

005

01-17-2020 LETTING ITEM 005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 350 & FAI 94	ILLINOIS	47	1
		CONTRACT NO. 62H96	

* 47 + 5 = 52 TOTAL SHEETS

D-91-140-19

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

1) FAP ROUTE 350: U.S. 41 (SKOKIE HWY)
I-94 TO NORTH OF OLD ORCHARD RD.

2) FAI ROUTE 94: I-94
I-94 (SB RAMP) TO US 41 (SKOKIE HWY.)

SECTION: 2019-019-RS

PROJECT: NHPP-ST-XG1N(923)

1) STANDARD OVERLAY & PEDESTRIAN RAMPS 2) BRIDGE DECK REPAIR
COOK COUNTY

C-91-344-19

R 13 E

THIS PROJECT IS LOCATED IN
THE VILLAGE OF WILMETTE
AND THE VILLAGE OF SKOKIE

TRAFFIC DATA

2014 ADT: 18,800

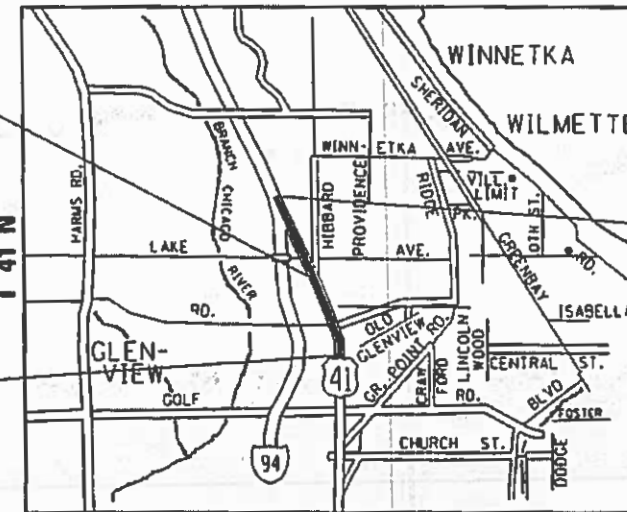
POSTED SPEED: 40 MPH



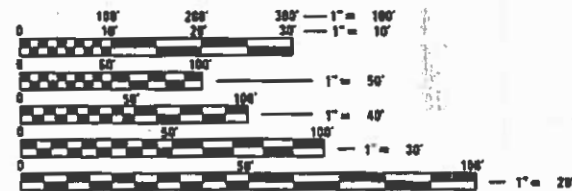
MAINLINE OMISSION:
STA 51+67 to STA 62+15

PROJECT BEGINS
STA 07+94

PROJECT ENDS
STA 95+89



NEW TRIER TOWNSHIP



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

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

PROJECT ENGINEER: J. ALAIN MIDY (847)-221-3056
PROJECT MANAGER: FAWAD AQUEEL (847)-705-4247

GROSS LENGTH = 11088 FT = 2.1 MILE

NET LENGTH = 10040 FT = 1.9 MILE

CONTRACT NO. 62H96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: June 24, 2019

Anthony A. Buckley REGIONAL ENGINEER

Scott A. Elk ENGINEER OF DESIGN AND ENVIRONMENT

Paul C. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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50	PERMANENT PROTECTIVE SHIELD

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS
424021-05	DEPRESSED CORNER
442201-03	CLASS C AND D PATCHES
606001-07	CONC. CURB TYPE B AND COMBINATION CONC. CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701427-05	LANE CLOSURE MULTILANE INTERMITTANT OR MOVING OPER. FOR SPEEDS LESS THAN 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WIDTH BIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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USER NAME = khanms	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & STATE STANDARDS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISIED -	U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.		2019-019-R5	COOK	50	2		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
PLOT DATE = 10/18/2019	DATE -	REVISED -				FAP 350 & FAI 94		CONTRACT NO. 62H96	
					ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF WILMETTE, VILLAGE OF SKOKIE, AND COOK COUNTY
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
6. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
8. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
9. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS 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 MIXTURE IS PLACED.
10. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD TECHNICIAN VIA EMAIL AT JOE.ECKERT@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.
11. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
12. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
13. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
14. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
15. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. DRAINAGE ADJUSTMENT, RECONSTRUCTION, OR CLEANING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
18. FRAMES AND LIDS ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
19. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN.HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
20. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
21. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
22. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE REMOVAL OF PAVEMENT MARKING TAPE, TYPE III SHALL BE PAID FOR AS SHORT TERM PAVEMENT MARKING REMOVAL.
23. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.
24. SIDEWALK RAMPS MODIFICATIONS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE HIGHWAY STANDARDS INCLUDED IN THE PLANS.
25. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER
26. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, IDOT'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
28. THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
29. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF WILMETTE. ALL TREE PROTECTION, TREE REMOVAL, PRUNING, AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
30. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
31. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.
32. LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN.
33. ALL VILLAGE WATER VALVE VAULTS AND BOXES MUST BE RAMPED AND NOT RECEIVE SPECIAL ADJUSTMENTS DURING PAVING OPERATIONS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	3
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS		FED. AID PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	US 41	I-94 SB RAMP	US 41		
				80% FED/ 20% STATE 0005	80% FED/ 20% STATE 0013	100% STATE 0005		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	27	27				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	74	74				
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	2				
20200100	EARTH EXCAVATION	CU YD	44	44				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	500	500				
21101665	TOPSOIL FURNISH AND PLACE, 18"	SO YD	979	979				
25000210	SEEDING, CLASS 2A	ACRE	0.3	0.3				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30	30				
25003210	INTERSEEDING, CLASS 2A	ACRE	0.75	0.75				
25100630	EROSION CONTROL BLANKET	SO YD	979	979				
25200110	SODDING, SALT TOLERANT	SO YD	500	500				
25200200	SUPPLEMENTAL WATERING	UNIT	5	5				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	38337	38337				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	US 41	I-94 SB RAMP	US 41		
				80% FED/ 20% STATE 0005	80% FED/ 20% STATE 0013	100% STATE 0005		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	86	86				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	304	304				
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4, 75, N50	TON	2343	2343				
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	5566	5566				
42001300	PROTECTIVE COAT	SO YD	854	854				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3565	3565				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	56491	56491				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1639	1639				
44000600	SIDEWALK REMOVAL	SO FT	3130	3130				
44003100	MEDIAN REMOVAL	SO FT	8803	8803				
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	9286	9286				
44201811	CLASS D PATCHES, TYPE 1, 14 INCH	SO YD	17	17				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
SUMMARY OF QUANTITIES**

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	4
FAP 350 & FAI 94		CONTRACT NO. 62H96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

* SPECIALITY ITEMS; △ NON-PARTICIPATING ITEMS

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				URBAN TOTAL QUANTITIES	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		US 41 80%FED/ 20%STATE 0005	I-94 SB RAMP 80%FED/ 20%STATE 0013	US 41 100%STATE 0005				CODE NO	ITEM		UNIT	US 41 80%FED/ 20%STATE 0005	I-94 SB RAMP 80%FED/ 20%STATE 0013	US 41 100%STATE 0005
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	330	330				*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	44	44			
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	422	422				*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	517	517				*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
50300300	PROTECTIVE COAT	SO YD	885	885				*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	7	7				*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15			
60255410	CATCH BASINS TO BE CLEANED	EACH	13	13				*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9			
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5					67100100	MOBILIZATION	L SUM	1	1			
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	8	8					70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	4	4					70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5					70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	32	32					70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	20	20					70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	1285	1285												
60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	FOOT	354	354												

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
SUMMARY OF QUANTITIES**

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	5
FAP 350 & FAI 94	CONTRACT NO. 62H96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				URBAN TOTAL QUANTITIES	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		US 41 80% FED/ 20% STATE 0005	I-94 SB RAMP 80% FED/ 20% STATE 0013	US 41 100% STATE 0005				CODE NO	ITEM		UNIT	US 41 80% FED/ 20% STATE 0005	I-94 SB RAMP 80% FED/ 20% STATE 0013	US 41 100% STATE 0005
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8780	8780				*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1189	1189			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	976	976				*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	250	250			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	438	438				*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	594	594			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18282	18282				*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	200		200		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6126	6126				*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	120	120			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1189	1189				*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	225	225			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	250	250				*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	100	100			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	644	644				*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	536	536			
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	438	438				*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	636	636			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	678	678				*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	438	438				*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	3402	3402			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18282	18282				*								
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6126	6126				*								

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
SUMMARY OF QUANTITIES**

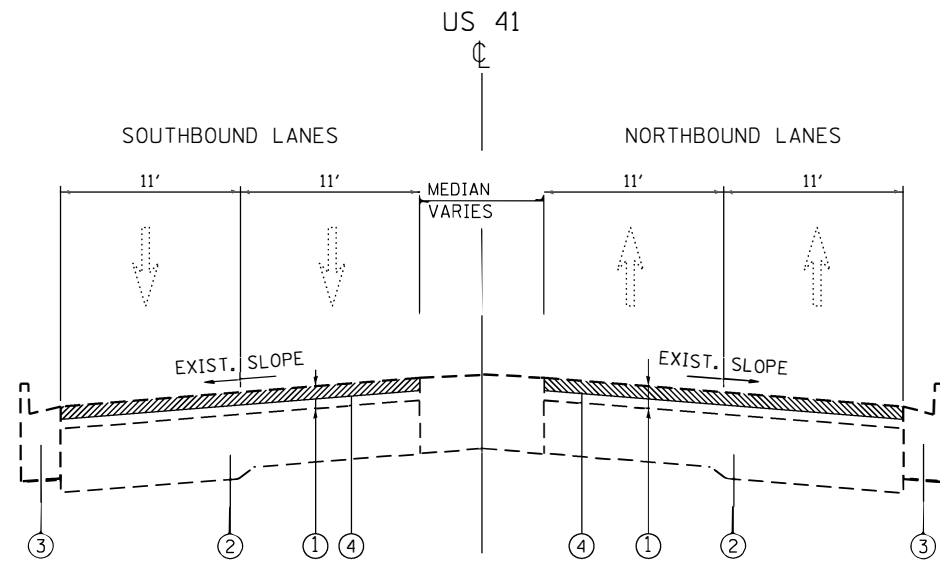
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2019-RS-019	COOK	50	6
FAP 350 & FAI 94	CONTRACT NO. 62H96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

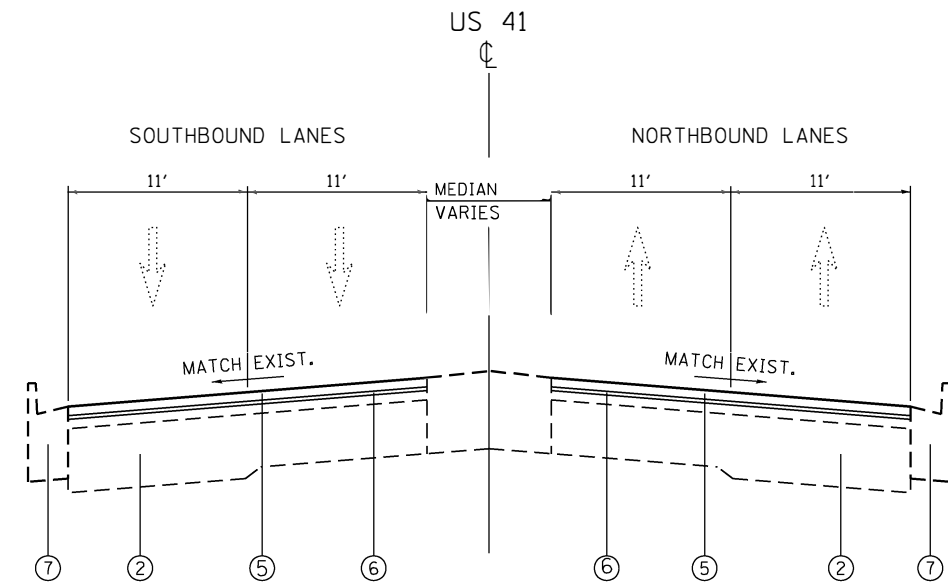
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SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		US 41 80% FED/ 20% STATE 0005	I-94 SB RAMP 80% FED/ 20% STATE 0013	US 41 100% STATE 0005		
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	7	7				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5	5				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
* X4240800	DETECTABLE WARNINGS (SPECIAL)	SO FT	185	185				
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SO FT	234	234				
X5017305	PROTECTIVE SHIELD (PERMANENT)	SO YD	885	885				
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	275		275			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	53	53				
X6061311	CONCRETE MEDIAN SURFACE, 5 INCH	SO FT	234	234				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	11285	11285				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	798	798				

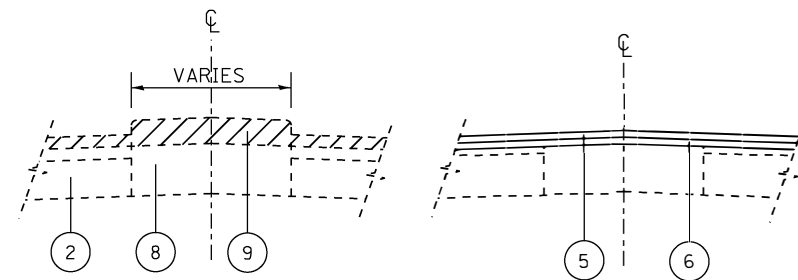
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		US 41 80% FED/ 20% STATE 0005	I-94 SB RAMP 80% FED/ 20% STATE 0013	US 41 100% STATE 0005		
Z0015550	DEBRIS REMOVAL	CU YD	7	7				
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	75	75				
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	99	99				
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH			207			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	77.1	77.1				
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	28920	28920				
Z0064800	SELECTIVE CLEARING	UNIT	14	14				
∅ Z0076600	TRAINEES	HOOR	500	500				
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATES	HOOR	500	500				
	∅ 0042							



EXISTING TYPICAL SECTION
STA 07+94 TO STA 83+10



PROPOSED TYPICAL SECTION
STA 07+94 TO STA 83+10



**CORRUGATED MEDIAN
PARTIAL REMOVAL DETAIL**
STA. 73+20 TO STA 91+25

LEGEND:

- ① EXIST. HOT-MIX ASPHALT SURFACE COURSE (BEFORE MILLING), 7"(±)
- ② PORTLAND CEMENT CONCRETE PAVEMENT 9" (±)
- ③ COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2.5"
- ⑤ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E" N70 1.75"
- ⑥ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 0.75"
- ⑦ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER)
- ⑧ EXIST. CORRUGATED MEDIAN
- ⑨ PROP. CORRUGATED MEDIAN REMOVAL- PARTIAL DEPTH

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS e Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, (IL-9.5 mm)	4% AT 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST THEN PATCH
2. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER WHERE THE SURFACE JOINT WILL BE LOCATED.
4. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112/LBS/SQYD/IN.
5. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
6. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

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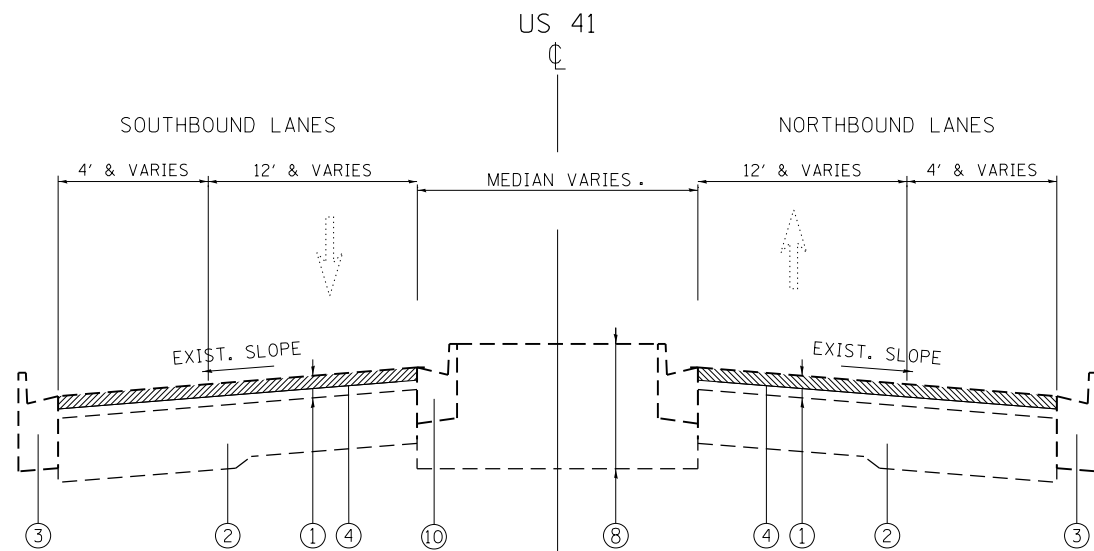
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	8
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



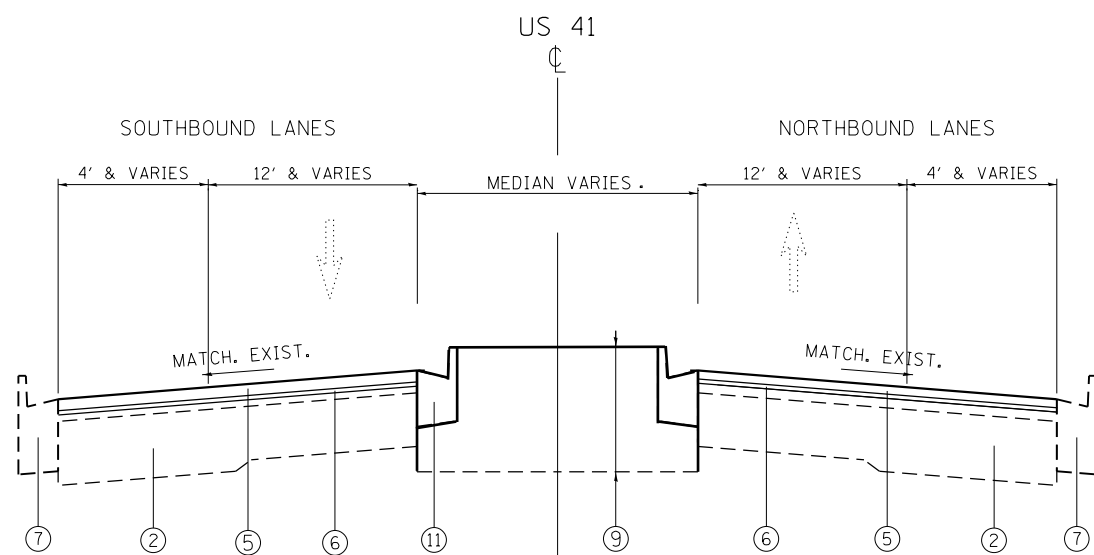
EXISTING TYPICAL SECTION
STA 83+10 TO STA 95+89

LEGEND:

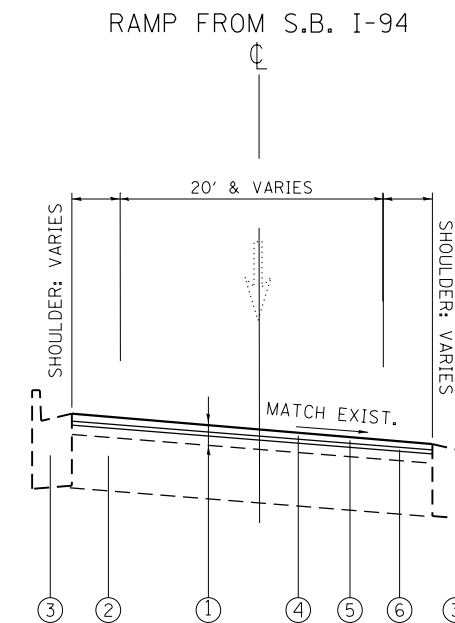
- ① EXIST. HOT-MIX ASPHALT SURFACE COURSE (BEFORE MILLING), 7''(±)
- ② PORTLAND CEMENT CONCRETE PAVEMENT 9'' (±)
- ③ COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2.5''
- ⑤ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E" N70 1.75''
- ⑥ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 0.75''
- ⑦ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER)
- ⑧ STA 84+08 TO STA 86+75: EXIST. 5'' PCC, (±) 11'' SAND, AND (±) 7.5'' PCC
STA 84+12 TO STA 91+05: EXIST. 5'' PCC AND (±) 11'' SAND
- ⑨ PROP. CONC. MEDIAN REMOVAL, REPLACE WITH: TOPSOIL 18'', SEEDING CLASS 2A, POTASSIUM FERTILIZER, AND EROSION CONTROL BLANKET
- ⑩ COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12
- ⑪ COMBINATION CONCRETE CURB & GUTTER TYPE B-9.12

NOTES:

- 1. THE CONTRACTOR SHALL MILL FIRST THEN PATCH
 - 2. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
 - 3. SOME LENGTHS OF RAMPS DO NOT HAVE CURB AND GUTTER.
 - 4. SB U.S. 41 FROM STA 93+00 TO STA 87+00 DO NOT HAVE CURB AND GUTTER.
- NOT DRAWN TO SCALE



PROPOSED TYPICAL SECTION
STA 83+10 TO STA 95+89



EXIST. & PROP. TYPICAL SECTION FOR RAMP FROM S.B. I-94
STA 29+70 TO STA 10+00

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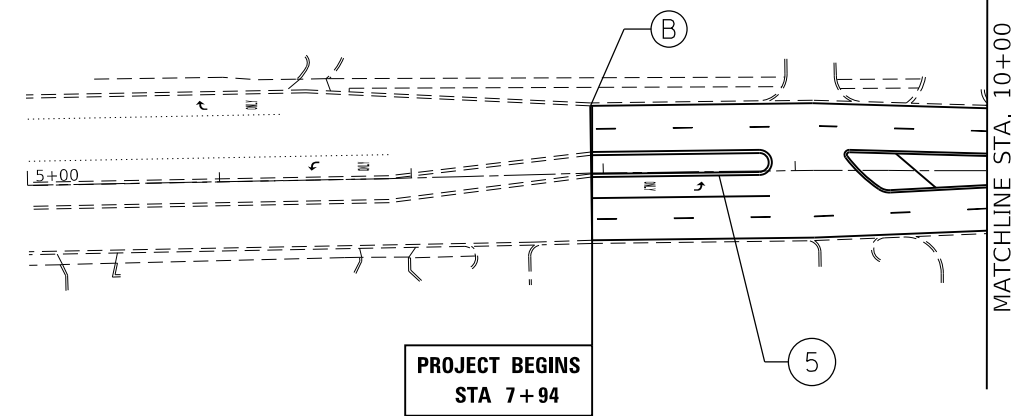
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	9
FAP 350 & FAI 94	CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT	



U.S. ROUTE 41
(SKOKIE RD.)



ROADWAY PROPOSED WORK LEGEND

- (A) PROP. HMA SURFACE REMOVAL 2 1/2"
PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (B) PROP. HMA SURFACE REMOVAL - BUTT JOINT
LIMIT OF RESURFACING
- (C) PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT
(SEE DETAIL SHEET)

PAVEMENT MARKING LEGEND

- (1) PROP. 8' WHITE THERMO. PVT. MRK. LETTERS AND SYMBOLS (TYP.)
- (2) PROP. THERMO. PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)
- (3) PROP. THERMO. PVT. MRK.-4" DOUBLE YELLOW (TYP.)
- (4) PROP. THERMO. PVT. MRK.-4" 10' DASH - 30' SKIP, WHITE (TYP.)
- (5) PROP. THERMO. PVT. MRK.-4" SOLID YELLOW (TYP.)
- (6) PROP. THERMO. PVT. MRK.-6" SOLID LINE, WHITE (TYP.)
- (7) PROP. THERMO. PVT. MRK.-6" 2 @ 6" SOLID WHITE (TYP.)
- (8) PROP. THERMO. PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6" SKIP) (TYP.)
- (9) PROP. THERMO. PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
- (10) PROP. THERMO. PVT. MRK.-12" GORE MRK., CHEVRON WHITE (TYP.)
- (11) PROP. THERMO. PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
- (12) PROP. THERMO. PVT. MRK.-24" STOP LINE, WHITE (TYP.)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

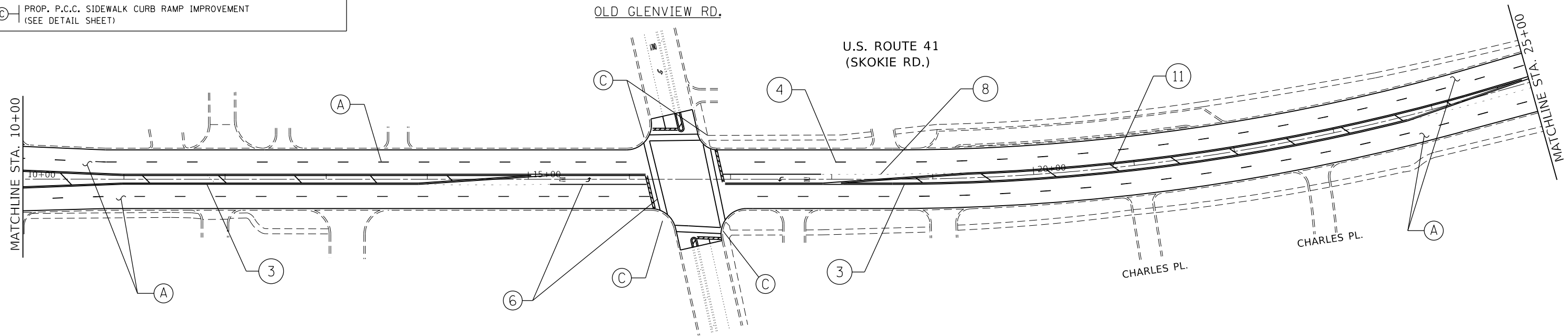
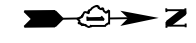
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ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	10
FAP 350 & FAI 94	CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT	

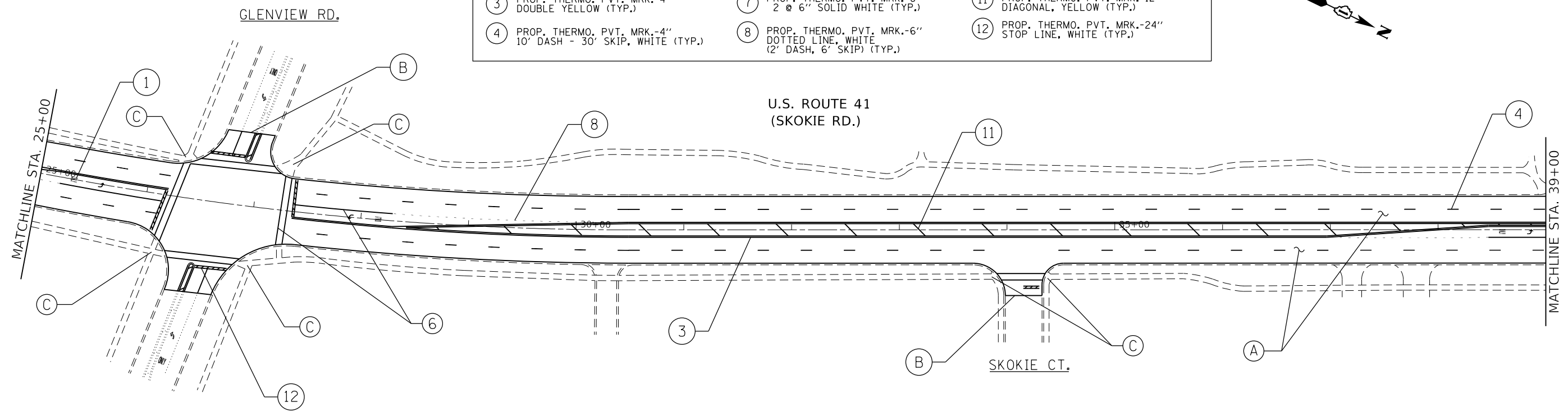
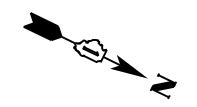
ROADWAY PROPOSED WORK LEGEND

- (A) PROP. HMA SURFACE REMOVAL 2 1/2"
PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (B) PROP. HMA SURFACE REMOVAL - BUTT JOINT
LIMIT OF RESURFACING
- (C) PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT
(SEE DETAIL SHEET)



PAVEMENT MARKING LEGEND

- (1) PROP. 8' WHITE THERMO. PVT. MRK. LETTERS AND SYMBOLS (TYP.)
- (2) PROP. THERMO. PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)
- (3) PROP. THERMO. PVT. MRK.-4" DOUBLE YELLOW (TYP.)
- (4) PROP. THERMO. PVT. MRK.-4" 10' DASH - 30' SKIP, WHITE (TYP.)
- (5) PROP. THERMO. PVT. MRK.-4" SOLID YELLOW (TYP.)
- (6) PROP. THERMO. PVT. MRK.-6" SOLID LINE, WHITE (TYP.)
- (7) PROP. THERMO. PVT. MRK.-6" 2 @ 6" SOLID WHITE (TYP.)
- (8) PROP. THERMO. PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)
- (9) PROP. THERMO. PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
- (10) PROP. THERMO. PVT. MRK.-12" GORE MRK., CHEVRON WHITE (TYP.)
- (11) PROP. THERMO. PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
- (12) PROP. THERMO. PVT. MRK.-24" STOP LINE, WHITE (TYP.)



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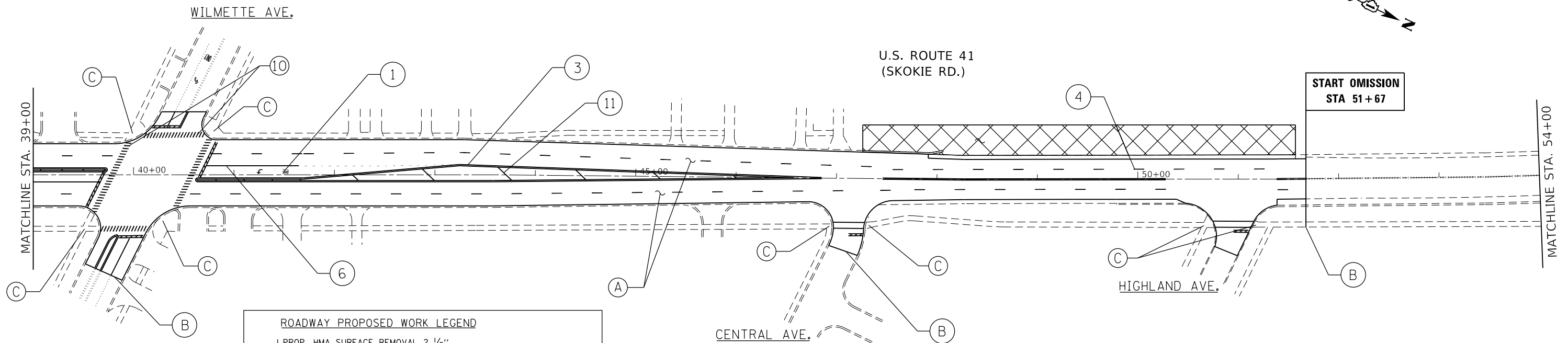
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

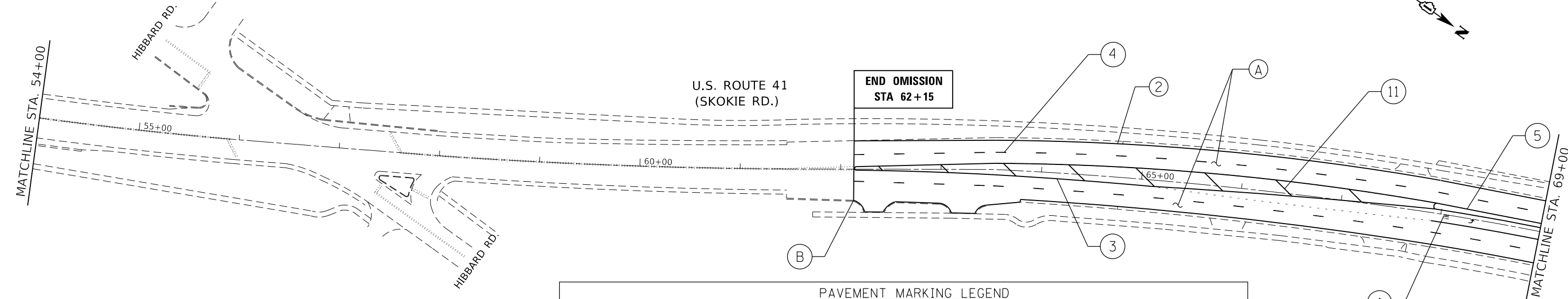
**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	11
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



ROADWAY PROPOSED WORK LEGEND	
(A)	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 1 3/4" PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
(B)	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
(C)	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)



PAVEMENT MARKING LEGEND			
(1)	PROP. 8" WHITE THERMO. PVT. MRK. LETTERS AND SYMBOLS (TYP.)	(9)	PROP. THERMO. PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
(2)	PROP. THERMO. PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	(10)	PROP. THERMO. PVT. MRK.-12" GORE MRK., CHEVRON WHITE (TYP.)
(3)	PROP. THERMO. PVT. MRK.-4" DOUBLE YELLOW (TYP.)	(11)	PROP. THERMO. PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
(4)	PROP. THERMO. PVT. MRK.-4" 10' DASH - 30' SKIP, WHITE (TYP.)	(12)	PROP. THERMO. PVT. MRK.-24" STOP LINE, WHITE (TYP.)
(5)	PROP. THERMO. PVT. MRK.-4" SOLID YELLOW (TYP.)		
(6)	PROP. THERMO. PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
(7)	PROP. THERMO. PVT. MRK.-6" 2 @ 6" SOLID WHITE (TYP.)		
(8)	PROP. THERMO. PVT. MRK.-6" DOTTED LINE, WHITE (2" DASH, 6" SKIP) (TYP.)		



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
ROADWAY AND PAVEMENT MARKING PLAN**

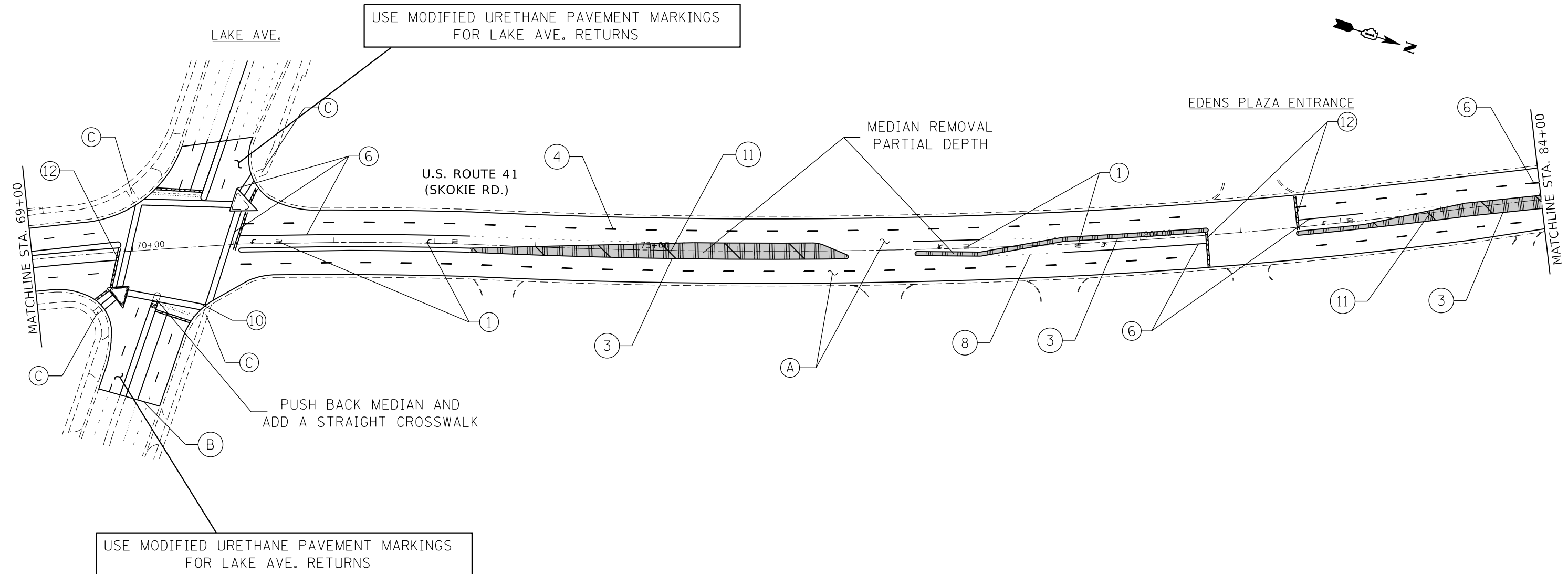
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	12
FAP 350 & FAI 94	CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT			

ROADWAY PROPOSED WORK LEGEND	
(A)	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 1 3/4" PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
(B)	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
(C)	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)

PAVEMENT MARKING LEGEND			
(1)	PROP. 8' WHITE THERMO. PVT. MRK. LETTERS AND SYMBOLS (TYP.)	(9)	PROP. THERMO. PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
(2)	PROP. THERMO. PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	(10)	PROP. THERMO. PVT. MRK.-12" GORE MRK., CHEVRON WHITE (TYP.)
(3)	PROP. THERMO. PVT. MRK.-4" DOUBLE YELLOW (TYP.)	(11)	PROP. THERMO. PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
(4)	PROP. THERMO. PVT. MRK.-4" 10' DASH - 30' SKIP, WHITE (TYP.)	(12)	PROP. THERMO. PVT. MRK.-24" STOP LINE, WHITE (TYP.)
(5)	PROP. THERMO. PVT. MRK.-4" SOLID YELLOW (TYP.)		
(6)	PROP. THERMO. PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
(7)	PROP. THERMO. PVT. MRK.-6" 2 @ 6" SOLID WHITE (TYP.)		
(8)	PROP. THERMO. PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

 CORRUGATED MEDIAN REMOVAL PARTIAL DEPTH



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
ROADWAY AND PAVEMENT MARKING PLAN

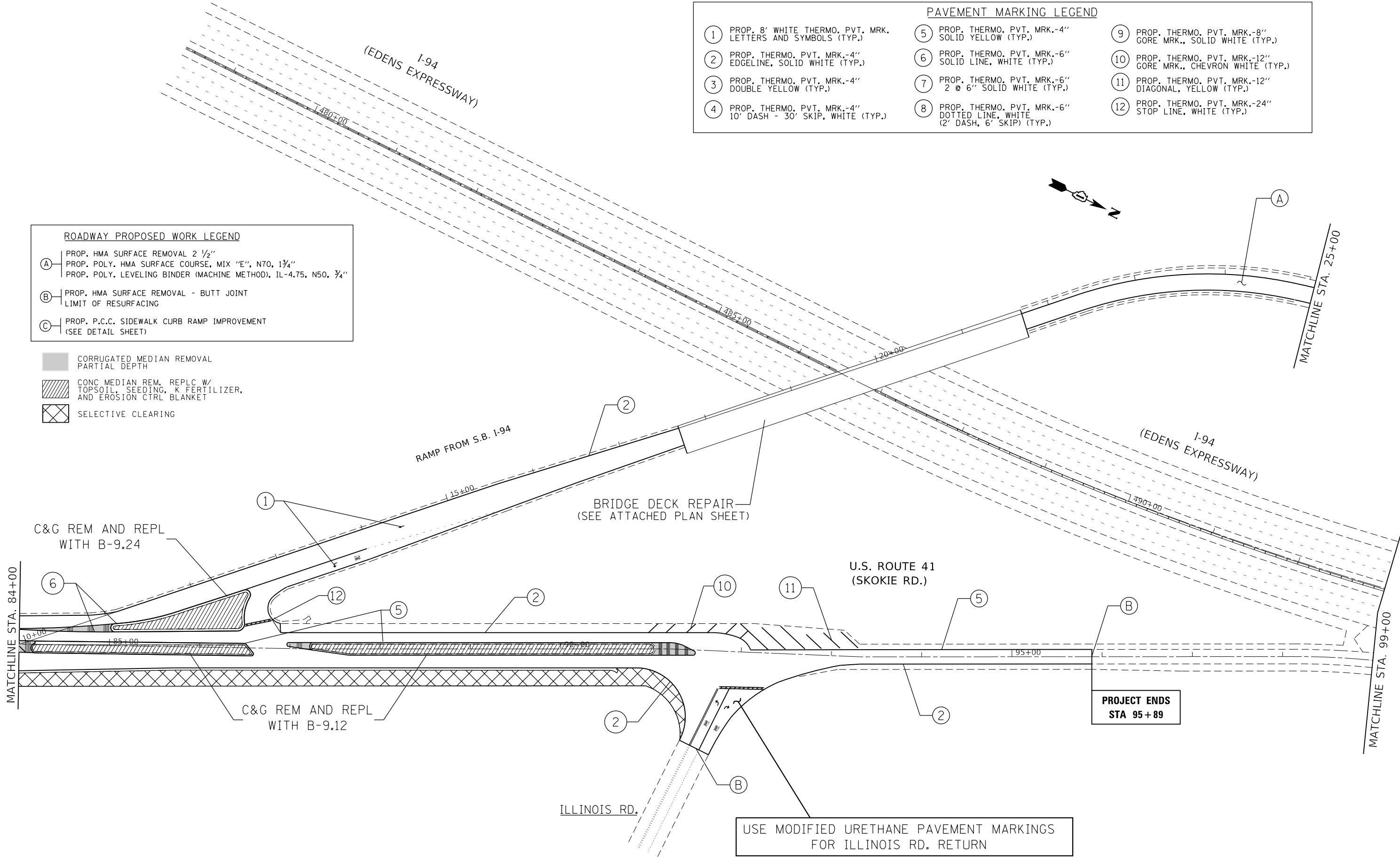
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	13
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			

PAVEMENT MARKING LEGEND			
①	PROP. 8' WHITE THERMO. PVT. MRK. LETTERS AND SYMBOLS (TYP.)	⑨	PROP. THERMO. PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
②	PROP. THERMO. PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	⑩	PROP. THERMO. PVT. MRK.-12" GORE MRK., CHEVRON WHITE (TYP.)
③	PROP. THERMO. PVT. MRK.-4" DOUBLE YELLOW (TYP.)	⑪	PROP. THERMO. PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
④	PROP. THERMO. PVT. MRK.-4" 10' DASH - 30' SKIP, WHITE (TYP.)	⑫	PROP. THERMO. PVT. MRK.-24" STOP LINE, WHITE (TYP.)
⑤	PROP. THERMO. PVT. MRK.-4" SOLID YELLOW (TYP.)		
⑥	PROP. THERMO. PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
⑦	PROP. THERMO. PVT. MRK.-6" 2 @ 6" SOLID WHITE (TYP.)		
⑧	PROP. THERMO. PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

ROADWAY PROPOSED WORK LEGEND	
(A)	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 1 3/4" PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
(B)	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
(C)	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)

-  CORRUGATED MEDIAN REMOVAL PARTIAL DEPTH
-  CONC MEDIAN REM. REPLC W/ TOPSOIL, SEEDING, K FERTILIZER, AND EROSION CTRL BLANKET
-  SELECTIVE CLEARING



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

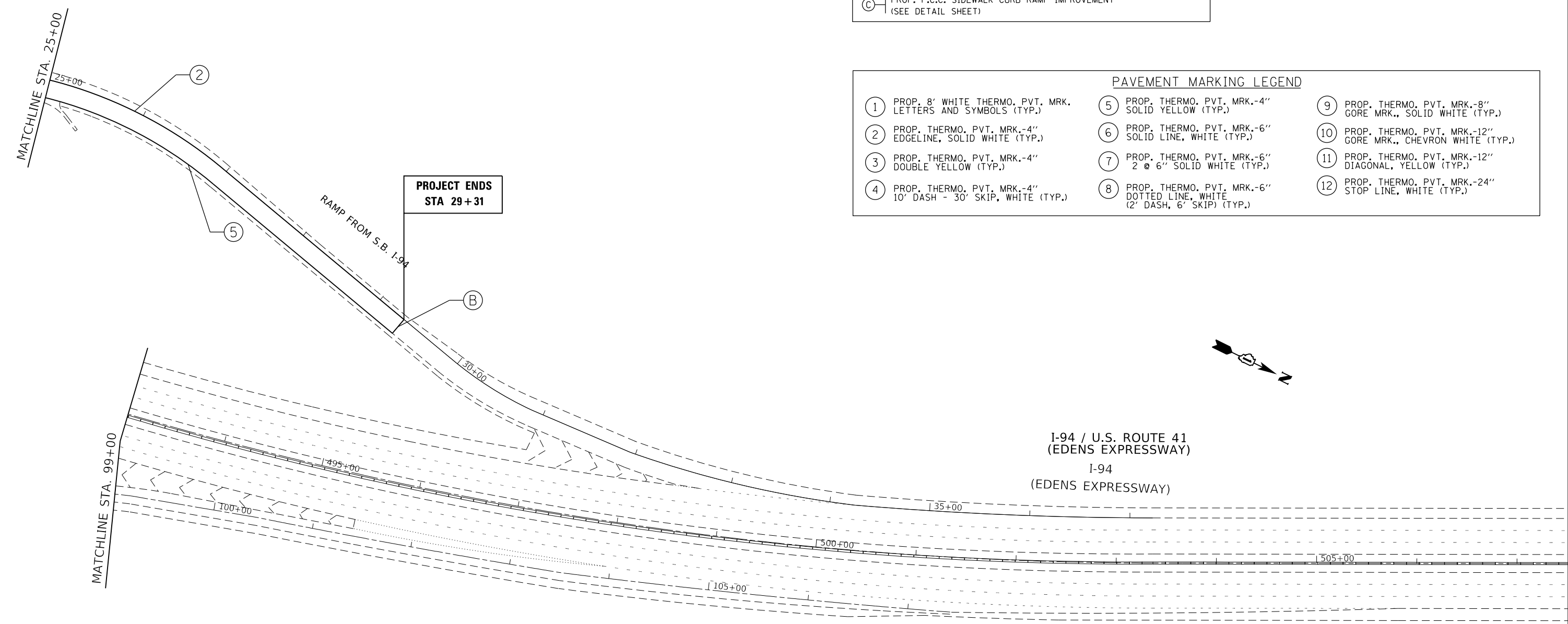
**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	14
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			

ROADWAY PROPOSED WORK LEGEND	
(A)	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 1 3/4" PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
(B)	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
(C)	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)

PAVEMENT MARKING LEGEND			
(1)	PROP. 8' WHITE THERMO. PVT. MRK. LETTERS AND SYMBOLS (TYP.)	(9)	PROP. THERMO. PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
(2)	PROP. THERMO. PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	(10)	PROP. THERMO. PVT. MRK.-12" GORE MRK., CHEVRON WHITE (TYP.)
(3)	PROP. THERMO. PVT. MRK.-4" DOUBLE YELLOW (TYP.)	(11)	PROP. THERMO. PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
(4)	PROP. THERMO. PVT. MRK.-4" 10' DASH - 30' SKIP, WHITE (TYP.)	(12)	PROP. THERMO. PVT. MRK.-24" STOP LINE, WHITE (TYP.)
(5)	PROP. THERMO. PVT. MRK.-4" SOLID YELLOW (TYP.)		
(6)	PROP. THERMO. PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
(7)	PROP. THERMO. PVT. MRK.-6" 2 @ 6" SOLID WHITE (TYP.)		
(8)	PROP. THERMO. PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		



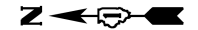
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

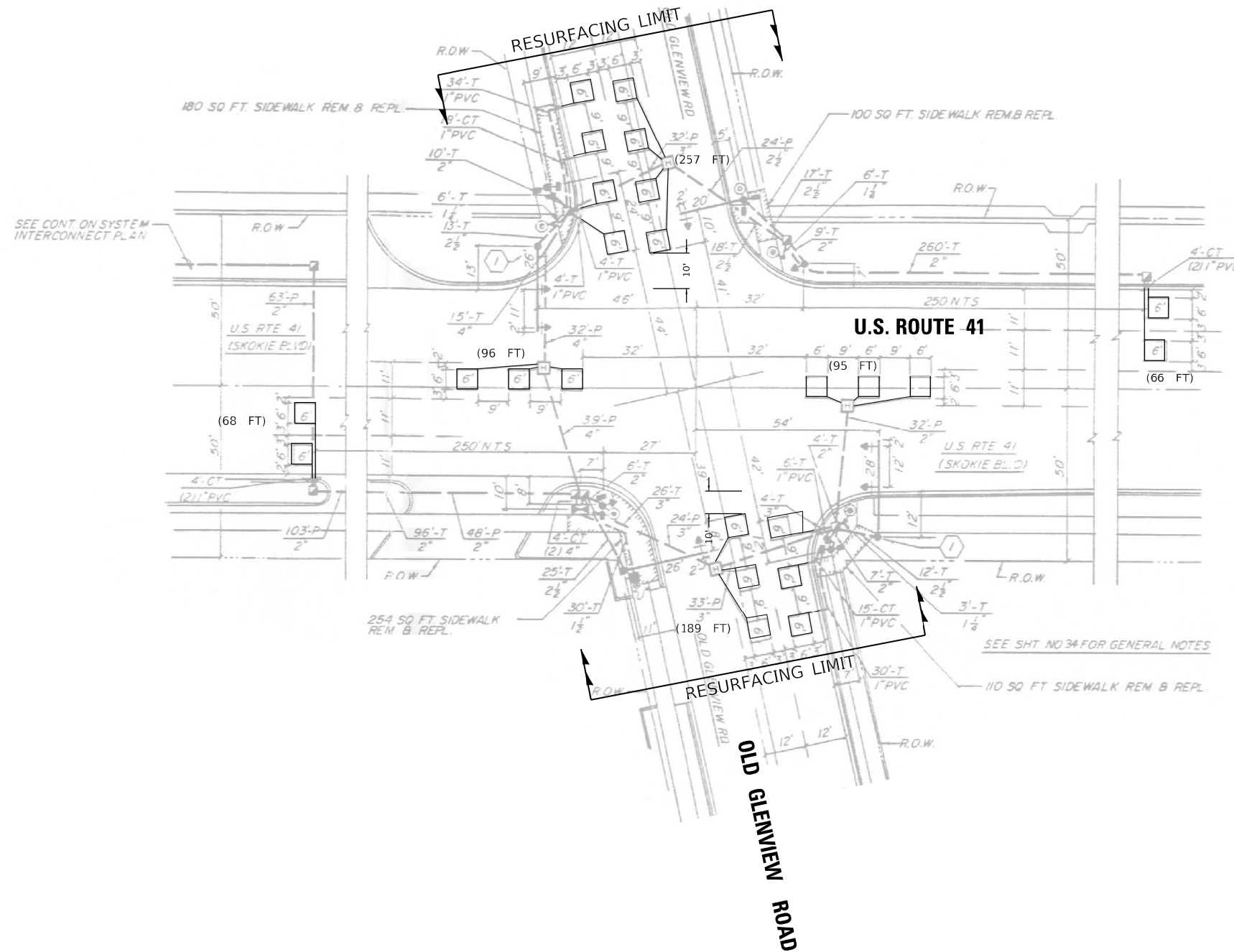
U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
ROADWAY AND PAVEMENT MARKING PLAN
 SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	15
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



NOTES:

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	771	FOOT

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PLOT DATE = 3/7/2019	DATE - 03/05/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
U.S. ROUTE 41 AT OLD GLENVIEW RD**

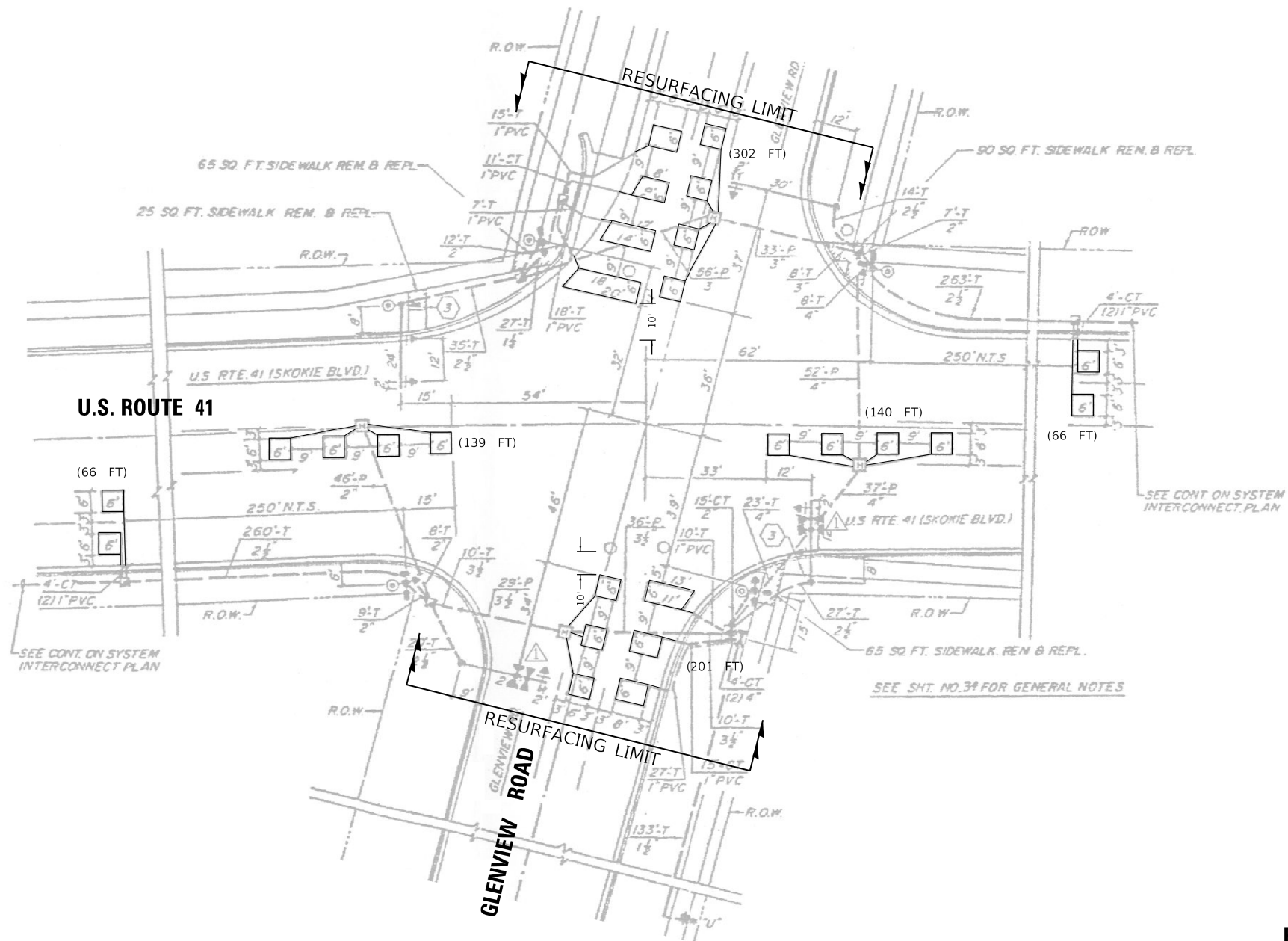
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SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	16
FAP 350 & FAI 94		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



NOTES:

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



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

	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	914	FOOT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

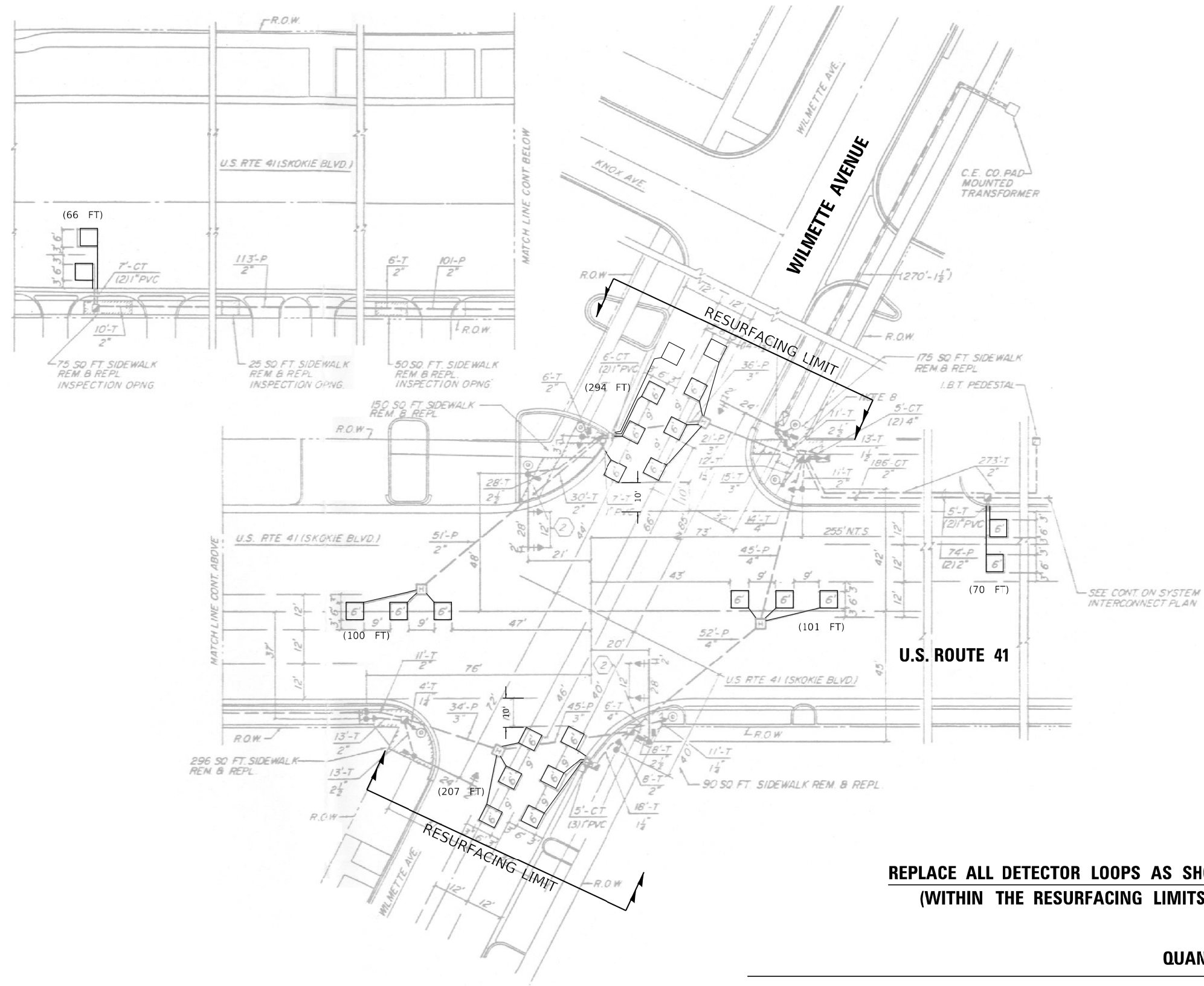
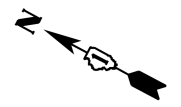
**DETECTOR LOOP REPLACEMENT PLAN
U.S. ROUTE 41 AT GLENVIEW RD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	17
FAP 350 & FAI 94		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

NOTES:

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



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

	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	838	FOOT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

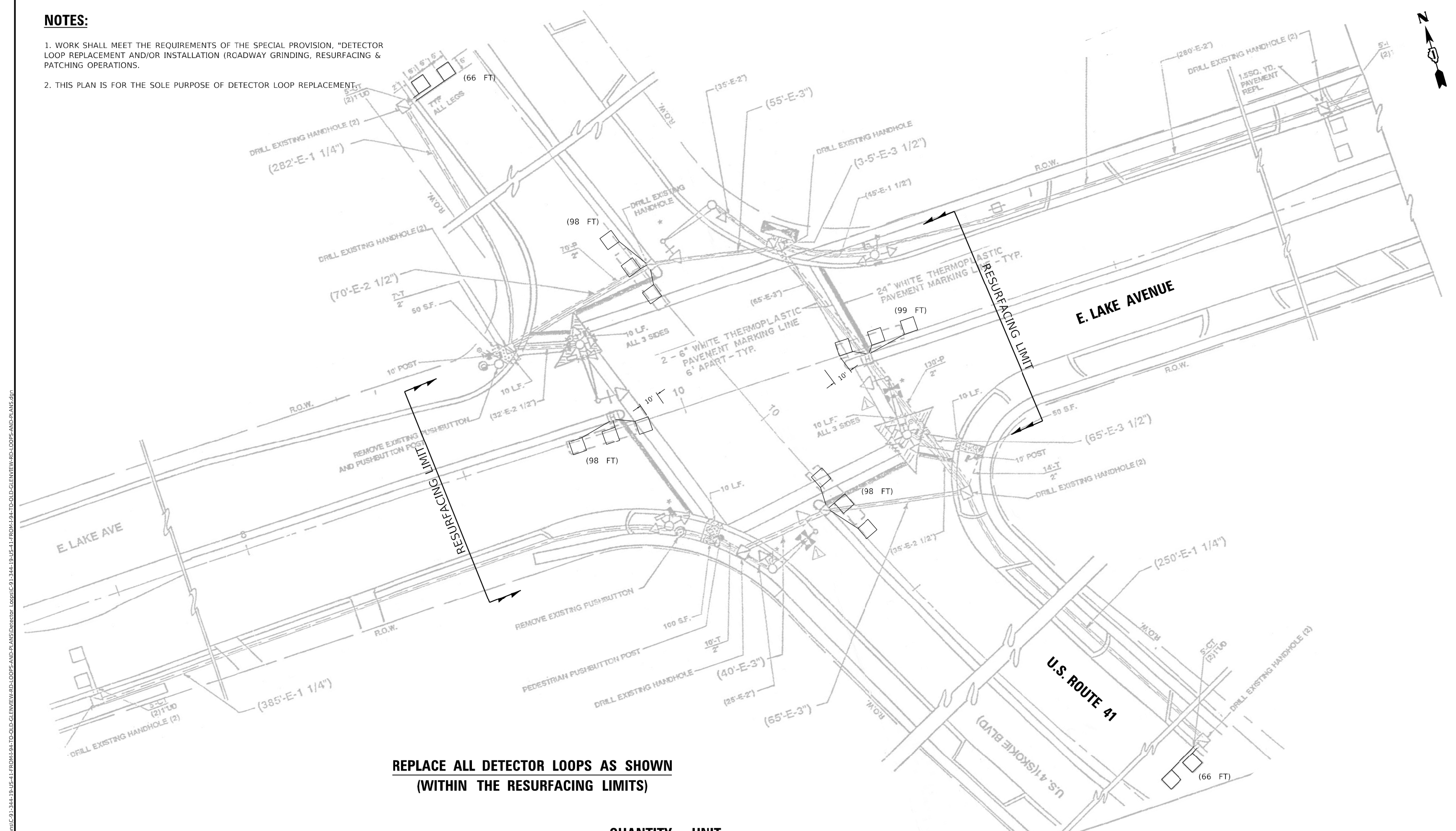
**DETECTOR LOOP REPLACEMENT PLAN
U.S. ROUTE 41 AT WILMETTE AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	18
FAP 350 & FAT 94		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

NOTES:

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



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

	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	525	FOOT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

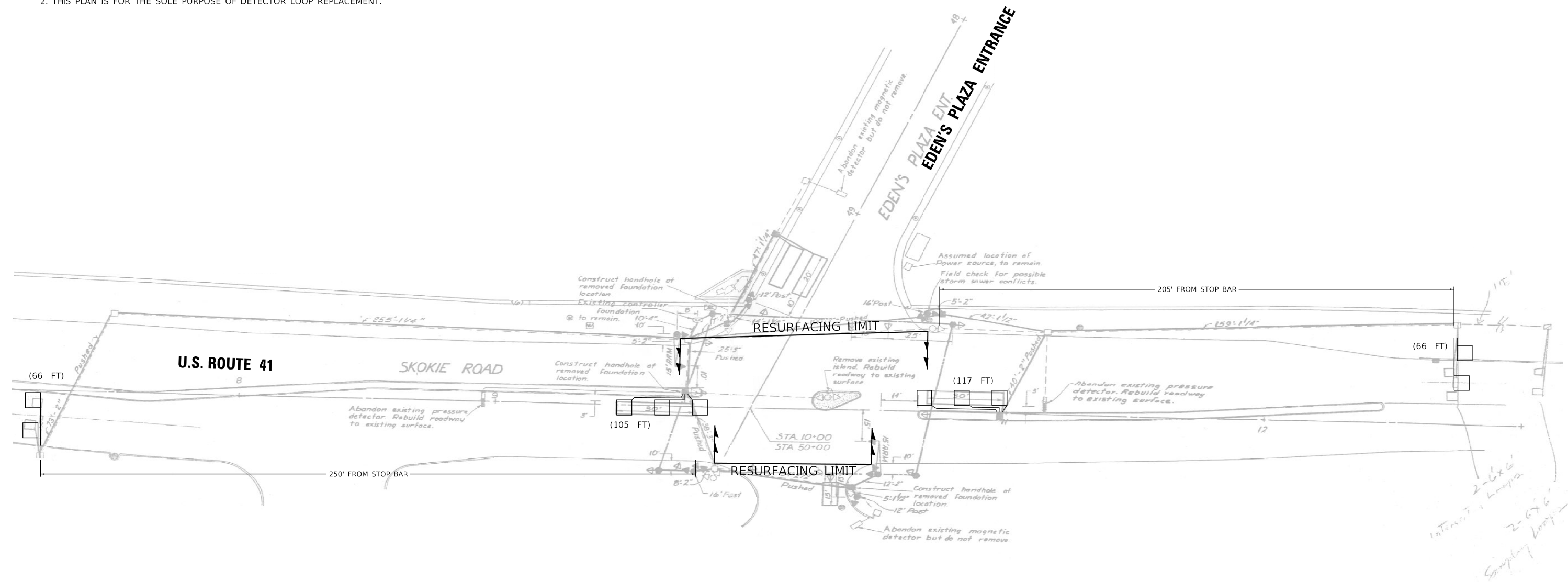
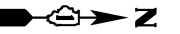
**DETECTOR LOOP REPLACEMENT PLAN
U.S. ROUTE 41 AT E. LAKE AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	19
FAP 350 & FAI 94		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

NOTES:

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



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

	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	354	FOOT

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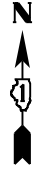
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PLOT DATE = 3/7/2019	DATE - 03/05/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
U.S. ROUTE 41 AT EDEN'S PLAZA ENTRANCE**

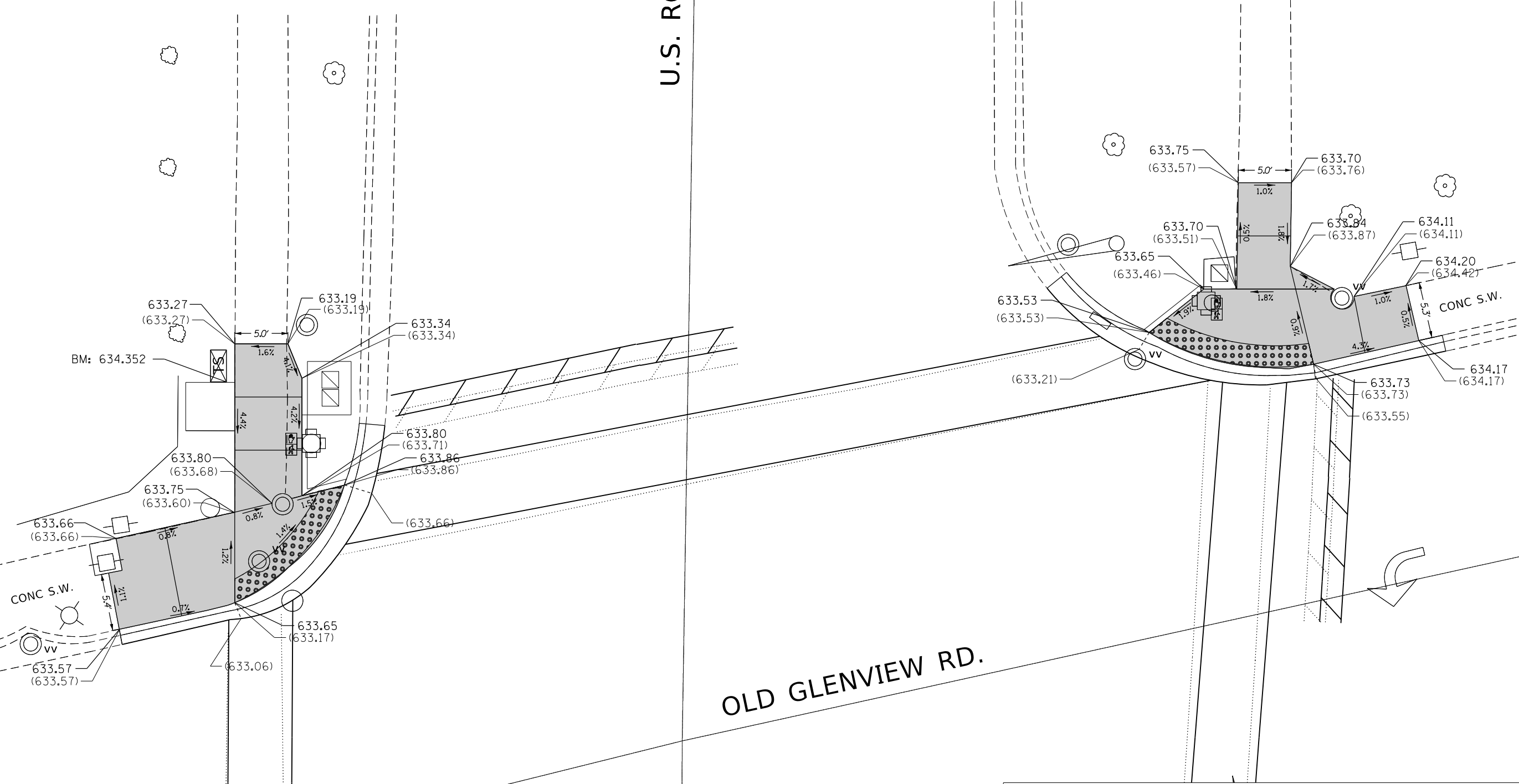
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	20
FAP 350 & FAI 94		CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT		



U.S. ROUTE 41

OLD GLENVIEW RD.



LEGEND

- EXISTING CC&G
- EXISTING ELEVATION/SLOPE
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NE AND NW OLD GLENVIEW RD.
ADA SIDEWALK PLANS**

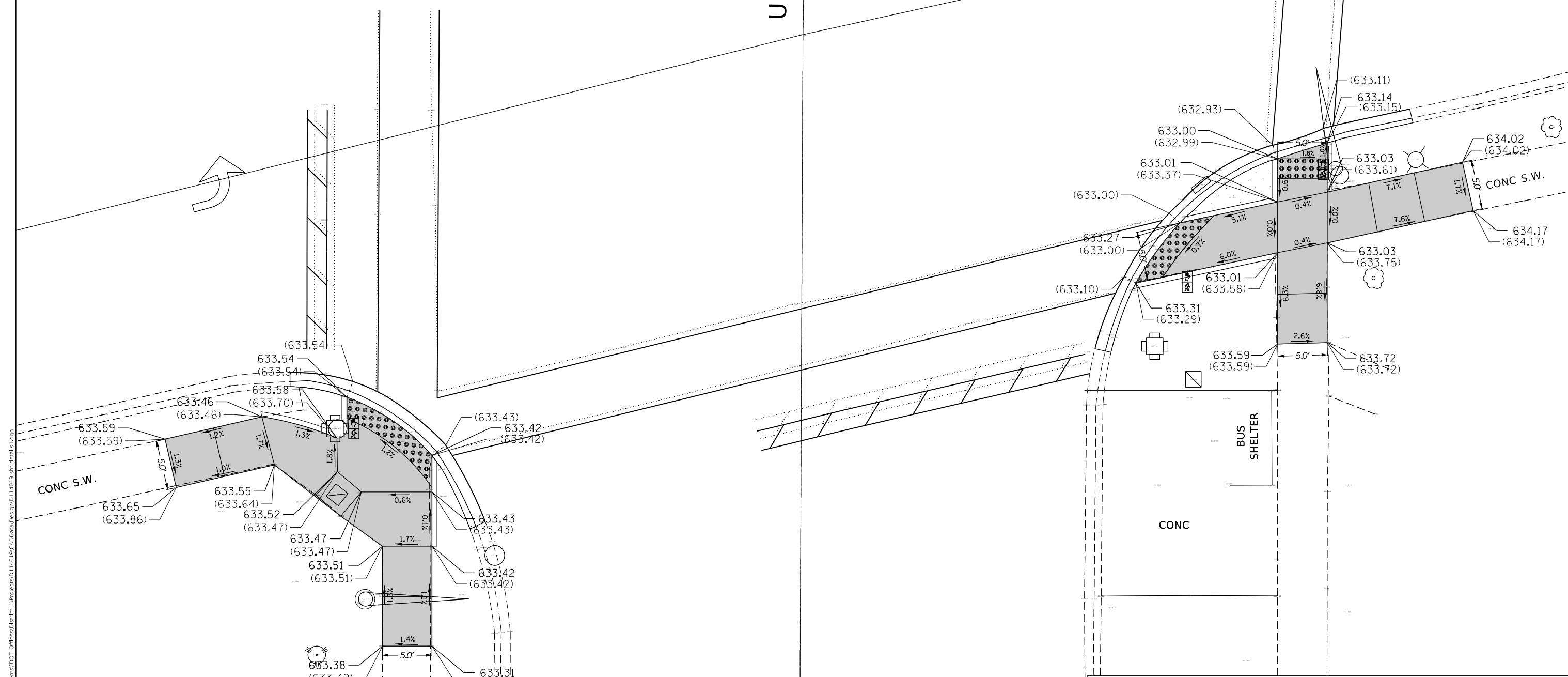
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	21
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



U.S. ROUTE 41

OLD GLENVIEW RD.



LEGEND	
	EXISTING CC&G
	EXISTING ELEVATION/SLOPE
	PROPOSED CURB/SIDE CURB
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

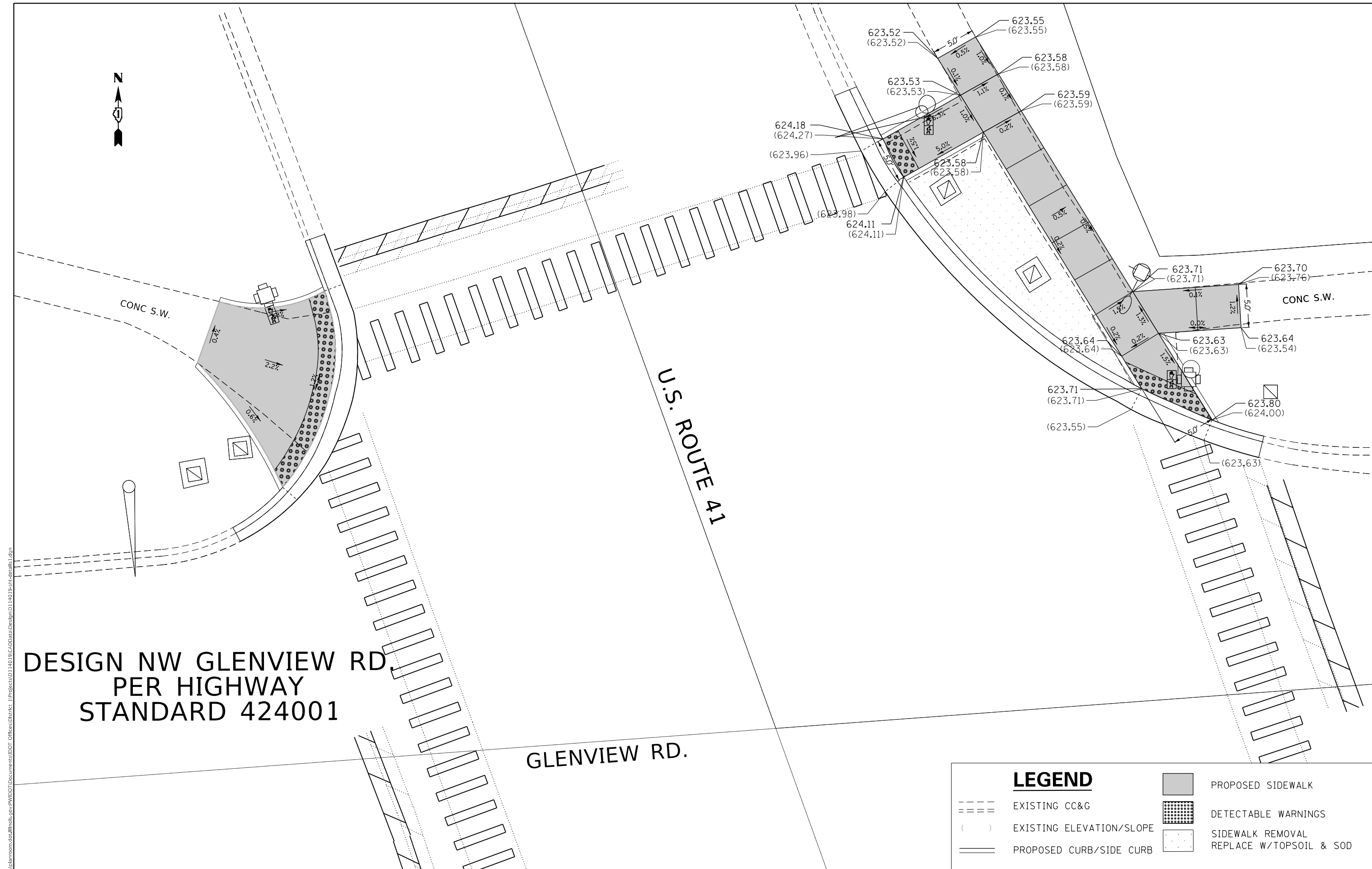
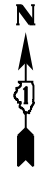
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SE AND SW OLD GLENVIEW RD. ADA SIDEWALK PLANS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	22
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



**DESIGN NW GLENVIEW RD,
PER HIGHWAY
STANDARD 424001**

GLENVIEW RD.

U.S. ROUTE 41

LEGEND

- EXISTING CC&G
- () EXISTING ELEVATION/SLOPE
- ==== PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- ▒ DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NE AND NW GLENVIEW RD.
ADA SIDEWALK PLANS**

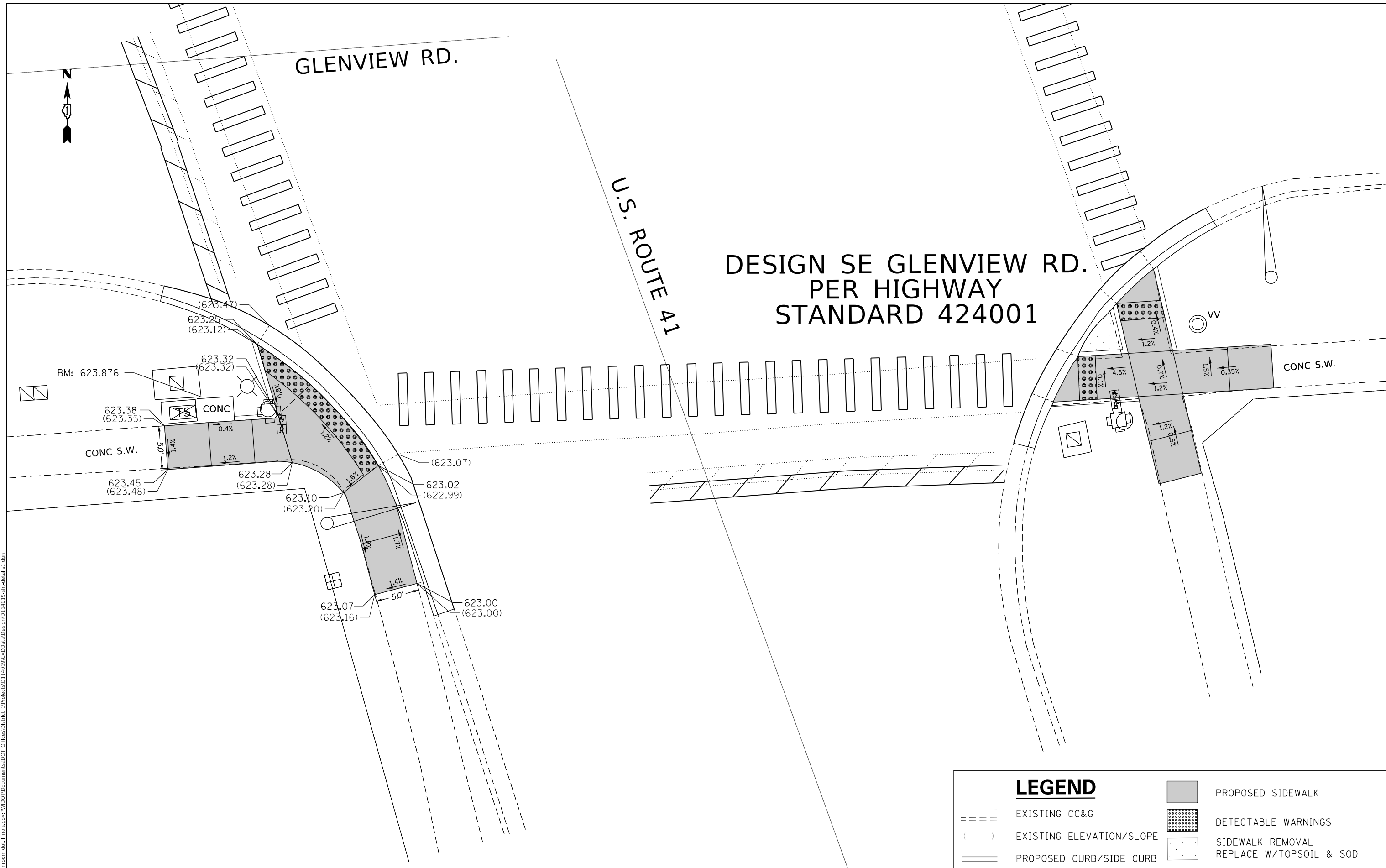
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	23
FAP 350 & FAI 94	CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT	

GLENVIEW RD.

U.S. ROUTE 141

DESIGN SE GLENVIEW RD.
PER HIGHWAY
STANDARD 424001



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LEGEND

	EXISTING CC&G		PROPOSED SIDEWALK
	EXISTING ELEVATION/SLOPE		DETECTABLE WARNINGS
	PROPOSED CURB/SIDE CURB		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SE AND SW GLENVIEW RD.	
ADA SIDEWALK PLANS	
SCALE:	SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	24
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			

DESIGN NE SKOKIE CT.
PER HIGHWAY
STANDARD 424001

SKOKIE CT.







DESIGN SE SKOKIE CT.
PER HIGHWAY
STANDARD 424001

U.S. ROUTE 41

CONC S.W.

CONC S.W.

LEGEND

-  EXISTING CC&G
-  EXISTING ELEVATION/SLOPE
-  PROPOSED CURB/SIDE CURB
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

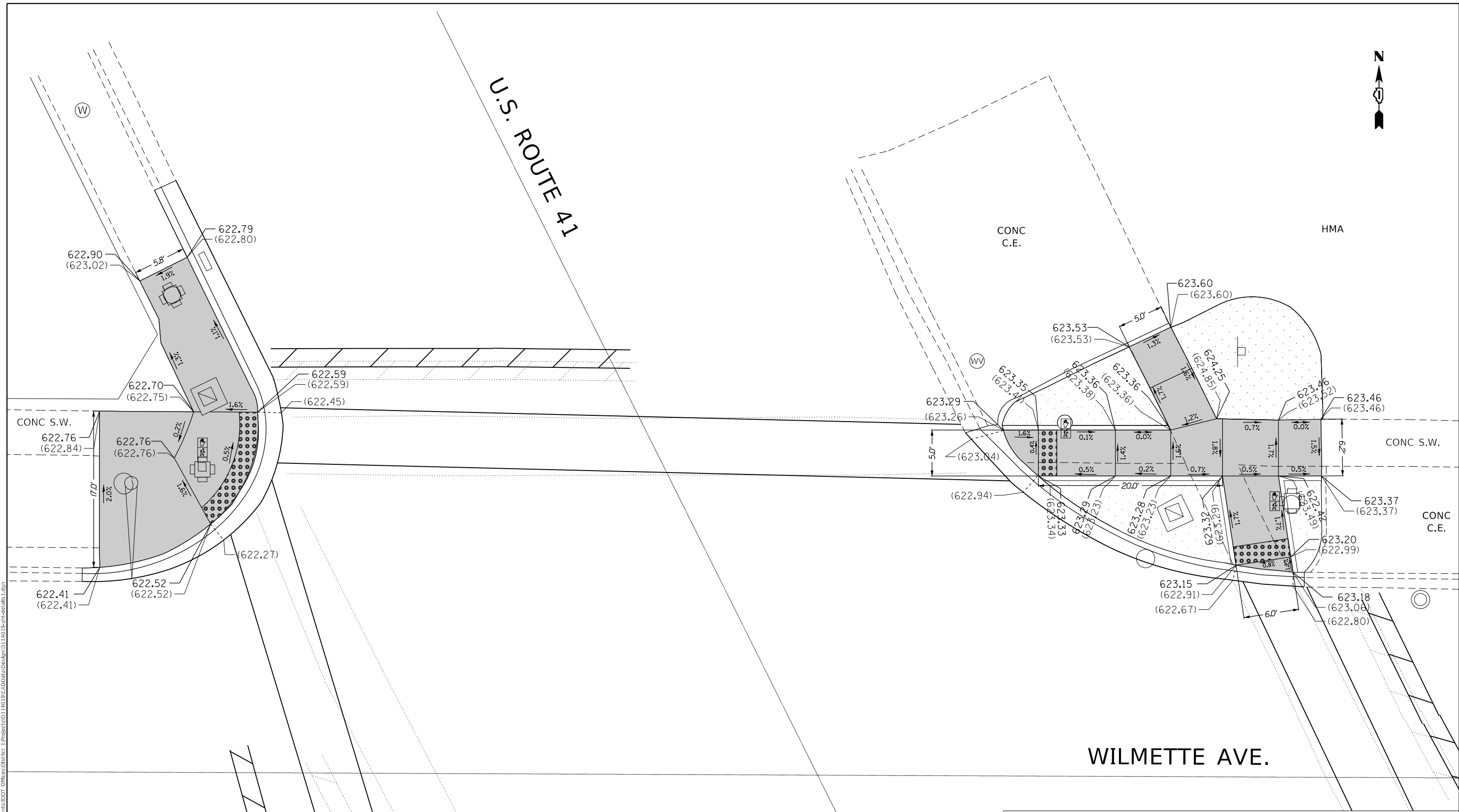
NE AND SE SKOKIE CT.
ADA SIDEWALK PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	25
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



U.S. ROUTE 41



WILMETTE AVE.

LEGEND

- EXISTING CC&G
- EXISTING ELEVATION/SLOPE
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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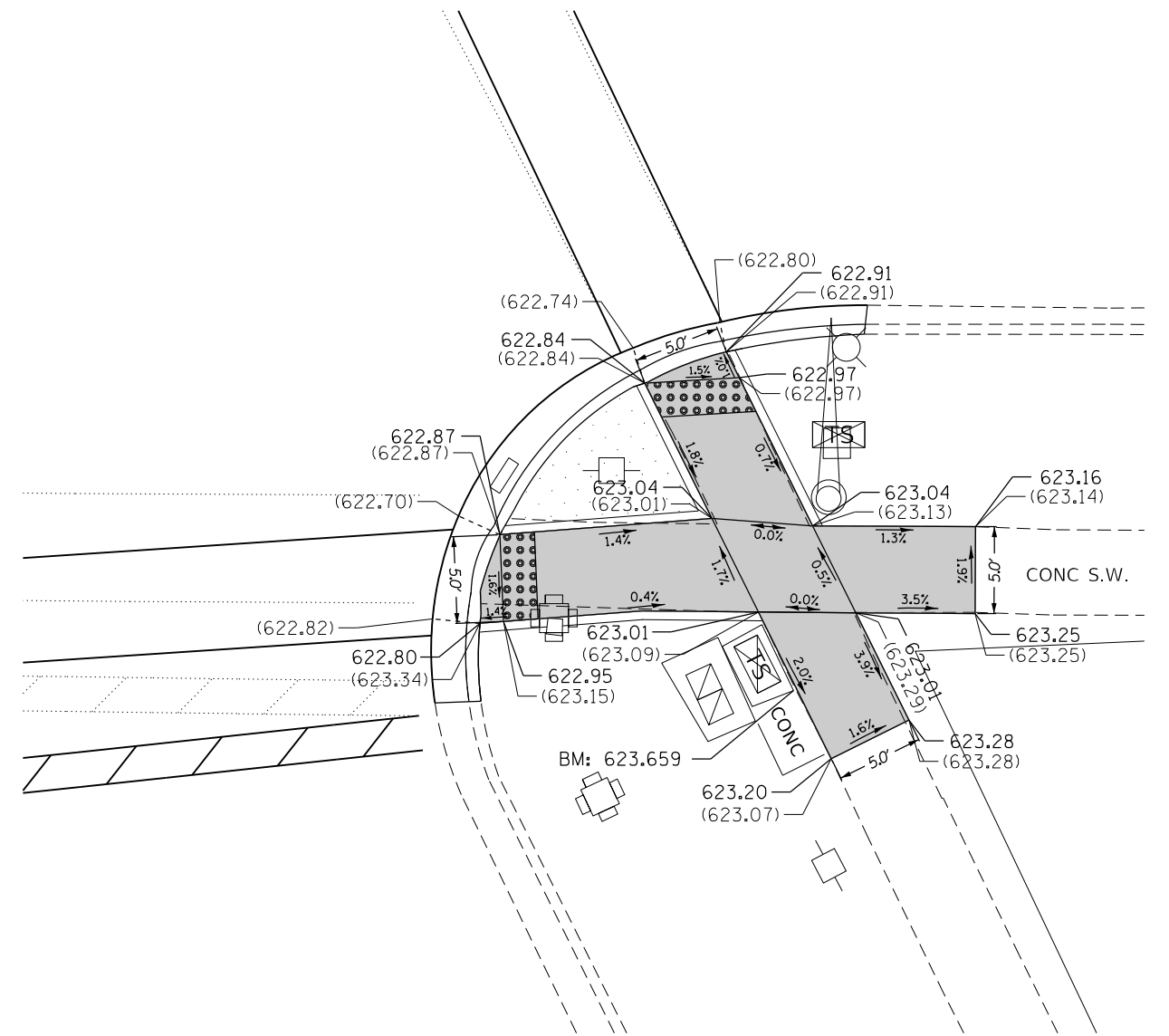
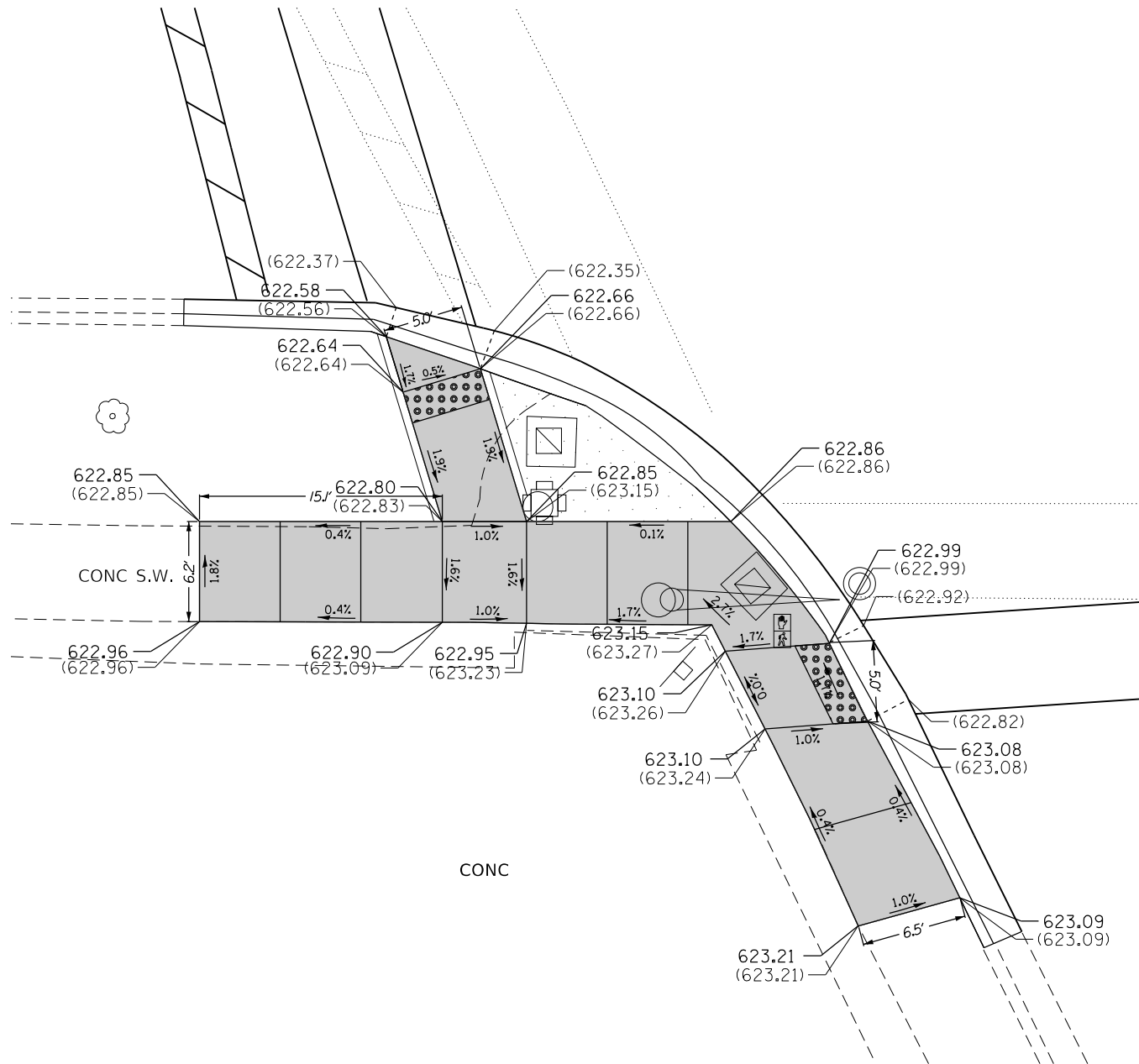
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NE AND NW WILMETTE AVE
ADA SIDEWALK PLANS.**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	26
FAP 350 & FAI 94	CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT			



LEGEND

- EXISTING CC&G
- EXISTING ELEVATION/SLOPE
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

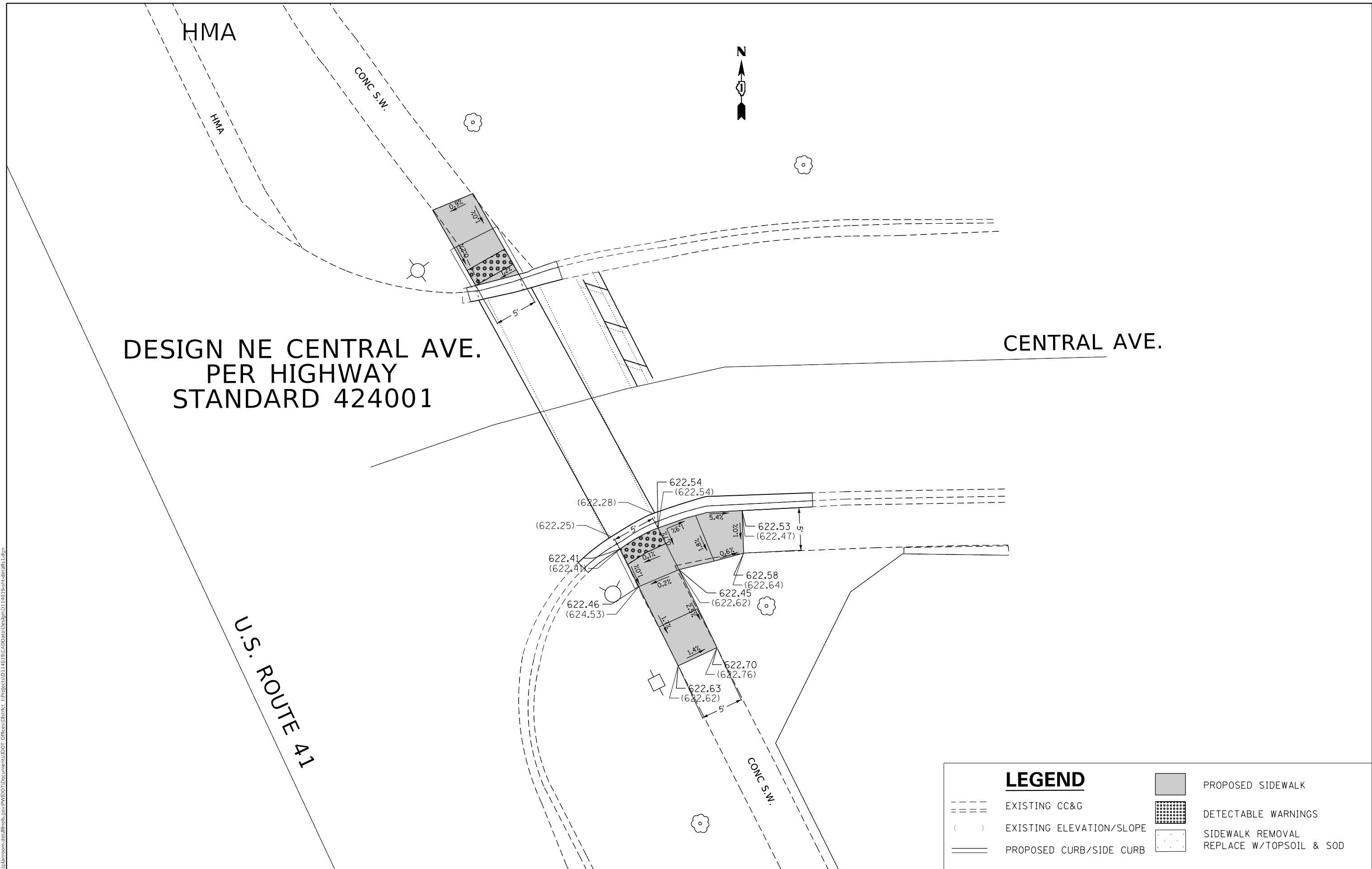
SE AND SW WILMETTE AVE.
ADA SIDEWALK PLANS

SCALE: SHEET OF SHEETS STA. TO STA.







SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	27
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS		FED. AID PROJECT	

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DESIGN NE CENTRAL AVE. PER HIGHWAY STANDARD 424001



LEGEND

-  EXISTING CC&G
-  EXISTING ELEVATION/SLOPE
-  PROPOSED CURB/SIDE CURB
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

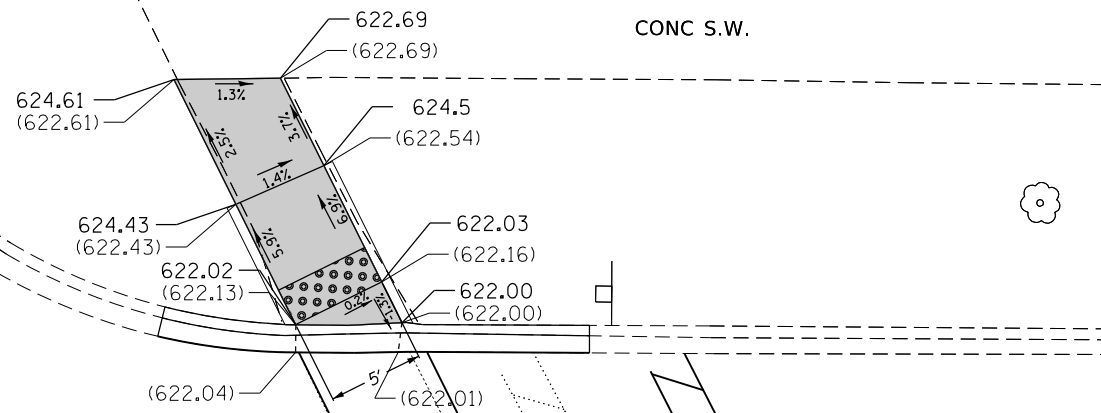
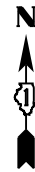
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NE AND SE CENTRAL AVE.
ADA SIDEWALK PLANS**

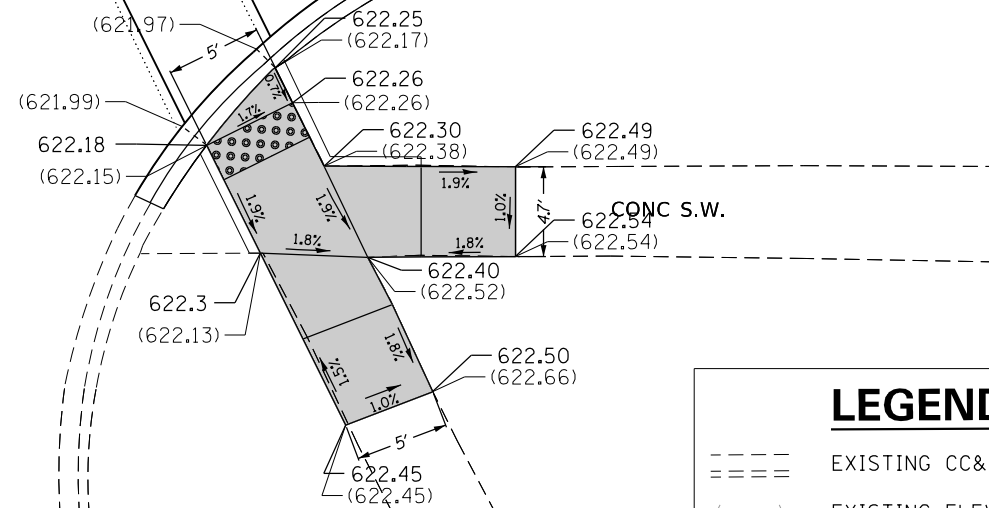
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	28
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



HIGHLAND AVE.

U.S. ROUTE 41



LEGEND

- EXISTING CC&G
- EXISTING ELEVATION/SLOPE
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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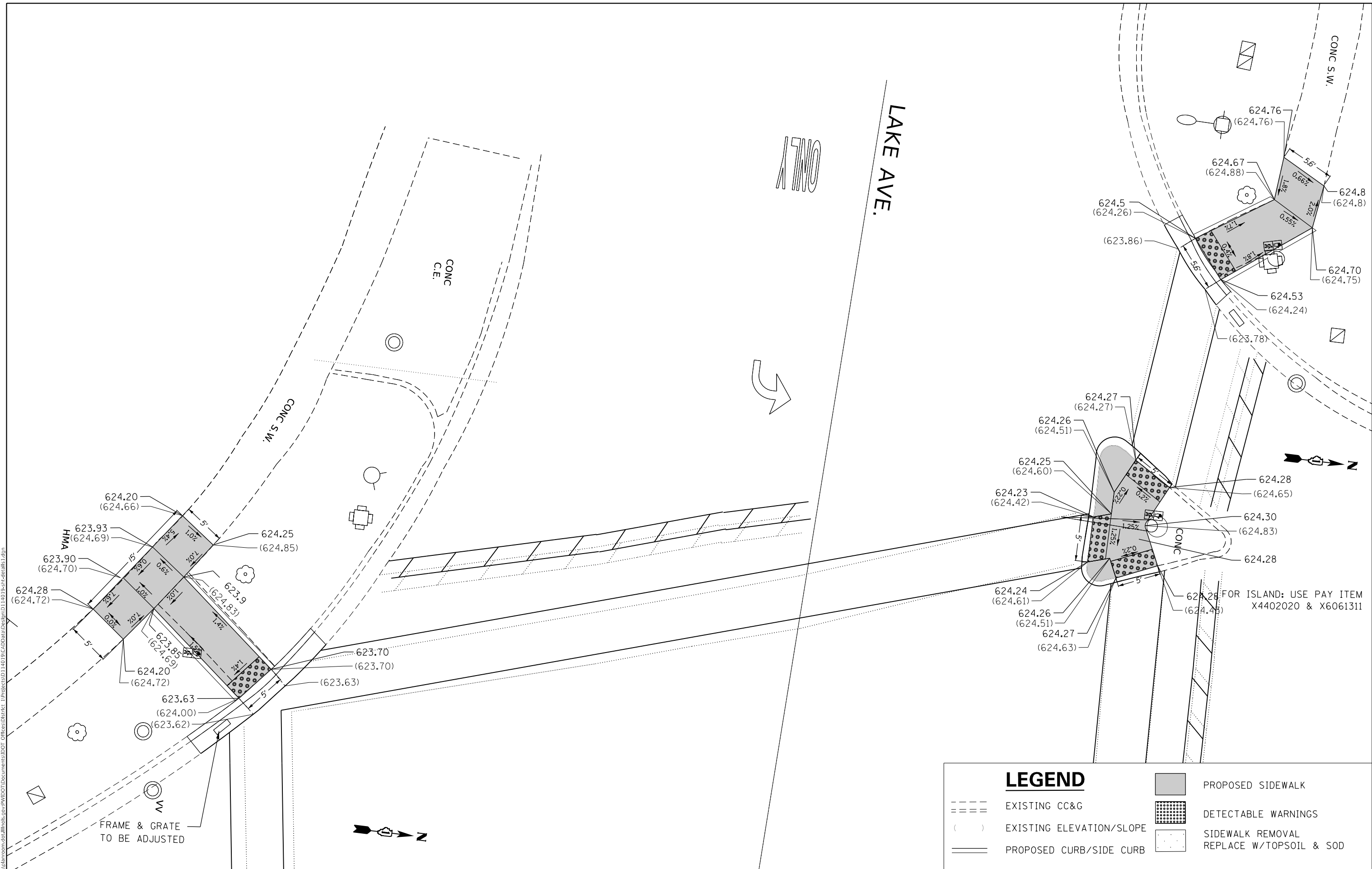
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NE AND SE HIGHLAND AVE.
ADA SIDEWALK PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	29
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			

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FRAME & GRATE TO BE ADJUSTED

LEGEND

- EXISTING CC&G
- EXISTING ELEVATION/SLOPE
- PROPOSED CURB/SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FOR ISLAND: USE PAY ITEM X4402020 & X6061311

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

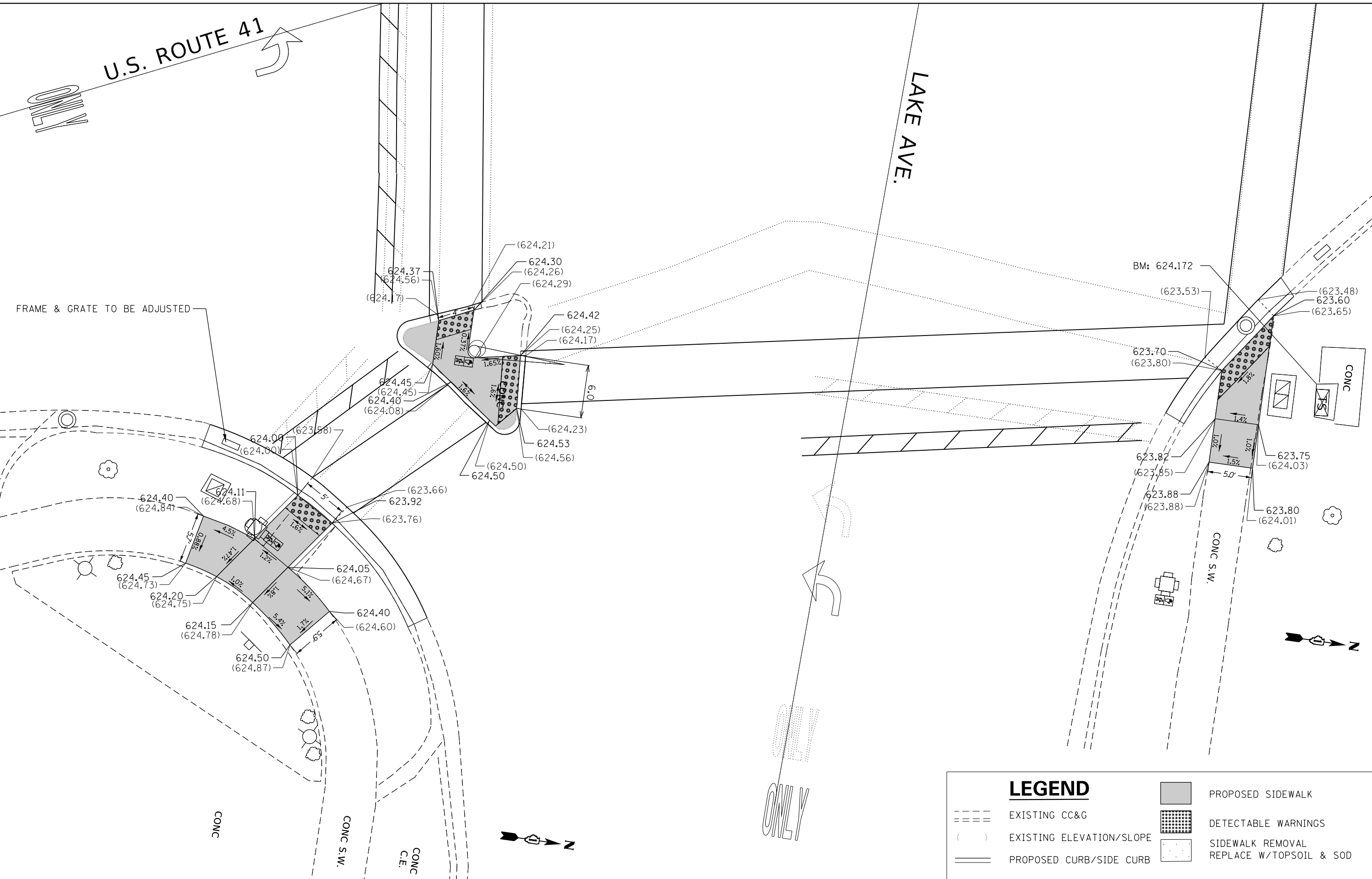
**NW AND SW LAKE AVE.
ADA SIDEWALK PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	30
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS		FED. AID PROJECT	

U.S. ROUTE 41

LAKE AVE.



LEGEND

	EXISTING CC&G		PROPOSED SIDEWALK
	EXISTING ELEVATION/SLOPE		DETECTABLE WARNINGS
	PROPOSED CURB/SIDE CURB		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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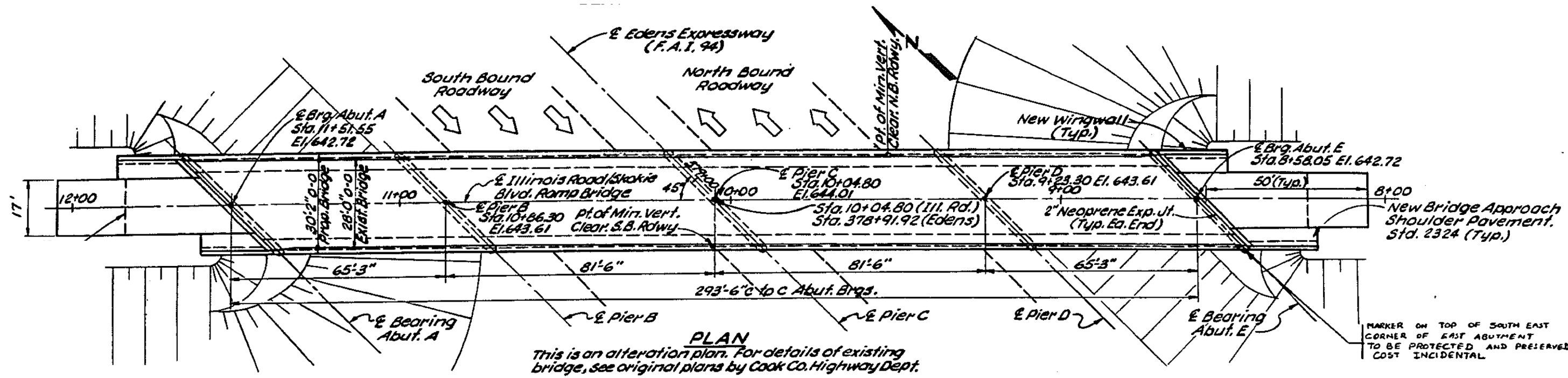
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NE AND SE LAKE AVE.
ADA SIDEWALK PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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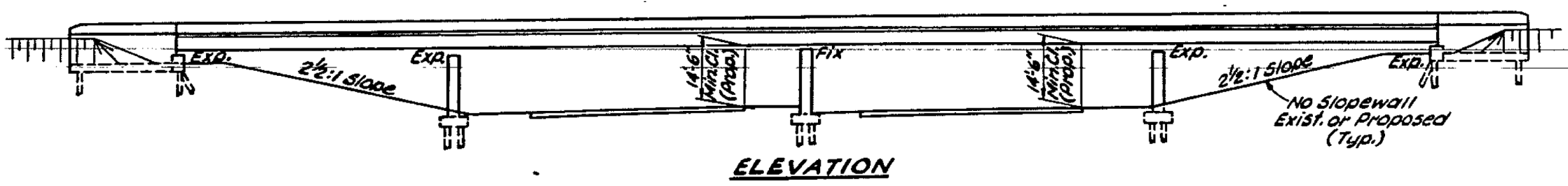
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	31
FAP 350 & FAI 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			



PLAN
 This is an alteration plan. For details of existing bridge, see original plans by Cook Co. Highway Dept.

STATION 378+92
 BUILT 1922 BY
 STATE OF ILLINOIS
 F.A.I. RT. 94 SEC. 1975-119 HBR
 F.A. PROJ. IX-94-2 (160)
 LOADING H520# ALT.
 STR. NO. 016-0167

NAME PLATE
 See Ill. Std. 2113



FOR INFORMATION ONLY

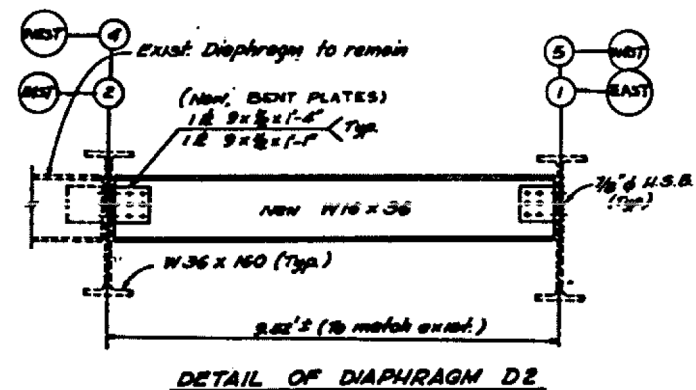
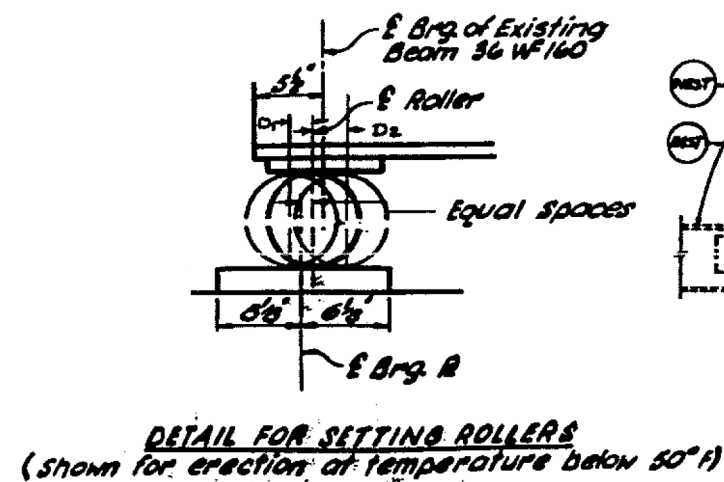
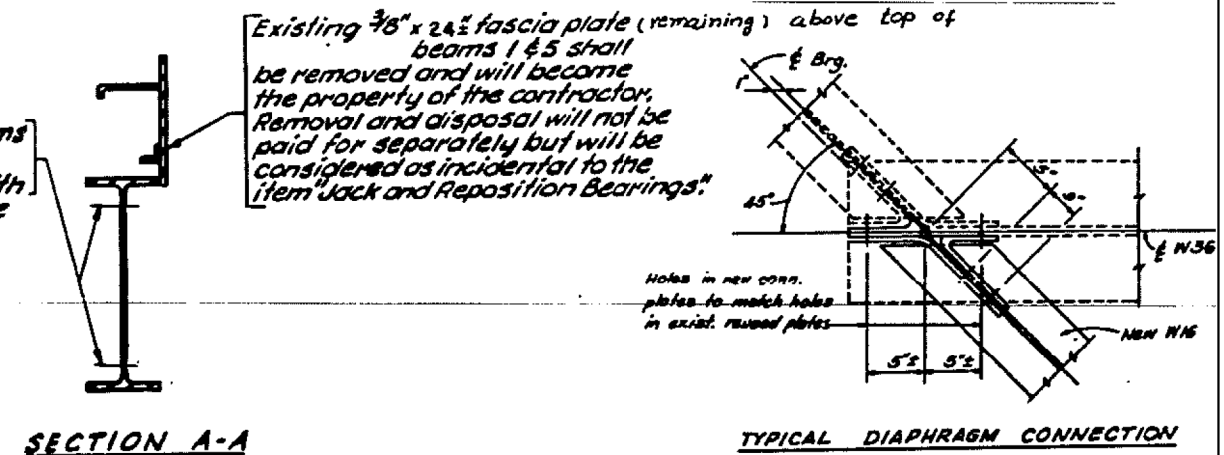
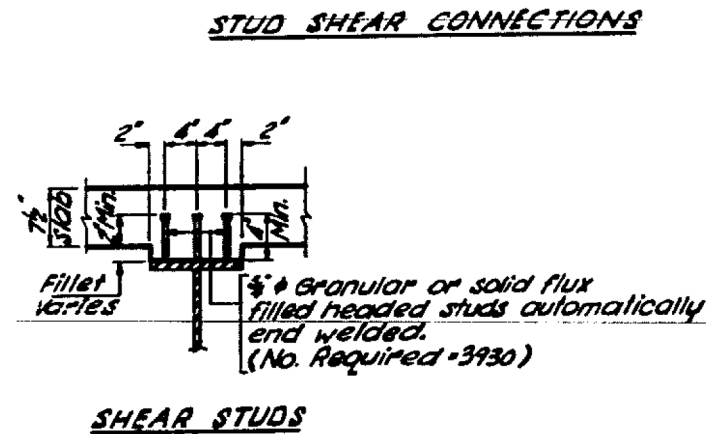
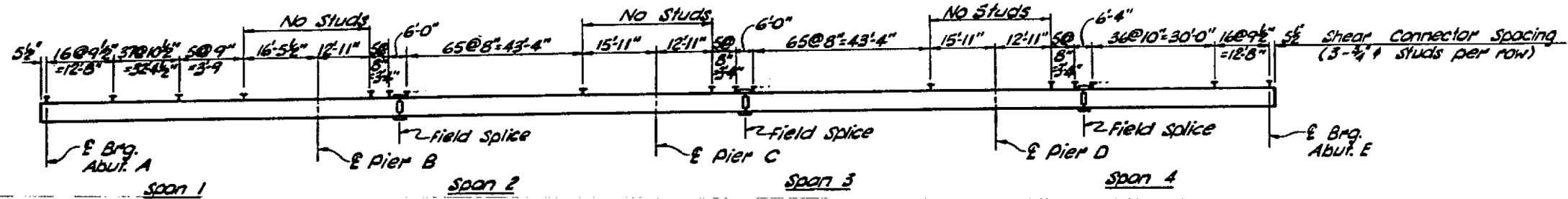
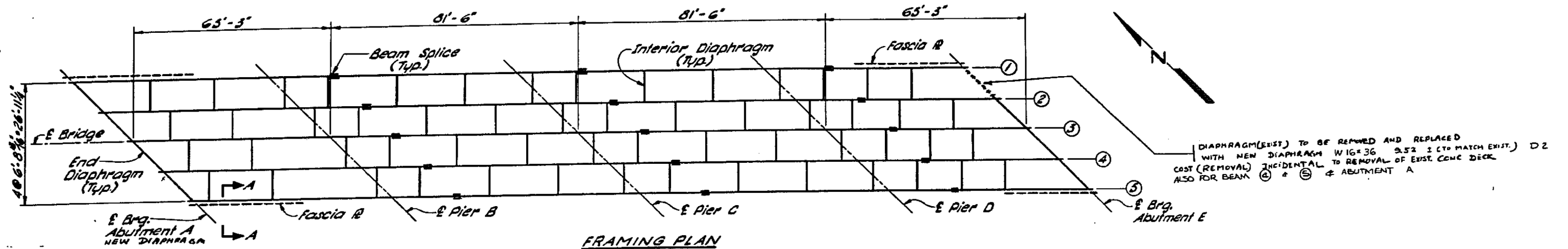
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94 SB OFF RAMP TO U.S. 41 (SN 016-0167)			
BRIDGE DECK PATCHING. PLAN AND ELEVATION.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-RS	COOK	50	32
CONTRACT NO. 62H96				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

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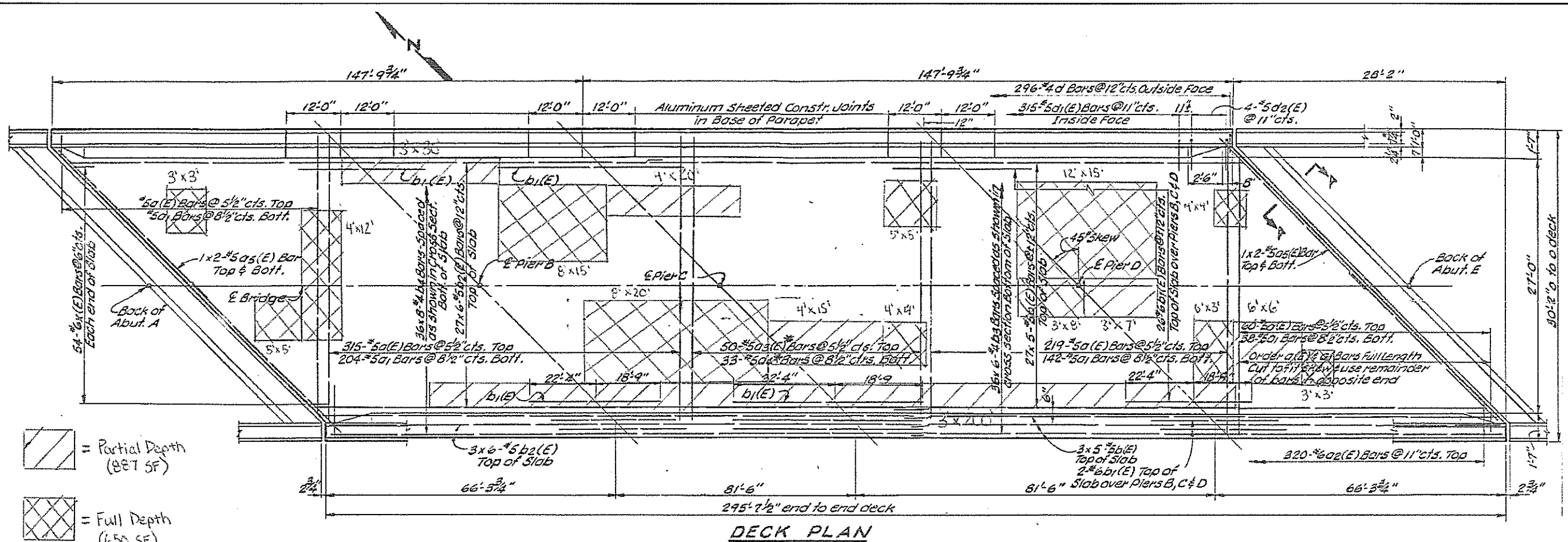
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 SB OFF RAMP TO U.S. 41 (SN 016-0167)
FRAMING PLAN.

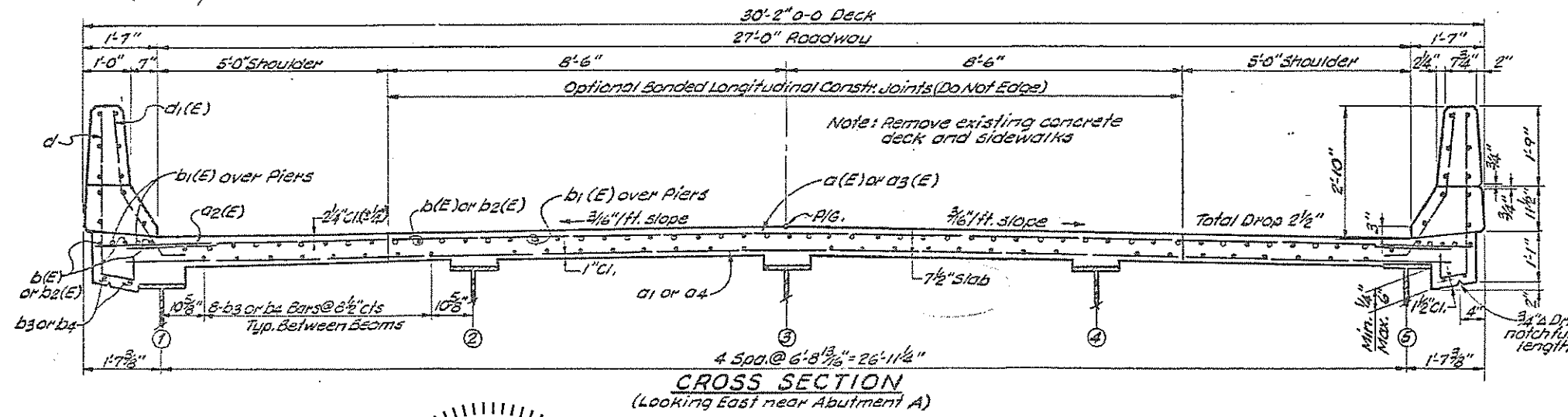
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-RS	COOK	50	32A
CONTRACT NO. 62H96				
ILLINOIS FED. AID PROJECT				



= Partial Depth (887 SF)
 = Full Depth (650 SF)

DECK PLAN

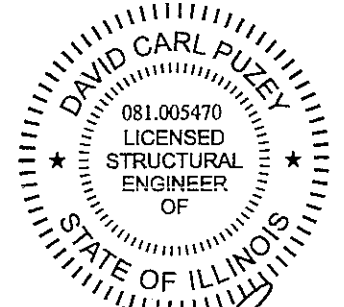


CROSS SECTION
(Looking East near Abutment A)

TOTAL BILL OF MATERIALS (SN 016-0167)

ITEM	UNIT	QUANTITY
DECK SLAB REPAIR (PARTIAL)	SQ.YD	99
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ.YD	75
PROTECTIVE SHIELD (PERMANENT)	SQ.YD	885
* PROTECTIVE COAT	SQ.YD	885

* PROTECTIVE COAT TO BE APPLIED OVER THE WHOLE DECK SURFACE.



David Carl Puzey 11/27/19
 Expires 11/30/20

USER NAME = gorengautab	DESIGNED - J.A.H.	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - F.A.	REVISED -
PLOT DATE = 11/26/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

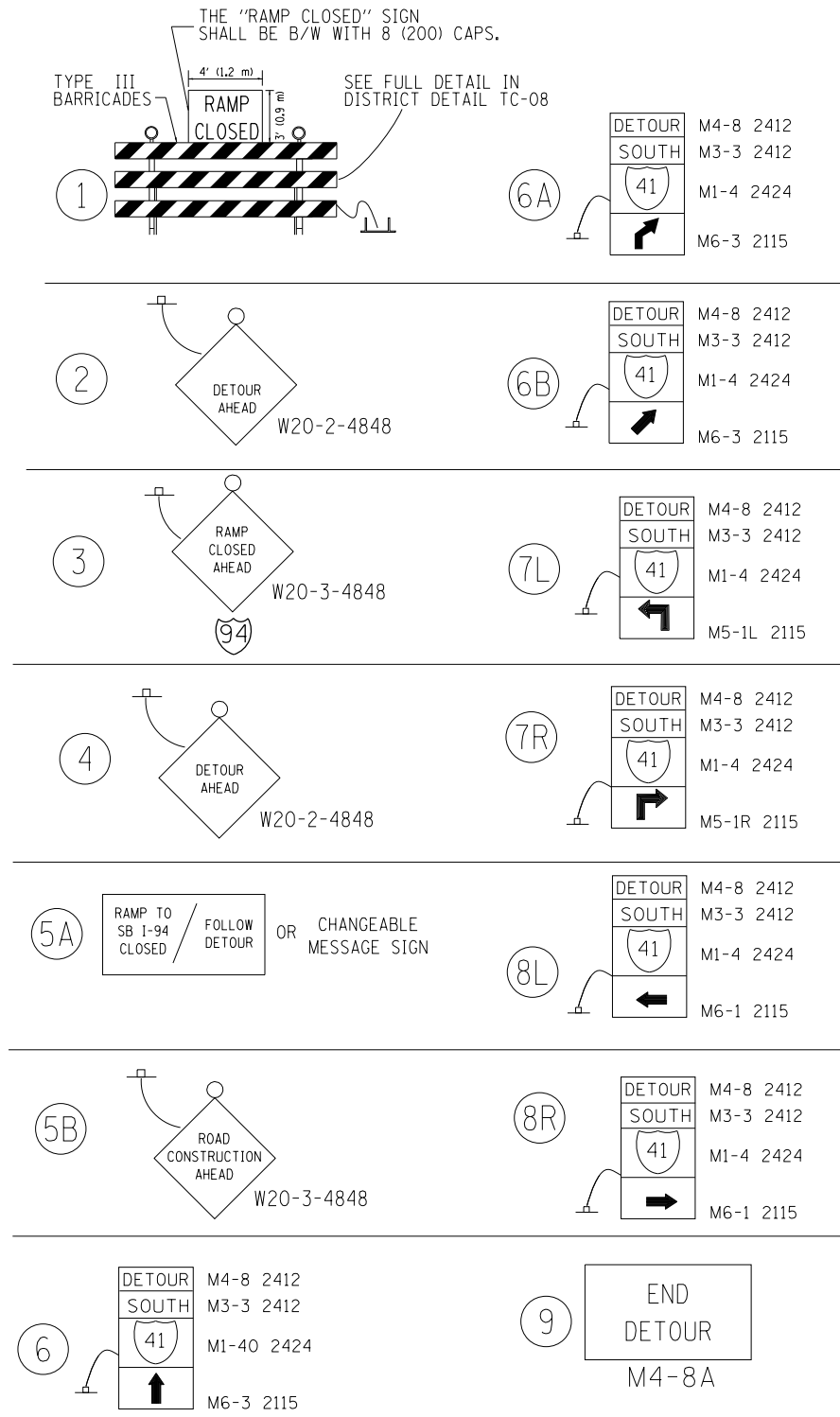
I-94 SB OFF RAMP TO U.S. 41 (SN 016-0167)
BRIDGE DECK PATCHING

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	328
FAP 350 & FAI 94			CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT				

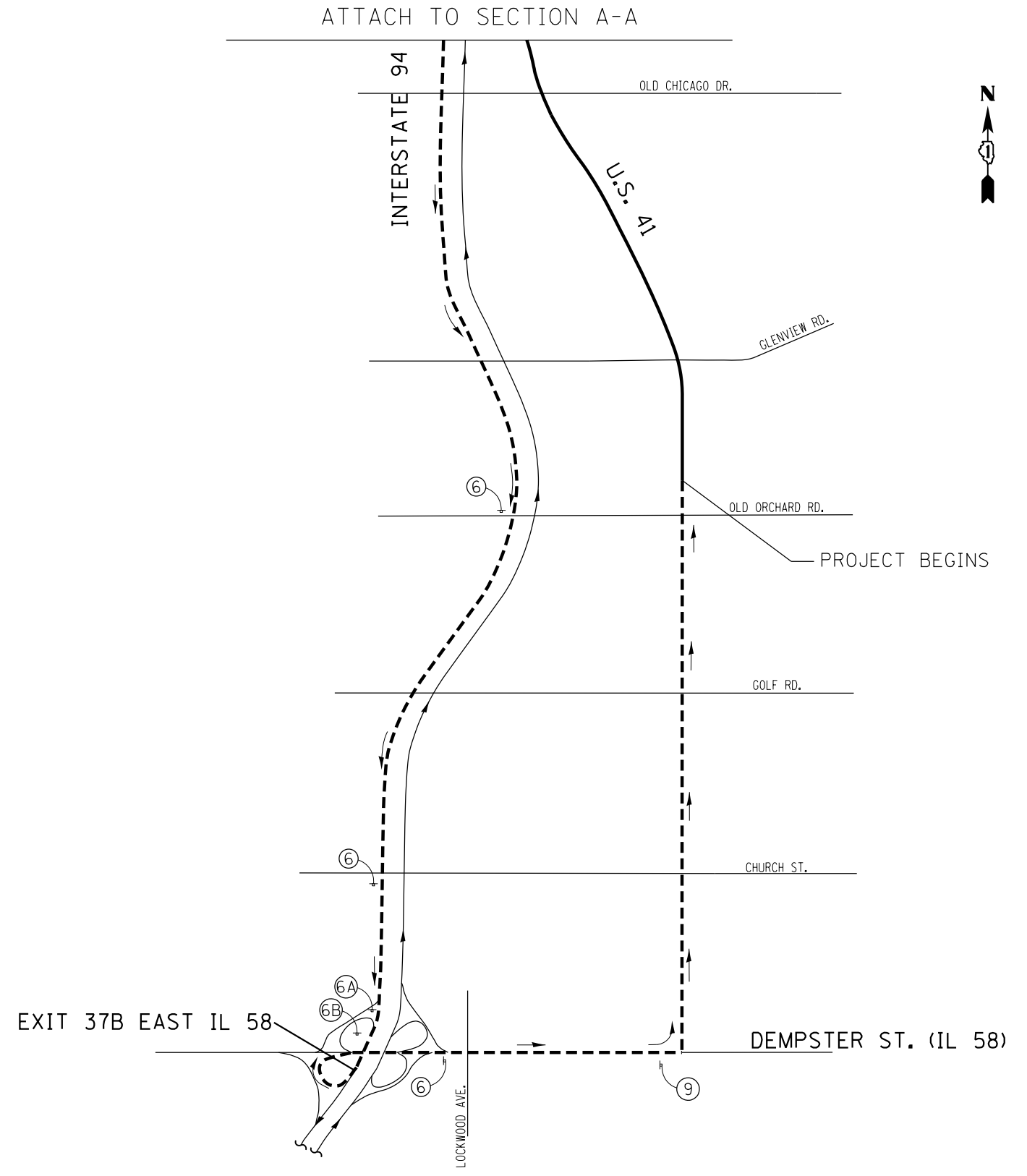
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 DATE: 11/26/2019

DETOUR ROUTE FOR WORKZONE ON SOUTHBOUND I-94 EXIT RAMP TO US 41



LEGEND

	TYPE II BARRICADE OR DRUM
	TYPE III BARRICADE WITH 2 FLASHING LIGHTS
	DETOUR ROUTE
	ROADWAY/RAMP SECTION CLOSURE



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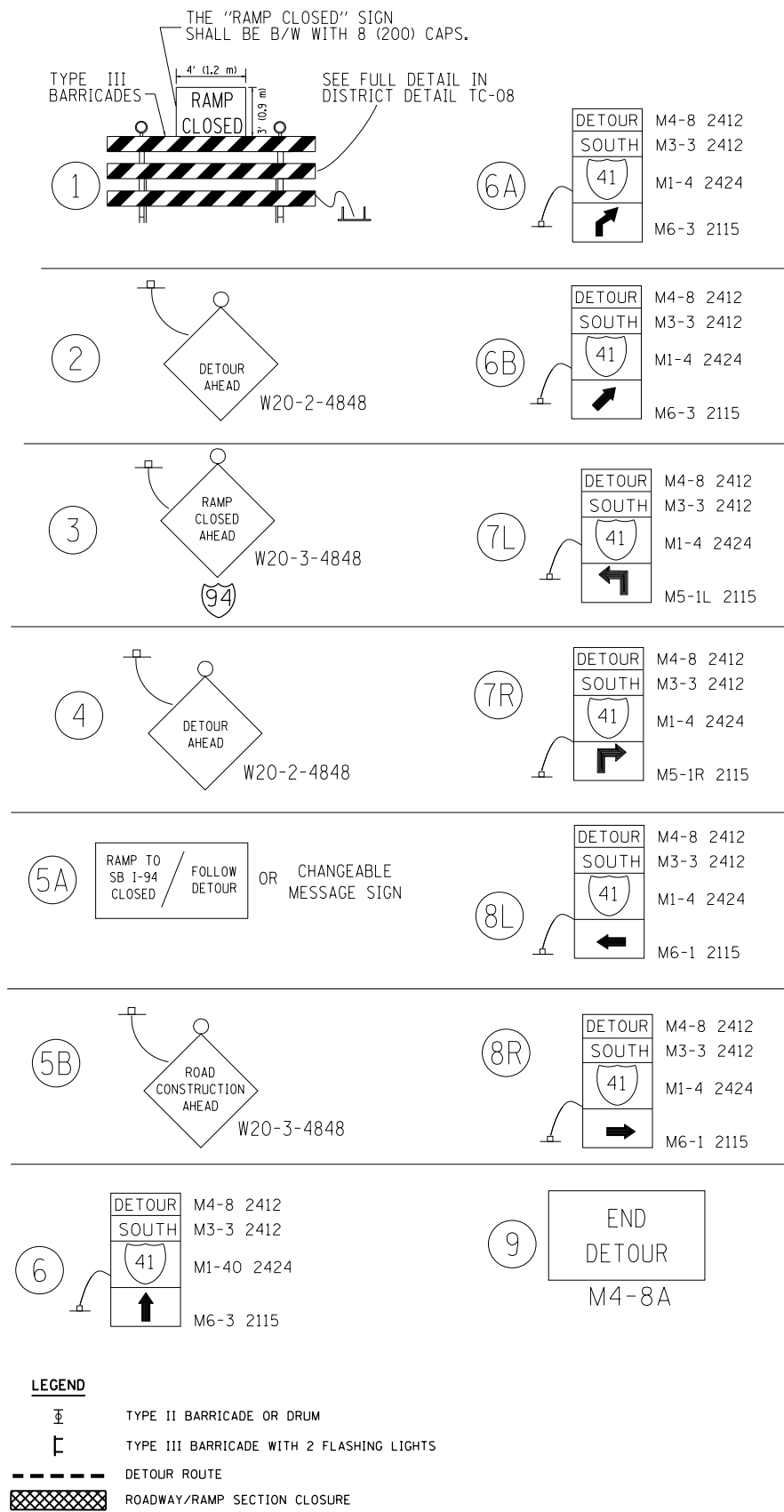
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED DETOUR PLAN FROM SB EXIT RAMP THROUGH I-94 AND IL 58 TO US 41	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

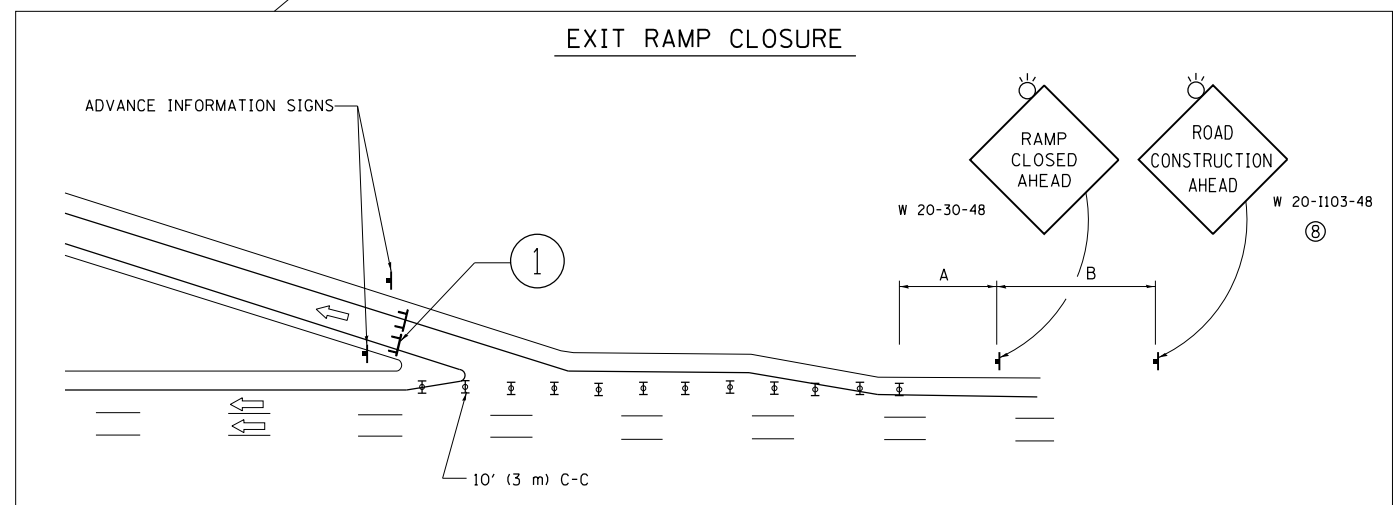
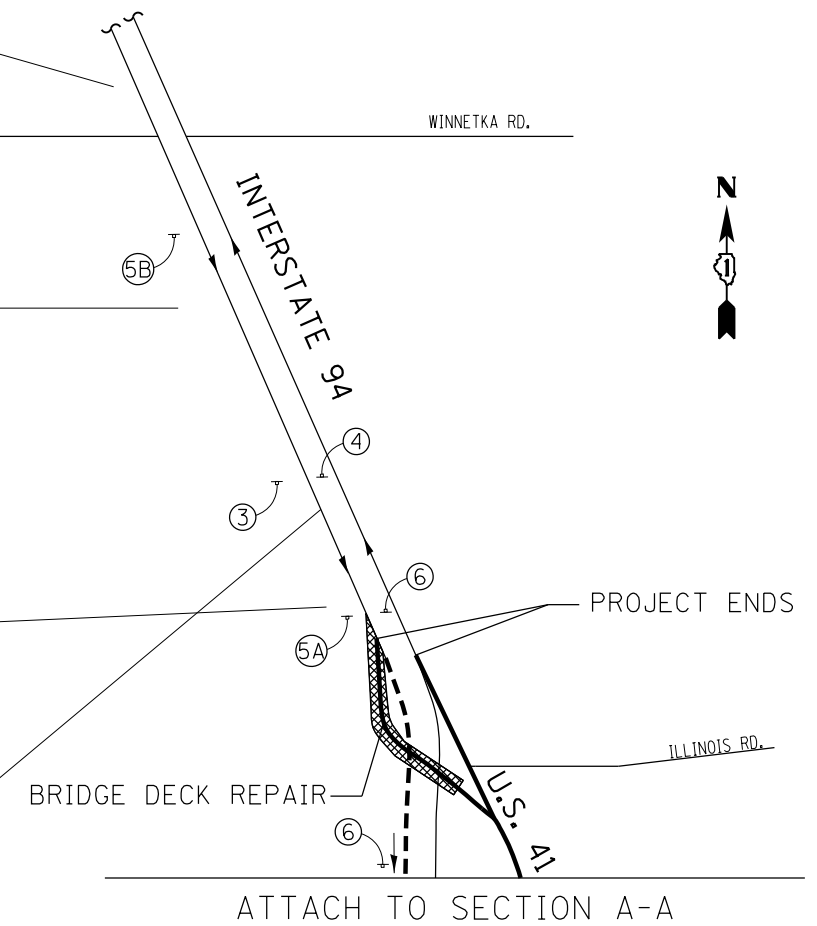
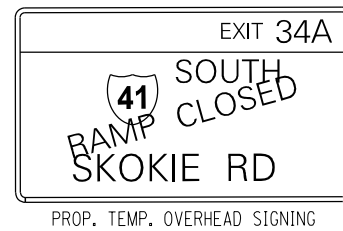
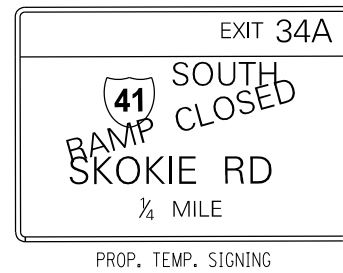
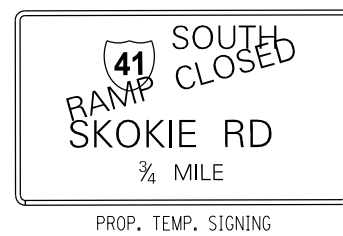
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	33
FAP 350 & FAT 94		CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT			

DETOUR ROUTE FOR WORKZONE ON SOUTHBOUND I-94 EXIT RAMP TO US 41



SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)



NOTE: SEE TC-08 FOR MORE INFORMATION

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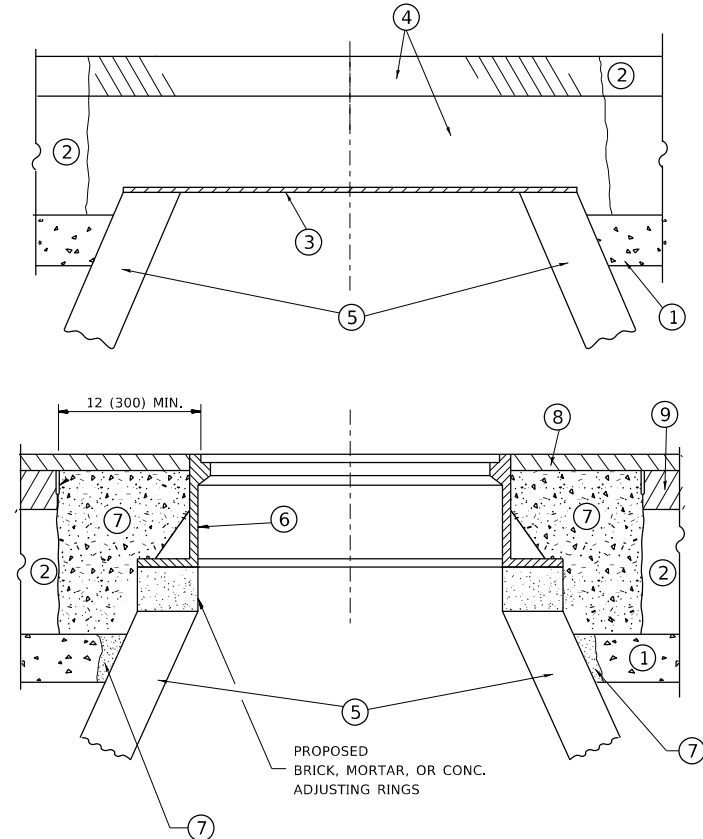
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED DETOUR PLAN FROM SB EXIT RAMP
THROUGH I-94 AND IL 58 TO US 41**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	34
FAP 350 & FAI 94	CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT			



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | 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

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

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

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

NOTES

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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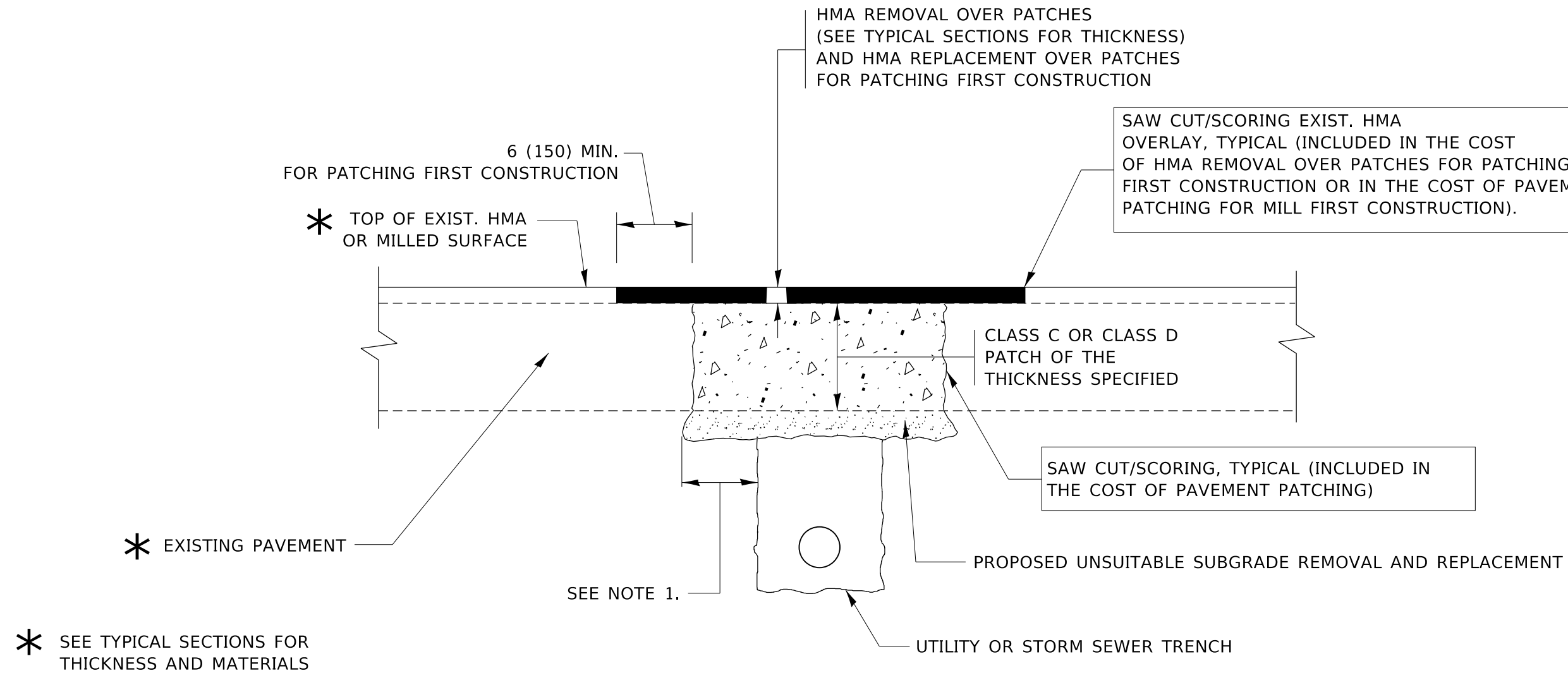
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PLOT DATE = 10/18/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	35
BD600-03 (BD-8)		CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT		



NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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PLOT DATE = 10/18/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

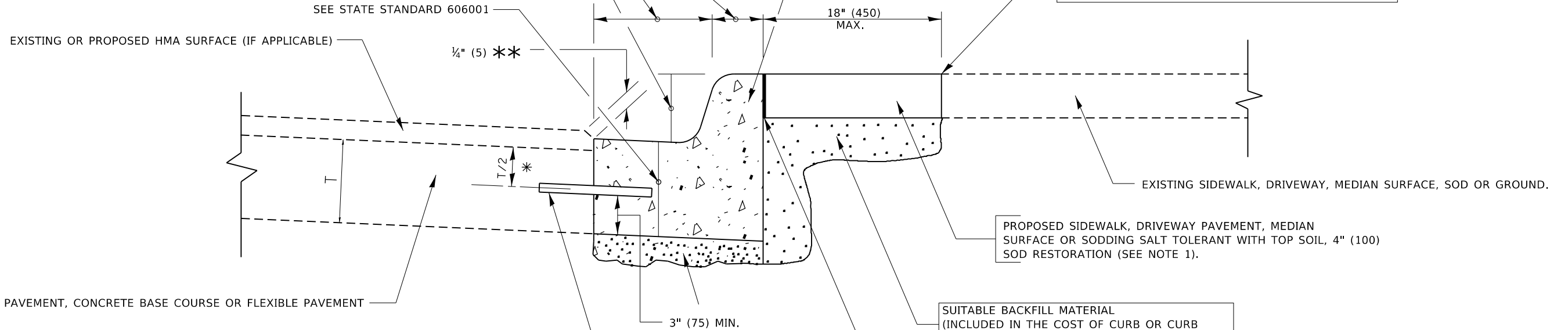
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	36
BD400-04 (BD-22)		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE 2)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.



* 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.

NOTE:

- SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
- CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
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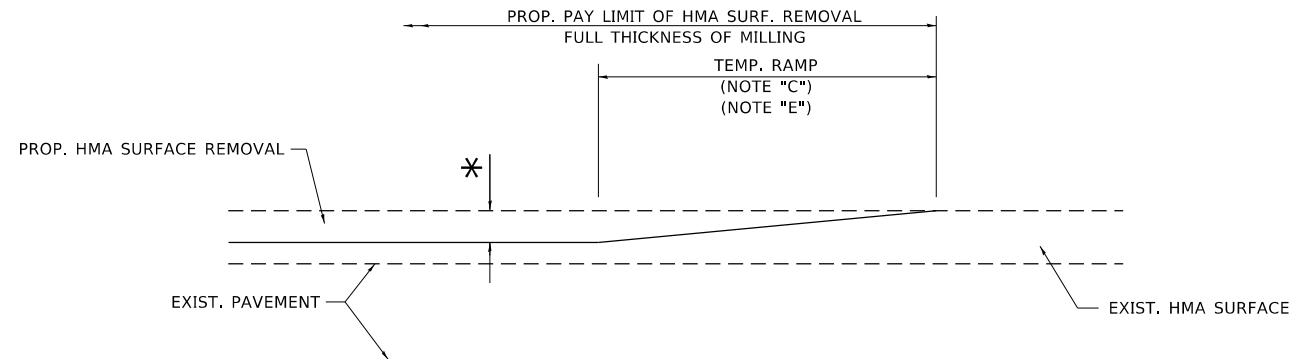
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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 10/18/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

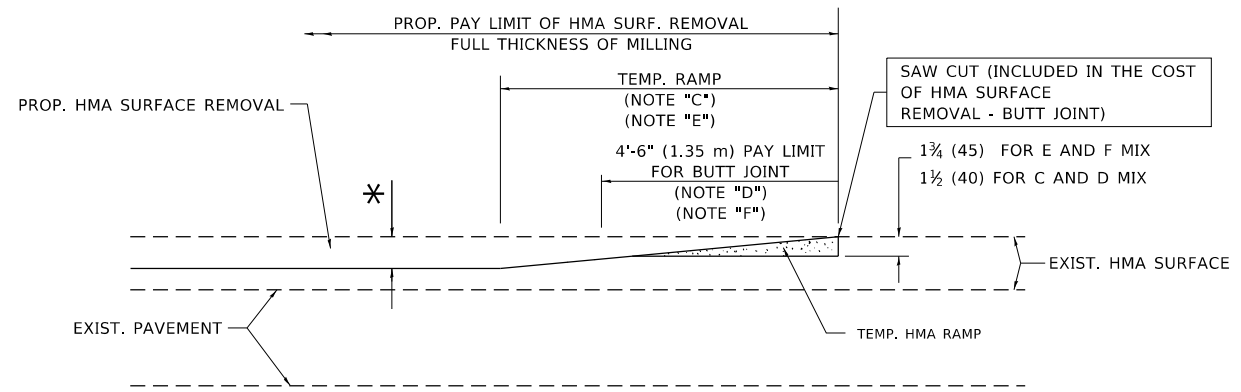
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-06 (BD-24)		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



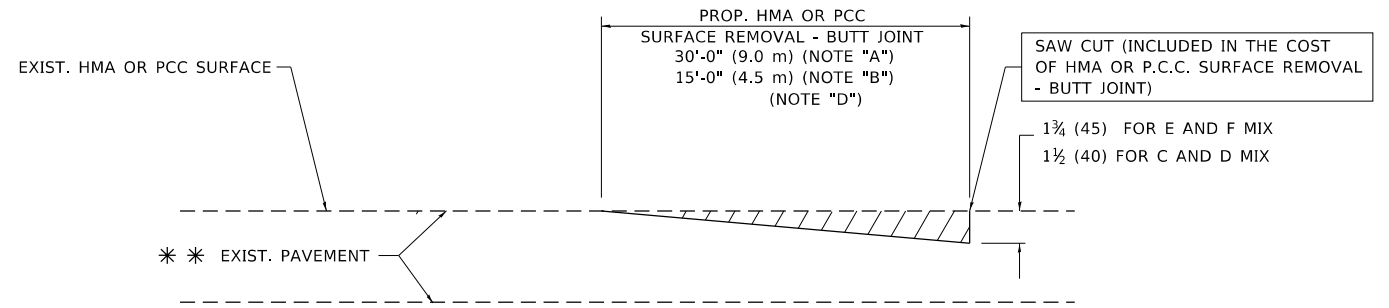
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

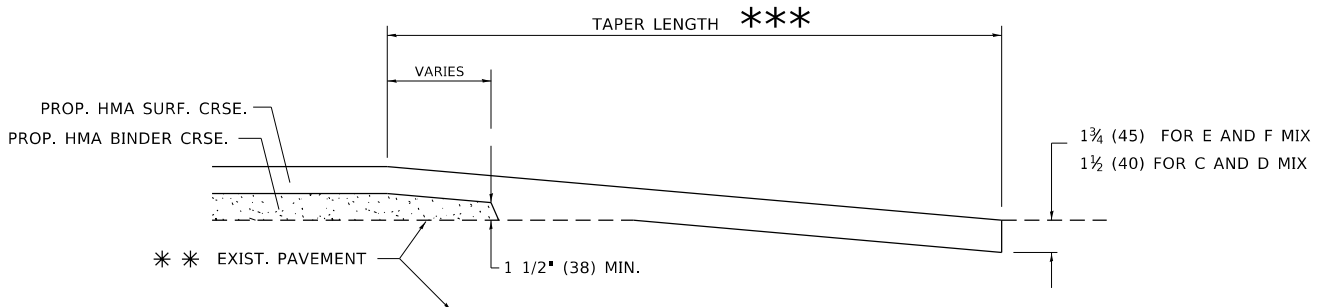


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

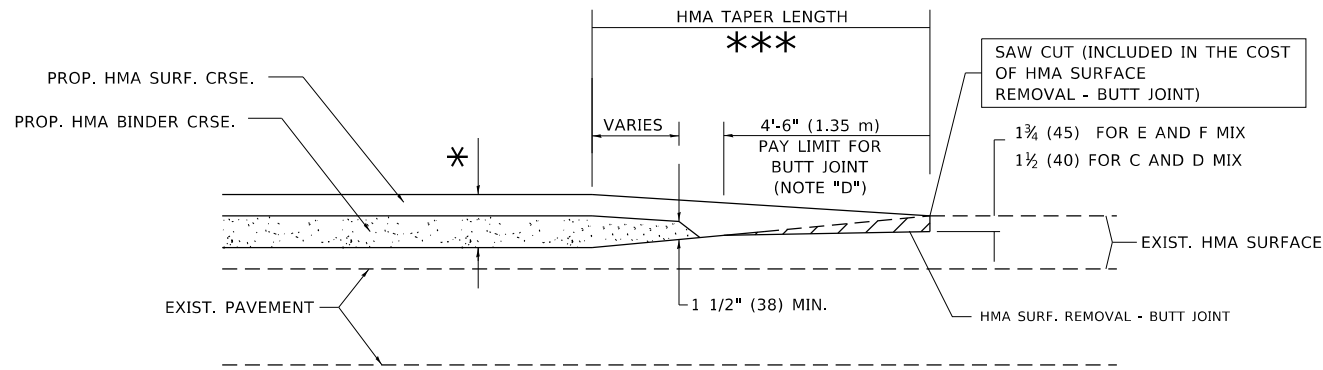
NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE: \\hpc\p\pub\hpc\room\dat\illinois\pcc\p\WIDOT\Documents\IBDOT_Offices\Bartlett_1\Projects\114019\CADD\Drawings\Design\DES54.dwg

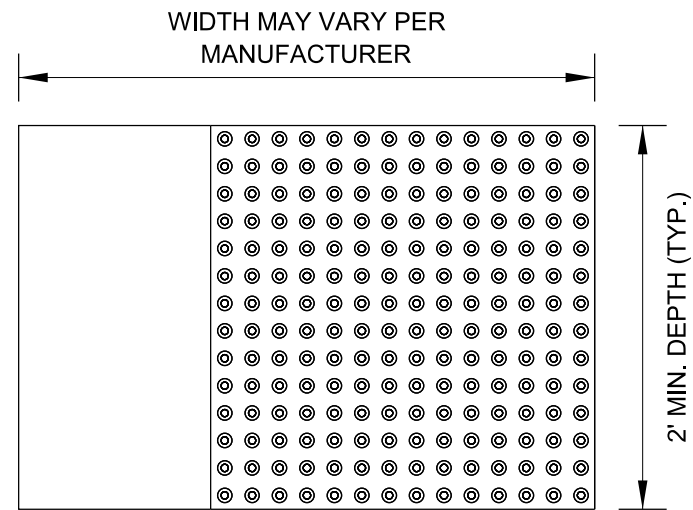
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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 10/18/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

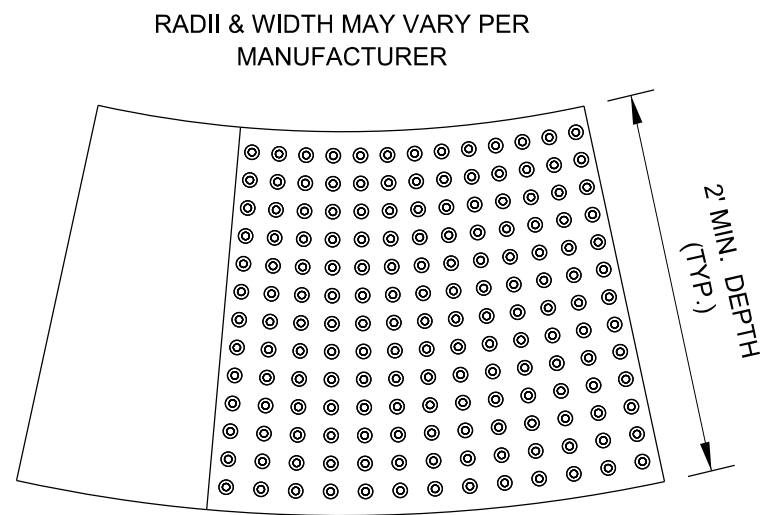
BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	38
BD400-05 BD32		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

STRAIGHT DETECTABLE WARNING UNITS



RADIAL DETECTABLE WARNING UNITS

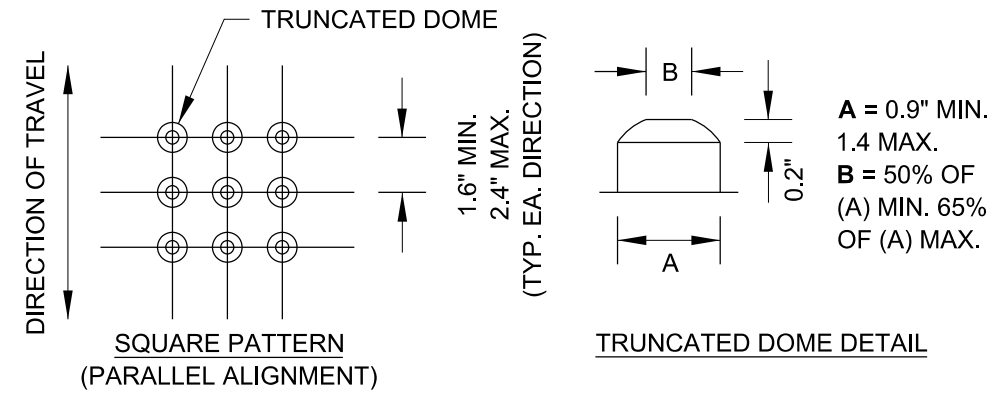


DETECTABLE WARNING UNIT SIZES

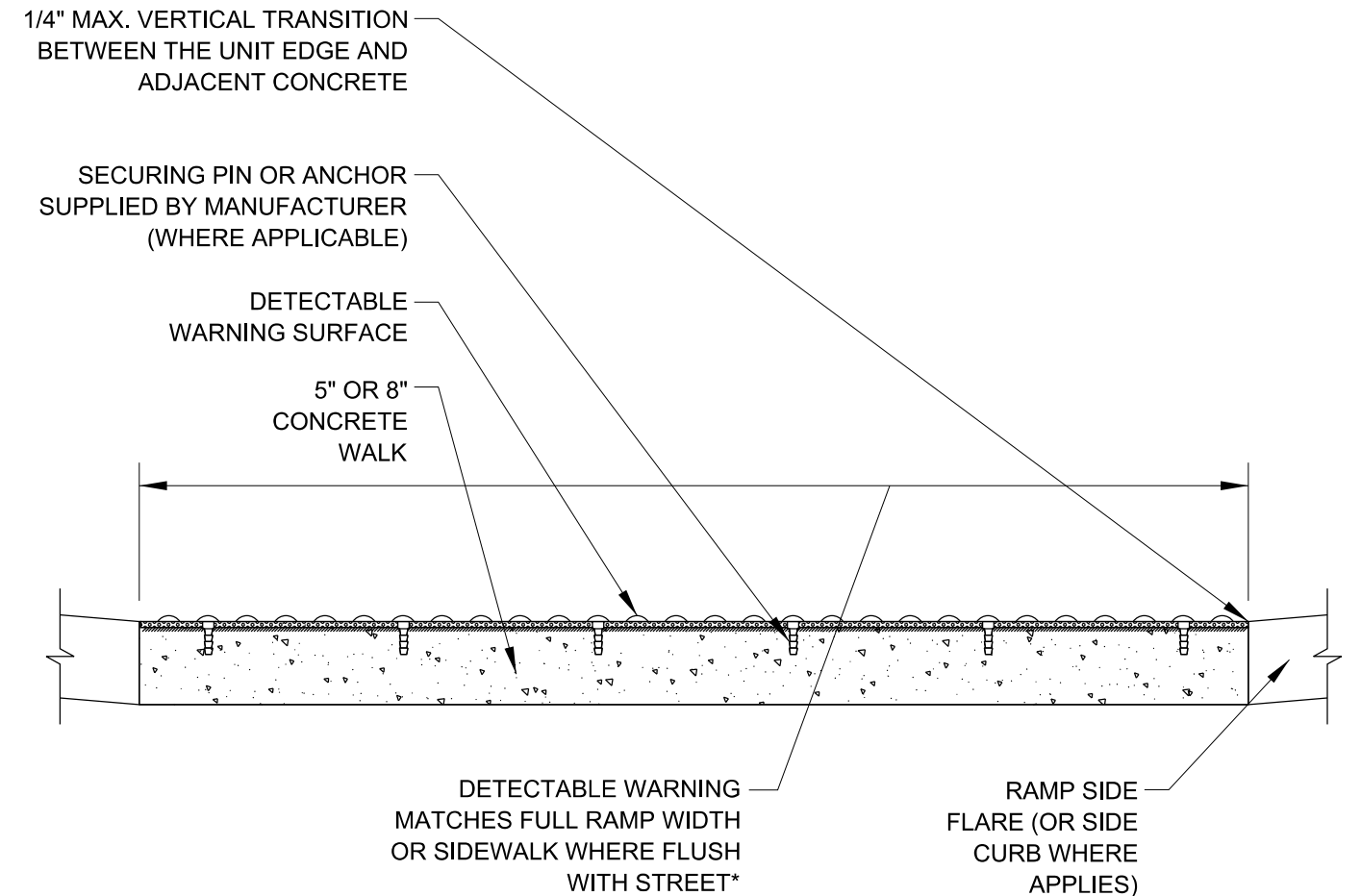
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

GENERAL NOTE:

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



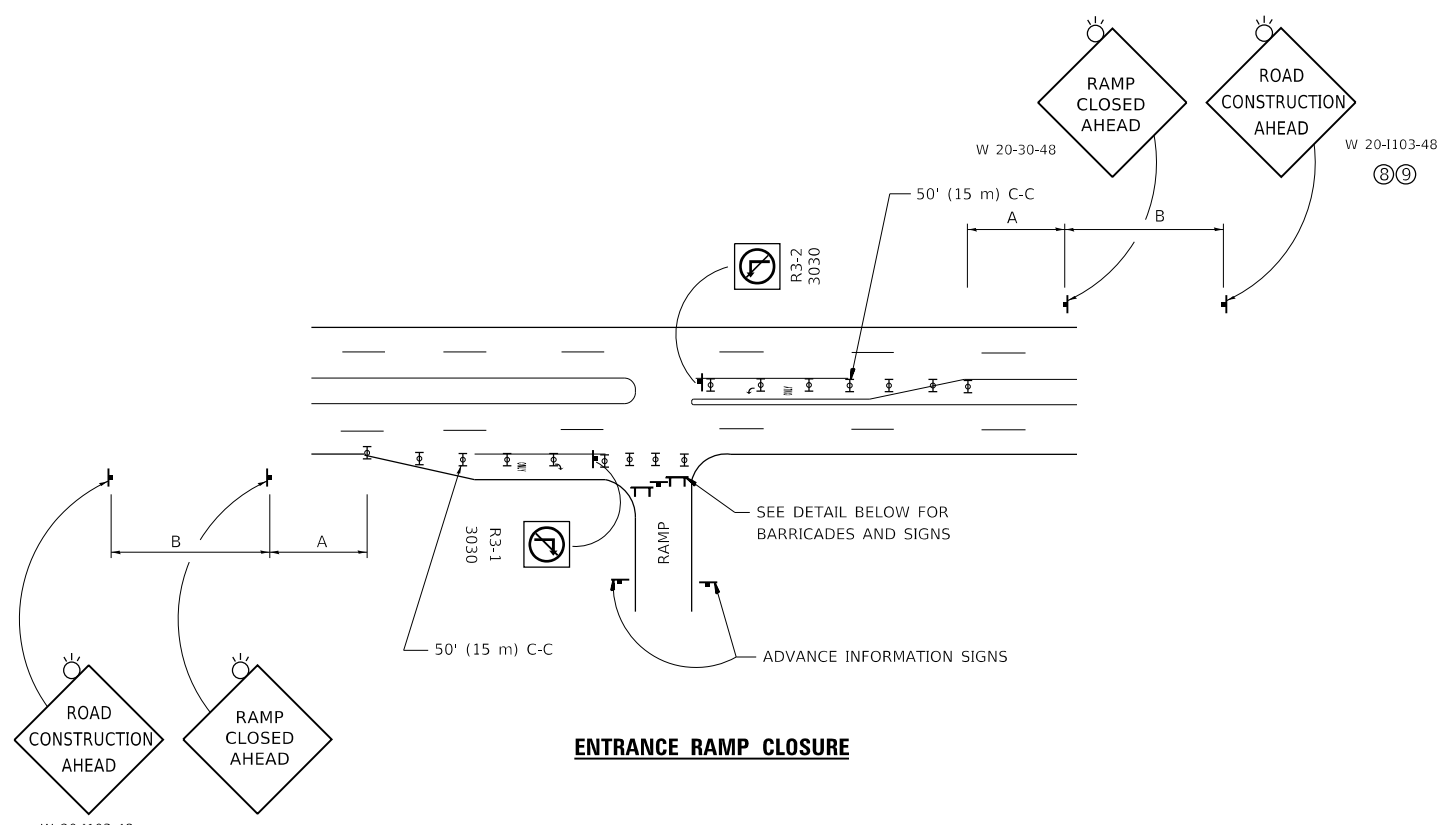
UNIT PATTERN & DOME DETAIL



*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

DETECTABLE WARNING UNIT SECTION

FILE NAME =	USER NAME = khamms	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COOK COUNTY DETECTABLE WARNINGS			F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\011401\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED -		550/94	2019-019-R5	COOK	50	39			
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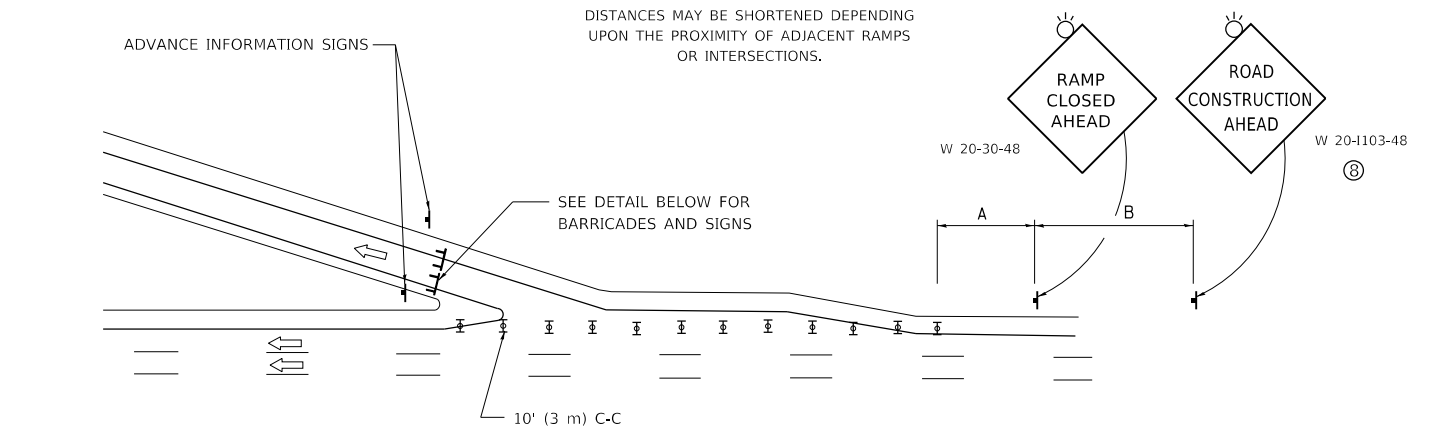


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

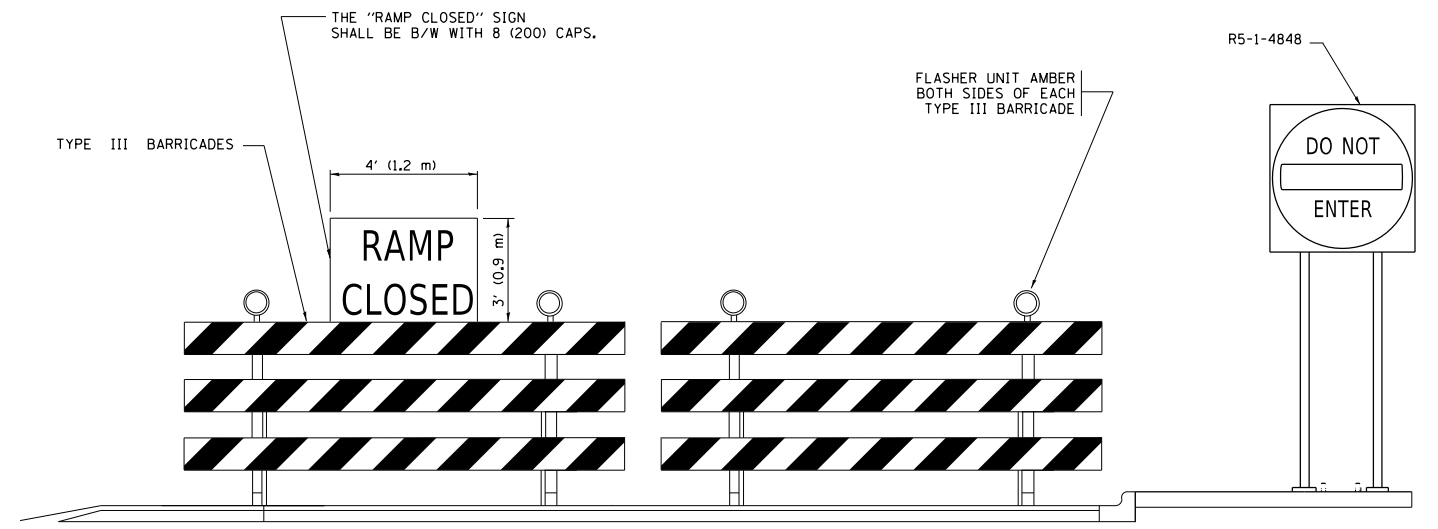
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

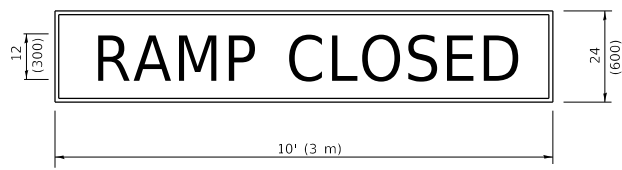
SYMBOLS

- ☐ TYPE II BARRICADE OR DRUM
- ☐ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



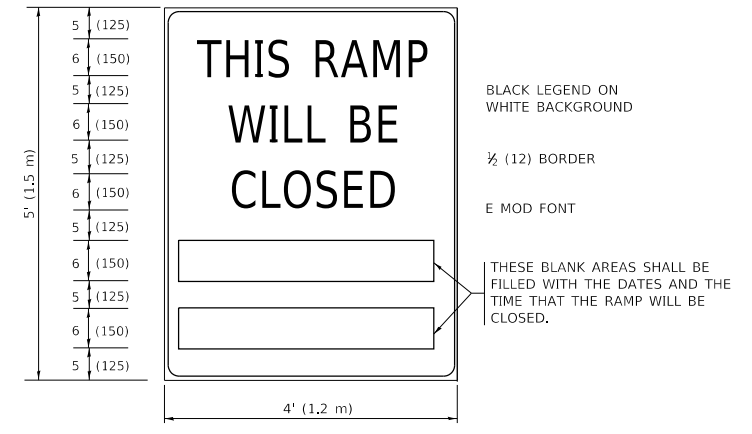
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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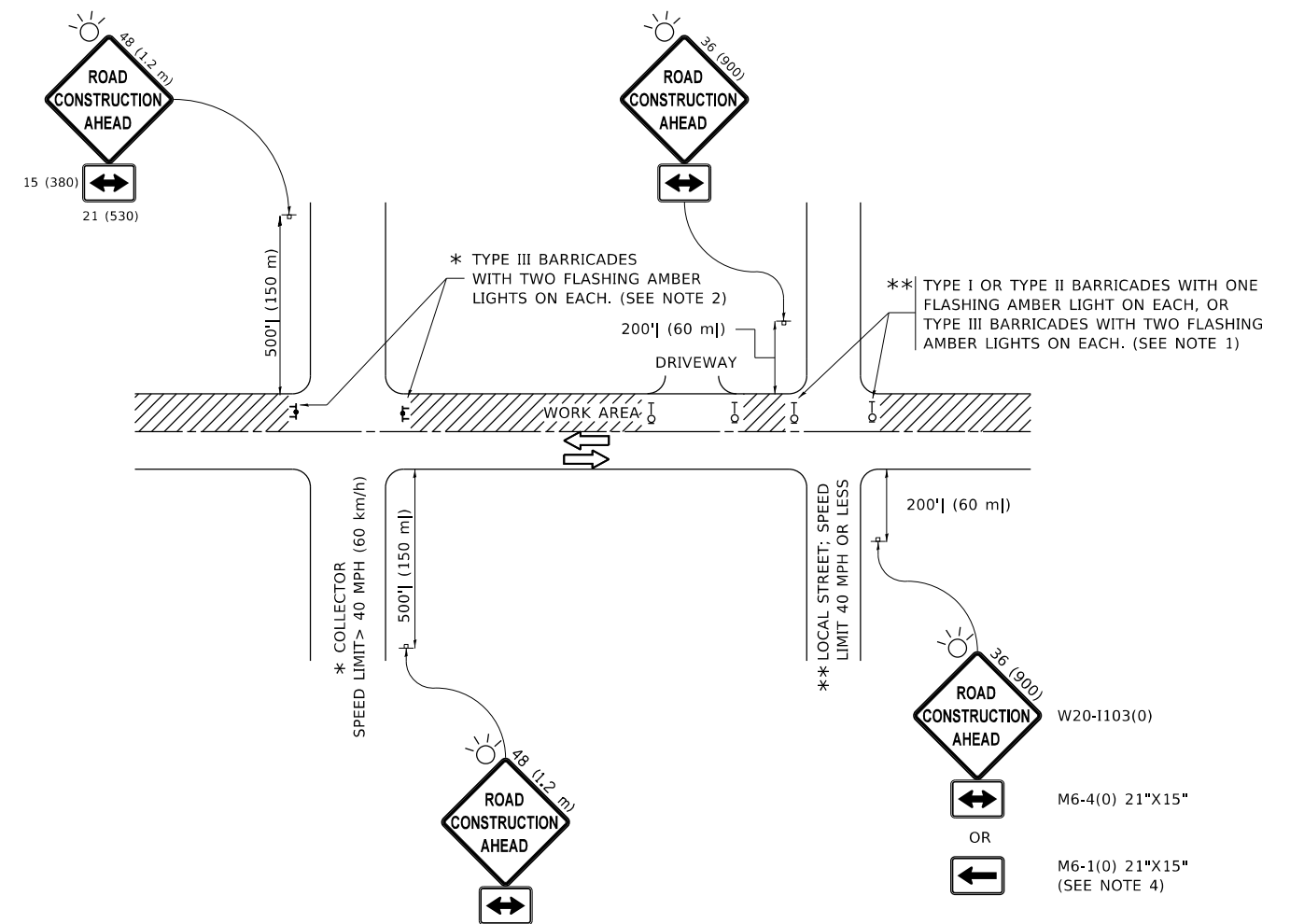
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PLOT DATE = 10/18/2019	DATE - 02-83	REVISED - M.D._06-13
		REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE_AND_EXIT_RAMP
CLOSURE_DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	40
TC-08			CONTRACT NO. 62H96	
ILLINOIS		FED. AID PROJECT		



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.

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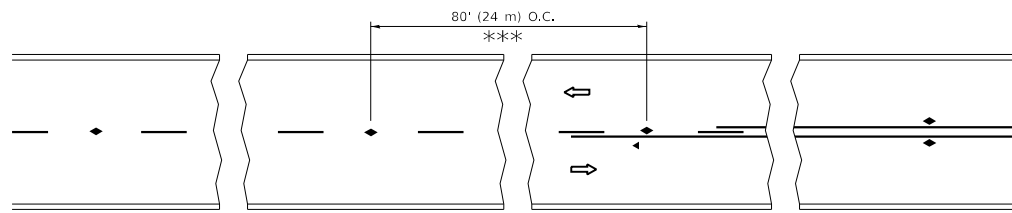
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 10/18/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

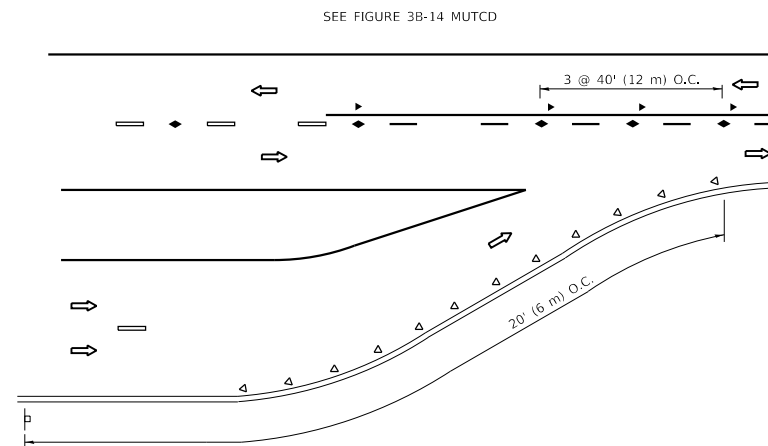
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62H96	
ILLINOIS FED. AID PROJECT				

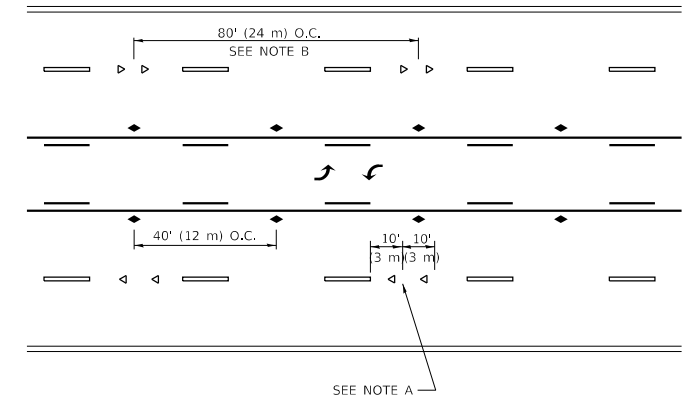


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

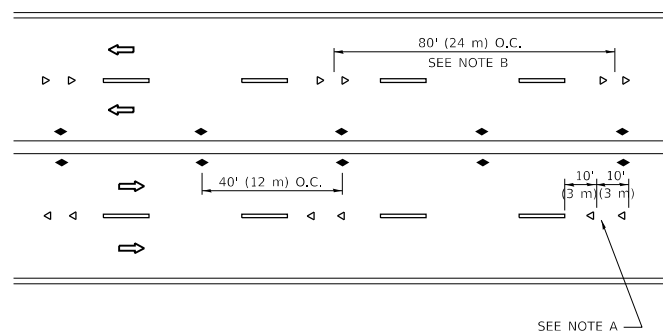
TWO-LANE/TWO-WAY



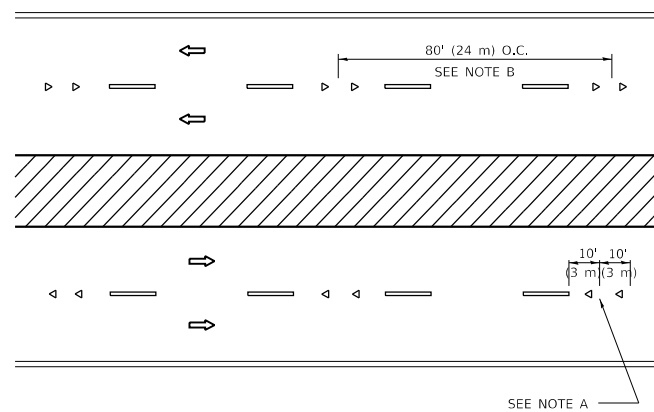
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

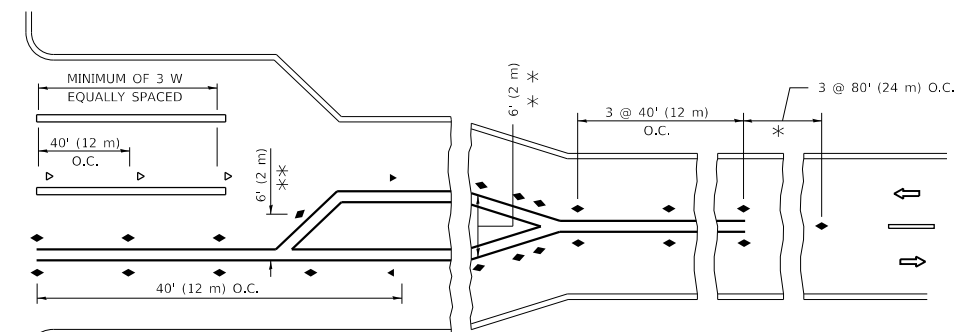
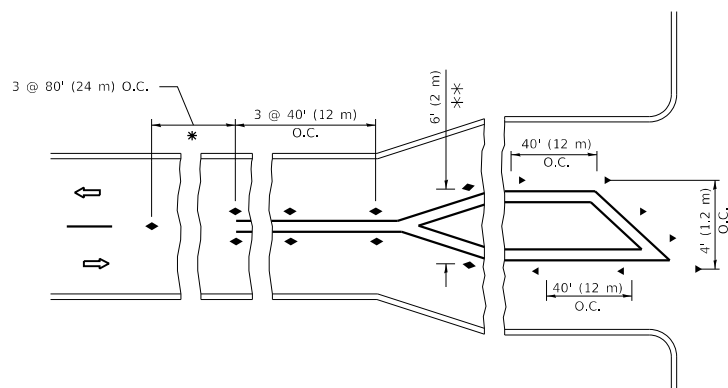
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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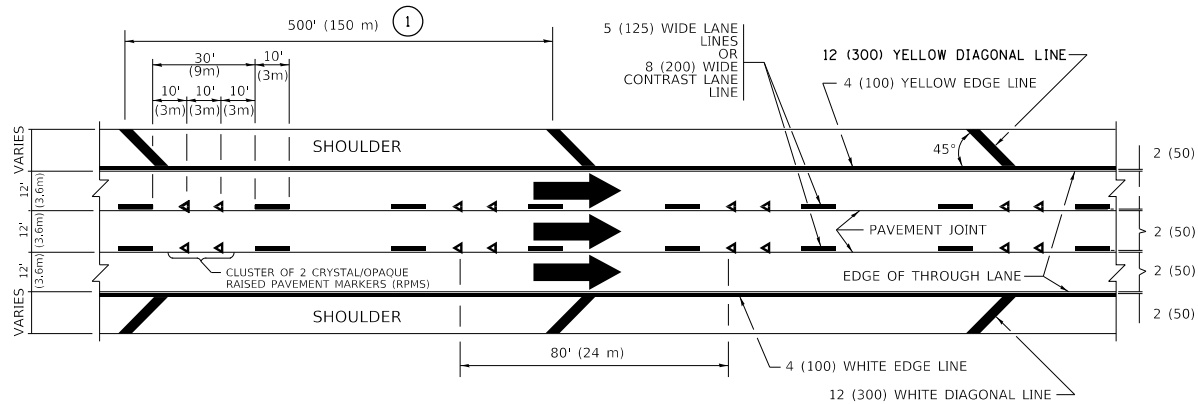
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 10/18/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**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.

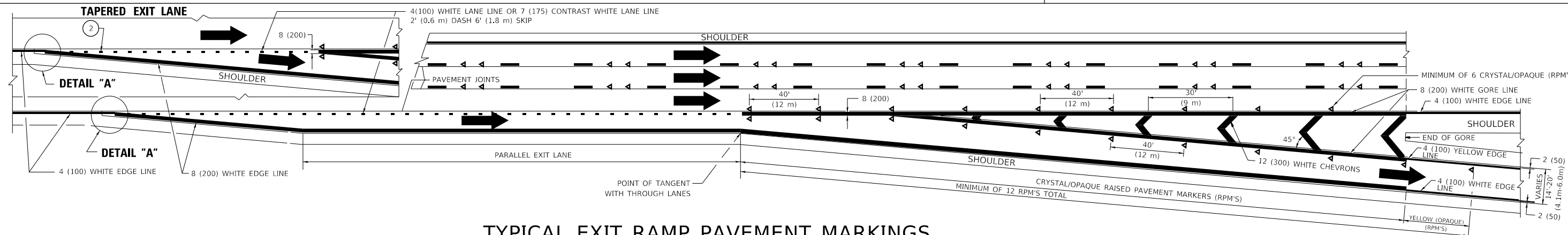
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	42
TC-11		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



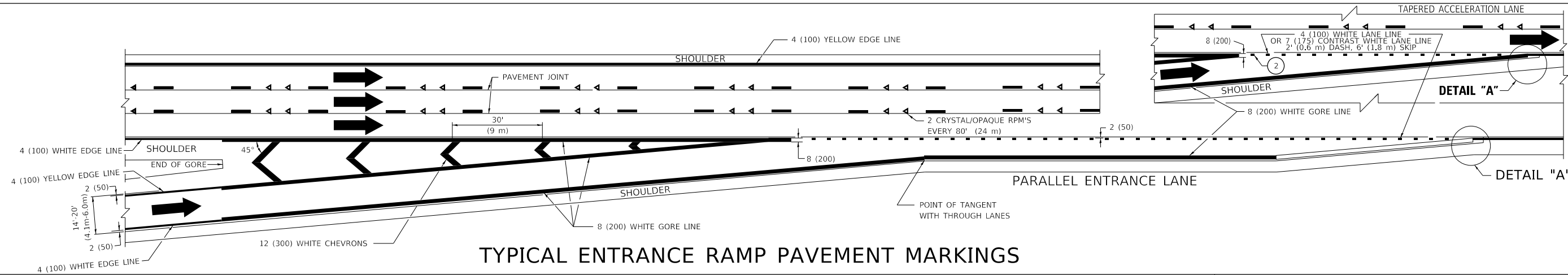
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

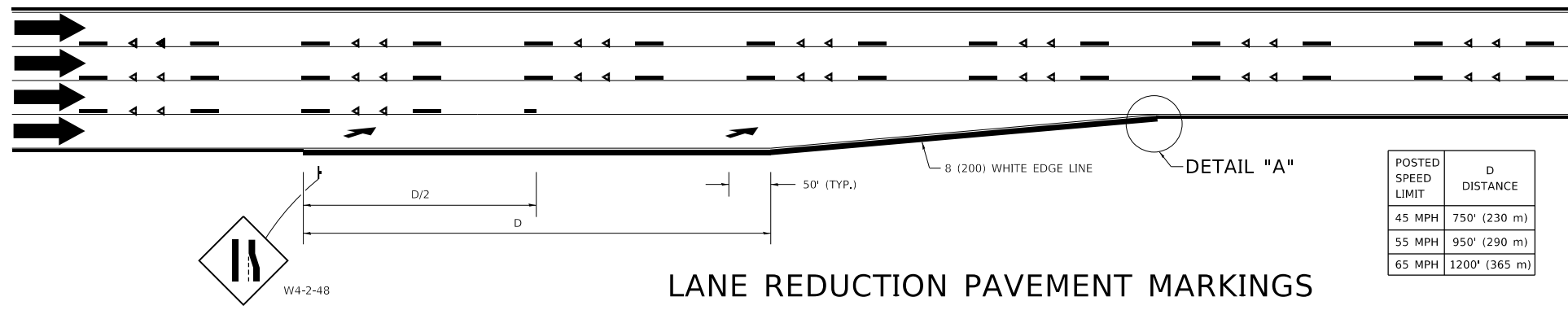
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

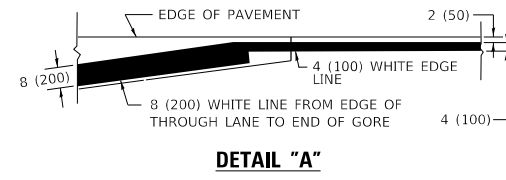


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:**
- 1 THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - 2 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

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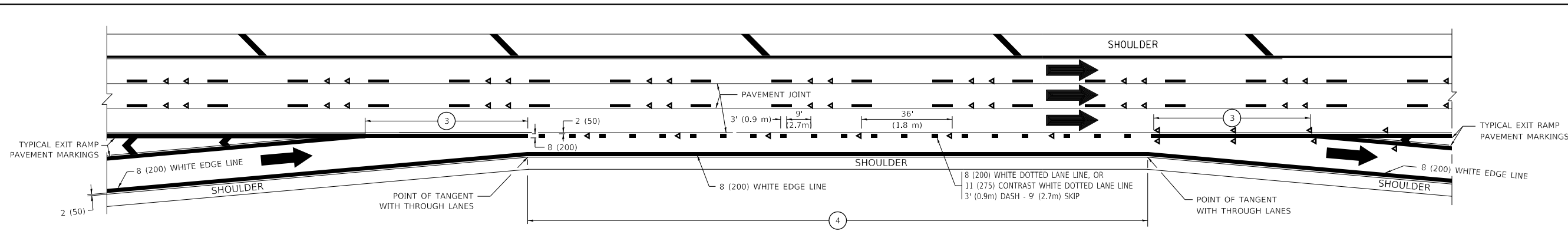
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PLOT DATE = 10/18/2019	CHECKED -	REVISED - M.D. 05-13
	DATE - 01-90	REVISED - M.D. 09-17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

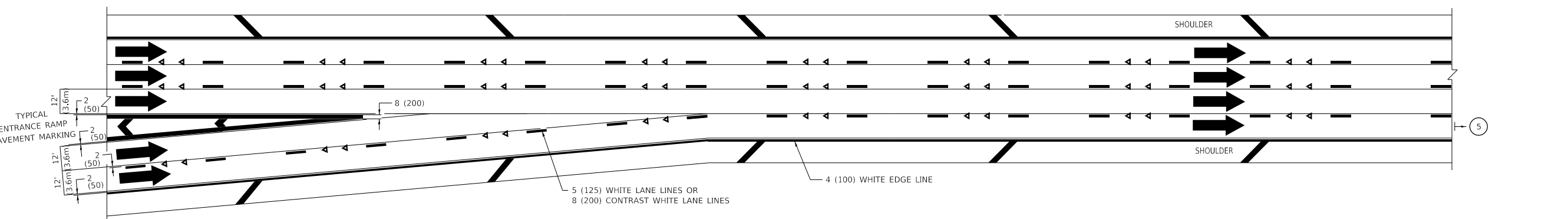
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

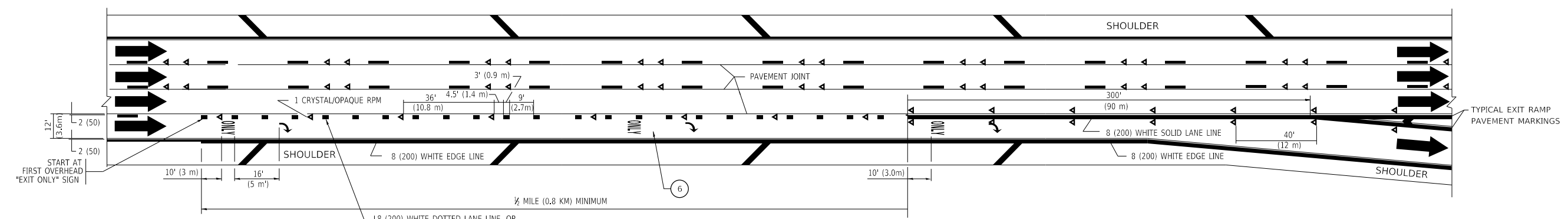
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TC-12		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



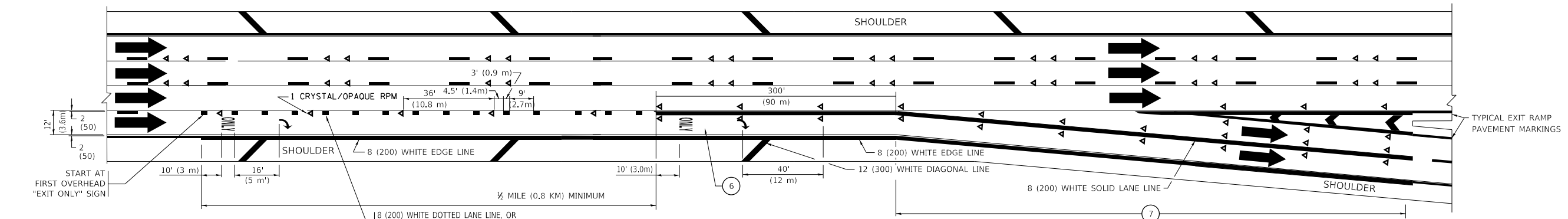
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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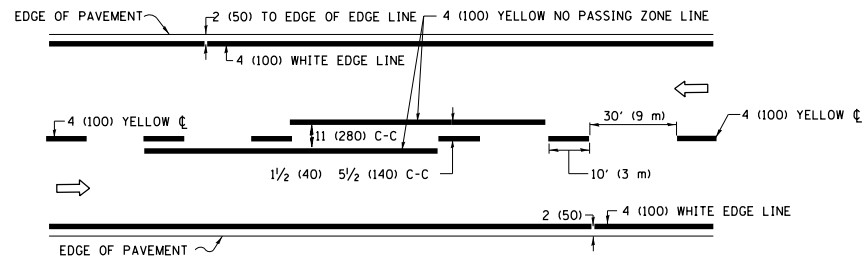
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PLOT DATE = 10/18/2019	DATE - 01-90	REVISED - S.P.B. 01-10
		REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

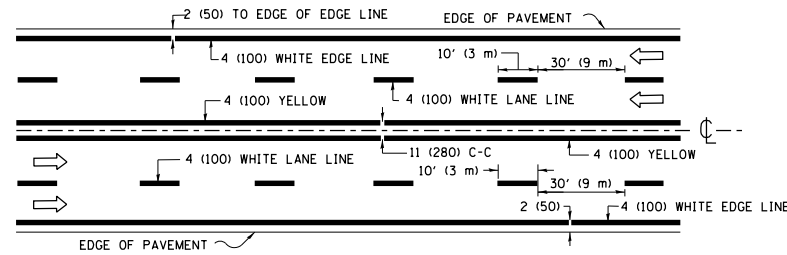
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

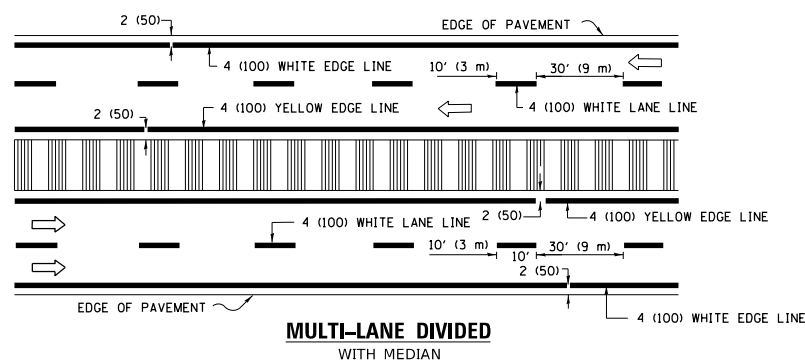
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350/94	2019-019-R5	COOK	50	44
TC-12		CONTRACT NO. 62H96		
		ILLINOIS FED. AID PROJECT		



2-LANE ROADWAY

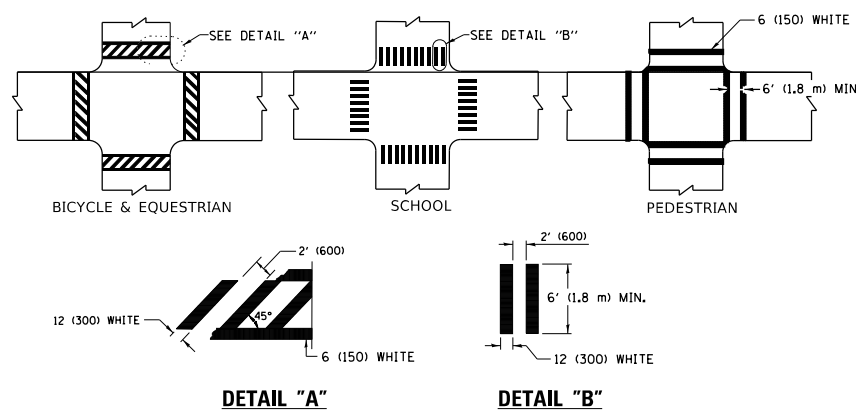


MULTI-LANE UNDIVIDED



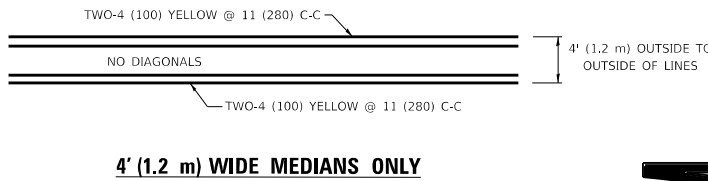
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

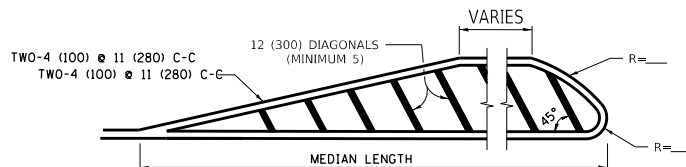


TYPICAL CROSSWALK MARKING

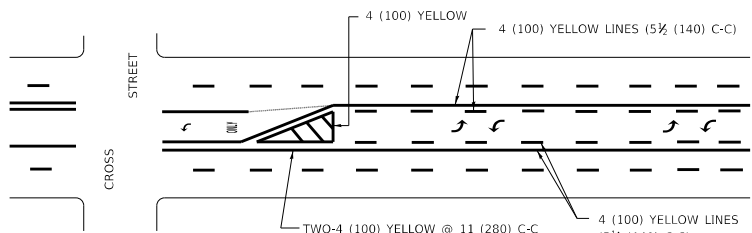
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



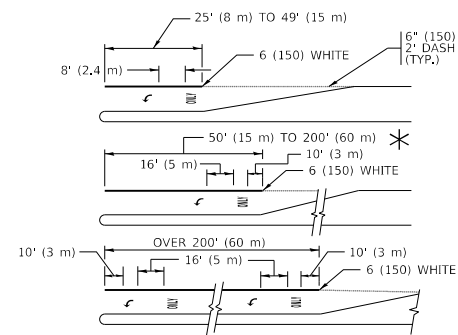
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



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

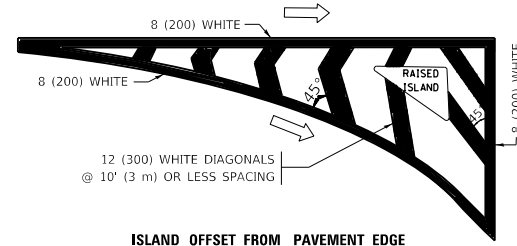


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

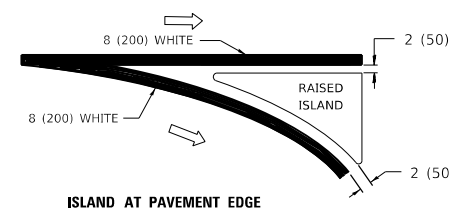
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

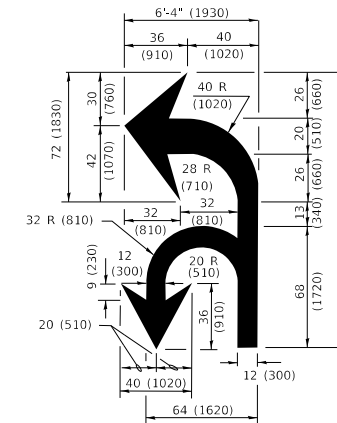


ISLAND OFFSET FROM PAVEMENT EDGE

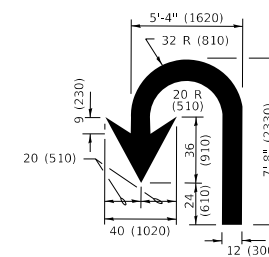


ISLAND AT PAVEMENT EDGE

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.

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 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.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-RS	COOK	50	45
TC-13		CONTRACT NO.	62H96	

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

USER NAME = khanms	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 10/18/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

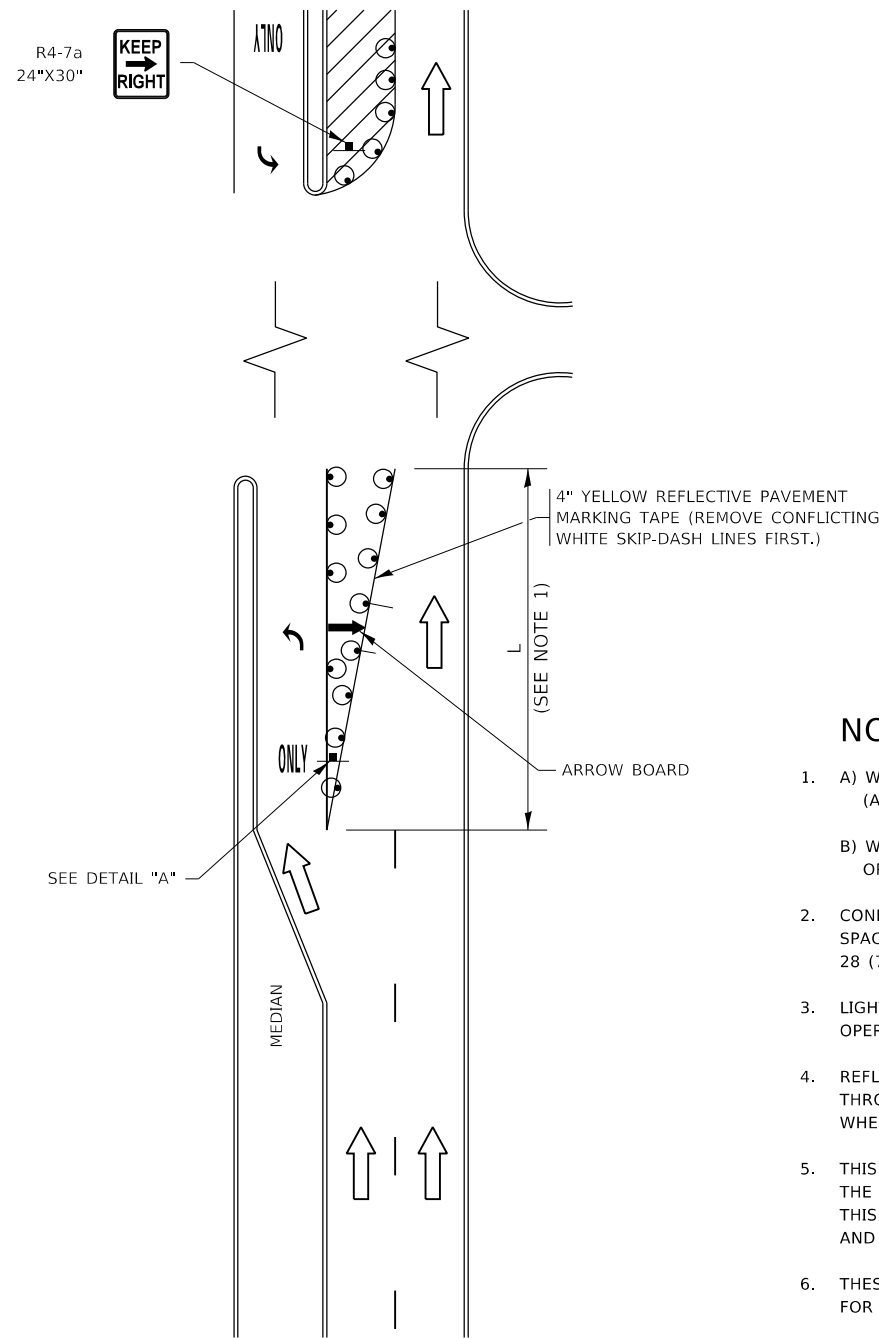


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

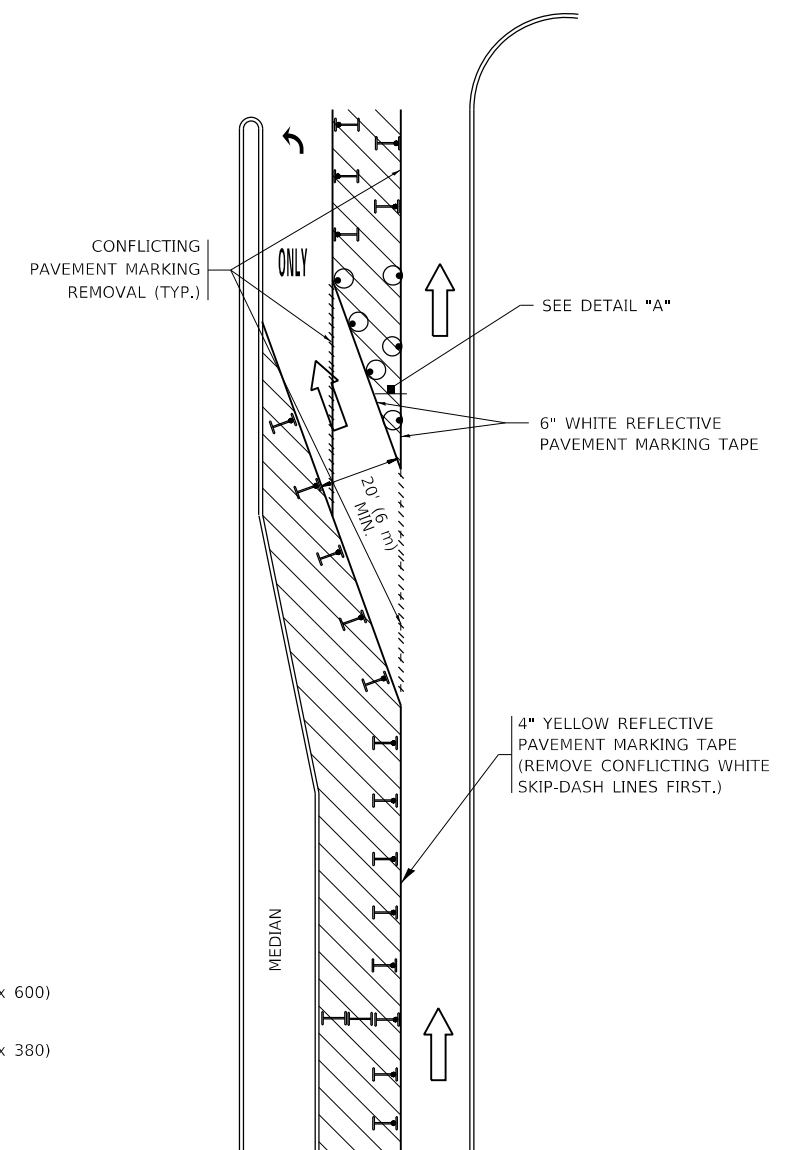
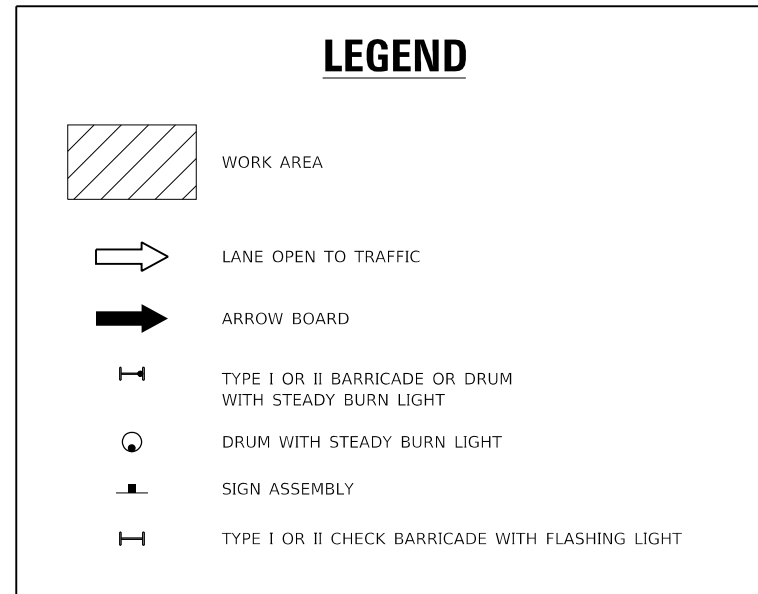
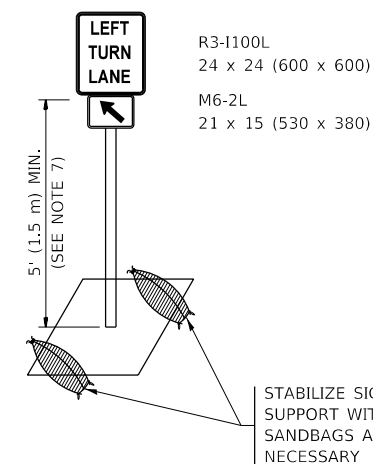


FIGURE 2



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.



DETAIL A

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

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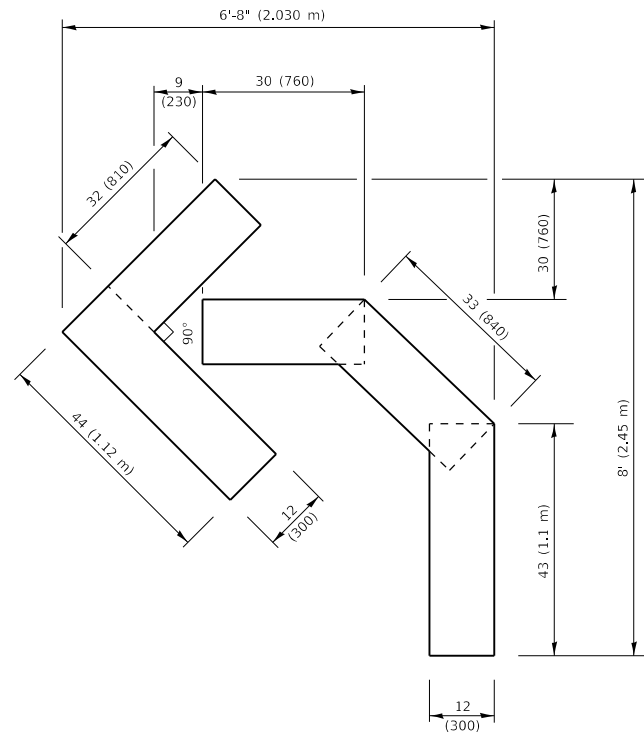
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PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 10/18/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

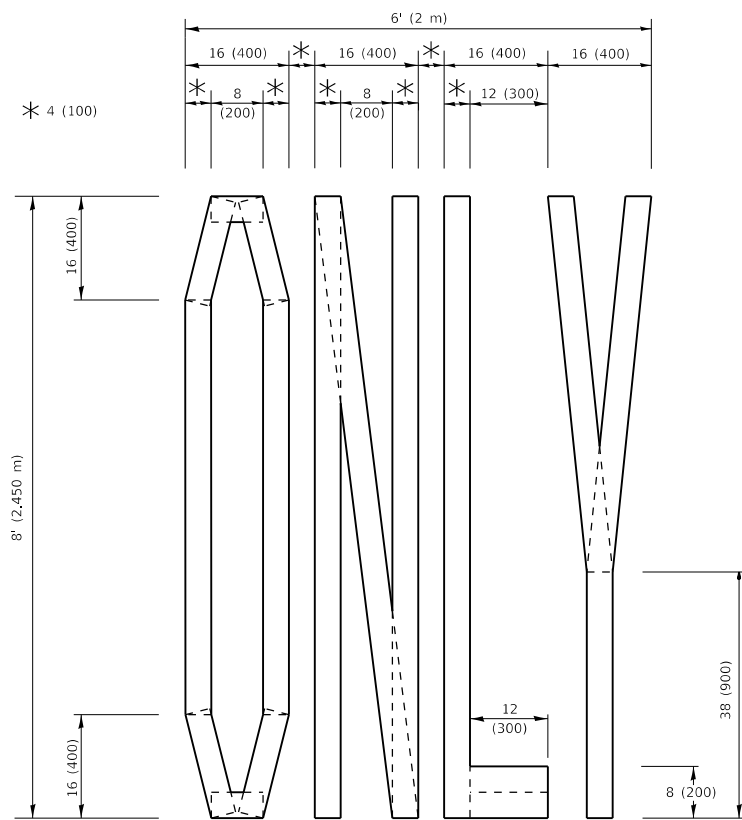
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



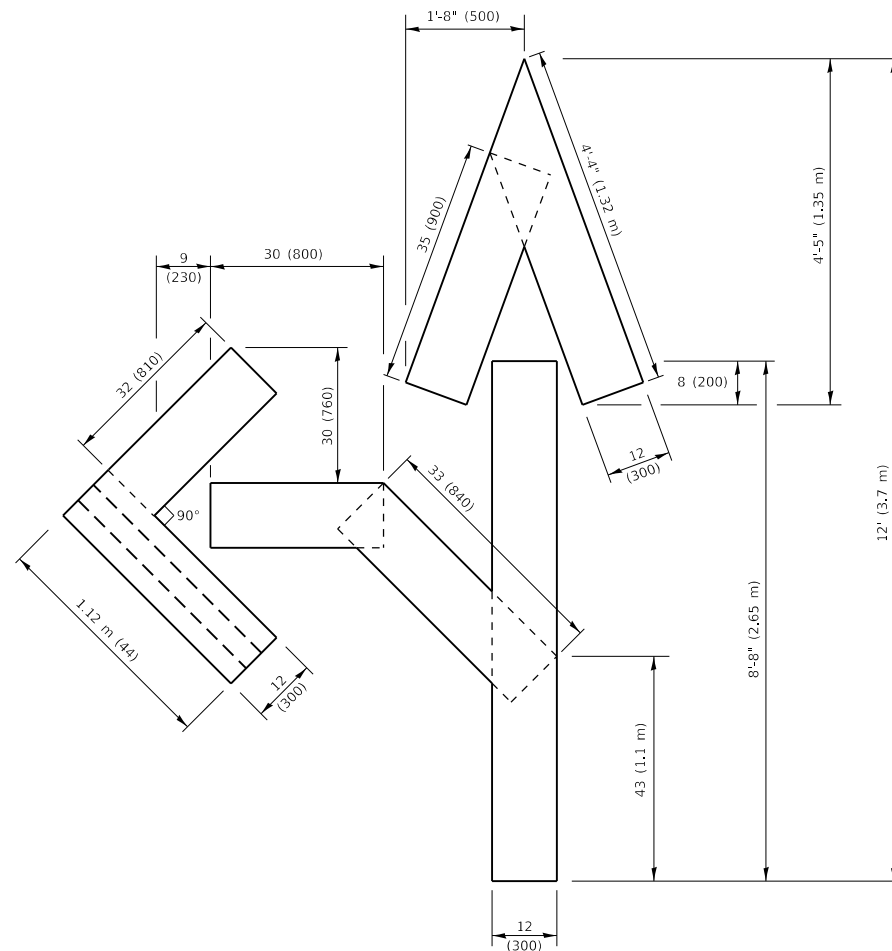
QUANTITY

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



QUANTITY

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

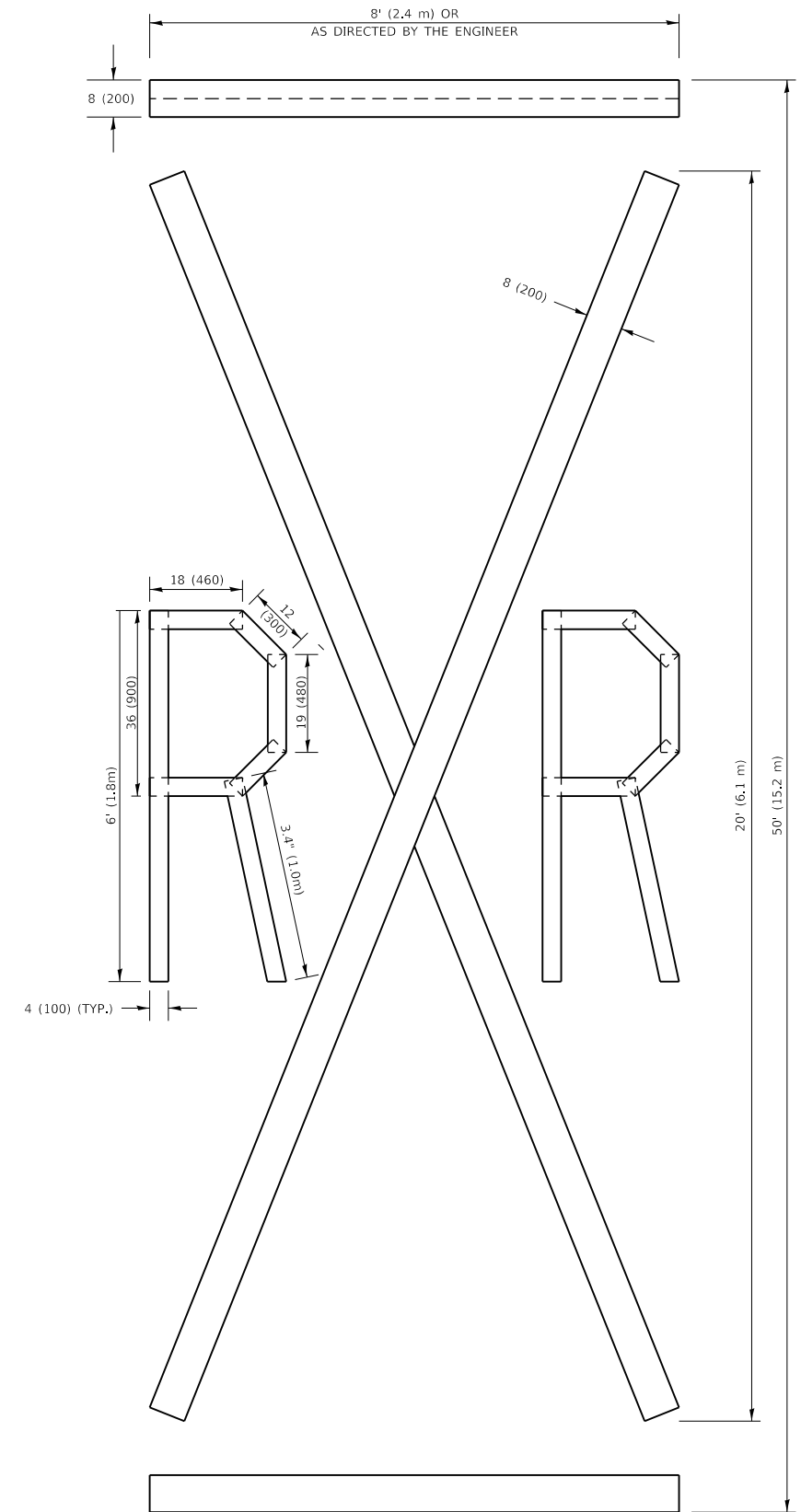


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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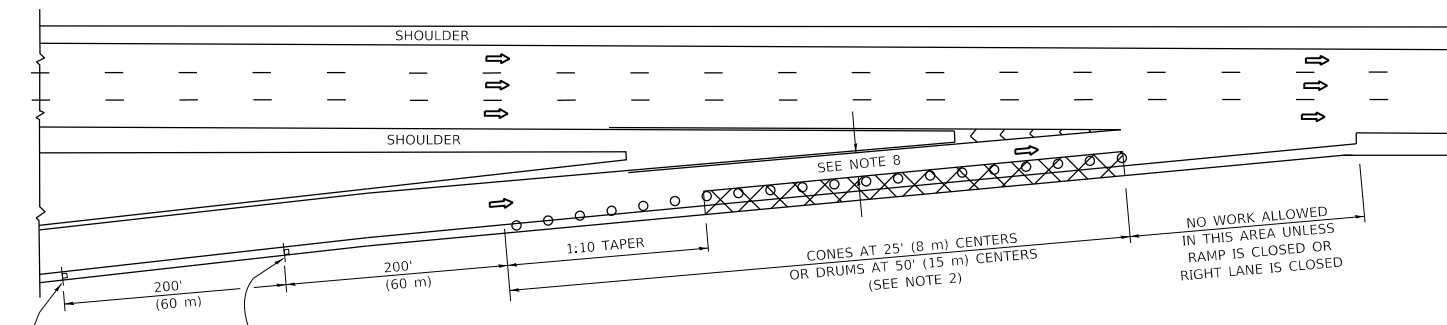
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

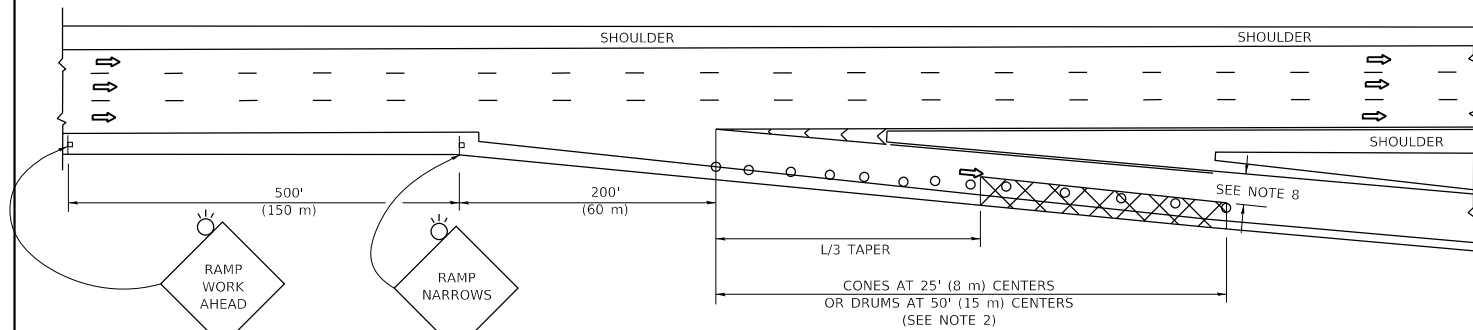
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-16		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

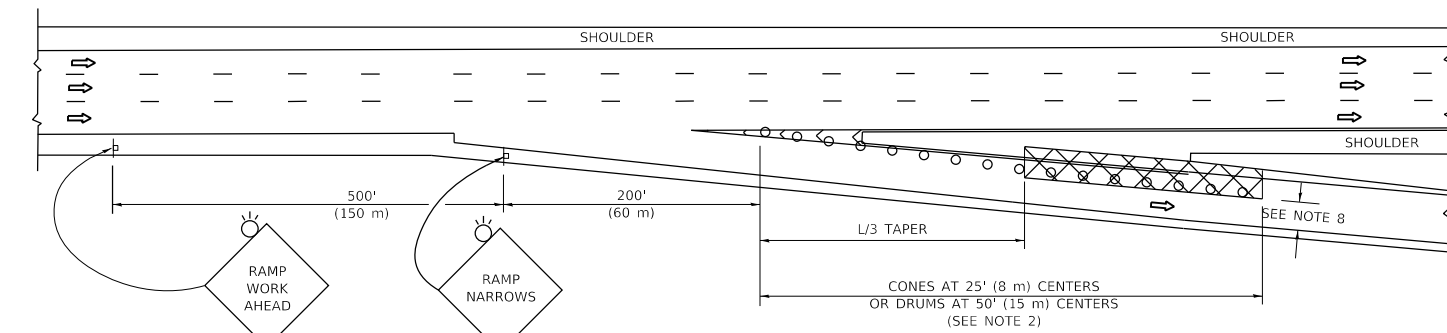
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

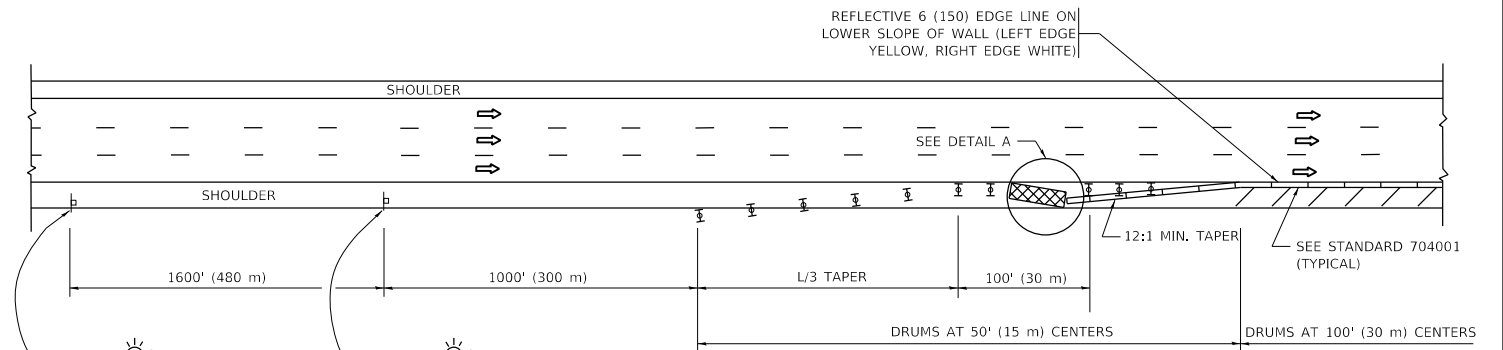
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

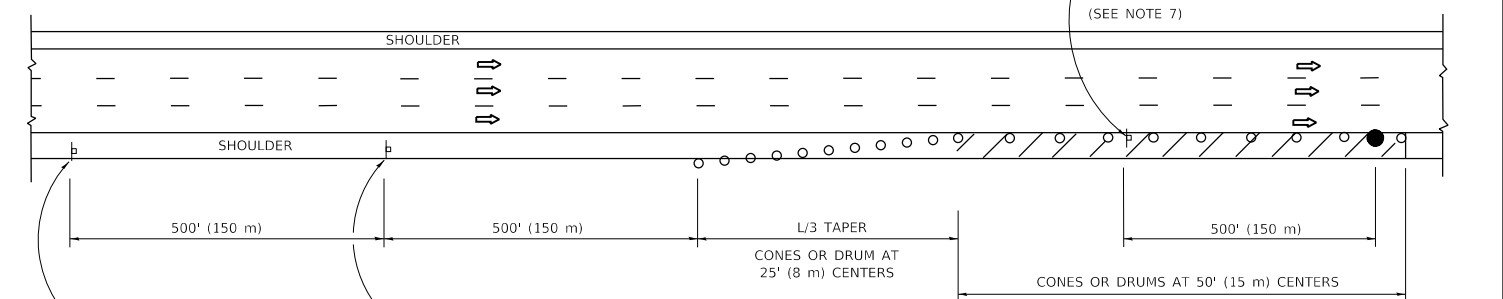
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(WXS)$ $L=(WXS)$
	$W =$ WIDTH OF OFFSET IN FEET (METERS)
	$S =$ NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

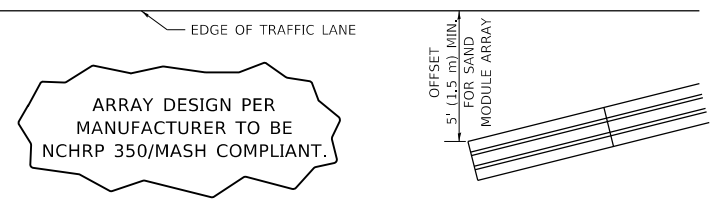


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
 16' MIN. WIDTH CURVE SECTION.

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

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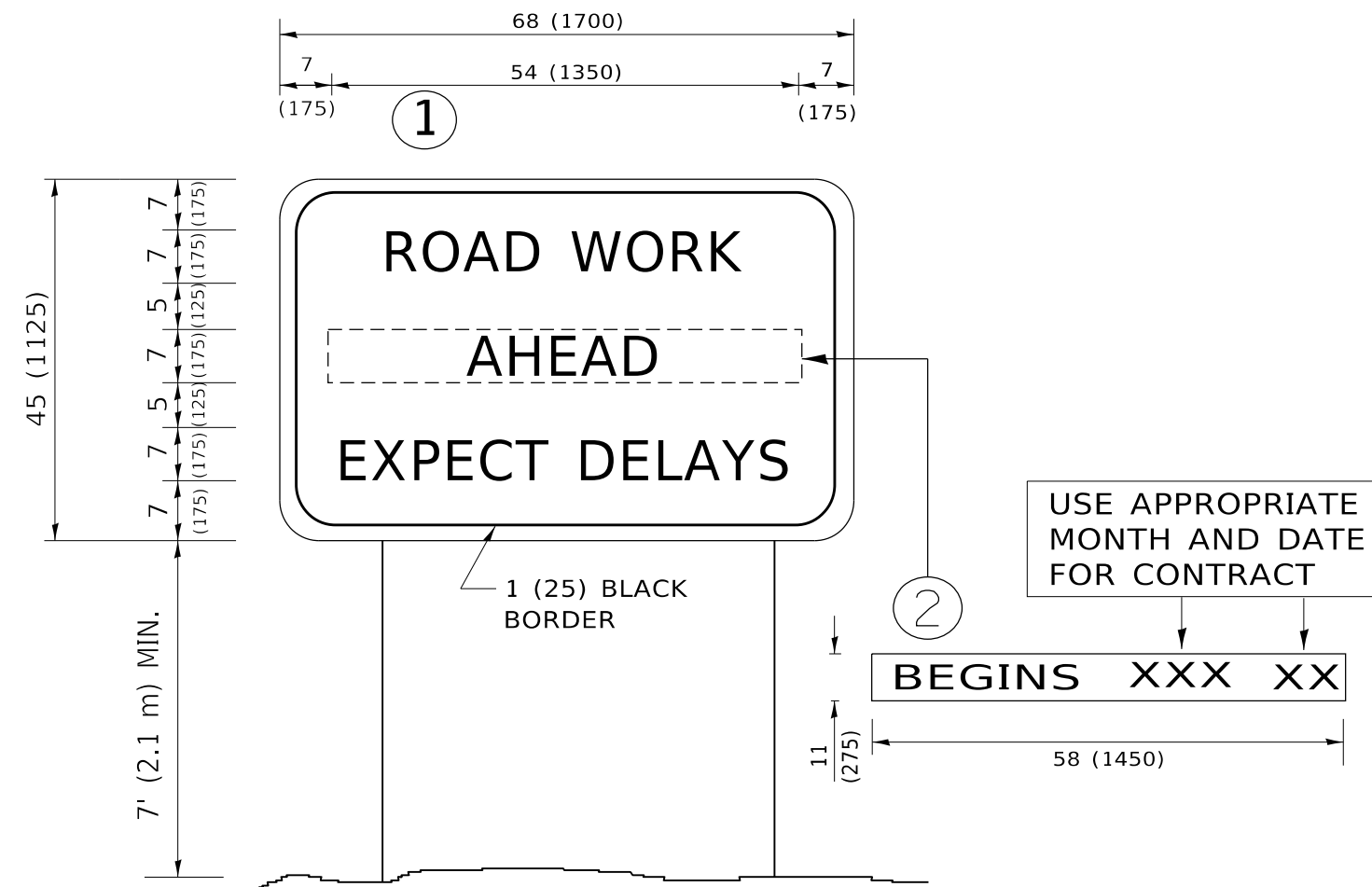
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 10/18/2019	DATE - 11-96	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	48
TC-17		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: Default
 FILE: \\harris-prod\pub\harris.com\data\illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\114019\CADD\data\Design\DESIGN.dgn

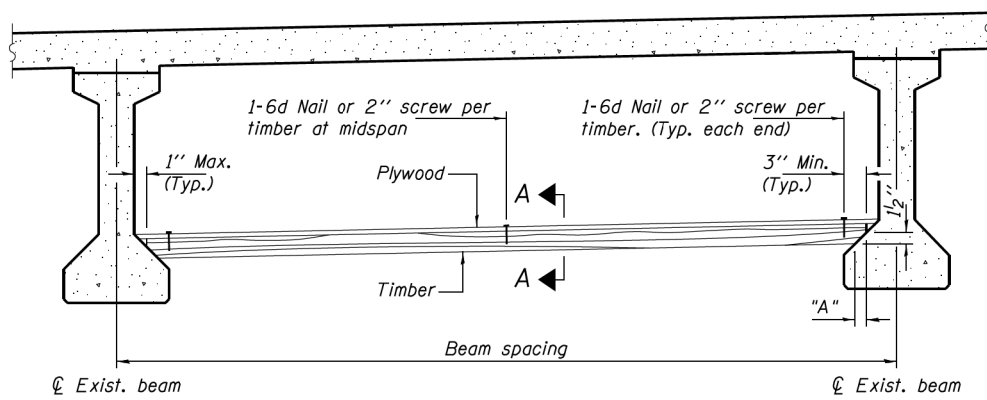
USER NAME = khanms	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 10/18/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

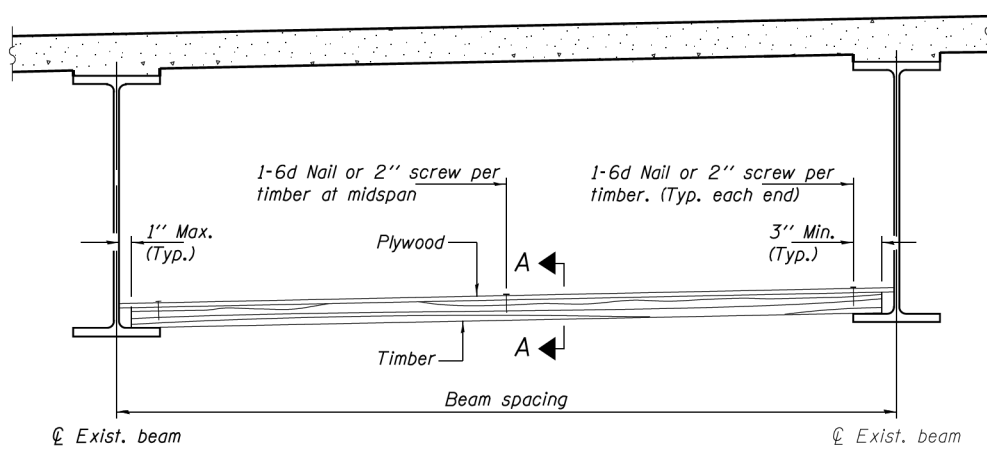
**ARTERIAL ROAD
INFORMATION SIGN**

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

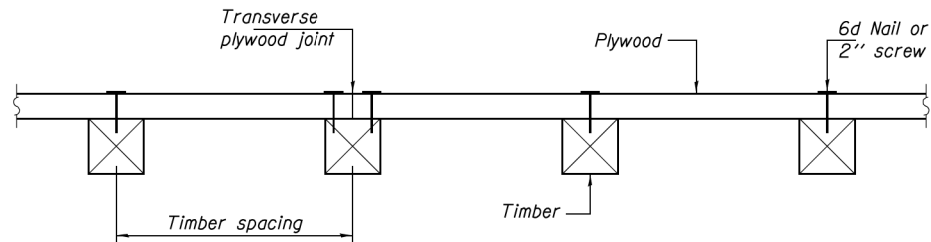
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	49
TC-22		CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT		



PPC I-BEAMS AND BULB-T's



STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

PPC I-BEAMS AND BULB-T's

BEAM	"A"
36" I-Beam	1 1/2"
42" I-Beam	1 1/2"
48" I-Beam	1 1/2"
54" I-Beam	1 5/8"
63" Bulb-T	3 3/8"
72" Bulb-T	3 3/8"

Notes: See special provision for Permanent Protective Shield System.
 Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.
 The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be 5/8" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	885

FOR BEAM SPACING SEE FRAMING PLAN SHEET # 32A

PERMANENT PROTECTIVE SHIELD

MODEL: Default
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USER NAME = gorenautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/26/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-94 SB OFF RAMP TO U.S. 41 (SN 016-0167)
 BRIDGE DECK PATCHING, PERMANENT PROTECTIVE SHIELD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-RS	COOK	50	50
				CONTRACT NO. 62H96
				ILLINOIS FED. AID PROJECT