

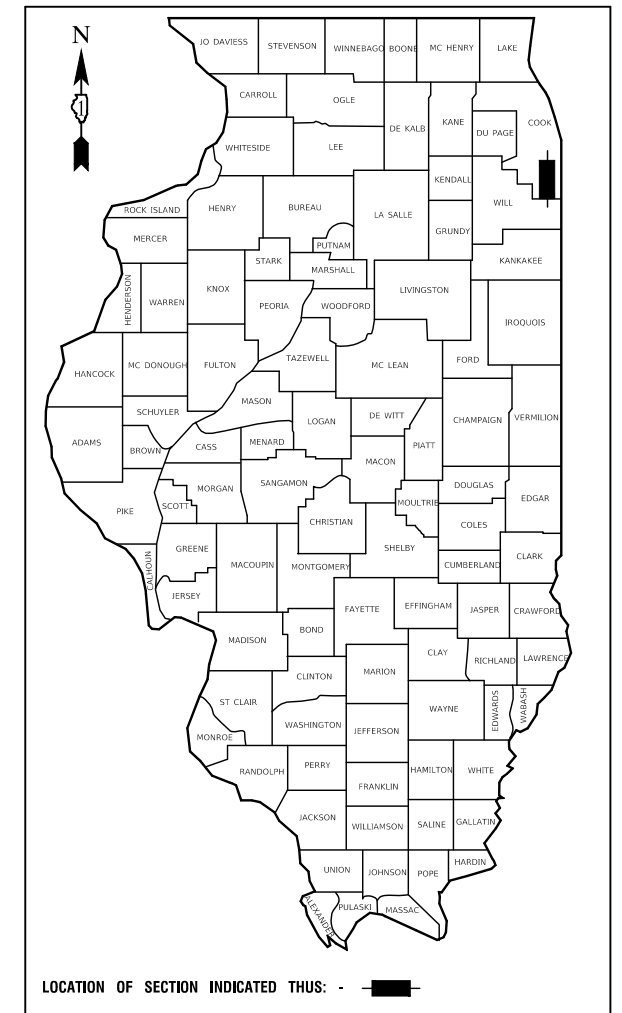
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	1
ILLINOIS			CONTRACT NO. 61J24	

01-20-2023 LETTING ITEM 053

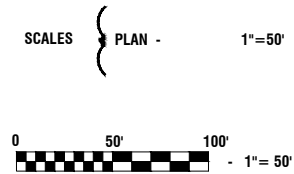
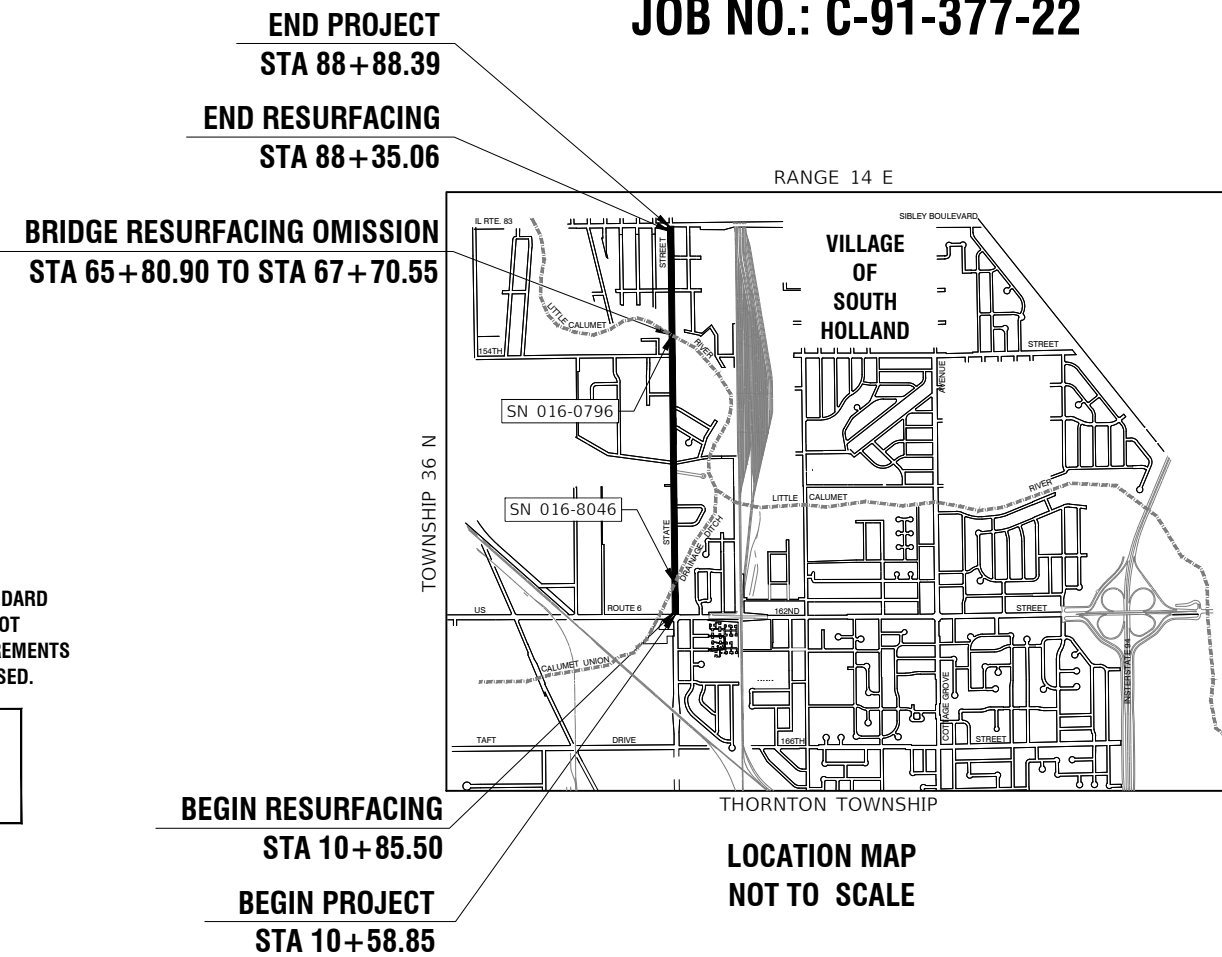
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL AID PROJECT

FAU ROUTE 2906 (STATE STREET)  
US ROUTE 6 TO SIBLEY BOULEVARD (IL ROUTE 83)  
ROADWAY RESURFACING  
SECTION NO.: 22-00115-00-RS  
PROJECT NO.: 95KT(361)  
VILLAGE of SOUTH HOLLAND  
COOK COUNTY  
JOB NO.: C-91-377-22



<b>STATE STREET</b>	
<b>US ROUTE 6 TO SIBLEY BOULEVARD</b>	
2021 ADT-	12,200
POSTED SPEED LIMIT-	35 MPH
FUNCTIONAL CLASSIFICATION-	MINOR ARTERIAL



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

062-058722  
REGISTERED PROFESSIONAL ENGINEER  
11/09/2022

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	9-29-2022
	VILLAGE OF SOUTH HOLLAND, MAYOR
PASSED	NOV 2, 2022
	DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	November 2, 2022
	REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF  
THE STATE OF ILLINOIS

I.D.O.T. FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, PE, SCHAUMBURG, IL  
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61J24

GROSS LENGTH= 7,830 FEET= 1.48 MILES  
NET LENGTH= 7,560 FEET= 1.43 MILES

## INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7-8	TYPICAL CROSS SECTIONS
9-11	ALIGNMENT, TIES AND BENCHMARKS
12-15	PROPOSED IMPROVEMENT PLAN
16-19	PAVEMENT MARKING AND SIGNAGE PLAN
20	DETECTOR LOOP REPLACEMENT - US ROUTE 6
21	DETECTOR LOOP REPLACEMENT - SIBLEY BLVD
22-35	IDOT DISTRICT 1 STANDARDS

## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701011-04	OFF FOAD MOVING OPERATIONS, 2L,2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD 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
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
886001-01	DETECTOR LOOP INSTALLATIONS

## DISTRICT ONE DETAILS

BD-01	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)
BD-02	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15'(4.5m)
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

## GENERAL NOTES

- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES NOT SPECIFICALLY CALLED OUT ON THE PLANS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
- THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (708-331-6700), AND THE PUBLIC WORKS DIRECTOR, AT THE VILLAGE OF SOUTH HOLLAND, SHALL BE NOTIFIED TWO (2) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR.
- CLASS D PATCHING QUANTITIES FOR THIS CONTRACT SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER AFTER PAVEMENT MILLING. PATCHES WITHIN THE ROADWAY SHALL BE PERFORMED AFTER MILLING.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- NO PAVEMENT PATCHING SHALL BE PERMITTED AFTER FRIDAY AT 3:00 PM OF EACH AND EVERY WEEK AND NO HOLES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT OR OVER THE WEEKEND.
- ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
- HMA PAVING SHALL BE PERFORMED WITH HOT JOINTS.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

FILE NAME = 22R0706-INDX-01 - P01	USER NAME =	DESIGNED -- BM	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STATE STREET ROADWAY RESURFACING</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -- WPD	REVISED --		INDEX OF SHEETS & STATE STANDARDS, STANDARDS & GENERAL NOTES			2906	22-00115-00-RS	COOK	35	2	
	PLOT SCALE =	DRAWN -- RG	REVISED --		SCALE: NONE			SHEET NO. 2 OF 35 SHEETS		STA.	TO STA.		CONTRACT NO. 61J24
	PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT 95KT(361)				

SUMMARY OF QUANTITIES							FED 80%	FED 80%	FED 80%
							VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
							ROADWAY	SAFETY	TRAINEES
S.P.	S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
							0005	0021	0042
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	350	350			
**		25200110	SODDING, SALT TOLERANT	SQ YD	350	350			
**		25200200	SUPPLEMENTAL WATERING	UNIT	9	9			
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	7	7			
		28000510	INLET FILTERS	EACH	94	94			
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,200	633	567		
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	33,072	33,072			
BDE		40600370	LONGITUDINAL JOINT SEALANT	FOOT	24,520	24,520			
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	338	338			
D1		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	6,359	6,359			
D1		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	5,776	5,776			
**		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	179	179			
**		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,802		4,802		
**		42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	283		283		
**		42400800	DETECTABLE WARNINGS	SQ FT	525		525		
		44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	49,000	49,000			
**		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	633	633			
		44000300	CURB REMOVAL	FOOT	39	39			

FILE NAME = 22R0709-QUAN-01 - 001

USER NAME =	DESIGNED -- BM	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET NO. 3	OF 35 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	3
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT 95KT(061)				

SUMMARY OF QUANTITIES							FED 80%	FED 80%	FED 80%
							VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
							ROADWAY	SAFETY	TRAINEES
S.P.	S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
							0005	0021	0042
**		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,016	4,016			
**		44000600	SIDEWALK REMOVAL	SQ FT	5,109		5,109		
		44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	120	120			
		44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	70	70			
		44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	140	140			
**		60266600	VALVE BOXES TO BE ADJUSTED	EACH	9	9			
		60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3			
		60600605	CONCRETE CURB, TYPE B	FOOT	39	39			
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	4,016	4,016			
**	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10	10			
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1			
	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
	*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	7	7			
		67100100	MOBILIZATION	L SUM	1	1			
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
		70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1			

FILE NAME = 22R0706-QUAN-01 - 002

USER NAME =	DESIGNED -- BM	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- APG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES				F.A.U. RTE. 2906	SECTION 22-00115-00-RS	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 4
SCALE:	SHEET NO. 4	OF 35 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 05KT(351) CONTRACT NO. 61J24			

SUMMARY OF QUANTITIES							FED 80%	FED 80%	FED 80%
							VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
							ROADWAY	SAFETY	TRAINEES
S.P.	S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
							0005	0021	0042
		70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	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			
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	70	70			
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,370		4,370		
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,460		1,460		
	*	72000100	SIGN PANEL - TYPE 1	SQ FT	91		91		
	*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	12		12		
	*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	34		34		
	*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	186		186		
	*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	437		437		
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	25,220		25,220		
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,000		2,000		
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,240		2,240		
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	460		460		
	*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	723		723		
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	723		723		
D1	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,079	1,079			

FILE NAME = 22R0709-QUAN-01 - 003

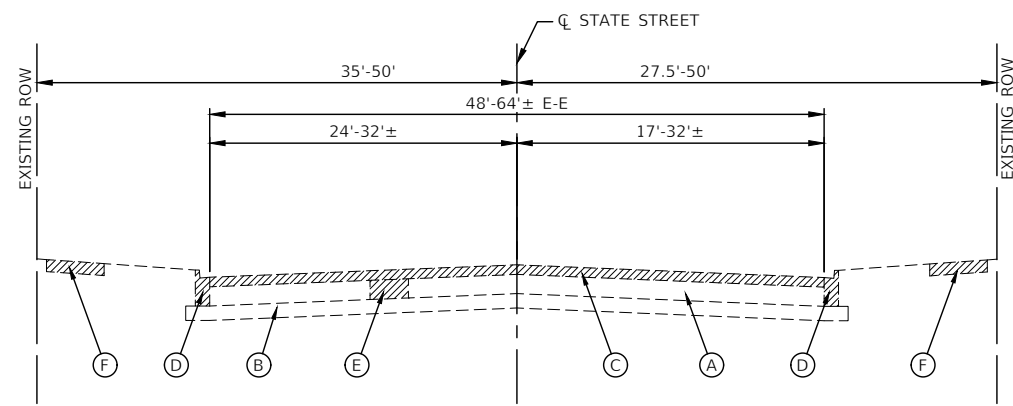
USER NAME =	DESIGNED -- BM	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE -- 11-07-2022	CHECKED -- APG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES		F.A.U. RTE. 2906	SECTION 22-00115-00-RS	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 5
SCALE:	SHEET NO. 5	OF 35 SHEETS	STA.	TO STA.	CONTRACT NO. 61J24	
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 95KT(381)		

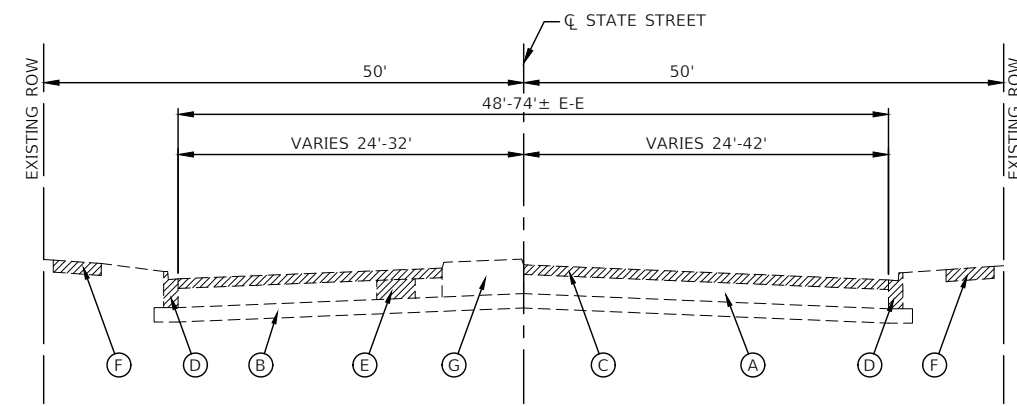
SUMMARY OF QUANTITIES						FED 80%	FED 80%	FED 80%
						VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
						ROADWAY	SAFETY	TRAINEES
S.P.	S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
						0005	0021	0042
D1	*	89502376	REBUILD EXISTING HANDHOLE	EACH	4	4		
D1		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	32	32		
D1		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7		
**		Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	454	454		
**		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	187	187		
**		Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	2	2		
D1		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	56	56		
BDE		Z0076600	TRAINEES	HOUR	500			500
BDE		Z0076604	TRAINING PROGRAM GRADUATE	HOUR	500			500





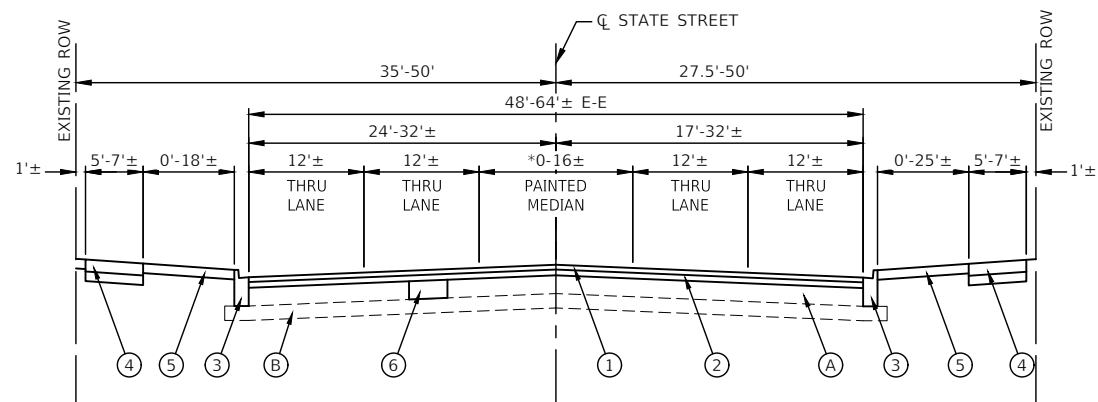
**EXISTING TYPICAL SECTION**

STATE STREET  
 STA 36+33 TO STA 58+94  
 STA 62+87 TO STA 81+67



**EXISTING TYPICAL SECTION**

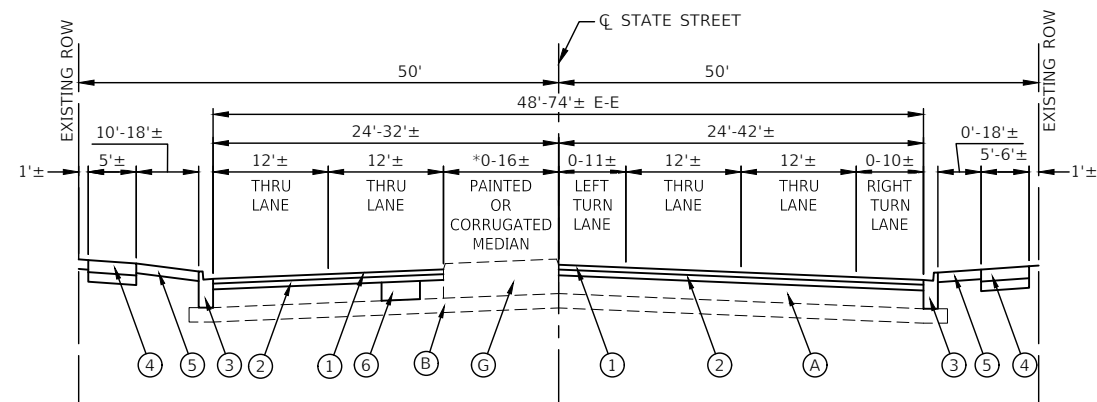
STATE STREET  
 STA 81+67 TO STA 88+35.06



**PROPOSED TYPICAL SECTION**

\*MEDIAN TRANSITIONS:  
 STA 36+33 TO STA 43+36 FROM 16' TO 0'  
 STA 55+03 TO STA 58+94 FROM 0' TO 16'  
 STA 62+87 TO STA 66+12 FROM 16' TO 0'

STATE STREET  
 STA 36+33 TO STA 58+94  
 STA 62+87 TO STA 81+67



**PROPOSED TYPICAL SECTION**

\*MEDIAN TRANSITIONS:  
 STA 81+67 TO STA 84+35 FROM 0' TO 16'  
 STA 84+35 TO STA 86+25 FROM 16' TO 5'  
 (C) BEGINS STA 83+11

STATE STREET  
 STA 81+67 TO STA 88+35.06

RIGHT TURN LANE TRANSITIONS:  
 STA 84+34 TO STA 86+19 FROM 0' TO 10'

**EXISTING LEGEND**

- (A) EXISTING PAVEMENT, 5" TO 15"±
- (B) EXISTING SUBBASE, 5" TO 8"±
- (C) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- (D) EXISTING CURB AND GUTTER, TYPE B-6.18
- (E) PAVEMENT REMOVAL FOR CLASS "D" PATCHED, 8 INCH
- (F) EXISTING SIDEWALK
- (G) EXISTING CORRUGATED PC CONCRETE MEDIAN
- [Hatched Box] ITEM TO BE REMOVED (AS DIRECTED BY ENGINEER)

**NOTE**

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- (4) PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 8" AT DRIVEWAYS ON AGGREGATE BASE COURSE, TYPE B, 4" (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- (5) RESTORATION PER PARKWAY COMPOSITION (AS DIRECTED BY THE ENGINEER)  
 -HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" OR  
 -PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH OR  
 -TOPSOIL FURNISH AND PLACE, 4" WITH SODDING, SALT TOLERANT
- (6) CLASS D PATCHES, 8 INCH (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)

FILE NAME = 22R0706-TYPX-01 - P02

USER NAME =	DESIGNED -- BM	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STATE STREET ROADWAY RESURFACING TYPICAL CROSS SECTIONS		
SCALE: NONE	SHEET NO. 8 OF 35 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	8
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				



US ROUTE 6  
162ND STREET

P.I. STA 10+00  
NORTH=1797966.698  
EAST=1180163.717

STA 15+00  
NORTH=1798466.674  
EAST=1180158.839

STA 20+00  
NORTH=1798966.651  
EAST=1180153.961

10

STATE

15

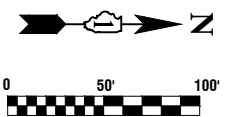
N00°33'32"W

STREET

MATCHLINE STA 20+00

BEGIN OF PROJECT  
STA 10+58.85

BENCHMARK #15  
NORTH=1798751.397  
EAST=1180187.911



BENCHMARK #16  
NORTH=1799558.078  
EAST=1180107.150

160TH STREET

SOUTH SUBURBAN  
COLLEGE ENTRANCE

STA 25+00  
NORTH=1799466.627  
EAST=1180149.083

STA 30+00  
NORTH=1799966.603  
EAST=1180144.205

MATCHLINE STA 20+00

STATE

N00°33'32"W

STREET

MATCHLINE STA 32+00

159TH STREET

MATCHLINE STA 32+00

STA 35+00  
NORTH=1800466.579  
EAST=1180139.327

158TH STREET

STA 40+00  
NORTH=1800966.555  
EAST=1180134.449

157TH STREET

STATE

N00°33'32"W

STREET

MATCHLINE STA 44+00

158TH PLACE

BENCHMARK #17  
NORTH=1800550.601  
EAST=1180176.686

ROBIN LANE

**NOTES**

- COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983
- SURVEY FEET UNITS WERE USED.
- ALL ELEVATIONS REFER TO NAVD88 DATUM.

**BENCHMARKS**

BENCHMARK #15  
CROSS ON TOP OF NORTHWEST SIDE OF CONC BASE FOR LIGHT ON EAST SIDE STATE ST, FIRST LIGHT POLE NORTH OF CALUMET UNON DRAINAGE DITCH  
ELEV=594.44

BENCHMARK #16  
SQUARE ON TOP OF EAST SIDE OF CONC BASE FOR LIGHT POLE ON WEST SIDE STATE ST, FIRST LIGHT POLE NORTH OF 160TH ST.  
ELEV=594.91

BENCHMARK #17  
SQUARE ON NORTHWEST COR OF CONC BASE FOR TRAFFIC SIGNAL AT SOUTHEAST COR STATE ST & 158TH ST.  
ELEV=596.03

FILE NAME = 22R0706-TIES-01 - P01

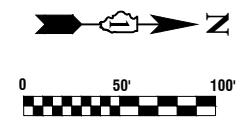
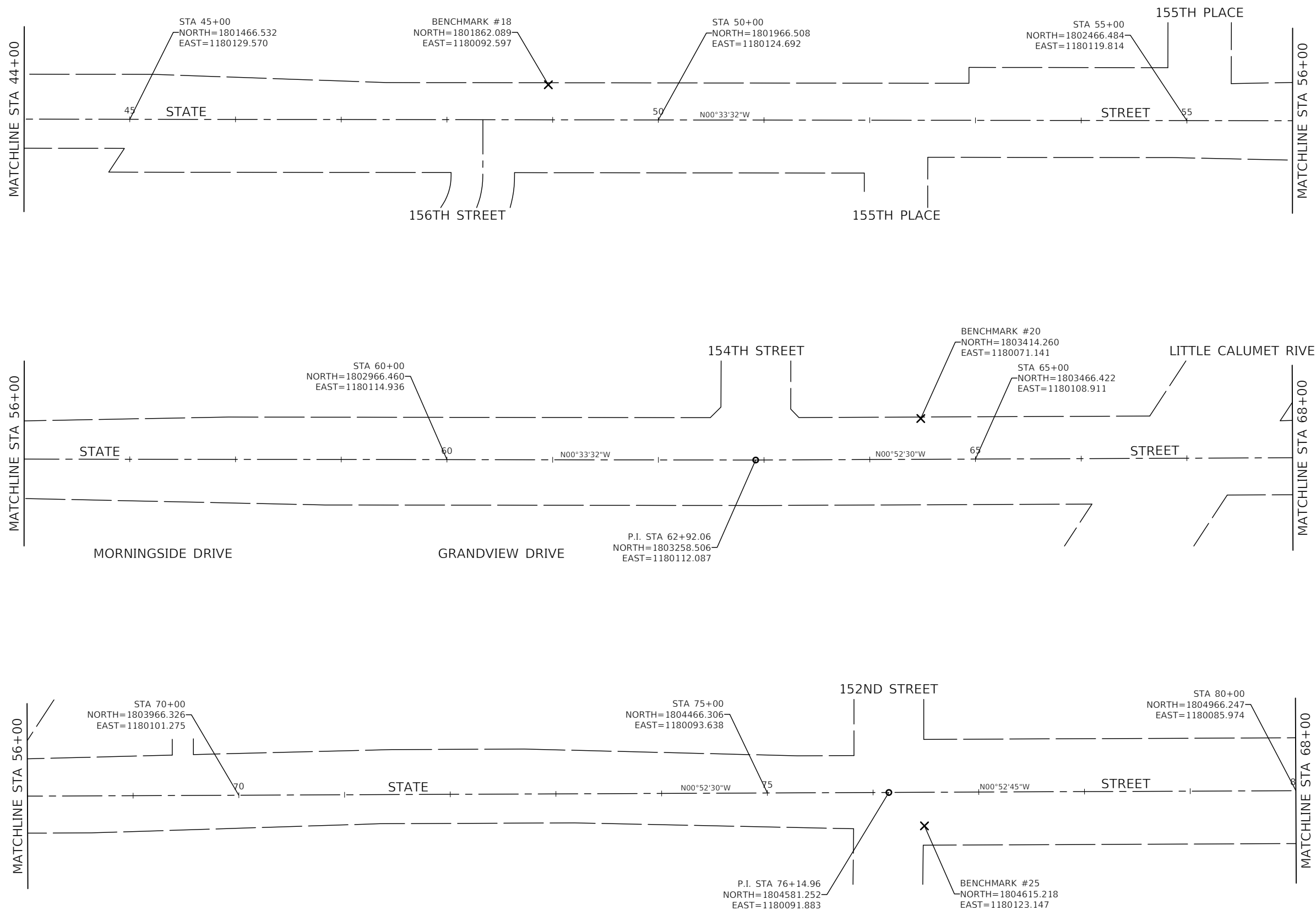
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET  
ROADWAY RESURFACING  
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=50' SHEET NO. 9 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	9
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				



- NOTES**
- COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983
  - SURVEY FEET UNITS WERE USED.
  - ALL ELEVATIONS REFER TO NAVD88 DATUM.

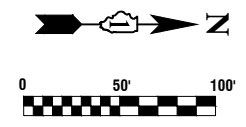
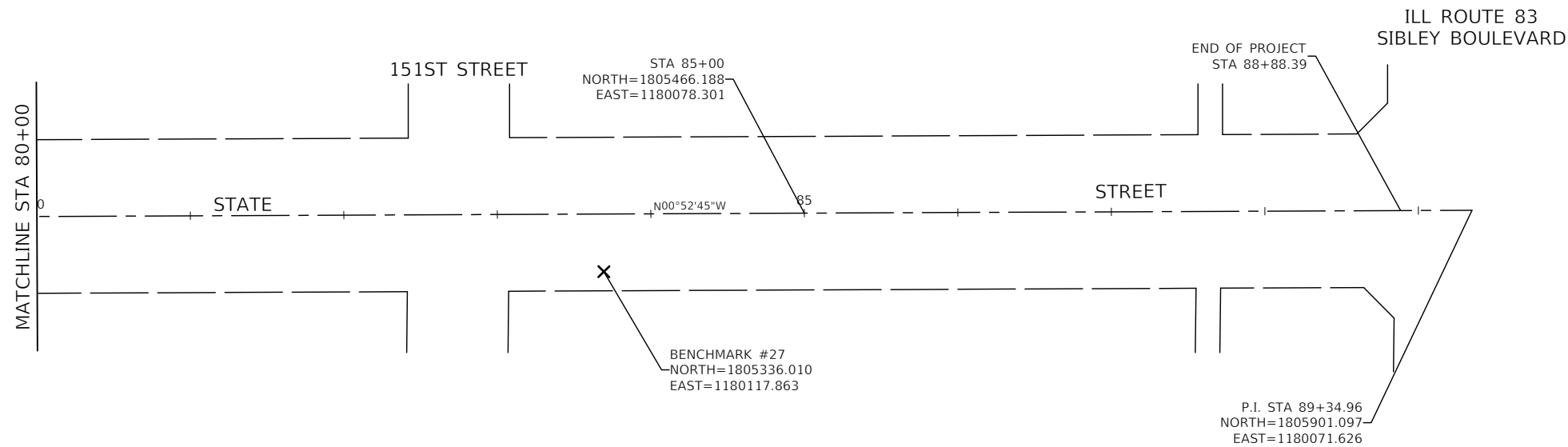
**BENCHMARKS**

**BENCHMARK #18**  
 SQUARE ON EAST SIDE OF CONC BASE FOR LIGHT POLE AT NORTHWEST COR STATE ST & 156TH ST.  
 ELEV=598.69

**BENCHMARK #20**  
 RR SPIKE IN EAST FACE OF PP ON WEST SIDE STATE ST, SECOND PP NORTH OF 154TH ST.  
 ELEV=598.76

**BENCHMARK #25**  
 SQUARE ON WEST SIDE OF CONC BASE FOR LIGHT POLE AT NORTHEAST COR STATE ST & 152ND ST.  
 ELEV=597.96

FILE NAME = 22R0706-TIES-01 - P02	USER NAME =	DESIGNED -- BM	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STATE STREET ROADWAY RESURFACING ALIGNMENT, TIES AND BENCHMARKS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- JDH	REVISED --		2906	22-00115-00-RS	COOK	35	10			
	PLOT SCALE =	DRAWN -- BG	REVISED --		CONTRACT NO. 61J24							
	PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)							
				SCALE: 1"=50'		SHEET NO. 10 OF 35 SHEETS		STA. TO STA.				



**NOTES**

1. COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983
2. SURVEY FEET UNITS WERE USED.
3. ALL ELEVATIONS REFER TO NAVD88 DATUM.

**BENCHMARKS**

BENCHMARK #27  
 SQUARE ON WEST SIDE OF CONC BASE FOR LIGHT POLE ON EAST SIDE STATE ST, FIRST LIGHT POLE NORTH OF 151ST ST.  
 ELEV=597.87

FILE NAME = 22R0706-TIES-01 - P03

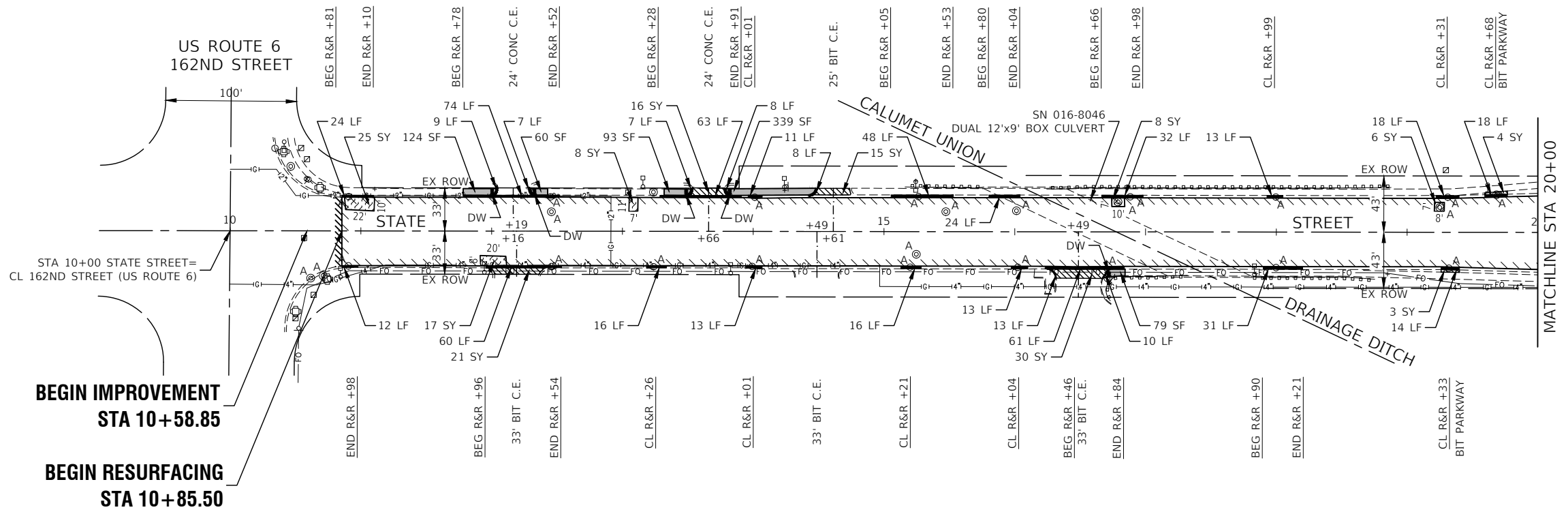
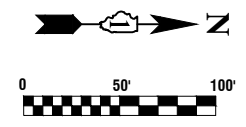
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PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STATE STREET  
 ROADWAY RESURFACING  
 ALIGNMENT, TIES AND BENCHMARKS

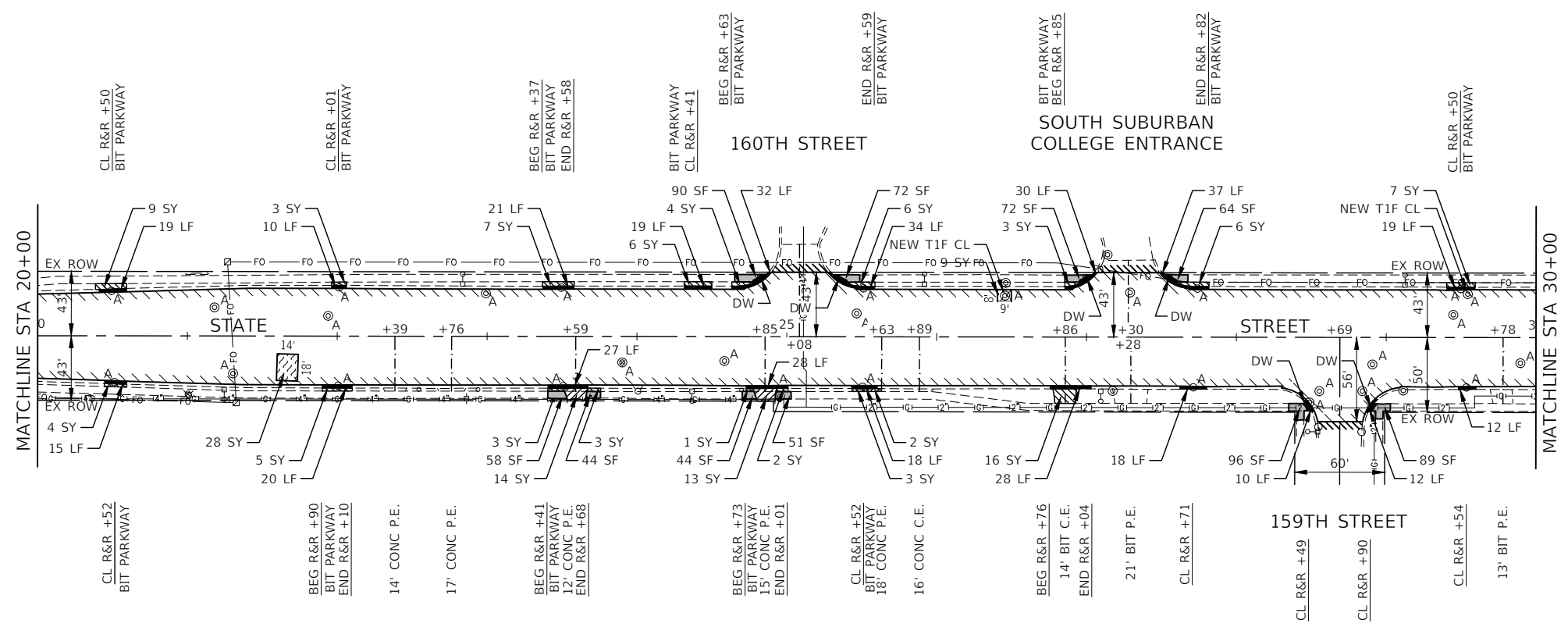
SCALE: 1"=50'      SHEET NO. 11 OF 35 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	11
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				



**BEGIN IMPROVEMENT  
STA 10+58.85**

**BEGIN RESURFACING  
STA 10+85.50**



**LEGEND**

- HMA SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL  
PCC SIDEWALK, 5" (8" THRU DRIVEWAYS)  
AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR  
CLASS D PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL  
HMA DRIVEWAY PAVEMENT, 8"
- DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8"
- DETECTABLE WARNING - DW
- CONCRETE CURB, TYPE B & COMBINATION CONCRETE CURB  
AND GUTTER, B-6.18 REMOVAL AND REPLACEMENT
- "A" STRUCTURE OR VALVE BOX TO BE ADJUSTED
- "R" STRUCTURE TO BE RECONSTRUCTED
- HMA SURFACE REMOVAL - BUTT JOINT
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND  
REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND  
REPLACEMENT
- CL R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND  
REPLACEMENT (UNDER 20 LINEAL FEET)

**NOTE:**

ALL SIDEWALK RAMPS WILL BE IN ACCORDANCE WITH THE  
HIGHWAY STANDARDS REFERENCED ON SHEET 2.

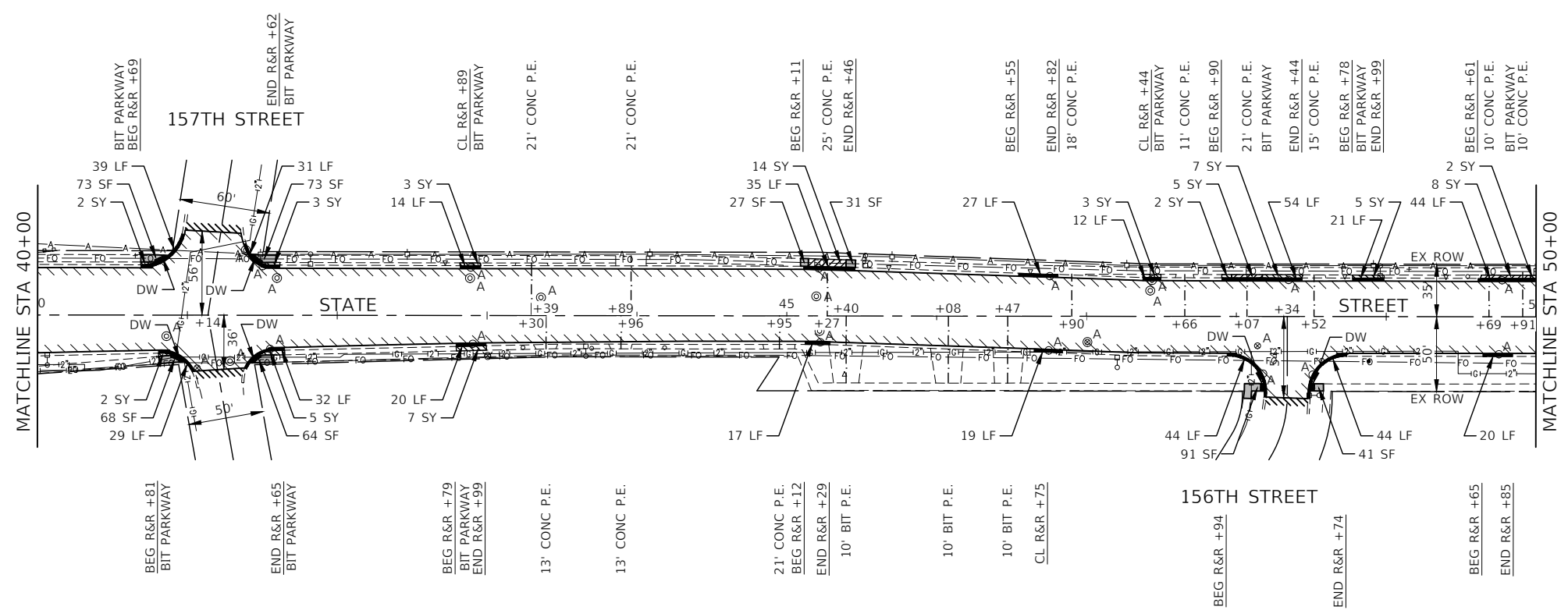
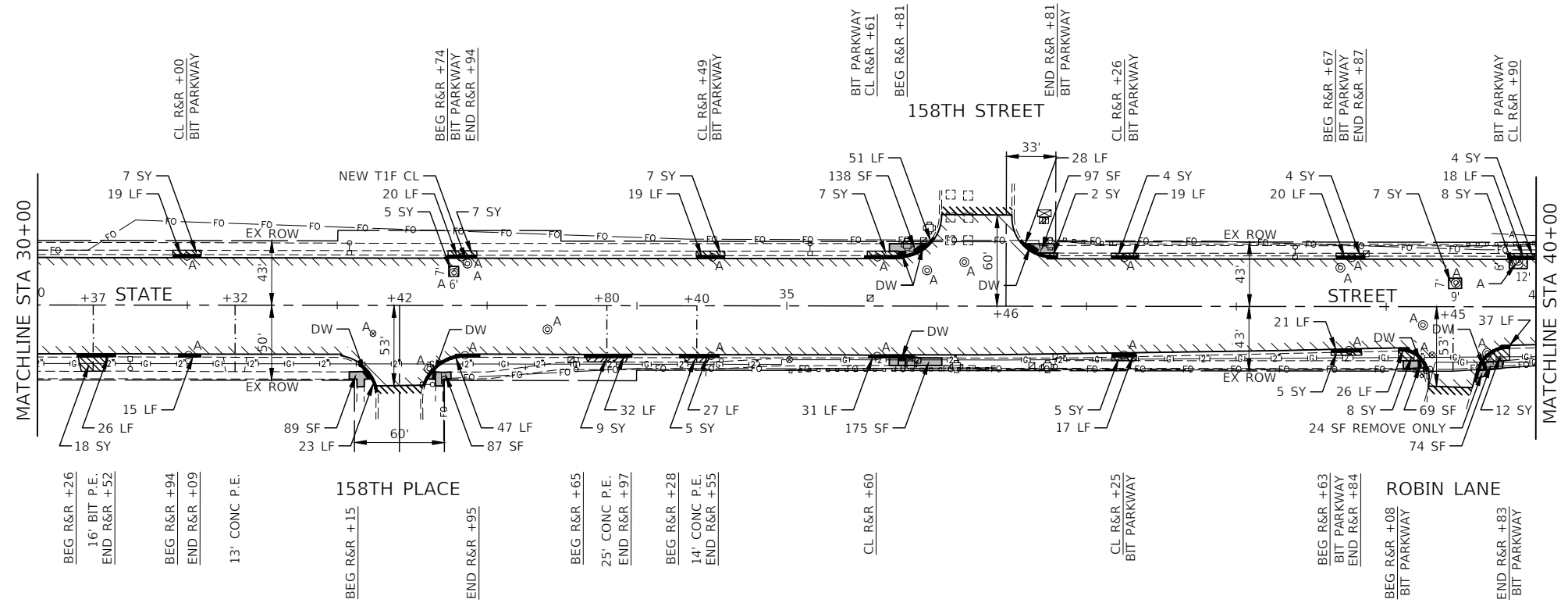
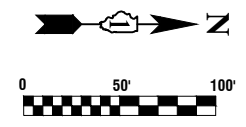
FILE NAME = 22R0706-PLAN-01 - PLAN-01

USER NAME =	DESIGNED -- BM	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STATE STREET ROADWAY RESURFACING PROPOSED IMPROVEMENT PLAN</b>			
SCALE: 1"=50'	SHEET NO. 12 OF 35 SHEETS	STA. 10+52.45 TO STA. 30+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	12
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 95KT(361)		



**LEGEND**

- HMA SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL
- PCC SIDEWALK, 5" (8" THRU DRIVEWAYS)  
AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR  
CLASS D PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL  
HMA DRIVEWAY PAVEMENT, 8"
- DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8"
- DETECTABLE WARNING - DW
- CONCRETE CURB, TYPE B & COMBINATION CONCRETE CURB  
AND GUTTER, B-6.18 REMOVAL AND REPLACEMENT
- "A" STRUCTURE OR VALVE BOX TO BE ADJUSTED
- "R" STRUCTURE TO BE RECONSTRUCTED
- HMA SURFACE REMOVAL - BUTT JOINT
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND  
REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND  
REPLACEMENT
- CL R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND  
REPLACEMENT (UNDER 20 LINEAL FEET)

**NOTE:**

ALL SIDEWALK RAMP WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

FILE NAME = 22R0706-PLAN-01 - PLAN-02

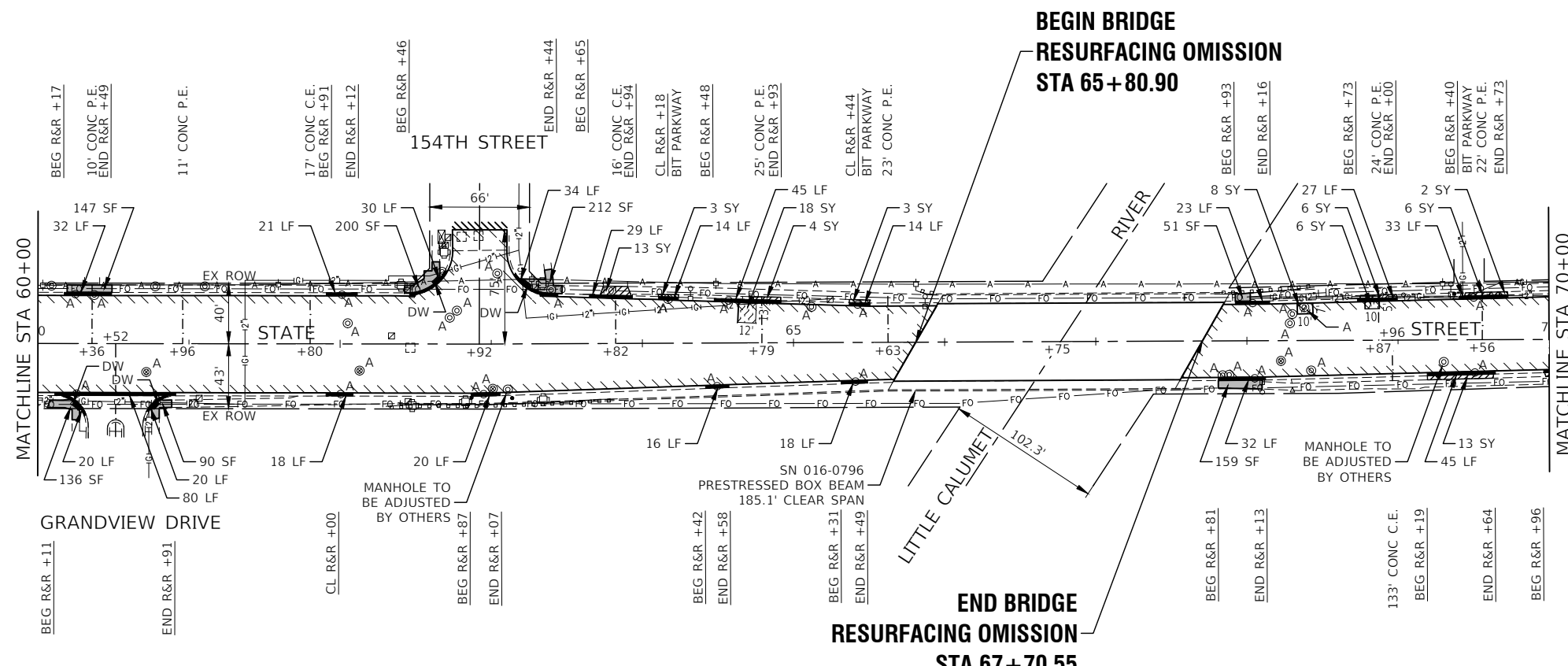
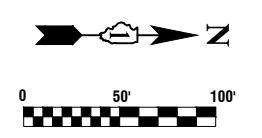
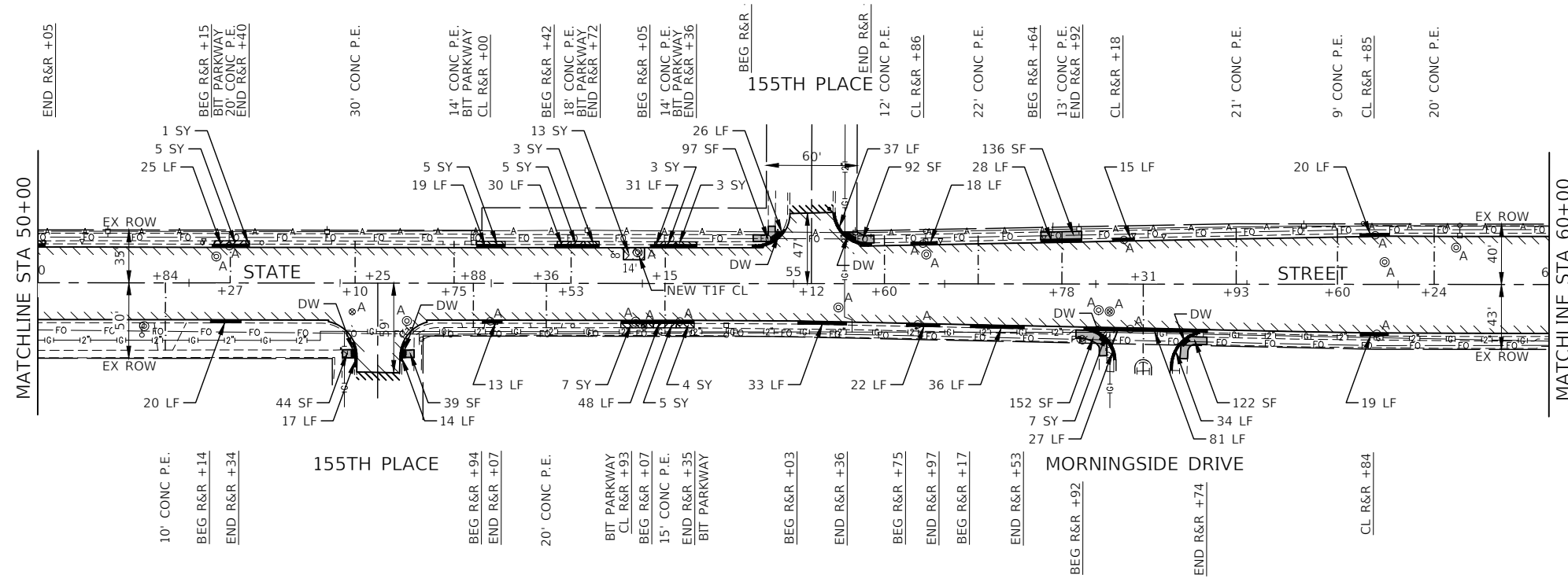
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PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STATE STREET  
ROADWAY RESURFACING  
PROPOSED IMPROVEMENT PLAN**

SCALE: 1"=50'      SHEET NO. 13 OF 35 SHEETS      STA. 30+00 TO STA. 50+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	13
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				



**LEGEND**

- HMA SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL  
PCC SIDEWALK, 5" (8" THRU DRIVEWAYS)  
AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR  
CLASS D PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL  
HMA DRIVEWAY PAVEMENT, 8"
- DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8"
- DETECTABLE WARNING - DW
- CONCRETE CURB, TYPE B & COMBINATION CONCRETE CURB  
AND GUTTER, B-6.18 REMOVAL AND REPLACEMENT
- "A" STRUCTURE OR VALVE BOX TO BE ADJUSTED
- "R" STRUCTURE TO BE RECONSTRUCTED
- HMA SURFACE REMOVAL - BUTT JOINT
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND  
REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND  
REPLACEMENT
- CL R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND  
REPLACEMENT (UNDER 20 LINEAL FEET)

**NOTE:**

ALL SIDEWALK RAMPs WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

FILE NAME = 22R0706-PLAN-01 - PLAN-03

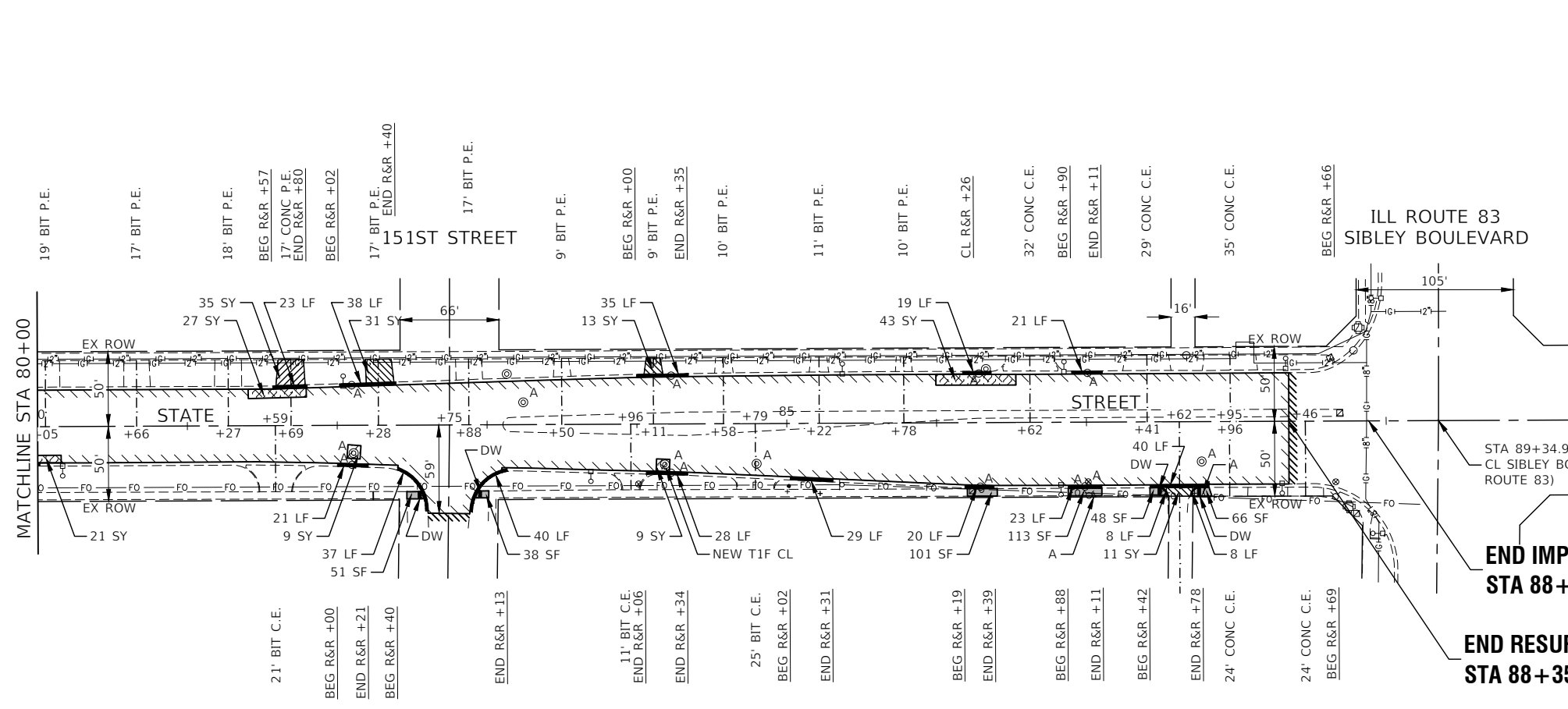
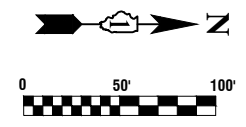
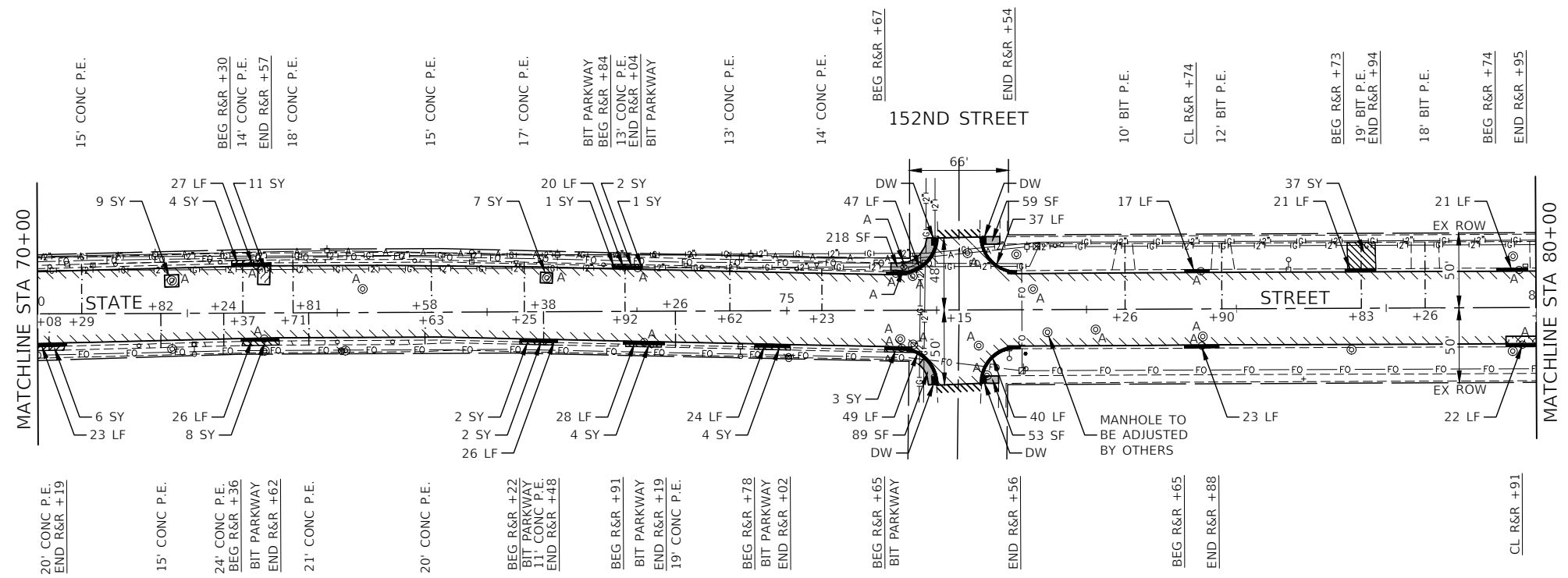
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PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-09-2022	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STATE STREET  
ROADWAY RESURFACING  
PROPOSED IMPROVEMENT PLAN**

SCALE: 1"=50'      SHEET NO. 14 OF 35 SHEETS      STA. 50+00 TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	14
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				



**LEGEND**

- HMA SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL  
PCC SIDEWALK, 5" (8" THRU DRIVEWAYS)  
AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR  
CLASS D PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL  
HMA DRIVEWAY PAVEMENT, 8"
- DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8"
- DETECTABLE WARNING - DW
- CONCRETE CURB, TYPE B & COMBINATION CONCRETE CURB AND GUTTER, B-6.18 REMOVAL AND REPLACEMENT
- "A" STRUCTURE OR VALVE BOX TO BE ADJUSTED
- "R" STRUCTURE TO BE RECONSTRUCTED
- HMA SURFACE REMOVAL - BUTT JOINT
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- CL R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)

**NOTE:**

ALL SIDEWALK RAMPs WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

FILE NAME = 22R0706-PLAN-01 - PLAN-04

USER NAME =	DESIGNED -- BM	REVISED --
CHECKED -- JDH	REVISIONS --	
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET  
ROADWAY RESURFACING  
PROPOSED IMPROVEMENT PLAN

SCALE: 1"=50' SHEET NO. 15 OF 35 SHEETS STA. 70+00 TO STA. 88+92.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	15
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 95KT(361)		



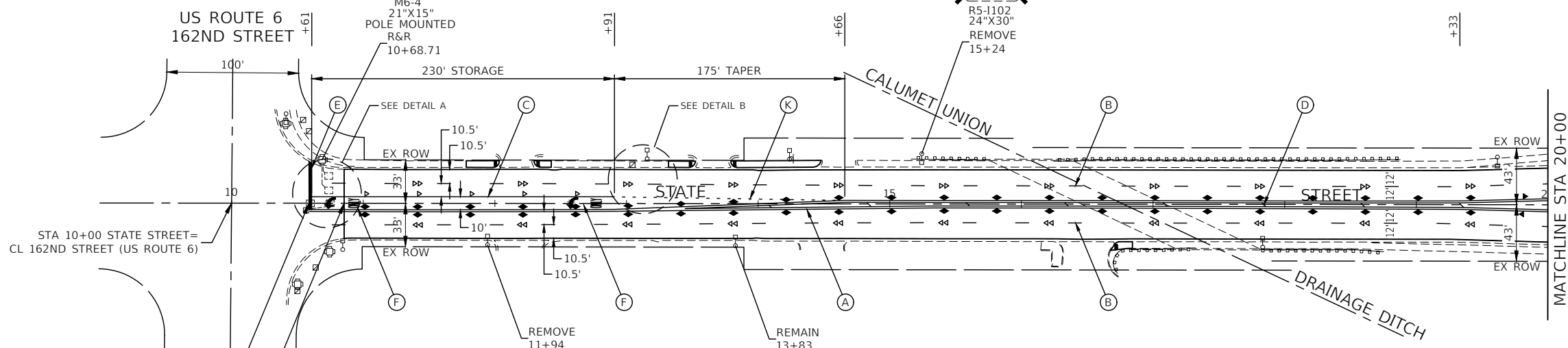
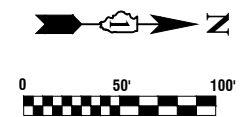
M1-1  
24"



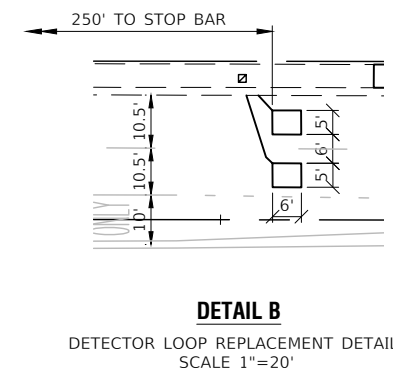
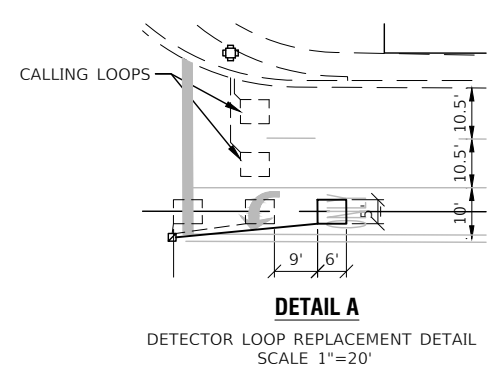
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21"X15"  
POLE MOUNTED  
R&R  
10+68.71



R5-1102  
24"X30"  
REMOVE  
15+24



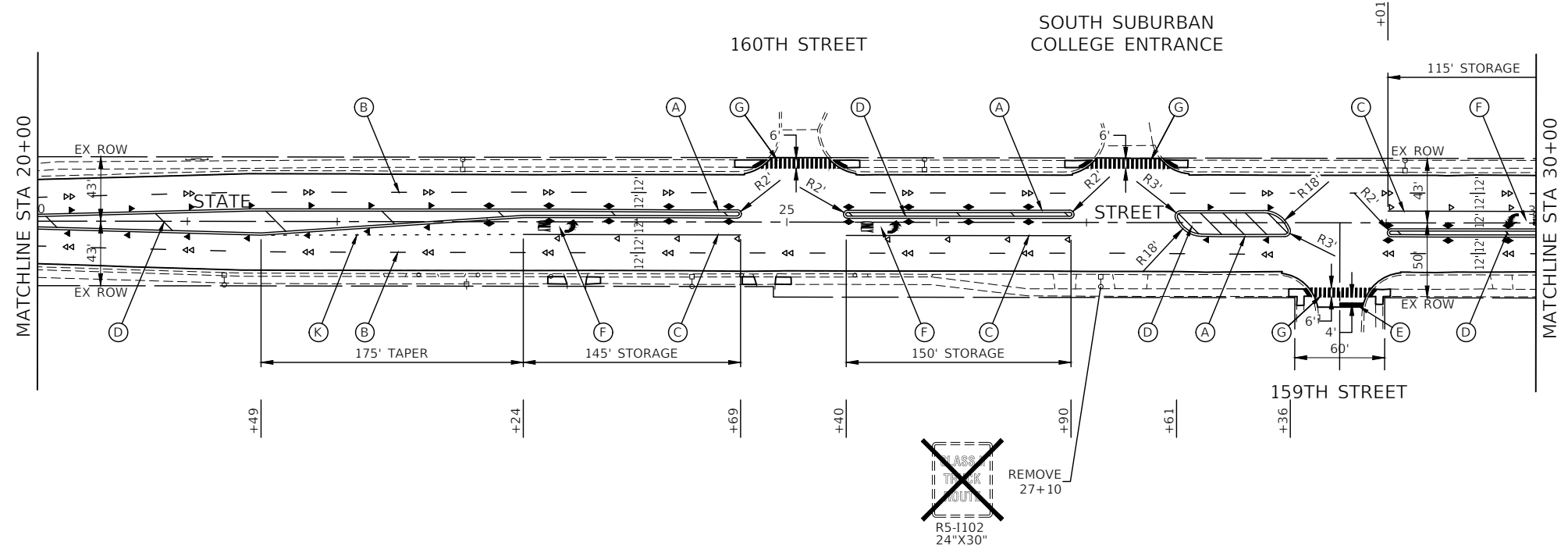
**BEGIN IMPROVEMENT  
STA 10+58.85**  
**BEGIN RESURFACING  
STA 10+85.50**



- PAVEMENT MARKING LEGEND**
- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (11" C-C)
  - (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH (10' LINE-30" SPACE)
  - (C) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE LANE LINE
  - (D) THERMOPLASTIC PAVEMENT MARKING - 12" LINE YELLOW DIAGONAL LINE (75' C-C OR 5 EQUALLY SPACED)
  - (E) THERMOPLASTIC PAVEMENT MARKING - 24" LINE WHITE STOP BAR LINE
  - (F) THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS & SYMBOLS
  - (G) THERMOPLASTIC PAVEMENT MARKING - 12" LINE WHITE CROSS-WALK (3' C-C)
  - (H) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE CROSS-WALK (6' C-C)
  - (J) THERMOPLASTIC PAVEMENT MARKING - 4" LINE YELLOW LINE
  - (K) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE SKIP DASH (2' LINE-6' SPACE)
  - DETECTOR LOOP REPLACEMENT

- RAISED REFLECTIVE PAVEMENT MARKER**
- ▲ ONE-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED
  - ▲ ONE-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED
  - ▲ TWO-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED

- NOTES**
- SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
  - ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.



FILE NAME = 22R0706-PVMK-01 - PVMK-01

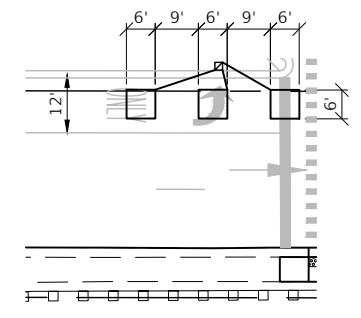
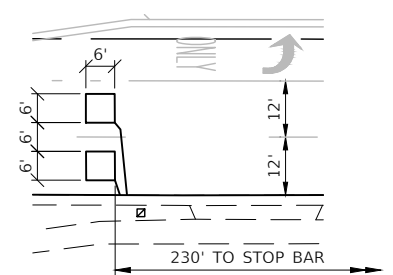
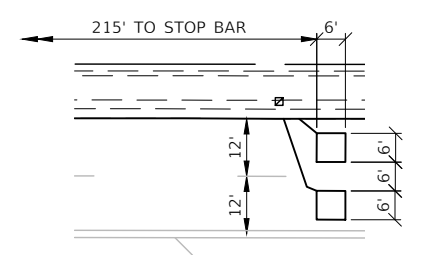
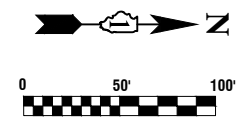
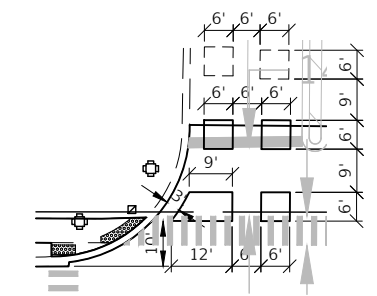
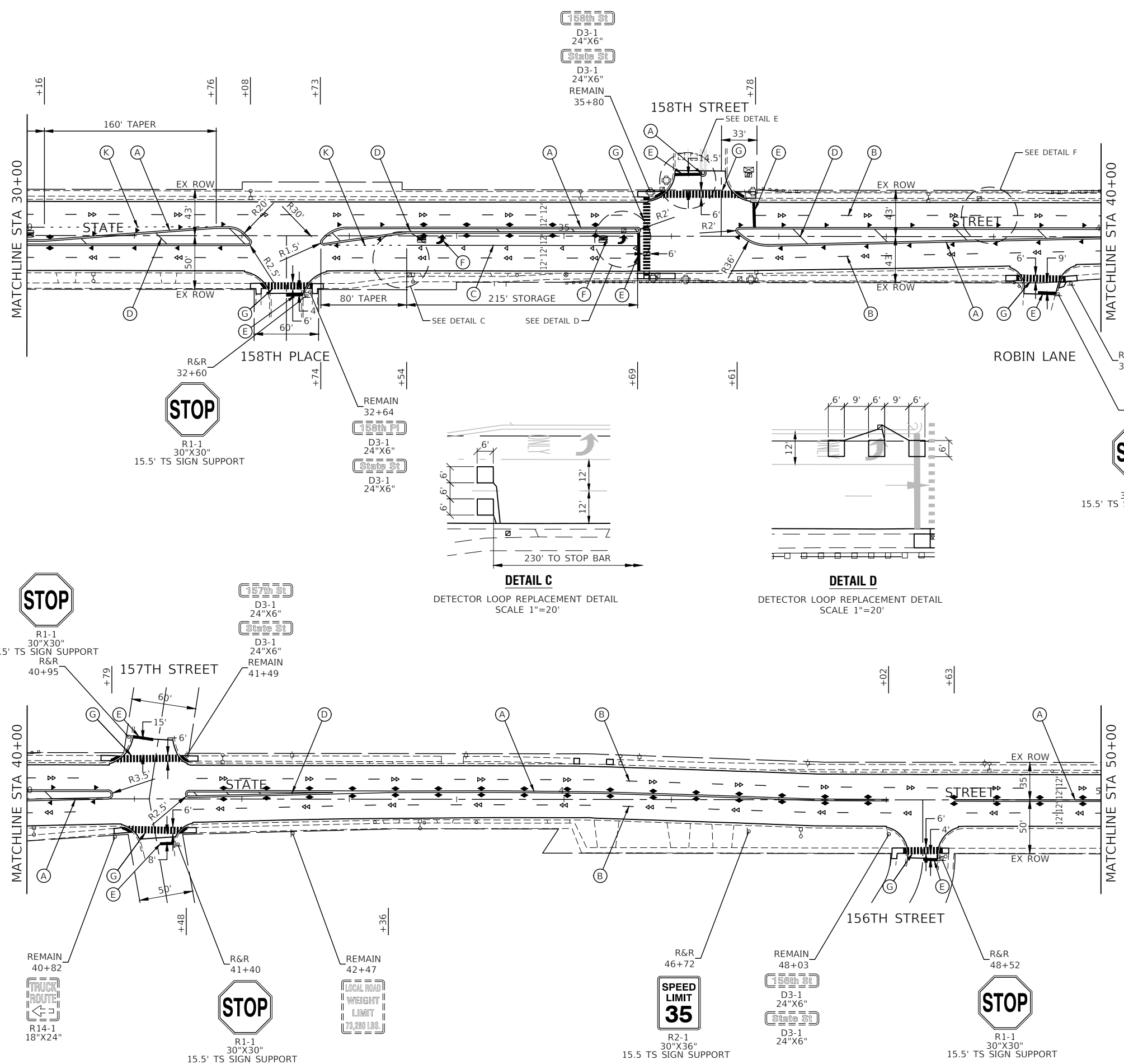
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET ROADWAY RESURFACING PAVEMENT MARKING AND SIGNAGE PLAN	
SCALE: 1"=50'	SHEET NO. 16 OF 35 SHEETS
STA. 10+52.45	TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	16
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	95KT(361)	





**PAVEMENT MARKING LEGEND**

- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (11" C-C)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH (10' LINE-30" SPACE)
- (C) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE LANE LINE
- (D) THERMOPLASTIC PAVEMENT MARKING - 12" LINE YELLOW DIAGONAL LINE (75' C-C OR 5 EQUALLY SPACED)
- (E) THERMOPLASTIC PAVEMENT MARKING - 24" LINE WHITE STOP BAR LINE
- (F) THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS & SYMBOLS
- (G) THERMOPLASTIC PAVEMENT MARKING - 12" LINE WHITE CROSS-WALK (3' C-C)
- (H) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE CROSS-WALK (6' C-C)
- (J) THERMOPLASTIC PAVEMENT MARKING - 4" LINE YELLOW LINE
- (K) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE SKIP DASH (2' LINE-6" SPACE)
- DETECTOR LOOP REPLACEMENT

**RAISED REFLECTIVE PAVEMENT MARKER**

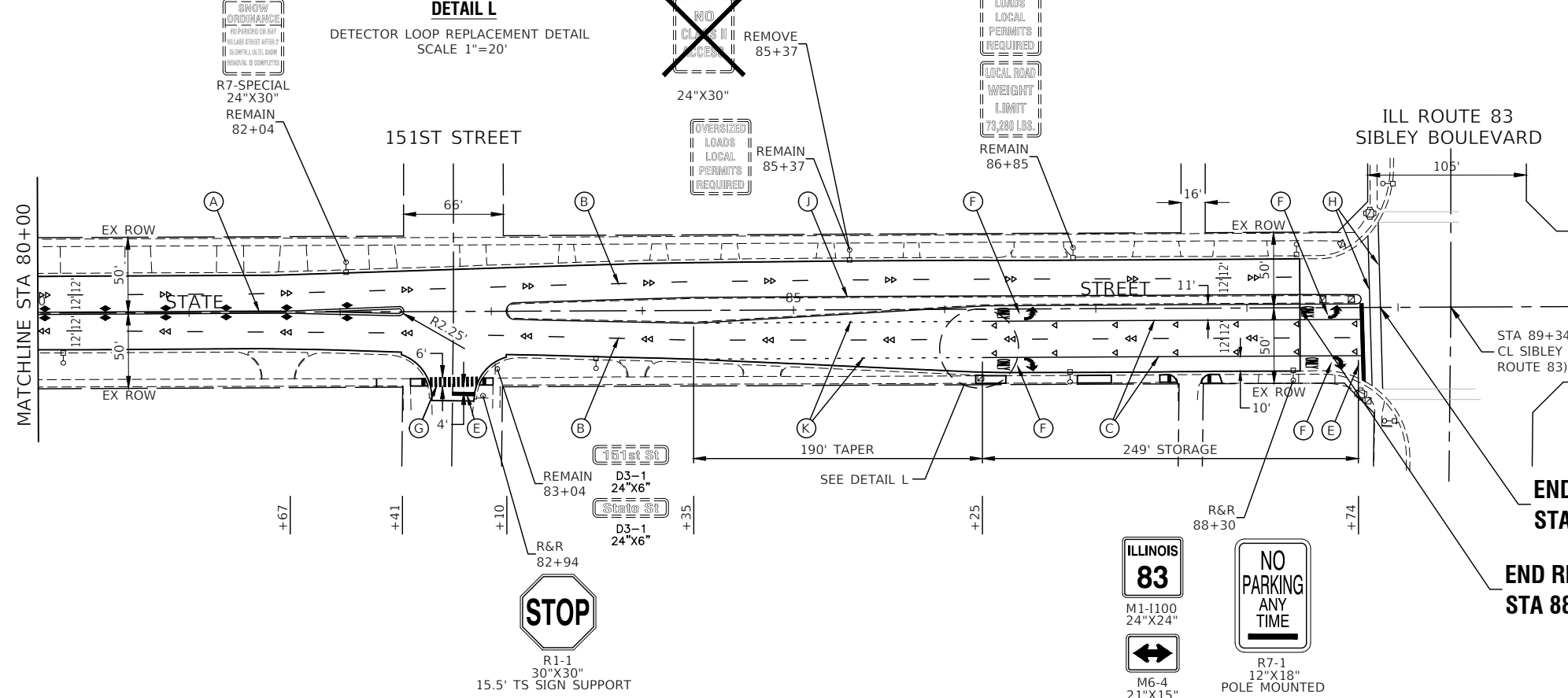
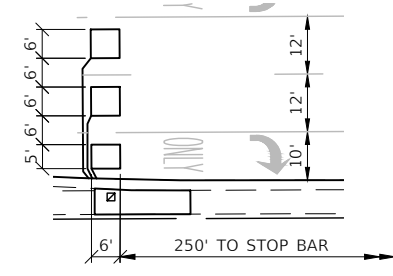
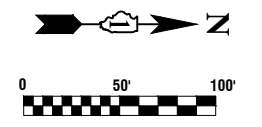
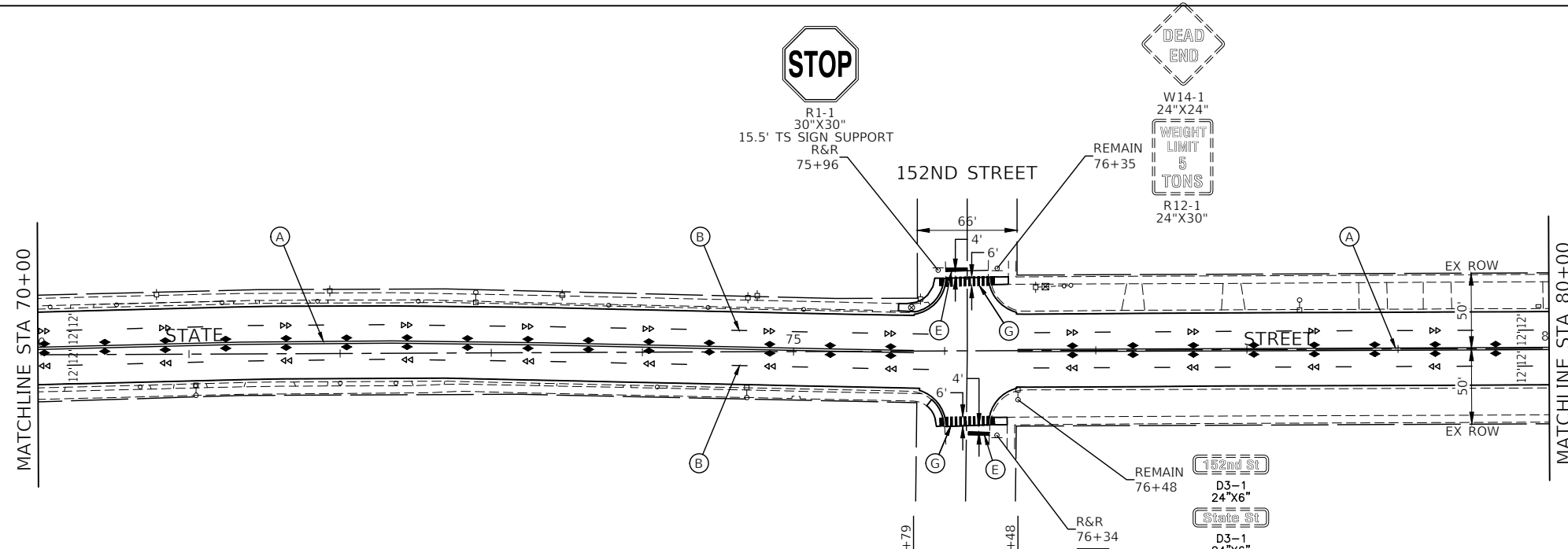
- ▲ ONE-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED
- ▲ ONE-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED
- ◆ TWO-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED

**NOTES**

1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.

FILE NAME = 22R0706-PVMK-01 - PVMK-02	USER NAME =	DESIGNED -- BM	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET ROADWAY RESURFACING PAVEMENT MARKING AND SIGNAGE PLAN			F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- JDH	REVISED --		2906	22-00115-00-RS	COOK	35	17			
PLOT DATE = 11-07-2022	DRAWN -- BG	REVISED --		SCALE: 1"=50'	SHEET NO. 17 OF 35 SHEETS	STA. 30+00 TO STA. 50+00	CONTRACT NO. 61J24					
	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95K(361)								





- ### PAVEMENT MARKING LEGEND
- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (11" C-C)
  - (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH (10' LINE-30" SPACE)
  - (C) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE LANE LINE
  - (D) THERMOPLASTIC PAVEMENT MARKING - 12" LINE YELLOW DIAGONAL LINE (75' C-C OR 5 EQUALLY SPACED)
  - (E) THERMOPLASTIC PAVEMENT MARKING - 24" LINE WHITE STOP BAR LINE
  - (F) THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS & SYMBOLS
  - (G) THERMOPLASTIC PAVEMENT MARKING - 12" LINE WHITE CROSS-WALK (3' C-C)
  - (H) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE CROSS-WALK (6' C-C)
  - (J) THERMOPLASTIC PAVEMENT MARKING - 4" LINE YELLOW LINE
  - (K) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE SKIP DASH (2' LINE-6" SPACE)
  - [ ] DETECTOR LOOP REPLACEMENT

- ### RAISED REFLECTIVE PAVEMENT MARKER
- ◄ ONE-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED
  - ◄ ONE-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED
  - ◄ TWO-WAY MARKER  
40' C/C UNLESS OTHERWISE INDICATED

- ### NOTES
1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
  2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.

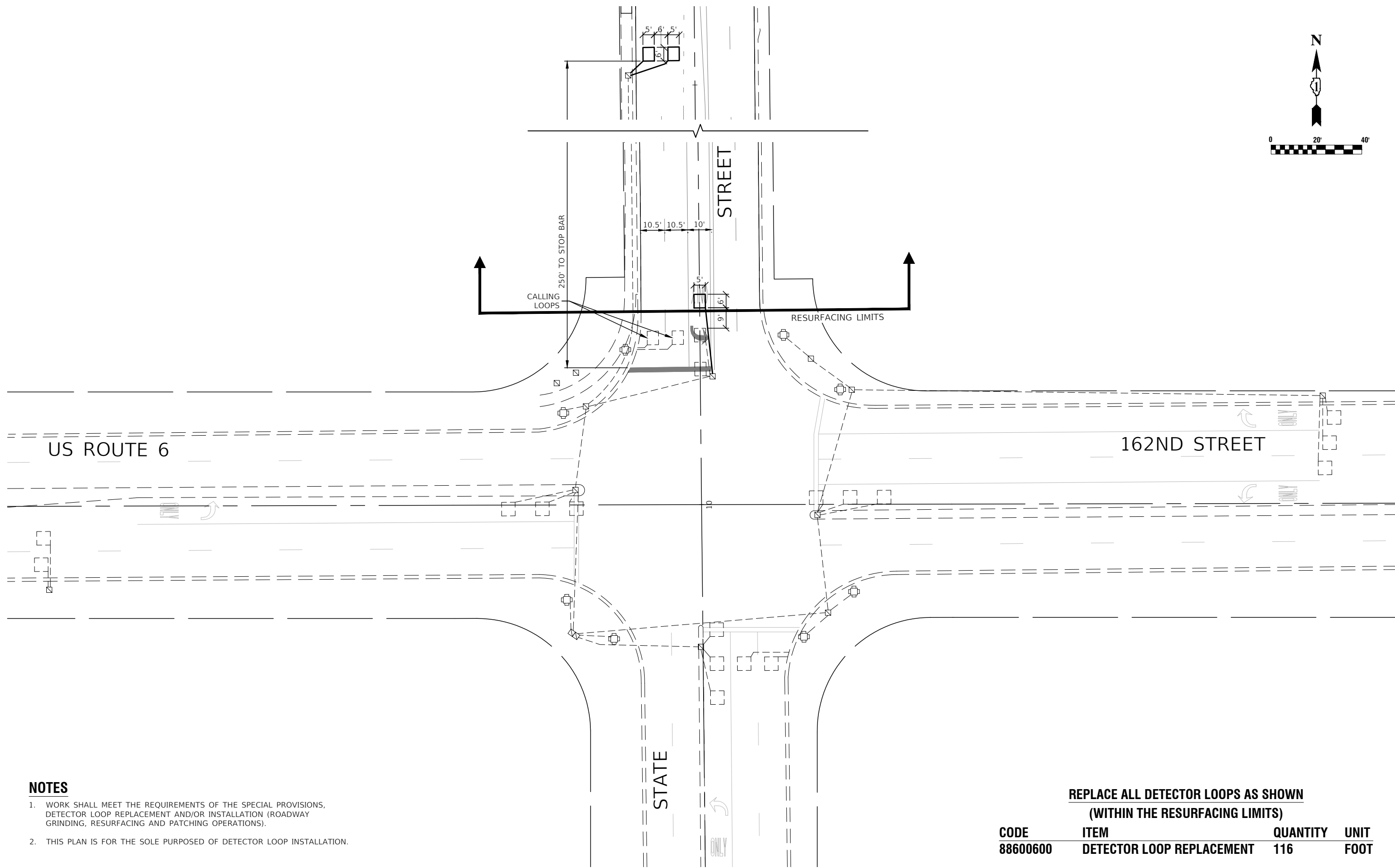
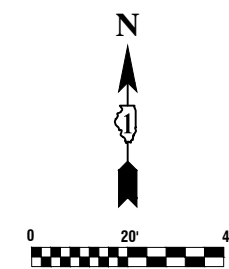
FILE NAME = 22R0706-PVMK-01 - PVMK-04	USER NAME =	DESIGNED -- BM	REVISED --
	CHECKED -- JDH	REVISIONS --	
	DRAWN -- BG	REVISIONS --	
	CHECKED -- AG	REVISIONS --	
	11-07-2022		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STATE STREET  
ROADWAY RESURFACING  
PAVEMENT MARKING AND SIGNAGE PLAN**

SCALE: NONE    SHEET NO. 19 OF 35 SHEETS    STA. 70+00 TO STA. 88+92.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	19
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1    ILLINOIS    FED. AID PROJECT 95KT(361)				



**NOTES**

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	116	FOOT

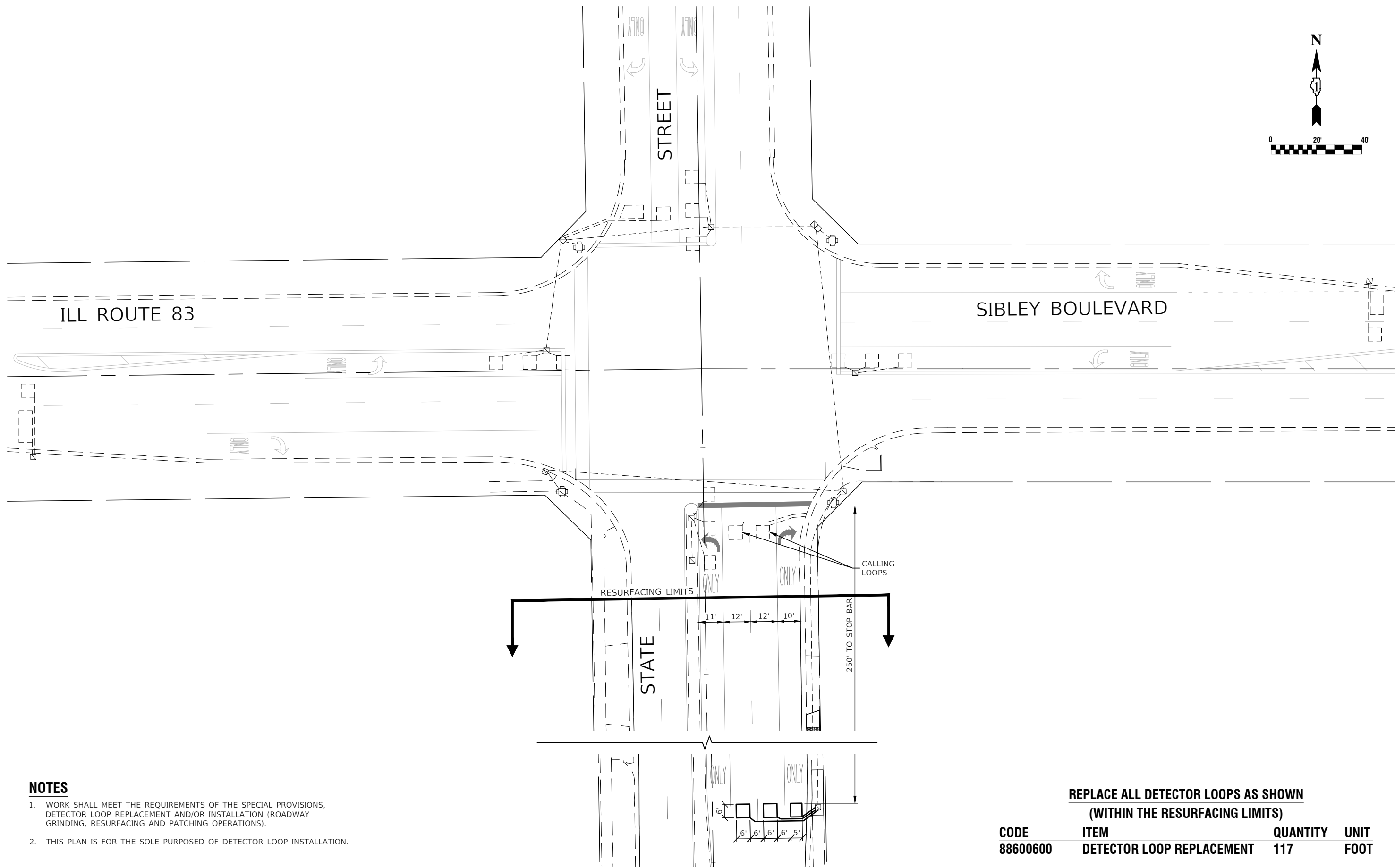
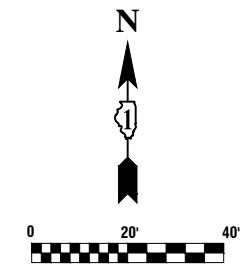
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		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET  
ROADWAY RESURFACING  
DETECTOR LOOP REPLACEMENT PLAN

SCALE: 1"=20'      SHEET NO. 20 OF 35 SHEETS      STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	20
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT 95KT(361)	
			CONTRACT NO. 61J24	



**NOTES**

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

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

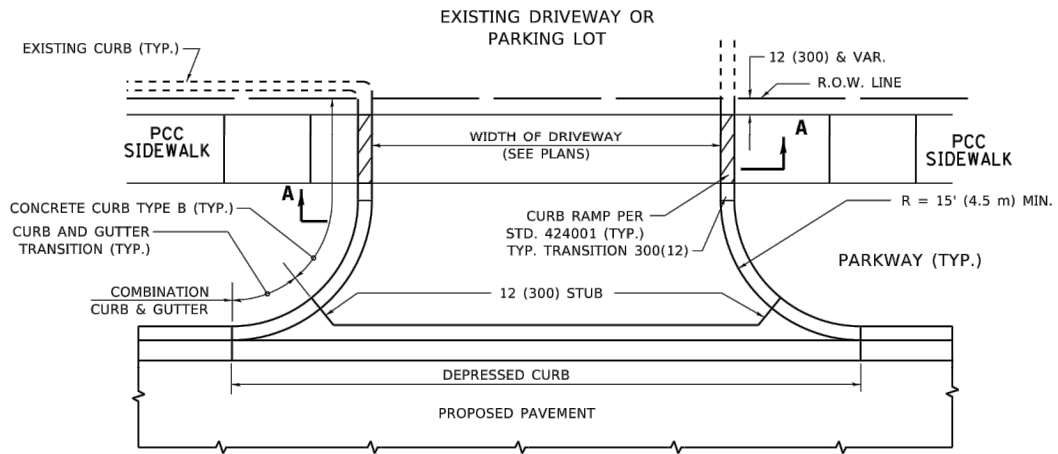
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	117	FOOT

FILE NAME = 22R0706-SGNL-01 - SIBLEY	USER NAME =	DESIGNED -- BM	REVISED --
		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 11-07-2022	CHECKED -- AG	REVISED --

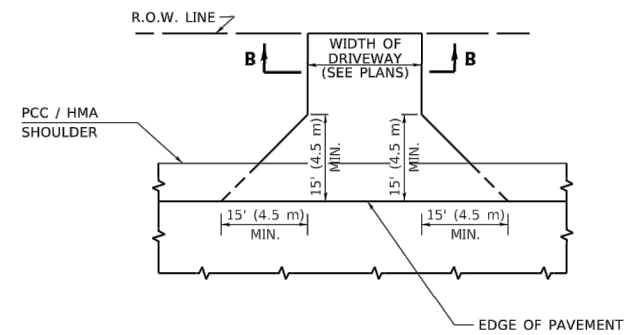
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATE STREET ROADWAY RESURFACING DETECTOR LOOP REPLACEMENT PLAN			
SCALE: 1"=20'	SHEET NO. 21 OF 35 SHEETS	STA.	TO STA.

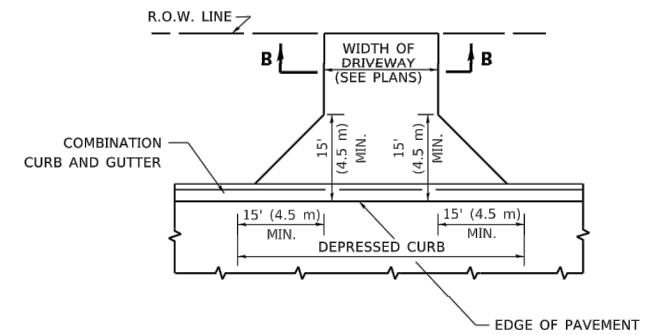
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	21
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT 95KT(361)	



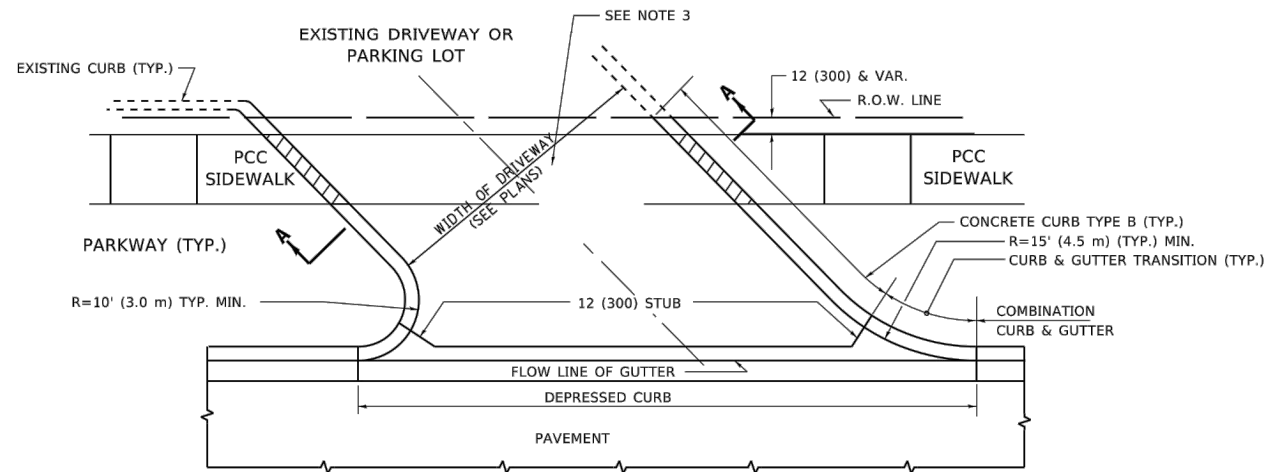
**WITH CONCRETE CURB, TYPE B**



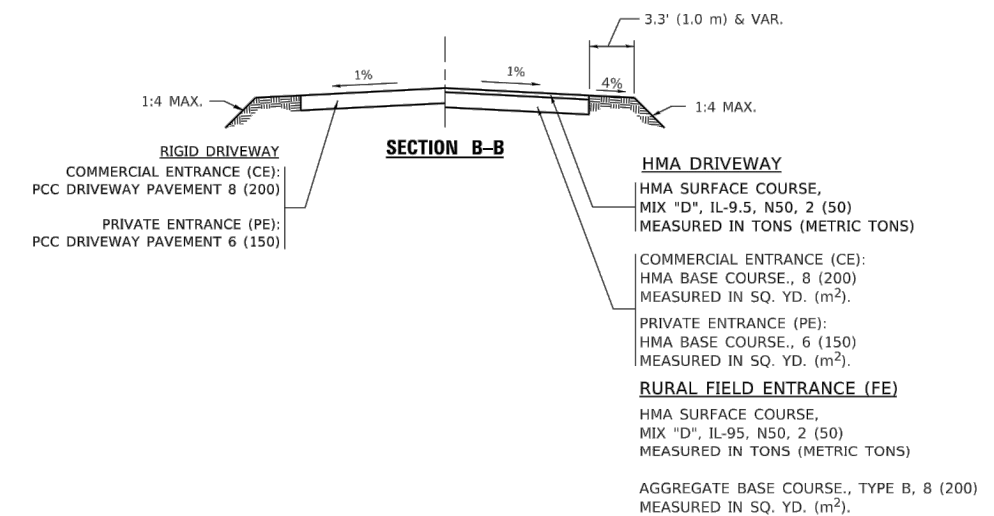
**ADJACENT TO PCC /HMA SHOULDER**



**ADJACENT TO CURB AND GUTTER**

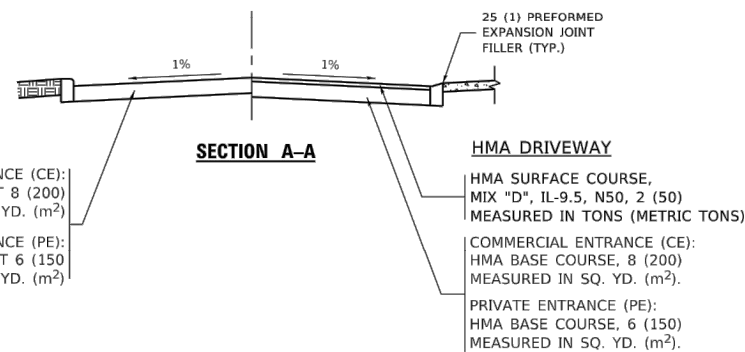


**WITH CONCRETE CURB, TYPE B**



**GENERAL NOTES**

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

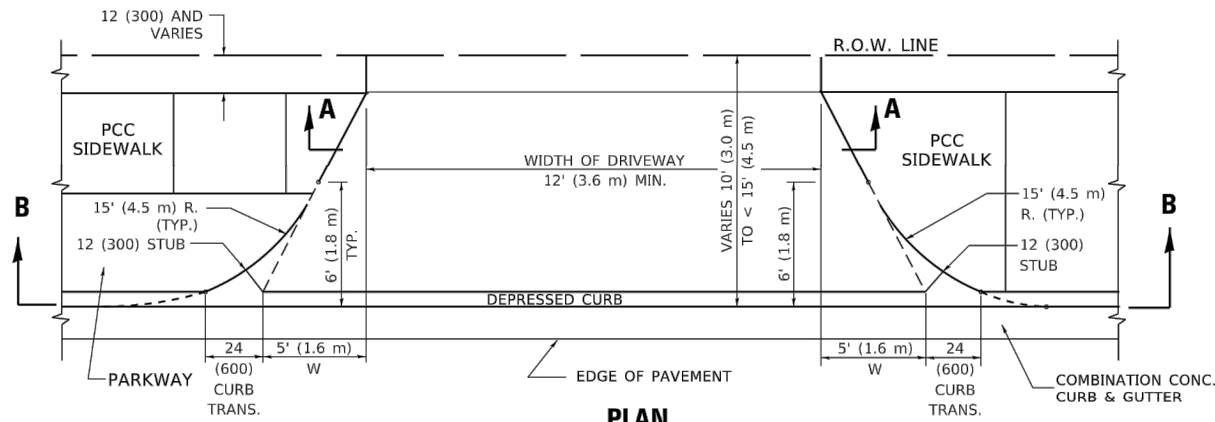


ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

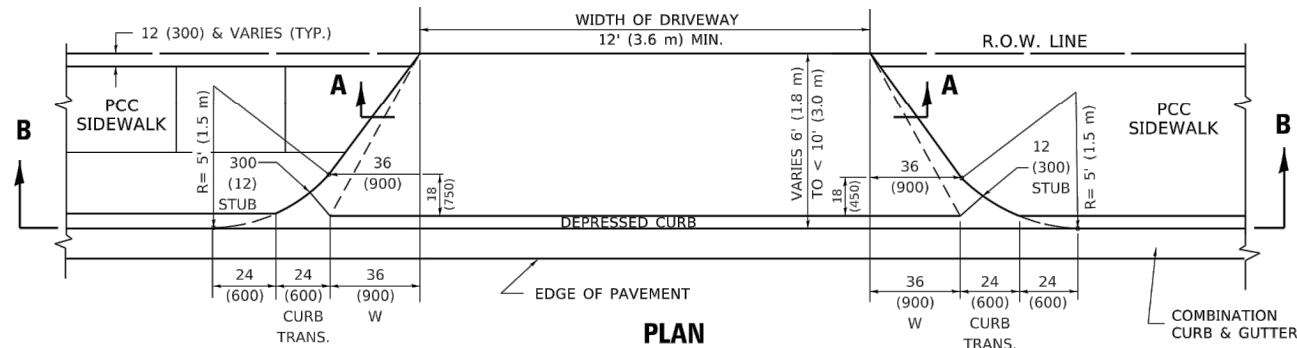
FILE NAME: W:\distr02\22\310601.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER ≥ 15'(4.5m)</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-06-11			BD400-01 (BD-01)					
PLOT DATE = 2/2/2022	DATE - 11-04-95	REVISED - K. SMITH 08-28-19			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO.		
		REVISED - K. SMITH 02-01-22			ILLINOIS FED. AID PROJECT					

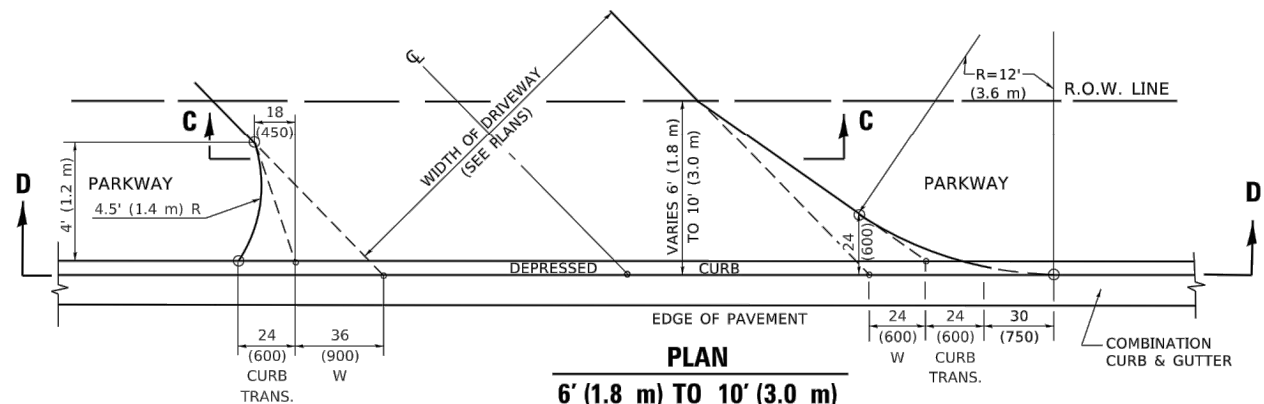
FILE NAME = 22R0706-DTLS-01 - BD01	USER NAME =	DESIGNED --	REVISED --	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED --	REVISED --	2906			22-00115-00-RS	COOK	35	22	
	DRAWN --	REVISED --	CONTRACT NO. 61J24							
	CHECKED --	REVISED --	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)							



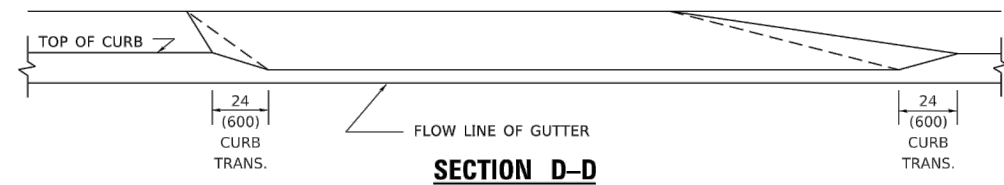
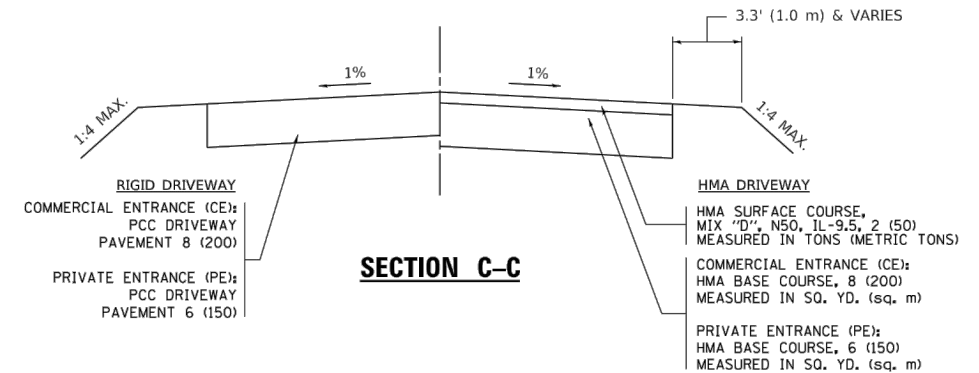
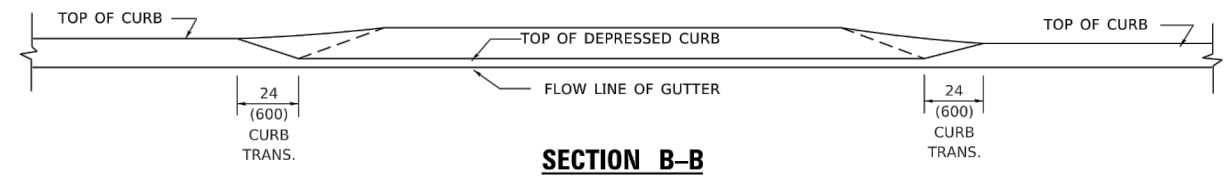
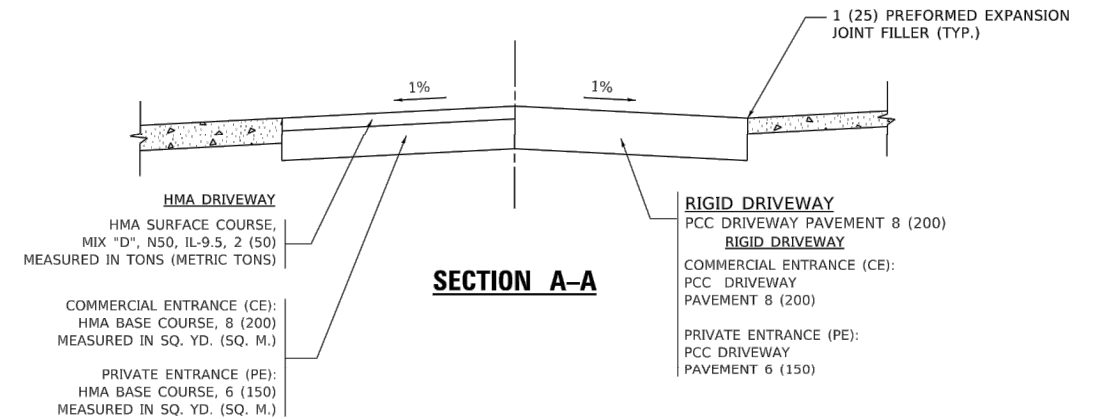
**PLAN**  
10' (3.0 m) TO < 15' (4.5 m)



**PLAN**  
6' (1.8 m) TO < 10' (3.0 m)



**PLAN**  
6' (1.8 m) TO 10' (3.0 m)



**GENERAL NOTES**

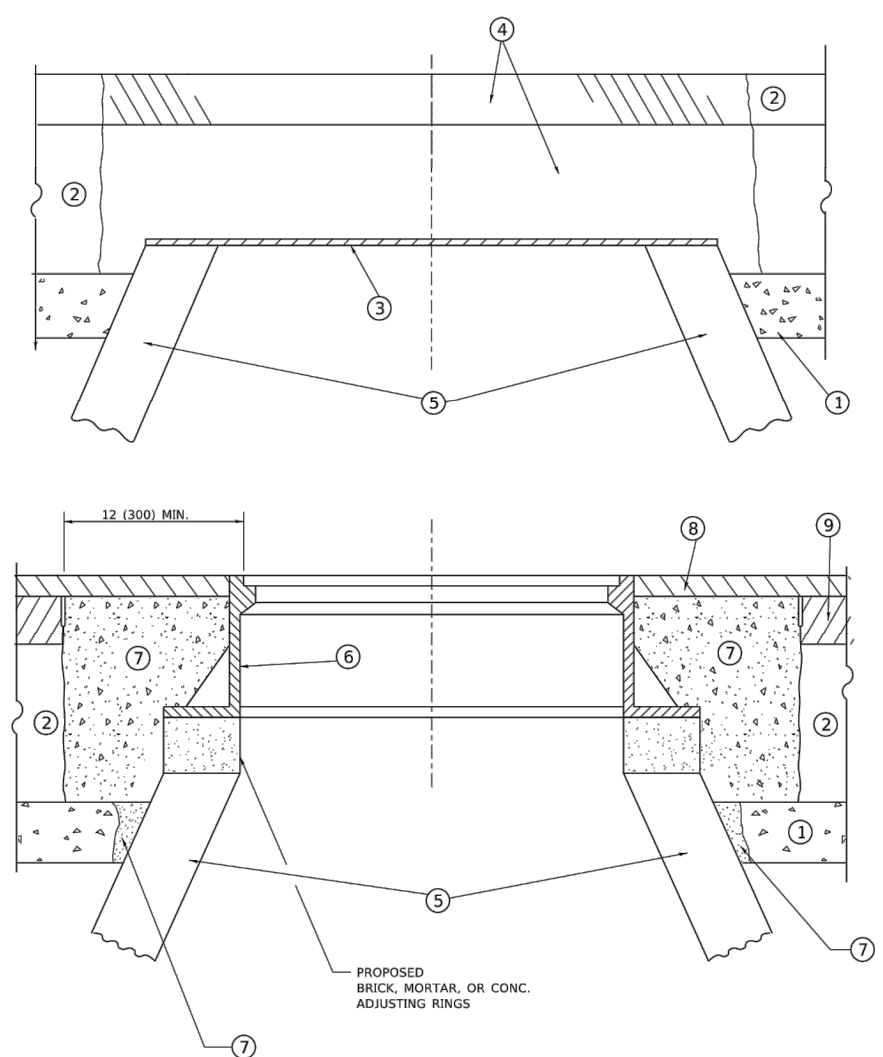
1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME: W:\distr02\22\34\bd02.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY DETAILS</b> <b>DISTANCE BETWEEN ROW AND FACE OF CURB &lt; 15' (4.5m)</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-06-11						BD400-02 (BD-02)				
PLOT DATE = 2/2/2022	DATE - 11-06-95	REVISED - K. SMITH 08-27-19		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA. TO STA.	CONTRACT NO.			
		REVISED - K. SMITH 02-01-22							ILLINOIS FED. AID PROJECT			

FILE NAME = 22R0706-DTLS-01 - BD02	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED -	REVISED -	REVISED -						2906	22-00115-00-RS	COOK	35	23
	PLOT SCALE =	DRAWN -	REVISED -		SCALE:	SHEET NO. 23	OF 35	SHEETS	STA. TO STA.	CONTRACT NO. 61J24			
	PLOT DATE =	CHECKED -	REVISED -						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	95KT(361)	



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

**NOTES**

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

**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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).
- 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                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS*PP-1 CONCRETE         |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**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**

1. 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)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = demanchelt PLOT SCALE = 100.0000' / in. PLOT DATE = 2/2/2022	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. BORO 03-09-11		SCALE: NONE							
	CHECKED -	REVISED - R. BORO 12-06-11		SHEET 1 OF 1 SHEETS	STA.	TO STA.	<b>BD600-03 (BD-08)</b> CONTRACT NO.				
	DATE - 10-25-94	REVISED - K. SMITH 02-01-22		ILLINOIS FED. AID PROJECT							

FILE NAME = 22R0706-DTLS-01 - BD08	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -		SCALE:							
	PLOT SCALE =	DRAWN -	REVISED -		SHEET NO. 24 OF 35 SHEETS	STA.	TO STA.	<b>2906 22-00115-00-RS COOK 35 24</b>				
	PLOT DATE =	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)							

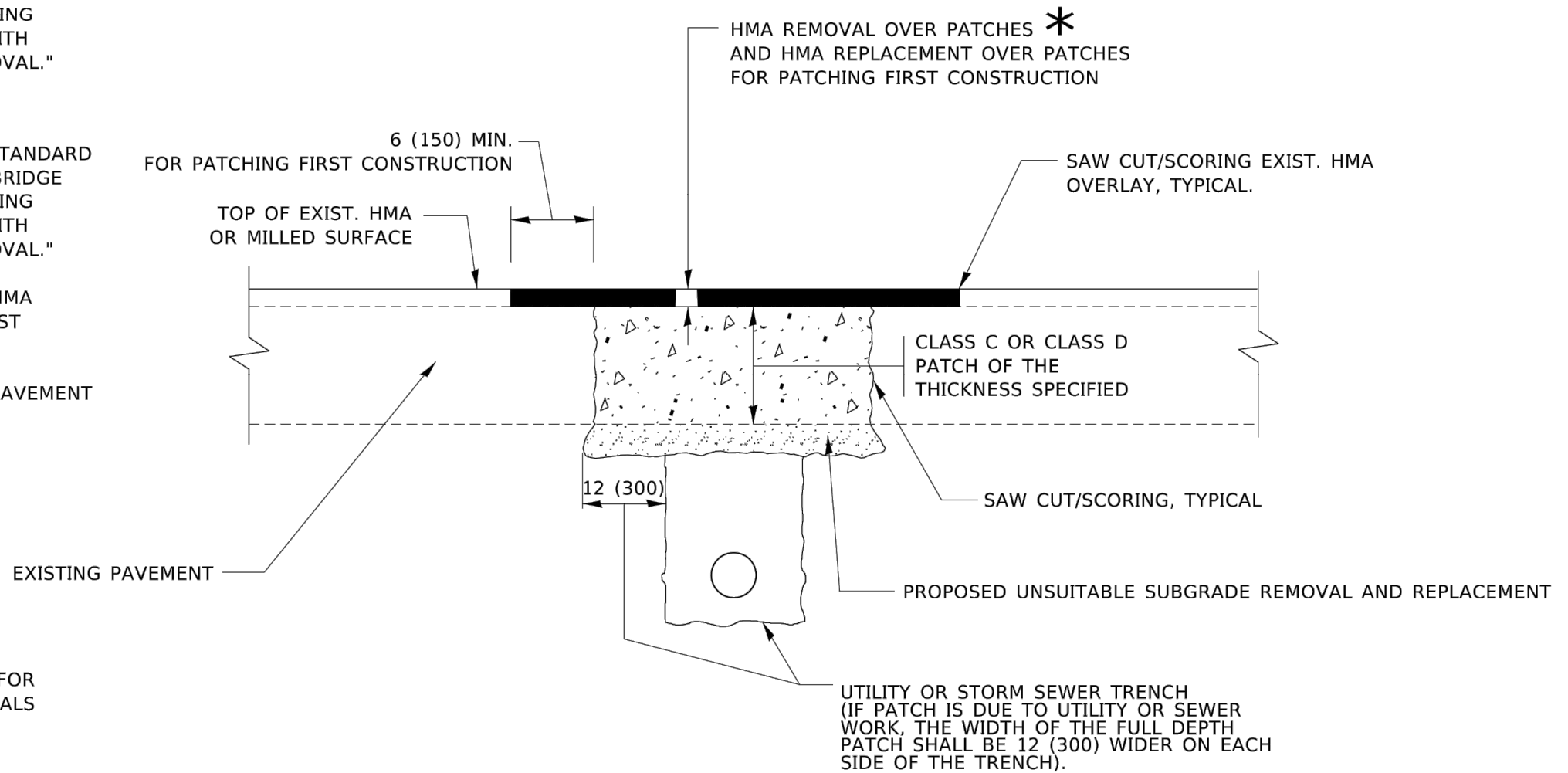


**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



**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)**

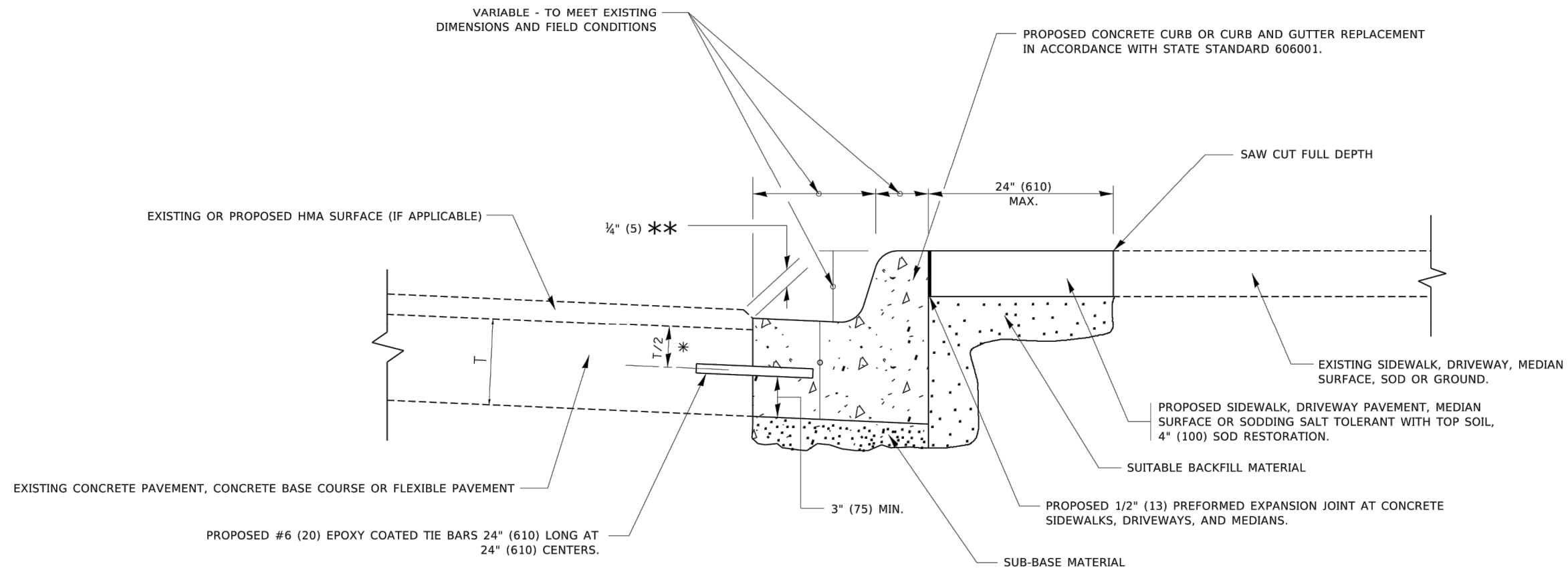
1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME: V:\dist01\22\34\bd22.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22)	CONTRACT NO.		
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08			ILLINOIS FED. AID PROJECT						
	REVISED - K. SMITH 02-01-22										

FILE NAME = 22R0706-DTLS-01 - BD22	USER NAME =	DESIGNED --	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	CHECKED --	REVISED --	SCALE:			SHEET NO. 25 OF 35 SHEETS	STA. TO STA.	2906	22-00115-00-RS	COOK	35	25
	PLOT SCALE =	DRAWN --	REVISED --			CONTRACT NO. 61J24						
	PLOT DATE =	CHECKED --	REVISED --			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)						



- \* 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.

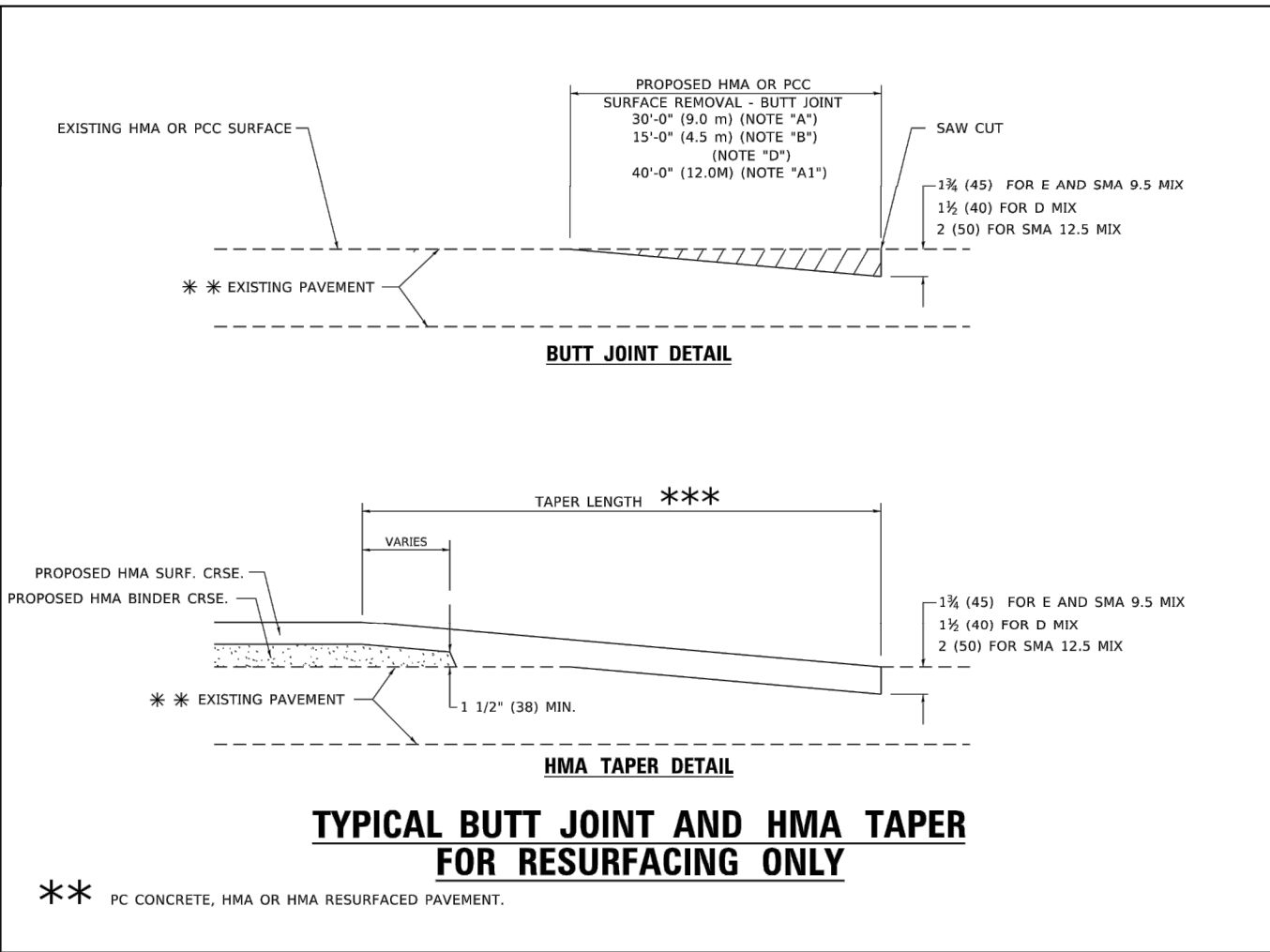
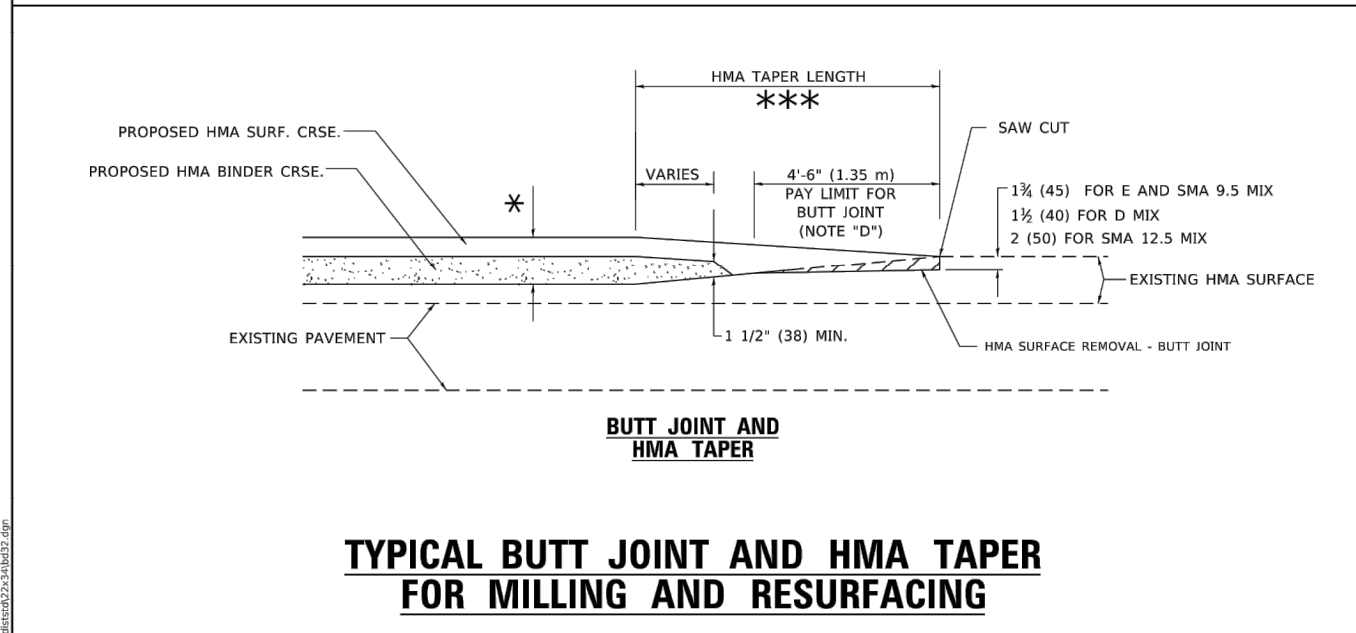
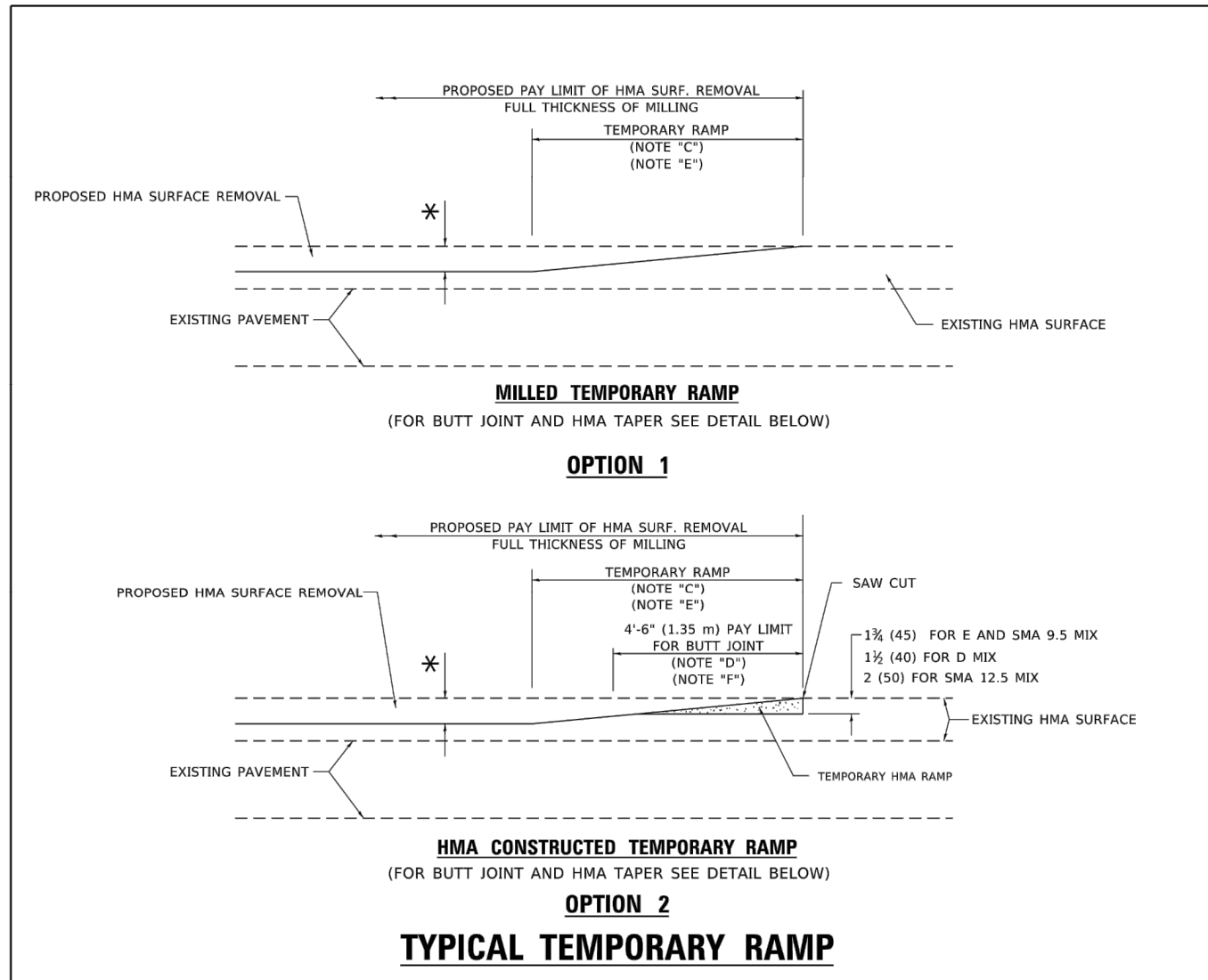
## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME: p:\p\planroom.dwt\illinois\pwr\DOT\Documents\DOT\_Offices\District\_1\Projects\District\_1\CA\DD\May\CA\shhets\bd24.dgn

USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>BD600-06 (BD-24)</b>		CONTRACT NO.	
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09			ILLINOIS FED. AID PROJECT						
		REVISED - K. SMITH 07-11-19									

FILE NAME = 22R0706-DTSL-01 - BD24	USER NAME =	DESIGNED --	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		CHECKED --	REVISED --			SCALE:	SHEET NO. 26 OF 35 SHEETS	STA. TO STA.	2906	22-00115-00-RS	COOK	35	26
		DRAWN --	REVISED --			CONTRACT NO. 61J24							
		CHECKED --	REVISED --			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)							



**GENERAL NOTES**

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- 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**

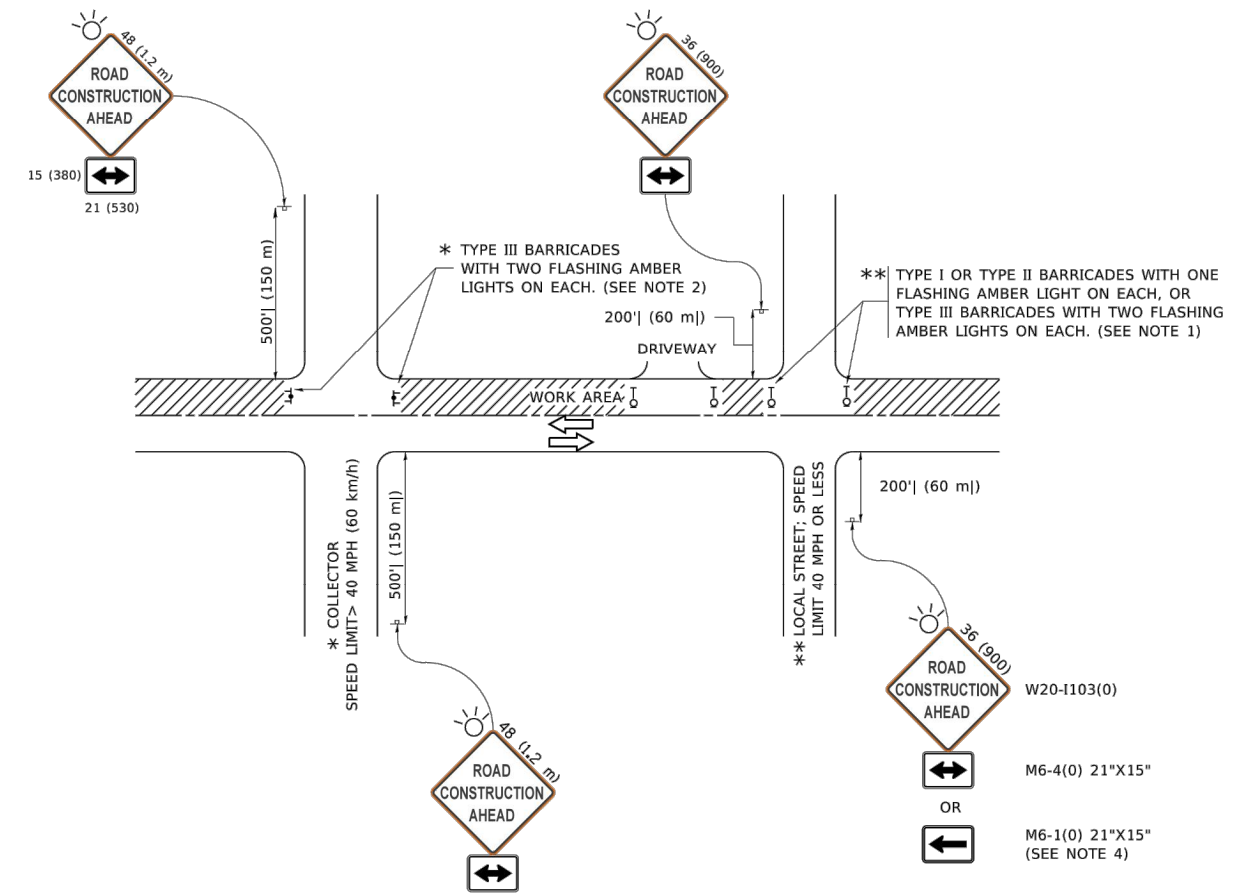
- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	2906	22-00115-00-RS	COOK	35	27
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - R. BORO 01-01-07					BD400-05 BD-32		CONTRACT NO.		

FILE NAME = 22R0706-DTLS-01 - BD32	USER NAME =	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED --	REVISED --	REVISED --		SCALE:	SHEET NO. 27 OF 35 SHEETS	STA. TO STA.	2906	22-00115-00-RS	COOK	35	27
	PLOT DATE =	DATE --	REVISED --					ILLINOIS		FED. AID PROJECT 95KT(361)		

FILE NAME: P:\110848\BID\NTEG\Illinois.gov\PWIDOT\Documents\DOT\_Offices\District\_1\Projects\Dissemination\CADD\Main\CADD\Sheet\TC10.dgn



**NOTES:**

1. 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:
  - a) 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.
  - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) 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.
  - b) 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.
3. 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.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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.

USER NAME = fo0temj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
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**

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

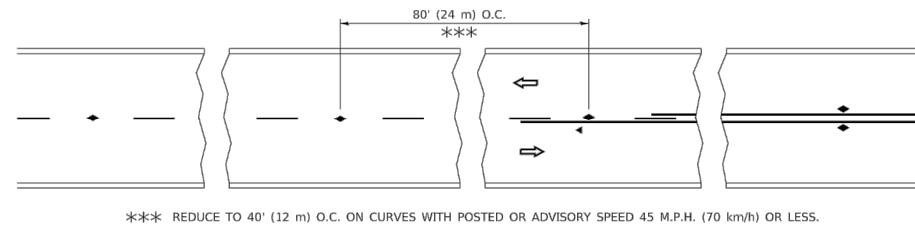
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USER NAME =	DESIGNED --	REVISED --
	CHECKED --	REVISED --
PLOT SCALE =	DRAWN --	REVISED --
PLOT DATE =	CHECKED --	REVISED --

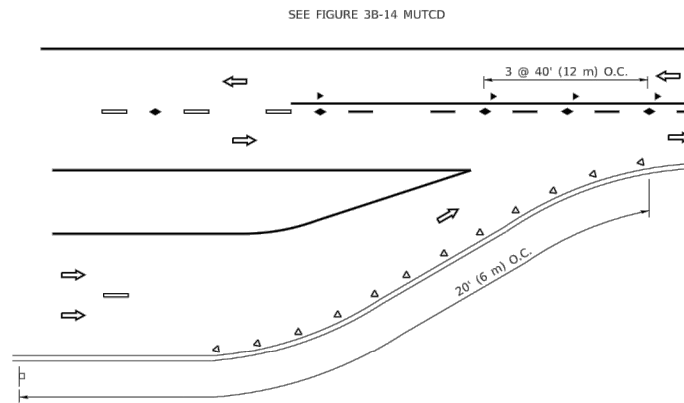
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 DETAILS**

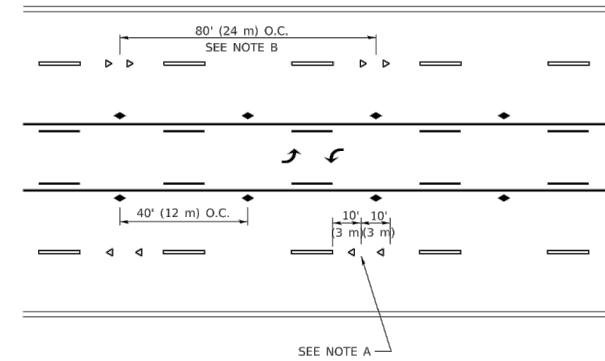
SCALE:	SHEET NO. 28 OF 35 SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				2906	22-00115-00-RS	COOK	35	28
				CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)								



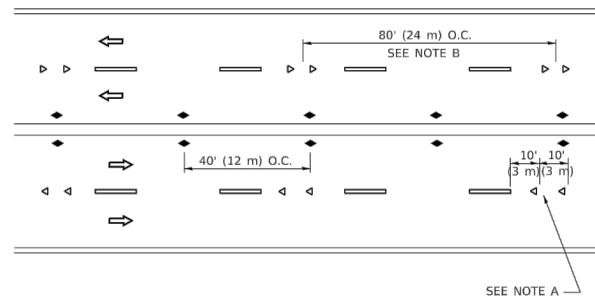
**TWO-LANE/TWO-WAY**



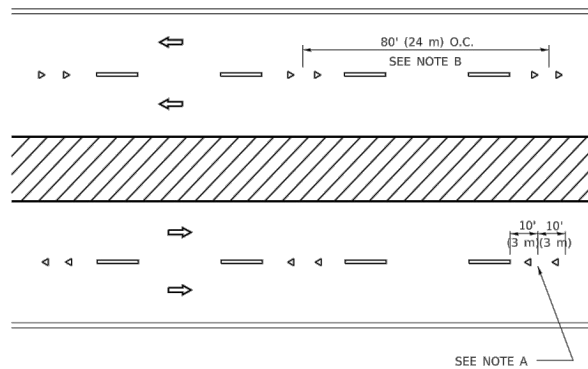
**LANE REDUCTION TRANSITION**



**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**

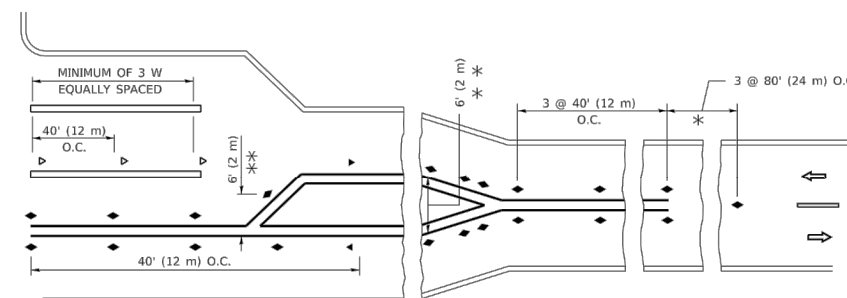
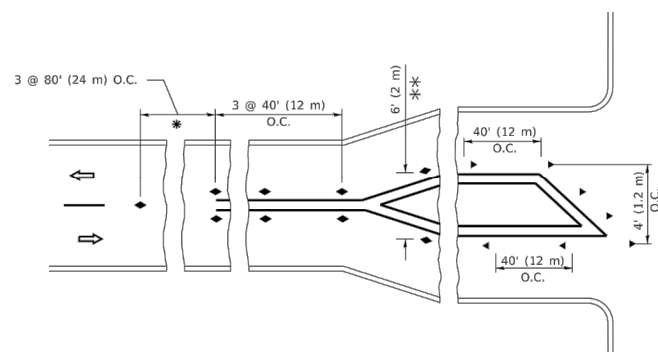
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.



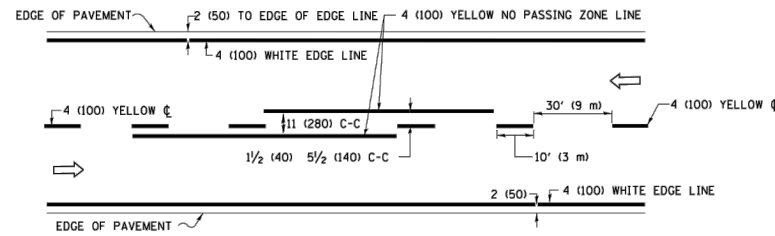
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

**TURN LANES**

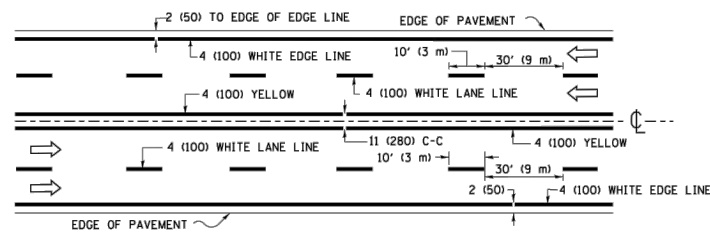
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00		<b>RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>				TC-11				
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				
	DATE -	REVISED - C. JUCIUS 07-01-13						CONTRACT NO.				

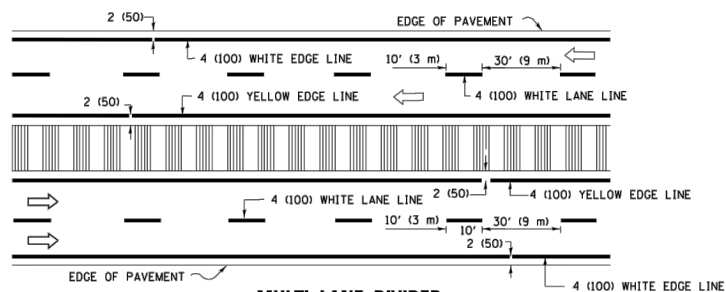
FILE NAME = 22R0706-DTSL-01 - TC11	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED -	REVISED -			SCALE:				2906 22-00115-00-RS COOK 35 29				
	PLOT SCALE =	DRAWN -	REVISED -		SHEET NO. 29 OF 35 SHEETS STA. TO STA.				CONTRACT NO. 61J24				
	PLOT DATE =	CHECKED -	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				



**2-LANE ROADWAY**

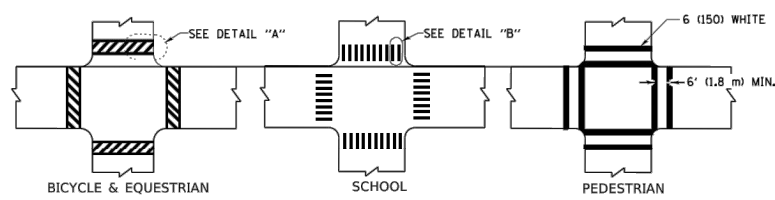


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

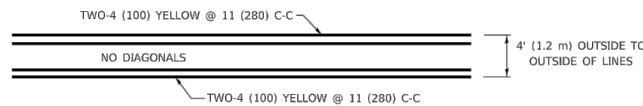


**DETAIL "A"**

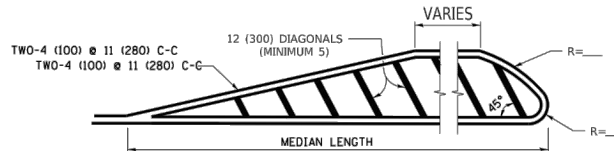
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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



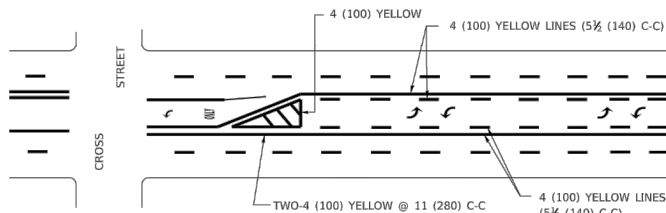
**4' (1.2 m) WIDE MEDIANS ONLY**



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

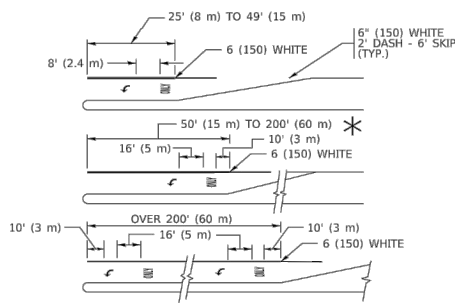
**MEDIANS OVER 4' (1.2 m) WIDE**



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

**MEDIAN WITH TWO-WAY LEFT TURN LANE**

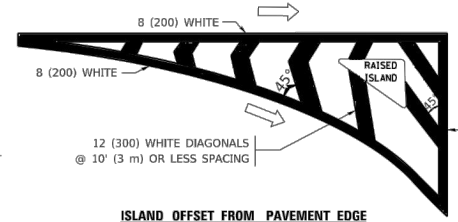
**TYPICAL PAINTED MEDIAN MARKING**



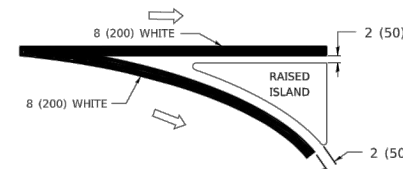
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE 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".

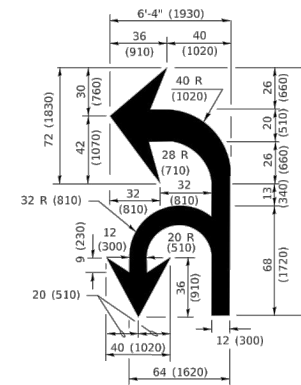


**ISLAND OFFSET FROM PAVEMENT EDGE**

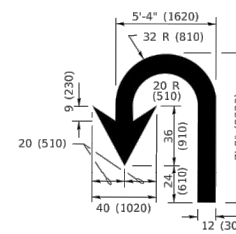


**ISLAND AT PAVEMENT EDGE**

**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	2 @ 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" IS 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.

USER NAME = fo0temj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	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.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TC-13</b>		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

FILE NAME = 22R0706-DTLS-01 - TC13

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

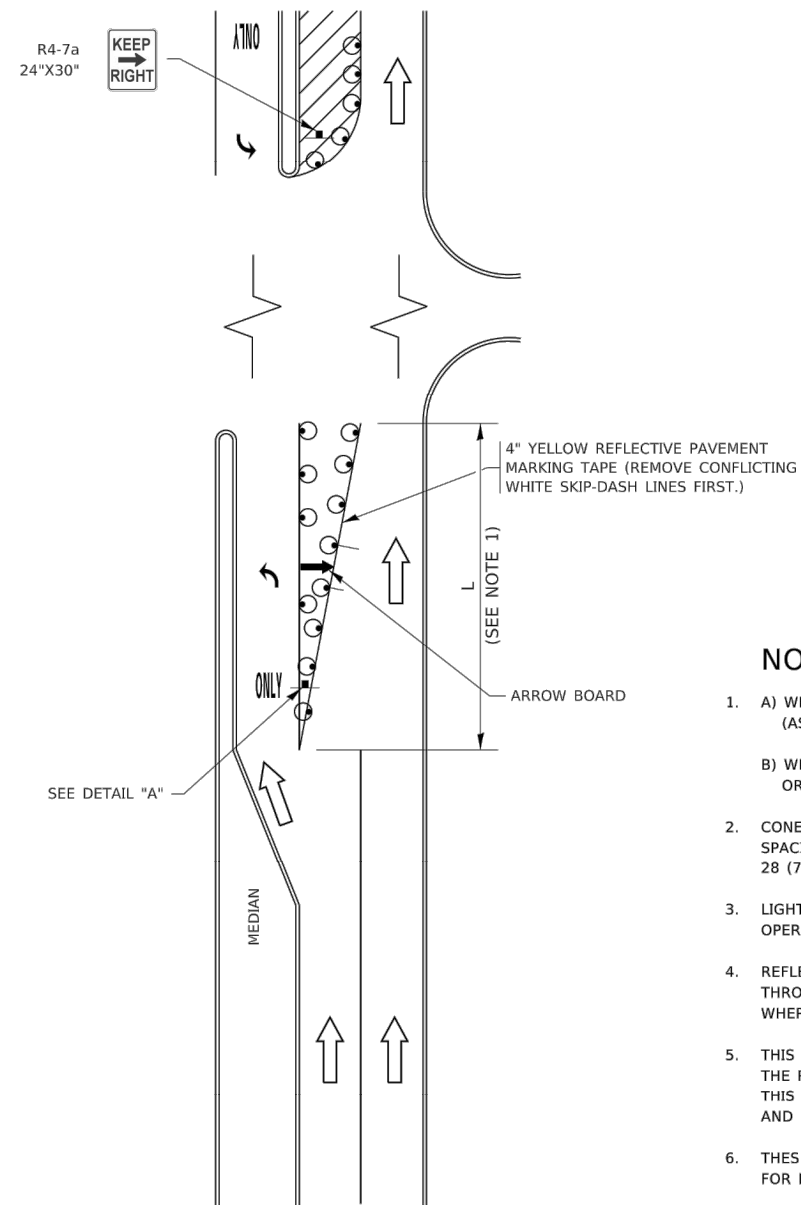
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. 30 OF 35 SHEETS	STA.	TO STA.
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**DISTRICT 1 DETAILS**

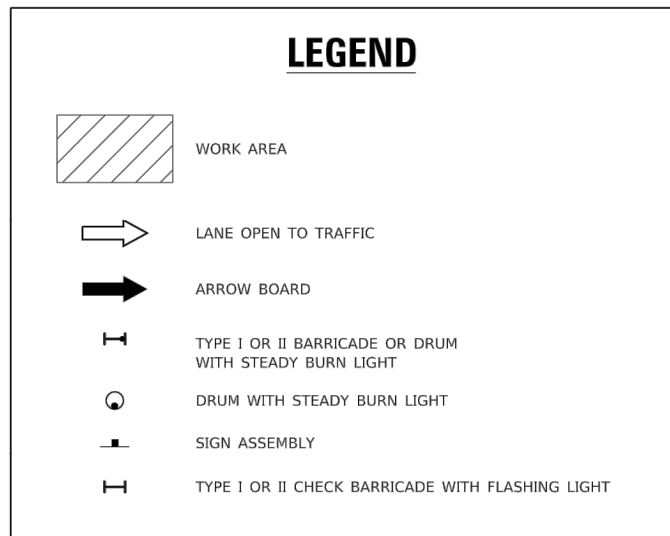
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	30
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				

## TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

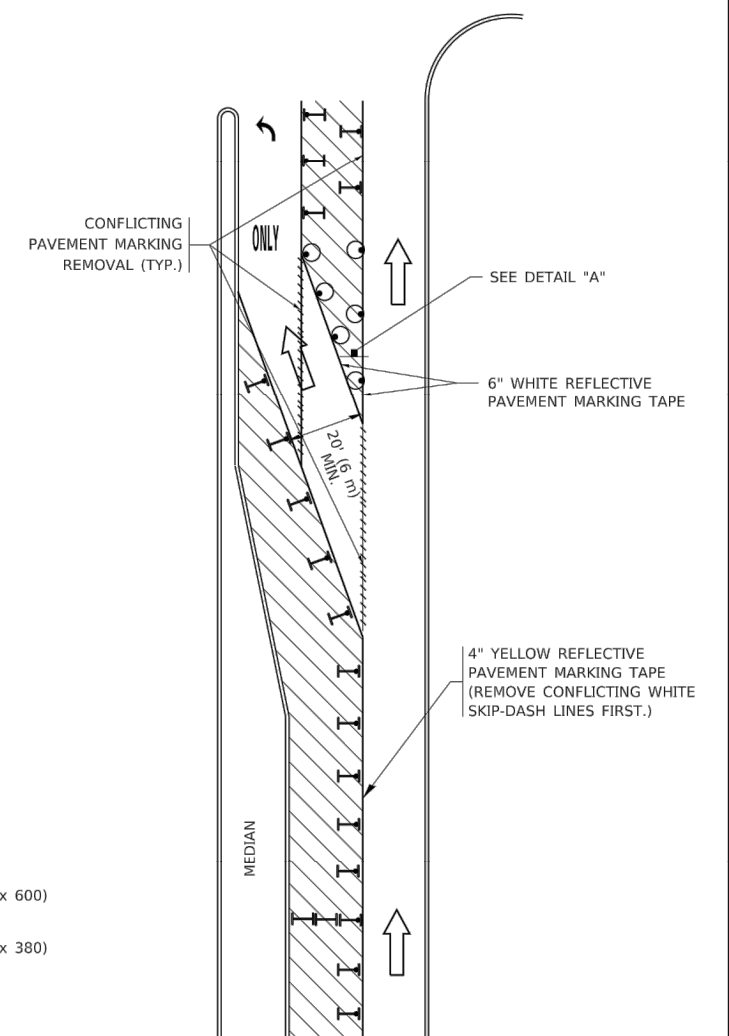
### LEGEND



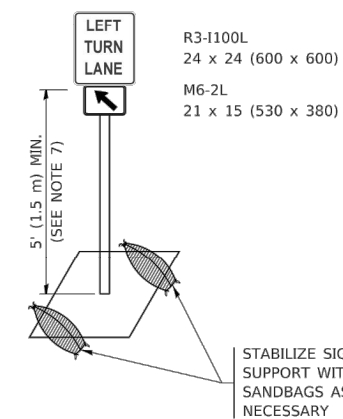
### NOTES:

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" R3-1100R 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.

## TURN BAY ENTRANCE WITHIN A LANE CLOSURE



**FIGURE 2**

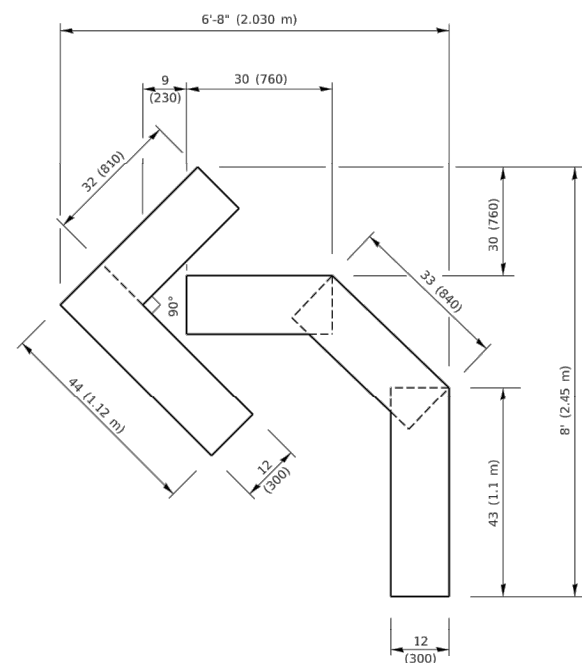


**DETAIL A**

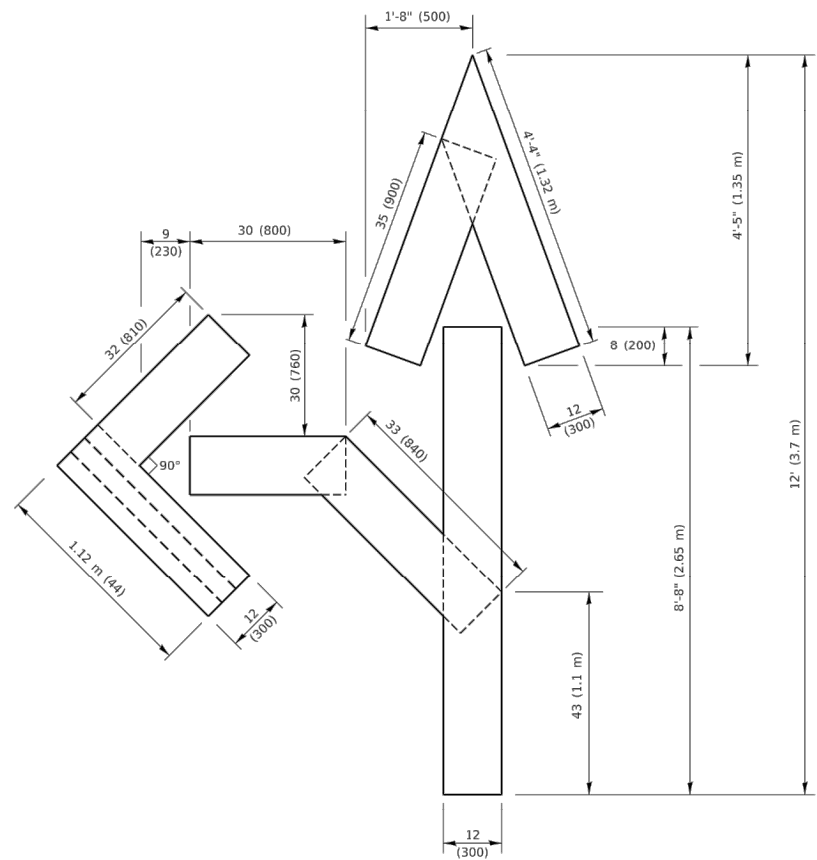
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = foortemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-14 CONTRACT NO.			
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -			ILLINOIS FED. AID PROJECT						

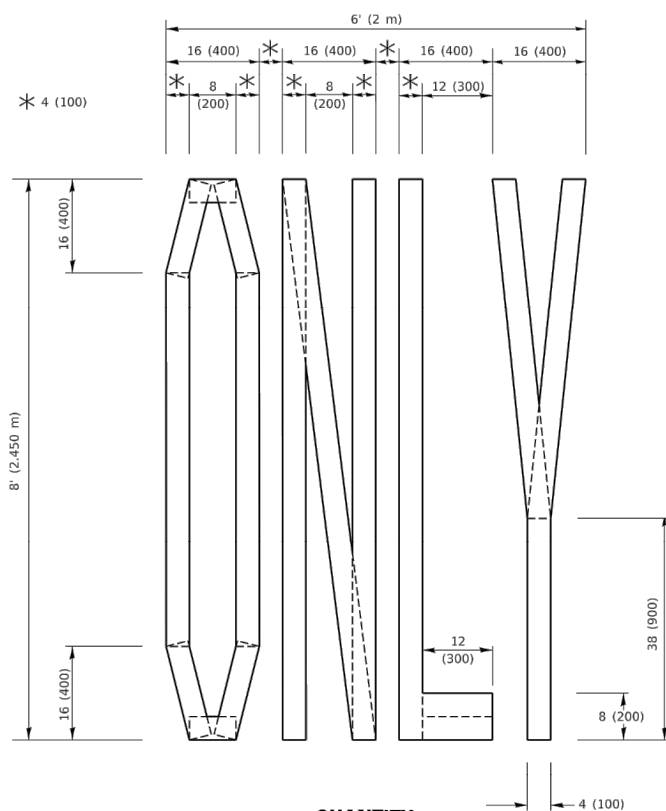
FILE NAME = 22R0706-DTSL-01 - TC14	USER NAME =	DESIGNED --	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	CHECKED --	REVISED --				SCALE:	SHEET NO. 31 OF 35 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT 95KT(361)			
	PLOT SCALE =	DRAWN --	REVISED --			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)						
	PLOT DATE =	CHECKED --	REVISED --									



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

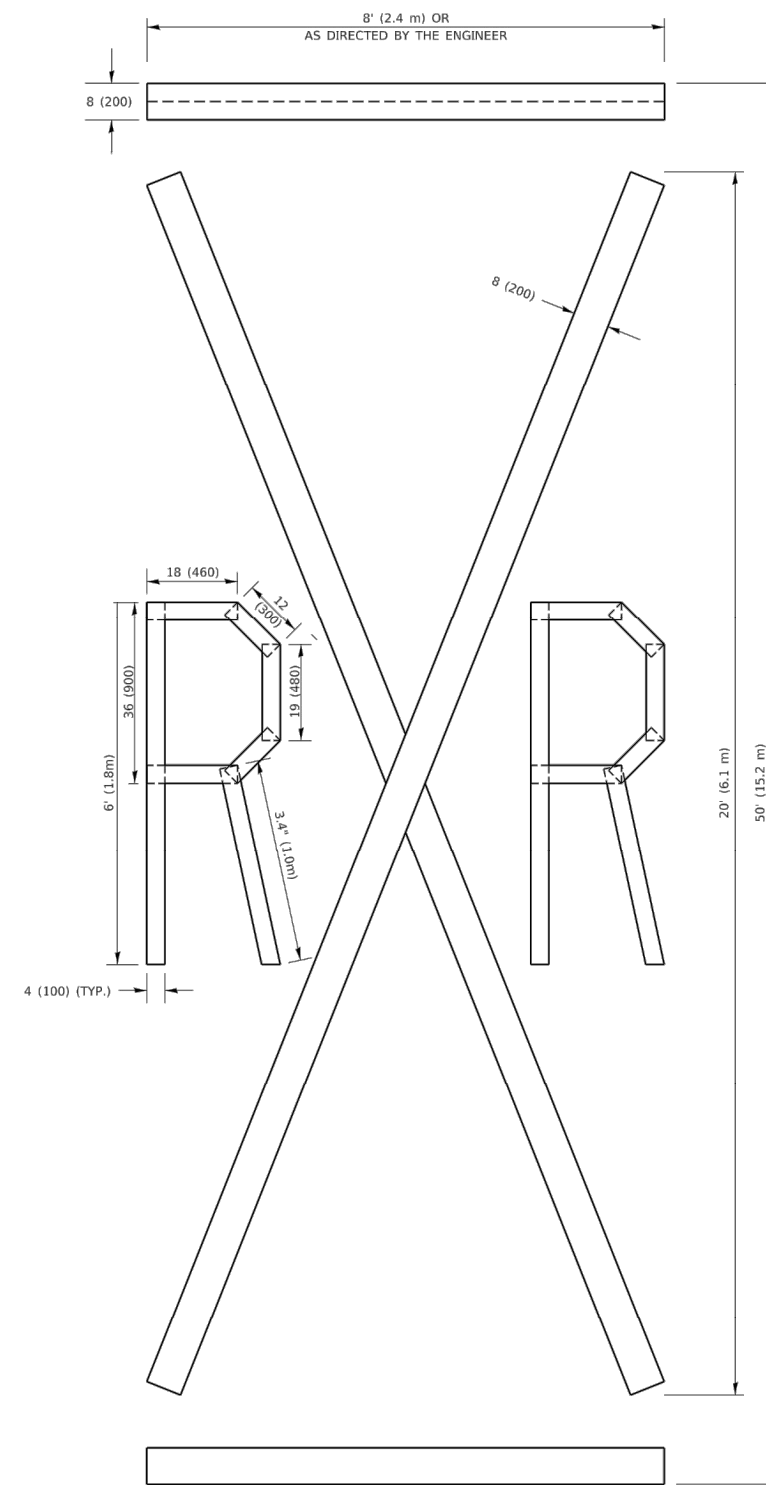


**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)



**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.

FILE NAME: P:\110848\EBIND\TEG\_IL\moe.gov\PWIDOT\Documents\DOT\_Offices\District\_1\Projects\01565922\34\CADD\DATA\CAD\sheetstc16.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068 ' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	32
TC-16		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FILE NAME = 22R0706-DTLS-01 - TC16

USER NAME =	DESIGNED --	REVISED --
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PLOT DATE =	DRAWN --	REVISED --
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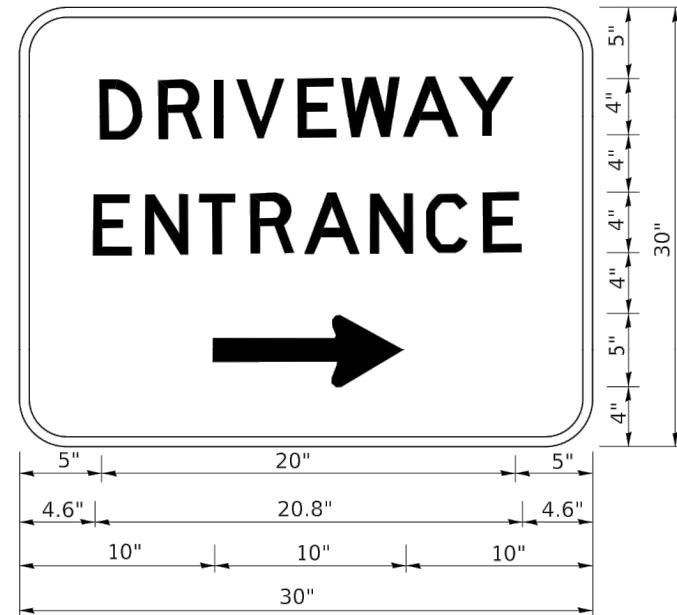
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 DETAILS**

SCALE: SHEET NO. 32 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	32
		CONTRACT NO. 61J24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				





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".

FILE NAME: p:\p1\planning\dot\_illinois\p1\DOT\Documents\DOT\_Offices\District\_1\Projects\District\_1\CADD\Map\CAD\Sheet\TC26.dgn

USER NAME = feysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/6/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TC-26</b>		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FILE NAME = 22R0706-DTLS-01 - TC26
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USER NAME =	DESIGNED --	REVISED --
	CHECKED --	REVISED --
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PLOT DATE =	CHECKED --	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

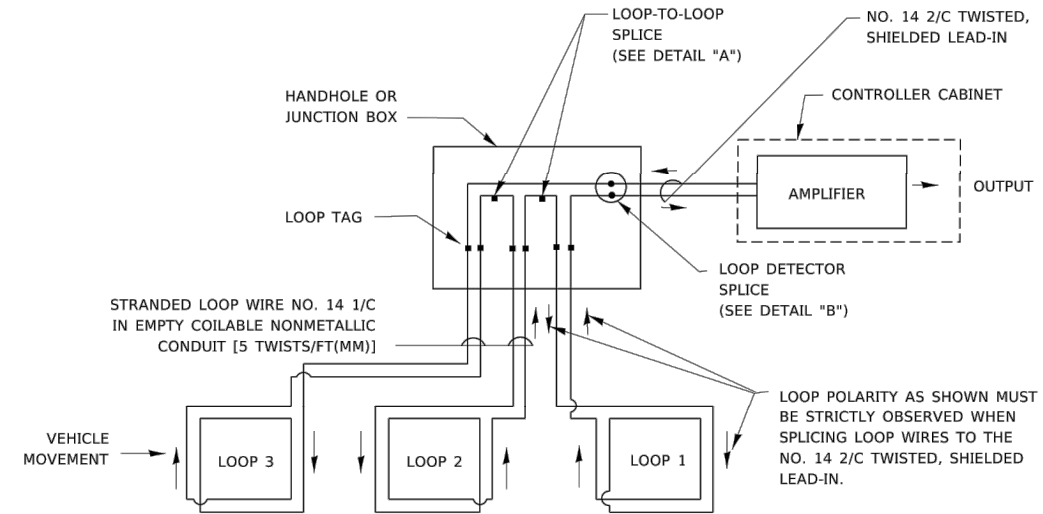
**DISTRICT 1 DETAILS**

SCALE: SHEET NO. 33 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT 95KT(361)

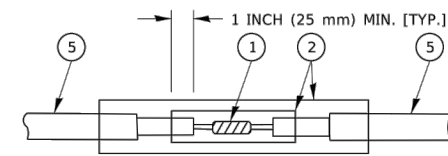
**LOOP DETECTOR NOTES**

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

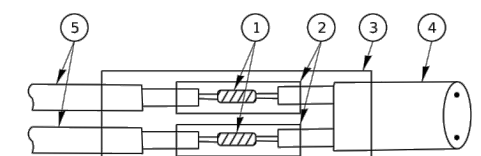


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

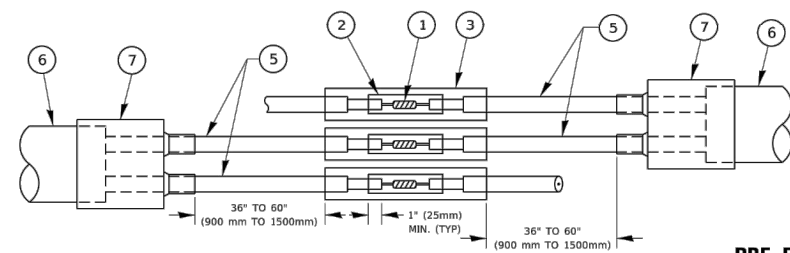


DETAIL "A"  
LOOP-TO-LOOP SPLICE

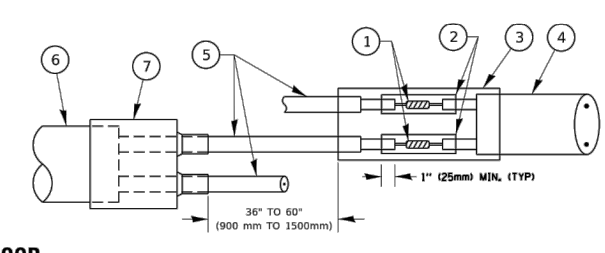


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE

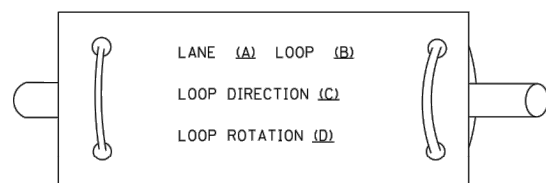


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**LOOP DETECTOR SPLICE**

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR
- BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FILE NAME = 22R0706-DTSL-01 - TS05

USER NAME =	DESIGNED --	REVISED --
	CHECKED --	REVISED --
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PLOT DATE =	CHECKED --	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

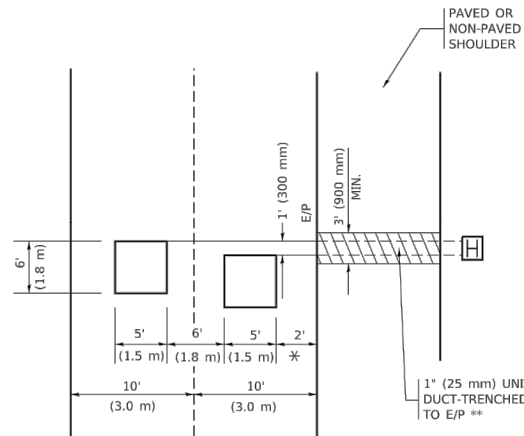
**DISTRICT 1 DETAILS**

SCALE: SHEET NO. 34 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	34
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				

**LOOPS NEXT TO SHOULDERS**

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

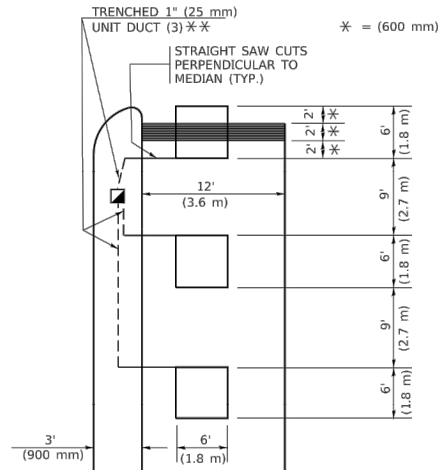


\* = (600 mm)

\*\* 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)

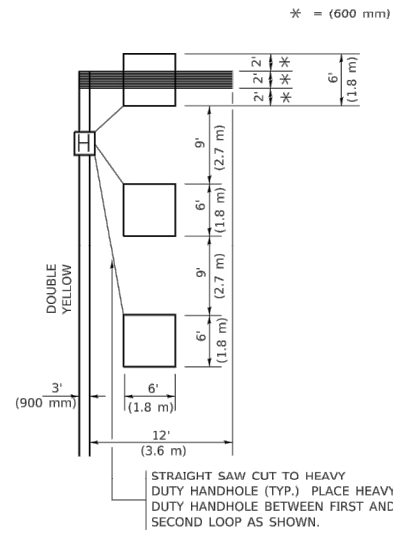
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* 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)



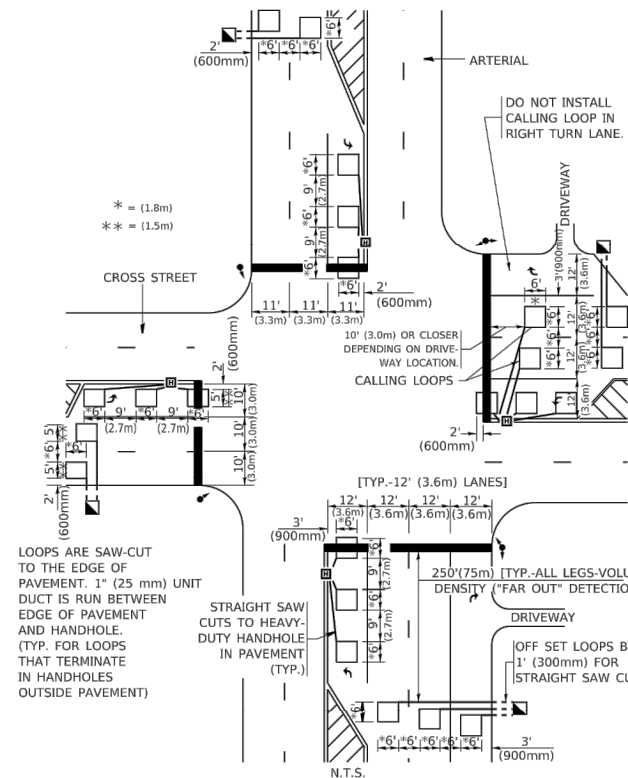
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

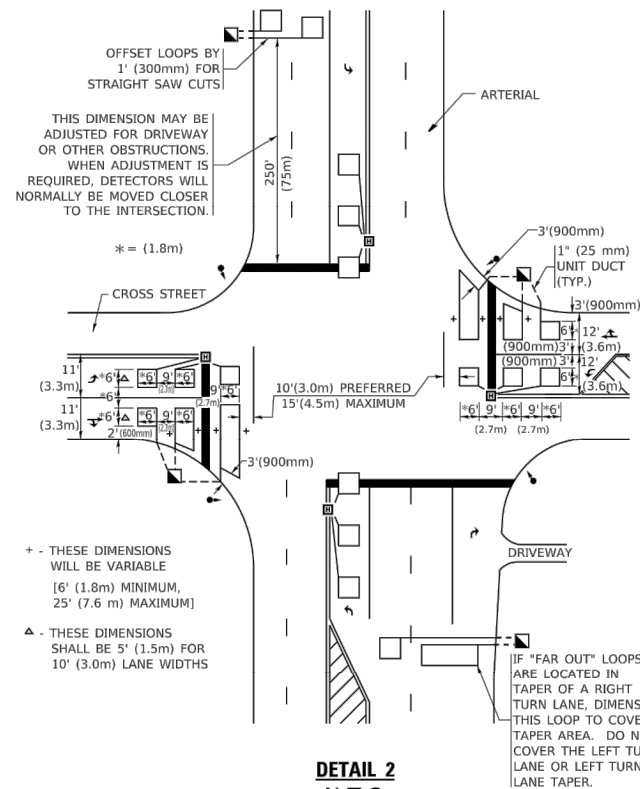
- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE 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.

**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.

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 DIMENSIONS 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.

FILE NAME: P:\110848\BID\NTEG\_IL\inois.gov\PWIDOT\Documents\DOT\_Offices\District\_1\Projects\BISRS\22-24\CADD\NIA\CAD\Sheet\07.dgn

USER NAME = fo0temj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

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

**DISTRICT 1 - DETECTOR LOOP INSTALLATION**  
**DETAILS FOR ROADWAY RESURFACING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TS-07</b>		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FILE NAME = 22R0706-DTLS-01 - TS07

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

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

**DISTRICT 1 DETAILS**

SCALE: SHEET NO. 35 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2906	22-00115-00-RS	COOK	35	35
CONTRACT NO. 61J24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 95KT(361)				