

INDEX OF SHEETS

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HIGHWAY STANDARDS

SEE SHEET 2 FOR LIST OF HIGHWAY STANDARDS

DISTRICT 1 DETAILS

SEE SHEET 2 FOR LIST OF DISTRICT 1 DETAILS

06-13-2025 LETTING ITEM 009

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

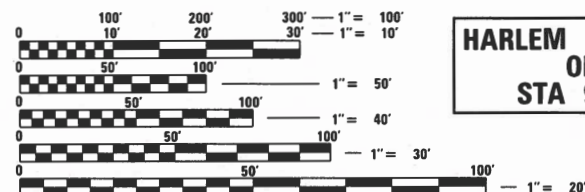
FAU 1313 (BECKWITH ROAD)
FAU 2770 (SHERMER ROAD) TO FAU 2971 (AUSTIN AVENUE)
ROADWAY IMPROVEMENTS, RESURFACING
VILLAGE OF MORTON GROVE
SECTION NO. 21-00111-00-RS
PROJECT NO. NHQ0(472)
COOK COUNTY
C-91-170-25

CiorbaGroup
CONSULTING ENGINEERS

DESIGN FIRM REGISTRATION NUMBER: 184-001016
8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

BECKWITH ROAD: MAJOR URBAN COLLECTOR

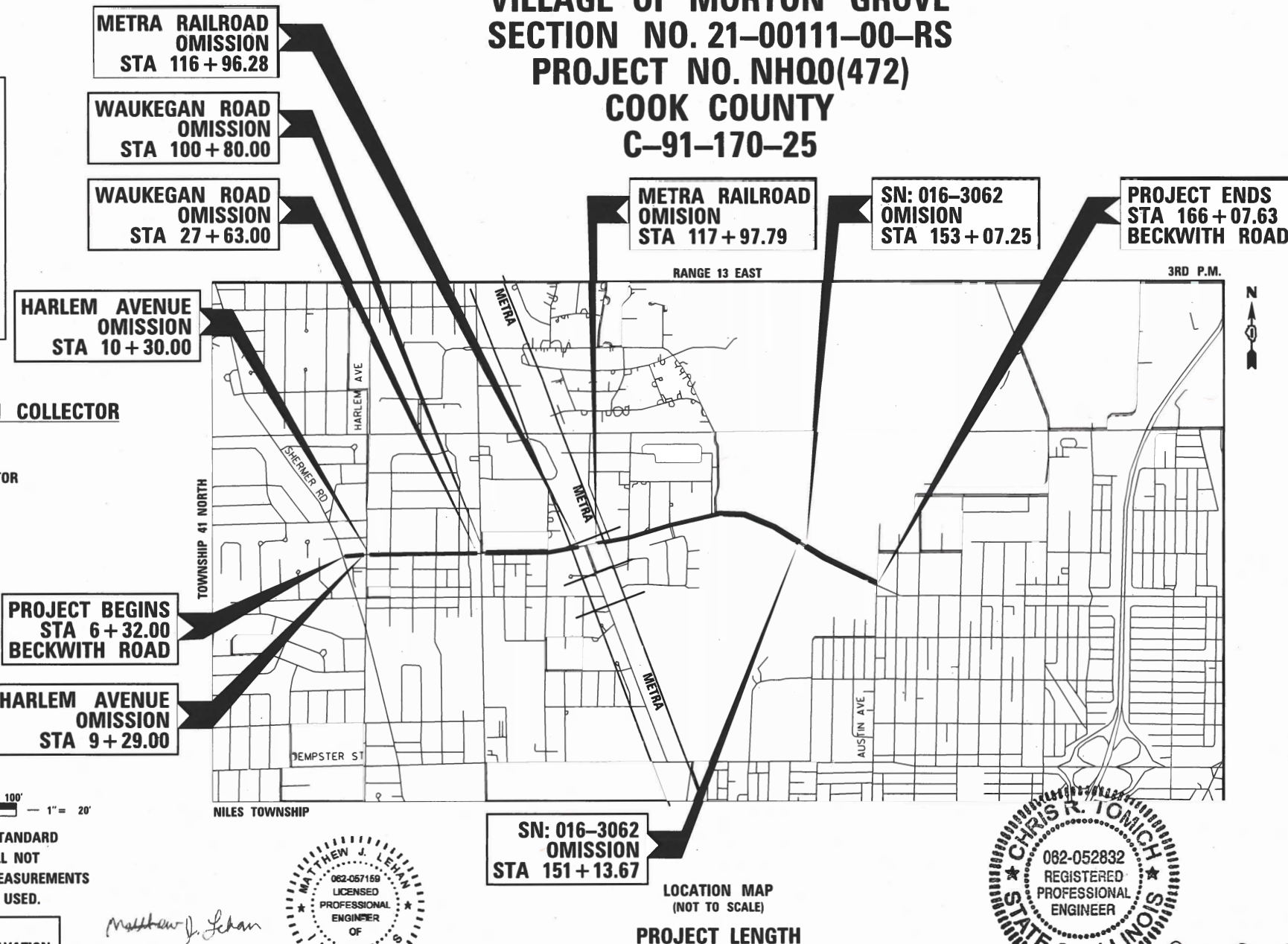
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DESIGN SPEED = 25 TO 30 MPH
POSTED SPEED = 25 TO 30 MPH
DESIGN DESIGNATION - 672(16) URBAN COLLECTOR



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

CONTRACT NO. 61L62



SN: 016-3062
OMISSION
STA 151+13.67

LOCATION MAP
(NOT TO SCALE)

PROJECT LENGTH

GROSS LENGTH (BECKWITH ROAD) = 8,622 FT. = 1.63 MILE
NET LENGTH (BECKWITH ROAD) = 8,190 FT. = 1.55 MILE



DATE: 4/7/2025
SEAL EXPIRES: 11/30/2025

SHEET NO
1 - 5
7 - 8
12 - 18
22 - 39



DATE: 4/7/2025
SEAL EXPIRES: 11/30/2025

SHEET NO
6
9 - 11
19 - 21

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	61L62	



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved: *Chris R. Tomich* 04/07/2025 DATE
Village of Morton Grove, Village Engineer

Passed: *April 2 2025* DATE
Chris R. Tomich
District 1 Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited
Review: *April 9 2025* DATE
Chris R. Tomich
Regional Engineer

PRINTED BY THE AUTHORITY
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INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	INDEX, STANDARDS AND GENERAL NOTES
3 - 5	SUMMARY OF QUANTITIES
6 - 8	TYPICAL SECTIONS
9 - 17	PROPOSED PLAN
18	MAINTENANCE OF TRAFFIC GENERAL NOTES AND STAGING
19 - 27	PAVEMENT MARKING PLAN
28 - 39	IDOT DISTRICT 1 DETAILS

LIST OF IDOT STANDARD DRAWINGS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH TO A FOOT
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE ALLEY PEDESTRIAN CROSSING
442201-03	CLASS C&D PATCHES
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAMES AND GRATE TYPE 11
606001-08	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES

LIST OF DISTRICT ONE DETAILS

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	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-23	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT.
- WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION AND ELEVATIONS OF UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO LOCATION AND ELEVATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDERS. THE ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION AND ELEVATION OF UTILITY FACILITIES, NOR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED.
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT 1-800-892-0123 AT LEAST 48 HOURS PRIOR TO START OF WORK.
- ANY EXISTING ROADWAY PAVEMENT OR SHOULDER DISTURBED DURING CONSTRUCTION THAT IS NOT SCHEDULED TO BE REMOVED SHALL BE RESTORED IN ACCORDANCE WITH I.D.O.T. AND VILLAGE OF MORTON GROVE STANDARDS.
- TACK COAT MUST BE INSTALLED NO EARLIER THAN TWENTY-FOUR (24) HOURS PRIOR TO PLACEMENT OF HOT-MIX ASPHALT.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY FINAL ADJUSTMENTS TO EXISTING AND PROPOSED FRAMES, GRATES, LIDS, AND STRUCTURES TO MEET FINAL FINISHED GRADES.
- THE CONTRACTOR SHALL MAINTAIN AND KEEP UP TO DATE A SET OF "RECORD DRAWINGS" SHOWING ALL CHANGES FROM THE ORIGINAL PLANS. THE CONTRACTOR SHALL DELIVER THE "RECORD DRAWINGS" TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT.
- MILLING OF THE ROADWAY WILL TAKE PLACE BEFORE PAVEMENT PATCH LOCATIONS ARE DETERMINED. IF AFTER MILLING IT IS DETERMINED THAT PATCHES SHOWN ON THE PLANS ARE NOT REQUIRED, THEN THEY WILL BE REMOVED.
- CONCRETE CURB AND GUTTER SHALL BE DEPRESSED AT ALL DRIVEWAYS AND ENTRANCES.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH METRA WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY METRA TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
- 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.
- THE 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.



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PLOT DATE = 11/4/2024	DATE - 4/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY INDEX, STANDARDS AND GENERAL NOTES			
SCALE: 1"=20'	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	2
CONTRACT NO. 61L62				
ILLINOIS		FED. AID PROJECT		

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 80% FED / 20% LOCAL 0005	ROADWAY 100% LOCAL 0005
	20101100	TREE TRUNK PROTECTION	EACH	8	8	
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
	20200100	EARTH EXCAVATION	CU YD	26	26	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	213	213	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	701	701	
	25200110	SODDING, SALT TOLERANT	SQ YD	701	701	
	25200200	SUPPLEMENTAL WATERING	UNIT	38	38	
	28000510	INLET FILTERS	EACH	46	46	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	213	213	
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	833	833	
	31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	145	145	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	25,790	25,790	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	24,732	24,732	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	38	38	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	540	540	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 80% FED / 20% LOCAL 0005	ROADWAY 100% LOCAL 0005
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,605	1,605	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	3,210	3,210	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	75	75	
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	44	44	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,113	4,113	
	42400800	DETECTABLE WARNINGS	SQ FT	433	433	
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	37,667	37,667	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	145	145	
	44000600	SIDEWALK REMOVAL	SQ FT	6,912	6,912	
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	53	53	
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	41	41	
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	71	71	
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	283	283	
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	268	268	
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	328	328	
	44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	3	3	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
SUMMARY OF QUANTITIES

SCALE: 1/4"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1313	SECTION 21-00111-00-RS	COUNTY COOK	TOTAL SHEETS 39	SHEET NO. 3
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

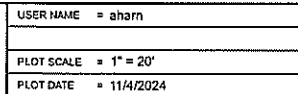
BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
SUMMARY OF QUANTITIES

SCALE: 87A/20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1313	SECTION 21-00111-00-RS	COUNTY COOK	TOTAL SHEETS 39	SHEET NO. 4
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 80% FED / 20% LOCAL 0005	ROADWAY 100% LOCAL 0005
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	13	13	
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	76	76	
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	385	385	
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	3	3	
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	44	44	
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	32	32	
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	37	37	
	44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	11	11	
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	52	52	
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	254	254	
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	491	491	
	44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	13	13	
	44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	16	16	
	44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	17	17	
	44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	62	62	
	60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 80% FED / 20% LOCAL 0005	ROADWAY 100% LOCAL 0005
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2	
	60404800	FRAMES AND GRATES, TYPE 11	EACH	5	5	
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1	
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	15	15	
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	54		54
*	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	7		7
	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	
	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	9,129	9,129	



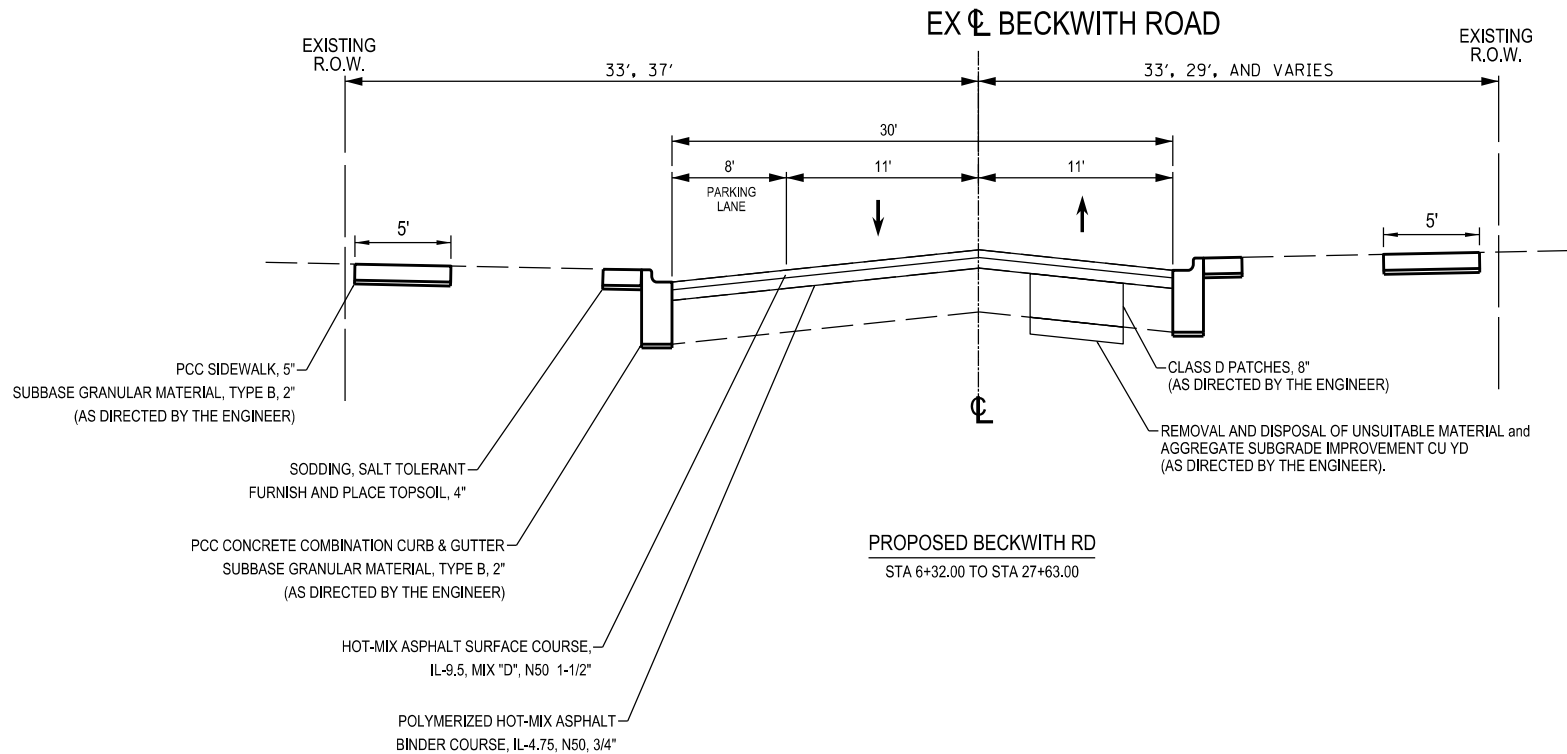
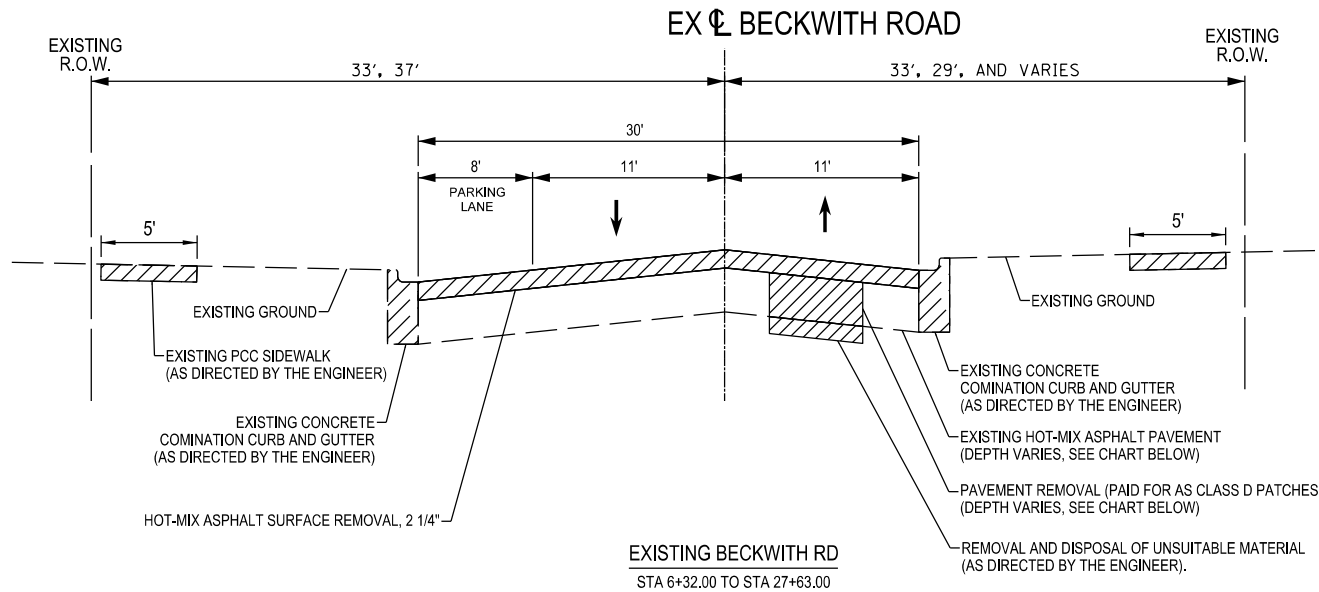
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BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY SUMMARY OF QUANTITIES

SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	5
		CONTRACT NO. 61L62		
ILLINOIS		FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
TYPICAL SECTIONS

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-R5	COOK	39	6
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

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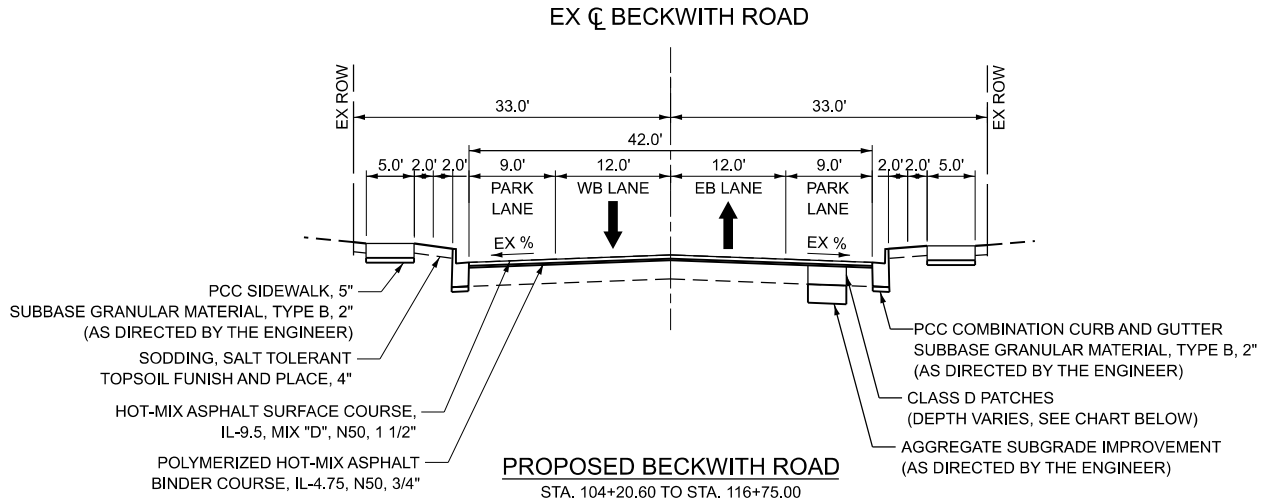
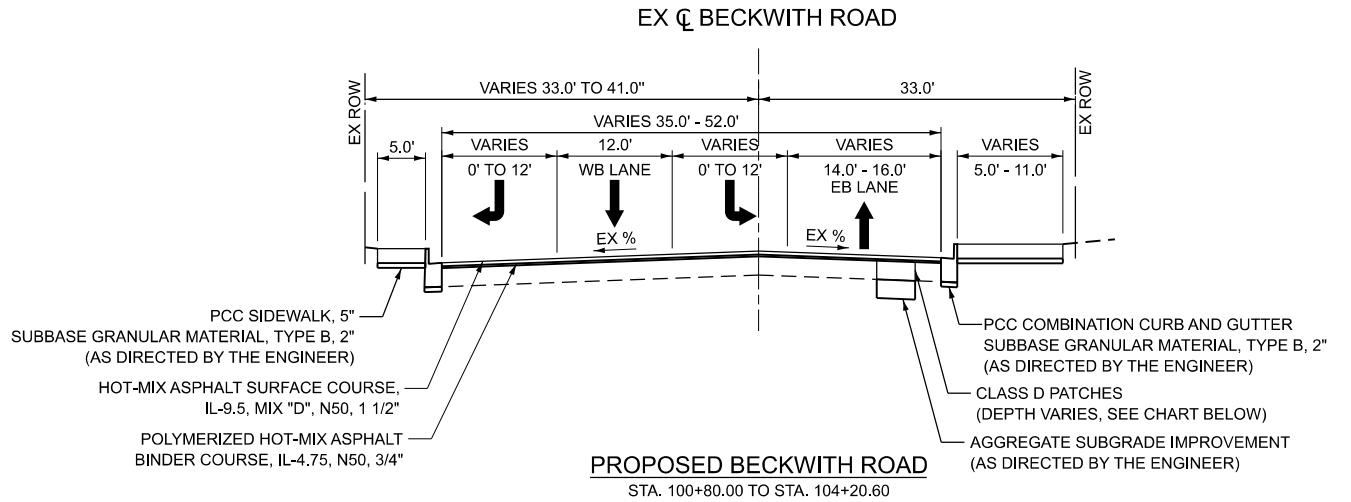
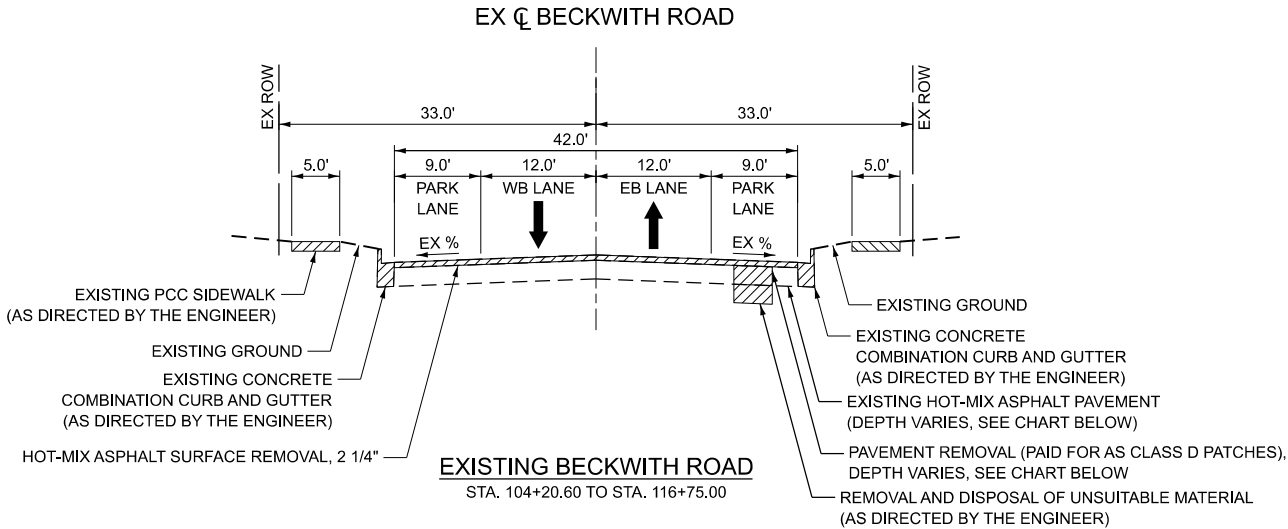
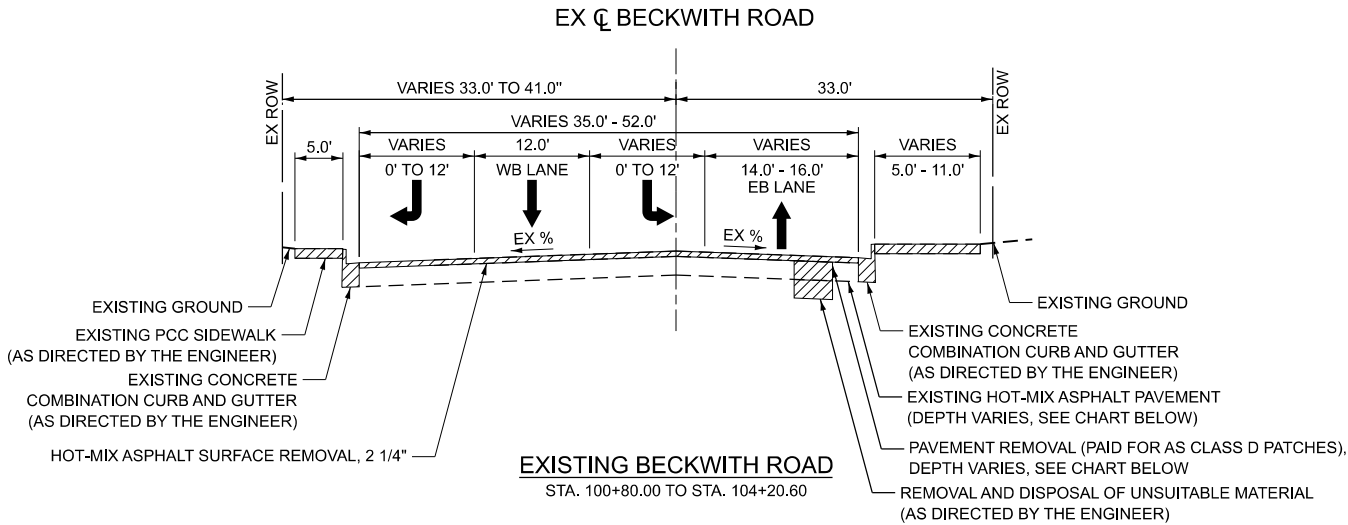


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REMOVALS



STATION RANGE	EXISTING PAVEMENT THICKNESS	PROPOSED CLASS D PATCH THICKNESS
STA 100+80.00 TO STA 107+00.00	10"	8"
STA 107+00.00 TO STA 114+24.00	13"	11"
STA 114+24.00 TO STA 123+31.38	11"	9"
STA 123+31.38 TO STA 127+94.49	13"	11"
STA 127+94.49 TO STA 132+06.84	16"	14"
STA 132+06.84 TO STA 148+41.58	12"	10"
STA 148+41.58 TO STA 148+59.63	8"	6"
STA 148+59.63 TO STA 160+89.42	13"	11"
STA 160+89.42 TO STA 166+07.63	8"	6"



HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"	4% @ 50 GYR	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm)	4% @ 70 GYR	LR 1030-2
HMA DRIVEWAY PAVEMENT 3"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)	4% @ 50 GYR	LR 1030-2
QMP DESIGNATION: LOCAL QUALITY ASSURANCE / QUALITY MANAGEMENT QC/QA PER LR 1030-2		

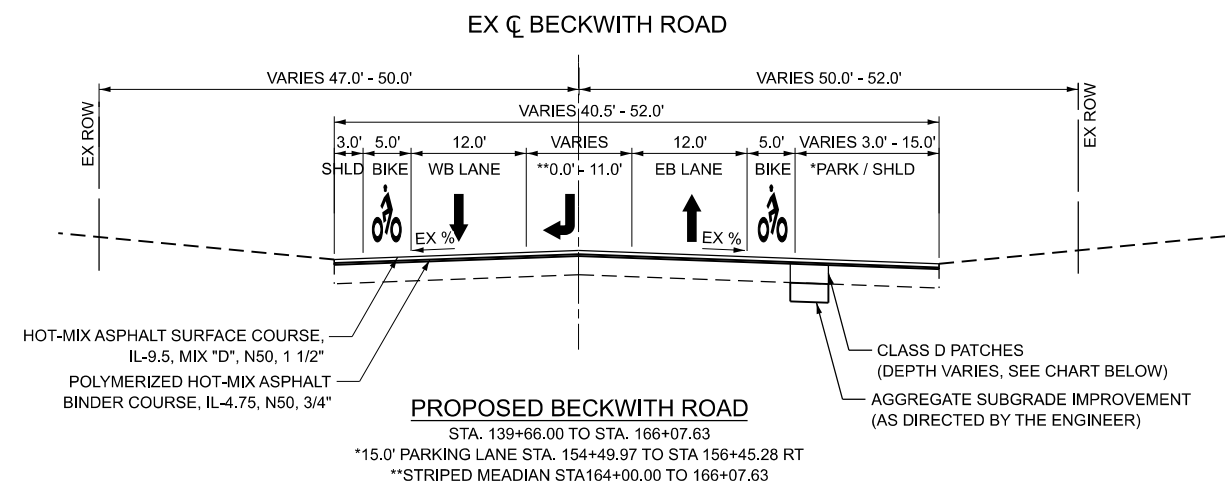
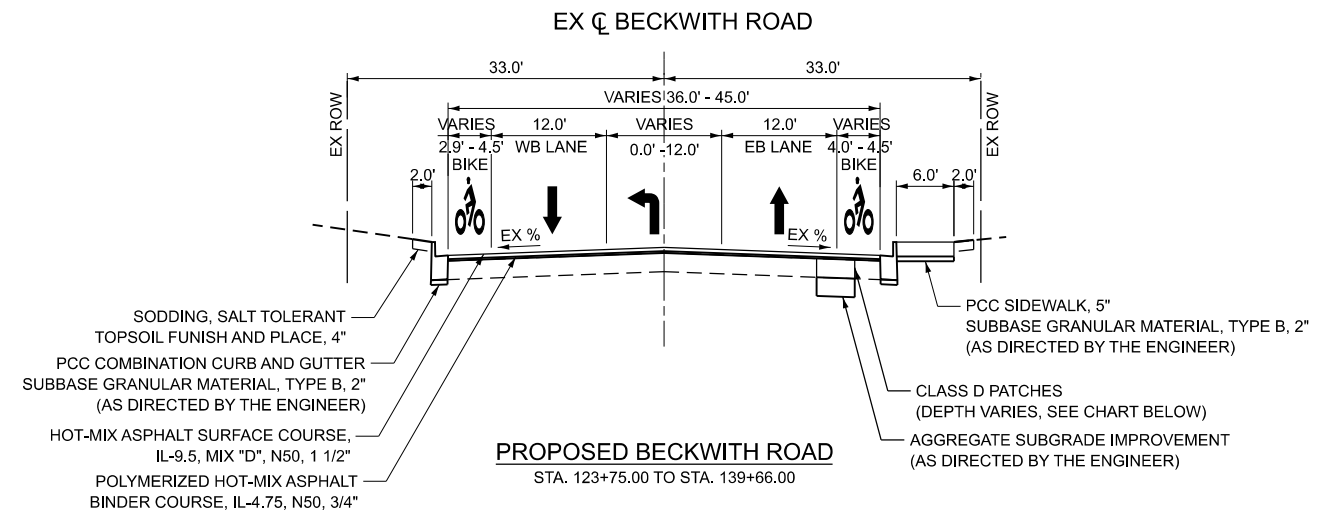
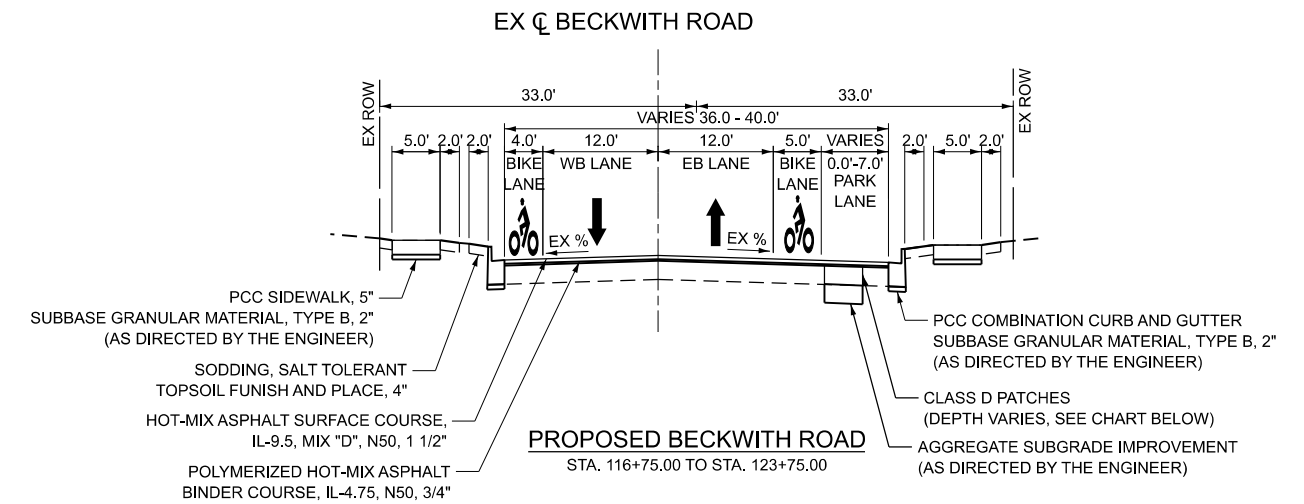
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES QUANTITIES IS 112 LBS/SY YD/IN.
- THE "AC" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIAL SPECIFICATIONS.
- THE CONTRACTOR SHALL MILL BEFORE PATCHING.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

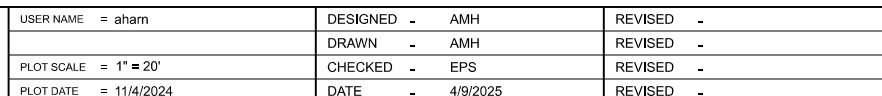
BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
TYPICAL SECTIONS

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	7
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

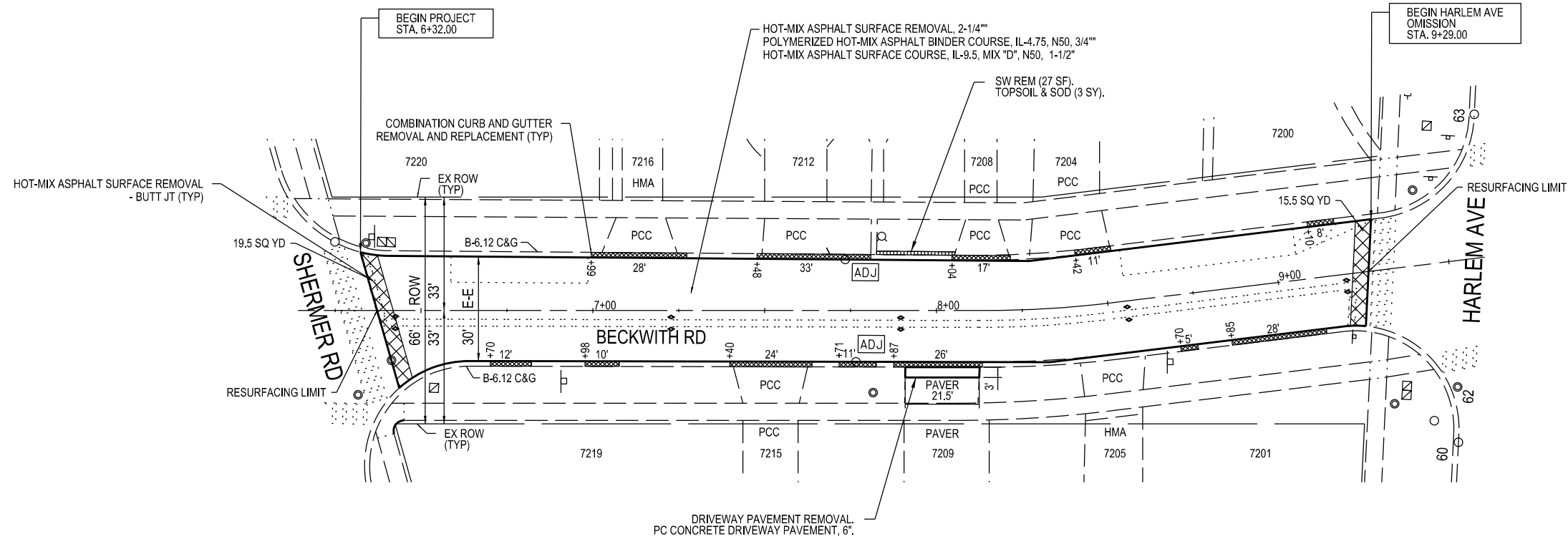


REMOVALS



BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	8
		CONTRACT NO. 61L62		
		ILLINOIS FED. AID PROJECT		



LEGEND

SP

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

ADJ

DRAINAGE STRUCTURE TO BE ADJUSTED

REC

DRAINAGE STRUCTURE TO BE RECONSTRUCTED

NOTE:
COMBINATION CURB AND GUTTER AND PAVEMENT PATCH LOCATIONS SHOWN
ARE APPROXIMATE AND FOR THE CONTRACTOR'S CONVENIENCE. FINAL LOCATIONS
OF THE AFOREMENTIONED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.



MODEL: \$MODELNAME\$
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DATE	- 03-03-2025

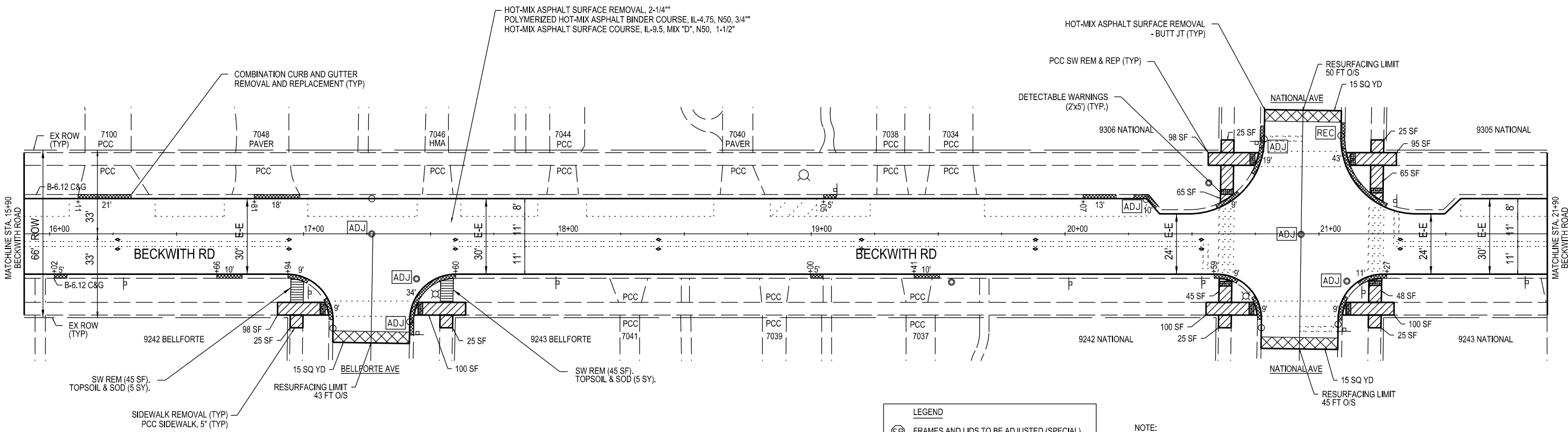
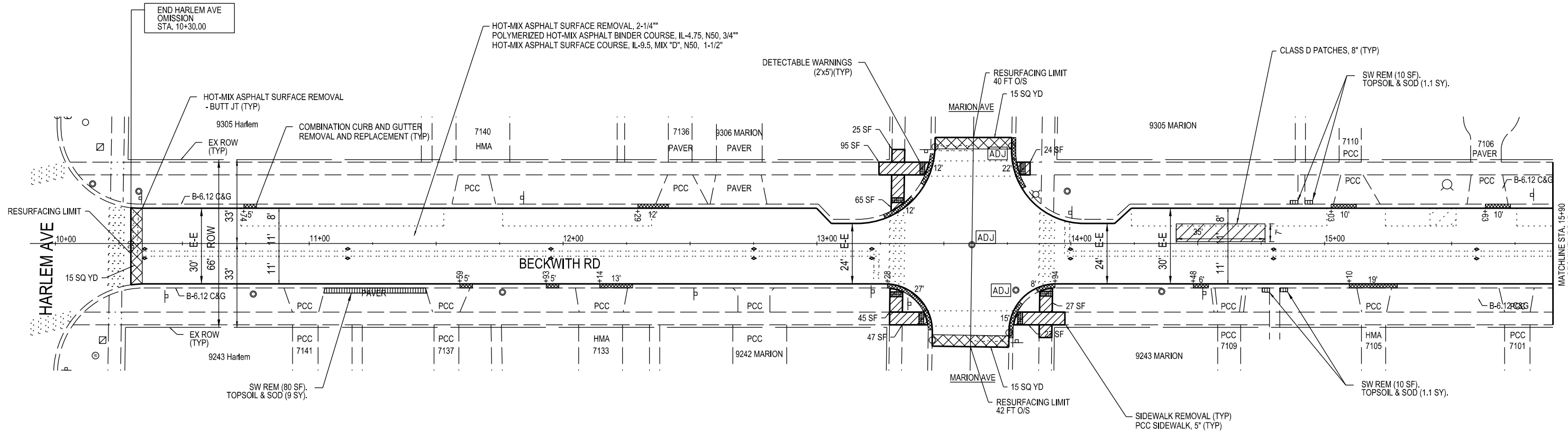
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PROPOSED PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 21+90 TO STA. 27+63

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	9
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



LEGEND	
SP	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED
REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED

NOTE:
COMBINATION CURB AND GUTTER AND PAVEMENT PATCH LOCATIONS SHOWN
ARE APPROXIMATE AND FOR THE CONTRACTOR'S CONVENIENCE. FINAL LOCATIONS
OF THE AFOREMENTIONED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.



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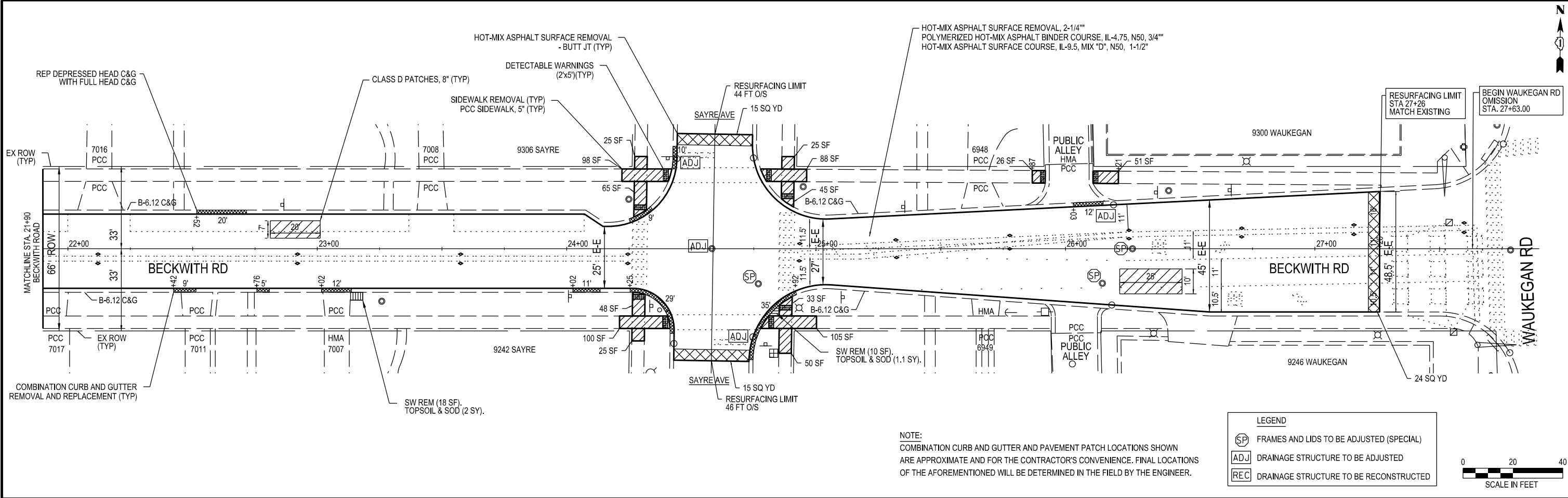
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PROPOSED PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 10+00 TO STA. 21+90

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-R5	COOK	39	10
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				





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DATE - 03-03-2025

REVISED -

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY

PROPOSED PLAN

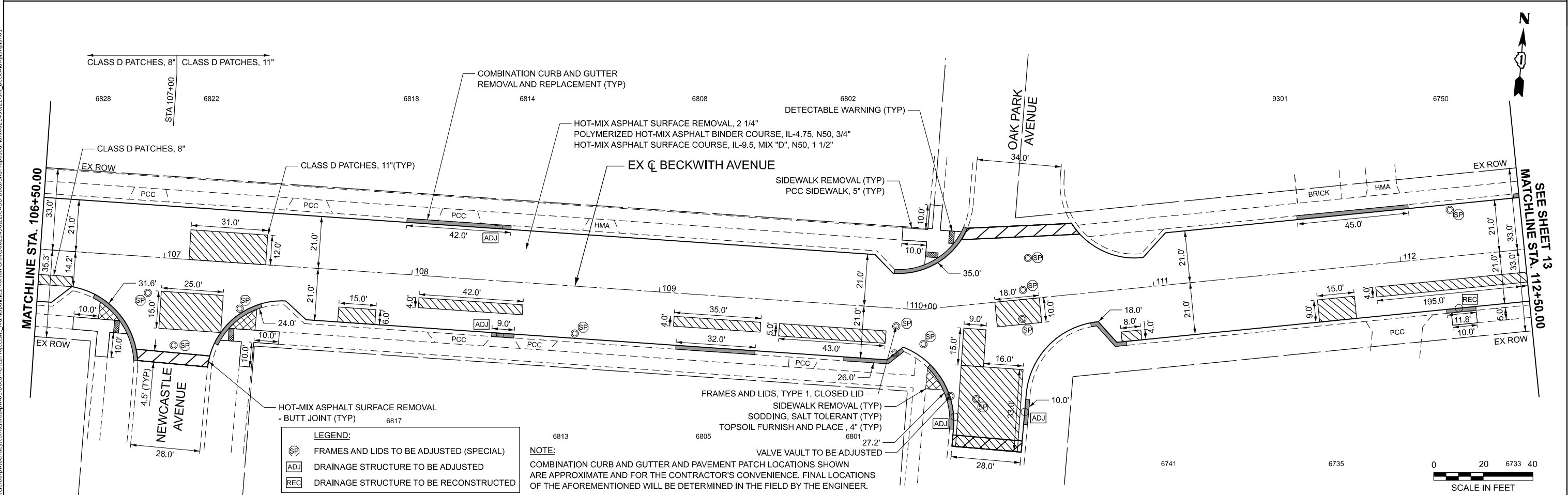
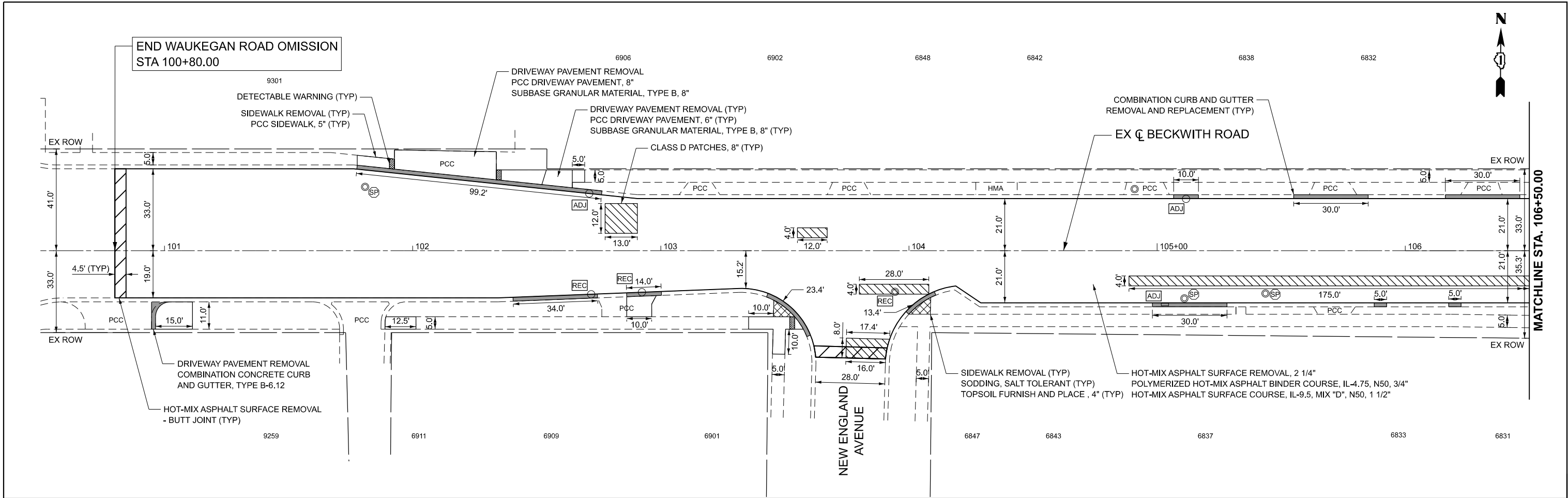
SCALE: 1"=20'

SHEET OF SHEETS

STA. 21+90 TO STA. 27+63

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-001111-00-RS	COOK	39	11
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

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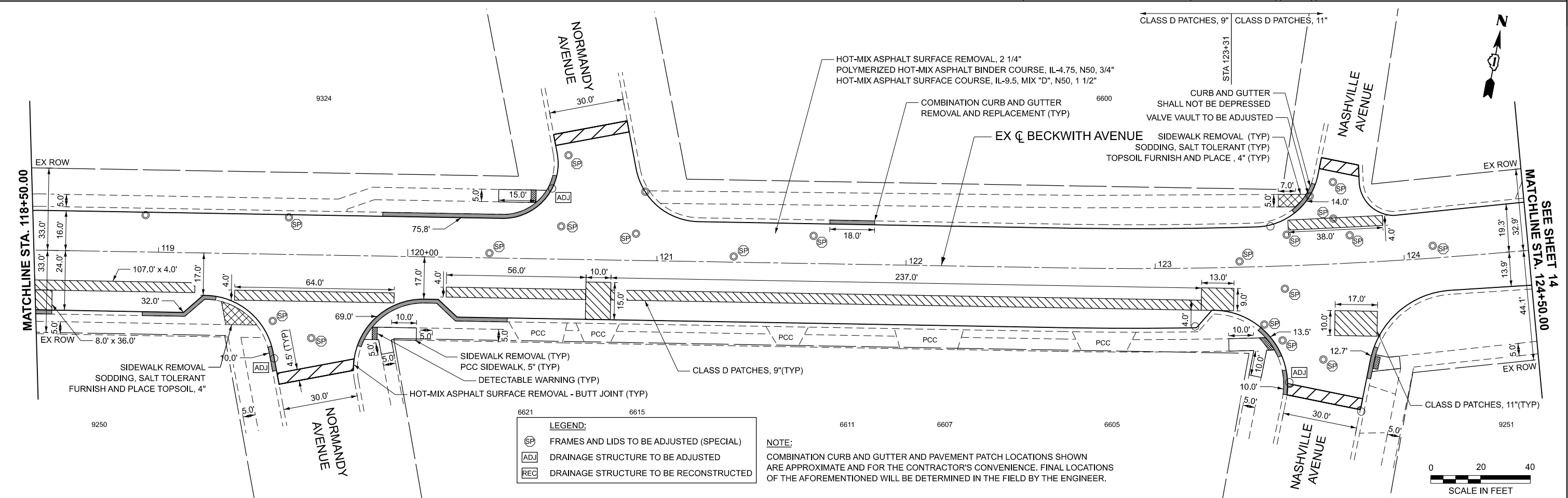
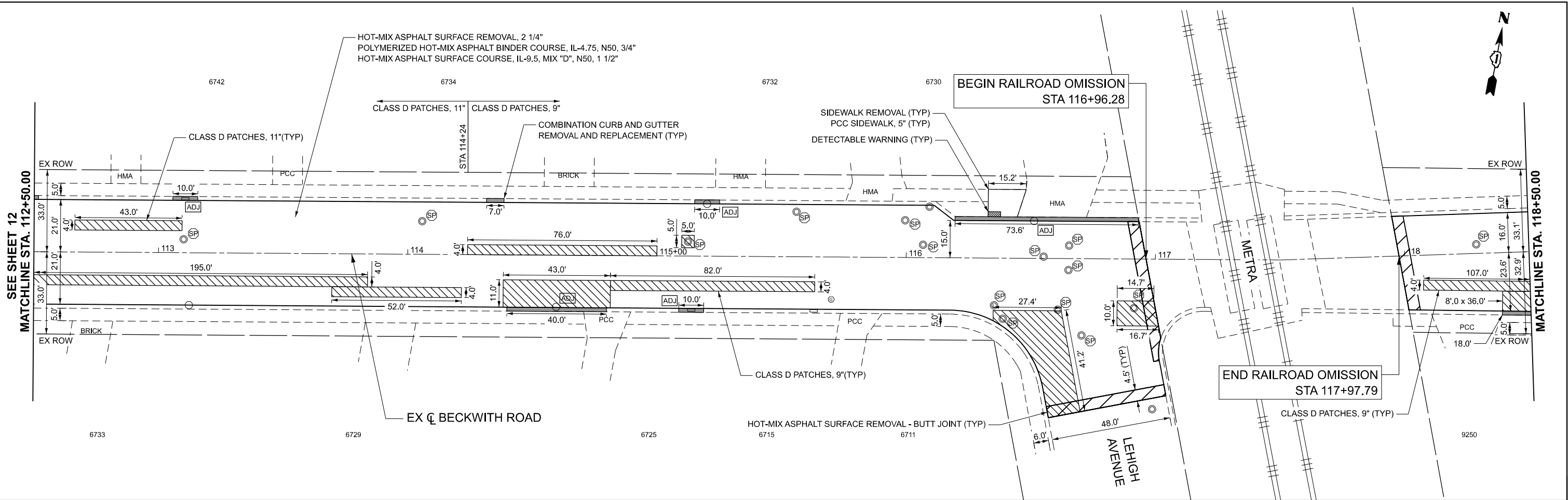
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PROPOSED PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 100+50.00 TO STA. 112+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



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PLOT DATE	= 11/4/2024

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REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY			
PROPOSED PLAN			
SCALE: 1" = 20'	SHEET	OF	SHEETS
STA. 112+50.00		TO STA. 124+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

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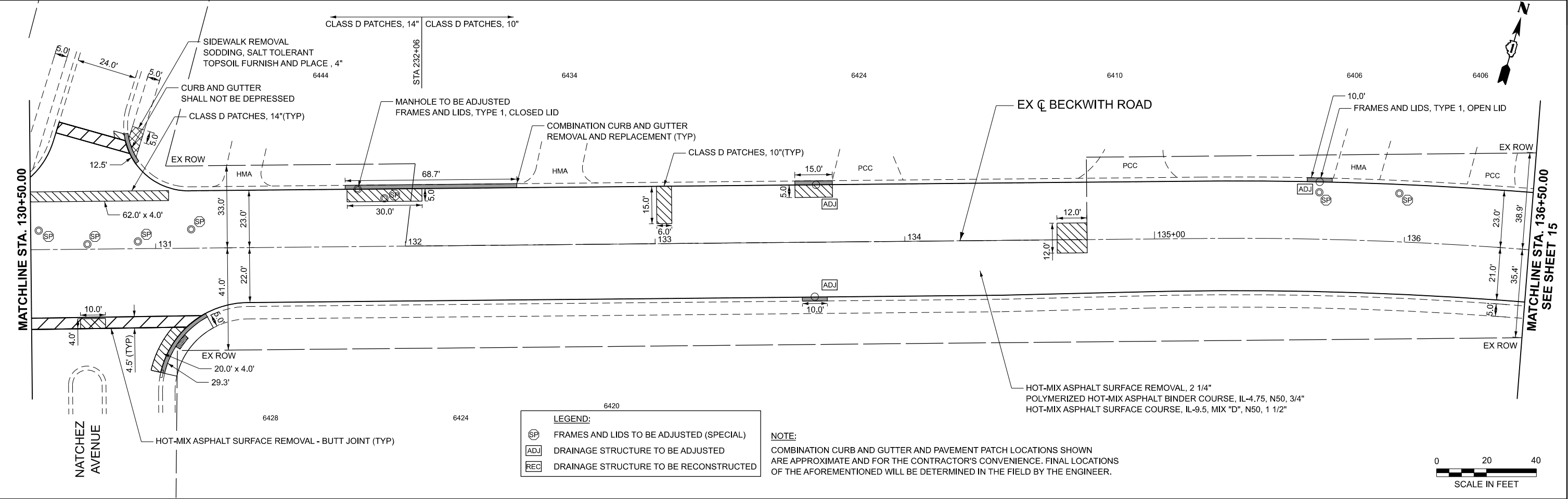
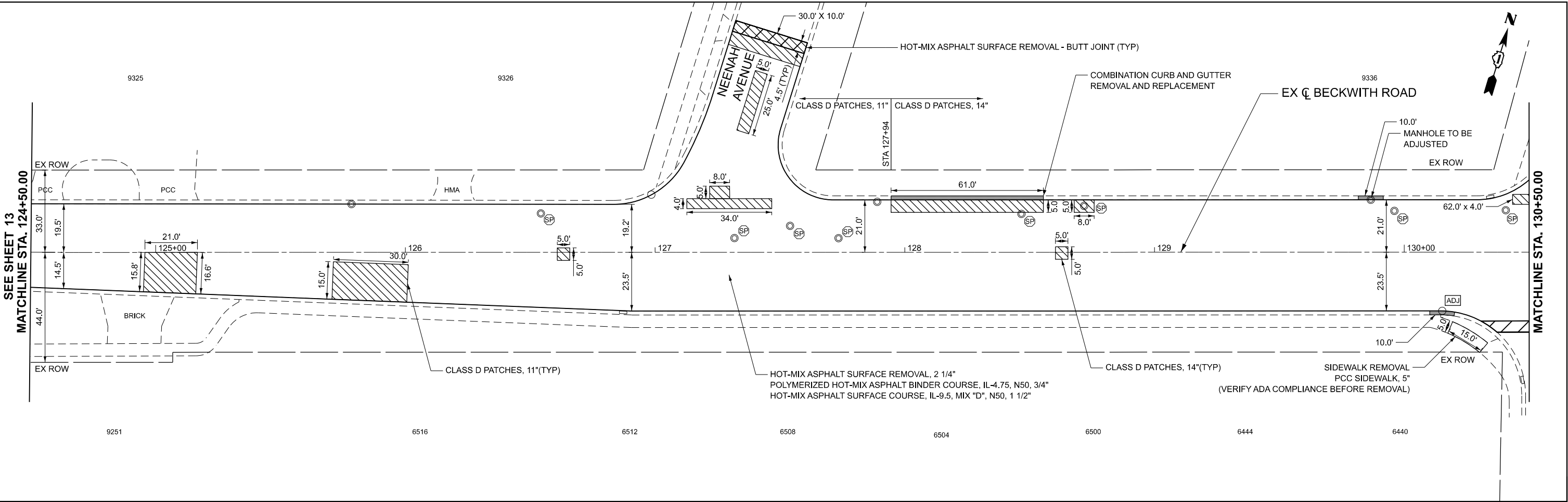
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PROPOSED PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 124+50.00 TO STA. 136+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	14
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

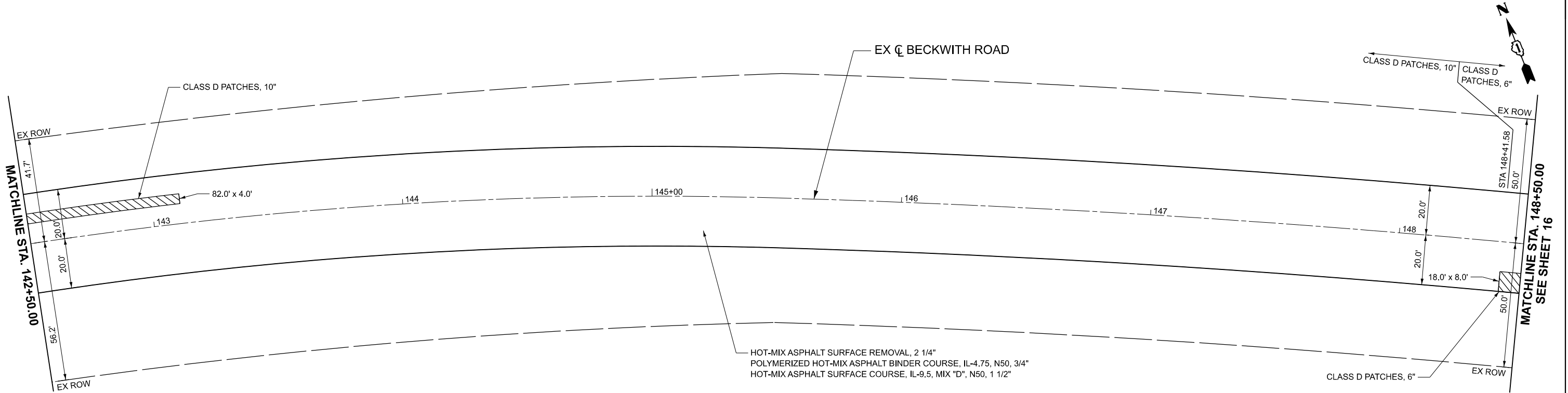
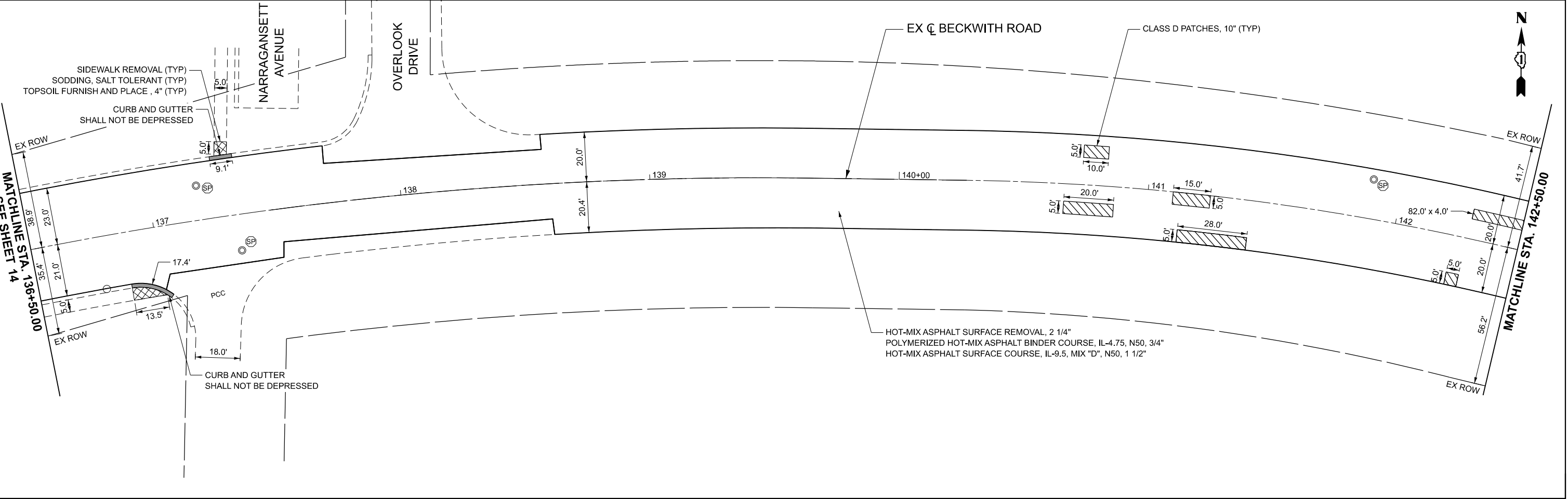


LEGEND:	
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	DRAINAGE STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE RECONSTRUCTED

NOTE:
COMBINATION CURB AND GUTTER AND PAVEMENT PATCH LOCATIONS SHOWN
ARE APPROXIMATE AND FOR THE CONTRACTOR'S CONVENIENCE. FINAL LOCATIONS
OF THE AFOREMENTIONED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.



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LEGEND:	
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	DRAINAGE STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE RECONSTRUCTED

NOTE:
COMBINATION CURB AND GUTTER AND PAVEMENT PATCH LOCATIONS SHOWN ARE APPROXIMATE AND FOR THE CONTRACTOR'S CONVENIENCE. FINAL LOCATIONS OF THE AFOREMENTIONED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.





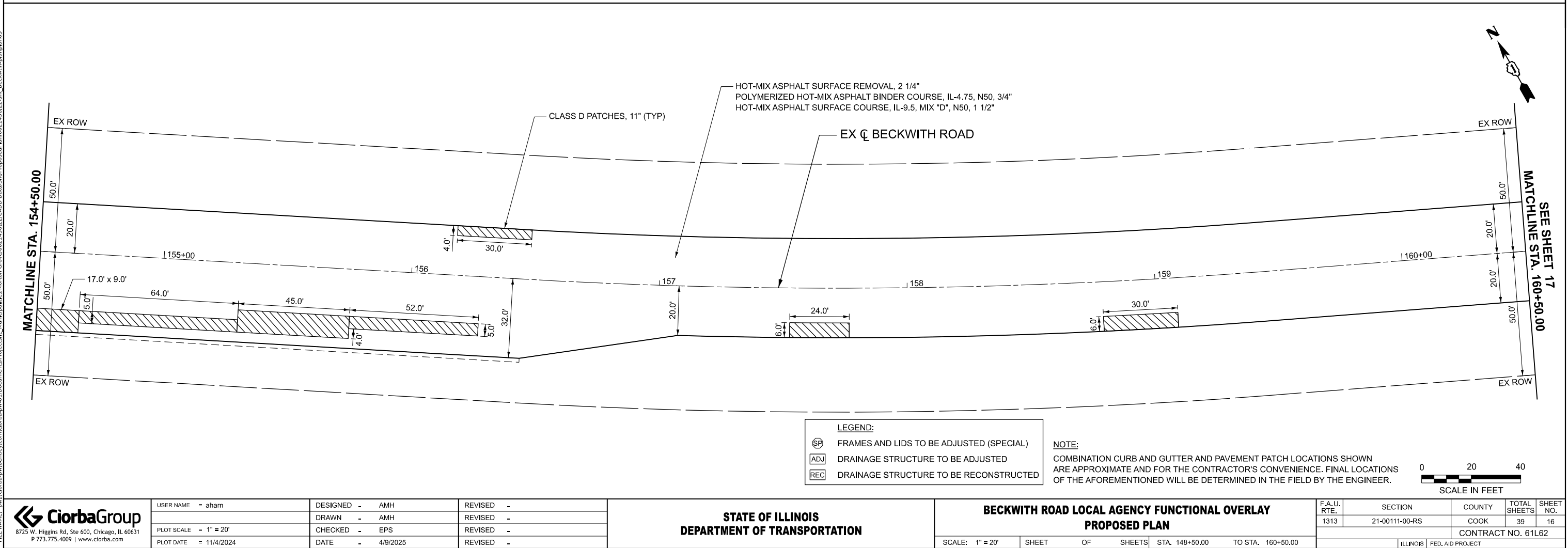
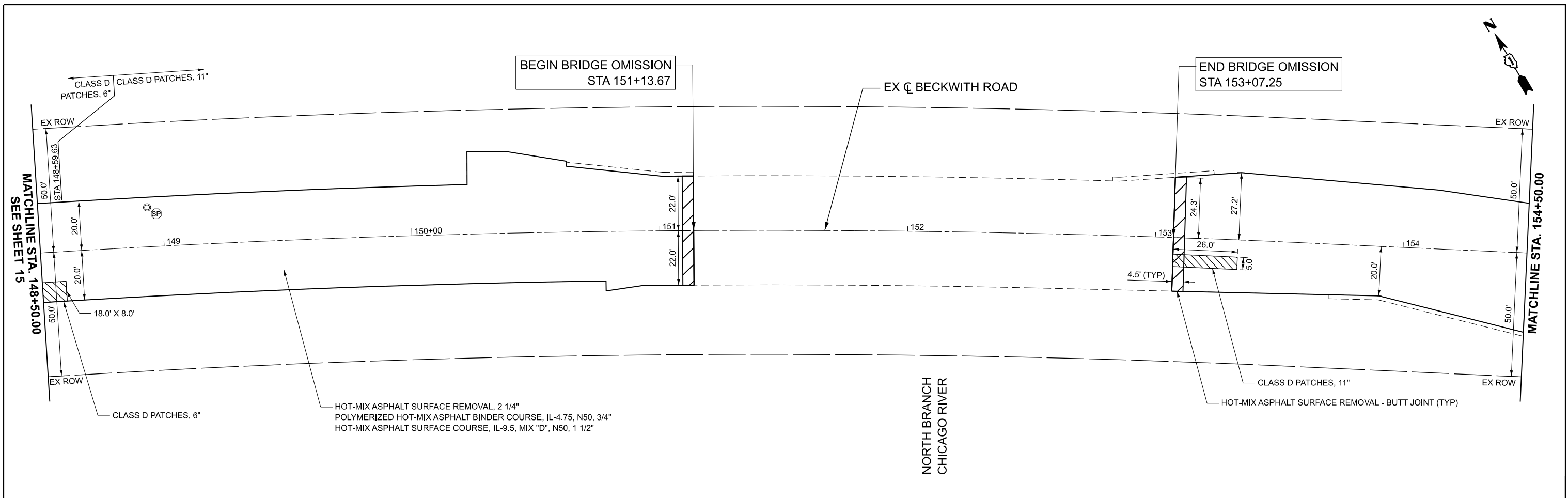
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY PROPOSED PLAN			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 136+50.00 TO STA. 148+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	15
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



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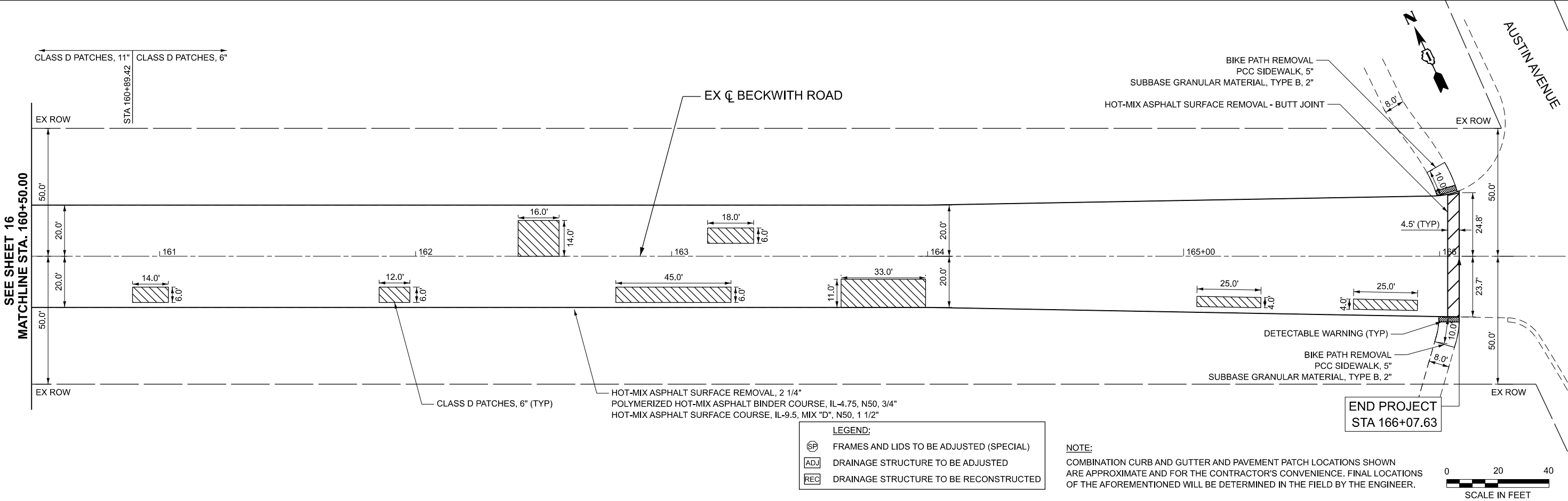
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PROPOSED PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 160+50.00 TO STA. 166+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	17
CONTRACT NO. 61L62				
		ILLINOIS	FED. AID PROJECT	



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8725 W. Higgins Rd., Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
MAINTENANCE OF TRAFFIC GENERAL NOTES AND STAGING

SCALE: NTA 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	18
CONTRACT NO. 61L62				
		ILLINOIS	FED. AID PROJECT	

STAGING AND TRAFFIC CONTROL GENERAL NOTES

- STAGING WILL BE DONE SEQUENTIALLY AS SHOWN IN THE STAGING AND TRAFFIC SEQUENCE TO MAINTAIN TRAFFIC THROUGHOUT THE AREA.
- WORK WILL BE DONE ALONG ONE SIDE OF THE ROADWAY AT A TIME.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF TRAFFIC CONTROL SWITCH BETWEEN STAGES. THE CONTRACTOR SHALL ALSO CONFIRM THE PLANNED STAGE CHANGE WITH THE ENGINEER 24 HOURS PRIOR.
- PRIOR TO REMOVING TRAFFIC CONTROL AND OPENING CLOSED PAVEMENT AREAS TO TRAFFIC, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- THE CONTRACTOR SHALL GAP CONSTRUCT THE PAVEMENT AND ENTRANCES TO MAINTAIN ACCESS.
- PAVEMENT, CURB, SIDEWALK AND DRIVEWAYS TO BE REMOVED MUST BE COMPLETELY REMOVED FROM THE SITE BY THE END OF THE DAY. NO REMOVAL ITEMS MAY BE STORED ON SITE.
- DRIVEWAY ENTRANCE SIGNING (TC-26) WILL BE INSTALLED AT EACH COMMERCIAL ENTRANCE ALONG BECKWITH ROAD WITHIN THE PROJECT LIMITS.
- WORKER SIGNS (W21-1) SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

STAGING AND TRAFFIC SEQUENCE OF CONSTRUCTION

STAGE 1

CONSTRUCTION

- REMOVE EXISTING CURB AND GUTTER AND SIDEWALK ALONG THE SOUTH SIDE OF BECKWITH ROAD.
- DRAINAGE STRUCTURES WITHIN CURB REMOVAL LIMITS TO BE ADJUSTED.
- FRAME AND POUR NEW CURB AND GUTTER AND SIDEWALK ALONG THE SOUTH SIDE OF BECKWITH ROAD.

TRAFFIC CONTROL

- MAINTAIN TRAFFIC UTILIZING STANDARDS 701501, 701502, 701701 AND 701801.
- WORK AT ENTRANCES / ALLEYS WILL BE GAPPED TO ALLOW ACCESS FOR RESIDENTS.

STAGE 2

CONSTRUCTION

- REMOVE EXISTING CURB AND GUTTER AND SIDEWALK ALONG THE NORTH SIDE OF BECKWITH ROAD.
- DRAINAGE STRUCTURES WITHIN CURB REMOVAL LIMITS TO BE ADJUSTED.
- FRAME AND POUR NEW CURB AND GUTTER AND SIDEWALK ALONG THE NORTH SIDE OF BECKWITH ROAD.

TRAFFIC CONTROL

- MAINTAIN TRAFFIC UTILIZING STANDARDS 701501, 701502, 701701 AND 701801.
- WORK AT ENTRANCES / ALLEYS WILL BE GAPPED TO ALLOW ACCESS FOR RESIDENTS.

STAGE 3

CONSTRUCTION

- STRUCTURES WITHIN MAINLINE BECKWITH ROAD WILL BE LOWERED PER IDOT D1 DETAIL BD-08.
- MILL BECKWITH ROAD.
- APPLY TEMPORARY PAINT PAVEMENT MARKINGS.

TRAFFIC CONTROL

- MAINTAIN TRAFFIC UTILIZING STANDARDS 701311, 701501, 701502, 701701 AND 701801.

STAGE 4

CONSTRUCTION

- PAVEMENT PATCHING
- STRUCTURES WITHIN MAINLINE BECKWITH ROAD TO BE ADJUSTED.

TRAFFIC CONTROL

- MAINTAIN TRAFFIC UTILIZING STANDARDS 701311, 701501, 701502, 701701 AND 701801.

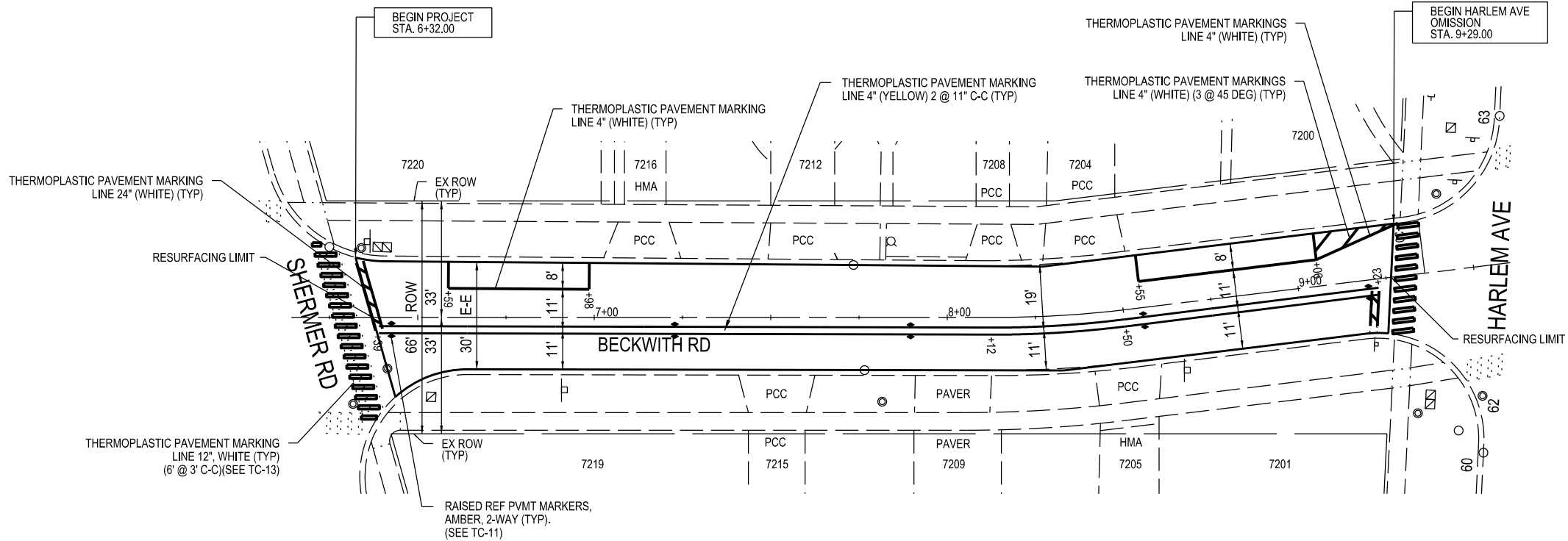
STAGE 5

CONSTRUCTION

- PAVE BINDER COURSE.
- PAVE SURFACE COURSE.
- ESTABLISH PERMENANT PAVEMENT MARKINGS.

TRAFFIC CONTROL

- MAINTAIN TRAFFIC UTILIZING STANDARDS 701311, 701501, 701502, 701701 AND 701801.



EXISTING CONDITIONS AND
PROPOSED IMPROVEMENTS



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FILE: \$NAME\$. \$EXT\$



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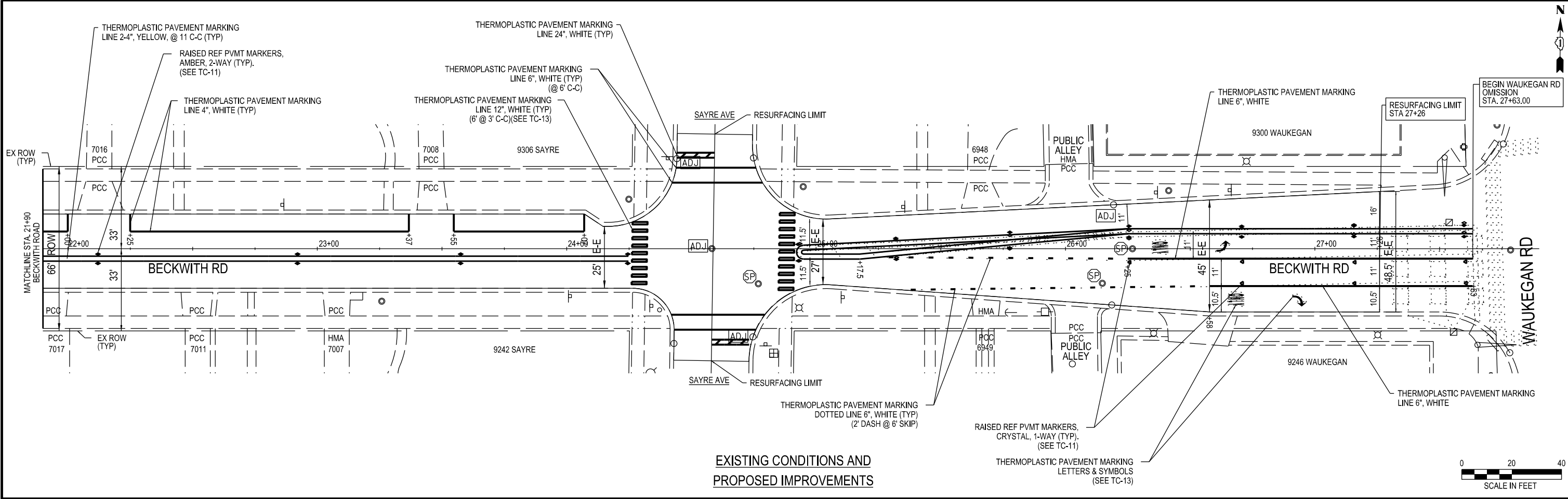
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PAVEMENT MARKING PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 21+90 TO STA. 27+63

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-001111-00-RS	COOK	39	19
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND
PROPOSED IMPROVEMENTS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PAVEMENT MARKING PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 21+90 TO STA. 27+63

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

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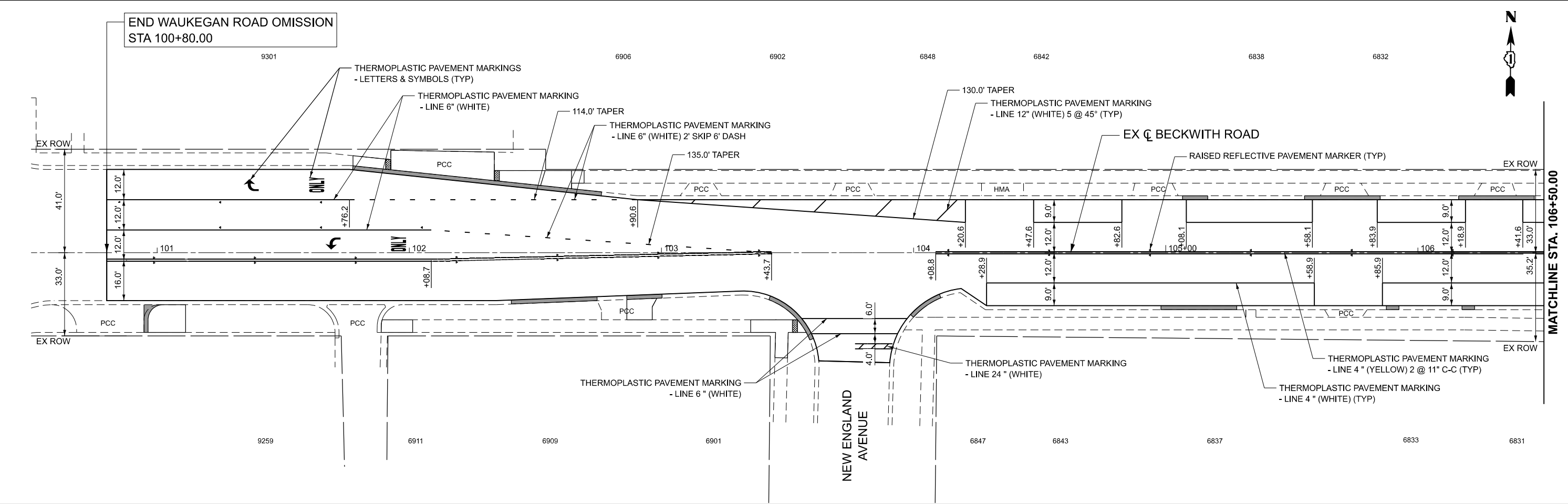
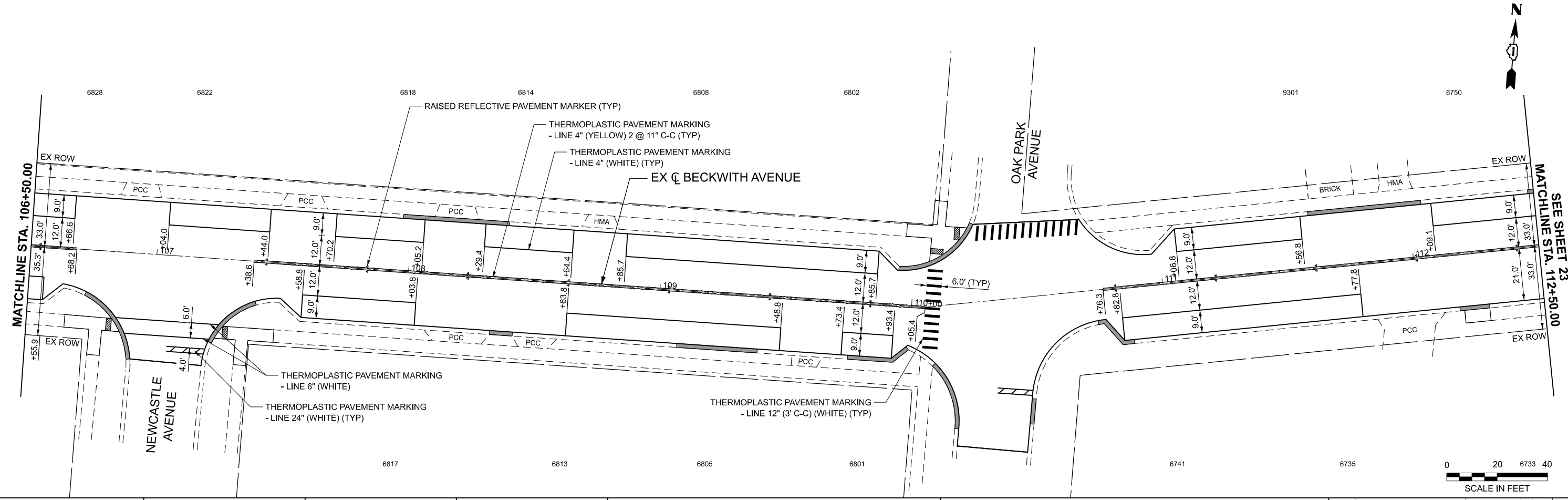
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 100+50.00 TO STA. 112+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	22
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



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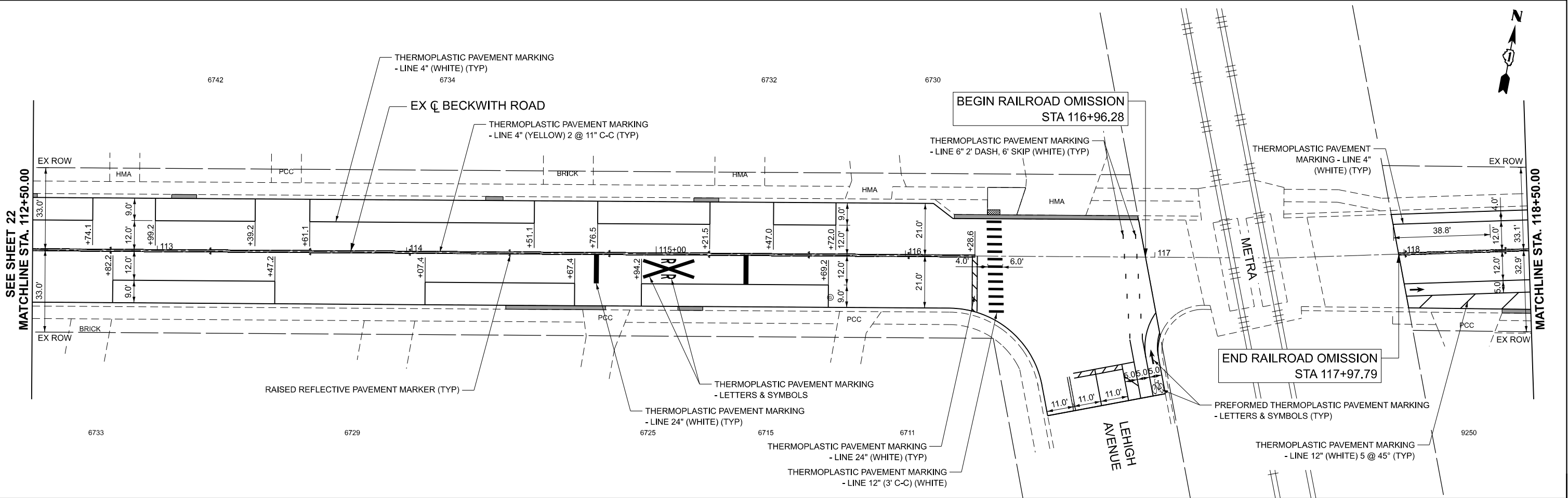
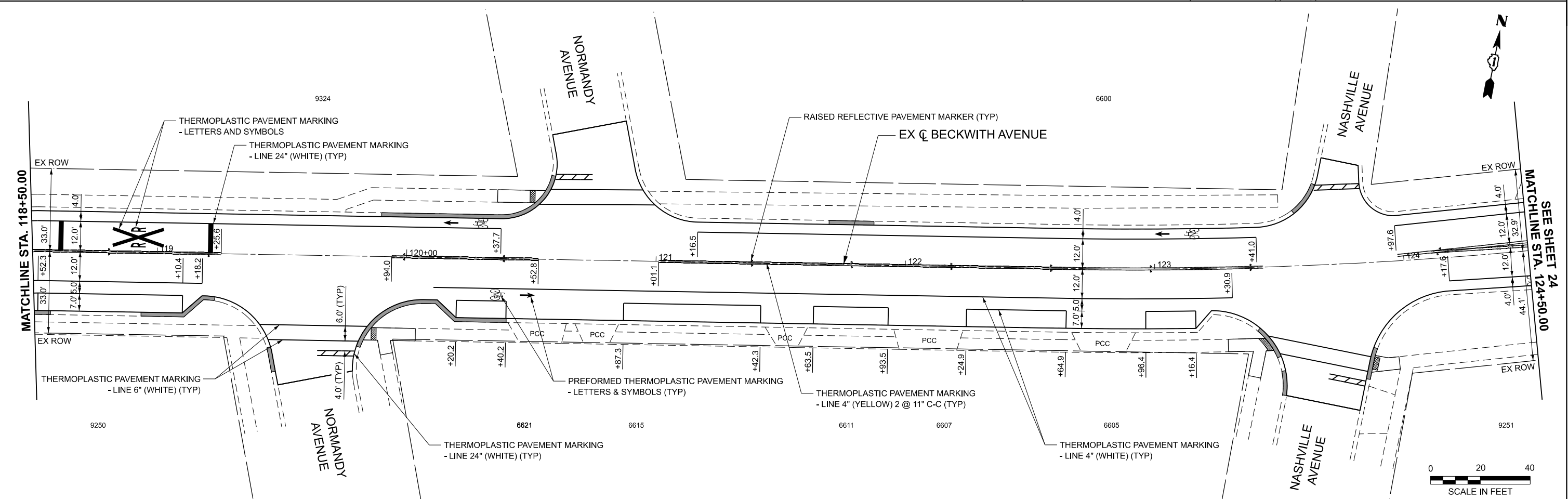
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 112+50.00 TO STA. 124+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	23
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



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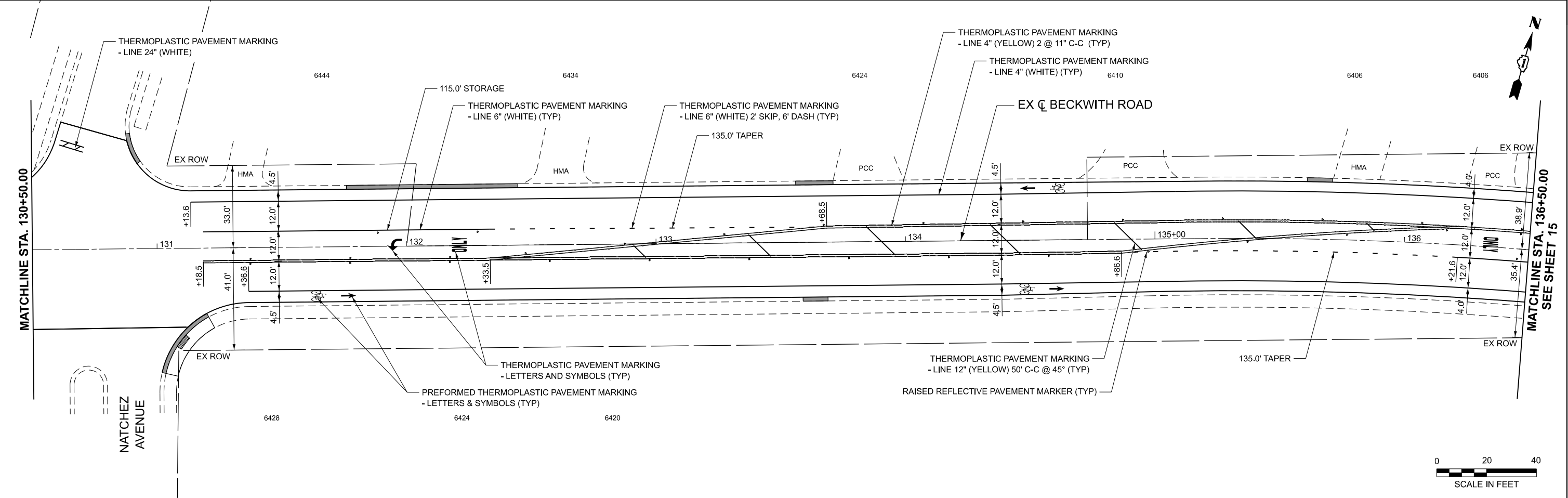
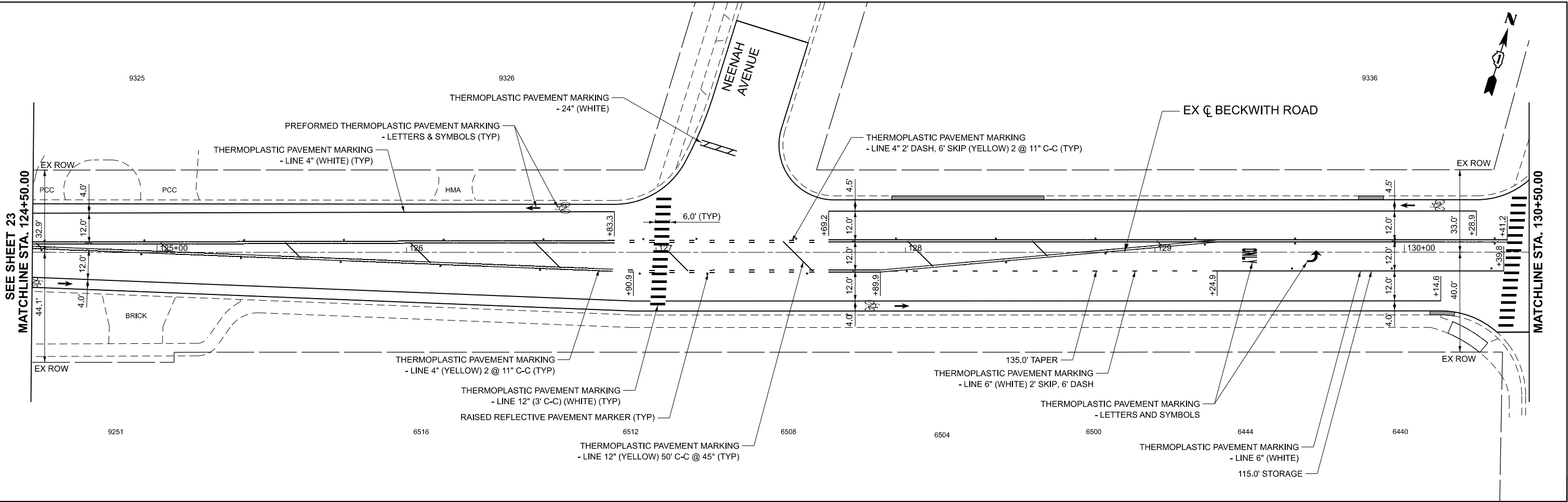
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 124+50.00 TO STA. 136+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	24
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				



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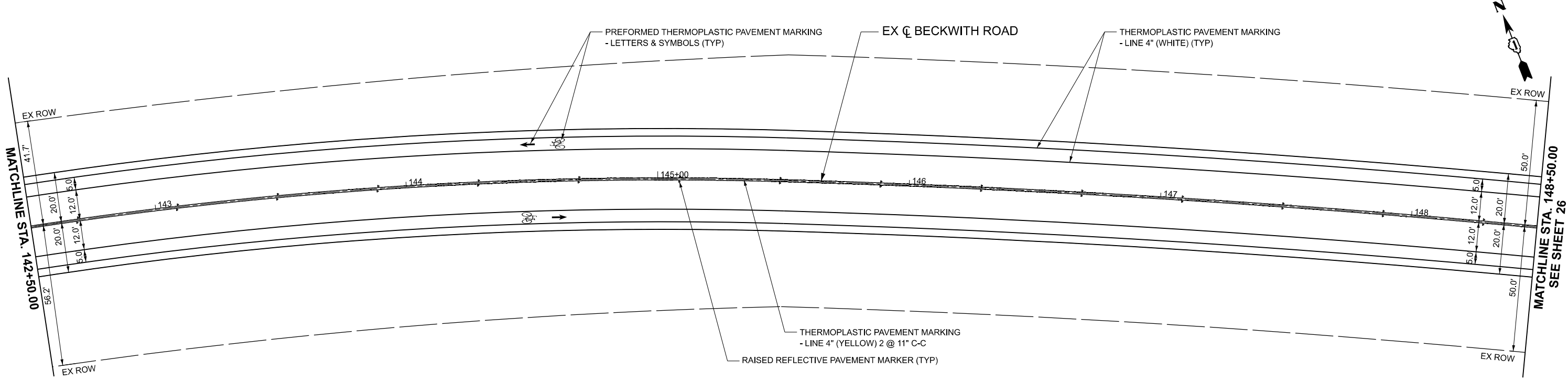
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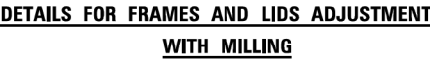
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 136+50.00 TO STA. 148+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	25
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				





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.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

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.

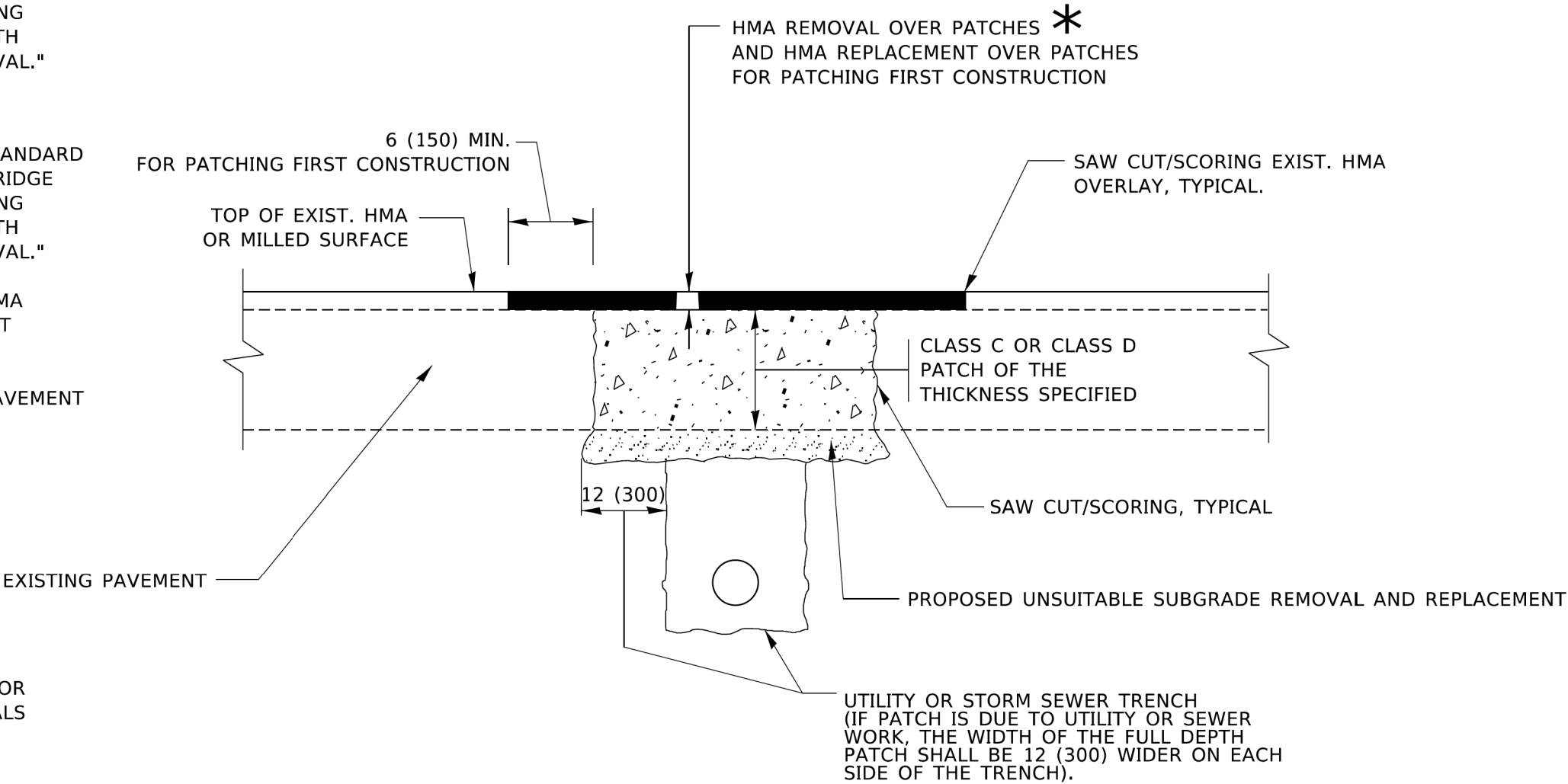
BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY DISTRICT ONE DETAILS - BD-08				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
				1313	21-00111-00-RS	COOK	39
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61L			
				ILLINOIS	FED. AID PROJECT		

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.

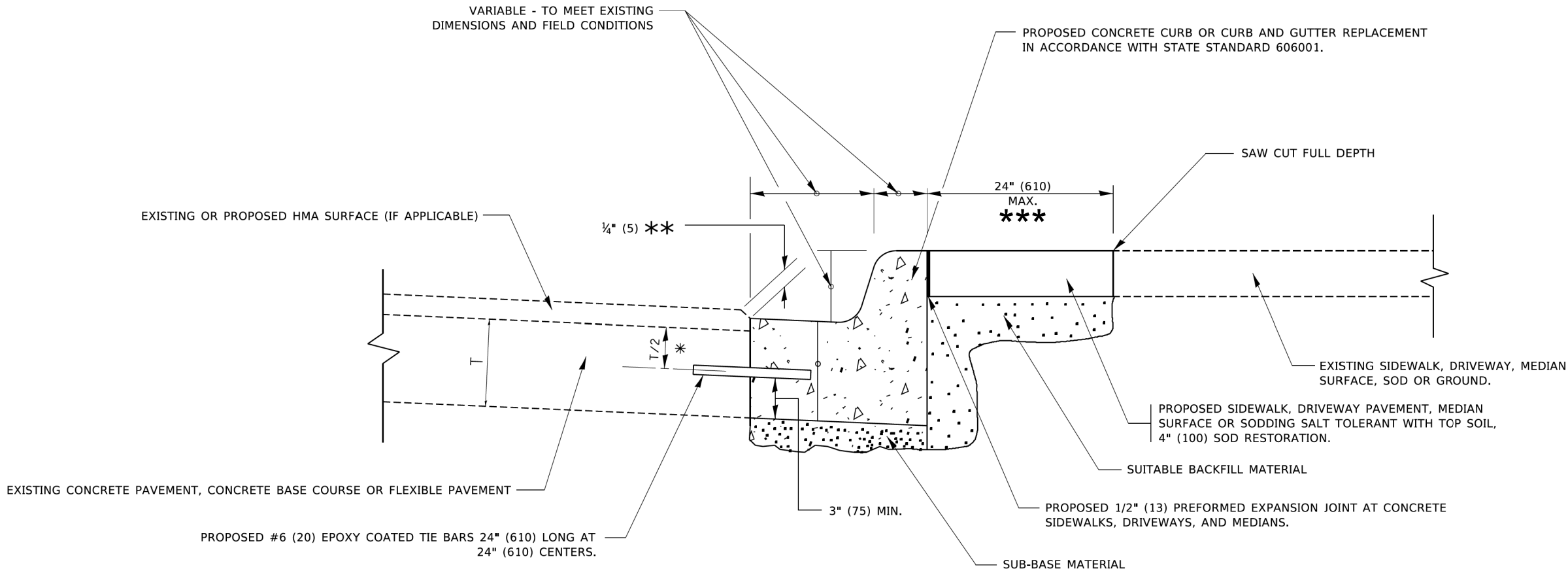
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	PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22										

USER NAME = aham	DESIGNED - AMH	REVISED -
DRAWN - AMH	DRAWN -	REVISED -
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PLOT DATE = 11/4/2024	DATE - 4/7/2025	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	29
CONTRACT NO. 61L62				
ILLINOIS FED. AID PROJECT				

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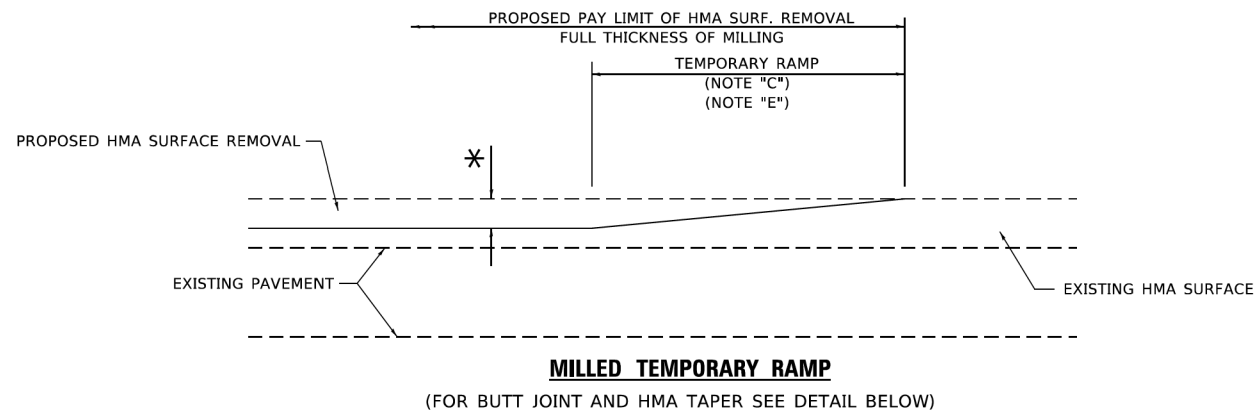
- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- *** DRIVEWAY PAVEMENT RESTORATION WILL BE A MAXIMUM WIDTH OF 36"

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

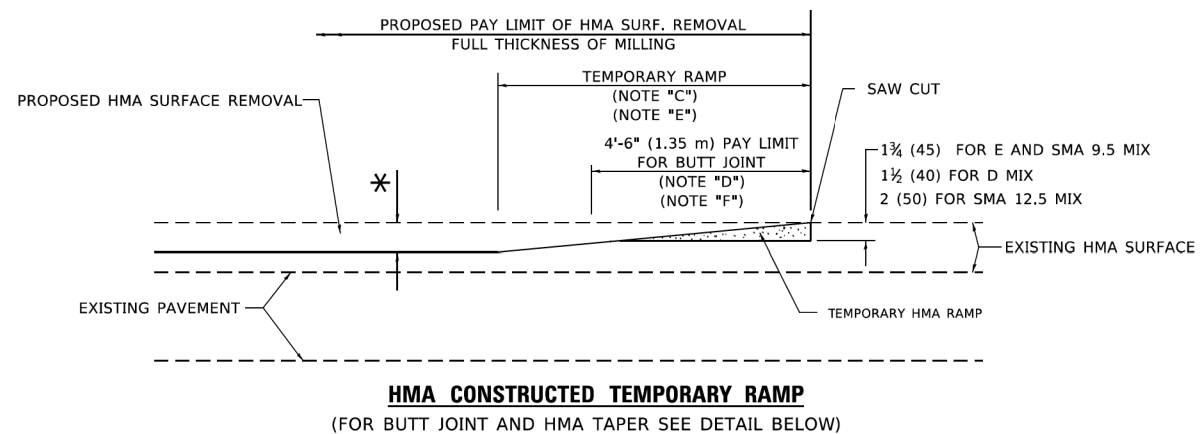
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				USER NAME = [footern]	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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					DATE - 03-11-94										SCALE: NONE				SHEET 1	OF 1	SHEETS	STA.

<div>Group</div> <div>Chicago, IL 60631</div> <div>ciorba.com</div>	USER NAME = aharn			DESIGNED - AMH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY DISTRICT ONE DETAILS - BD-24				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.						
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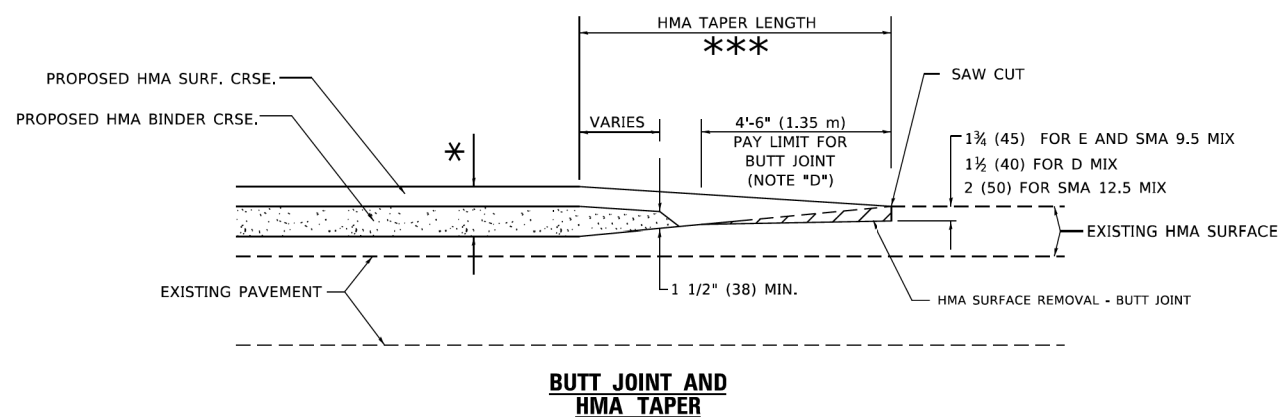


OPTION 1

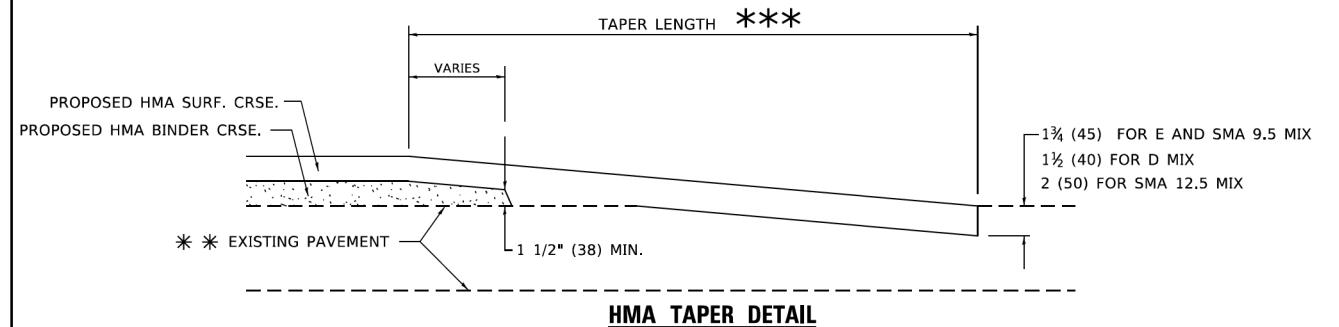
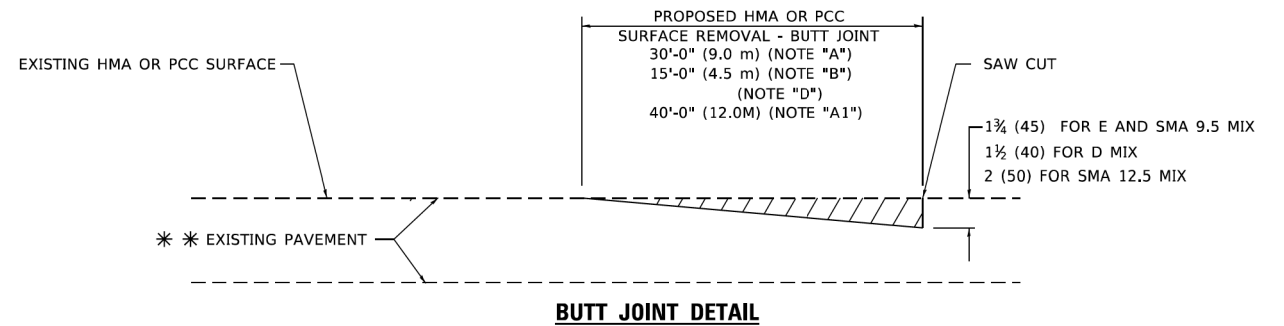


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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

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

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. 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

1. 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".
2. 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 = Lawrence,DeManche	DESIGNED = M. DE YONG	REVISED = A. ABBAS 03-21-97
	DRAWN =	REVISED = M. GOMEZ 04-06-01
PLOT SCALE = 100.0000 ' / in.	CHECKED =	REVISED = R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE = 06-13-90	REVISED = K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD400-05 BD-32		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



USER NAME = aharn	DESIGNED - AMH	REVISED -
	DRAWN - AMH	REVISED -
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PLOT DATE = 11/4/2024	DATE - 4/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY DISTRICT ONE DETAILS - BD-32

SCALE: 1"=20'	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61L62		
ILLINOIS		FED. AID PROJECT		

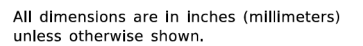
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DESIGNED	-	AMH
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CHECKED	-	EPS
DATE	-	4/7/2025

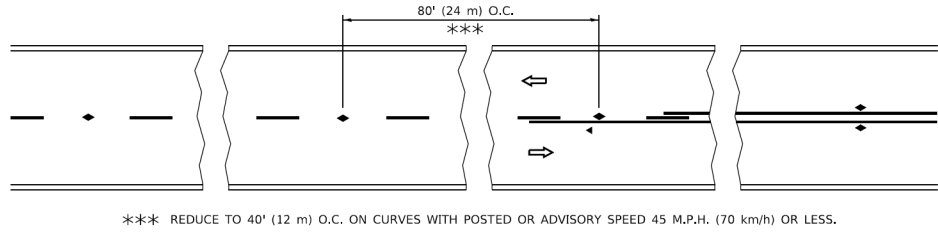
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	CONTRACT NO. 61L62
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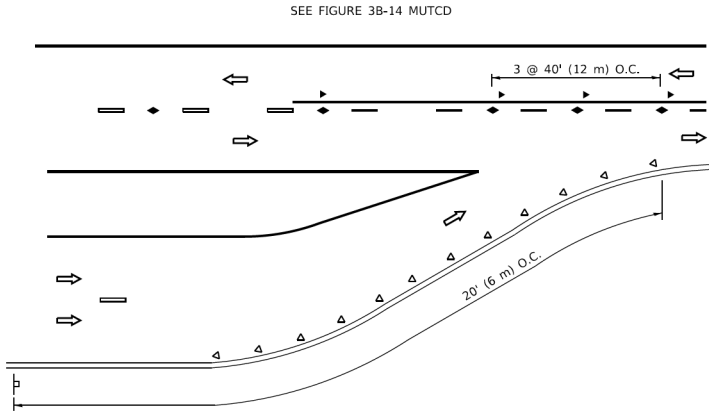


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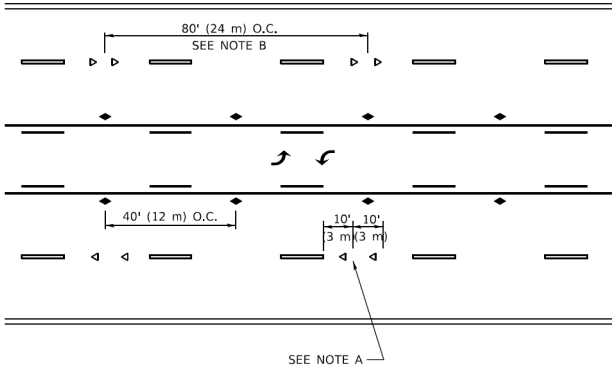
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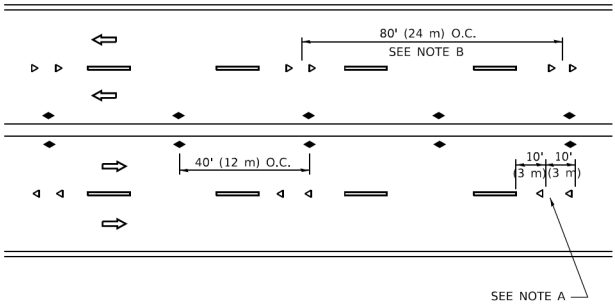
TWO-LANE/TWO-WAY



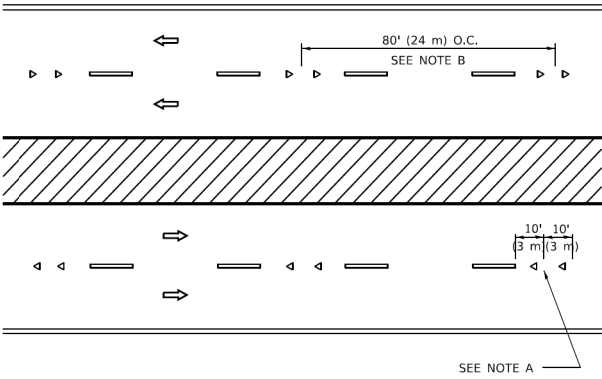
LANE REDUCTION TRANSITION



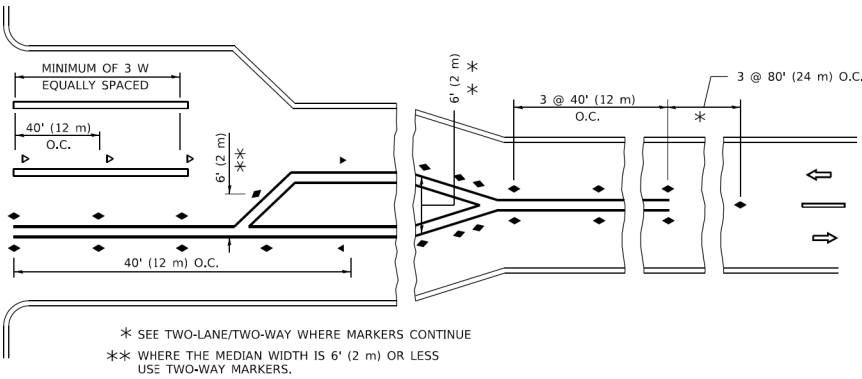
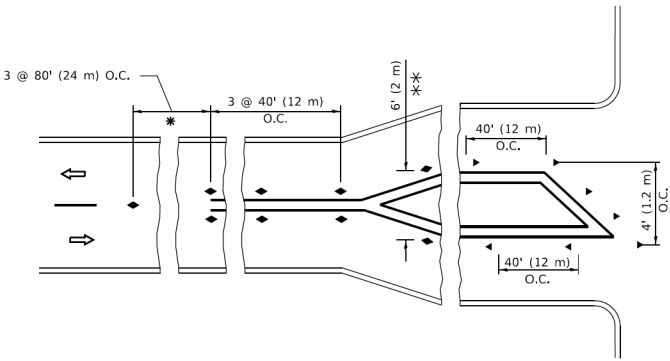
TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED



TURN LANES

GENERAL NOTES

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

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.

SYMBOLS

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

DESIGN NOTES

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

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

USER NAME	= rootem	DESIGNED	-	REVISED	- T. RAMMACHER 03-12-99
DRAWN	-	DRAWN	-	REVISED	- T. RAMMACHER 01-06-00
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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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	33
CONTRACT NO. 61L62				

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME	= aham	DESIGNED	- AMH	REVISED	-
DRAWN	-	DRAWN	- AMH	REVISED	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

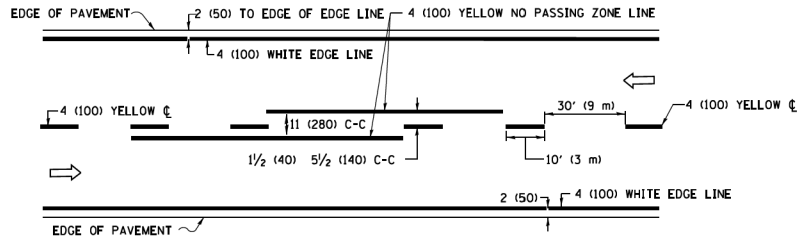
BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
DISTRICT ONE DETAILS - TC-11

SCALE: 1/8" = 20' SHEET OF SHEETS STA. TO STA.

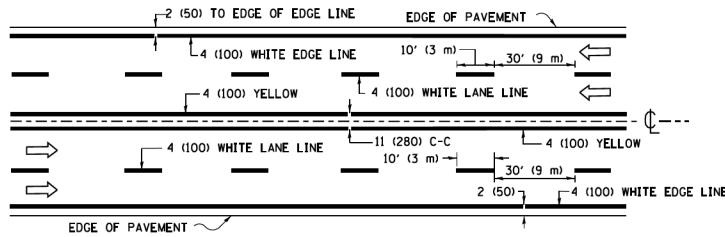
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CONTRACT NO. 61L62				

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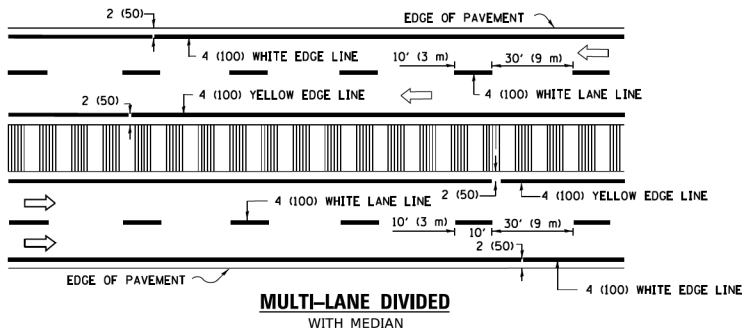
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2-LANE ROADWAY

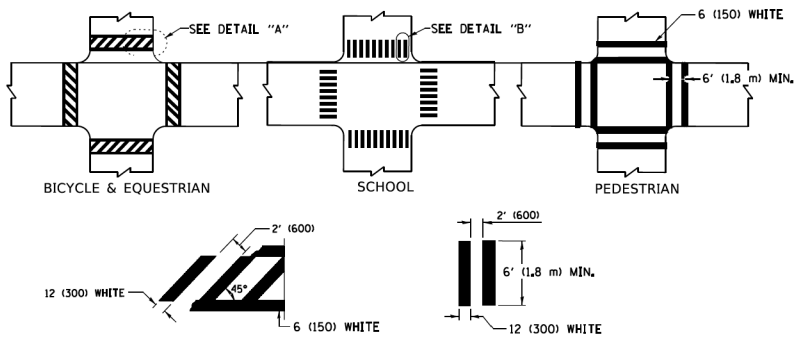


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

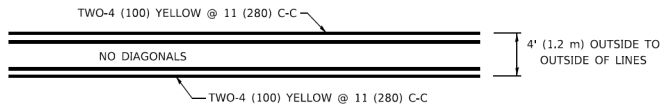


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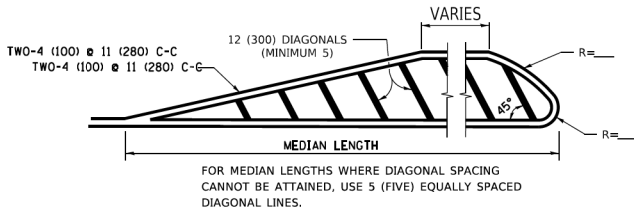
DETAIL "B"

TYPICAL CROSSWALK MARKING

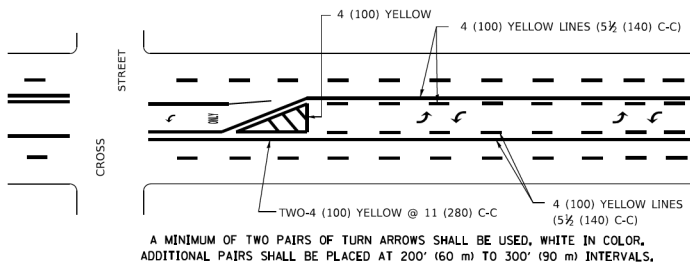
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

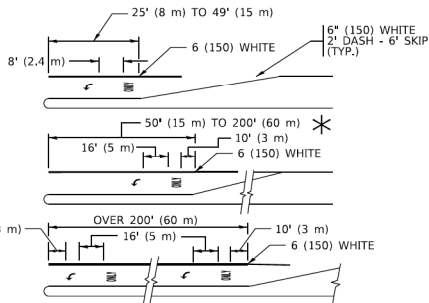


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

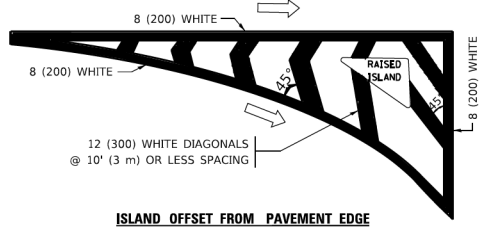
TYPICAL PAINTED MEDIAN MARKING



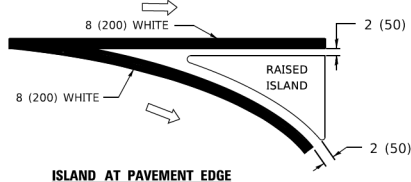
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

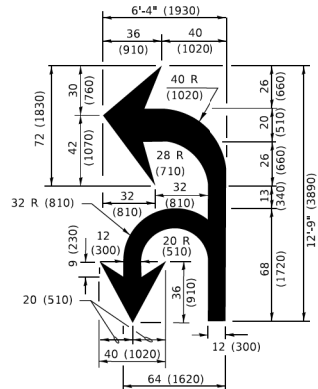


ISLAND OFFSET FROM PAVEMENT EDGE

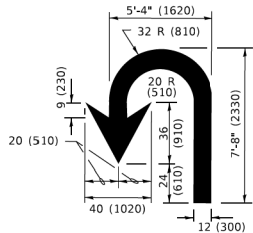


ISLAND AT PAVEMENT EDGE

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.

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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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 = footem	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
DRAWN -	REVISOR - C. JUCIUS 07-01-13	
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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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13			

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USER NAME = aham	DESIGNED - AMH	REVISED -
DRAWN - AMH	REVISOR -	
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PLOT DATE = 11/4/2024	DATE - 4/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

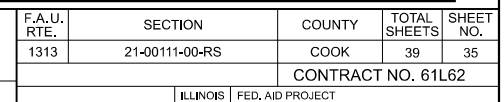
BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
DISTRICT ONE DETAILS - TC-13

SCALE: NTS 20'	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	34


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 Chicago, IL 60631 ciorba.com	USER NAME = aharn	DESIGNED - AMH	REVISED -
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	PLOT DATE = 11/4/2024	DATE - 4/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Diagram of a rectangular sign with rounded corners. The sign features the text "ROAD WORK" at the top, "AHEAD" in the center (enclosed in a dashed rectangular box), and "EXPECT DELAYS" at the bottom. A callout "1" points to the sign's border. To the right of the sign, a vertical dimension line indicates a height of 11 (275). Above the sign, a horizontal dimension line indicates a width of 68 (1700), with 7 (175) segments on either side of the central 54 (1350) section.

ROAD WORK

AHEAD

EXPECT DELAYS

1 (25) BLACK BORDER

68 (1700)

7 (175)

7 (175)

54 (1350)

11 (275)

USE APPROPRIATE
MONTH AND DATE
FOR CONTRACT

BEGINS	XXX	XX
--------	-----	----

NOTES:

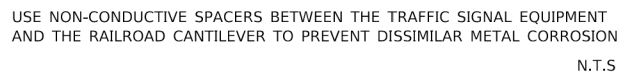
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
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.

<div style="text-align: center;"> ARTERIAL ROAD INFORMATION SIGN </div>					F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
					TC-22		CONTRACT NO.			
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.					

**BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
DISTRICT ONE DETAILS - TC-22**

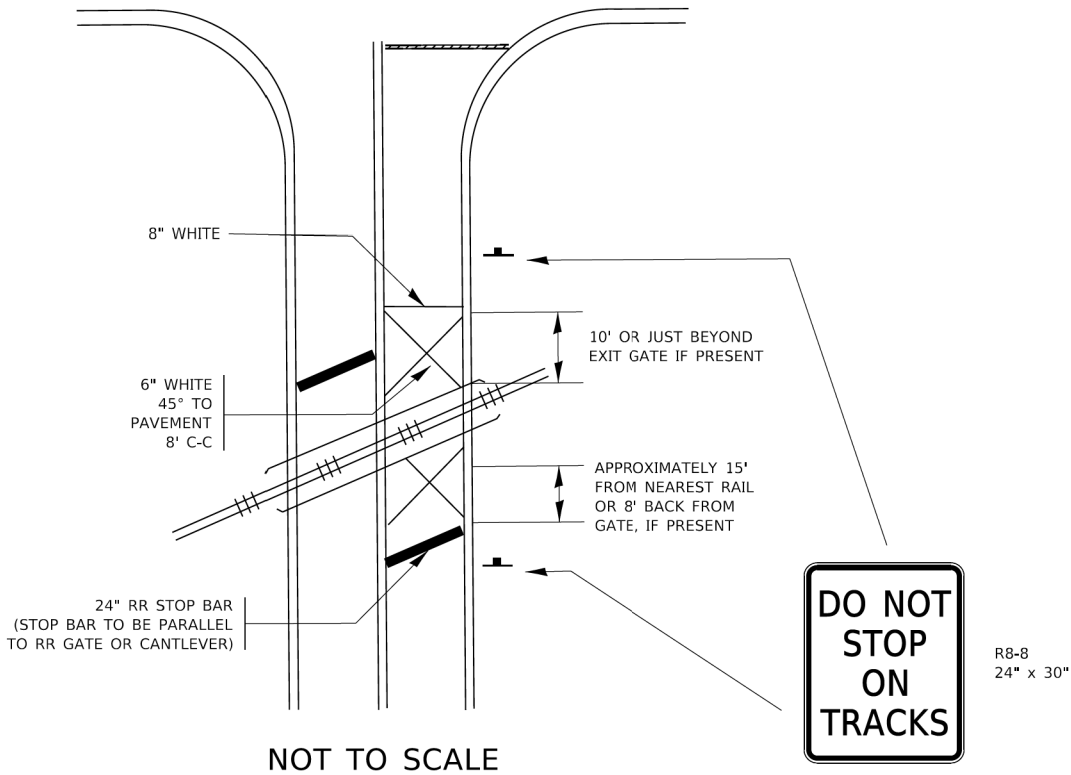
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	36
		CONTRACT NO. 61L62		
ILLINOIS		FED. AID PROJECT		



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TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

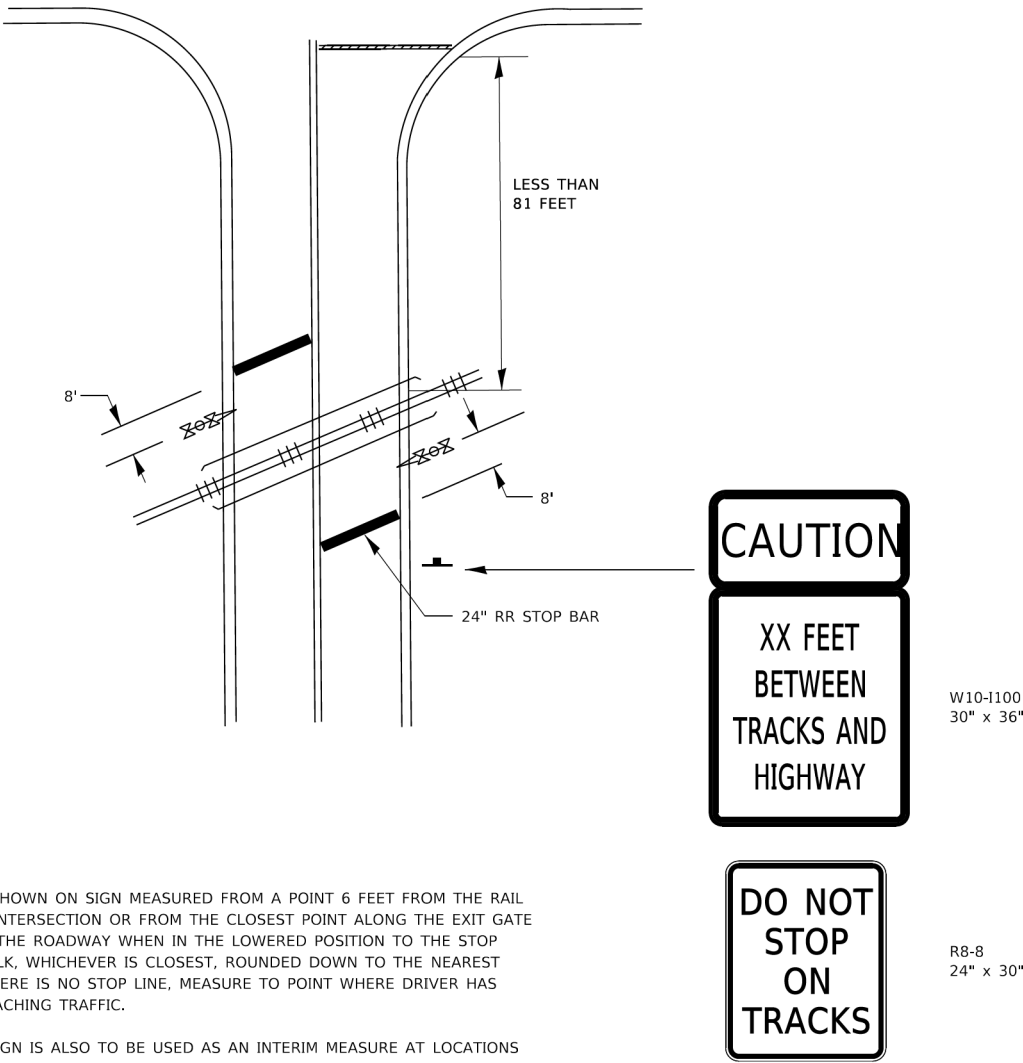
WITH SIGNALIZED INTERSECTION



NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



NOTE:

- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE				SCALE: NONE				TC-23				
SHEET 2 OF 2 SHEETS				SHEET 2 OF 2 SHEETS				ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY DISTRICT ONE DETAILS - TC-23				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NTS				SCALE: NTS				ILLINOIS FED. AID PROJECT				
SHEET OF SHEETS				SHEET OF SHEETS				ILLINOIS FED. AID PROJECT				

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DRAWN - AMH	REVISOR -	
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PLOT DATE = 11/4/2024	DATE - 4/7/2025	REVISED -

USER NAME = rootem	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

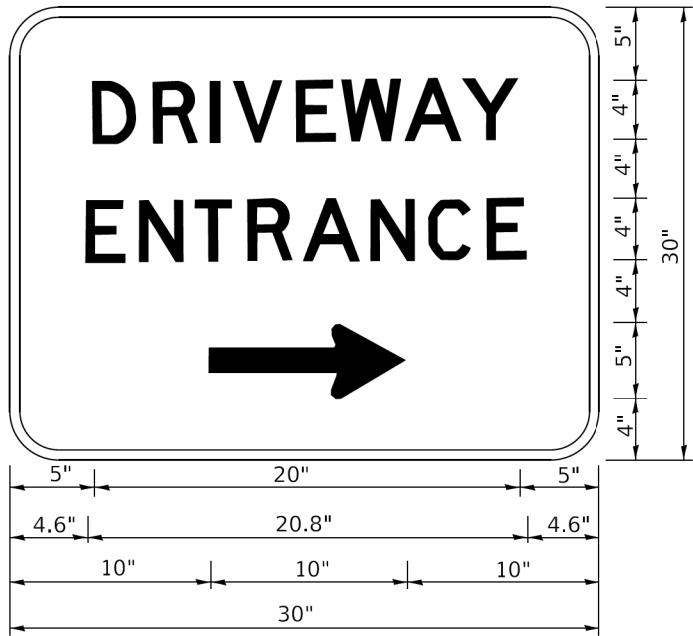
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1313	21-00111-00-RS	COOK	39	39
CONTRACT NO. 61L62				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BECKWITH ROAD LOCAL AGENCY FUNCTIONAL OVERLAY
DISTRICT ONE DETAILS - TC-26

SCALE: NTS SHEET OF SHEETS STA. TO STA.

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".