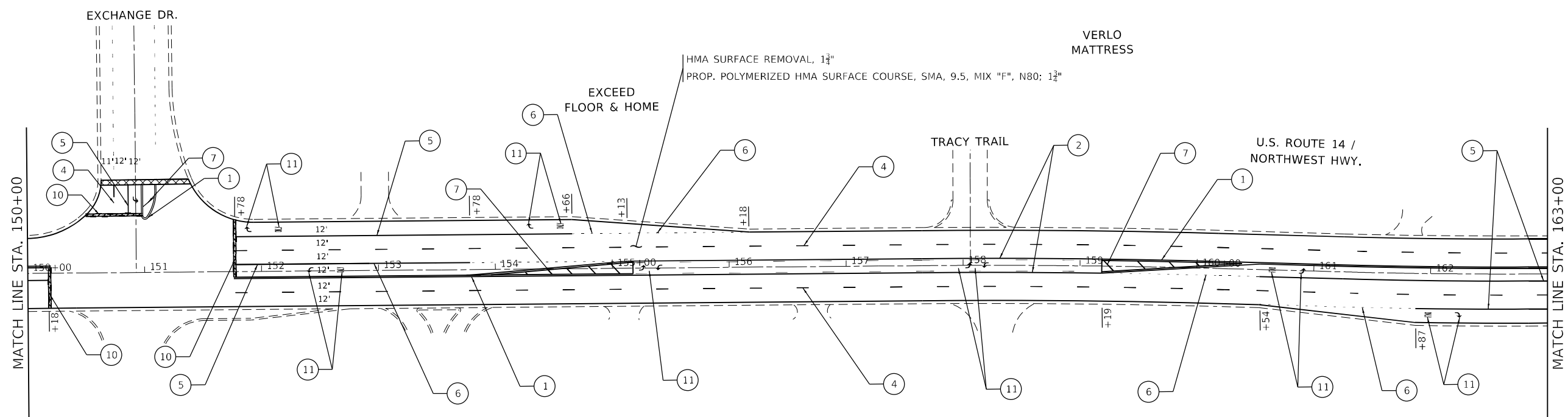


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY AND PAVEMENT MARKING PLAN</b>		
<b>US ROUTE 14 / VIRGINIA STREET (CRYSTAL LAKE AVE. TO PINGREE RD.)</b>		
SCALE: 1" = 50'	SHEET 5 OF 6 SHEETS	STA. 122+00 TO STA. 150+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHEMRY	57	12
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	



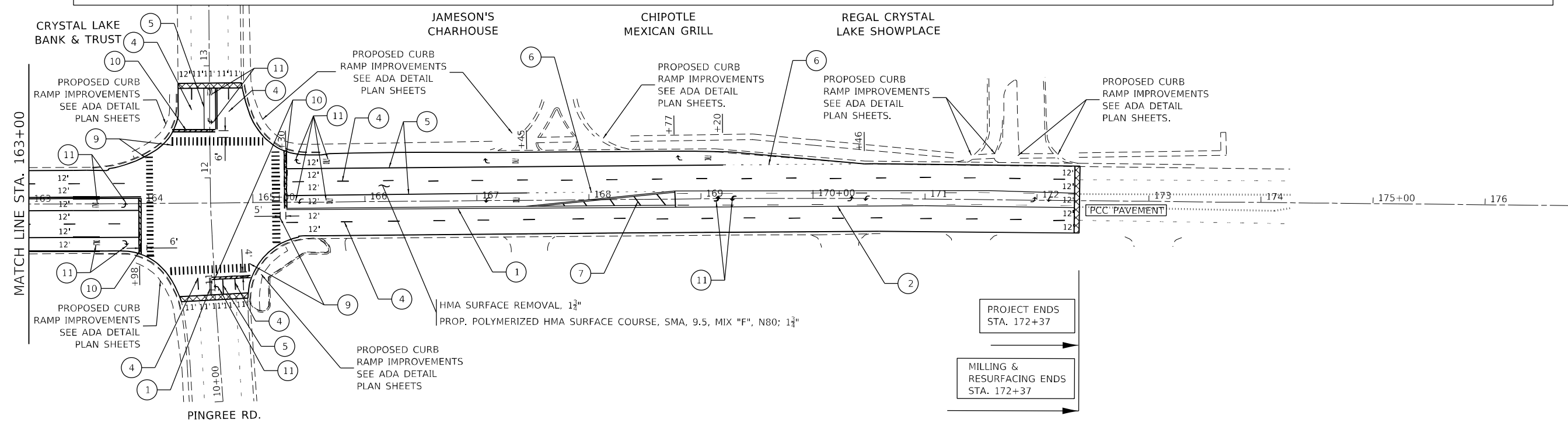
**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5 1/2" C-C, 10' DASH - 30' SKIP
- ③ THPL PAVT MK LINE 4", SOLID WHITE LINE
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- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
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- ⑦ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM)
- ⑧ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45° @ 10' MAX. SPACING
- ⑨ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
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- ⑪ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑫ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑬ THPL PAVT MK LINE 4", SOLID YELLOW LINE

HMA SURFACE REMOVAL BUTT JOINT, 4.5'

**NOTES:**

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11, "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.



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 USER: joshua



USER NAME = JSUSERS	DESIGNED - SSM	REVISED -
DRAWN - KLN	REVISED -	
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

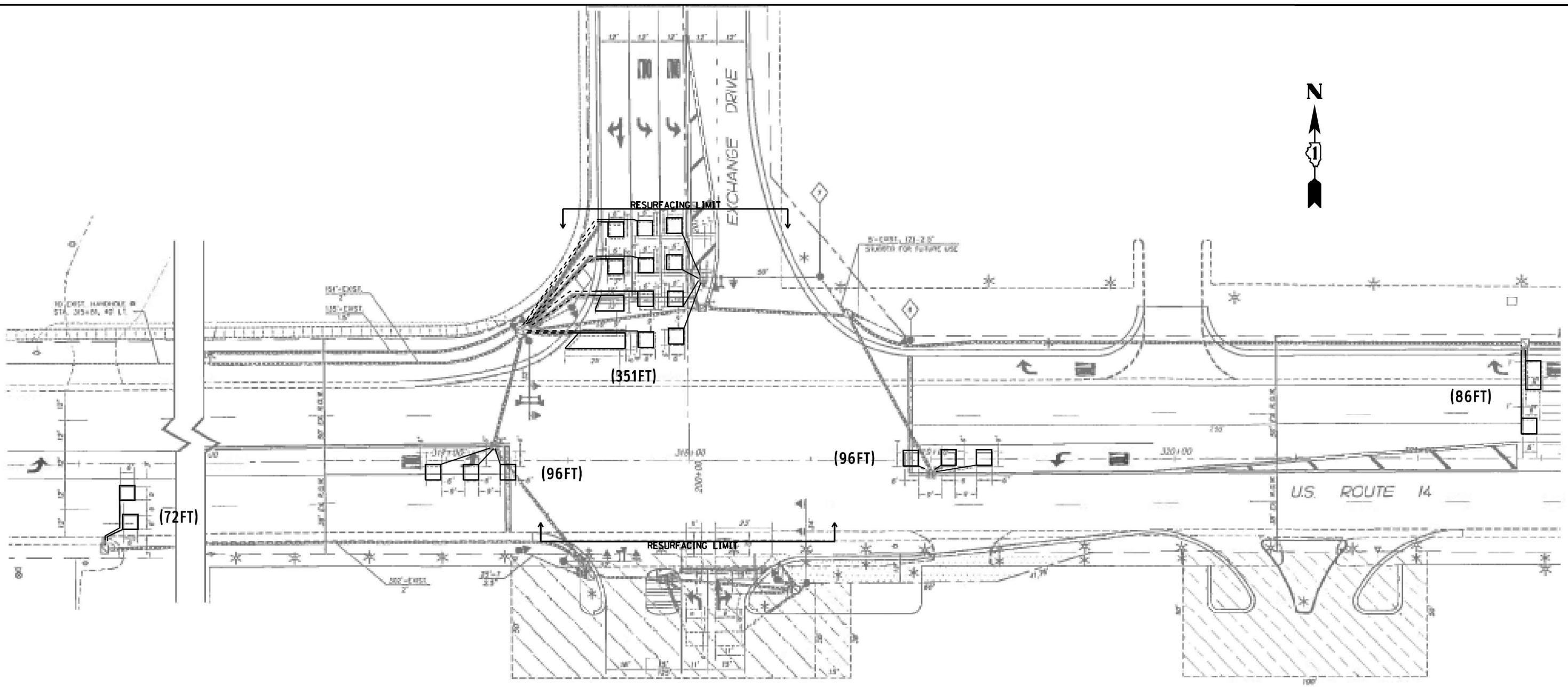
**ROADWAY AND PAVEMENT MARKING PLAN  
US ROUTE 14 / VIRGINIA STREET (CRYSTAL LAKE AVE. TO PINGREE RD.)**

SCALE: 1" = 50'    SHEET 6 OF 6 SHEETS    STA. 150+00 TO STA. 172+37

F.A.P. RTE. 305	SECTION 2021-021-R5	COUNTY MCHENRY	TOTAL SHEETS 57	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	



MODEL: Default  
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**NOTES:**

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	701	FOOT

**TS#22544**

USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40,0000 * / ft.	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 6/2/2021	DATE - 05/14/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
US 14 AT EXCHANGE DR.**

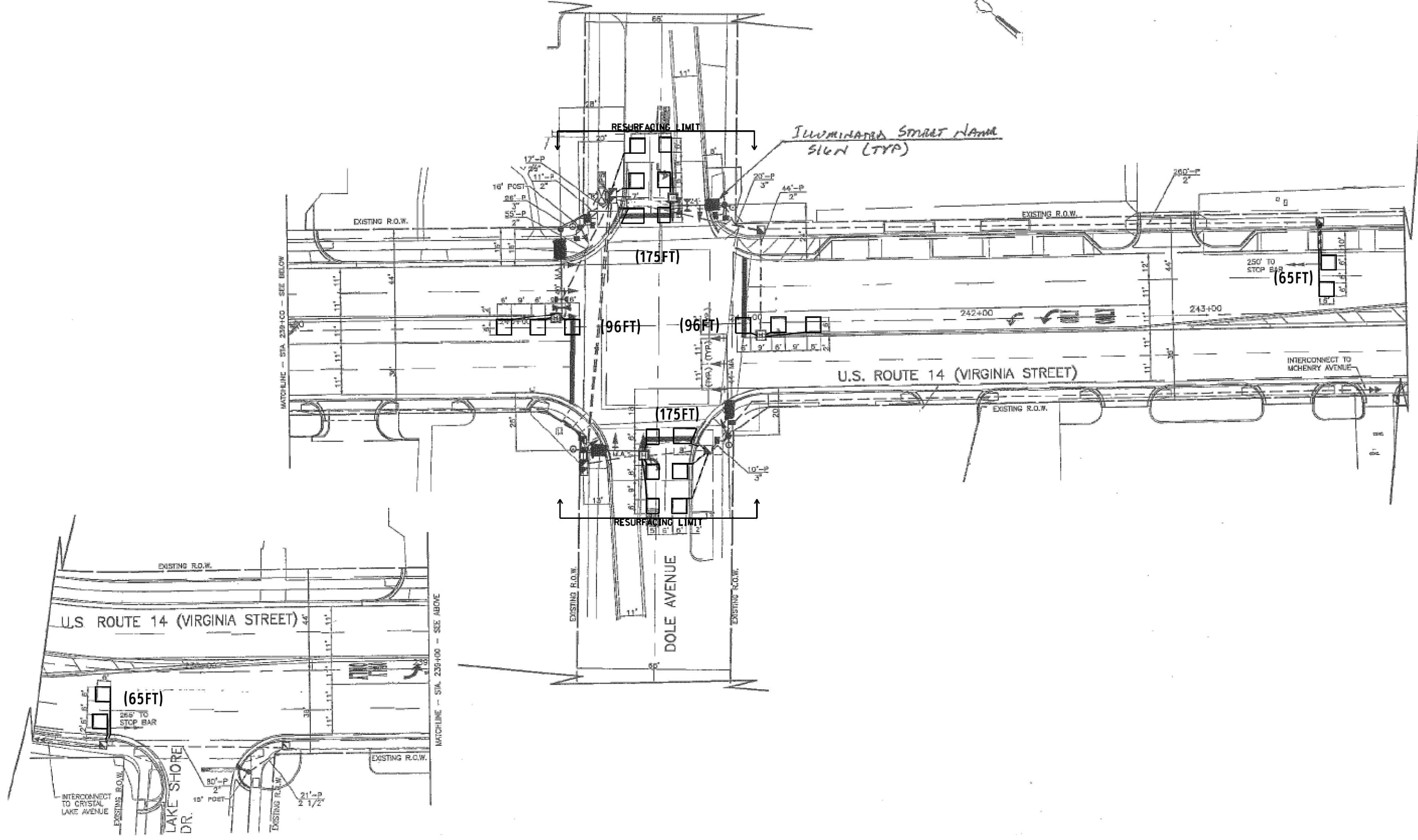
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-022-R5	MCHENRY	57	15
			CONTRACT NO. 62N44	
		ILLINOIS FED. AID PROJECT		





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 USER: mezag  
 DATE: 6/2/2021



**NOTES:**

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
 (WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	672	FOOT

**TS#11545**

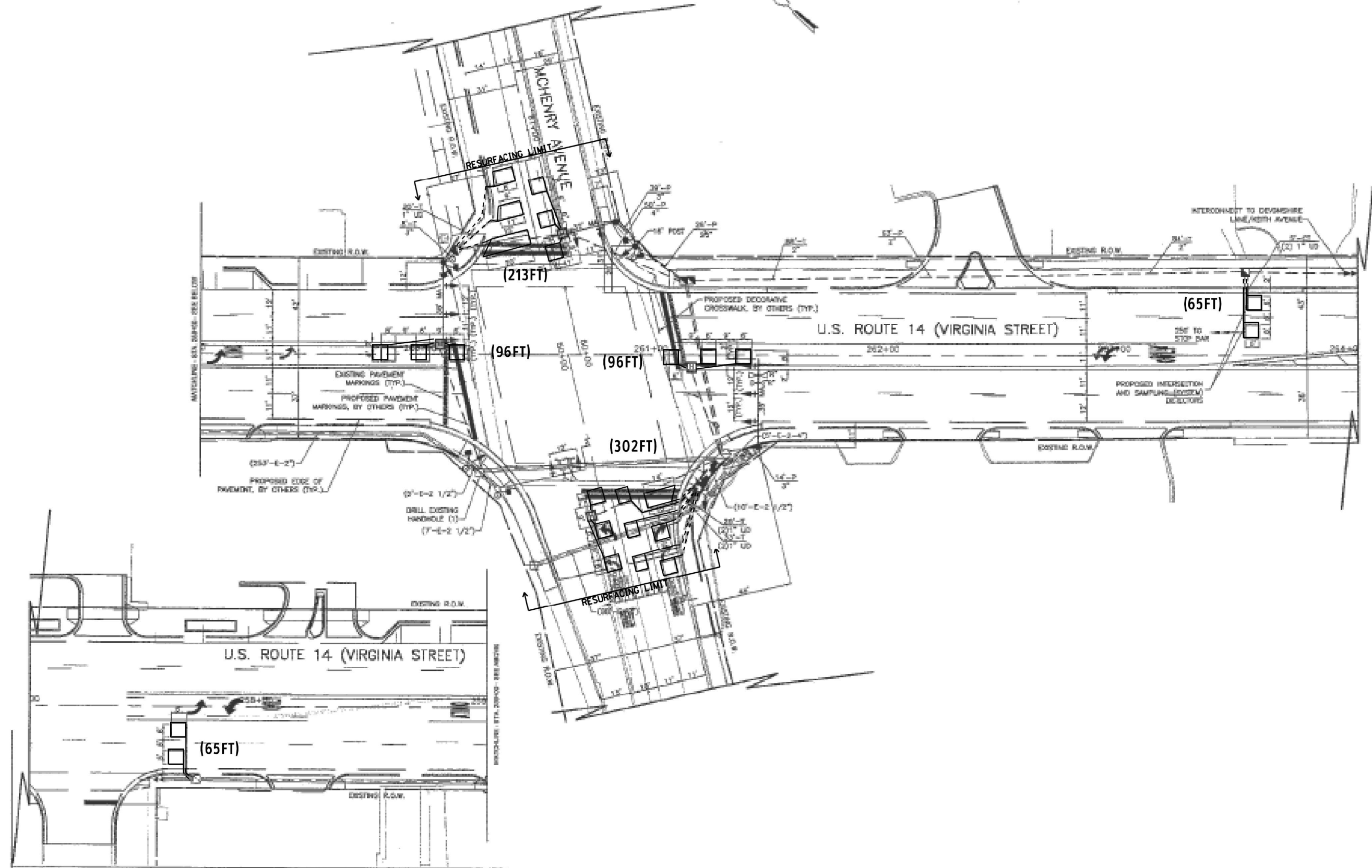
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	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 6/2/2021	DATE - 05/14/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
 US 14 AT DOLE AVE.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-022-R5	MCHENRY	57	17
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



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**NOTES:**

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	837	FOOT

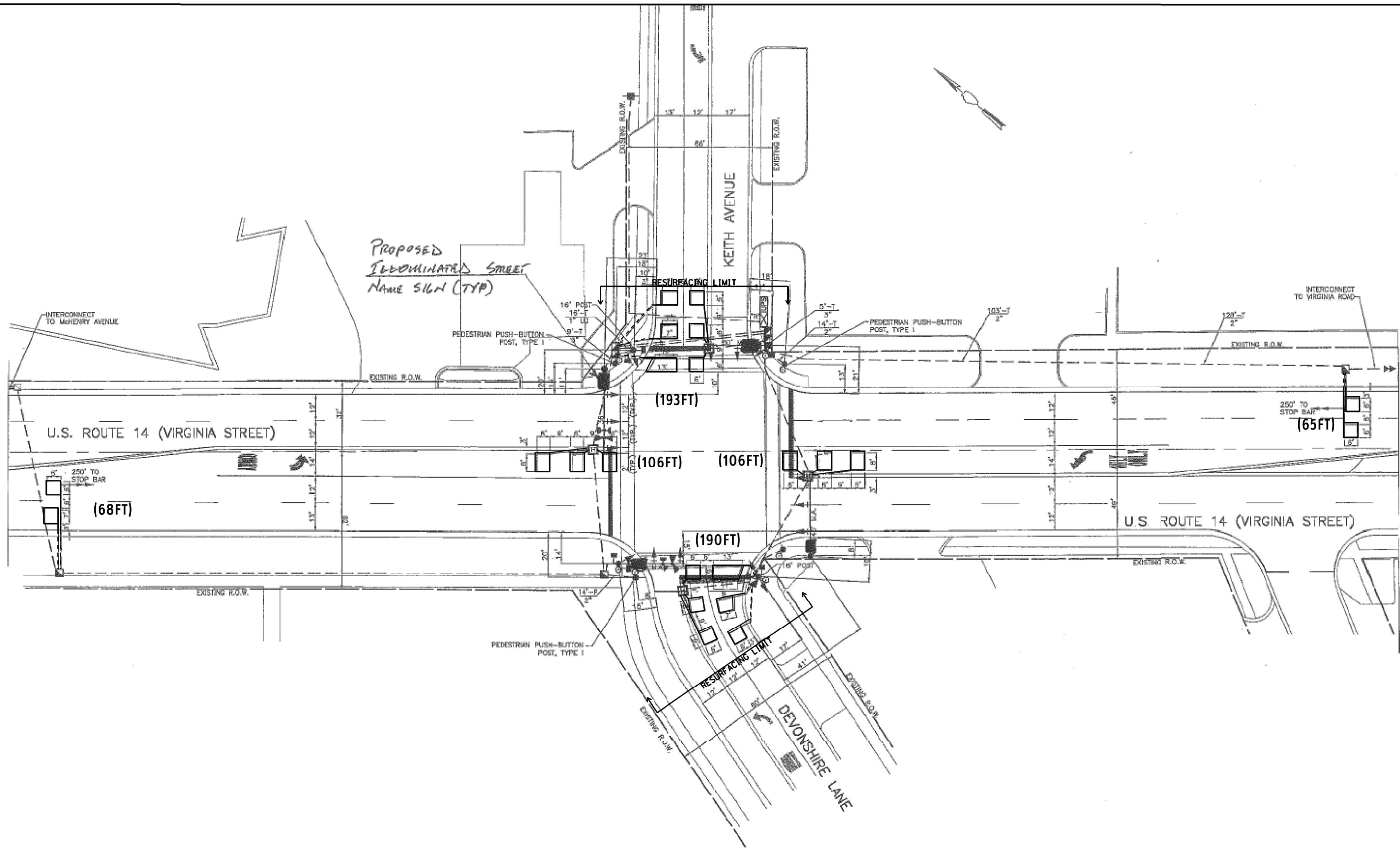
**TS#11540**

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PLOT DATE = 6/2/2021	DATE - 05/14/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
US 14 AT MCHENRY AVE.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-022-R5	MCHENRY	57	18
			CONTRACT NO. 62N44	
		ILLINOIS FED. AID PROJECT		



**NOTES:**

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	728	FOOT

**TS#11535**

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USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40,0000 * / ft.	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 6/2/2021	DATE - 05/14/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
US 14 AT DEVONSHIRE LN.**

SCALE: SHEET OF SHEETS STA. TO STA.

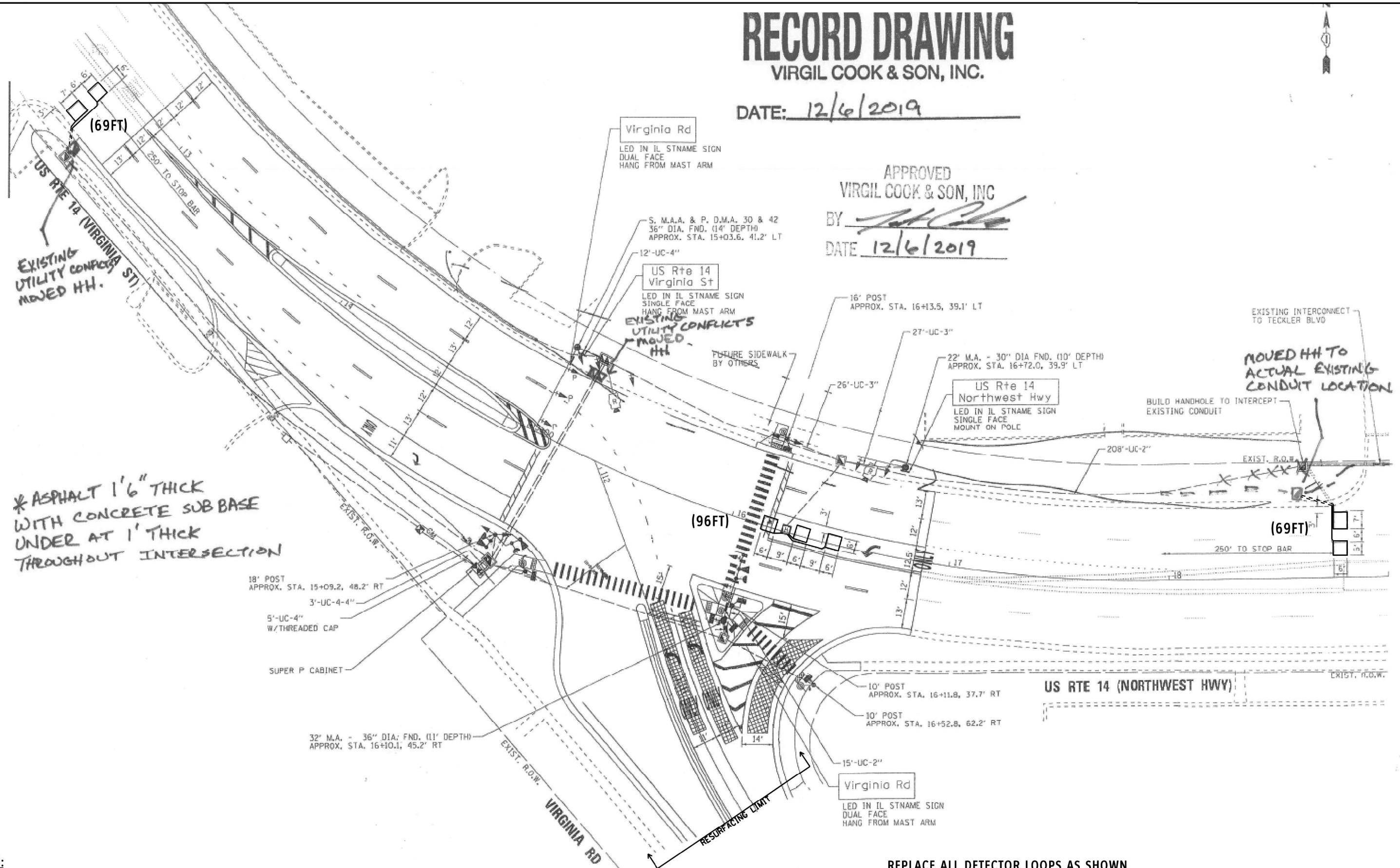
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-022-R5	MCHENRY	57	19
				CONTRACT NO. 62N44
		ILLINOIS	FED. AID PROJECT	

# RECORD DRAWING

VIRGIL COOK & SON, INC.

DATE: 12/6/2019

APPROVED  
 VIRGIL COOK & SON, INC  
 BY [Signature]  
 DATE 12/6/2019



\* ASPHALT 1'6" THICK WITH CONCRETE SUB BASE UNDER AT 1' THICK THROUGHOUT INTERSECTION

**NOTES:**

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	234	FOOT

TS#7265

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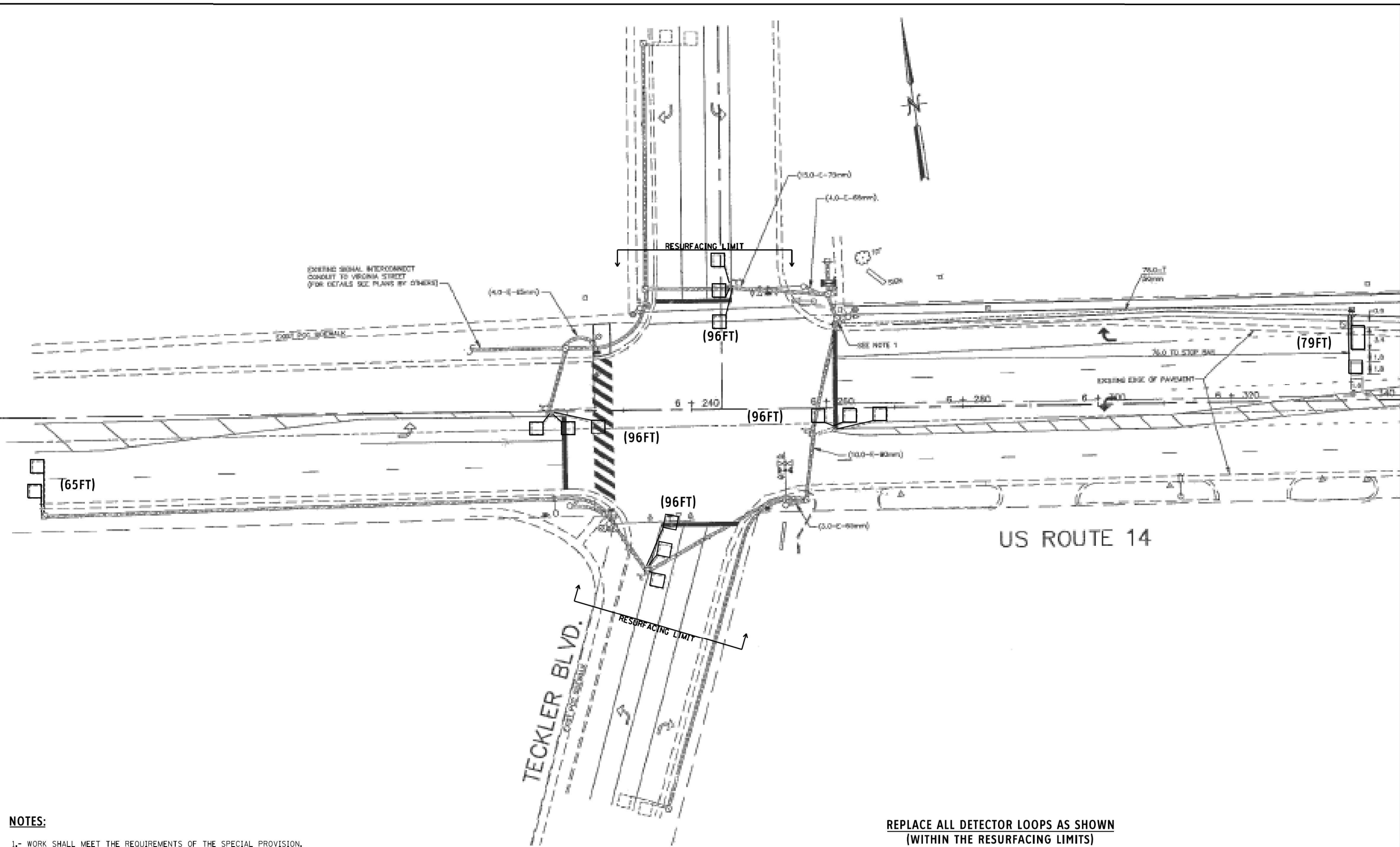
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PLOT DATE = 6/2/2021	DATE - 05/14/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN			
US 14 AT VIRGINIA			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-022-R5	MCHENRY	57	20
			CONTRACT NO. 62N44	
		ILLINOIS	FED. AID PROJECT	

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**NOTES:**

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	528	FOOT

**TS#11530**

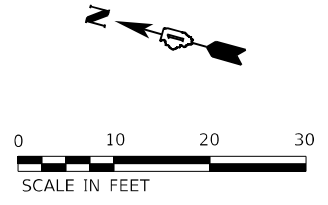
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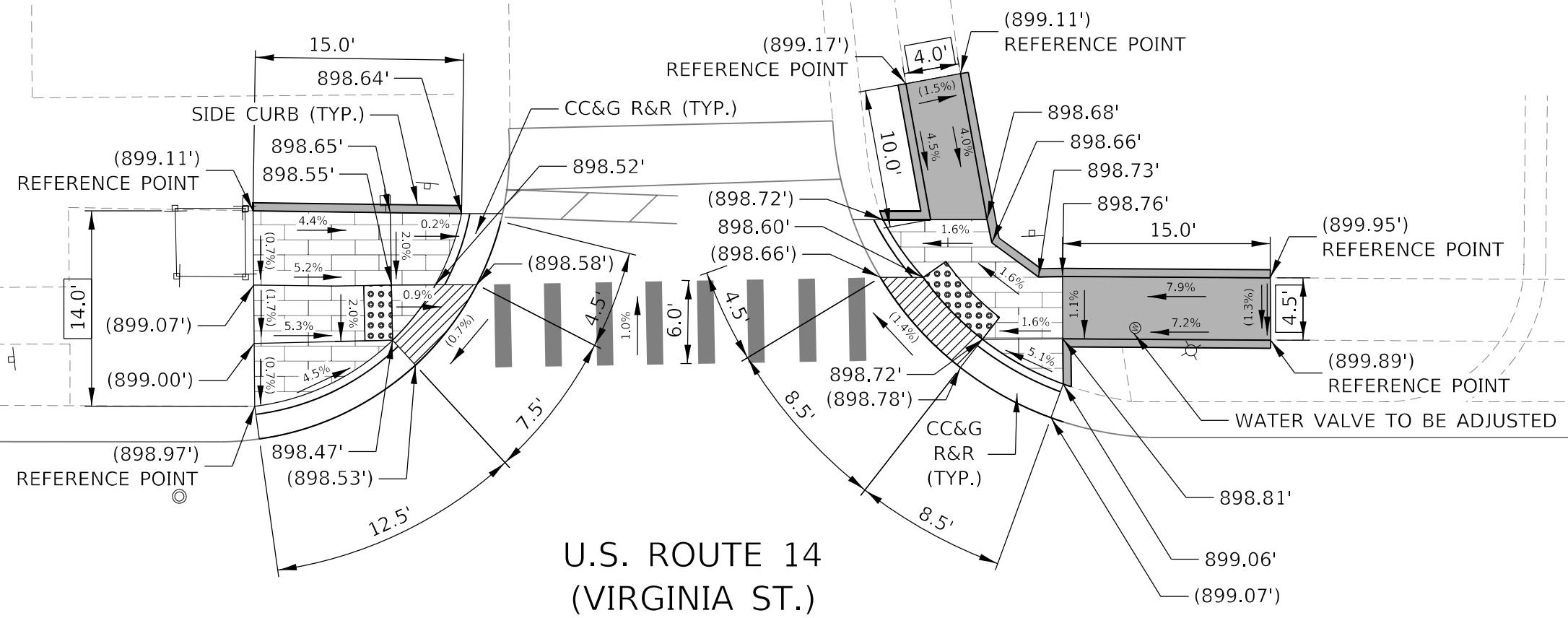









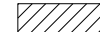






CARPENTER ST.



U.S. ROUTE 14  
(VIRGINIA ST.)

REFERENCE BENCHMARK # 100, ELEV. 899.83  
 LOCATION: NORTHEAST CORNER VIRGINIA ST & CARPENTER ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  ( ) EXISTING ELEVATION/SLOPE
-  XXX.XX' EXISTING LENGTH

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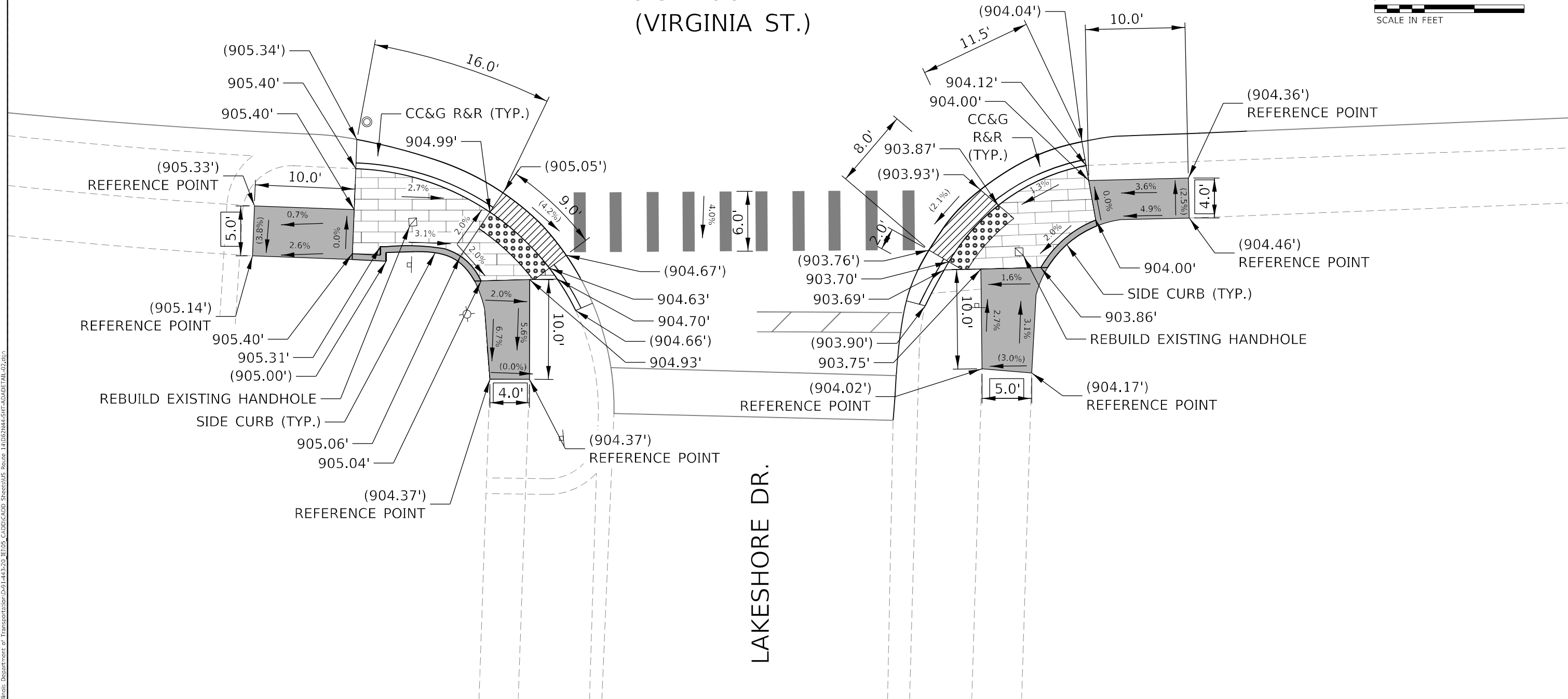
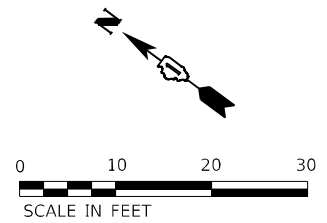
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>ADA CURB RAMP IMPROVEMENT PLAN</b>			
<b>US ROUTE 14 AT CARPENTER ST.</b>			
SCALE: 1" = 10'	SHEET 01 OF 21 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	25
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

# U.S. ROUTE 14 (VIRGINIA ST.)



LAKESHORE DR.

REFERENCE BENCHMARK # 102, ELEV. 904.57  
 LOCATION: LP BASE AT SOUTHEAST CORNER OF VIRGINIA ST & CARPENTER ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

LEGEND	
	PROPOSED DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	PAVEMENT PATCHING
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED PCC SIDEWALK
	PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
( )	EXISTING ELEVATION/SLOPE
XXX.XX'	EXISTING LENGTH



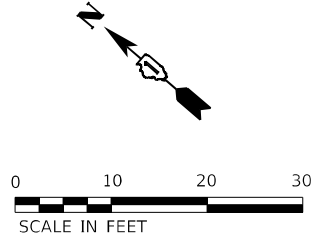
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT LAKESHORE DR.  
SCALE: 1" = 10' SHEET 02 OF 21 SHEETS STA. TO STA.

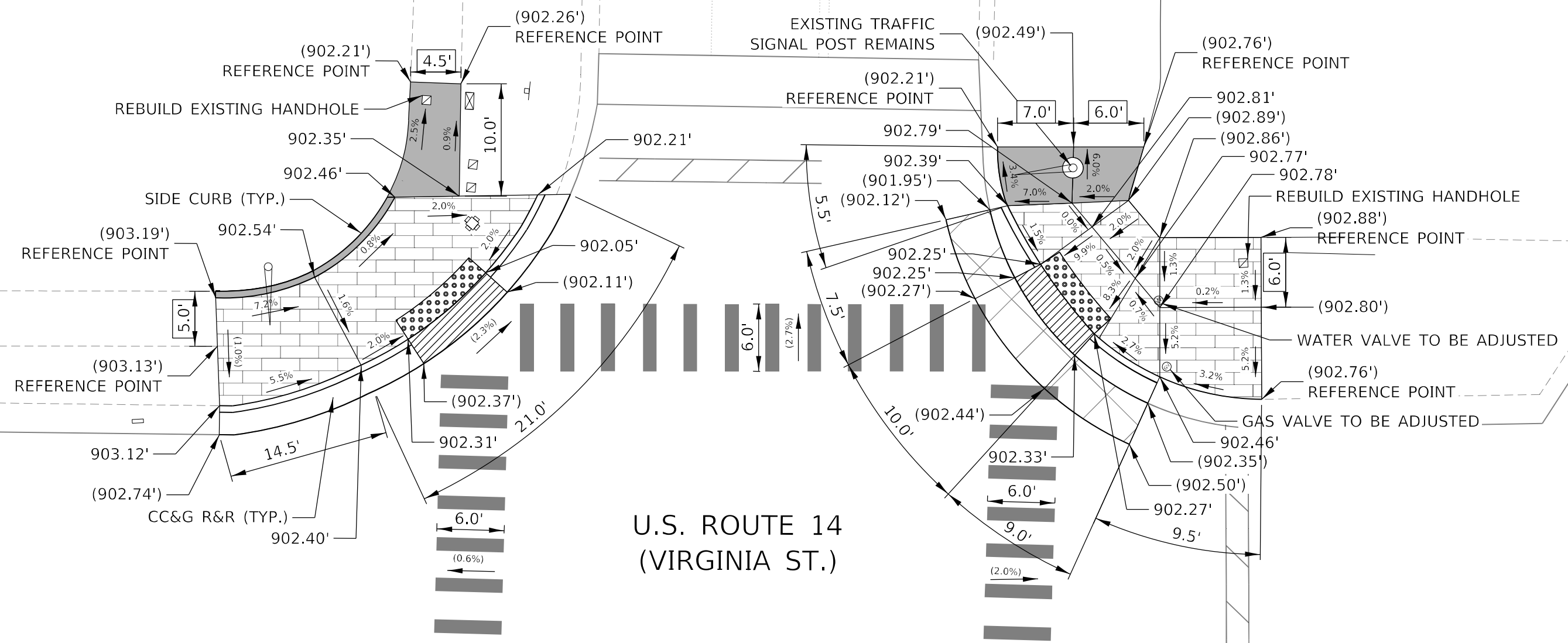
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	26
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

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DOLE AVE.

U.S. ROUTE 14  
(VIRGINIA ST.)



REFERENCE BENCHMARK # 104, ELEV. 902.35  
 LOCATION: NORTHWEST CORNER OF VIRGINIA ST & DOLE AVE  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( / ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH

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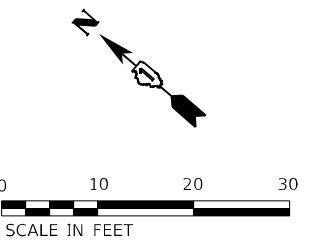


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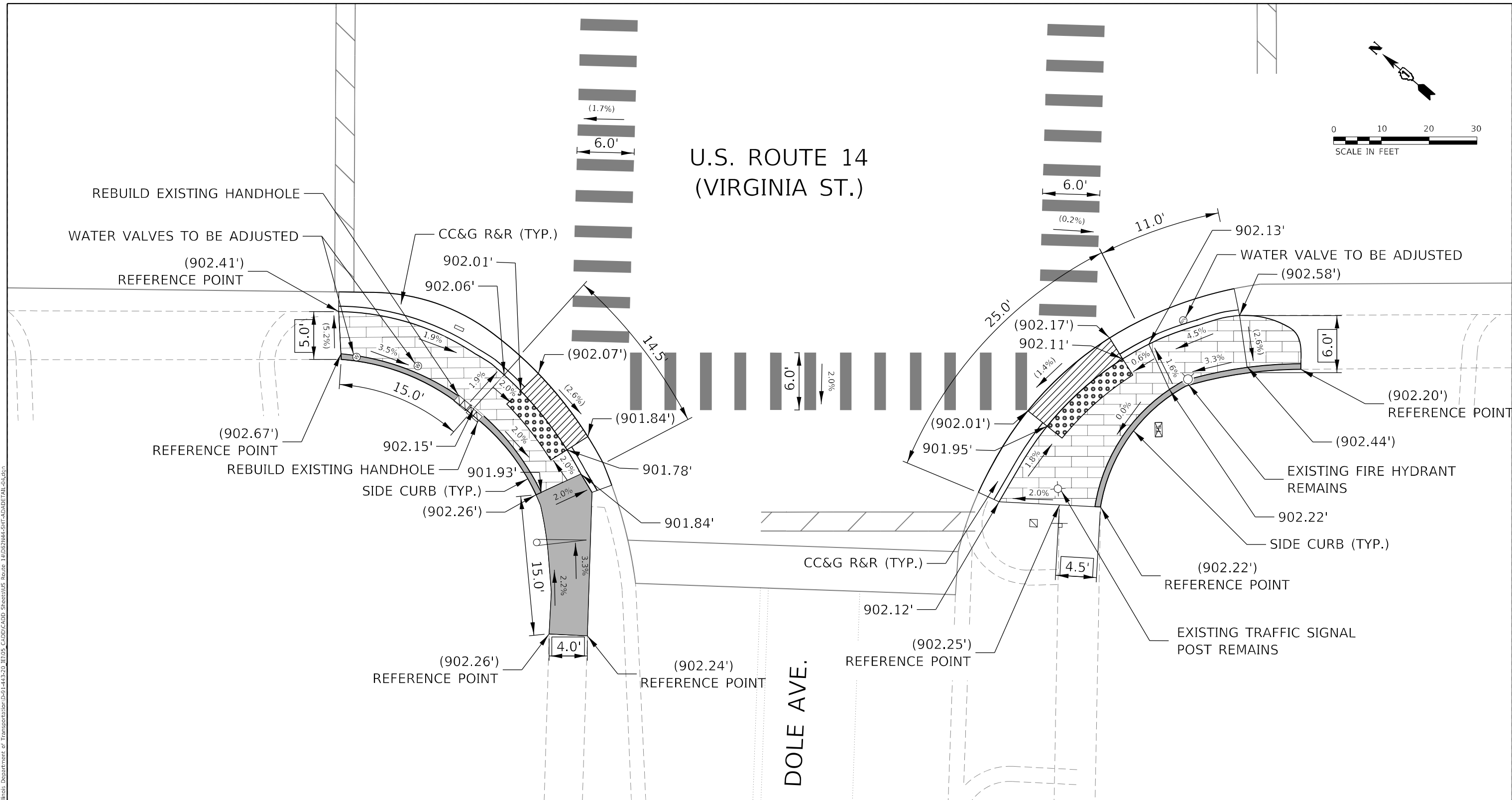
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT DOLE AVENUE.  
SCALE: 1" = 10' SHEET 03 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	27
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	



U.S. ROUTE 14  
(VIRGINIA ST.)



DOLE AVE.

REFERENCE BENCHMARK # 104, ELEV. 902.35  
 LOCATION: NORTHWEST CORNER OF VIRGINIA ST & DOLE AVE  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH



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DRAWN - SSM	REVISED -	
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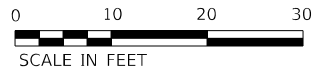
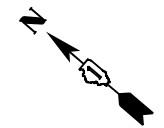
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT DOLE AVE.

SCALE: 1" = 10' SHEET 04 OF 21 SHEETS STA. TO STA.

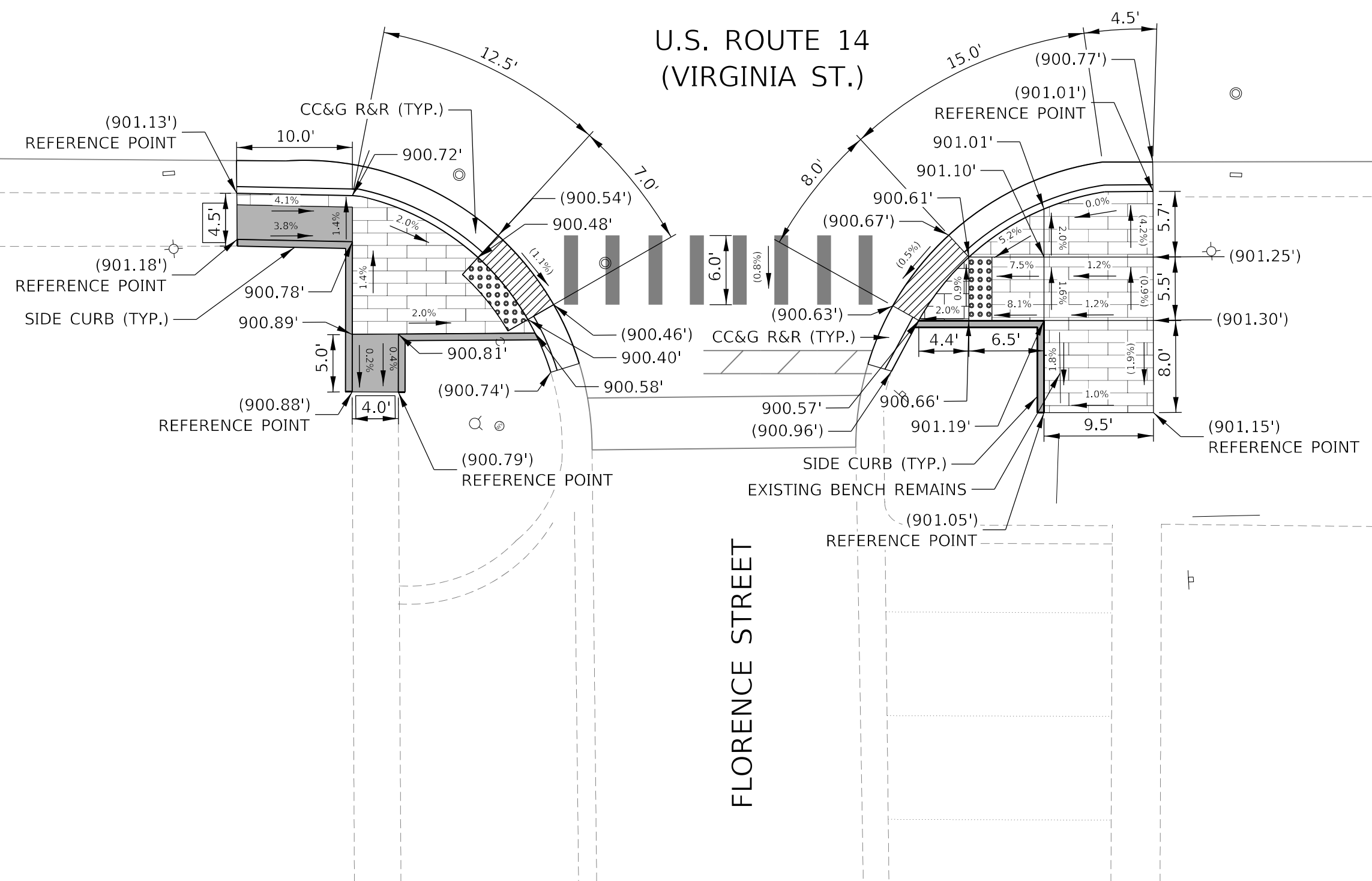
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	28
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

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# U.S. ROUTE 14 (VIRGINIA ST.)

# FLORENCE STREET



REFERENCE BENCHMARK # 106, ELEV. 901.36'  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & FLORENCE ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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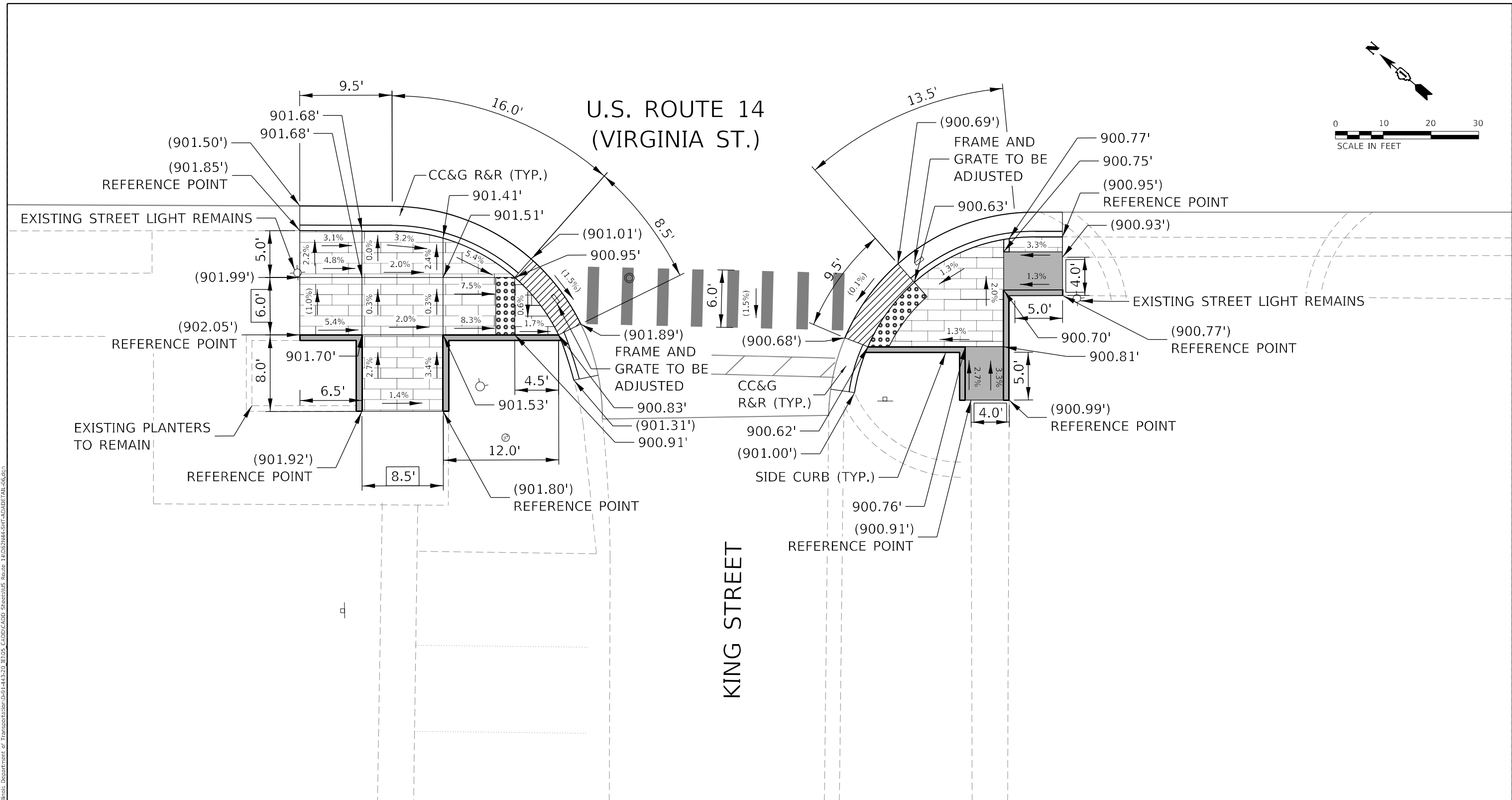
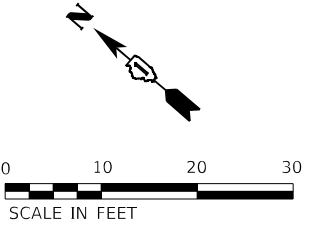
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT FLORENCE ST.**









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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	



REFERENCE BENCHMARK # 108, ELEV. 900.66  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & KING ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  EXISTING ELEVATION/SLOPE
-  EXISTING LENGTH



USER NAME = \$USERS	DESIGNED - KLN	REVISED -
DRAWN - SSM	CHECKED - MM	REVISED -
PLOT SCALE = 10,0000 * / in.	DATE - 10/18/2021	REVISED -
PLOT DATE = 10/18/2021		

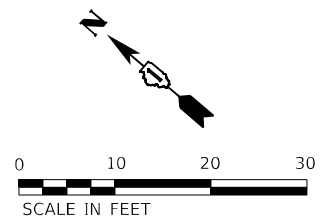
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT KING ST.**

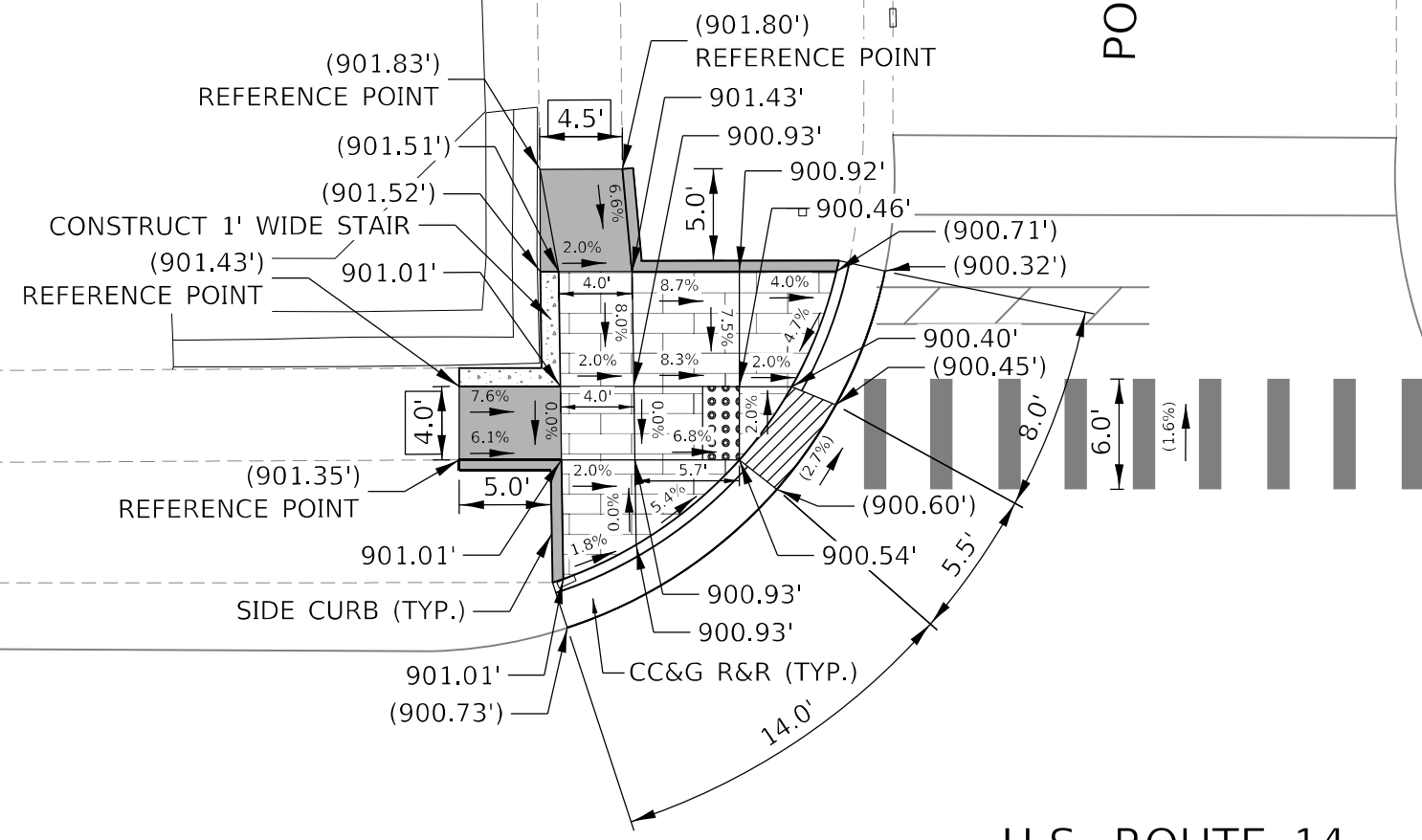
SCALE: 1" = 10'    SHEET 06 OF 21 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	30
				CONTRACT NO. 62N44
ILLINOIS FED. AID PROJECT				

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PROJECT: Illinois Department of Transportation\2021-021-R5\05\_CADD\CADD\_Sheet\Sheet108.dwg



POMEROY AVENUE



U.S. ROUTE 14  
(VIRGINIA ST.)

REFERENCE BENCHMARK # 108, ELEV. 900.66  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & KING ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED CONCRETE STAIR
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH

MODEL: Default  
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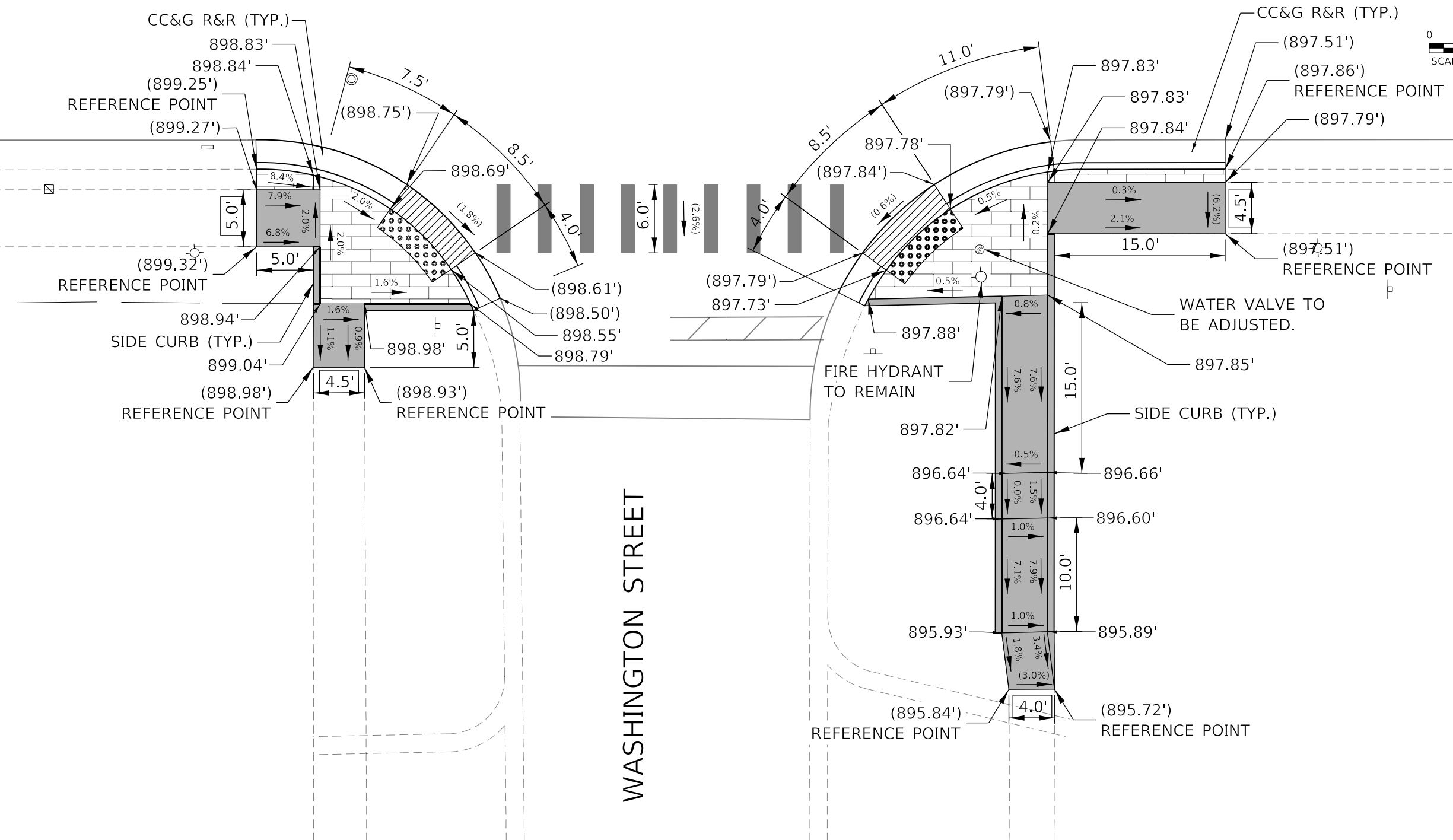
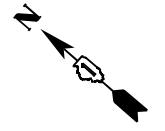
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT POMEROY AVE.**

SCALE: 1" = 10' SHEET 07 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	31
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	









# U.S. ROUTE 14 (VIRGINIA ST.)



WASHINGTON STREET

REFERENCE BENCHMARK # 110, ELEV. 899.13  
 LOCATION: SOUTHWEST CORNER OF VIRGINIA ST & WASHINGOTN ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  EXISTING ELEVATION/SLOPE
-  EXISTING LENGTH

MODEL: Default  
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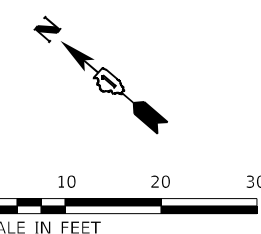
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA CURB RAMP IMPROVEMENT PLAN US ROUTE 14 AT WASHINGTON ST.</b>	
SCALE: 1" = 10'	SHEET 08 OF 21 SHEETS STA. TO STA.

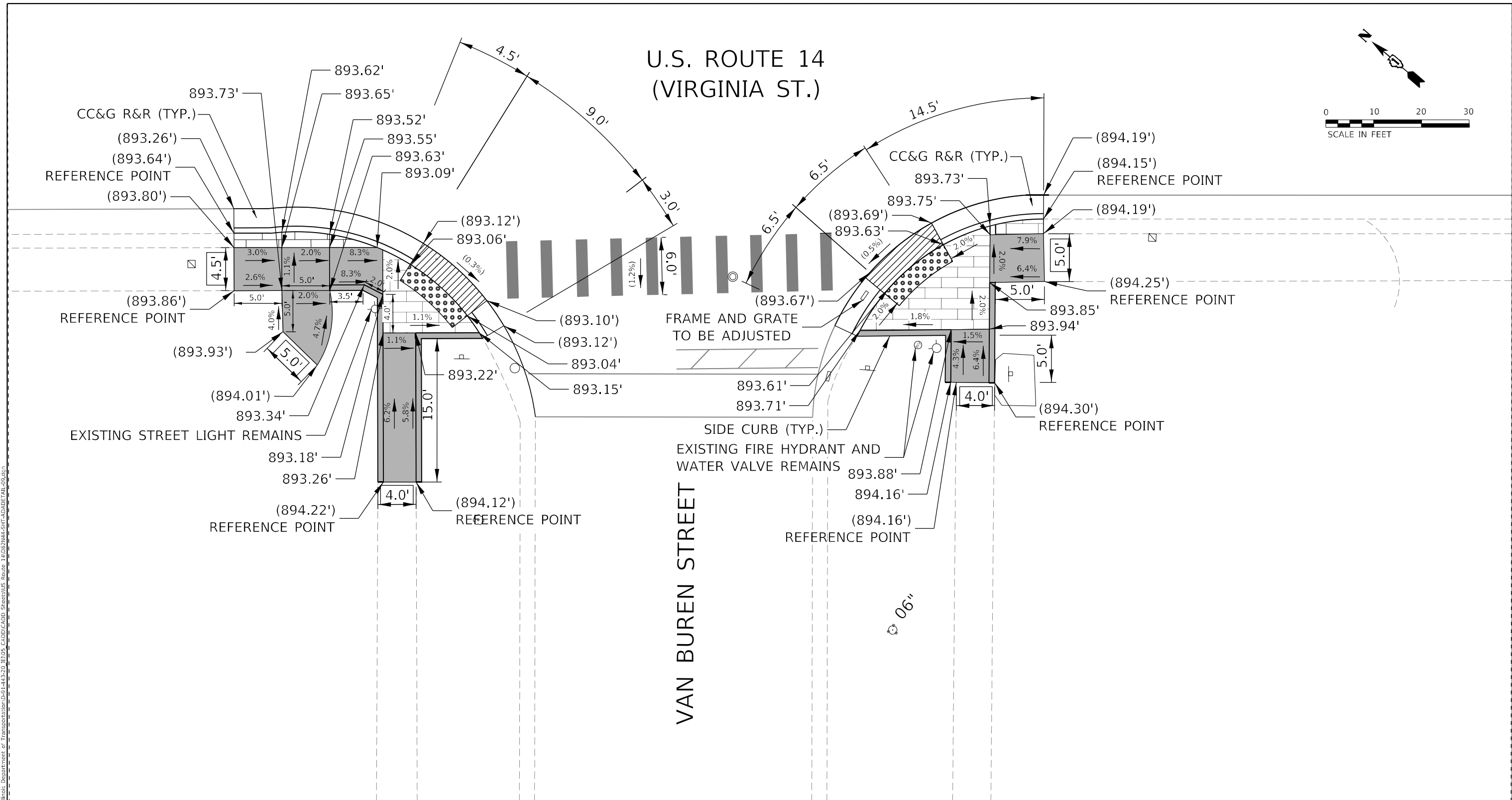
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	32
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				













U.S. ROUTE 14  
(VIRGINIA ST.)

VAN BUREN STREET



REFERENCE BENCHMARK # 112, ELEV. 894.52  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & VAN BUREN ST  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  EXISTING ELEVATION/SLOPE
-  EXISTING LENGTH

MODEL: Default  
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 PROJECT: Illinois Department of Transportation



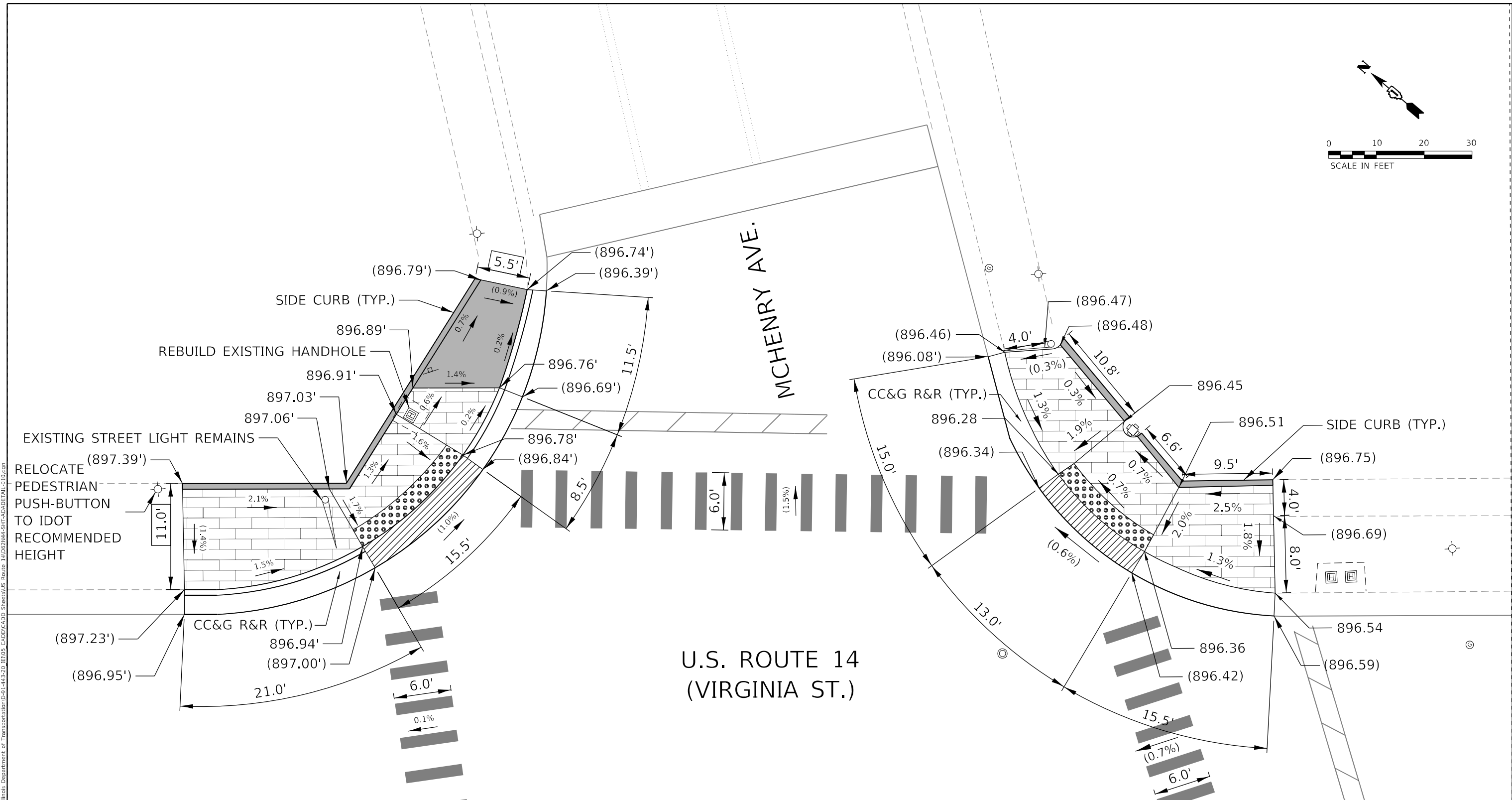
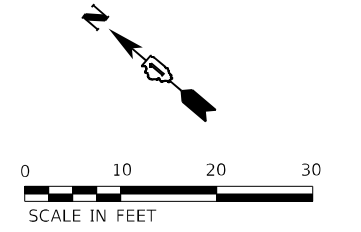
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DRAWN - SSM	REVISIONS -	
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT VAN BUREN ST.**

SCALE: 1" = 10' SHEET 09 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	33
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	



MODEL: Default  
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REFERENCE BENCHMARK # 114, ELEV. 896.68  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & MCHENRY AVE  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH



USER NAME = \$USERS	DESIGNED - KLN	REVISED -
	DRAWN - S5M	REVISED -
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

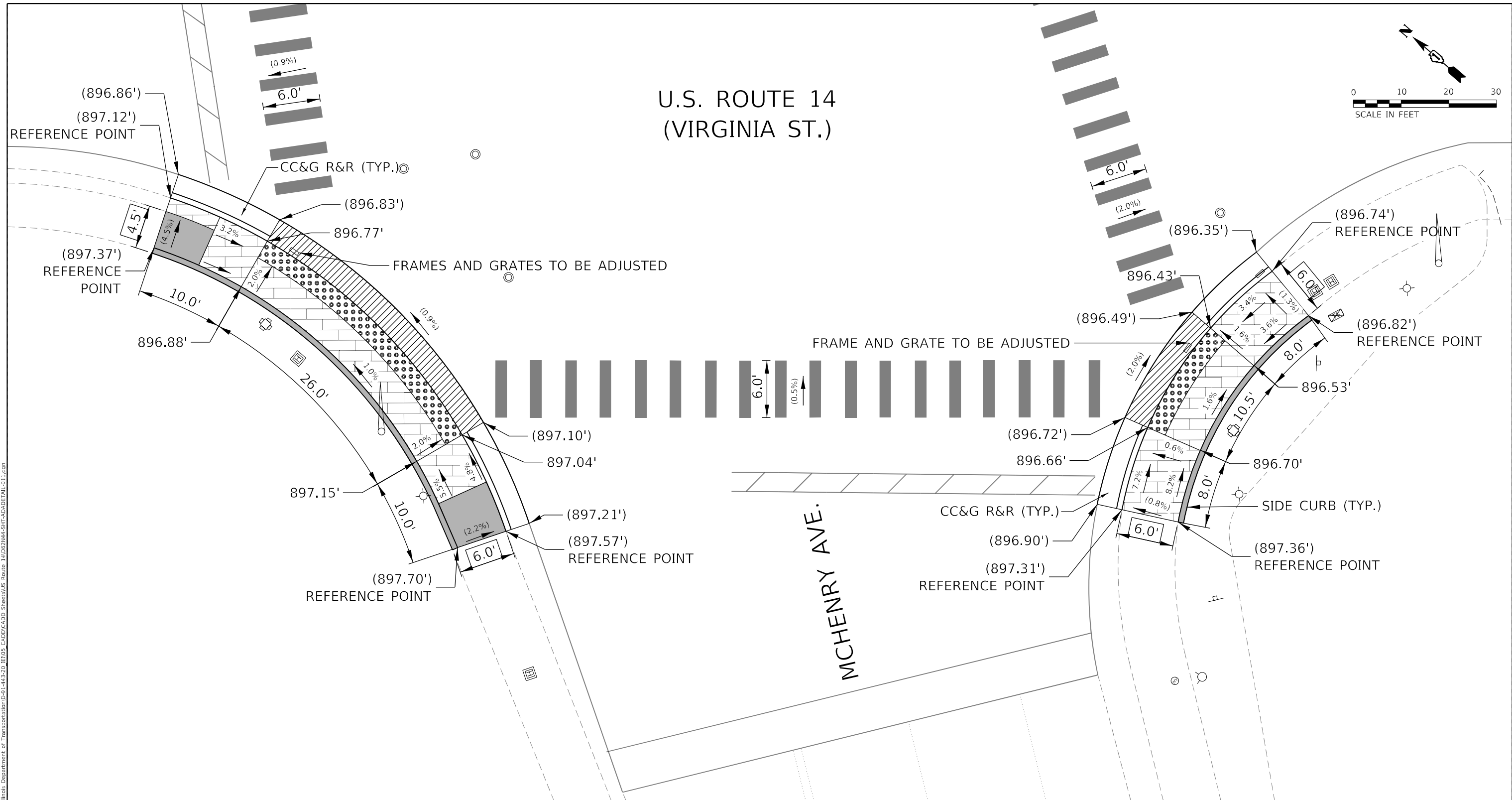
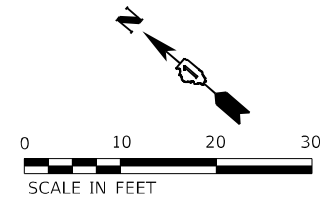
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN**  
**US ROUTE 14 AT MCHENRY AVE.**

SCALE: 1" = 10'    SHEET 10 OF 21 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHENRY	57	34
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				

# U.S. ROUTE 14 (VIRGINIA ST.)



REFERENCE BENCHMARK # 114, ELEV. 896.68  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & MCHENRY AVE  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH



USER NAME = \$USERS	DESIGNED - KLN	REVISED -
DRAWN - S5M	REVISED -	
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PLOT DATE = 10/18/2021	DATE - 10/18/2021	REVISED -

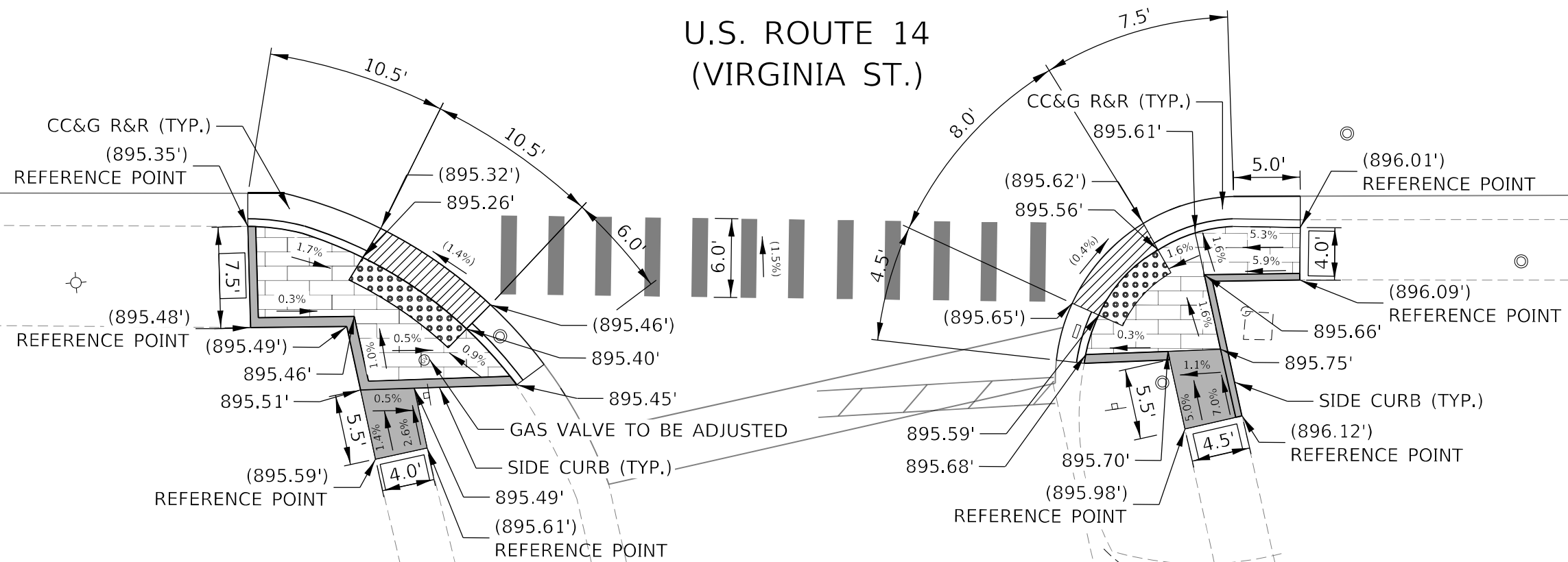
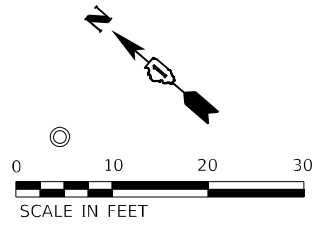
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### ADA CURB RAMP IMPROVEMENT PLAN US ROUTE 14 AT MCHENRY AVE.

SCALE: 1" = 10' SHEET 11 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHENRY	57	35
CONTRACT NO. 62N44			ILLINOIS FED. AID PROJECT	

# U.S. ROUTE 14 (VIRGINIA ST.)



REFERENCE BENCHMARK # 116, ELEV. 896.14  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & LINN AVE  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH

MODEL: Default  
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 PROJECT: Illinois Department of Transportation



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PLOT DATE = 10/18/2021		

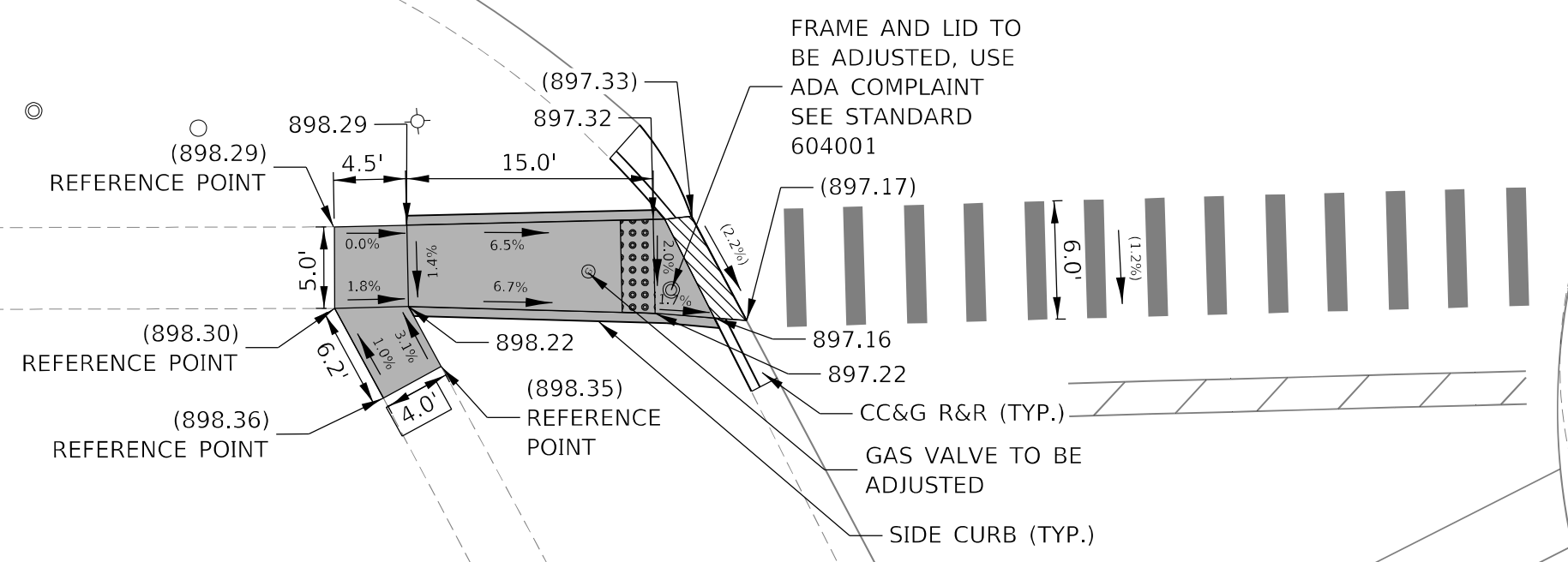
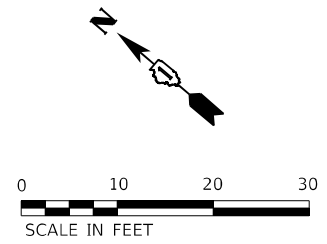
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT LINN AVE.**

SCALE: 1" = 10' SHEET 12 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	36
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

# U.S. ROUTE 14 (VIRGINIA ST.)



REFERENCE BENCHMARK # 118, ELEV. 897.70  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST & COVENTRY LN  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH

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 CONTRACT: 62N44

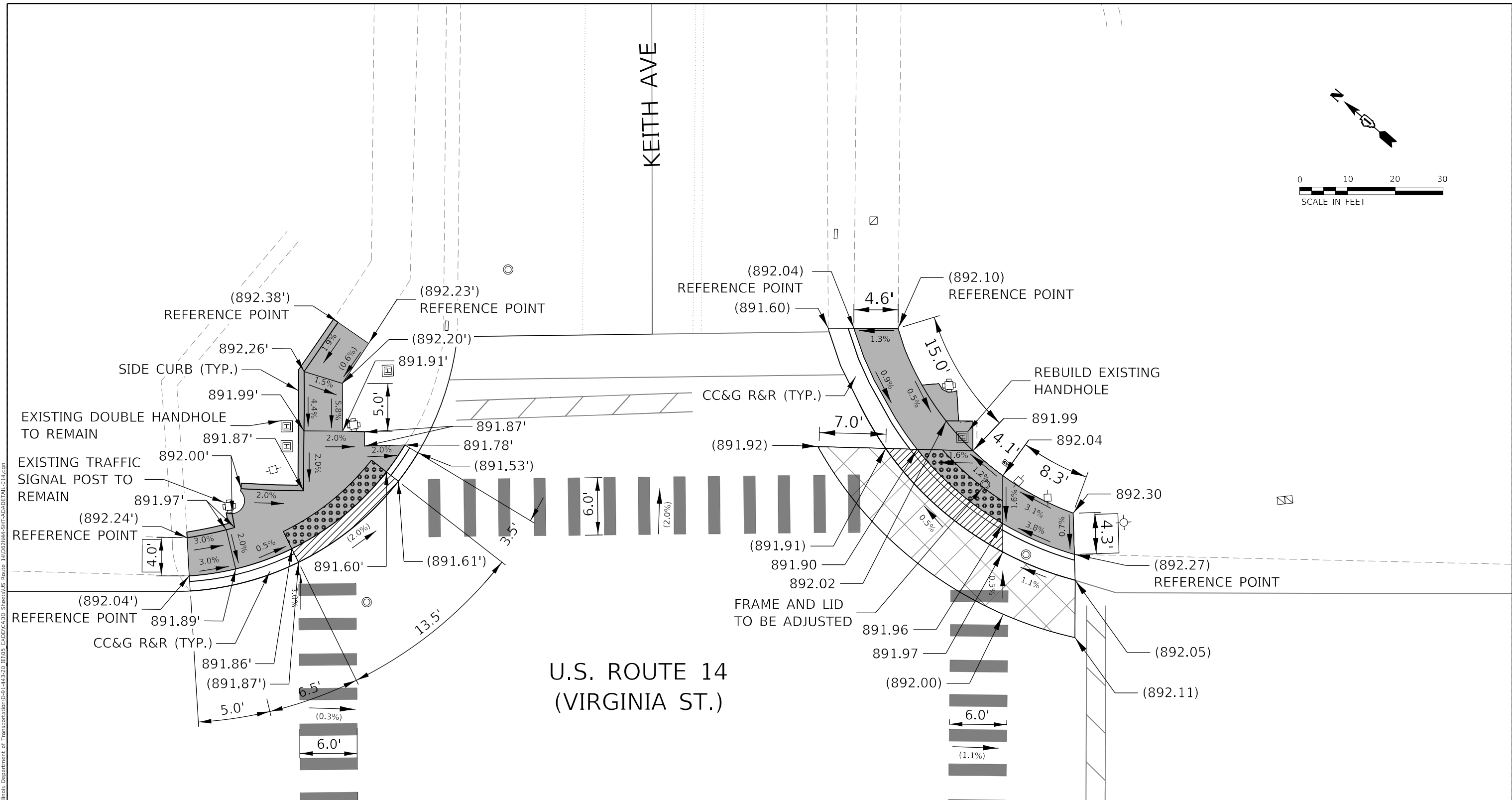
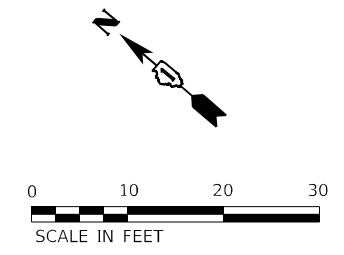


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**









<b>ADA CURB RAMP IMPROVEMENT PLAN US ROUTE 14 AT COVENTRY LN.</b>	
SCALE: 1" = 10'	SHEET 13 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	37
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK # 120, ELEV. 892.02  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST AND DEVONSHIRE LN  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  ( ) EXISTING ELEVATION/SLOPE
-  XXX.XX' EXISTING LENGTH

MODEL: Default  
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PLOT DATE = 10/18/2021		

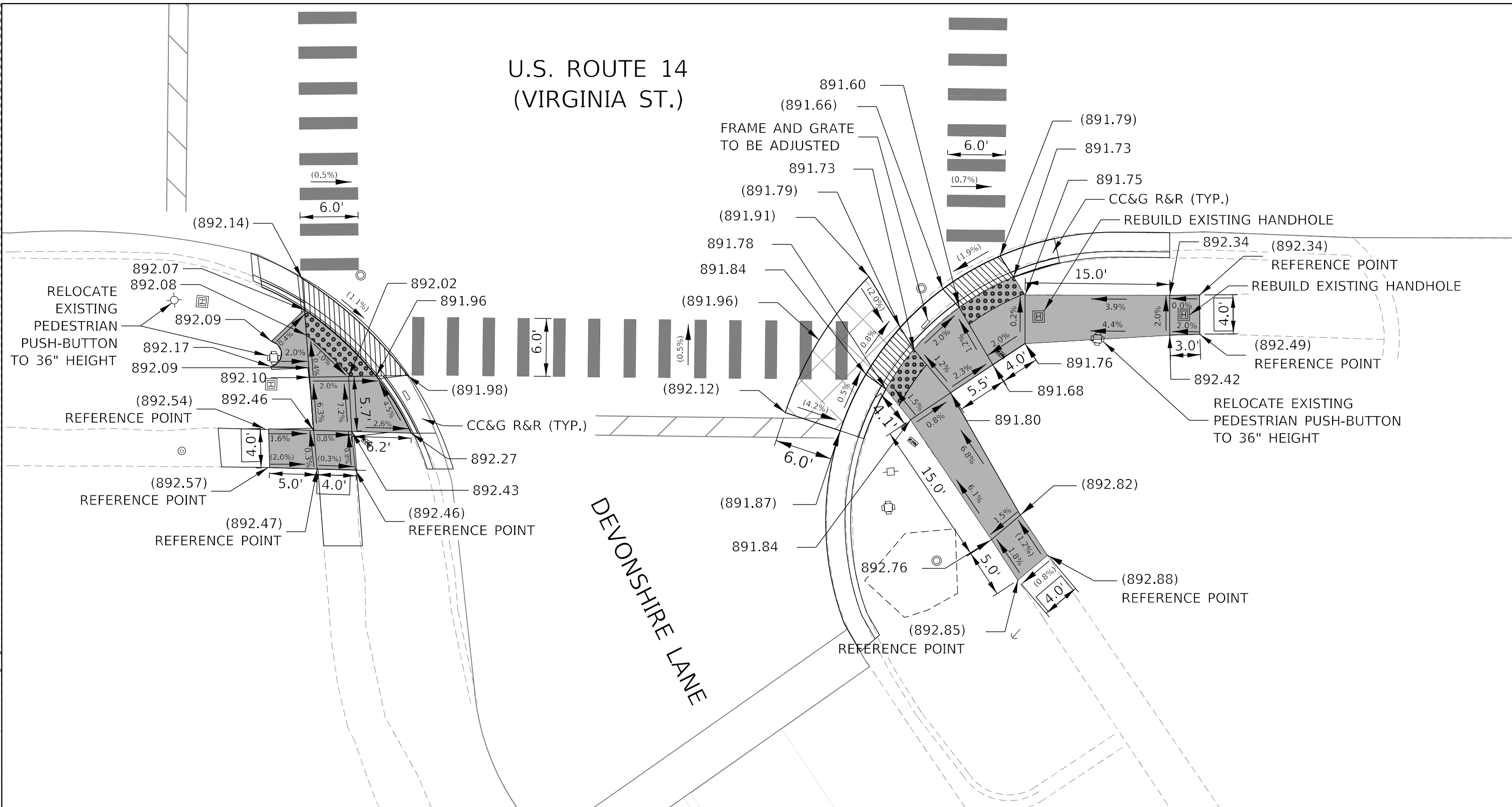
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN  
 US ROUTE 14 AT KEITH AVE.**

SCALE: 1" = 10'    SHEET 14 OF 21 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	

# U.S. ROUTE 14 (VIRGINIA ST.)



DEVONSHIRE LANE

REFERENCE BENCHMARK # 120, ELEV. 892.02  
 LOCATION: SOUTHEAST CORNER OF VIRGINIA ST. & DEVONSHIRE LN.  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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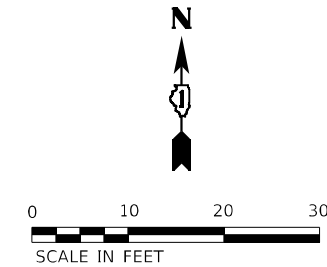


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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

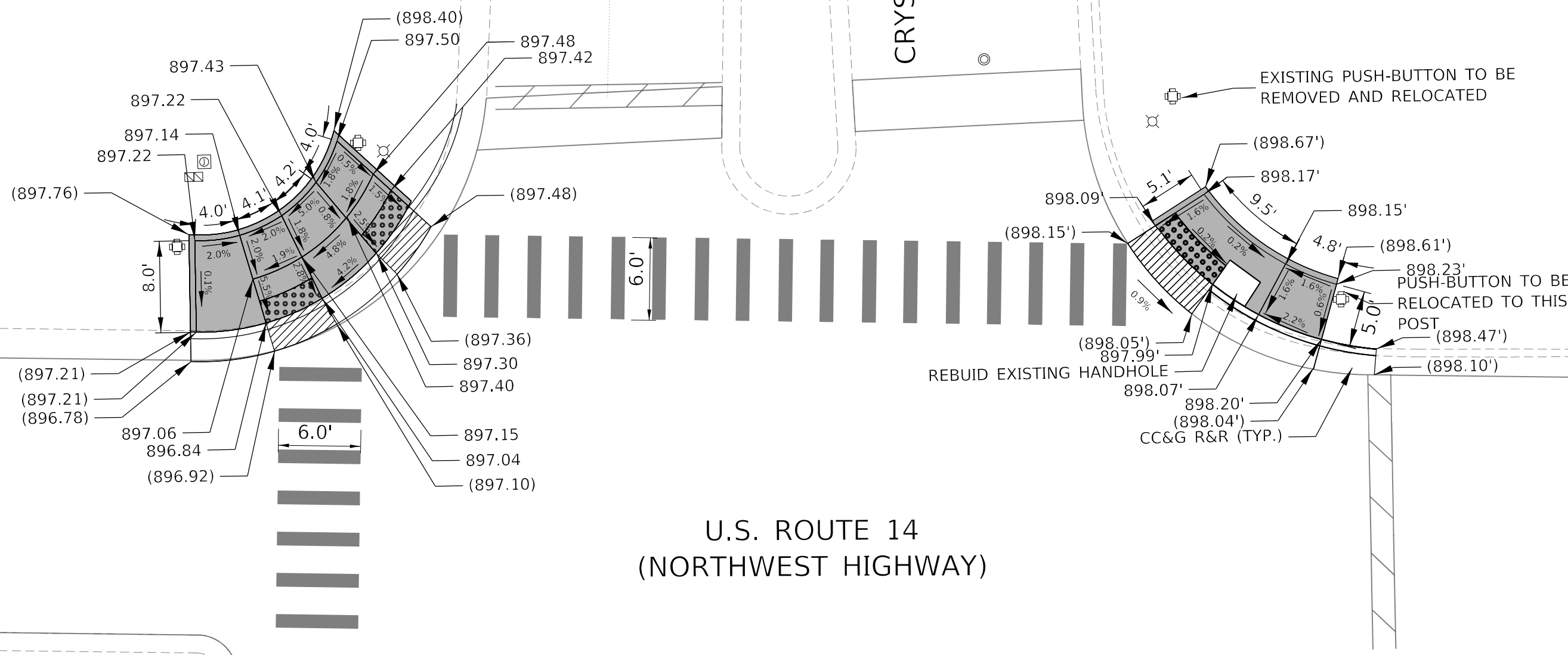
ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT CARPENTER ST.  
SCALE: 1" = 10' SHEET 15 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	



CRYSTAL POINT ROAD

U.S. ROUTE 14  
(NORTHWEST HIGHWAY)



EXISTING PUSH-BUTTON TO BE REMOVED AND RELOCATED

PUSH-BUTTON TO BE RELOCATED TO THIS POST

REBUID EXISTING HANDHOLE

CC&G R&R (TYP.)

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

REFERENCE BENCHMARK # 125, ELEV. 898.61  
 LOCATION: NORTHEAST CORNER OF US 14 & CRYSTAL POINT ROAD  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

MODEL: Default  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

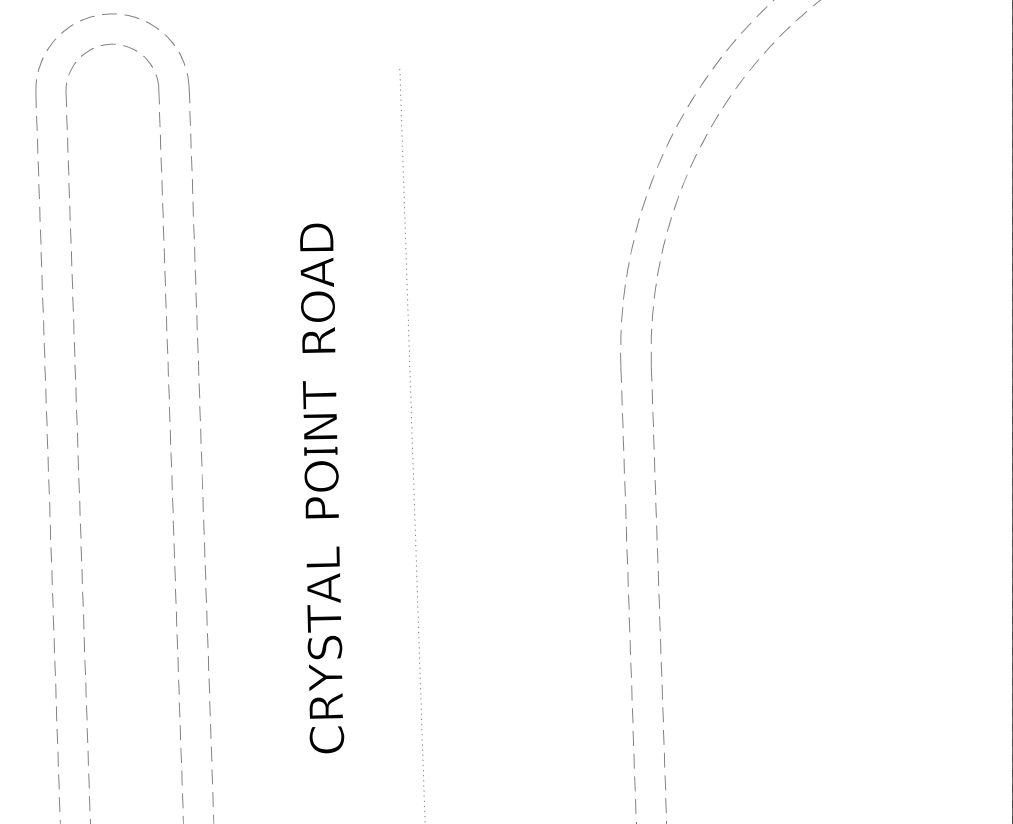
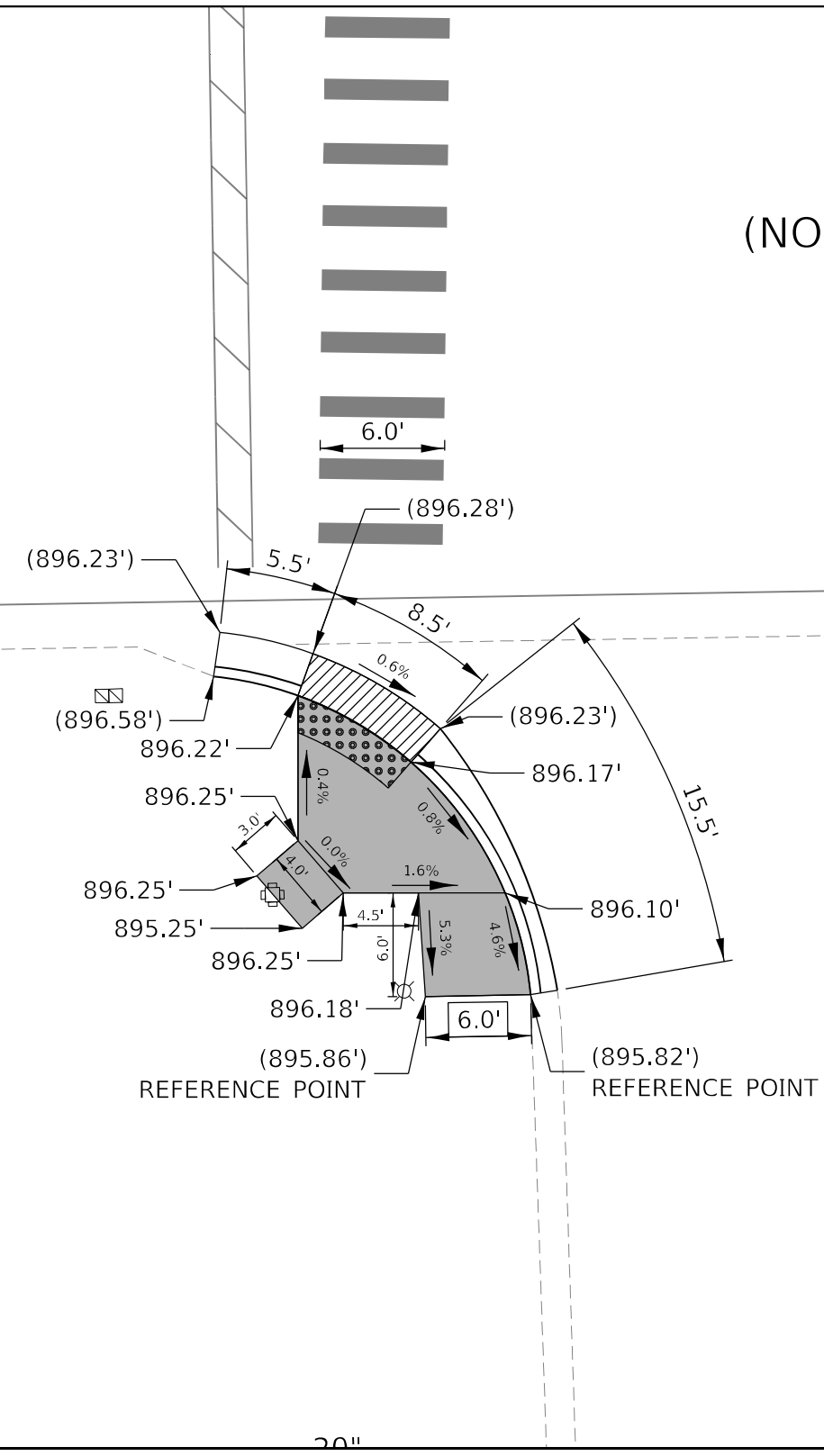
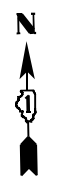
ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT CRYSTAL POINT RD.

SCALE: 1" = 10' SHEET 16 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	40
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	



# U.S. ROUTE 14 (NORTHWEST HIGHWAY)



CRYSTAL POINT ROAD

REFERENCE BENCHMARK # 124, ELEV. 898.28  
 LOCATION: NORTHWEST CORNER OF US 14 & CRYSTAL POINT ROAD  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

### LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( / ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH

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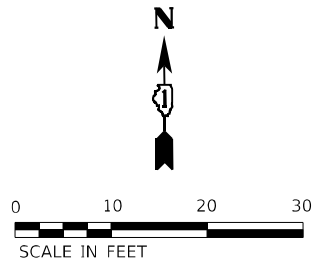
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT CRYSTAL POINT RD.**

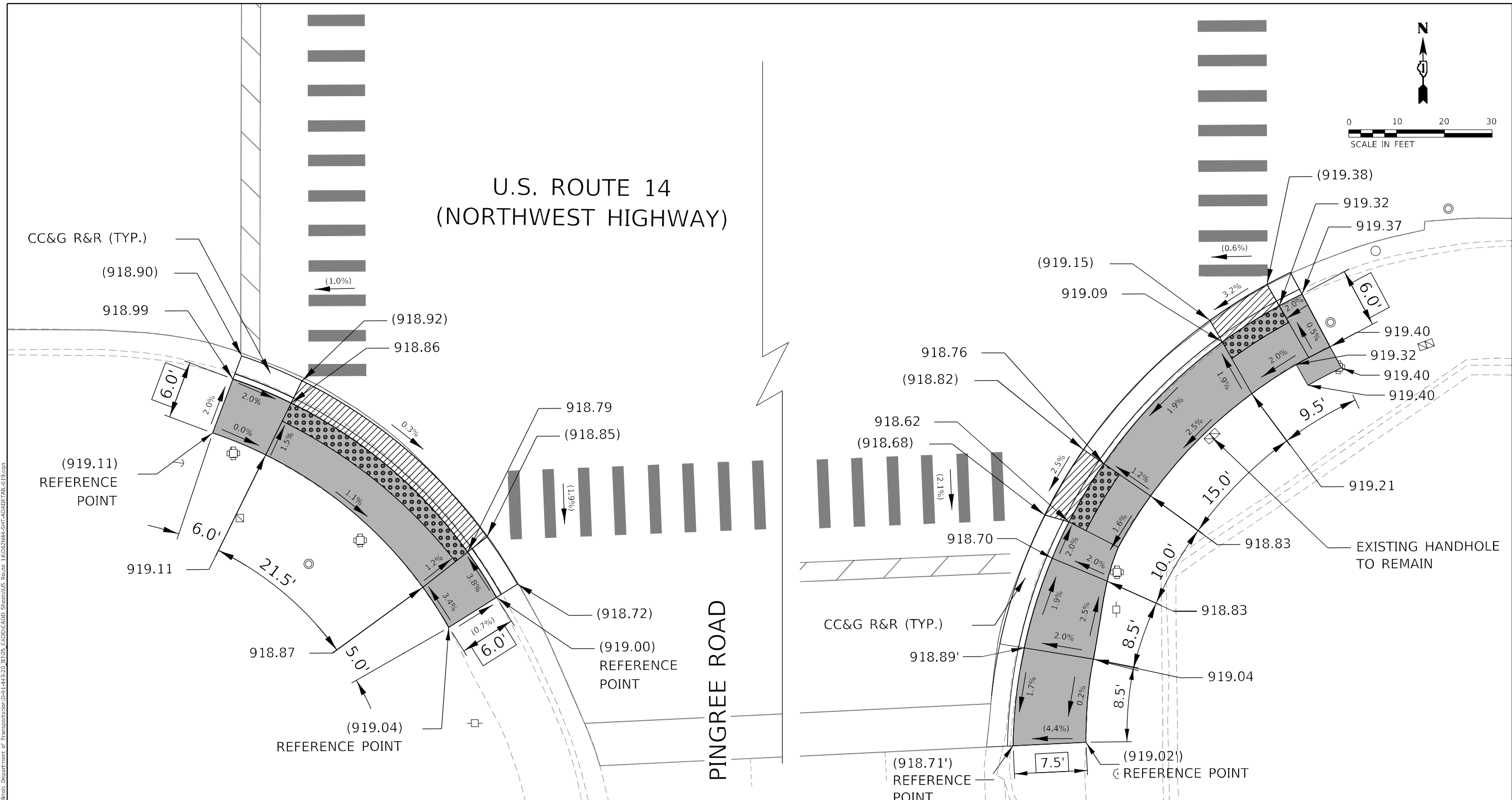
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	41
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				





# U.S. ROUTE 14 (NORTHWEST HIGHWAY)



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REFERENCE BENCHMARK # 127, ELEV. 919.10  
 LOCATION: SOUTHWEST CORNER OF US RTE 14 & PINGREE RD  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

LEGEND	
	PROPOSED DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	PAVEMENT PATCHING
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED PCC SIDEWALK
	PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
( )	EXISTING ELEVATION/SLOPE
XXX.XX'	EXISTING LENGTH

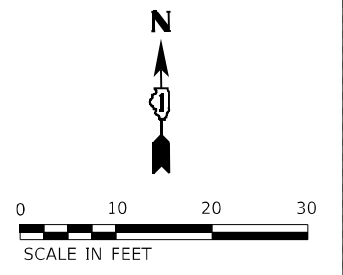


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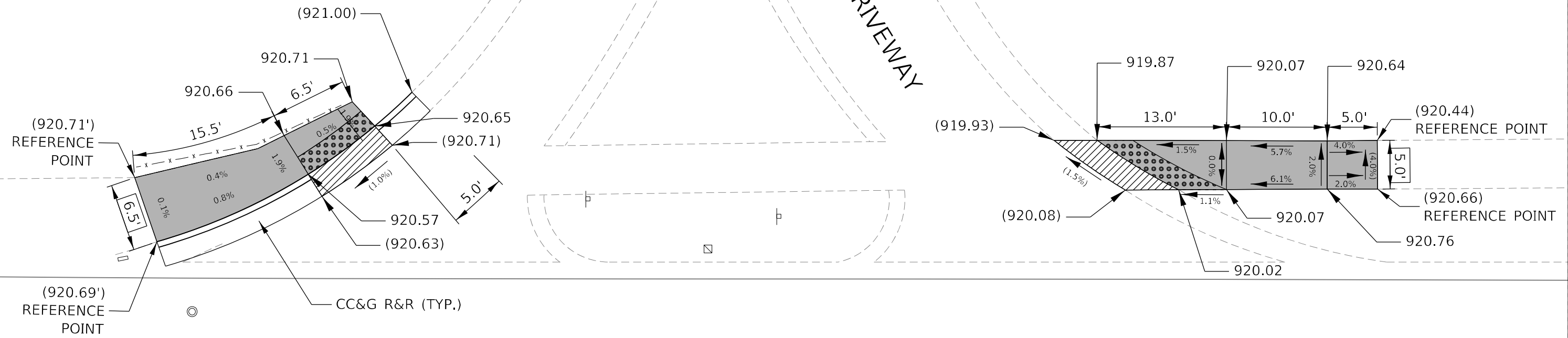
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN**  
**US ROUTE 14 AT PINGREE RD.**  
 SCALE: 1" = 10'    SHEET 20 OF 21 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	43
			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				



CHIPOTLE DRIVEWAY



U.S. ROUTE 14  
(NORTHWEST HIGHWAY)

REFERENCE BENCHMARK # 128, ELEV. 921.01  
 LOCATION: CENTER ISLAND NEAR ENTRANCE TO CHIPOTLE  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- ( ) EXISTING ELEVATION/SLOPE
- XXX.XX' EXISTING LENGTH

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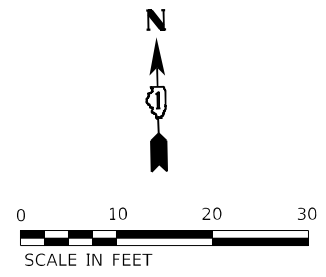
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PLOT DATE = 10/18/2021		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

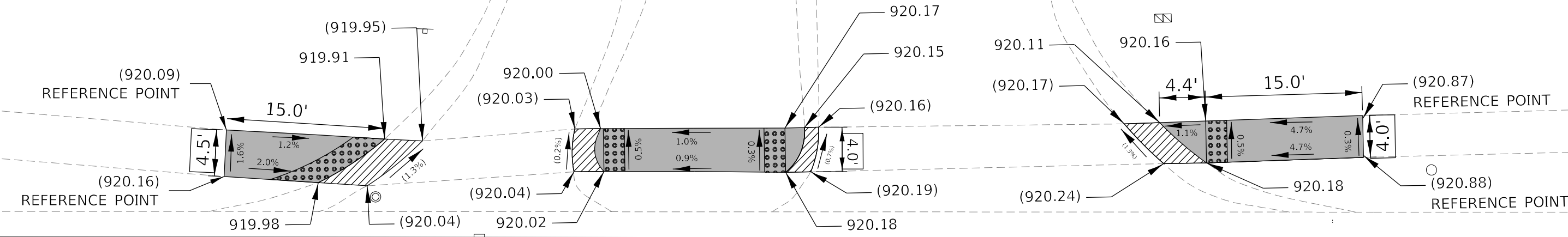
ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT CHIPOTLE DRIVEWAY

SCALE: 1" = 10'    SHEET 21 OF 21 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	44
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N44	



REGAL CINEMAS DRIVEWAY



U.S. ROUTE 14  
(NORTHWEST HIGHWAY)

REFERENCE BENCHMARK # 130, ELEV. 920.65  
 LOCATION: CENTER ISLAND NEAR ENTRANCE TO REGAL CINEMAS  
 BENCHMARK: MARKED BY "X" SCRAPED ON THE SIDEWALK

**LEGEND**

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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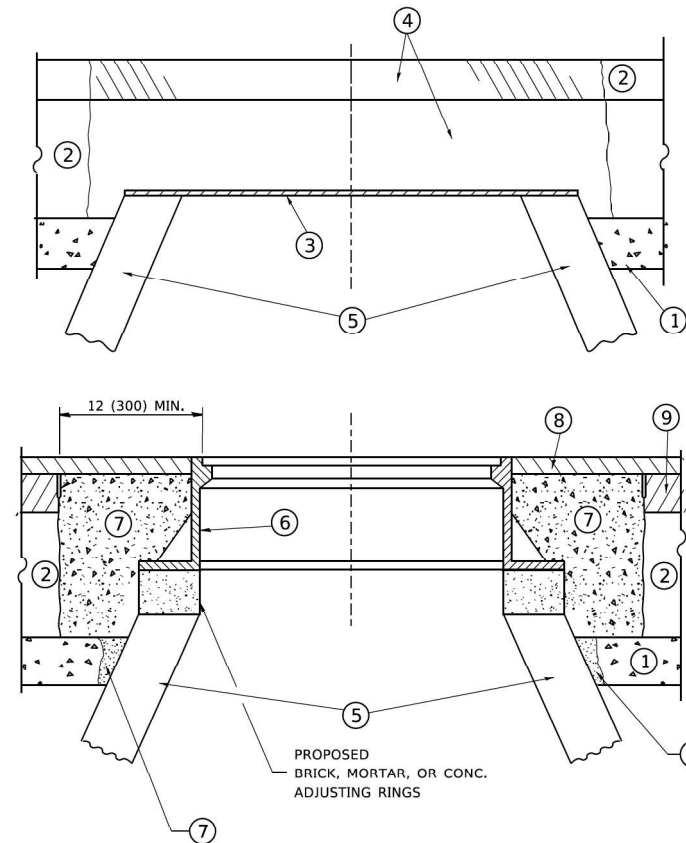
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN  
US ROUTE 14 AT REGAL CINEMAS DRIVEWAY**

SCALE: 1" = 10'    SHEET 22 OF 21 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	McHENRY	57	45
CONTRACT NO. 62N44				
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 \* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT \*THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1 \*CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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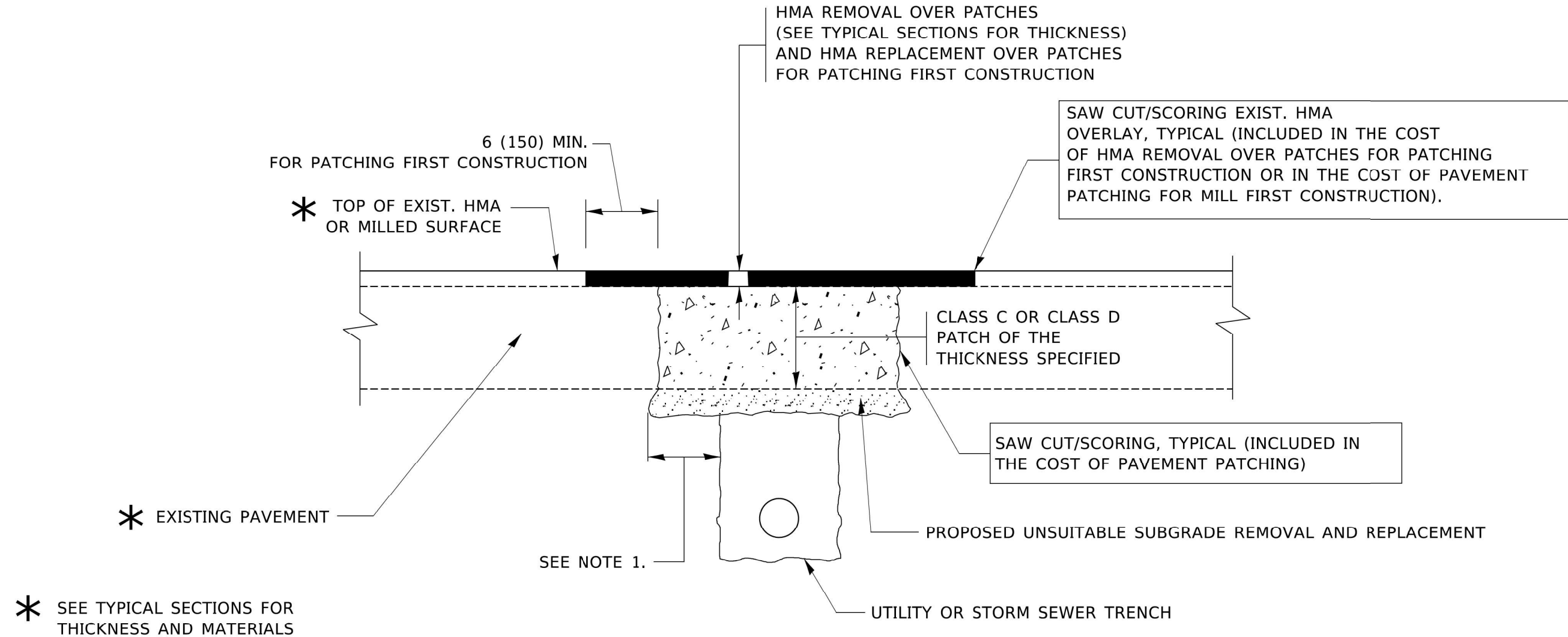
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-RS	MCHENRY	57	46
<b>BD600-03 (BD-8)</b>			CONTRACT NO. 62N44	
ILLINOIS		FED. AID PROJECT		



**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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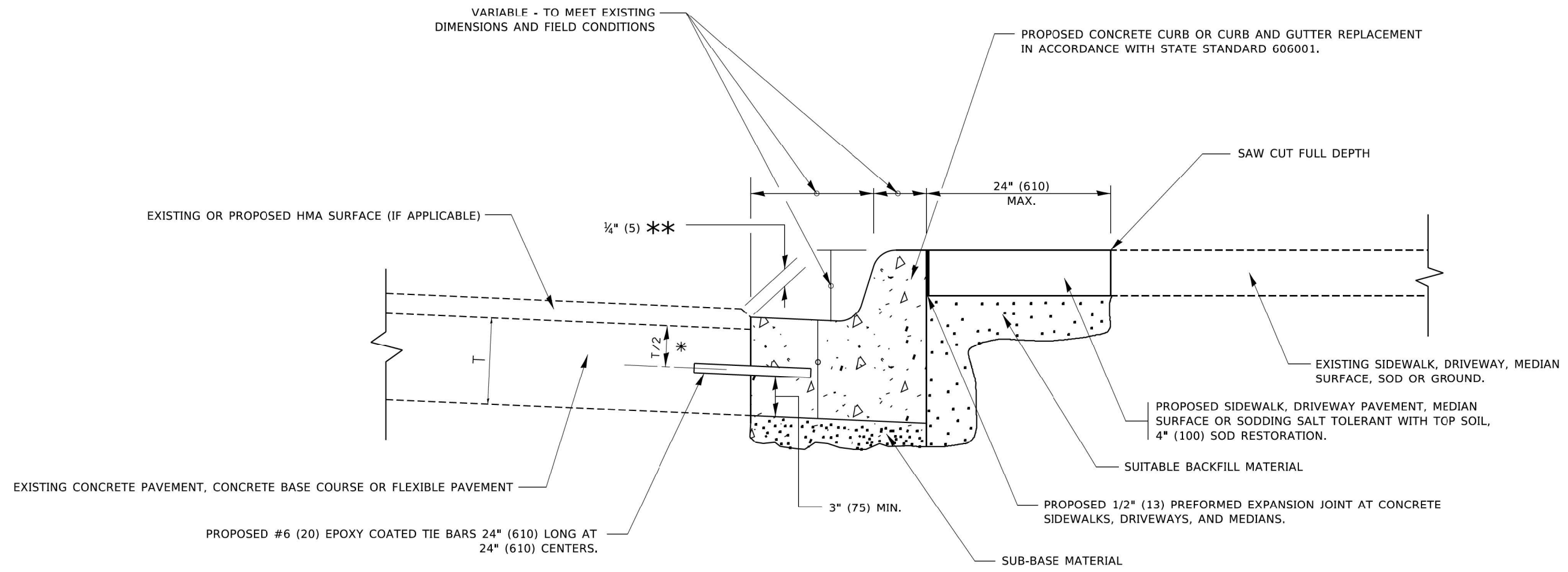
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHENRY	57	47
BD400-04 (BD-22)			CONTRACT NO. 62N44	
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.

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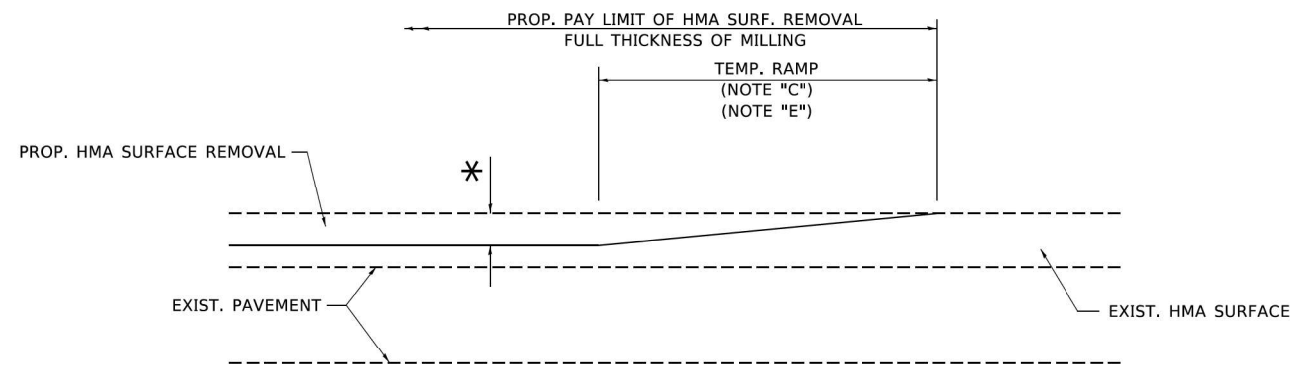
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHENRY	57	48
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

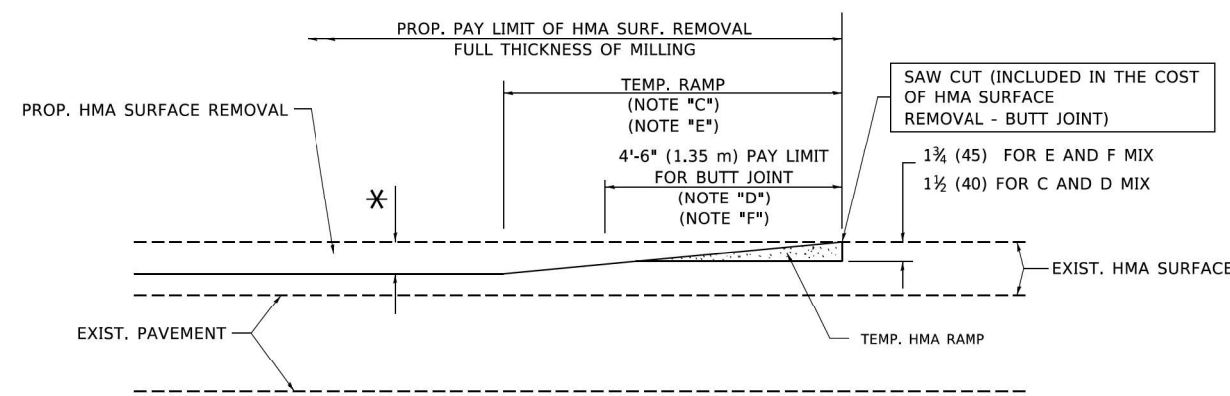




**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

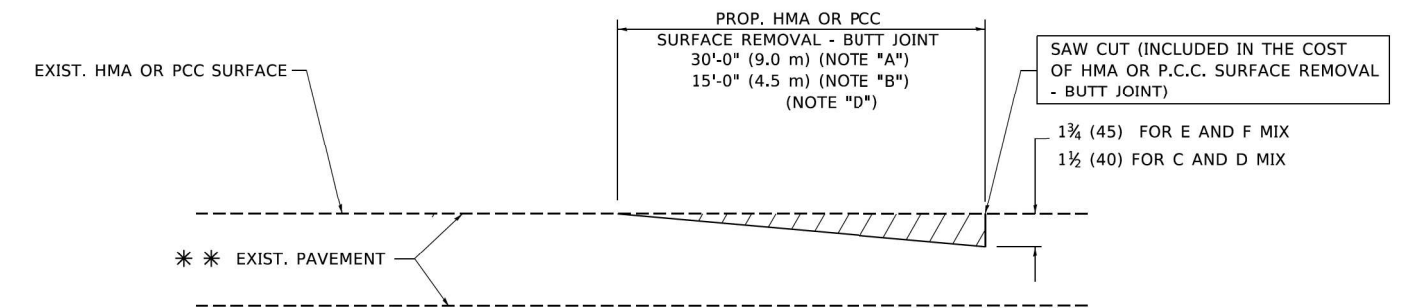


**HMA CONSTRUCTED TEMPORARY RAMP**

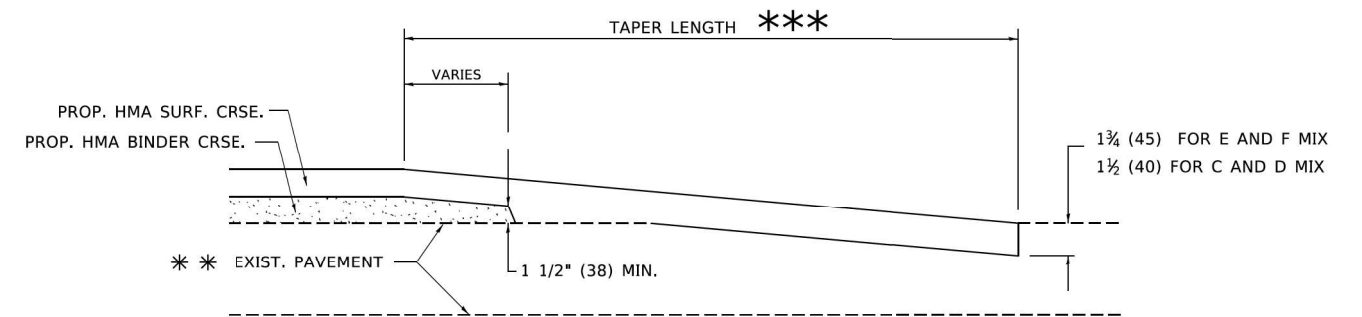
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

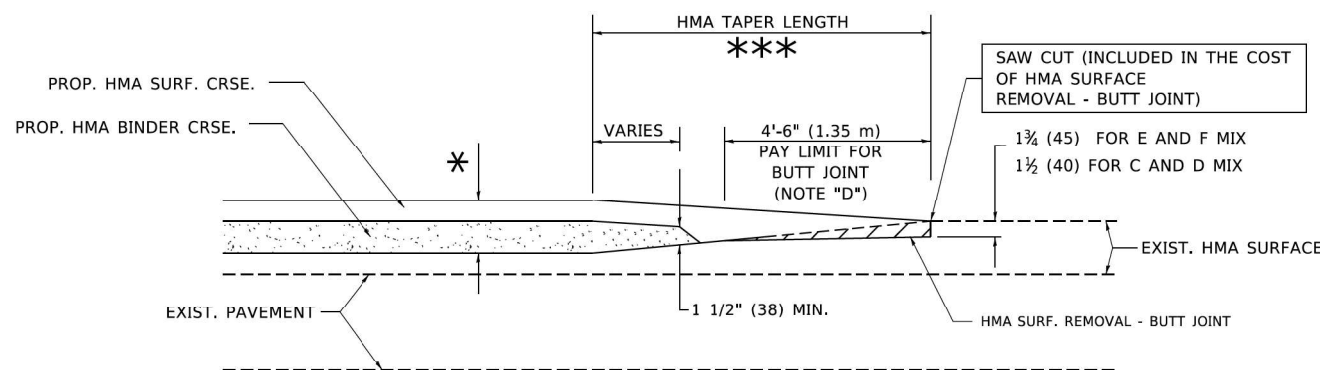
**NOTES**

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 1 SHEETS	305	2021-021-R5	MCHENRY	57	49
		<b>BD400-05 BD32</b>		CONTRACT NO. 62N44		
		ILLINOIS FED. AID PROJECT				



**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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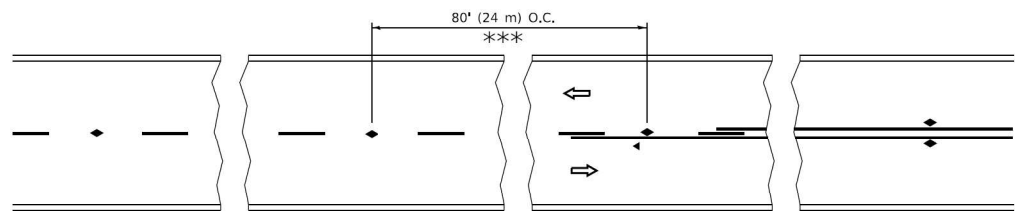
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

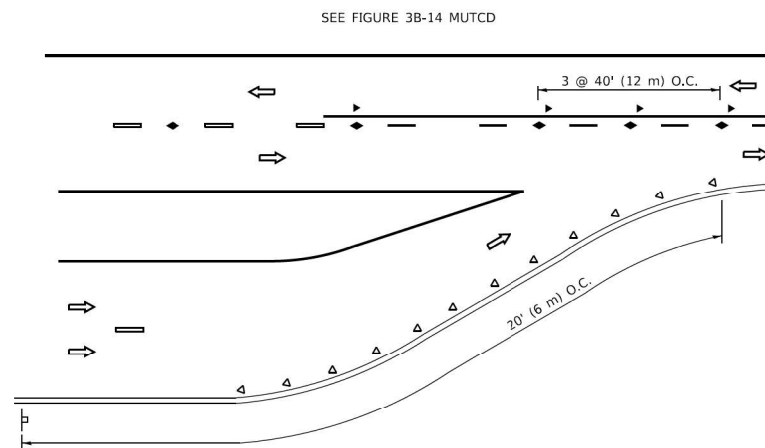
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				

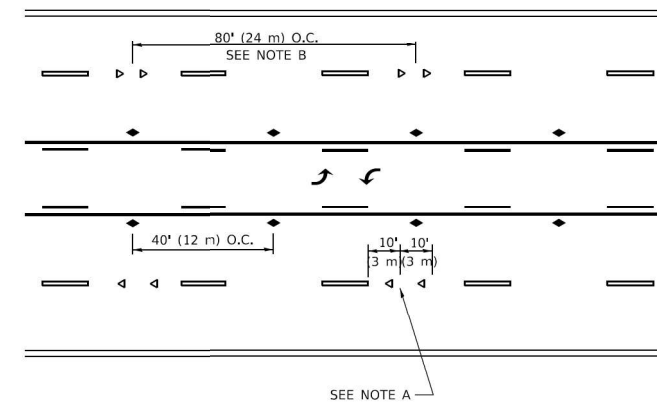


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

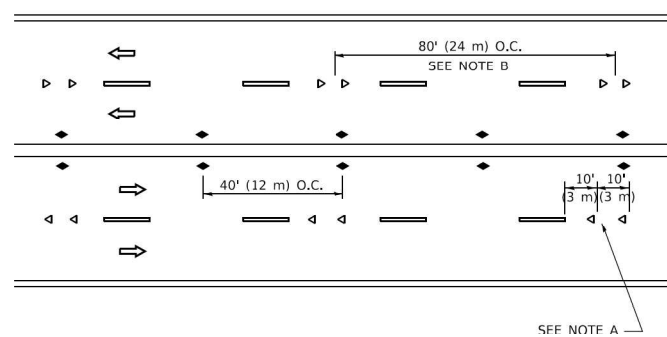
**TWO-LANE/TWO-WAY**



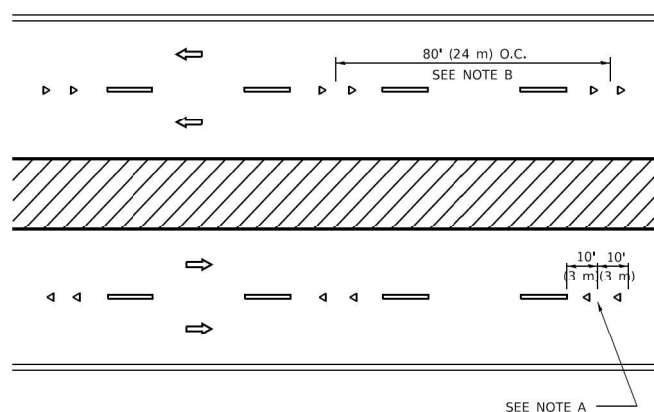
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

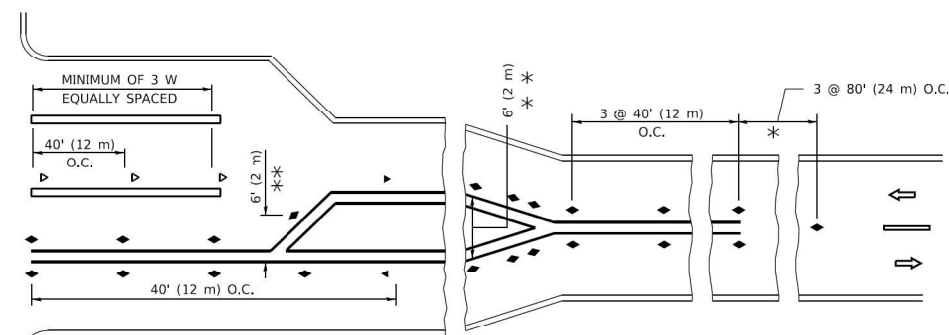
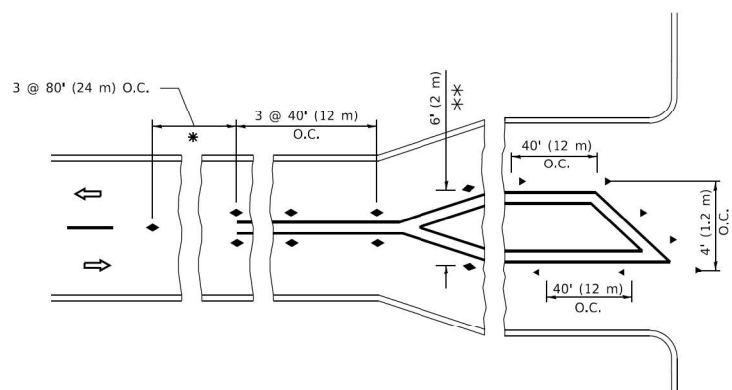
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

**TURN LANES**

All dimensions are in inches (millimeters) unless otherwise shown.

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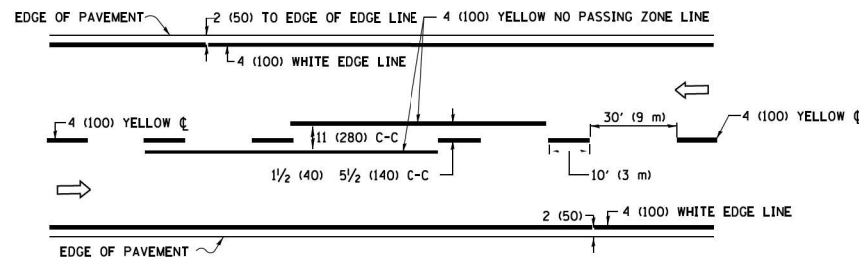
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

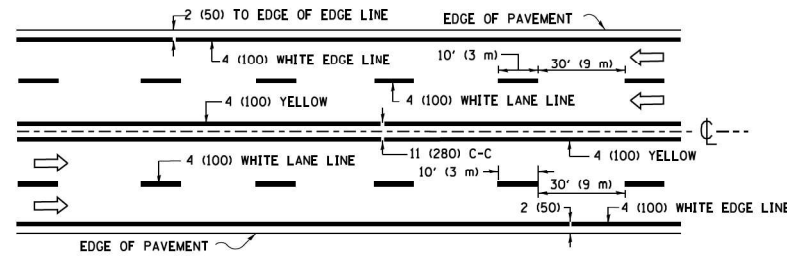
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

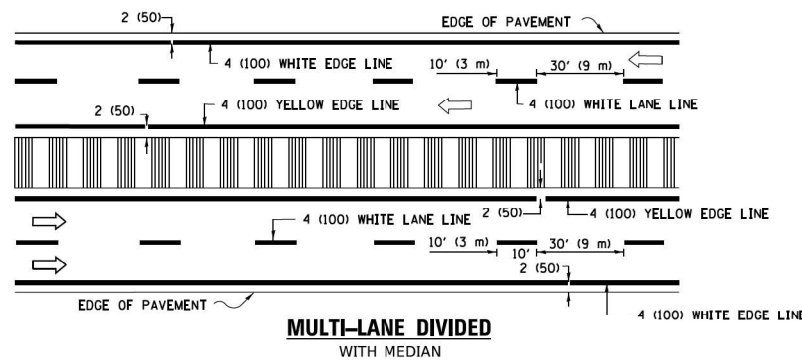
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-RS	MCHENRY	57	51
TC-11			CONTRACT NO. 62N44	
ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

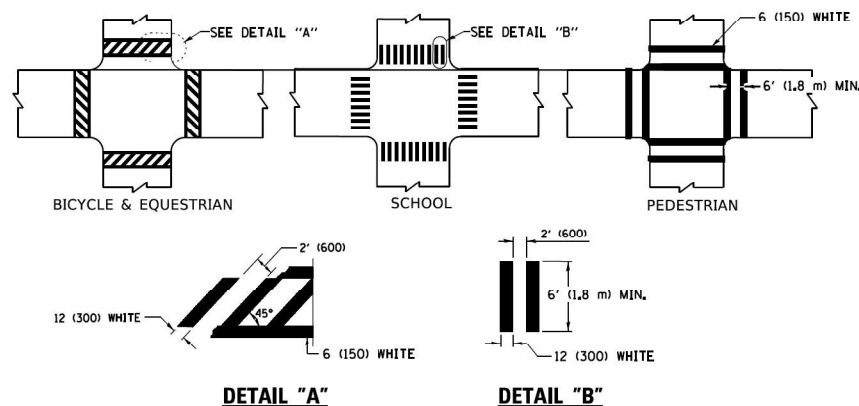


**MULTI-LANE UNDIVIDED**



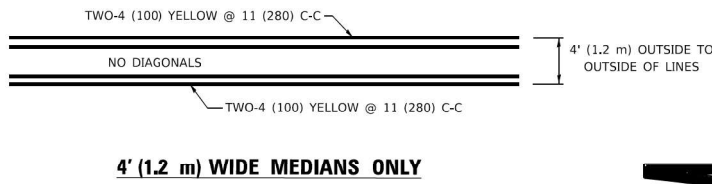
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

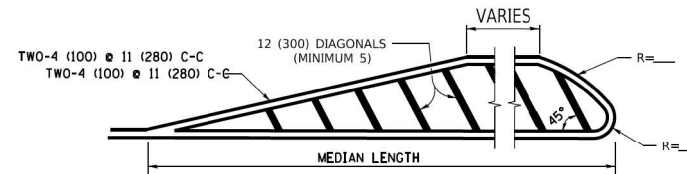


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

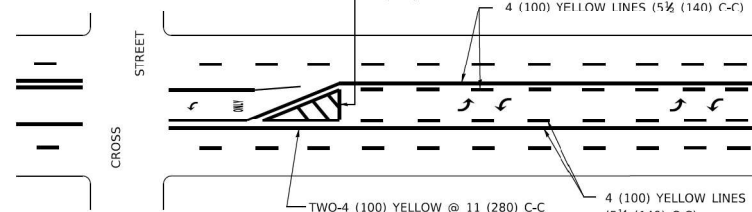


**4' (1.2 m) WIDE MEDIANS ONLY**

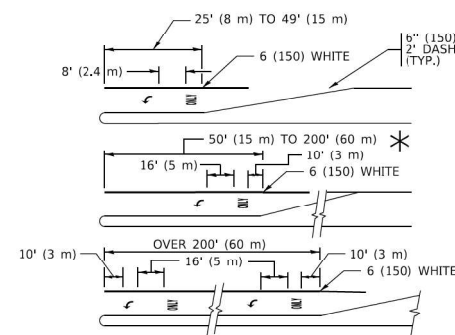


**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

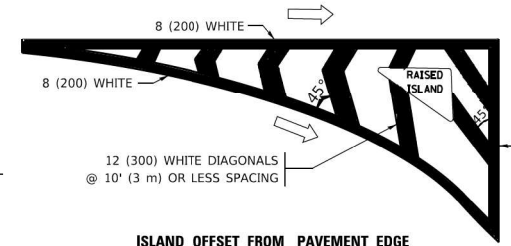


**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

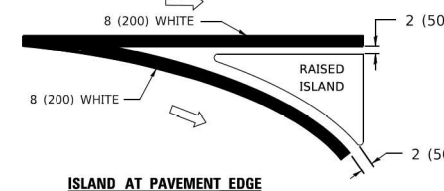


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

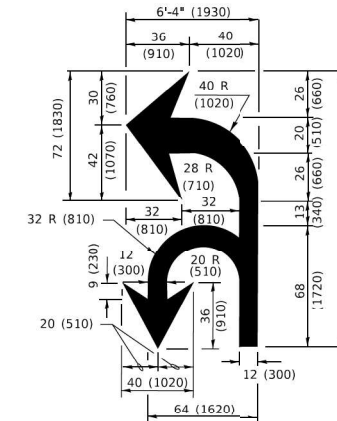
**TYPICAL LEFT (OR RIGHT) TURN LANE  
TYPICAL TURN LANE MARKING**



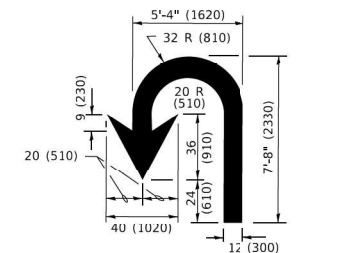
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE  
TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**  
\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	7 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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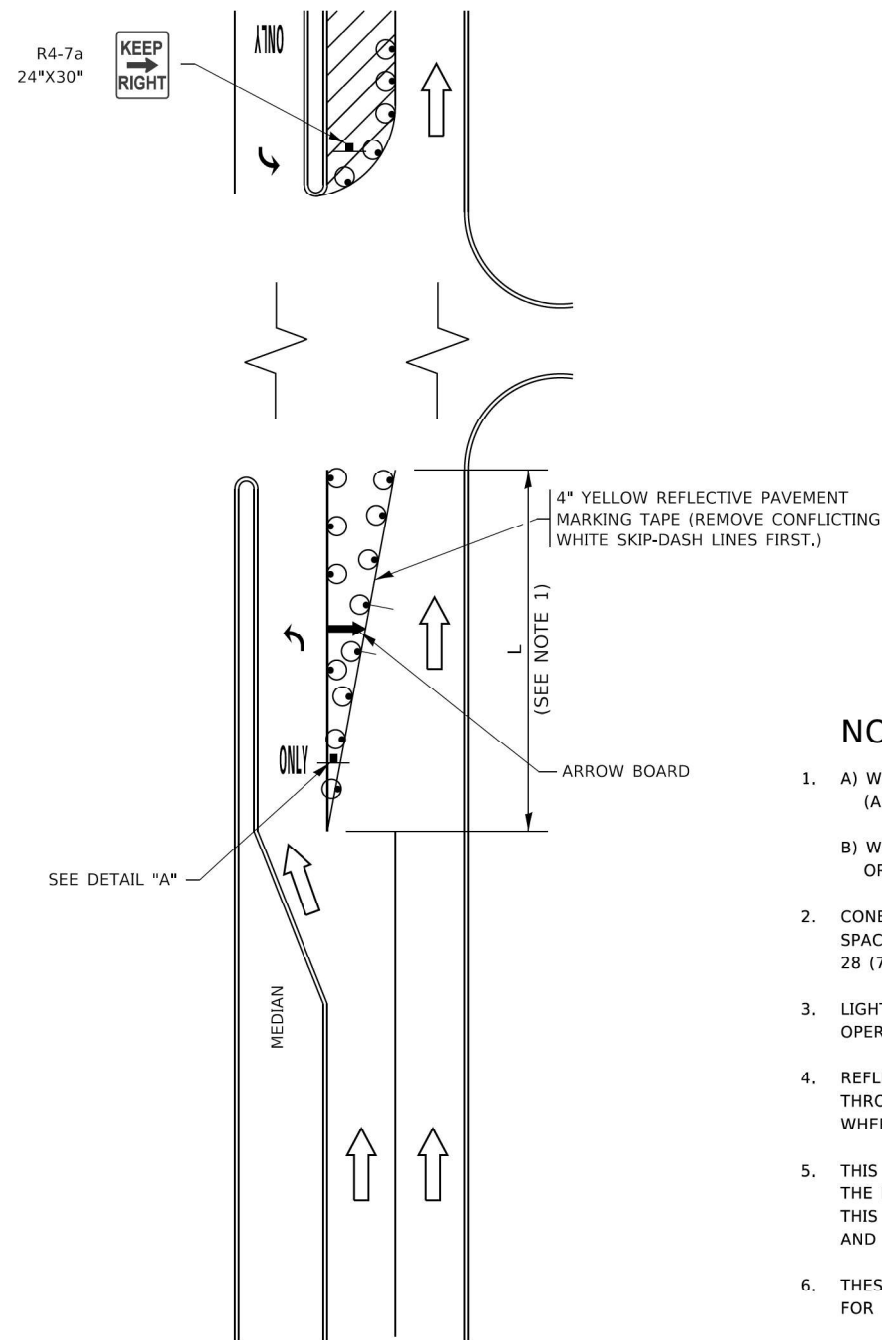
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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 2 SHEETS	STA. TO STA.

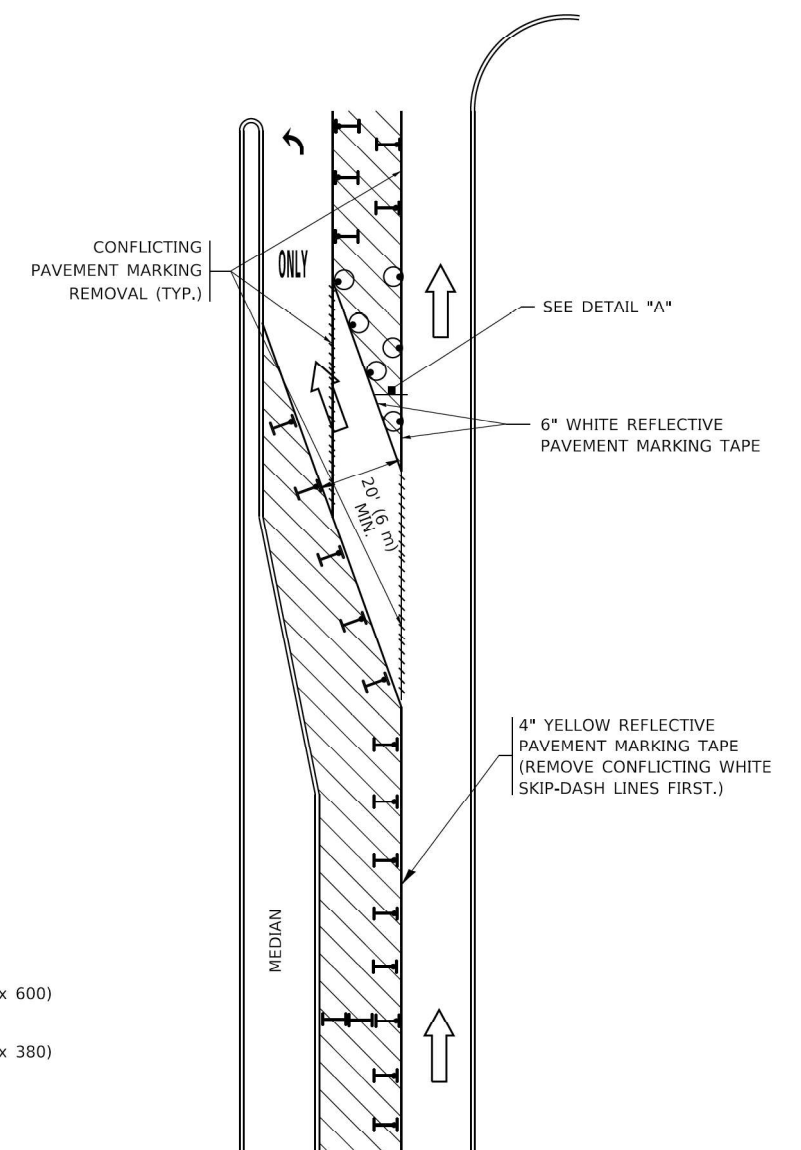
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305	2021-021-RS	MCHENRY	57	52
TC-13		CONTRACT NO. 62N44		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



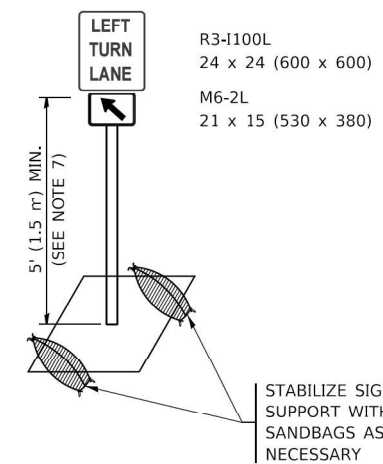
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

All dimensions are in inches (millimeters) unless otherwise shown.

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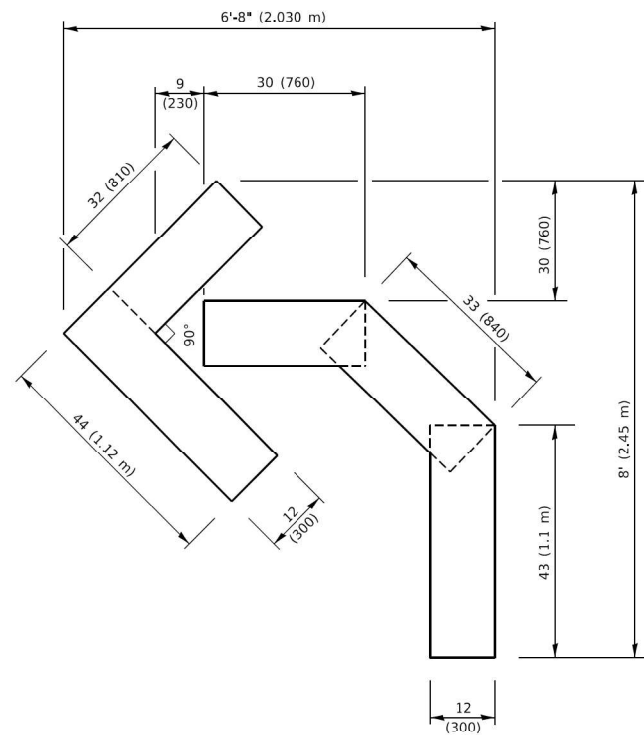
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PLOT SCALE = 50,0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

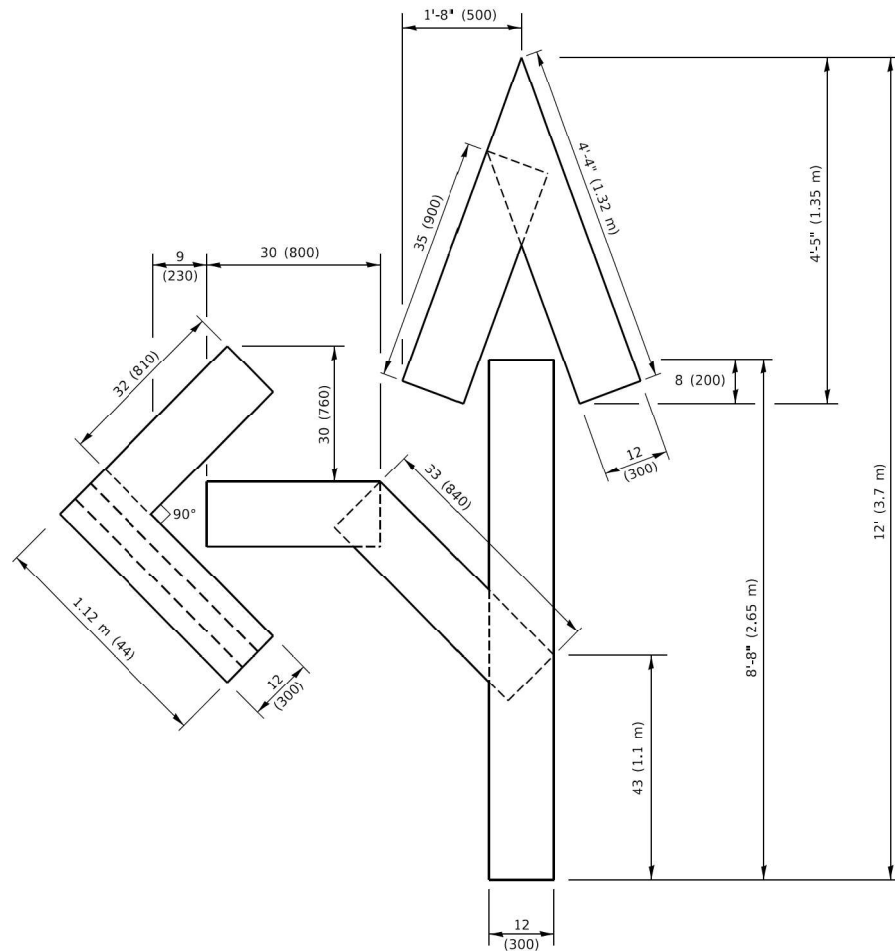
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				



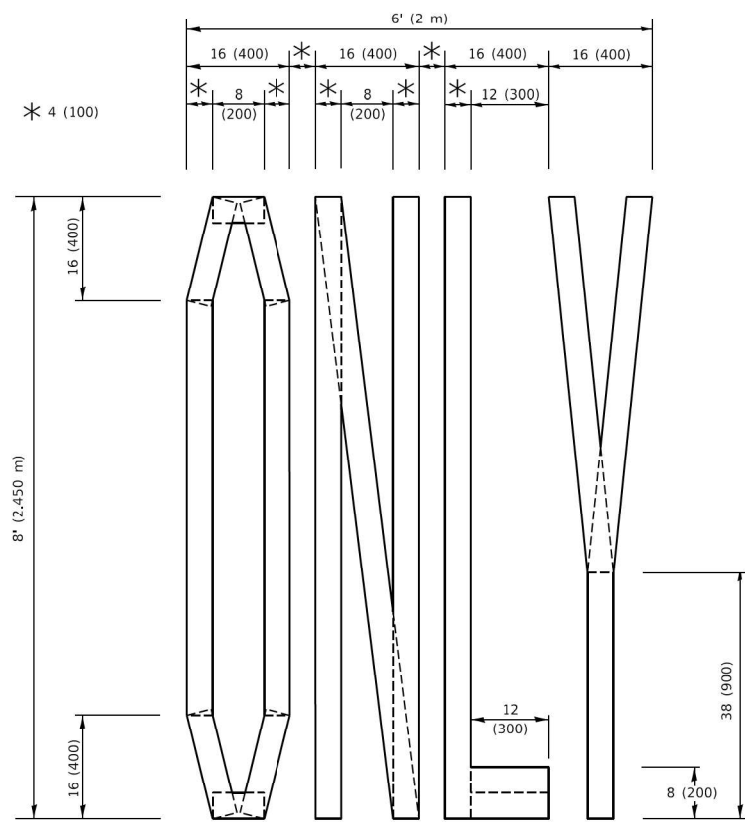
**QUANTITY**

4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.41 sq. m)



**QUANTITY**

4 (100) LINE = 82.5 ft. (25.1 m)  
27.5 sq. ft. (2.53 sq. m)

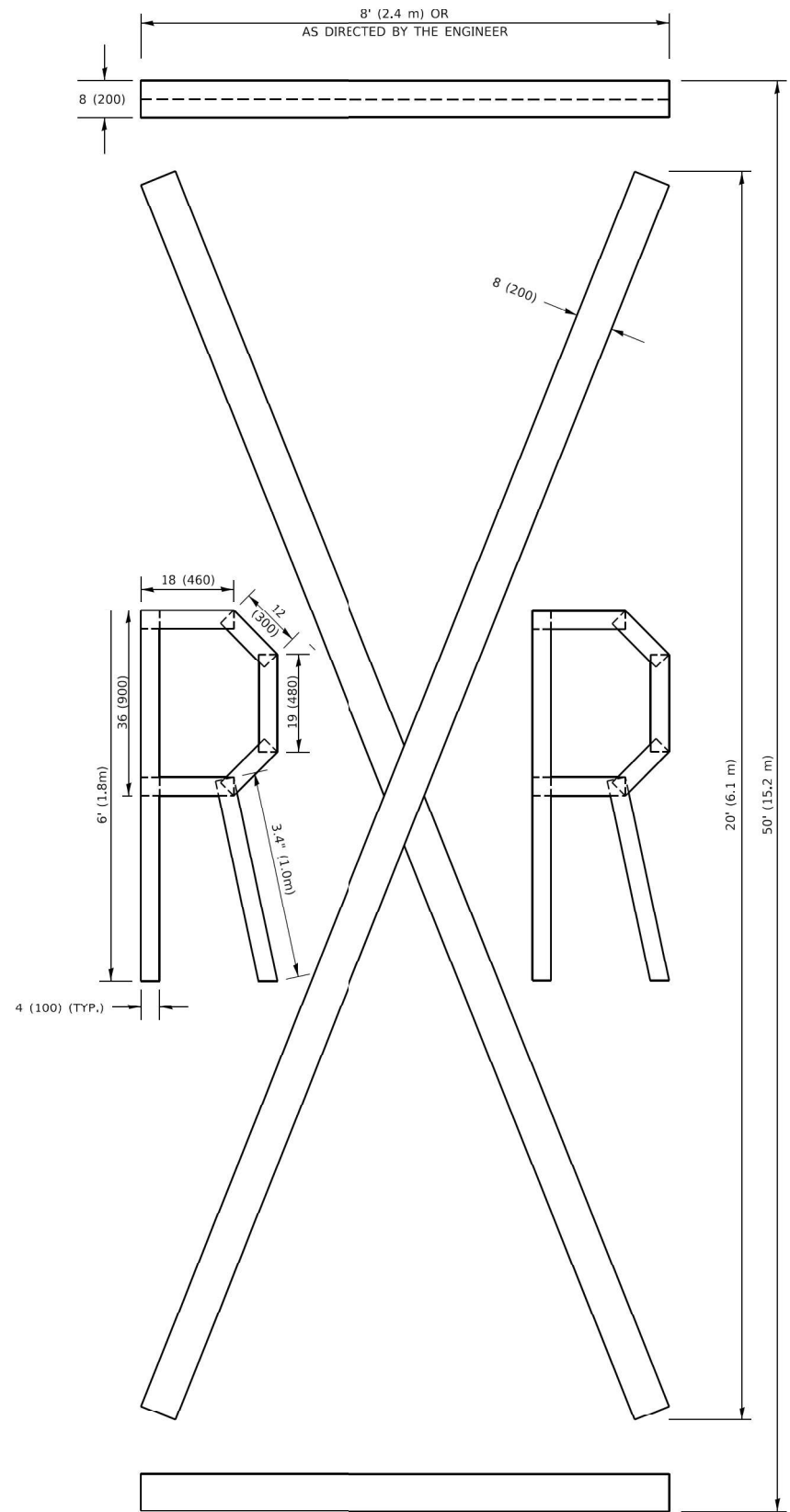


**QUANTITY**

4 (100) LINE = 64.1 ft. (19.5 m)  
21.4 sq. ft. (1.99 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**

4 (100) LINE = 225.9 ft. (68.9 m)  
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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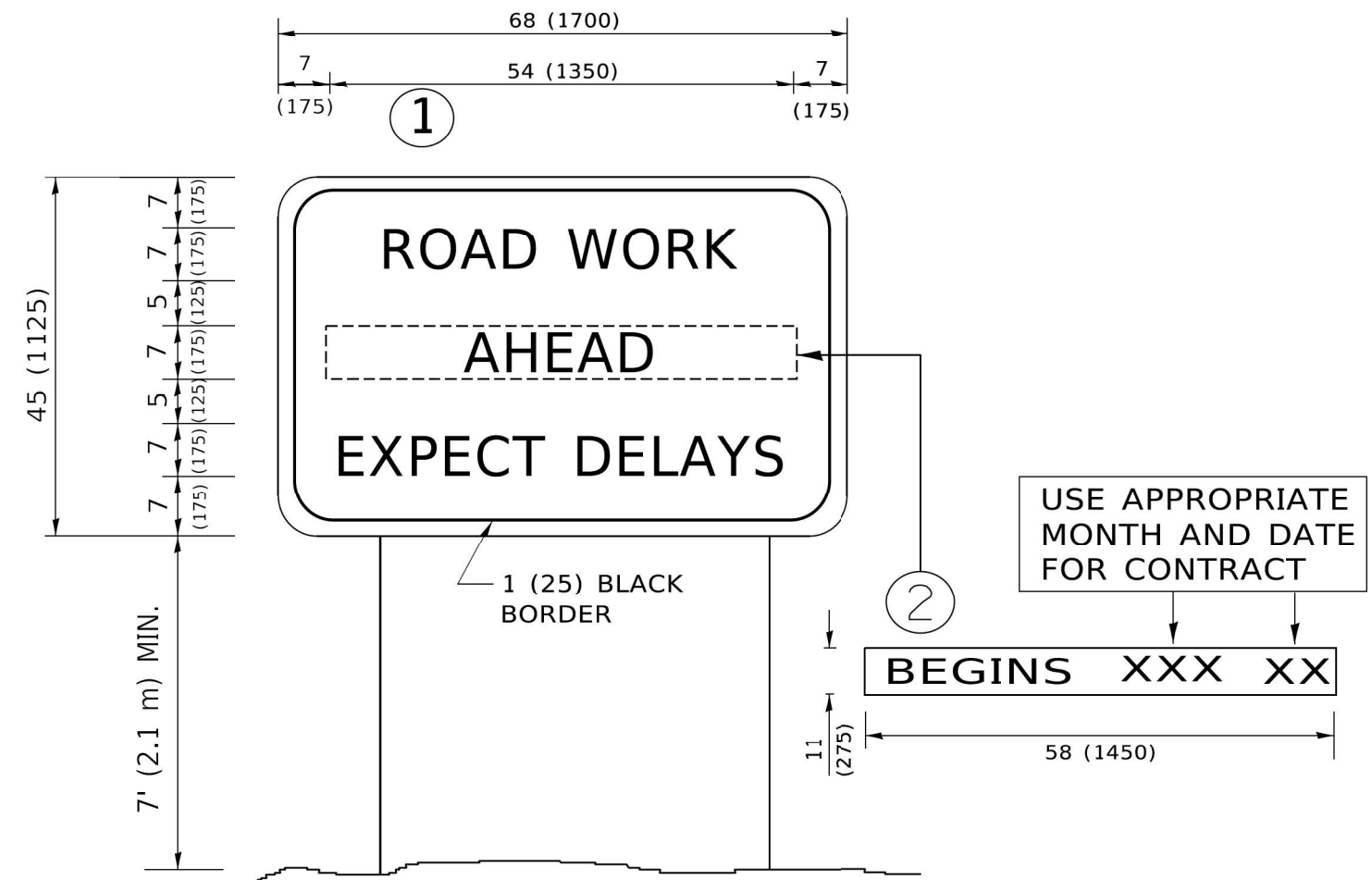
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-R5	MCHENRY	57	54
<b>TC-16</b>			CONTRACT NO. 62N44	
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.

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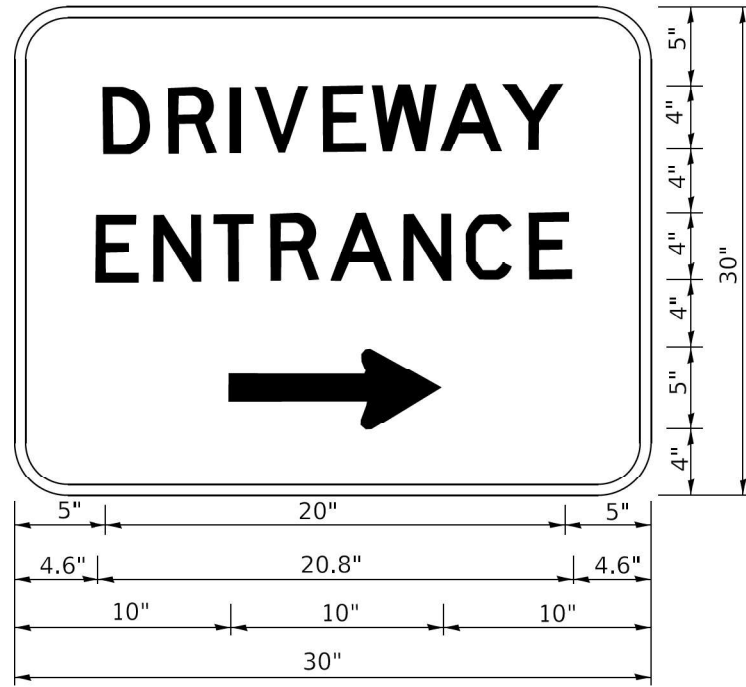
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**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.
305	2021-021-RS	MCHENRY	57	55
<b>TC-22</b>			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

NODE: Default  
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USER NAME = footemj	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / 1/16"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

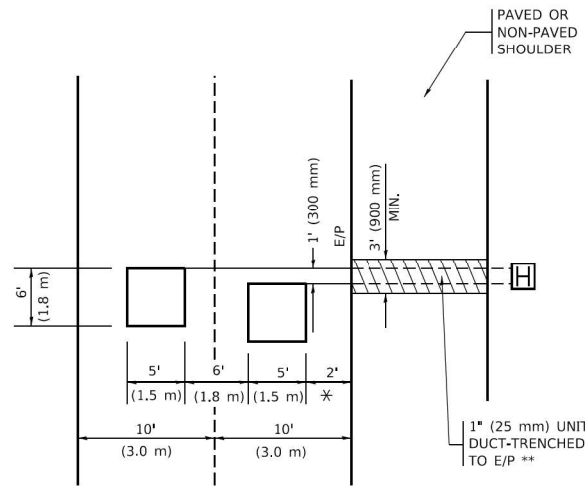
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-RS	MCHENRY	57	56
<b>TC-26</b>			CONTRACT NO. 62N44	
ILLINOIS FED. AID PROJECT				



**LOOPS NEXT TO SHOULDERS**

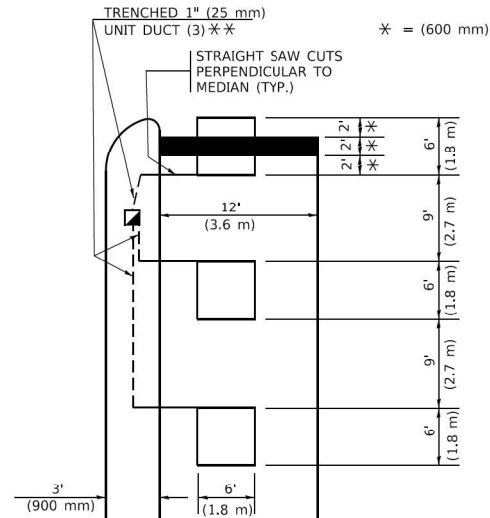
PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



\* = (600 mm)  
 \*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

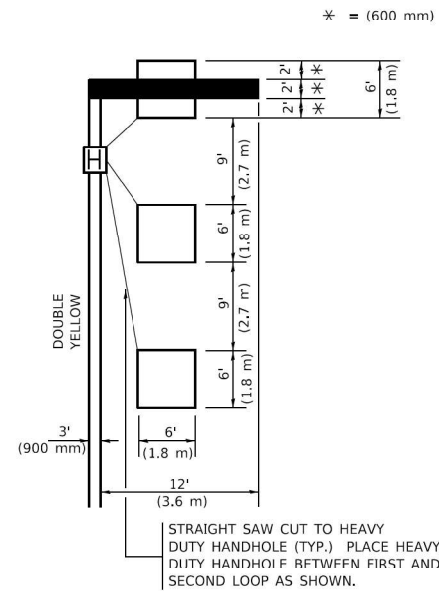
**LEFT TURN LANES WITH MEDIANS**  
**VOLUME DENSITY ("FAR OUT" DETECTION)**  
**ON SAME APPROACH**  
**(PROTECTED / PERMITTED LEFT TURN PHASING)**

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



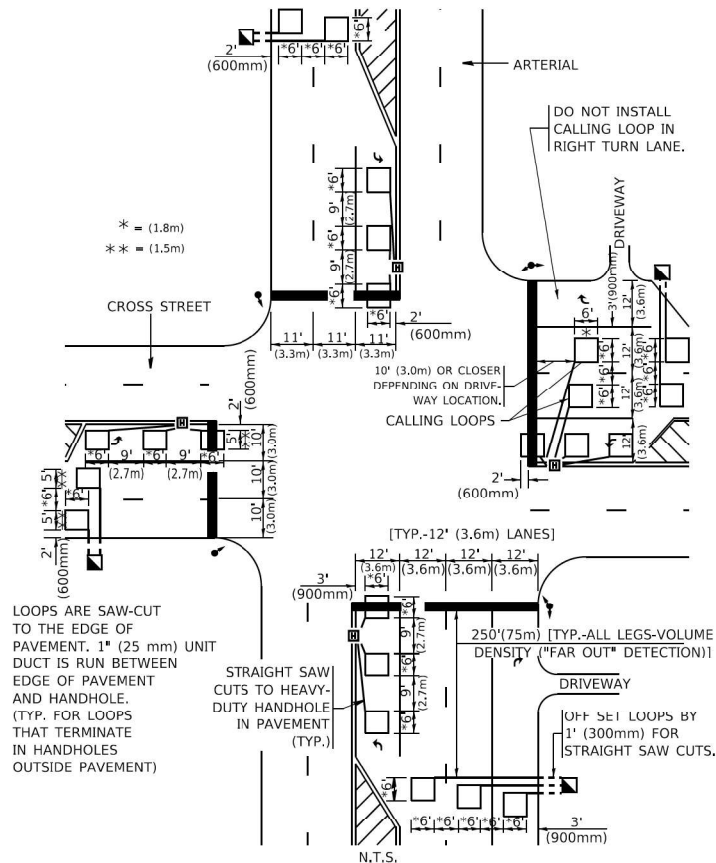
\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.  
 NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS**  
**VOLUME DENSITY ("FAR OUT" DETECTION)**  
**ON SAME APPROACH**  
**(PROTECTED / PERMITTED LEFT TURN PHASING)**



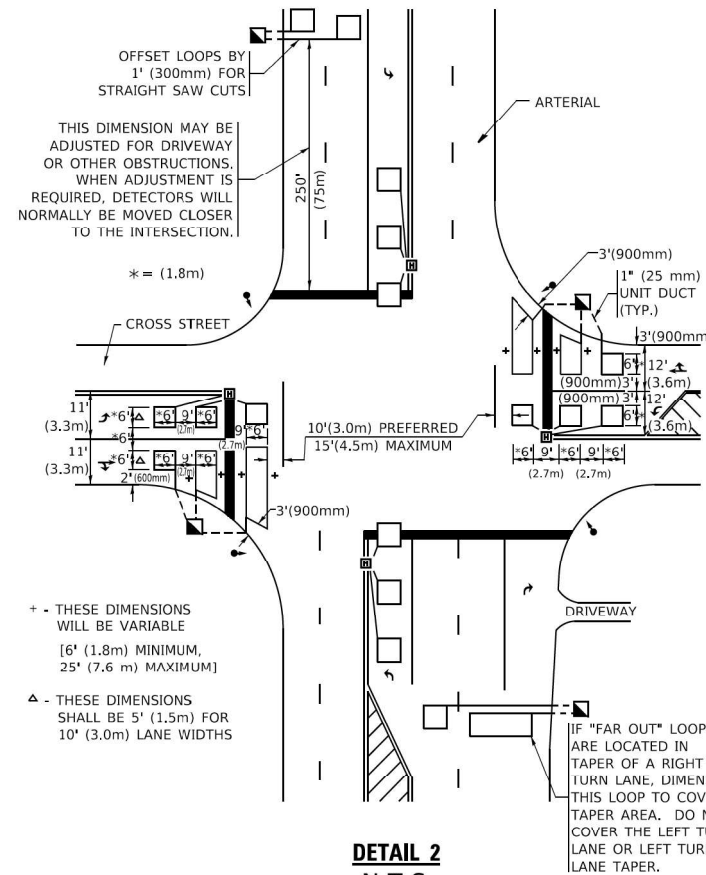
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1**  
 N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2**  
 N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - R.K.F.	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

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

<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION</b>	
<b>DETAILS FOR ROADWAY RESURFACING</b>	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2021-021-RS	MCHENRY	57	57
<b>TS-07</b>		CONTRACT NO. 62N44		
ILLINOIS / FED. AID PROJECT				