

186

03-06-2020 LETTING ITEM 186

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

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

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

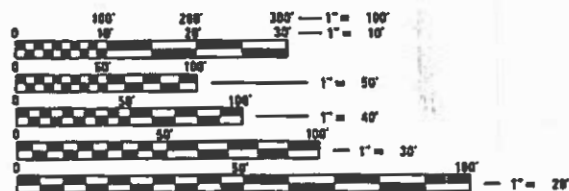
C-91-344-19

R 13 E

TRAFFIC DATA

2014 ADT: 18,800

POSTED SPEED: 40 MPH

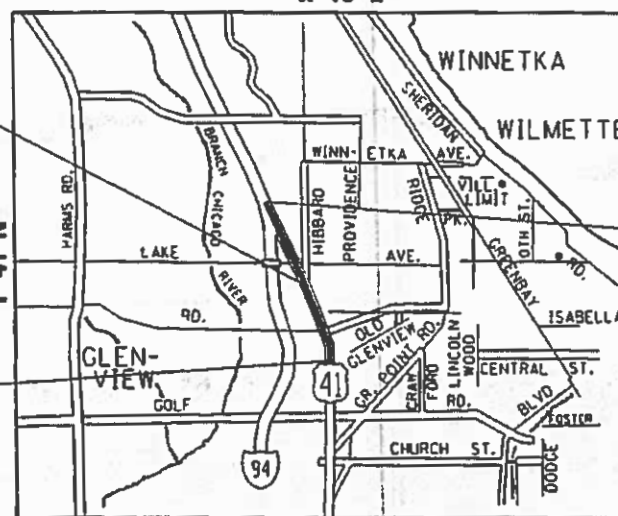


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

PROJECT BEGINS
STA 07+94



PROJECT ENDS
STA 95+89

NEW TRIER TOWNSHIP

GROSS LENGTH = 11088 FT = 2.1 MILE

NET LENGTH = 10040 FT = 1.9 MILE

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

CONTRACT NO. 62H96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: June 24, 2019

Anthony J. Buckley REGIONAL ENGINEER

Dec 20 2019

Dec 20 2019 ENGINEER OF DESIGN AND ENVIRONMENT

Paul C. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVERSHEET
2	INDEX OF SHEETS & STATE STANDARDS
3	GENERAL NOTES
4 - 7	SUMMARY OF QUANTITIES
8 - 9	EXISTING & PROPOSED TYPICAL SECTIONS
10 - 15	ROADWAY & PAVEMENT MARKING PLANS
16 - 20	DETECTOR LOOP PLANS
21 - 31	ADA DETAILS
32-32B	BRIDGE DECK PATCHING
33 - 34	DETOUR PLAN FROM SB I-94 EXIT RAMP
35	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
36	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
37	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
38	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
39	COOK COUNTY DETECTABLE WARNINGS
40	ENTRANCE AND EXIT RAMP CLOSURE DETAIL (TC-08)
41	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
42	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
43-44	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
45	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
46	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC14)
47	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
48	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
49	ARTERIAL ROAD INFORMATION SIGN (TC-22)
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

MODEL: Default
 FILE NAME: P:\uplanroom.dat\illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\14019\CADD\data\Design\14019_sht-egenstate.dgn

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.	ILLINOIS	FED. AID PROJECT
PLOT DATE = 10/18/2019	DATE -	REVISED -										

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				

FILE NAME =	USER NAME = khamms	DESIGNED -	REVISED -
pw:\planroom\dtd\illinois\gov\PIWDOT\Documents\DOT	Offices\District N\Projects\DI409\CADData\Design\DI409-sh-	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2019	DATE -	REVISED -

**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												

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				*								

FILE NAME =	USER NAME = khams	DESIGNED -	REVISED -
pw:\planroom\dtd\illinois\gov\PIWDOT\Documents\DOT	Offices\District\Projects\DI-40\9\CADData\Design\DI409-st-	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

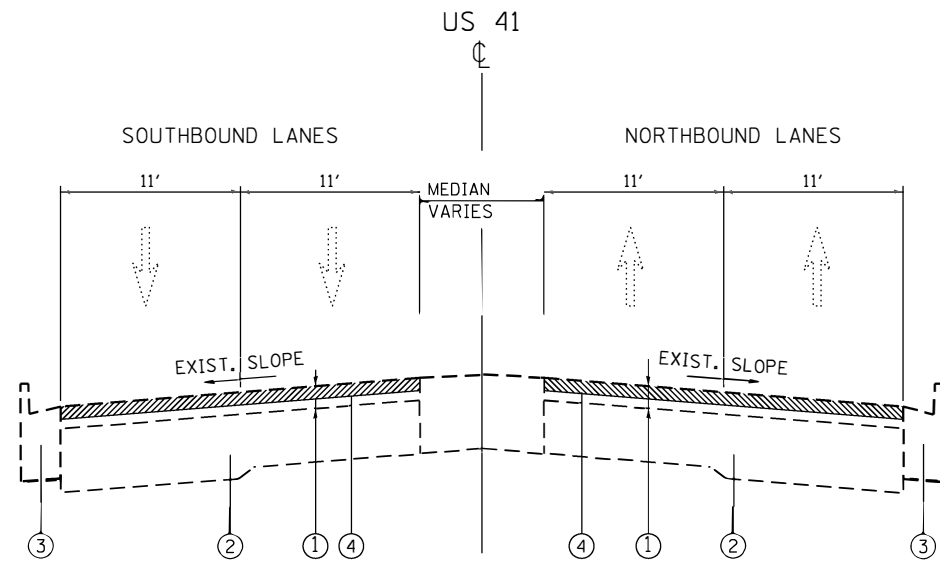
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-RS-019	COOK	50	6
FAP 350 & FAI 94	CONTRACT NO. 62H96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

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

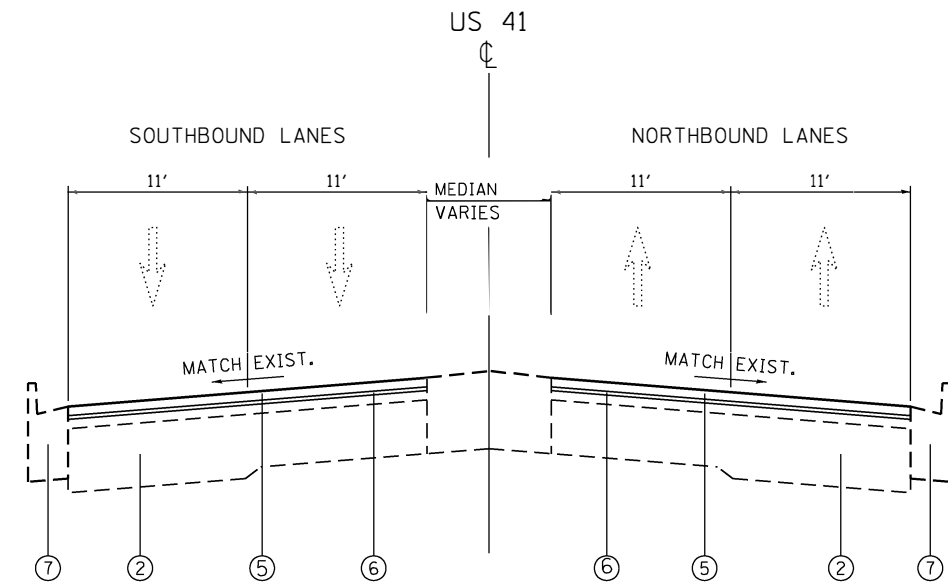
* SPECIALITY ITEMS; △ NON-PARTICIPATING ITEMS

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	466	466			
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			

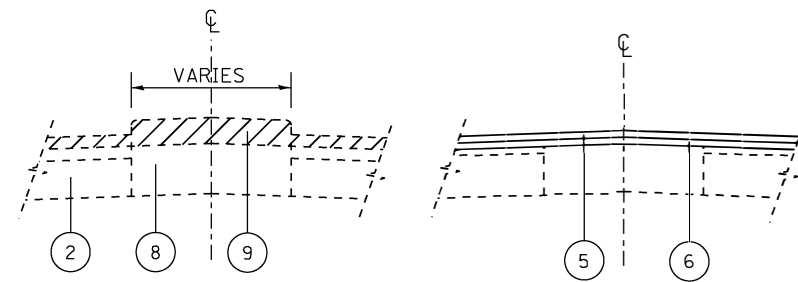
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		US 41 80% FED/ 20% STATE 0005	I-94 SB RAMP 80% FED/ 20% STATE 0013	US 41 100% STATE 0005	
Z0015550	DEBRIS REMOVAL	CU YD	7	7			
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	75	75			
Z0016200	DECK SLAB 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:

- THE CONTRACTOR SHALL MILL FIRST THEN PATCH
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER WHERE THE SURFACE JOINT WILL BE LOCATED.
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112/LBS/SQYD/IN.
- 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.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

MODEL: Default
FILE: MainE_PlanRoom.dwg
PROJECT: I:\Projects\14019\CADD\Drawings\14019-ent-hwy-csa.dgn

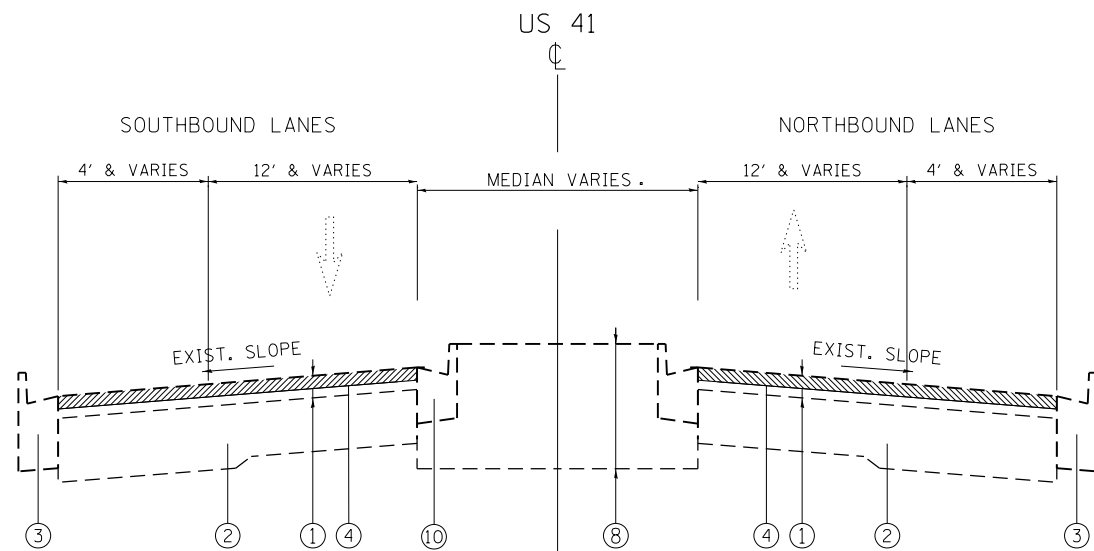
USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**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			



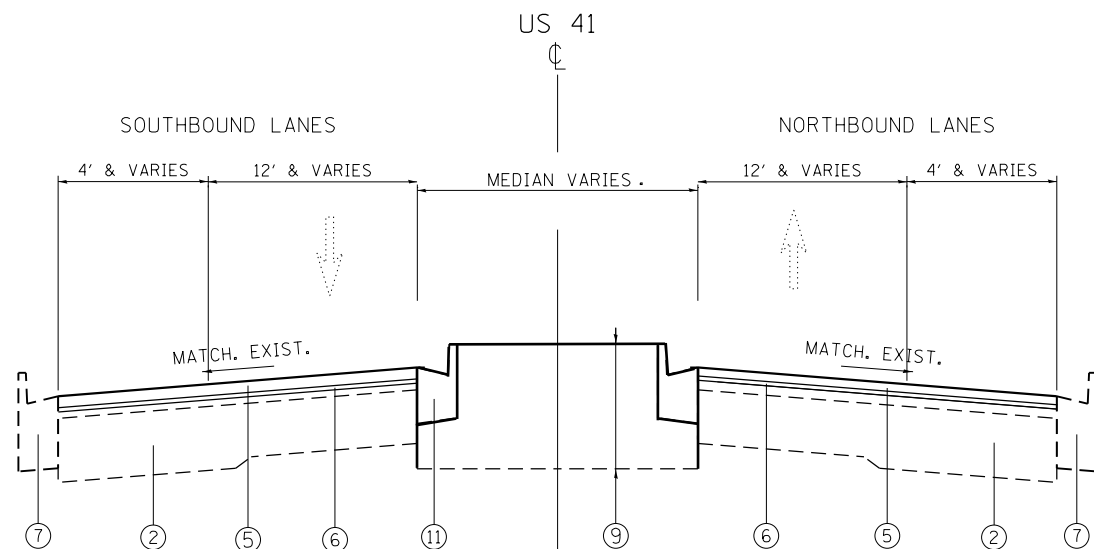
EXISTING TYPICAL SECTION
STA 83+10 TO STA 95+89

LEGEND:

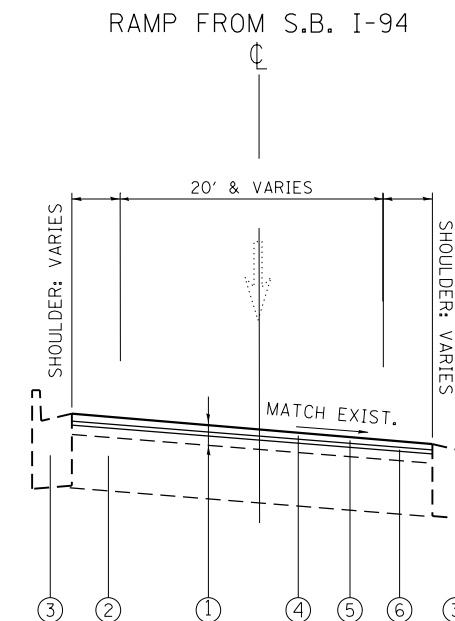
- ① EXIST. HOT-MIX ASPHALT SURFACE COURSE (BEFORE MILLING), 7''(±)
- ② PORTLAND CEMENT CONCRETE PAVEMENT 9'' (±)
- ③ COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2.5''
- ⑤ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E" N70 1.75''
- ⑥ PROP. POLYMERIZED 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

MODEL: Default
 FILE: h:\mfc_projects\p14019\cadd\data\Design\0114019_sht-ty-sec.dgn

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

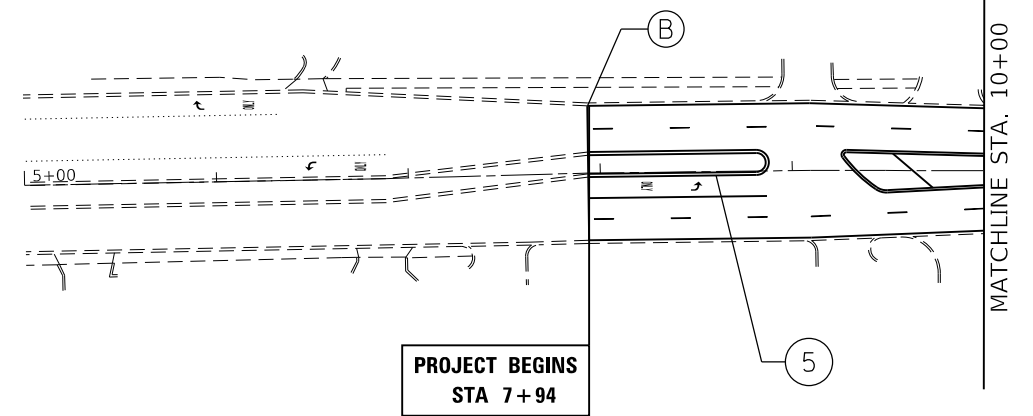
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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.)

MODEL: Default
 FILE: \\nlsr01\p\uplanroom\dat\illinois\pwr\WIDOT\Documents\DOT_Offices\District_1\Projects\114019\CaddData\Design\114019_sht-clbr.dgn

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

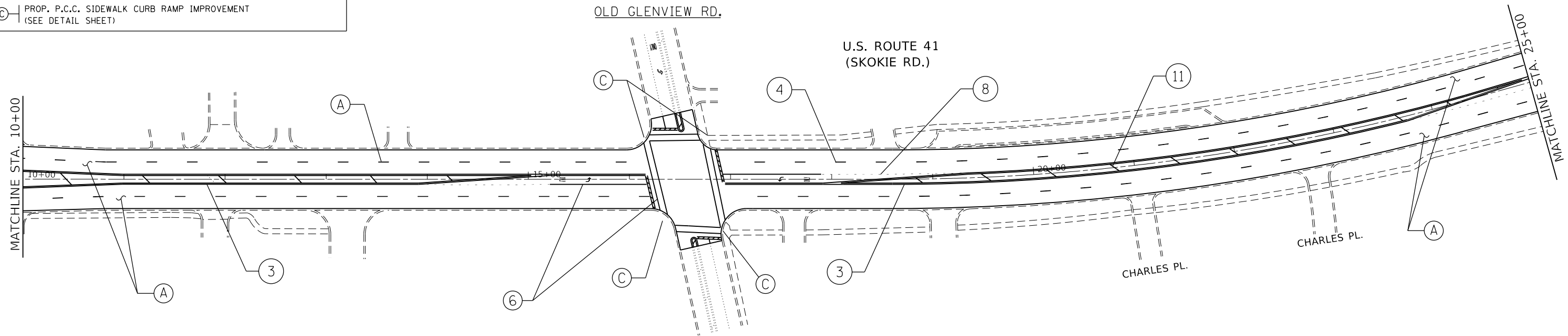
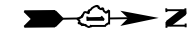
**U.S. ROUTE 41 (SKOKIE HWY) I-94 -S/O OLD GLENVIEW RD.
ROADWAY AND PAVEMENT MARKING PLAN**

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

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

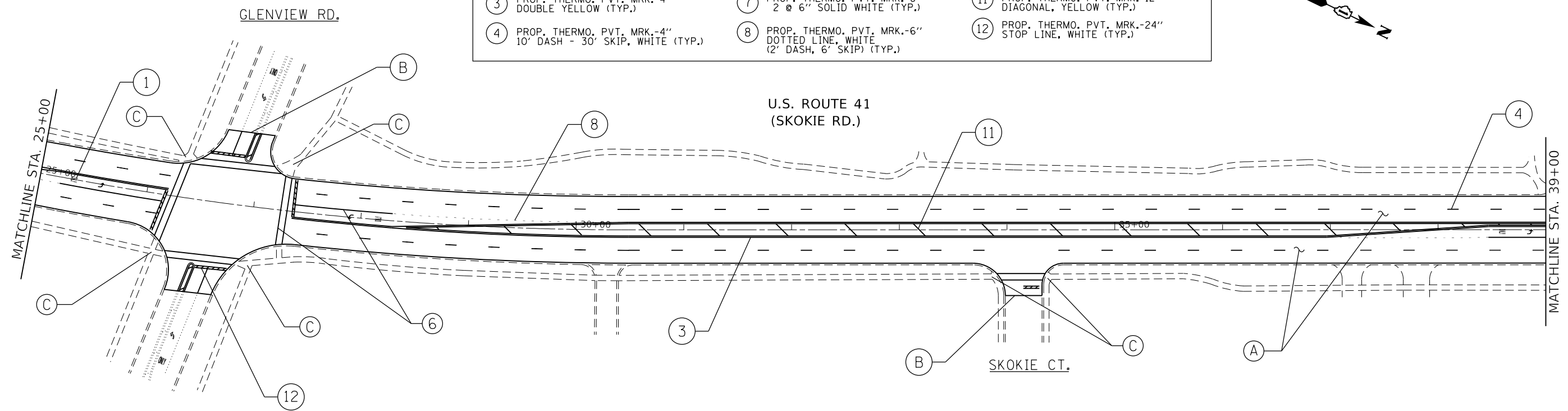
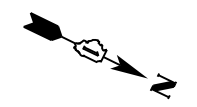
ROADWAY PROPOSED WORK LEGEND

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



MODEL: Default
 FILE: Model: PavementPlanRoom.dwg
 PROJECT: 114019-CADDData\Design\114019-sh-ct-lan.dgn

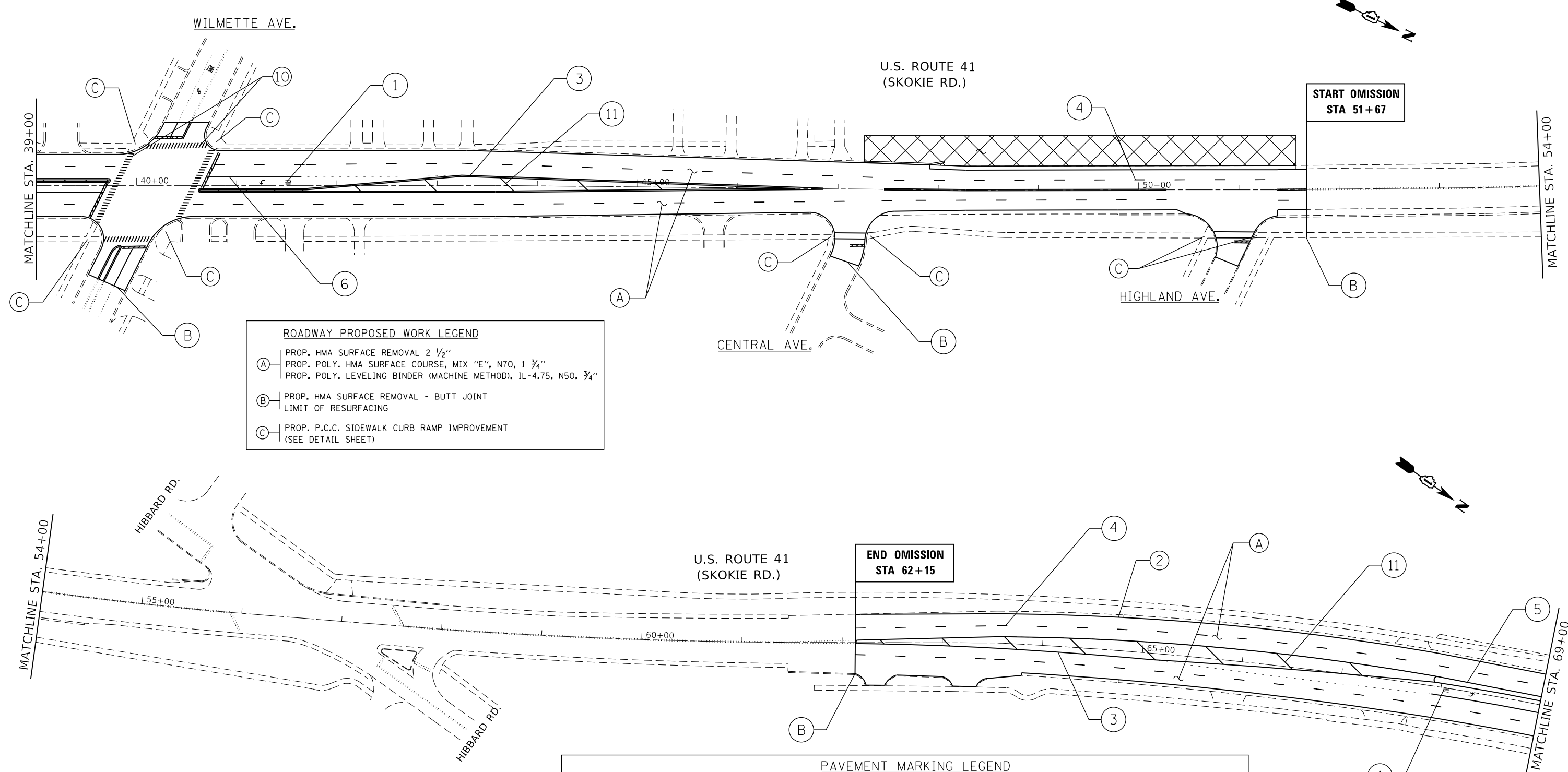
USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**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			



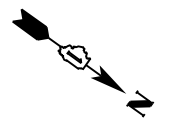
ROADWAY PROPOSED WORK LEGEND

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

SELECTIVE CLEARING



MODEL: Default
 FILE: h:\a\c\p\pub\barroom.dwg
 PROJECT: I:\Projects\114019\CADD\Drawings\DOT\Office\Drawings\114019-21-11-11-11.dwg
 PLOT DATE = 10/18/2019

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**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**

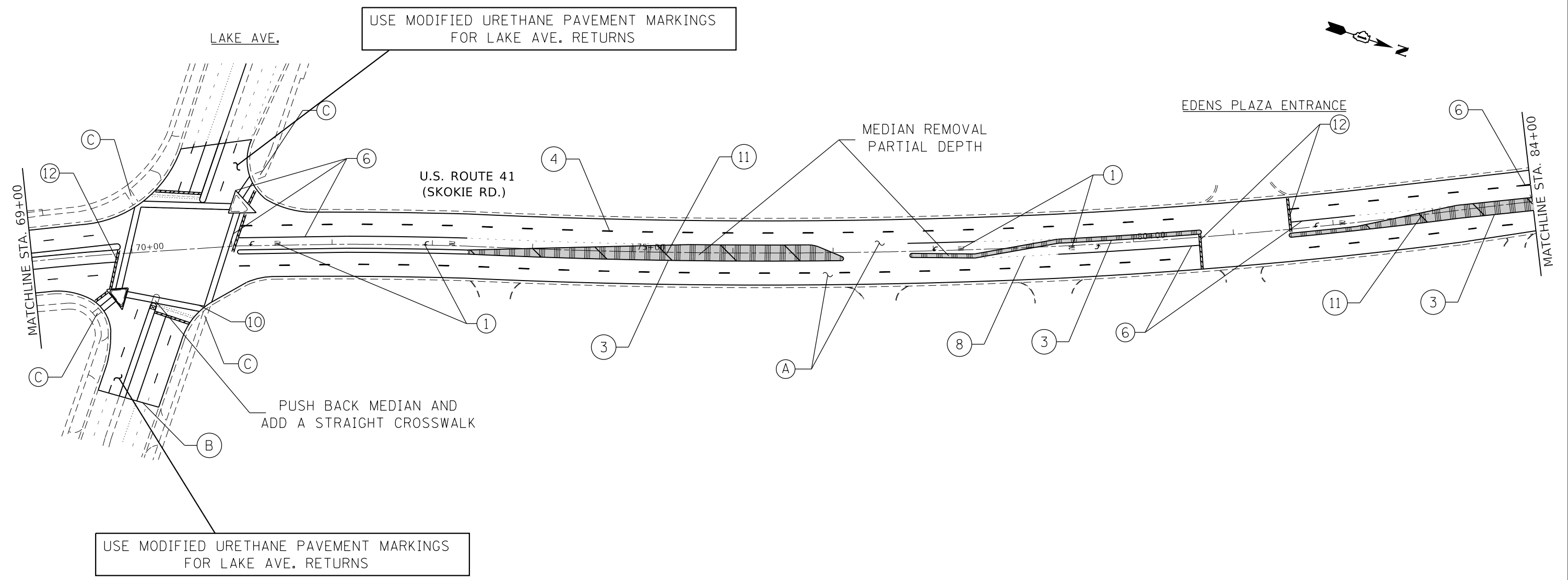
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2019-019-R5	COOK	50	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



MODEL: Default
 FILE: h:\mfc_p\pub\planroom.dwg
 PROJECT: I:\Projects\14019\CADD\Drawings\DOT_Offices\Drawings\14019-sh-41a-01.dwg

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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

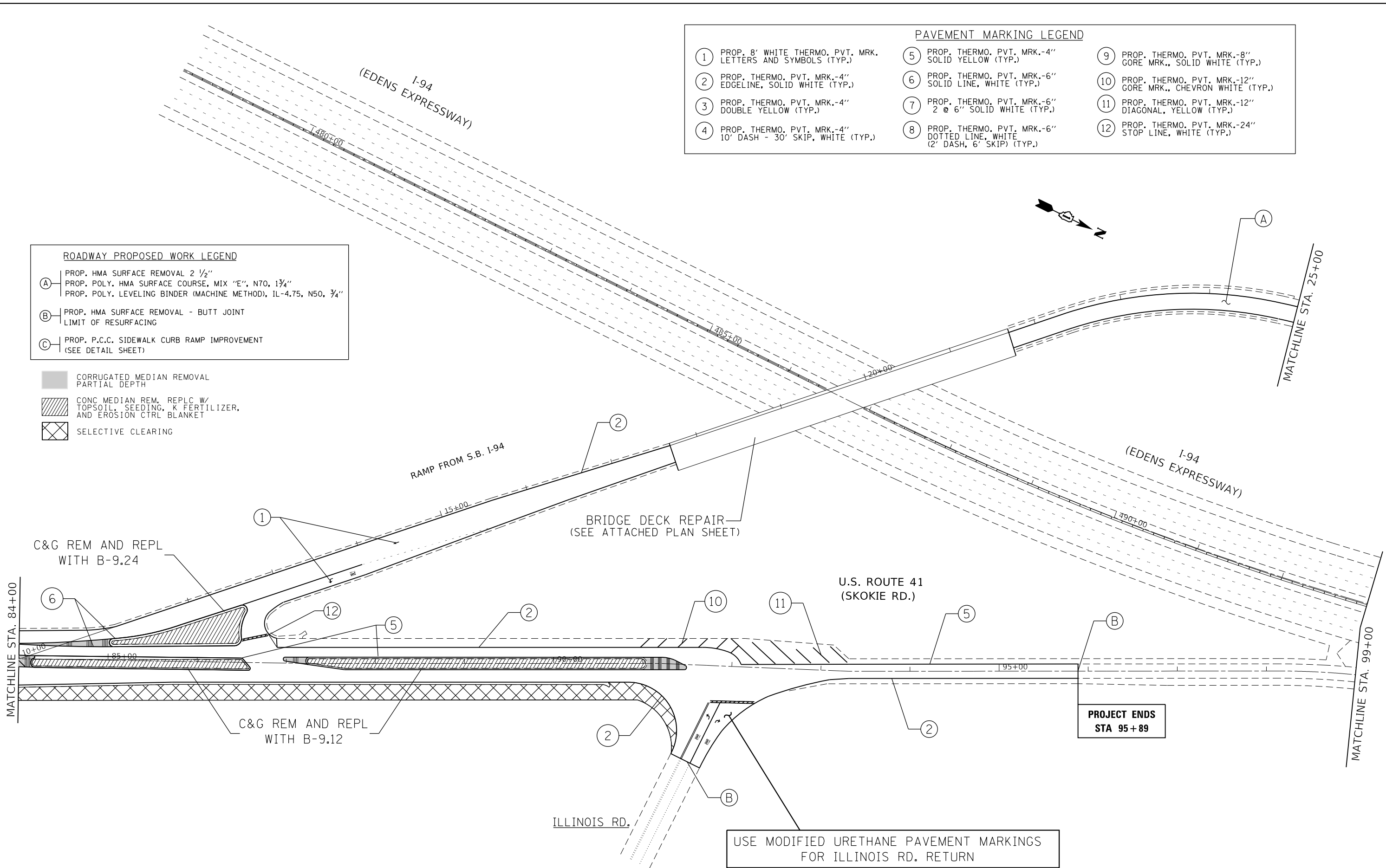
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

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

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

Ⓐ	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"
Ⓑ	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
Ⓒ	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



USE MODIFIED URETHANE PAVEMENT MARKINGS FOR ILLINOIS RD. RETURN

MODEL: Default
 FILE: 62H96_Plan.pxd
 PROJECT: 62H96_Plan.pxd
 PROJECTPATH: C:\Users\khanms\AppData\Local\Temp\140181919-sh-cab-2019-01-18\62H96_Plan.pxd
 PLOT: 62H96_Plan.pxd
 PLOTSCALE: 1/16" = 1'

USER NAME	= khanms	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 100,0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 10/18/2019				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

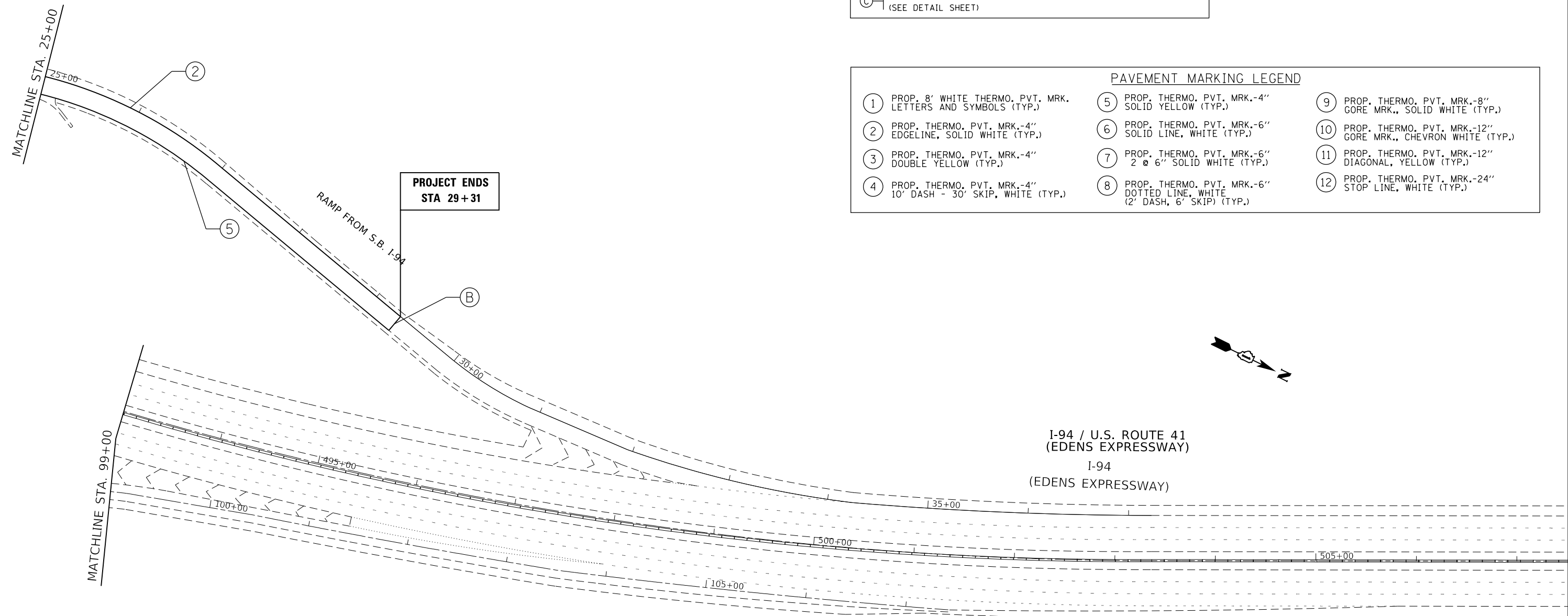
**U.S. RTE. 41 (SKOKIE RD.): I-94 TO NORTH OF OLD ORCHARD RD.
ROADWAY AND PAVEMENT MARKING PLAN**

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.)		



MODEL: Default
 FILE: \\blm1c:\pub\lhamon\dat\illinois\pwr\DOT\Documents\DOT_Offices\lhamon\14019\CaddData\Design\14019-sh-rt-bm.dgn

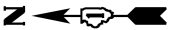
USER NAME = khamms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

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

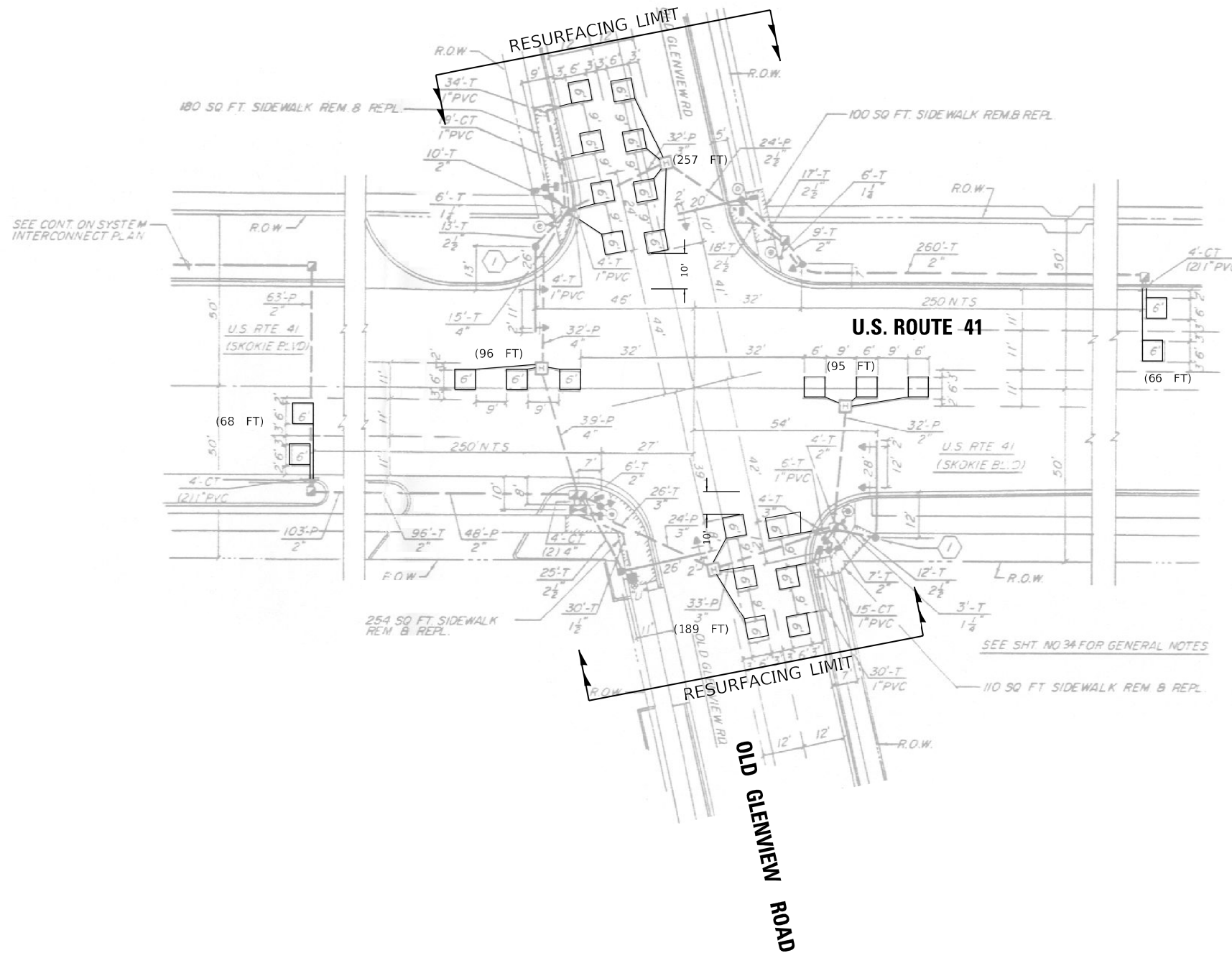
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

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

MODEL: Default
 FILE NAME: 3:\Work\Design\KKS\Design_Review\C91-344-19-US-41-FROM-19-01-TO-OLD-GLENVIEW-RD-LOOPS-AND-PLANS.dgn

USER NAME = koby/kaka	DESIGNED - KK	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - KK	REVISED -
PLOT DATE = 3/7/2019	CHECKED - LP	REVISED -
	DATE - 03/05/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

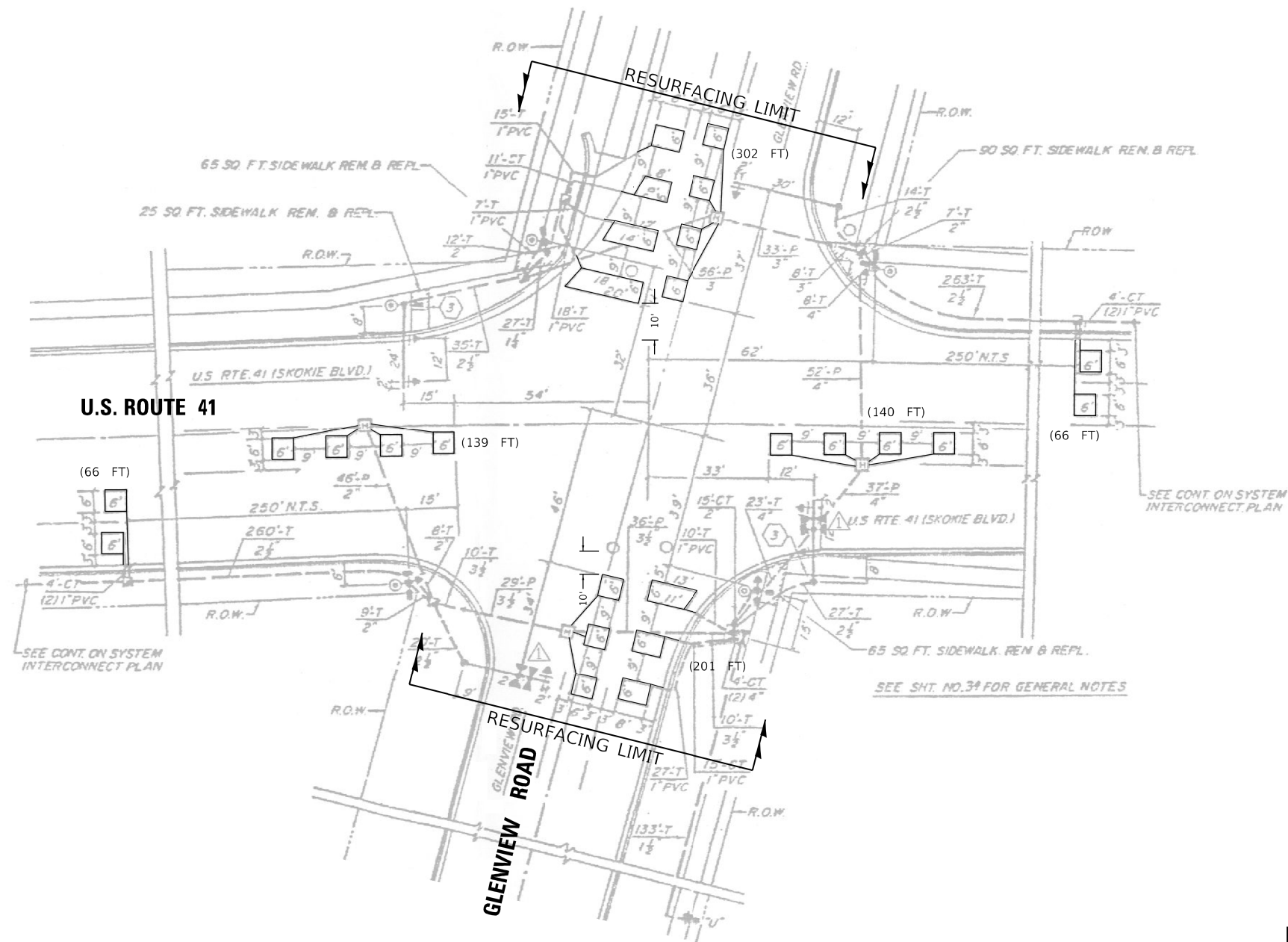
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2019-019-R5	COOK	50	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

MODEL: Default
 FILE NAME: 3:17P Design\KKS\Design\Review\C91-344-19-USE-1-FROM-19-01-TO-OLD-GLENVIEW-RD-LOOPS-AND-PLANS.dgn

USER NAME = koby/kaka	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 3/7/2019	DATE - 03/05/2019	REVISED -

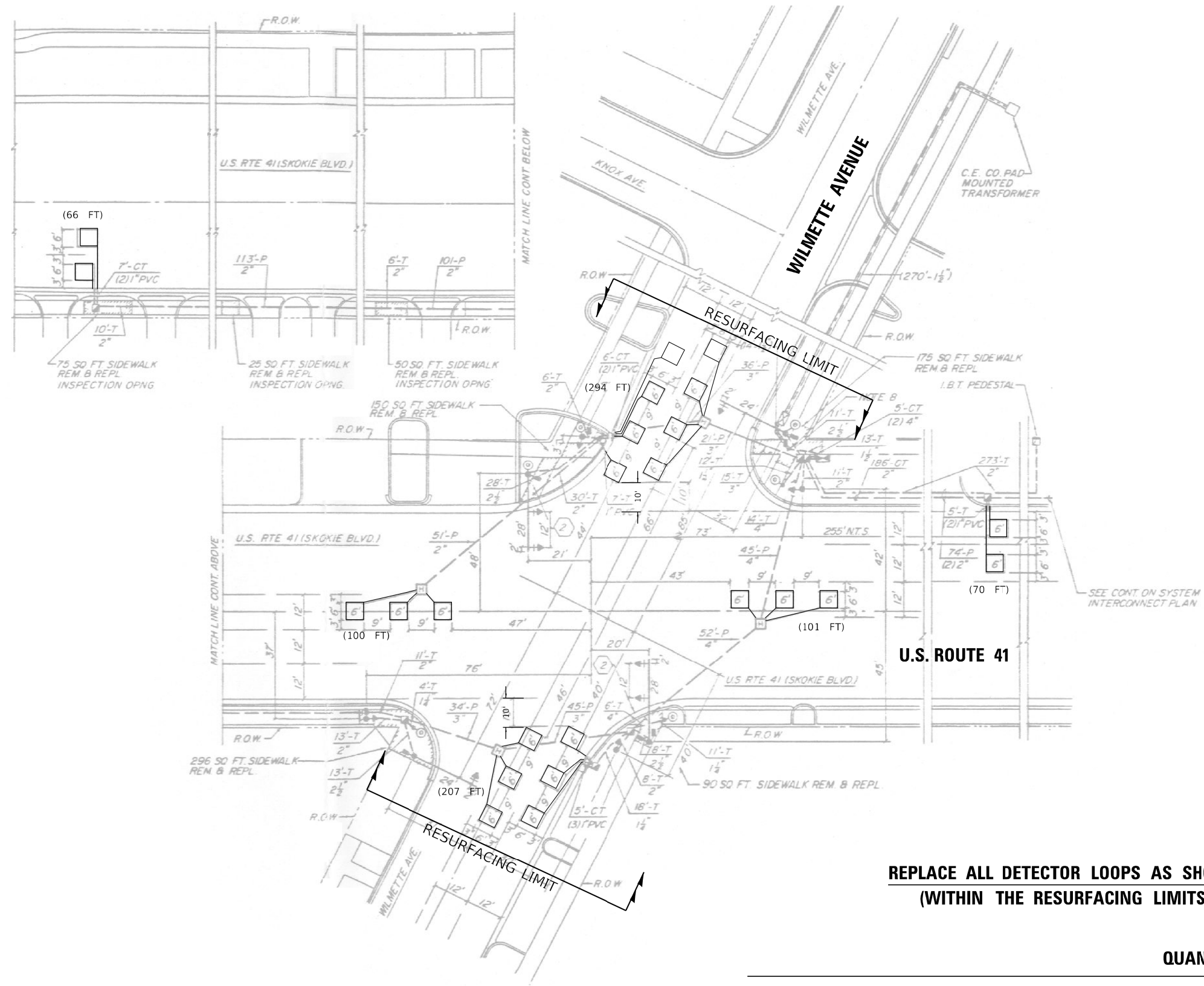
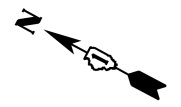
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
U.S. ROUTE 41 AT 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

MODEL: Default
 FILE NAME: 3:\p\Design\KKS\Design_Review\C91-344-19\US-41-FROM-1991-TO-OLD-GLENVIEW-RD-LOOPS-AND-PLANS.dwg
 LAYOUT: C91-344-19\US-41-FROM-1991-TO-OLD-GLENVIEW-RD-LOOPS-AND-PLANS.dwg

USER NAME = koby/kaka	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 3/7/2019	DATE - 03/05/2019	REVISED -

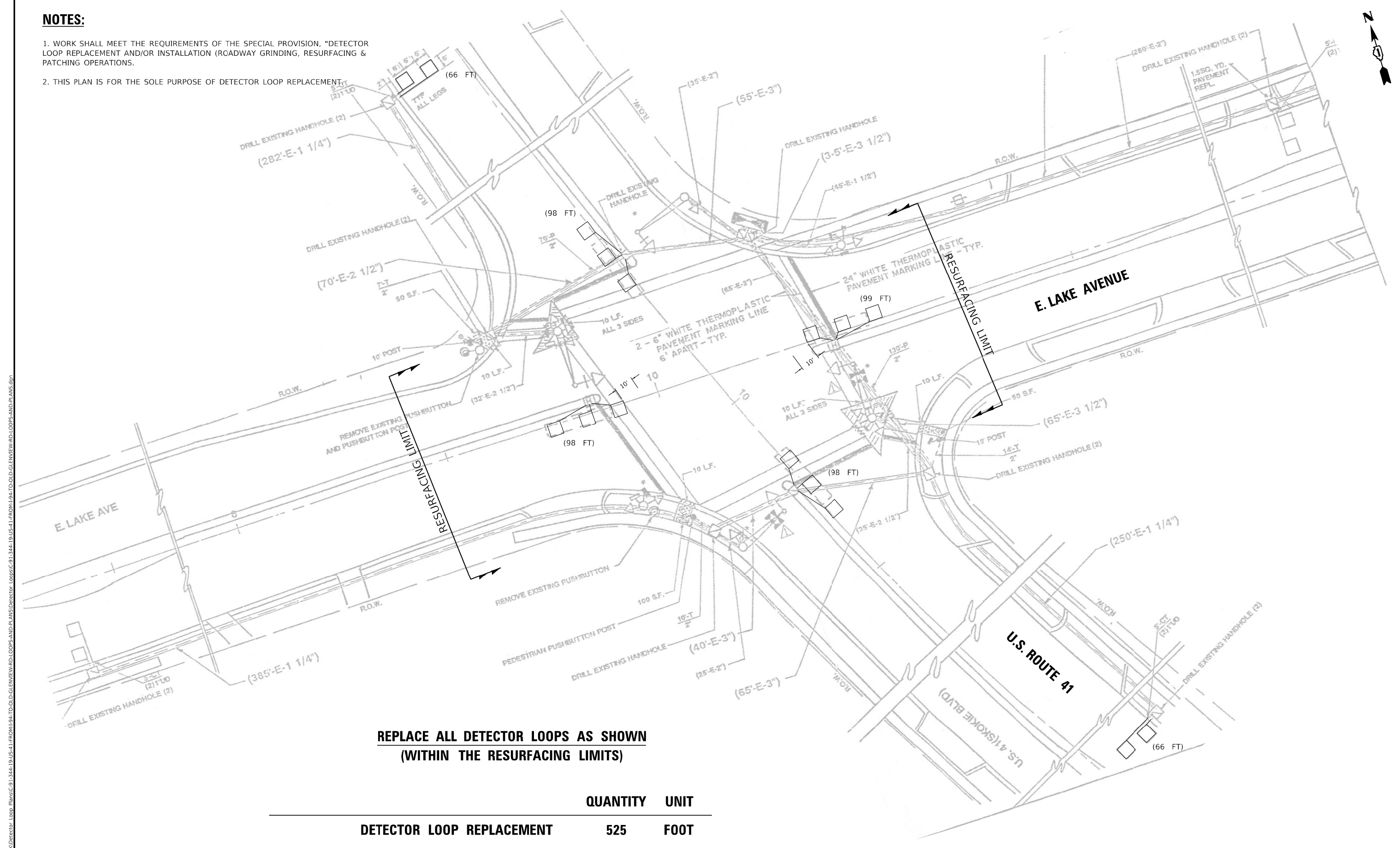
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
U.S. ROUTE 41 AT 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

MODEL: Default
 FILE NAME: 31112019\Design\KKS\Detector Loop Plans\01-3111-19-US-41-FROM-194-TO-OLD-GLENVIEW-ROADS-AND-PLANS.dwg
 MODEL: Default
 FILE NAME: 31112019\Design\KKS\Detector Loop Plans\01-3111-19-US-41-FROM-194-TO-OLD-GLENVIEW-ROADS-AND-PLANS.dwg

USER NAME = koby/kaka	DESIGNED - KK	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 3/11/2019	DATE - 03/05/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

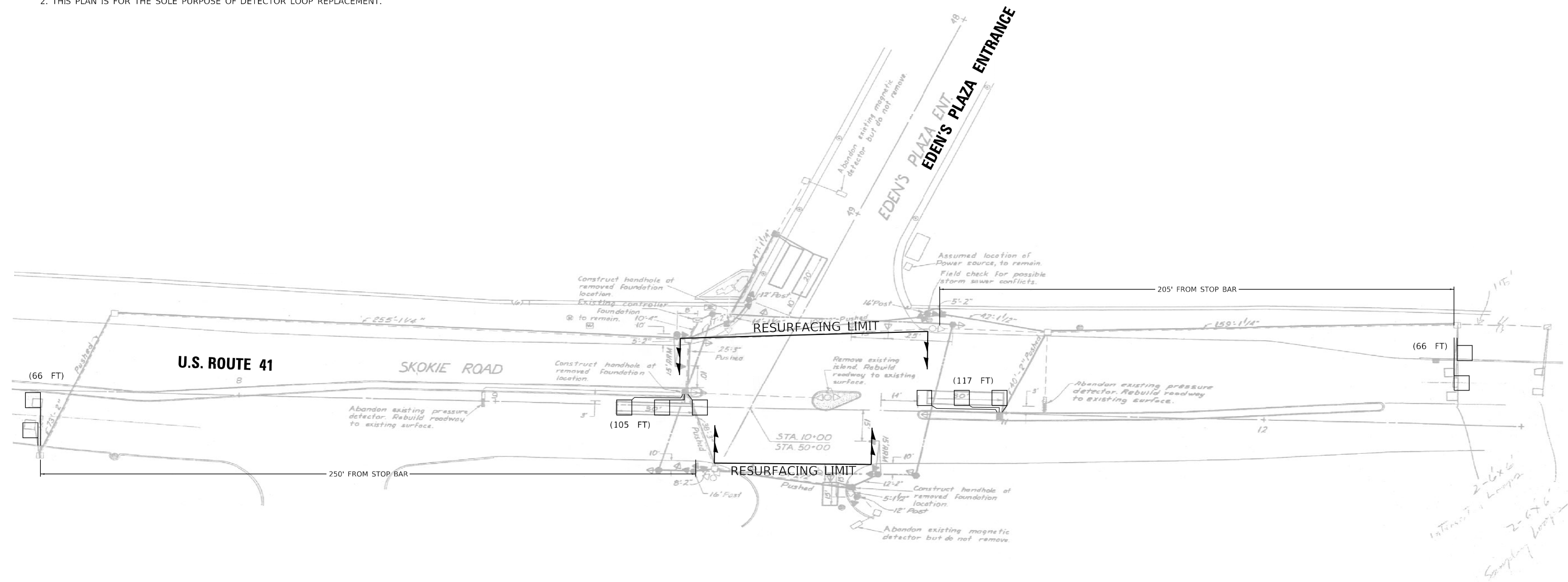
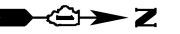
**DETECTOR LOOP REPLACEMENT PLAN
U.S. ROUTE 41 AT E. LAKE AVENUE**

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

F.A.U. RTE. 94	SECTION 2019-019-R5	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 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

MODEL: Default
 FILE NAME: 3:10:19 Design\KDK\Design_Review\C91-344-19-US-41-FROM-10-94-TO-OLD-GLENVIEW-RD-LOOPS-AND-PLANS.dgn
 LOGS\C91-344-19-US-41-FROM-10-94-TO-OLD-GLENVIEW-RD-LOOPS-AND-PLANS\Detector

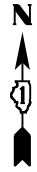
USER NAME = koby/kaka	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 3/7/2019	DATE - 03/05/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

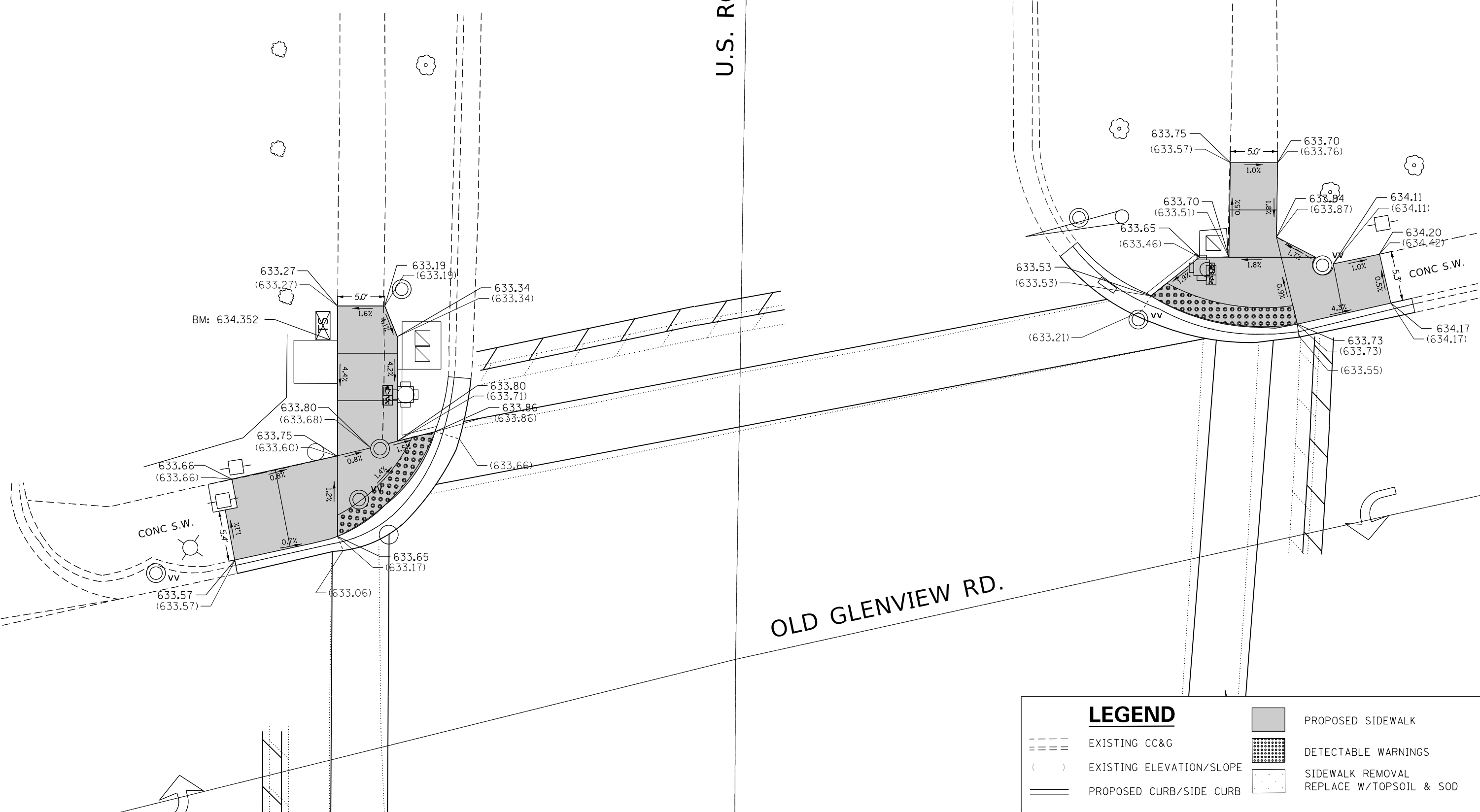
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

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



U.S. ROUTE 41

OLD GLENVIEW RD.



MODEL: Default
 FILE: \\nashville.pw.state.gov\pww\DOT\Documents\DOT_Offices\Director - Projects\114019\CADD\Drawings\114019_sht-detailed1.dgn

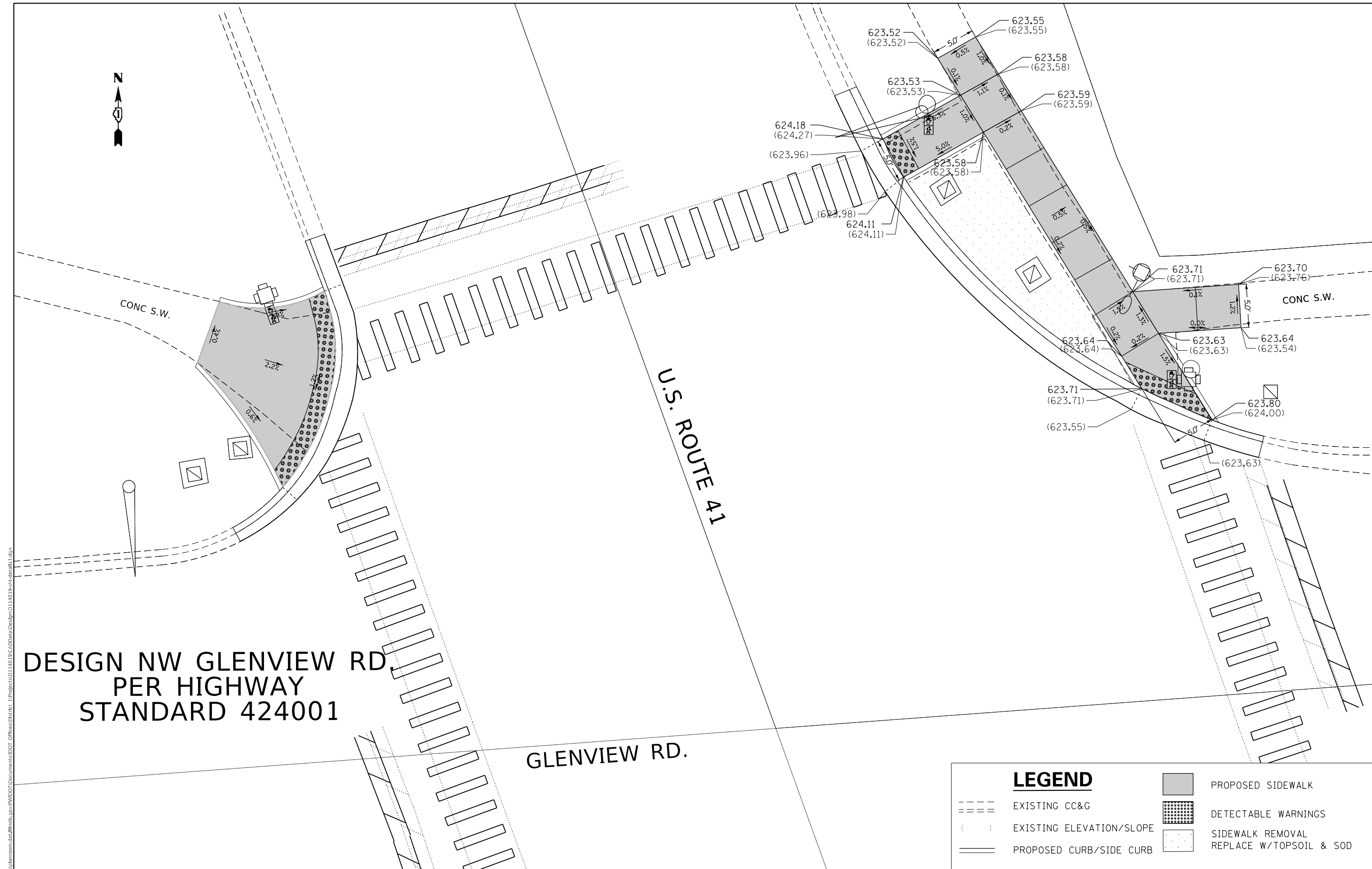
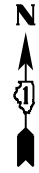
USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NE AND NW OLD GLENVIEW RD.
ADA SIDEWALK PLANS

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

SCALE: SHEET OF SHEETS STA. TO STA.



**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

MODEL: Default
 FILE: \\nrcs-pub\pub\aroom\ada\illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\114019\CADD\Drawings\114019-shd-detailed.dgn

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

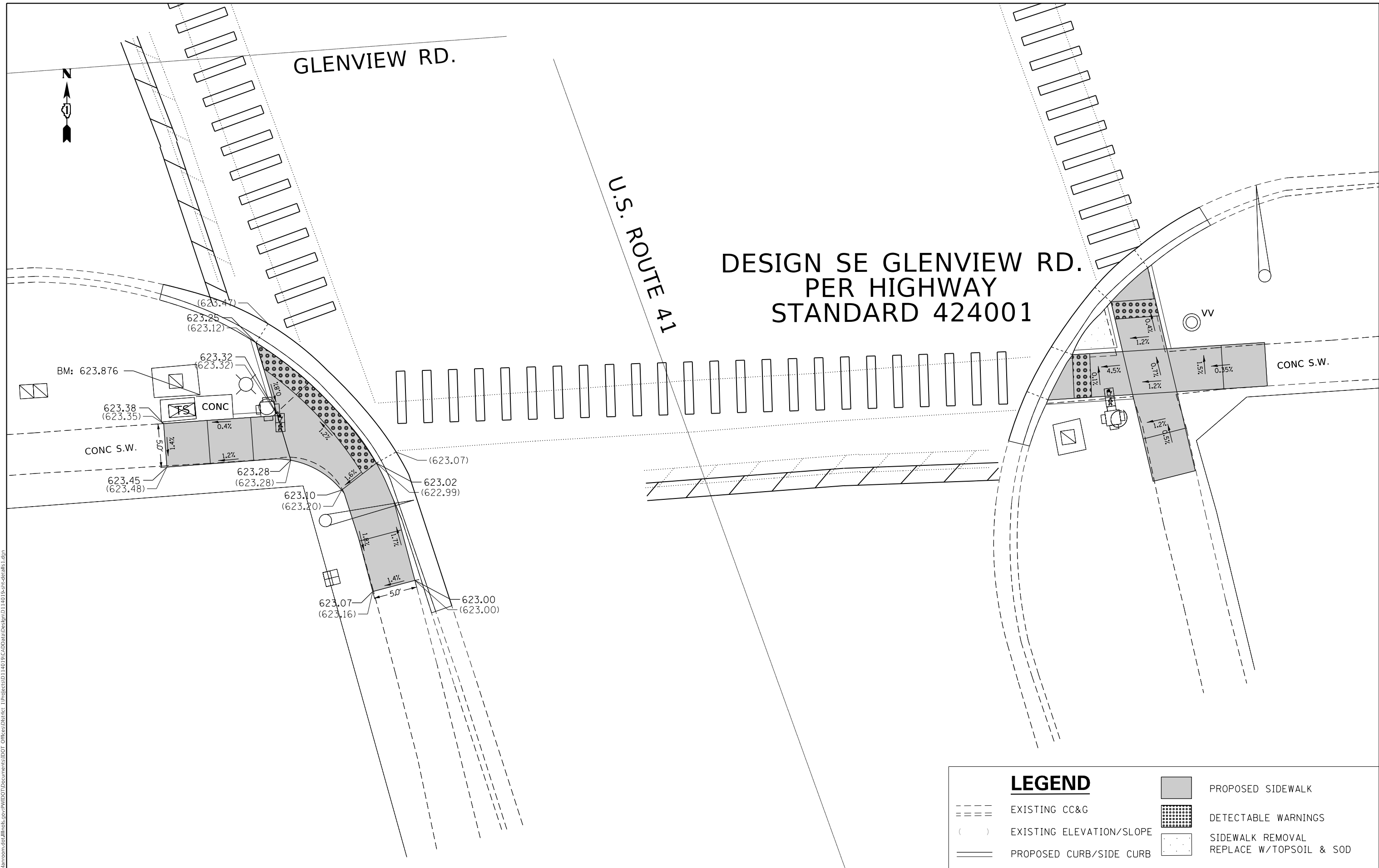
SCALE: SHEET OF SHEETS STA. TO STA.

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



LEGEND

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

MODEL: Default
 FILE: \\nashville.pw.org\pub\baron.com.dta\illinois.gov\PW\DOT\Documents\DOT_Offices\District_1\Projects\62114019\CADD\Design\0114019_sht-details.dgn

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

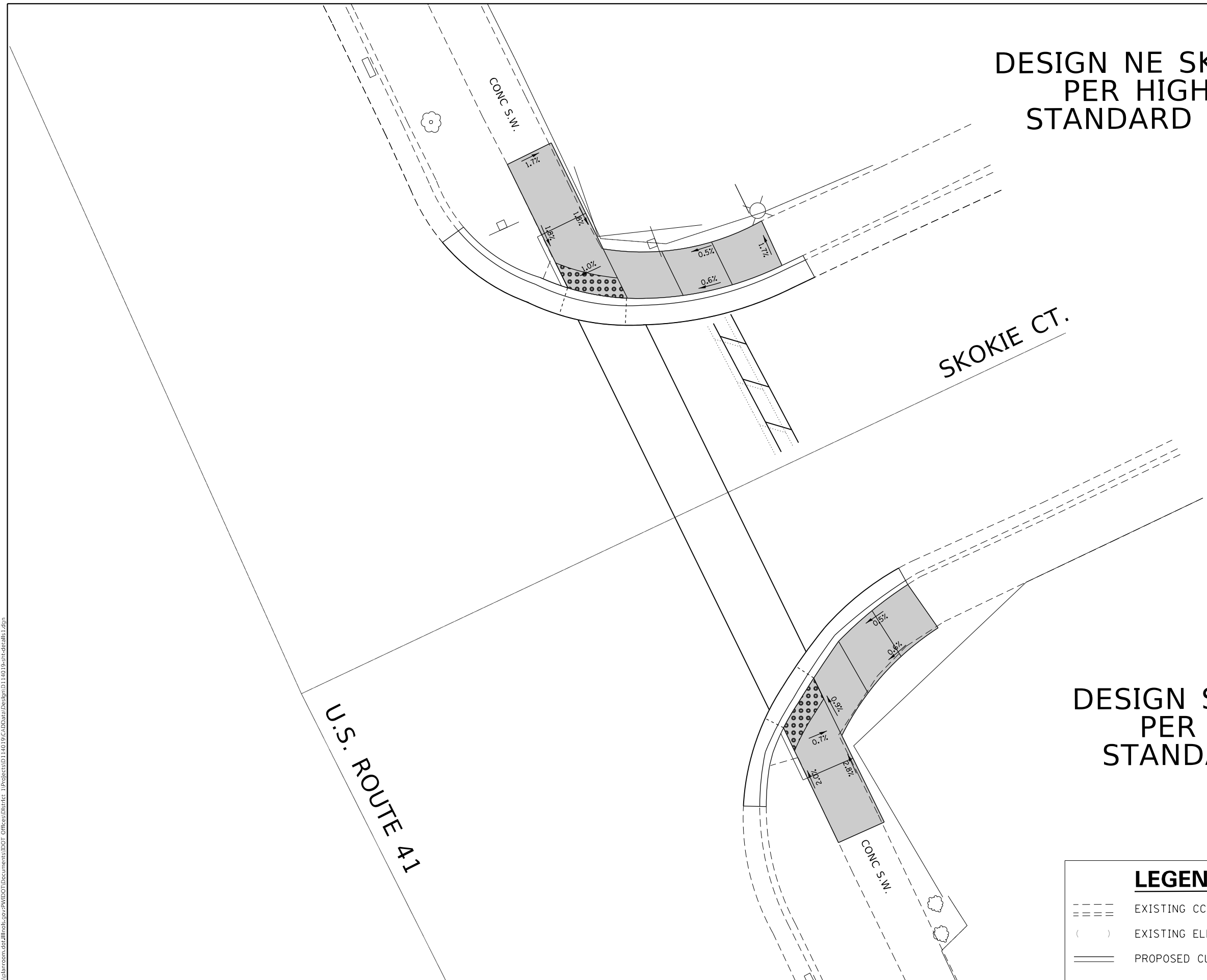
SE AND SW GLENVIEW RD.
ADA SIDEWALK PLANS

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

DESIGN SE SKOKIE CT.
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

MODEL: Default
 FILE: h:\mfc_projects\p14019\CADD\Drawings\DOT_Offices\Drawings\1\Projects\14019\CADD\Drawings\14019_sht-details.dgn

USER NAME = khamms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

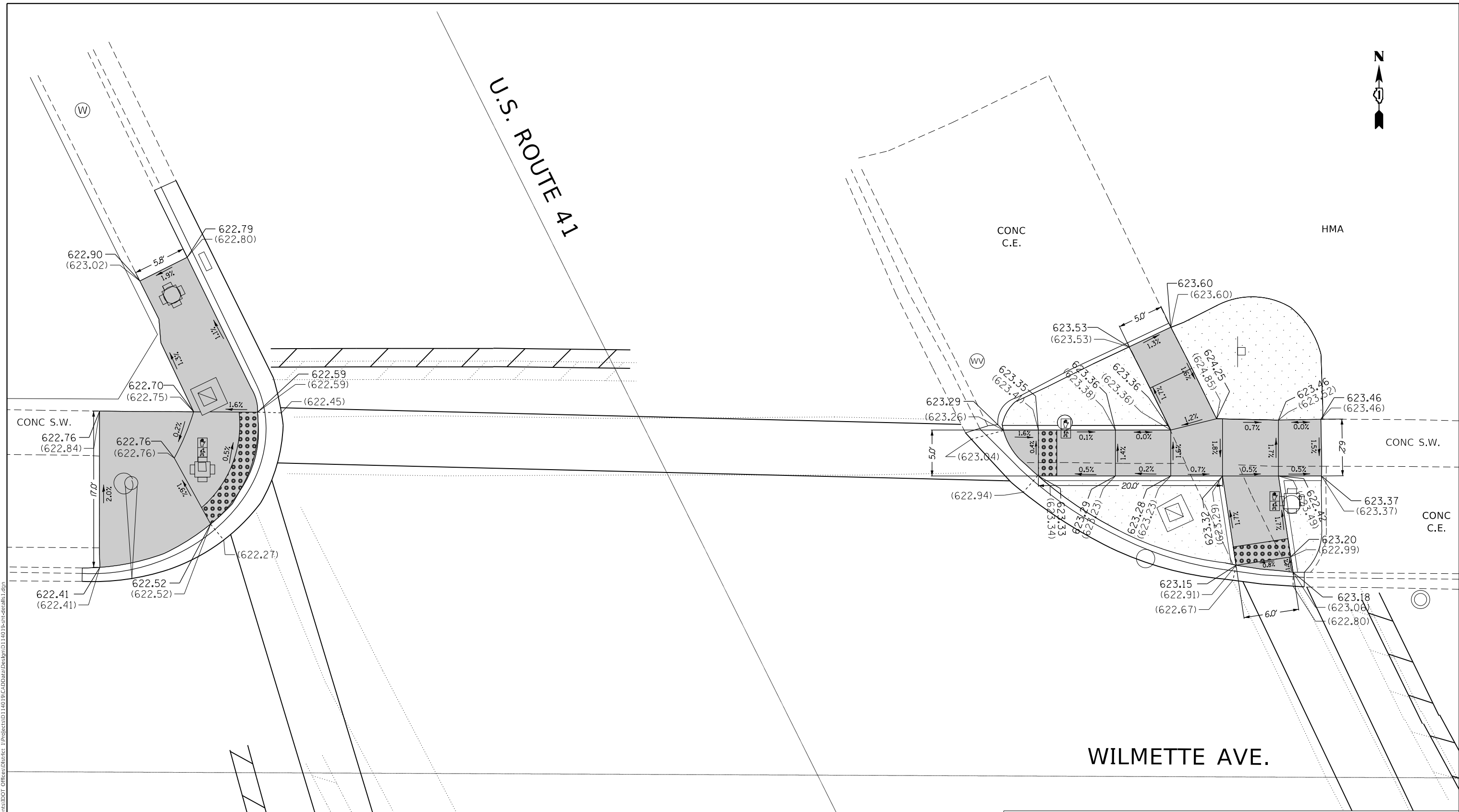
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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



MODEL: Default
 FILE: h:\a\c\p\planningroom.dwg
 PROJECT: D:\Projects\114019\CADD\Drawings\114019-01-01-01.dwg
 USER: khanms

LEGEND

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

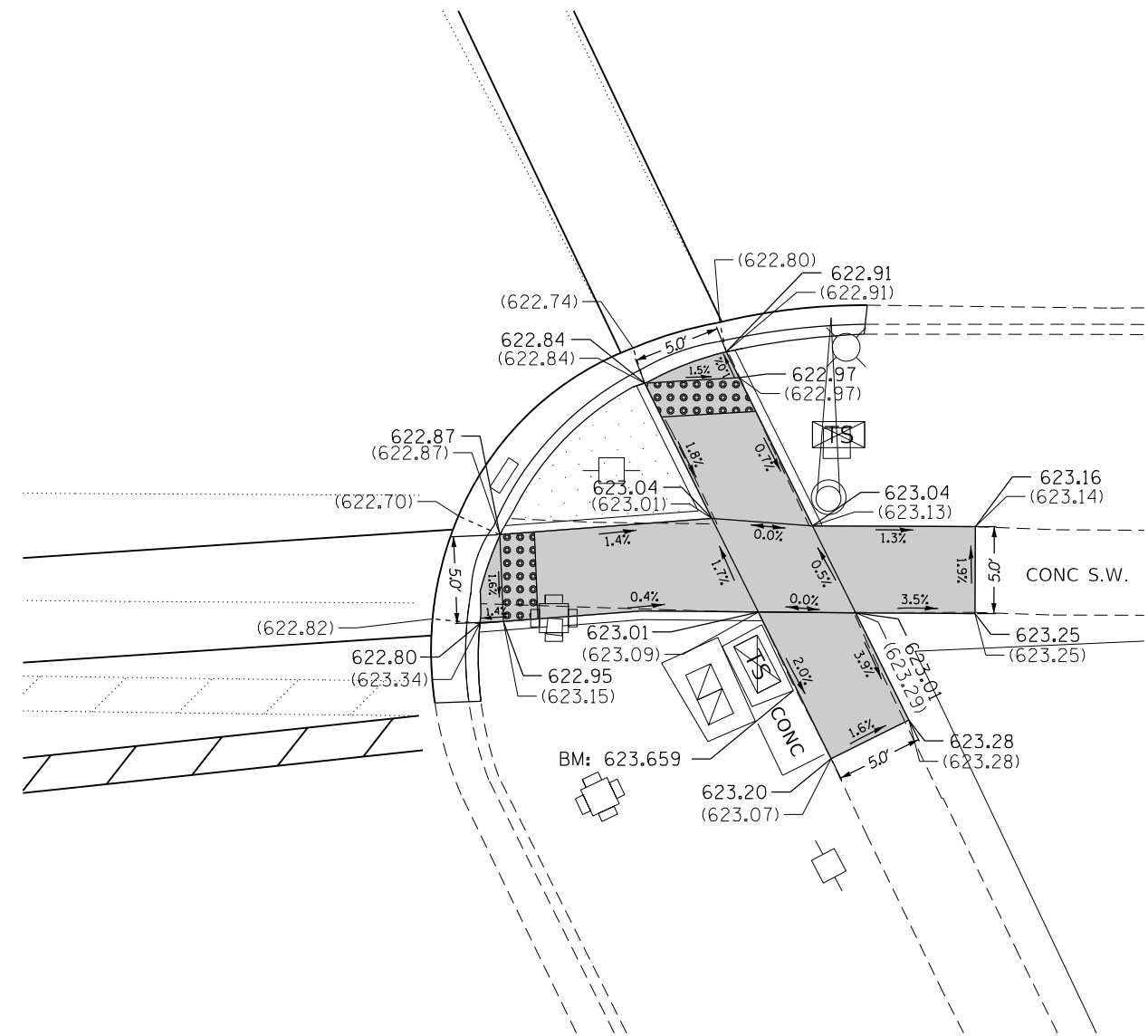
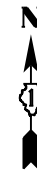
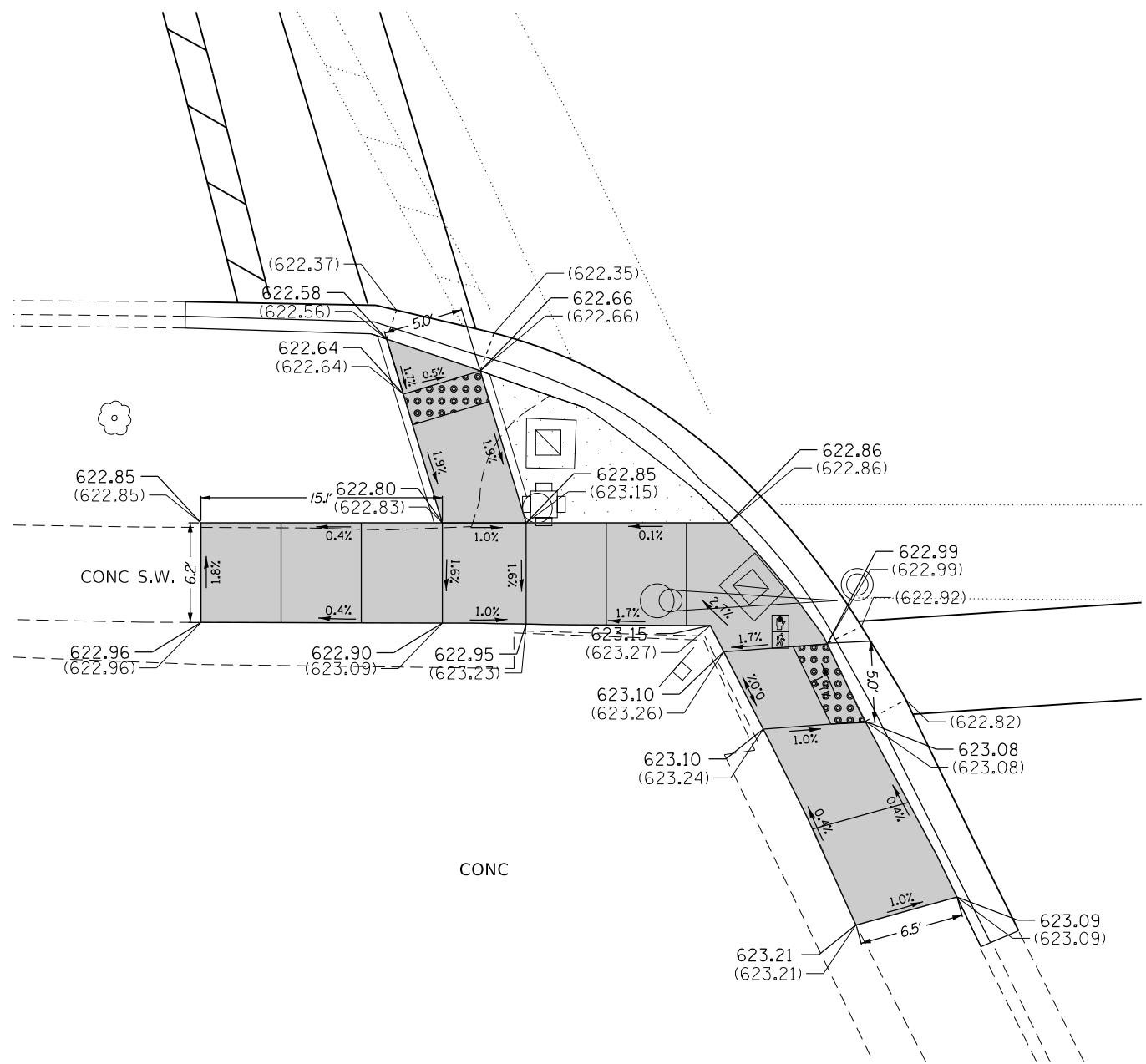
USER NAME = khanms	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

SCALE: SHEET OF SHEETS STA. TO STA.



LEGEND

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SE AND SW WILMETTE AVE.
ADA SIDEWALK PLANS

USER NAME = khamns	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

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

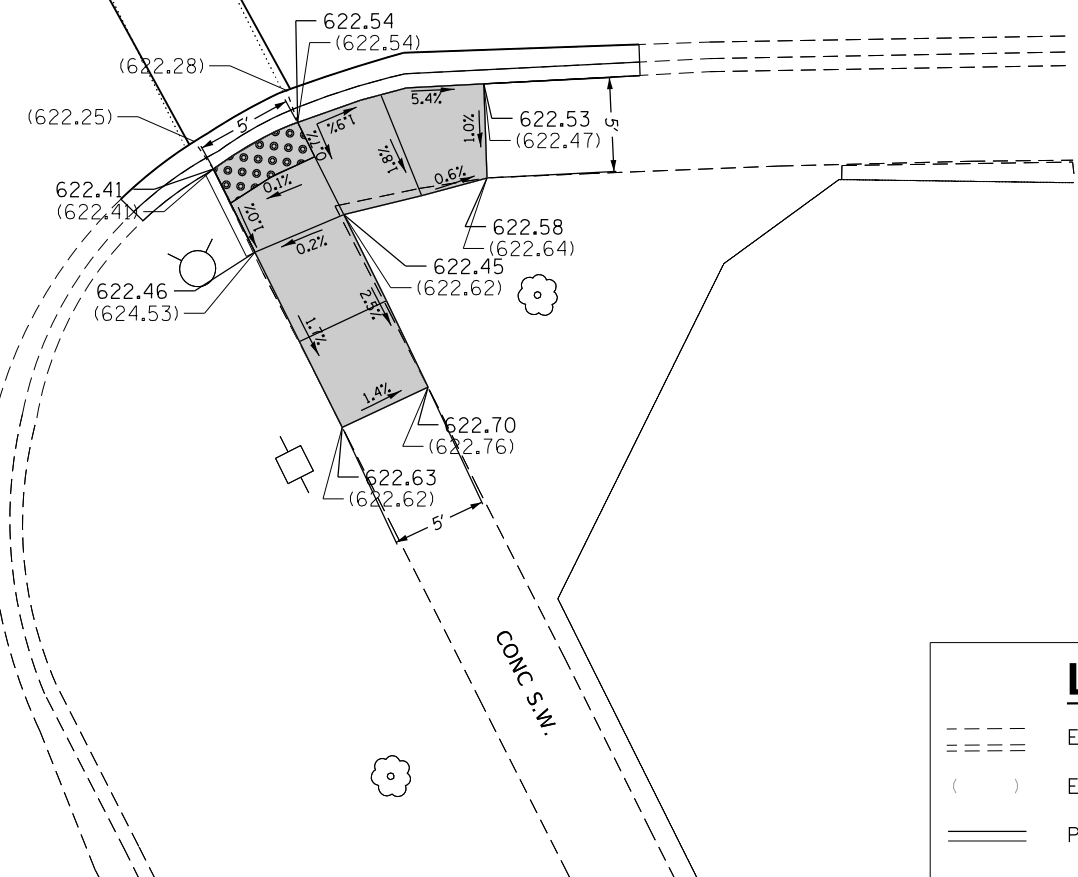
MODEL: Default
FILE: \bldg\pdx\pdxroom.dwg
PROJECT: 14019\CADDData\Design\14019-sh-detailed1.dgn

MODEL: Default
 FILE: \\nashville.pw.state.tx.us\pww\DOT\Documents\DOT_Offices\Director_1\Projects\14019\CADD\Design\0114019_sht-details1.dgn

**DESIGN NE CENTRAL AVE.
 PER HIGHWAY
 STANDARD 424001**

U.S. ROUTE 41

CENTRAL AVE.



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

USER NAME = kxanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

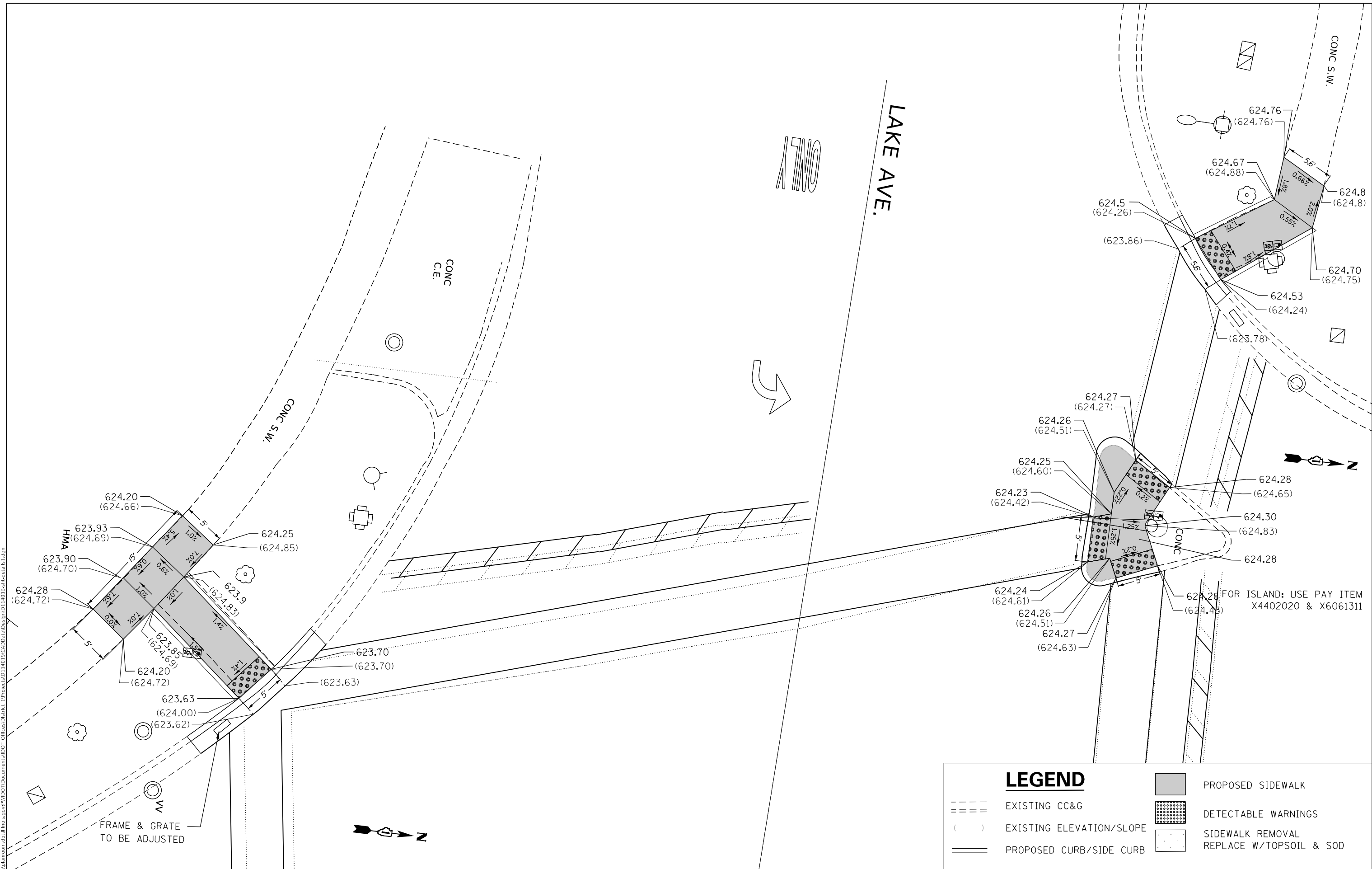
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

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

MODEL: Default
 FILE: \\nashville.gov\pub\barcom.dfa\illinois\gov\PWIDOT\Documents\DOT Offices\District 1\Projects\114019\CADD\Drawings\114019-SPH-detailed1.dgn



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

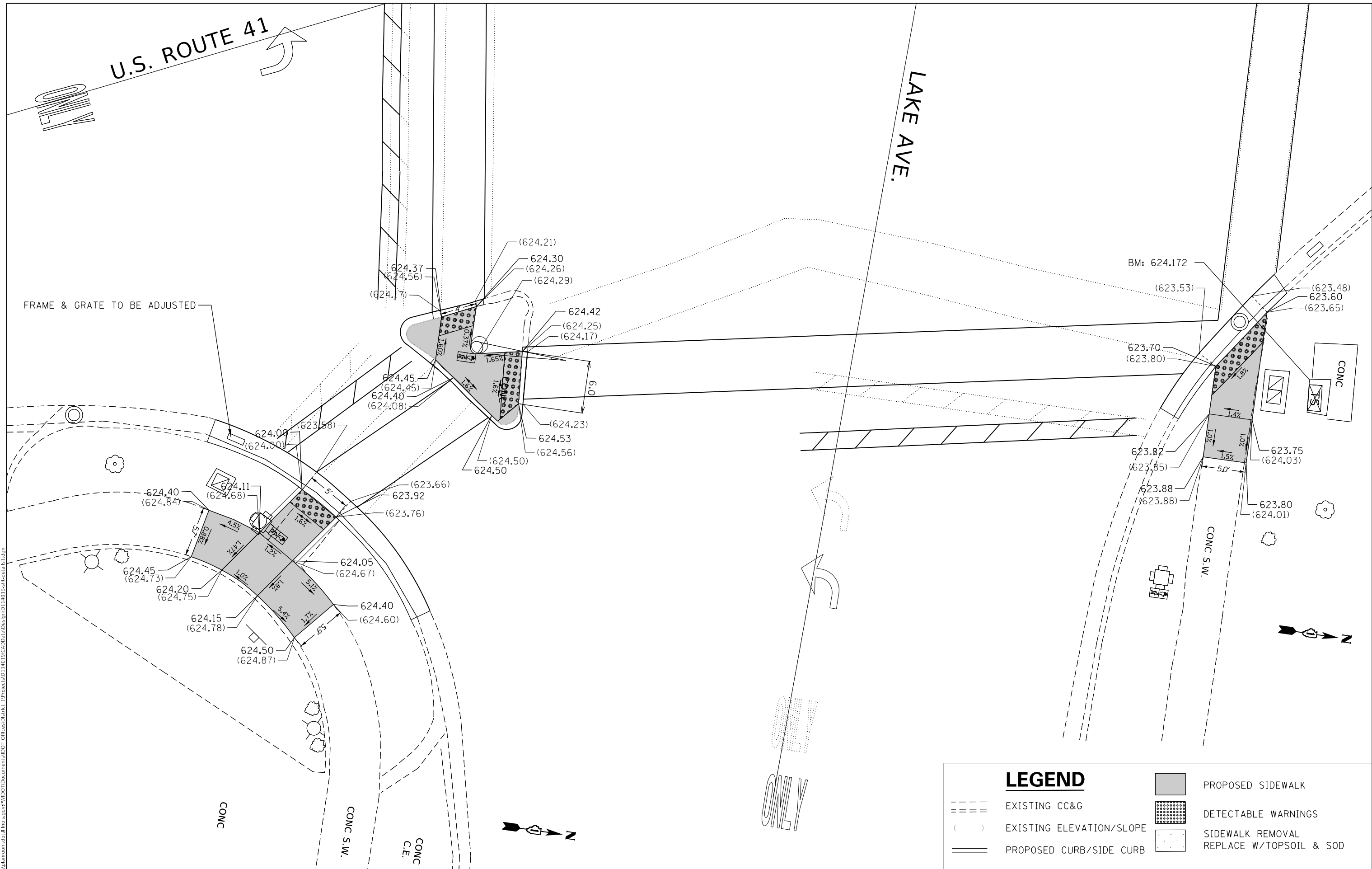
USER NAME = khanms	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/18/2019	DATE -	REVISED -	

**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	



MODEL: Default
 FILE: \\nashville.pwiddot.com\data\illinois\dot\Documents\DOT_Offices\District_1\Projects\114019\CADD\Drawings\114019-01-01-01.dwg

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

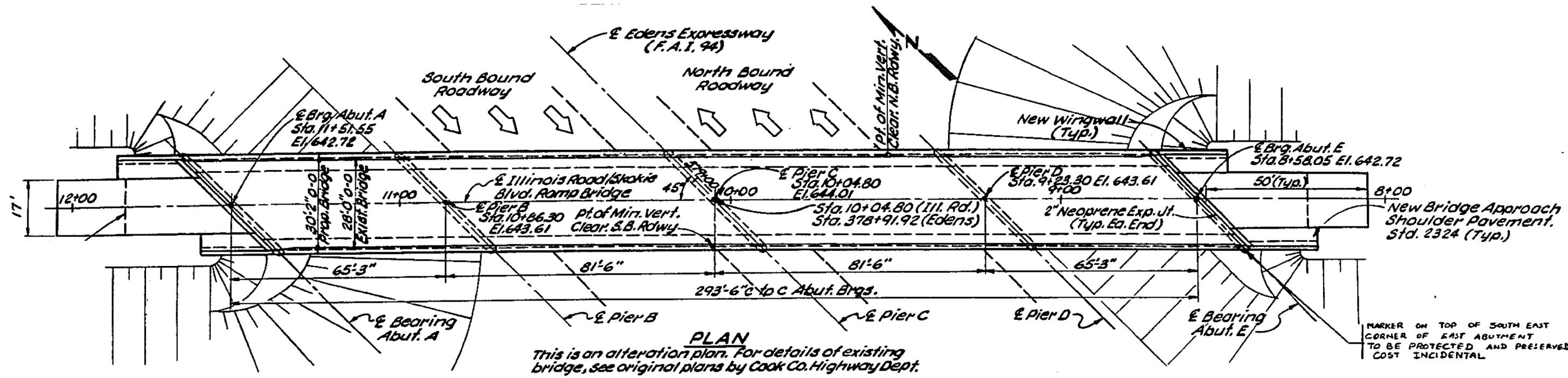
USER NAME = kxhans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NE AND SE LAKE AVE.
ADA SIDEWALK PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

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

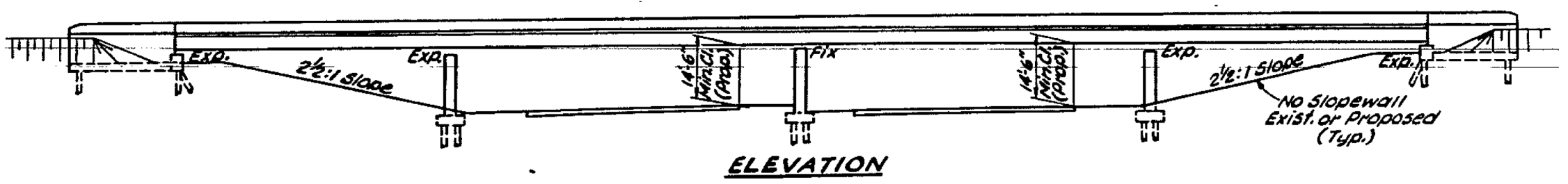


PLAN
 This is an alteration plan. For details of existing bridge, see original plans by Cook Co. Highway Dept.

MARKER ON TOP OF SOUTH EAST CORNER OF EAST ABUTMENT TO BE PROTECTED AND PRESERVED COST INCIDENTAL

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



ELEVATION

FOR INFORMATION ONLY

MODEL: Default
 FILE: \\nas01c.pw.us.ibm.com\data\illinois\pww\DOT\Documents\DOT_Offices\District 1\Projects\114019\CADD\Drawings\114019-211-1-1b.dwg

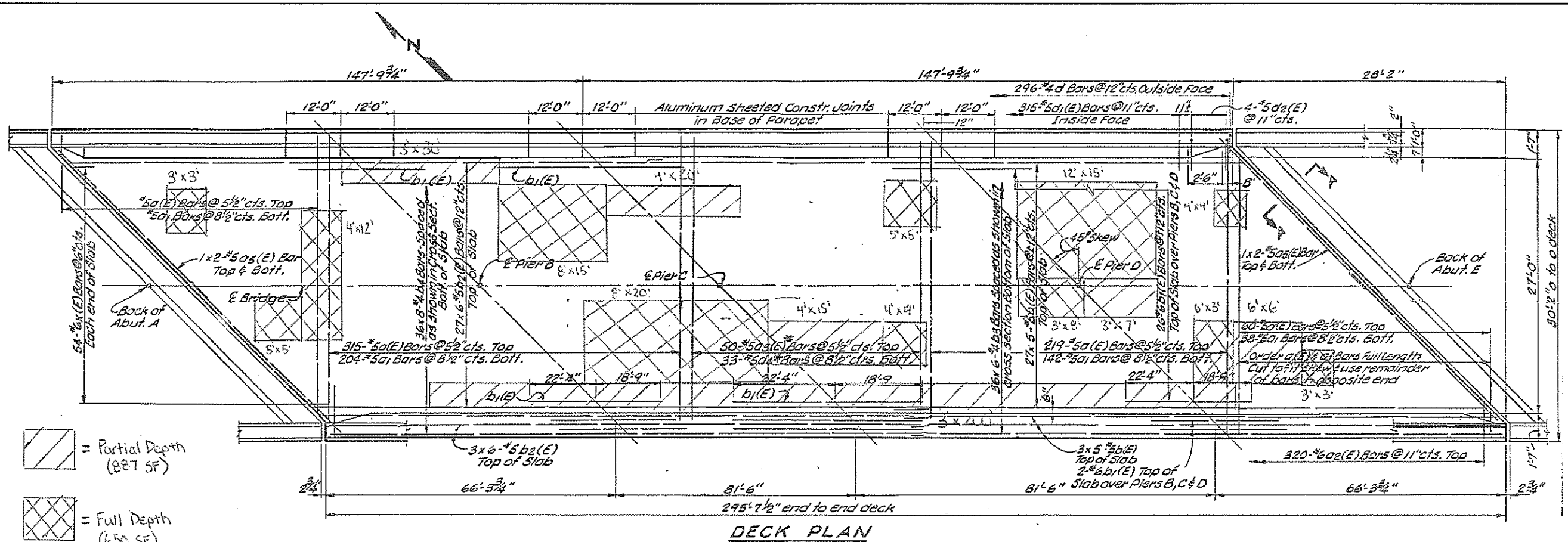
USER NAME = gorenautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/26/2019	DATE -	REVISED -



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

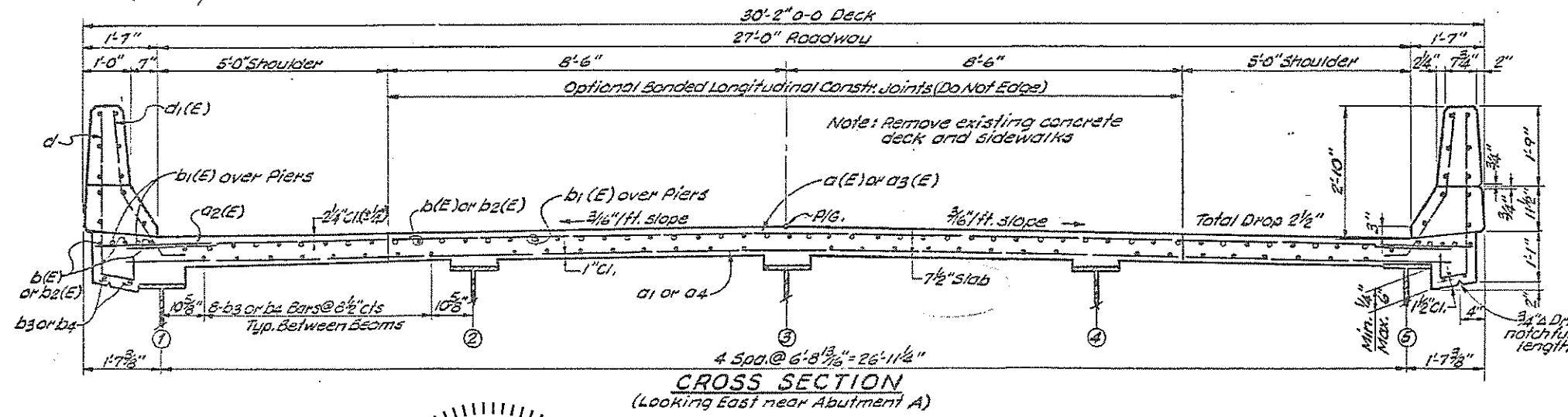
SCALE: SHEET OF SHEETS STA. TO STA.

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



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

DECK PLAN

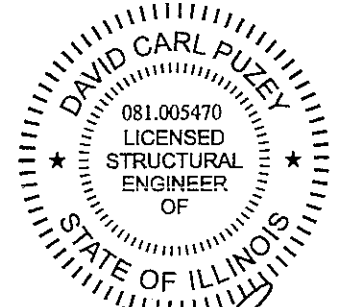


CROSS SECTION
(Looking East near Abutment A)

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

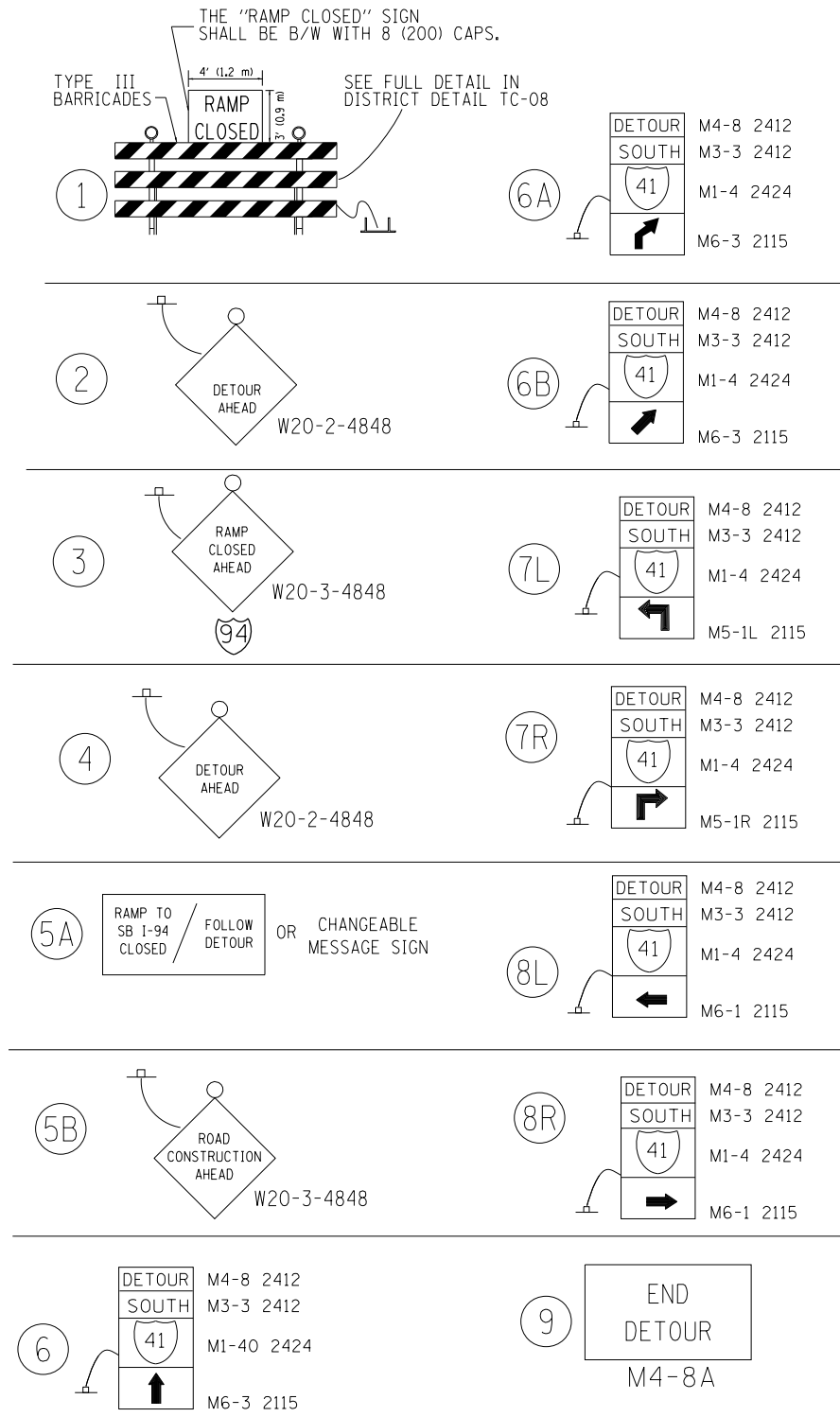
I-94 SB OFF RAMP TO U.S. 41 (SN 016-0167)
BRIDGE DECK PATCHING

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

SCALE: SHEET OF SHEETS STA. TO STA.

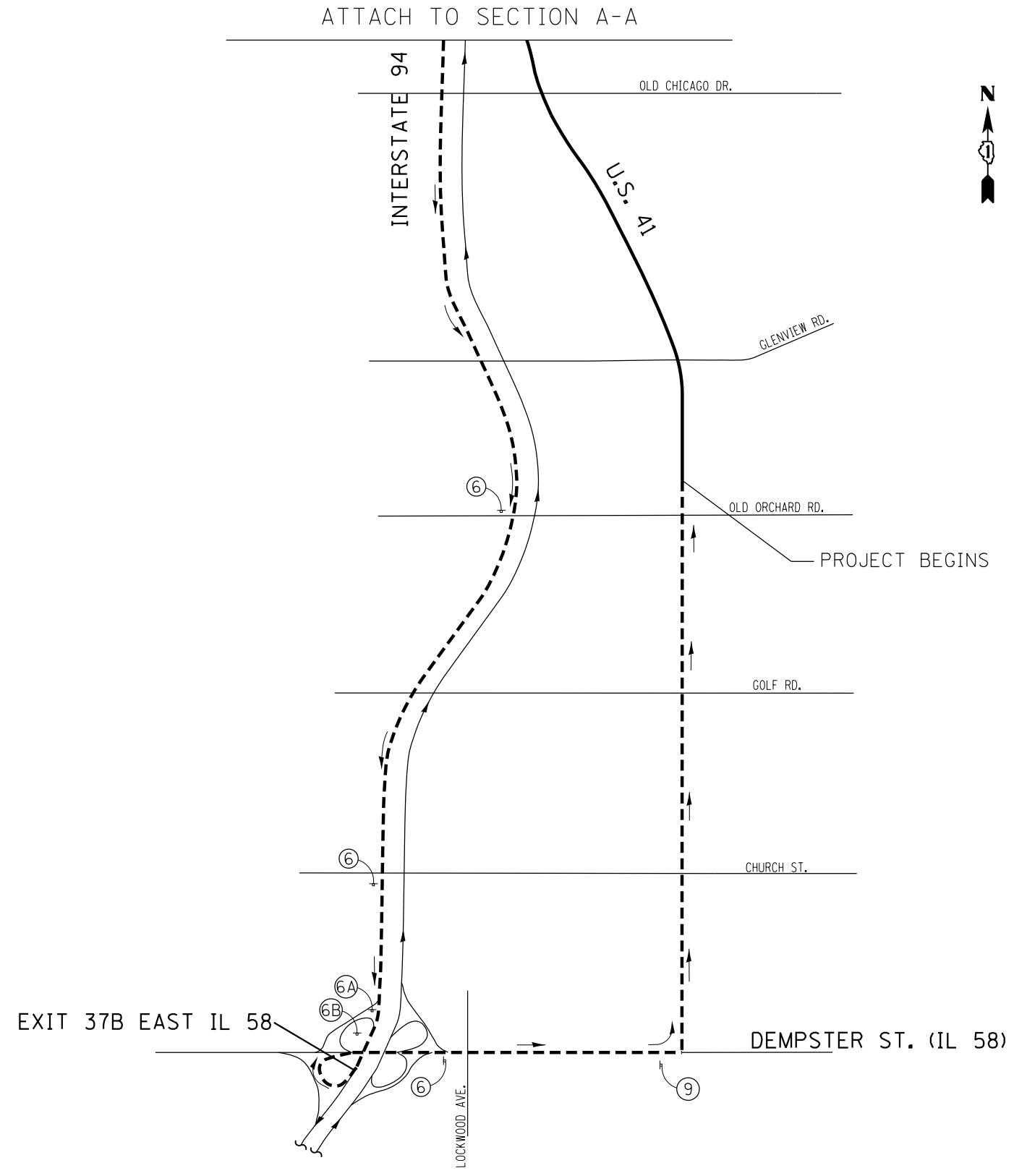
MODEL: D:\draft\...
 FILE NAME: pch\p14ramp.dwg
 PROJECT: I-94 SB OFF RAMP TO U.S. 41 (SN 016-0167)
 DRAWN: J.A.H.
 CHECKED: F.A.
 DATE: 11/26/2019

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



MODEL: Default
 FILE: \\hpc101\pub\hpc\rooms\dat\illinois\pwr\DOT\Documents\DOT_Offices\District_1\Projects\114019\CADD\Drawings\114019_sht-41b.dgn

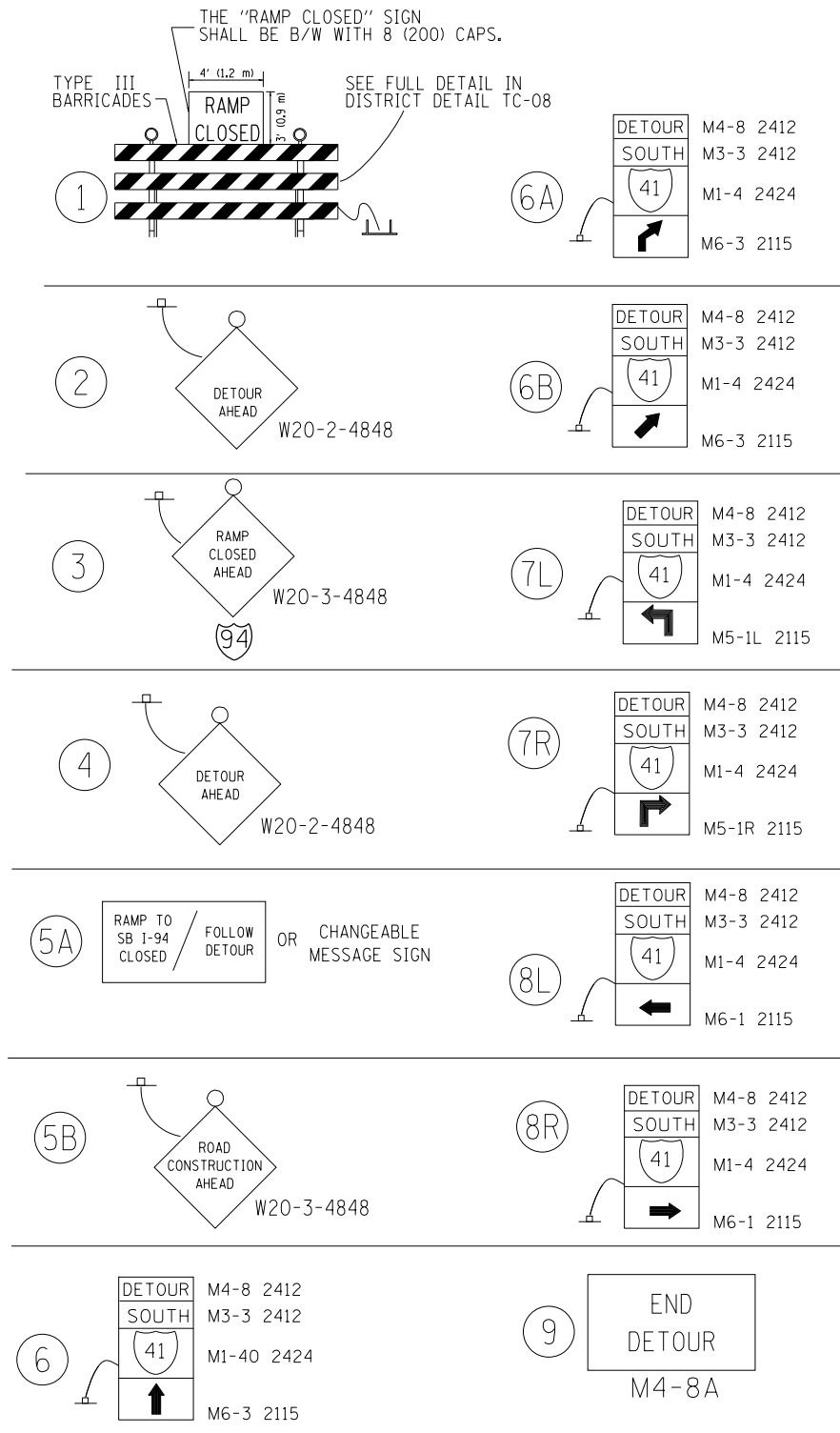
USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**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



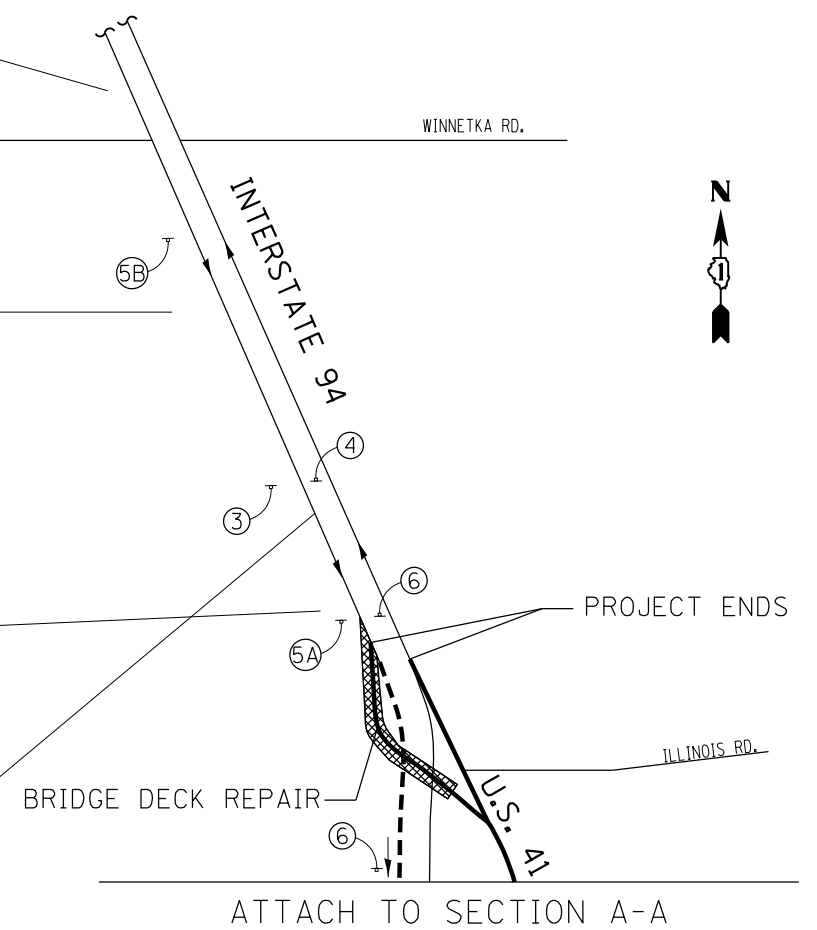
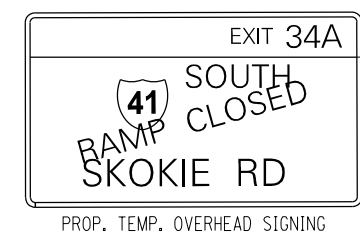
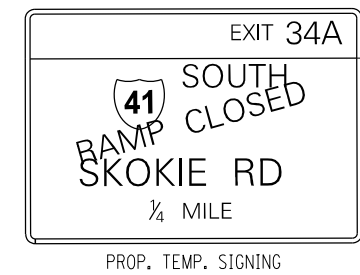
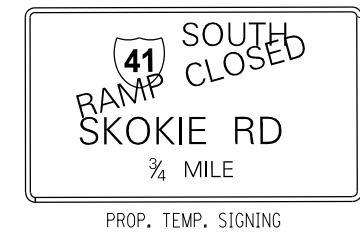
LEGEND

⊥ TYPE II BARRICADE OR DRUM

⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS

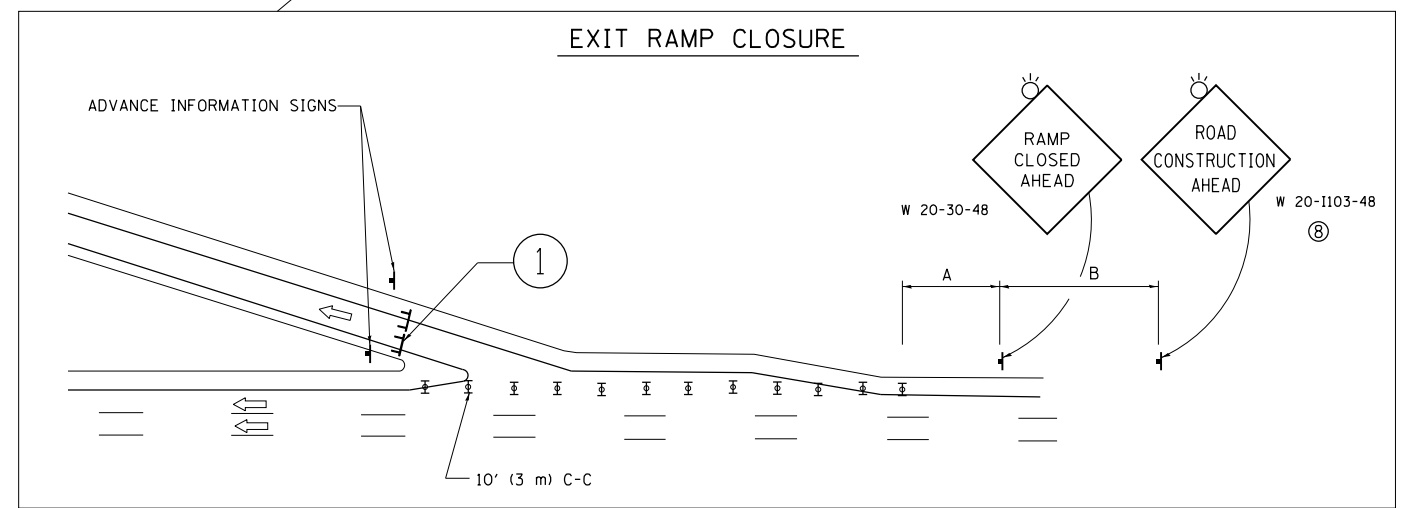
--- DETOUR ROUTE

▨ ROADWAY/RAMP SECTION 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)



NOTE: SEE TC-08 FOR MORE INFORMATION

MODEL: Default FILE: h:\mhc\p\suplanroom\dtd\illinois.gov\WIDOT\Documents\DOT_Offices\District_1\Projects\114019\Cadd\Design\0114019_sht-01b.dgn

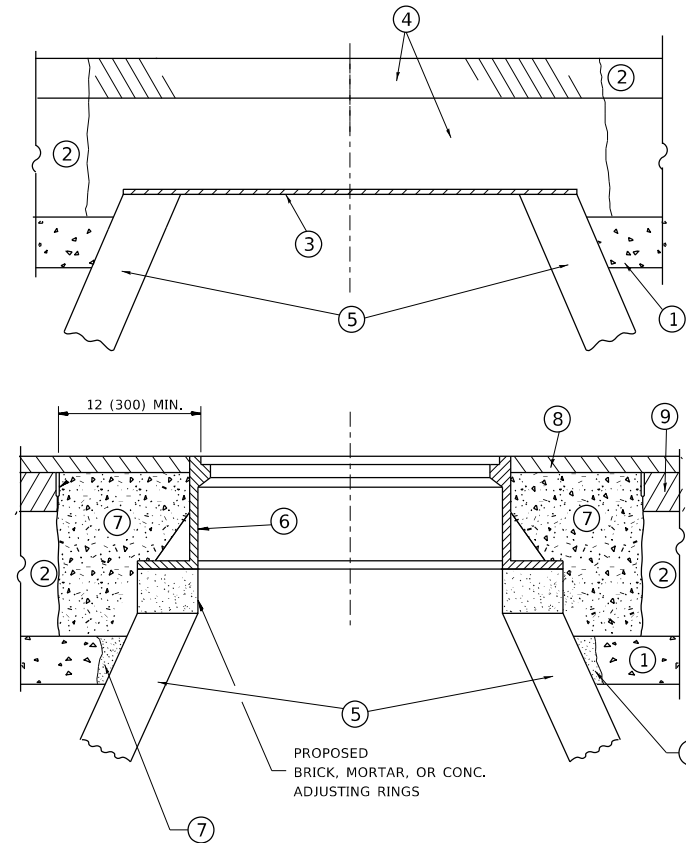
USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**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			



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.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
 FILE: \\blm101.pw.state.il.us\blm101\pww\DOT\Documents\DOT - Offices\Dir\ctc - J\Projects\114019\CaddData\Design\DESIGN.dgn

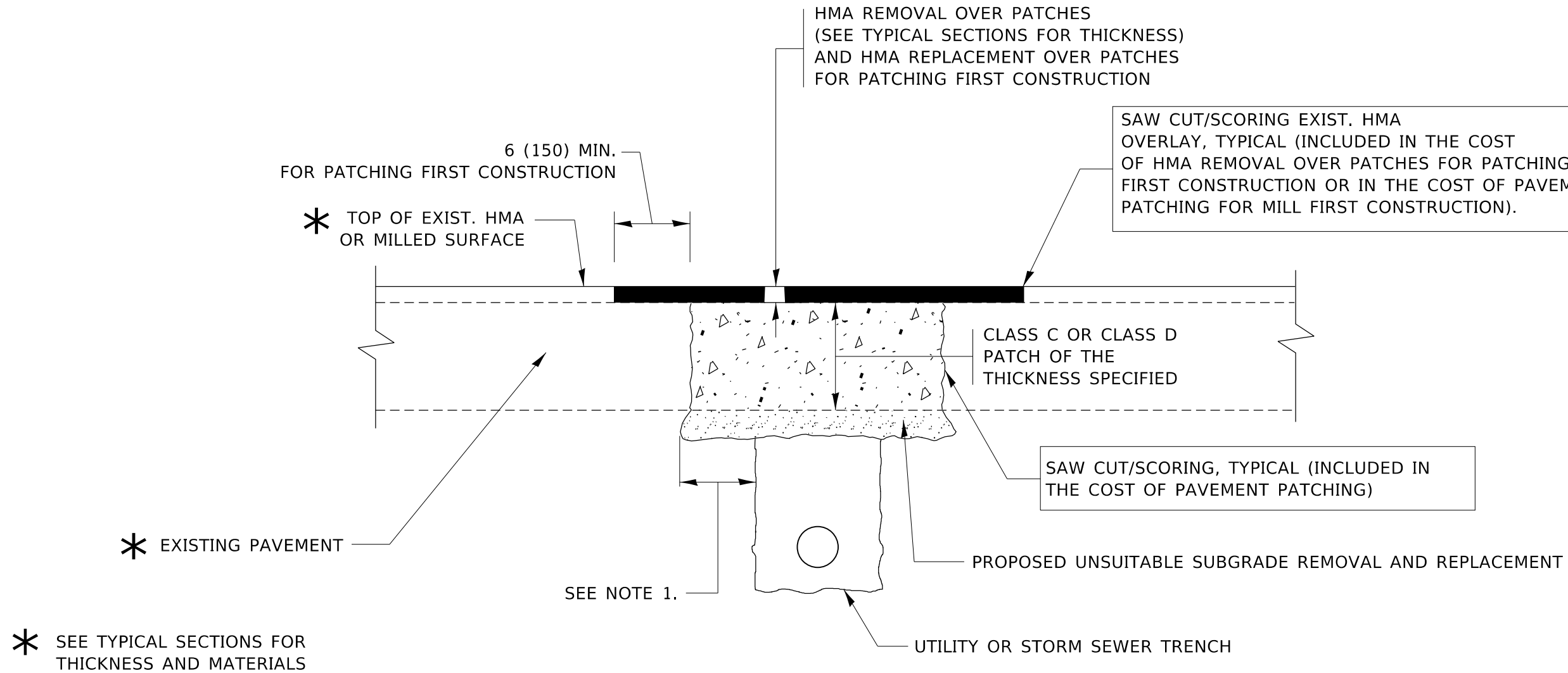
USER NAME = khanms	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 10/18/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.

MODEL: Default
FILE: \\nas01\pub\baronm\dat\illinois\pww\DOT\Documents\DOT_Offices\Bartec_1\Project\114019\CADD\Bartec\Design\DESIGN.dgn

USER NAME = khamms	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
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**

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	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.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE 1).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

PROPOSED ¾" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 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.

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).

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.

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
FILE: \\nashville.pw.gov\pub\harcourt\dot\Documents\DOT_Offices\District 1\Projects\114019\CADD\Drawings\Design\DES454.dgn

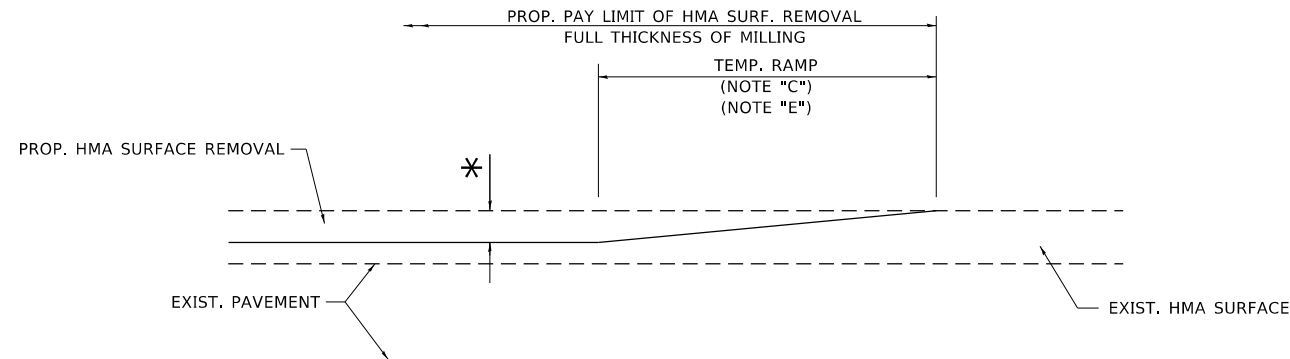
USER NAME = khanms	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01
PLOT DATE = 10/18/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

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

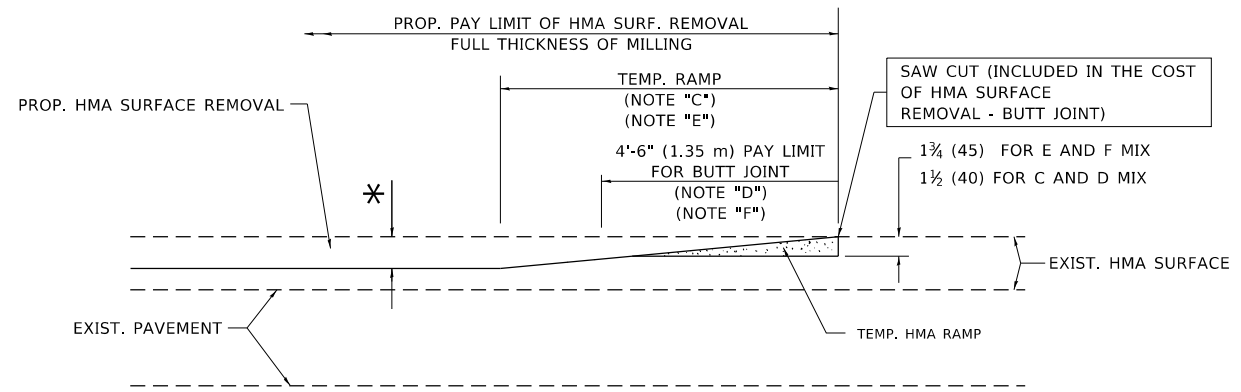
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	37
BD600-06 (BD-24)		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

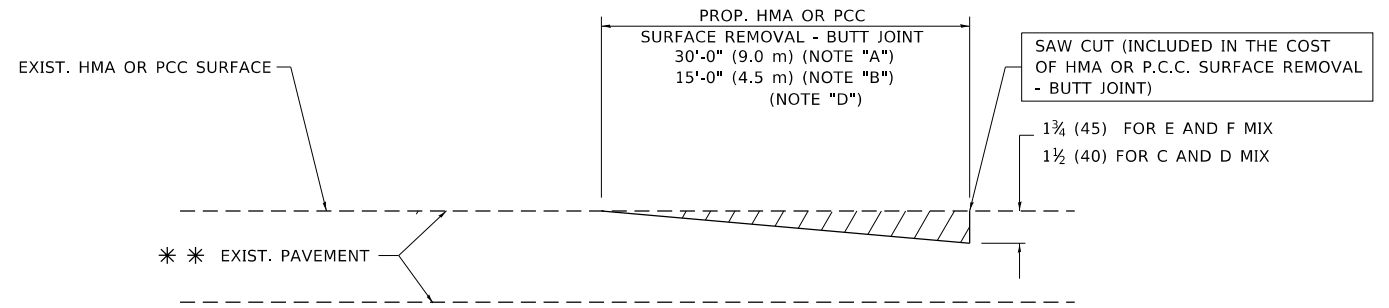


HMA CONSTRUCTED TEMPORARY RAMP

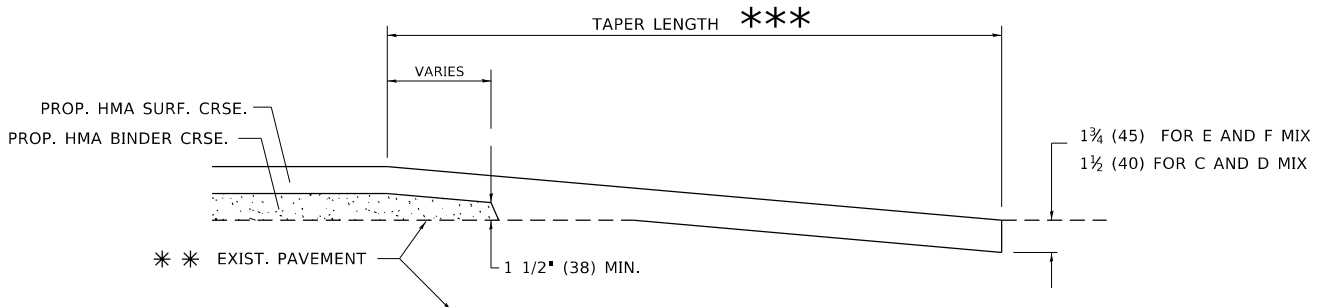
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

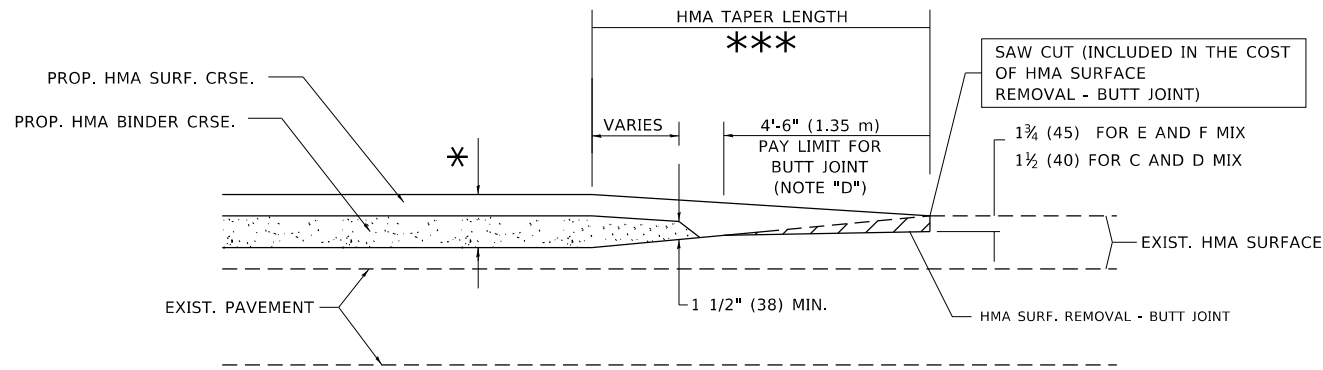
NOTES

- 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: \\harris\p\pub\harris\dot\Documents\DOT_Offices\Bartlett_1\Projects\114019\CADD\Drawings\Design\DES54.dwg

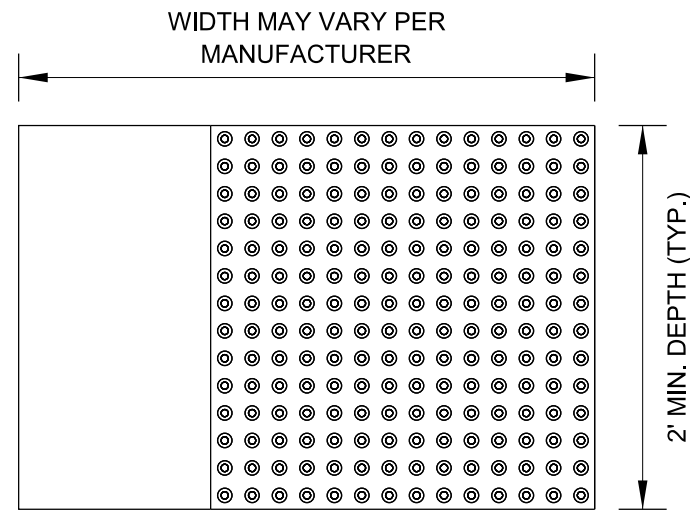
USER NAME = khanms	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 10/18/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

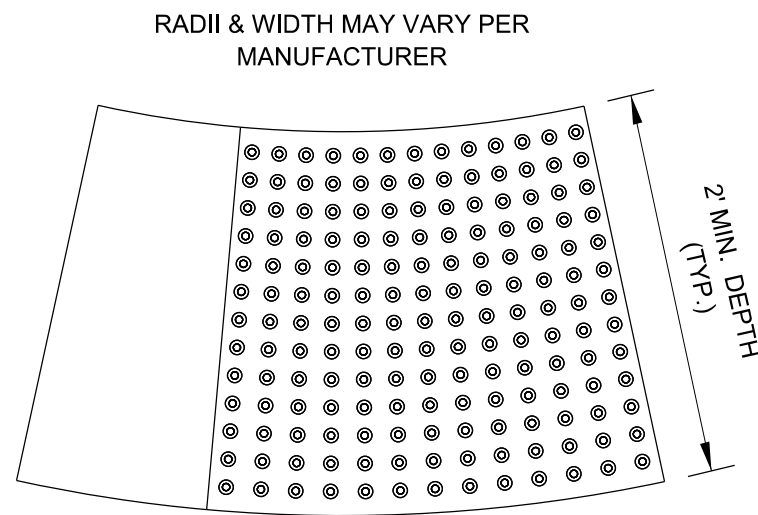
BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

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

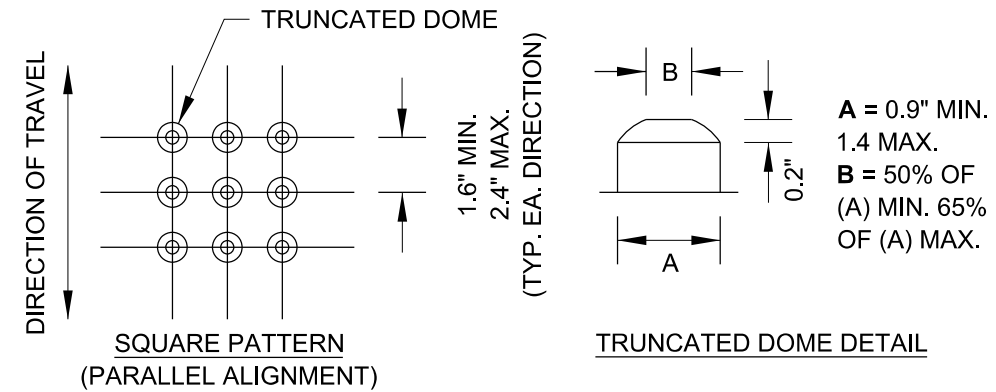


DETECTABLE WARNING UNIT SIZES

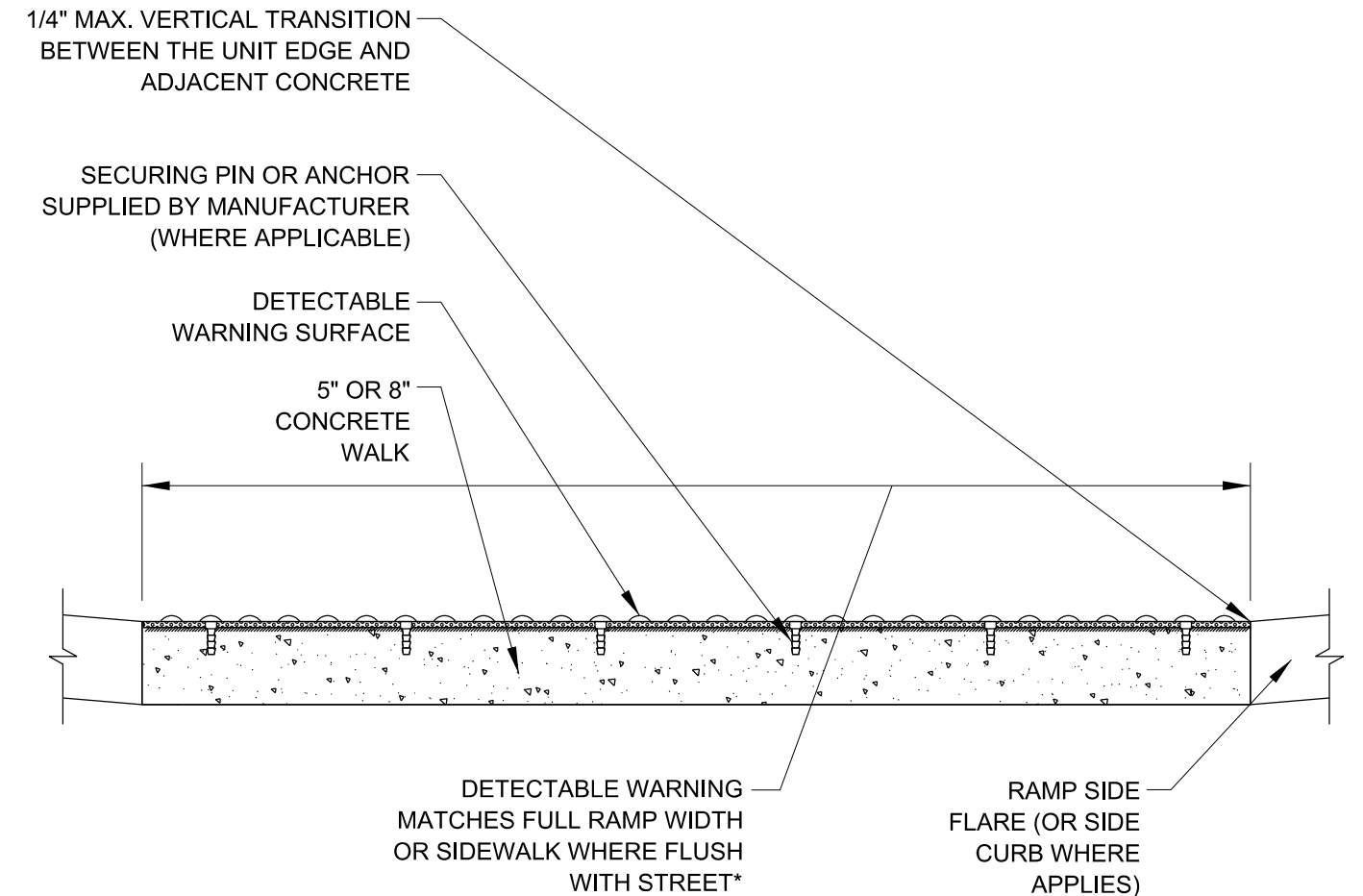
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

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.



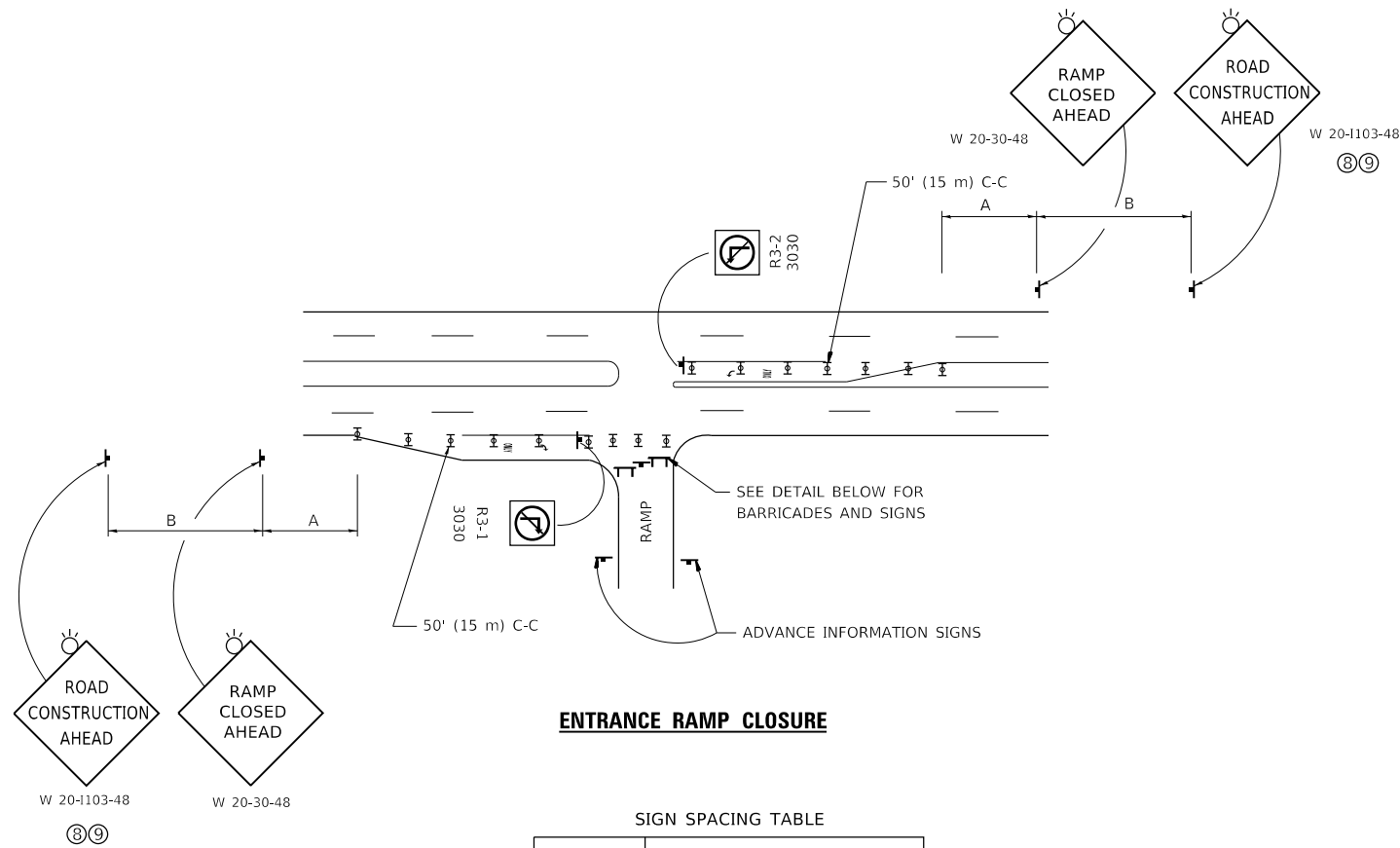
UNIT PATTERN & DOME DETAIL



*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 -		350/94	2019-019-R5	COOK	50	39			
Default	PLOT SCALE = 100.0000' / 1in.	DATE - 06-20-2017	REVISED -		BD 58			CONTRACT NO. 62H96				
	PLOT DATE = 10/18/2019	REVISED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

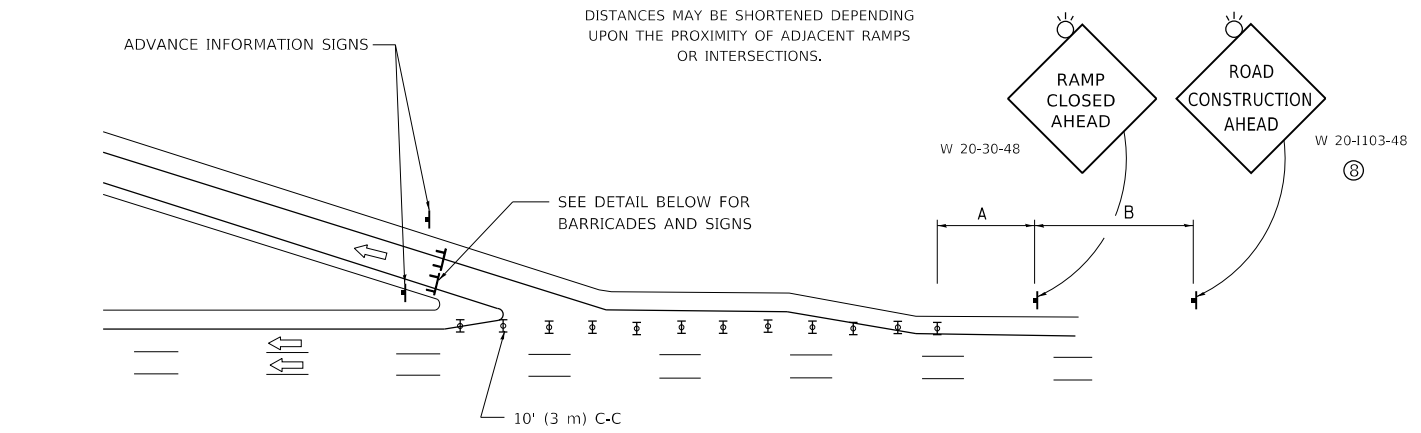


ENTRANCE RAMP CLOSURE

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)

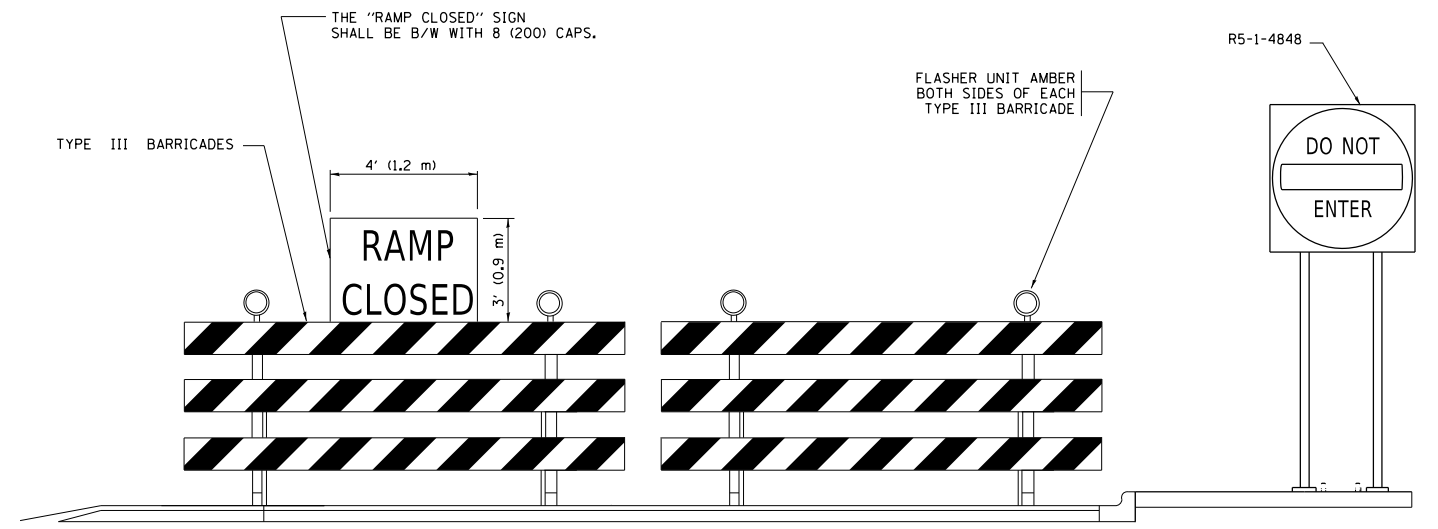
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

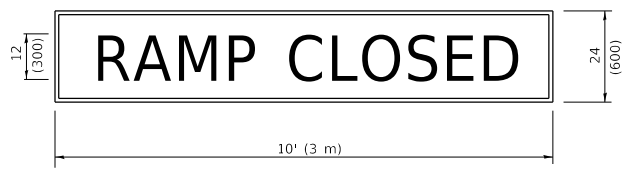
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

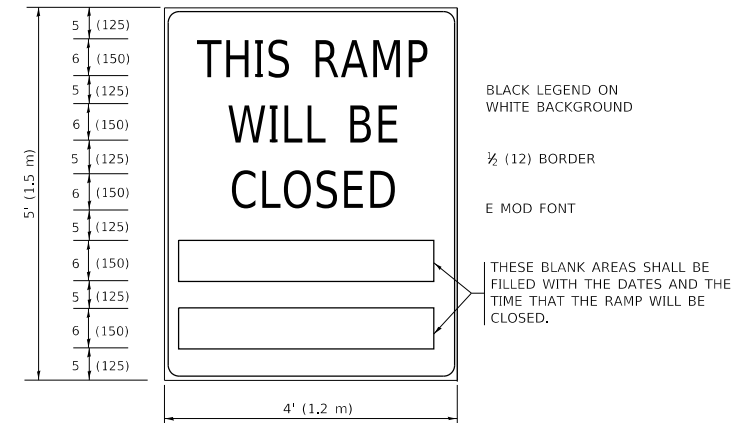
RAMP CLOSURE ADVANCE WARNING SIGN



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.

MODEL: Default
FILE: \\nashville.pva\pub\baron\m.d\illinois.gov\PWIDOT\Documents\DOT_Offices\Dir\et_1\Projects\114019\CaddData\Design\DESIGN.dgn

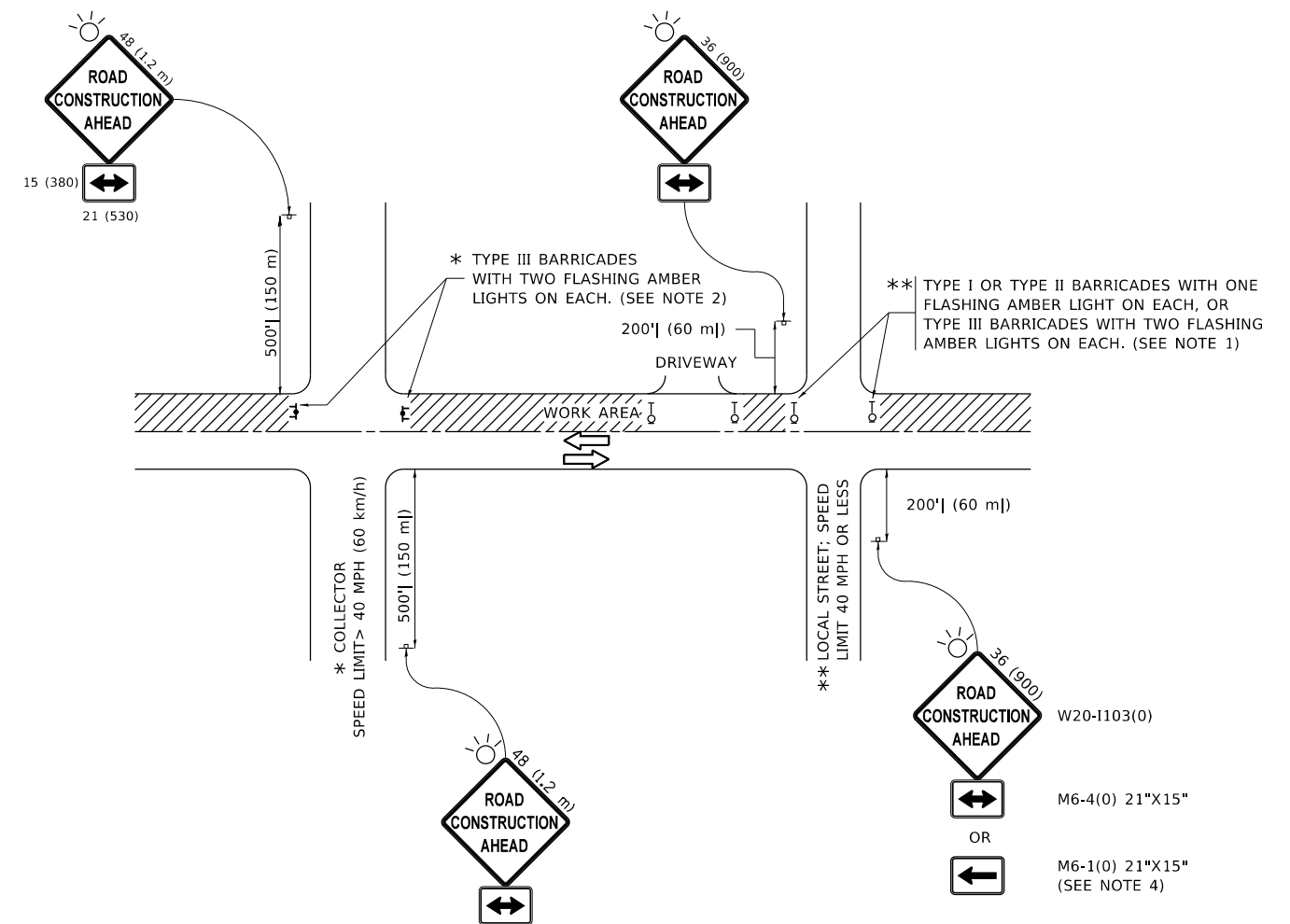
USER NAME = khanms	DESIGNED - D.W.S.	REVISED - S.P.B._01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B._12-09
PLOT DATE = 10/18/2019	DATE - 02-83	REVISED - M.D._06-13
		REVISED - M.D._01-18

**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.

MODEL: Default
 FILE: \\nashville-prod\planroom\ada\illinois.gov\PWIDOT\Documents\DOT_Offices\Director_1\Projects\114019\CADD\Drawings\Design\DESIGN.dgn

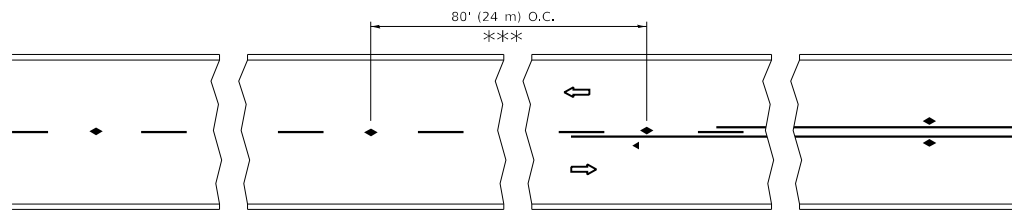
USER NAME = khamms	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 10/18/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

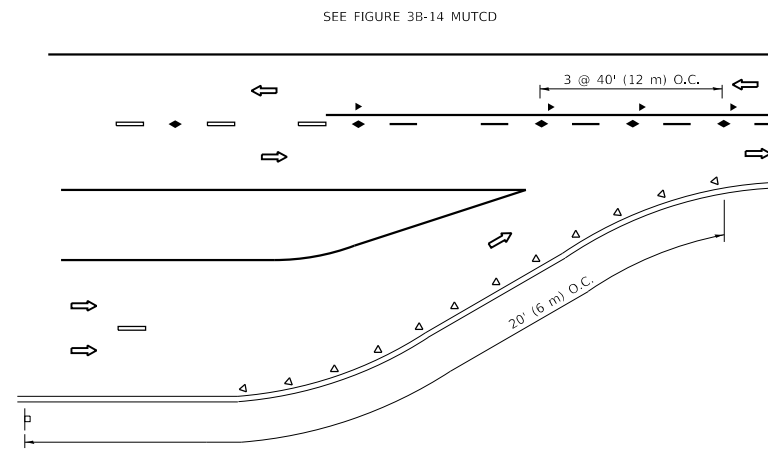
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	41
TC-10		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

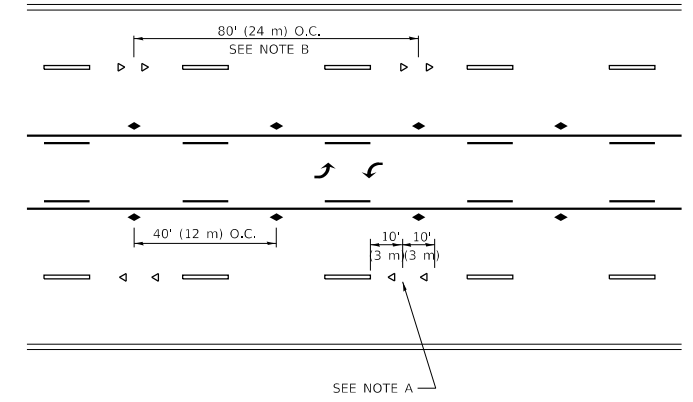


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

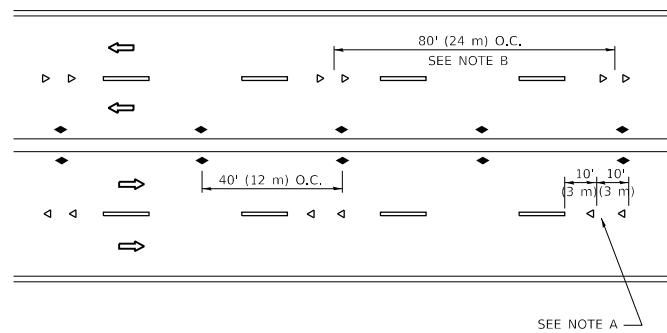
TWO-LANE/TWO-WAY



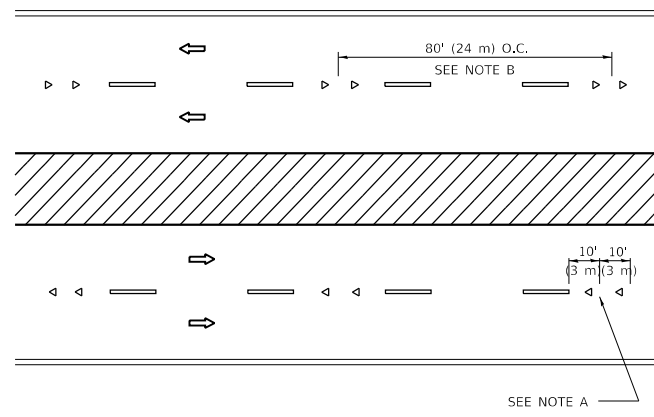
LANE REDUCTION TRANSITION



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

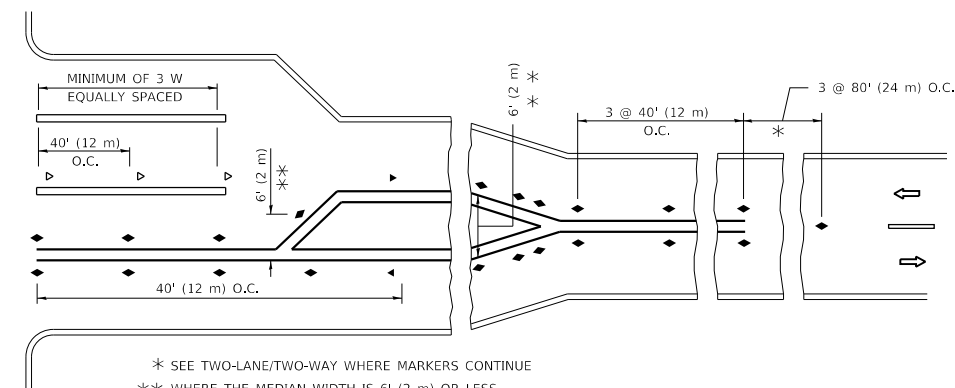
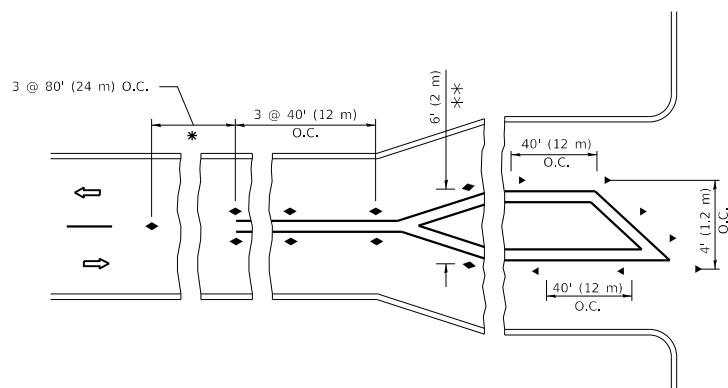
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

MODEL: Default
 FILE: \\nashville.pva\pub\baronm.d\at\illinois.gov\PIWDOT\Documents\DOT_Offices\IDirect_1\Projects\114019\CADD\Data\Design\DESIGN.dgn

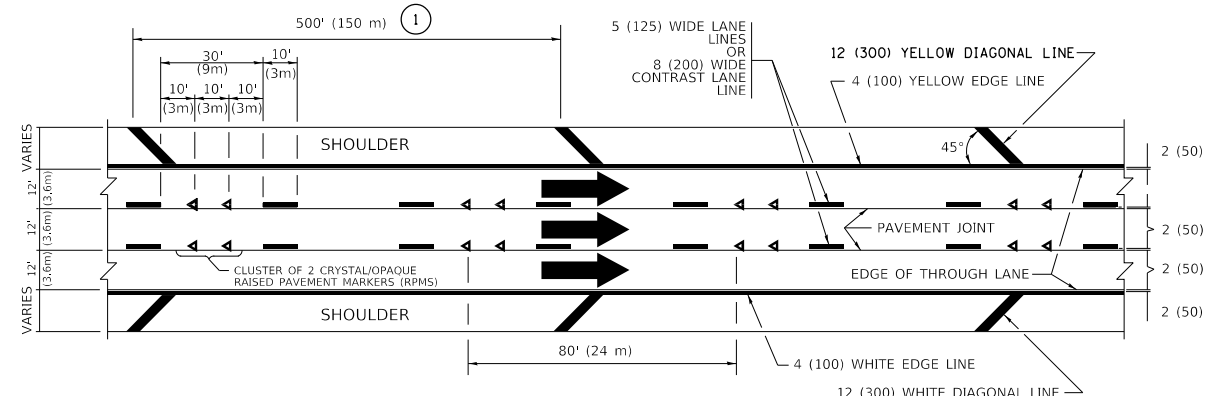
USER NAME = khanms	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 10/18/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**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.

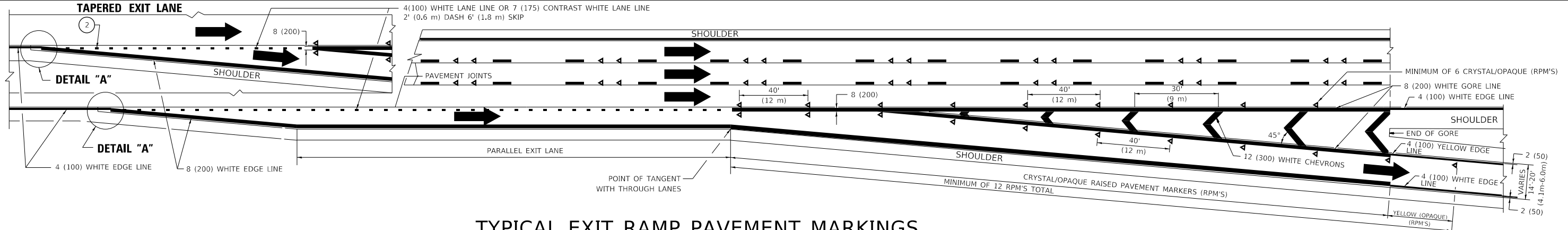
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	42
TC-11		CONTRACT NO. 62H96		
ILLINOIS		FED. AID PROJECT		



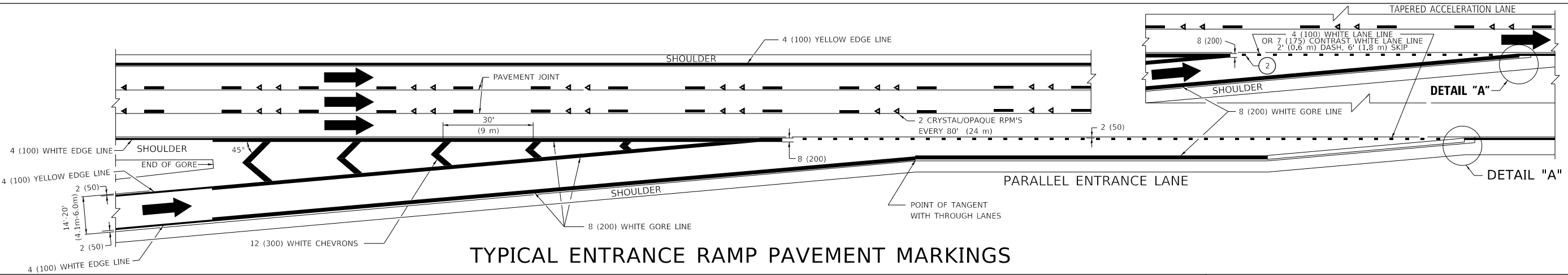
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

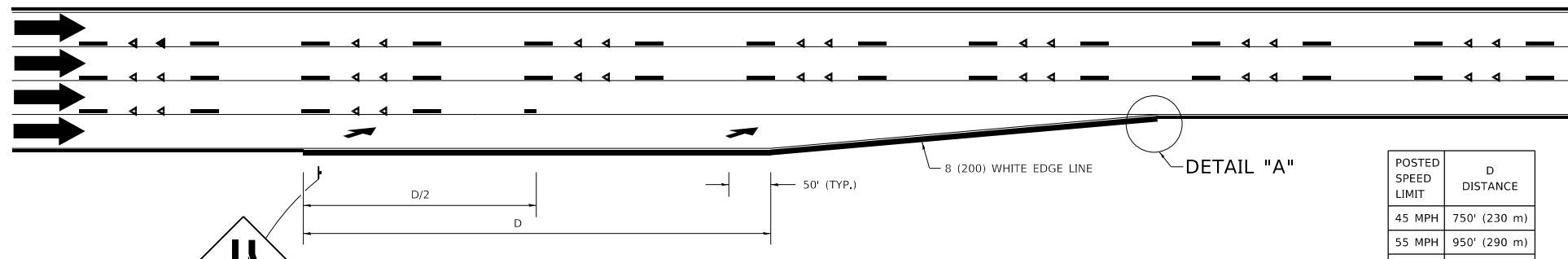
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE 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.



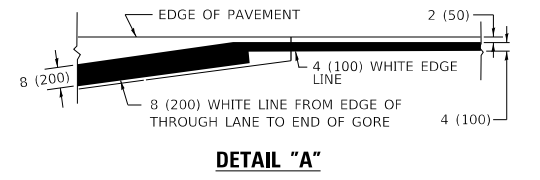
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS



- 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.

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

USER NAME = khanms	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - S.P.B. 01-10
PLOT DATE = 10/18/2019	CHECKED -	REVISED - M.D. 05-13
	DATE - 01-90	REVISED - M.D. 09-17

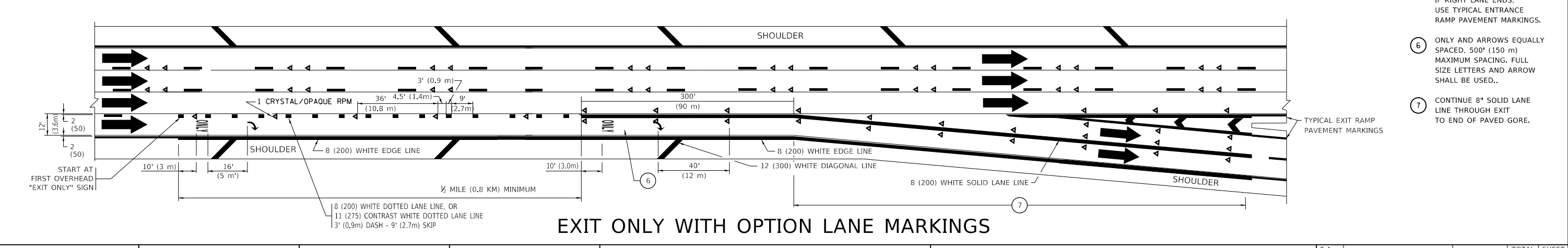
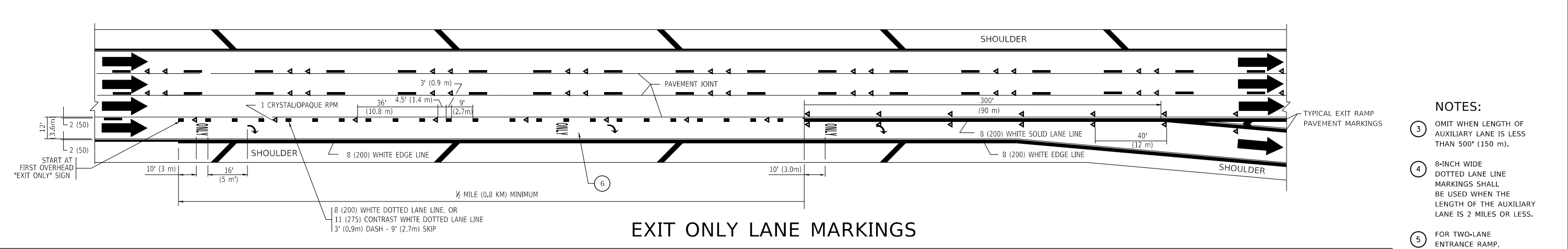
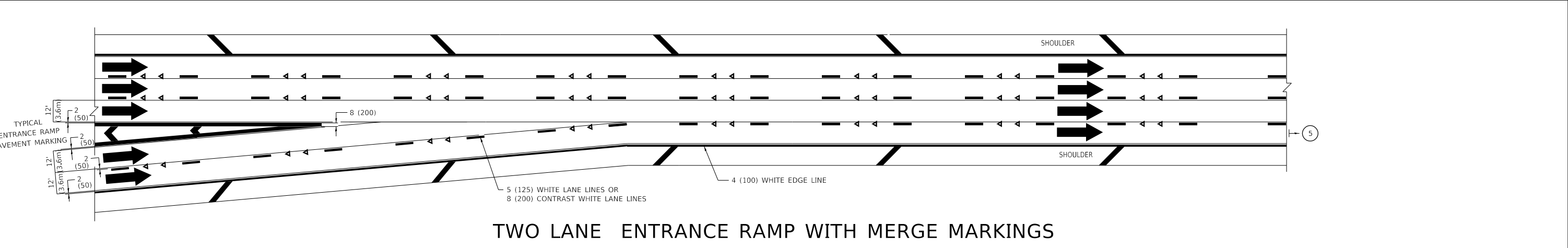
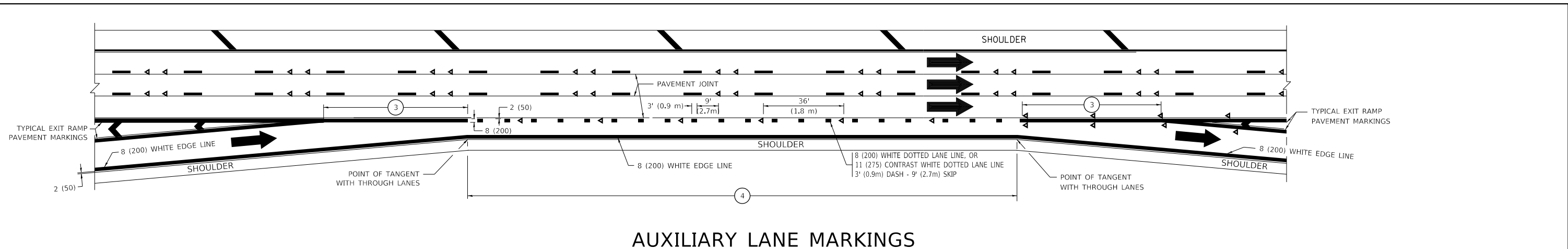
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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

F.A. RTE. 350/94	SECTION 2019-019-R5	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 43
TC-12		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

MODEL: Default FILE: Model_PlanRoom.dwg PWDOT\Documents\DOT Offices\District 1\Projects\114019\CADD\Drawings\Design\DRS\4.dwg



- 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.

MODEL: Default
 FILE: \\p1banc001\pub\p1banc001\pub\DOT\Documents\DOT - Offices\Dir\refc - 1\Projects\114019\CADD\Drawings\Design\DES.dgn

USER NAME = khanms	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 10/18/2019	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.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	44
TC-12		CONTRACT NO. 62H96		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

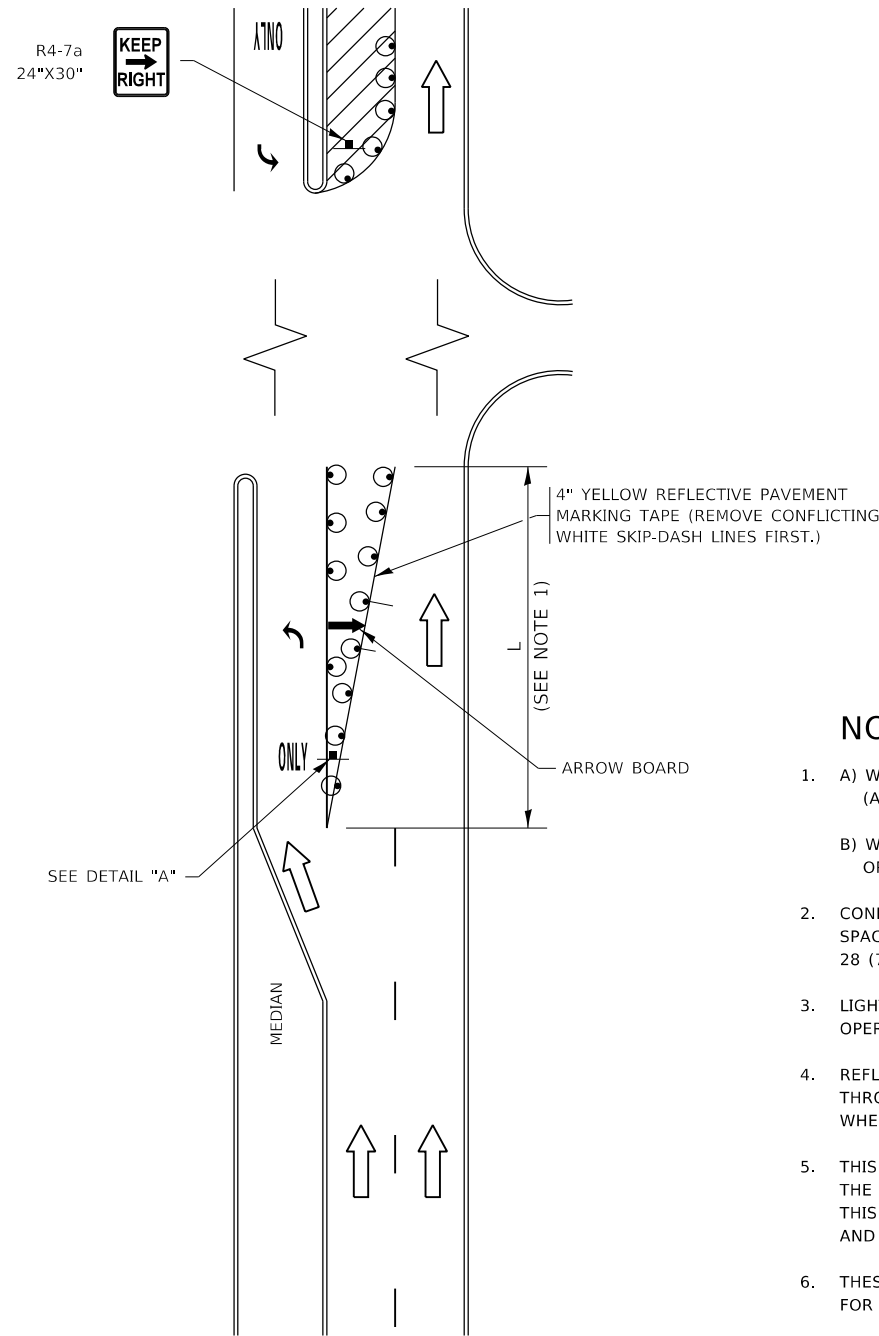


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

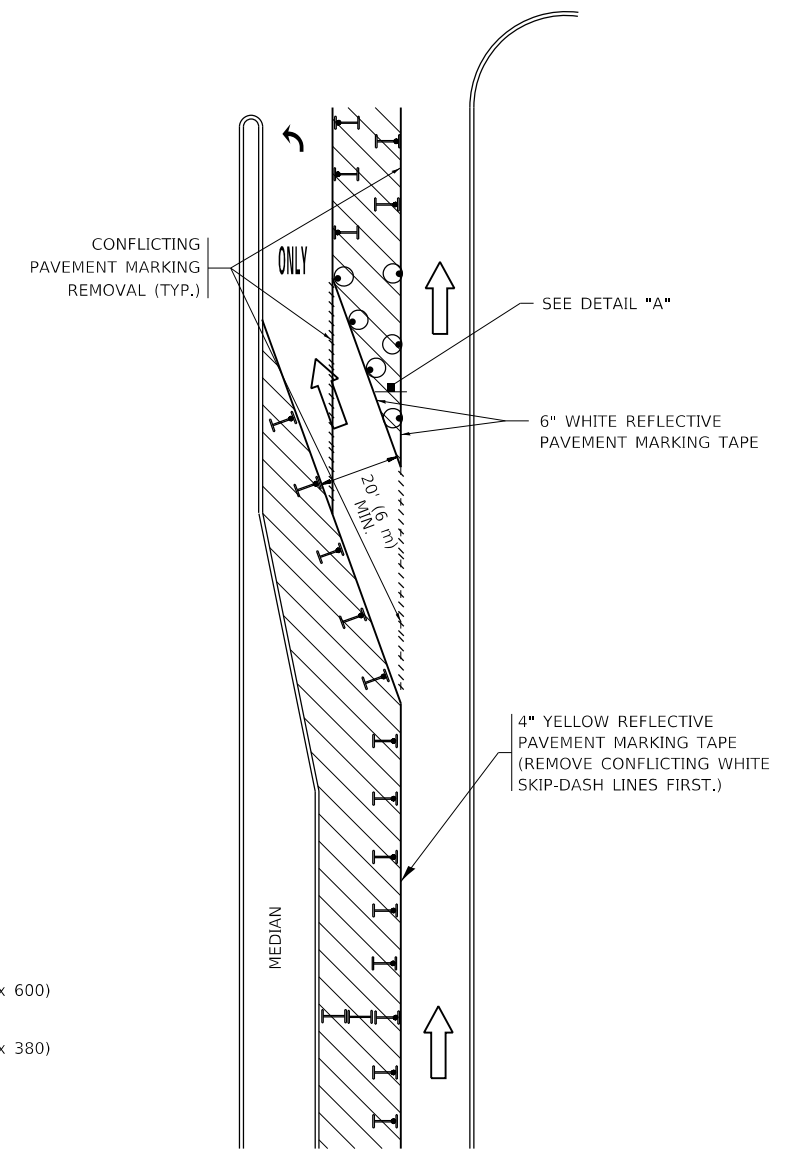
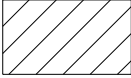
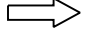







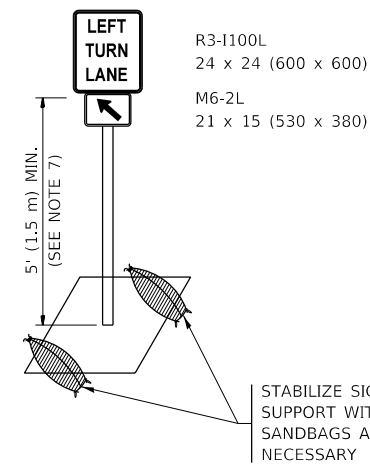
FIGURE 2

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 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.

MODEL: Default
FILE: h:\m\c\pub\planroom\dat\illinois.gov\p\w\dot\Documents\DOT_Offices\Illin\1\Projects\114019\Cadd\Data\Design\DES\54.dgn

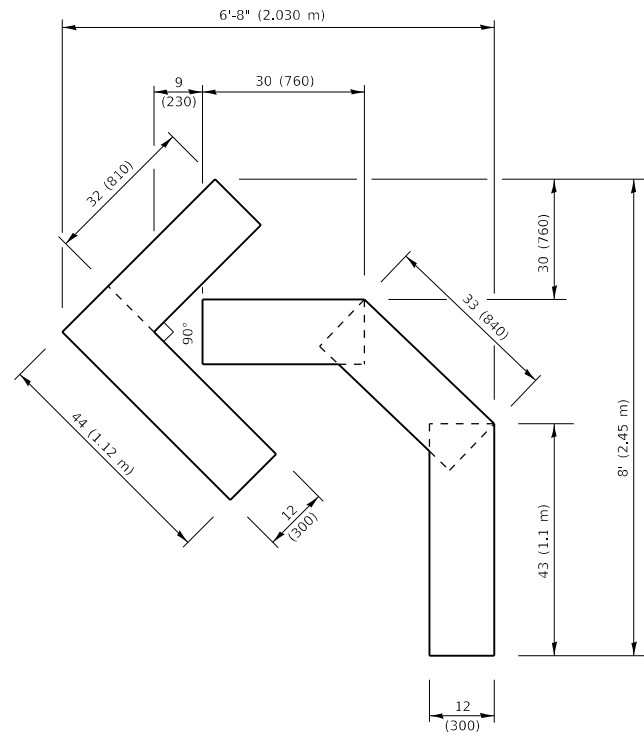
USER NAME = khanms	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 10/18/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

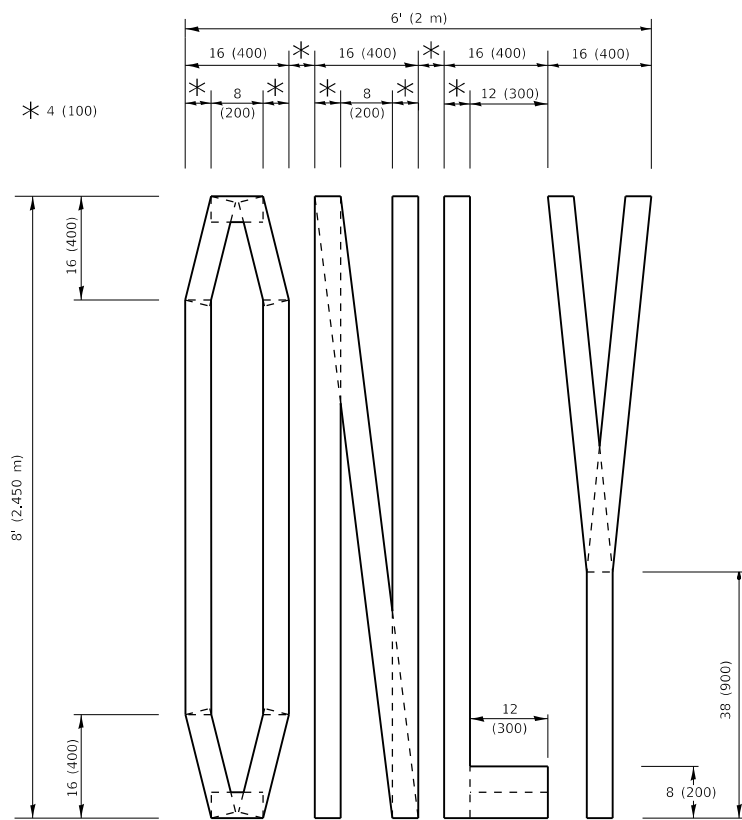
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	46
TC-14		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



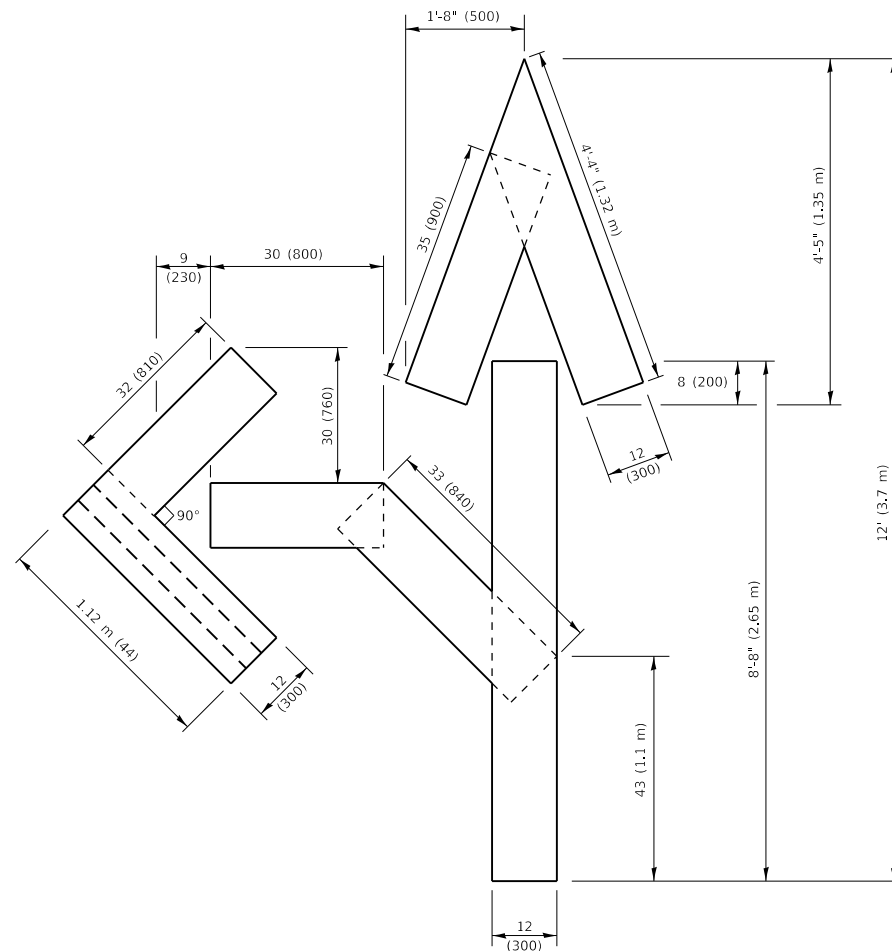
QUANTITY

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)

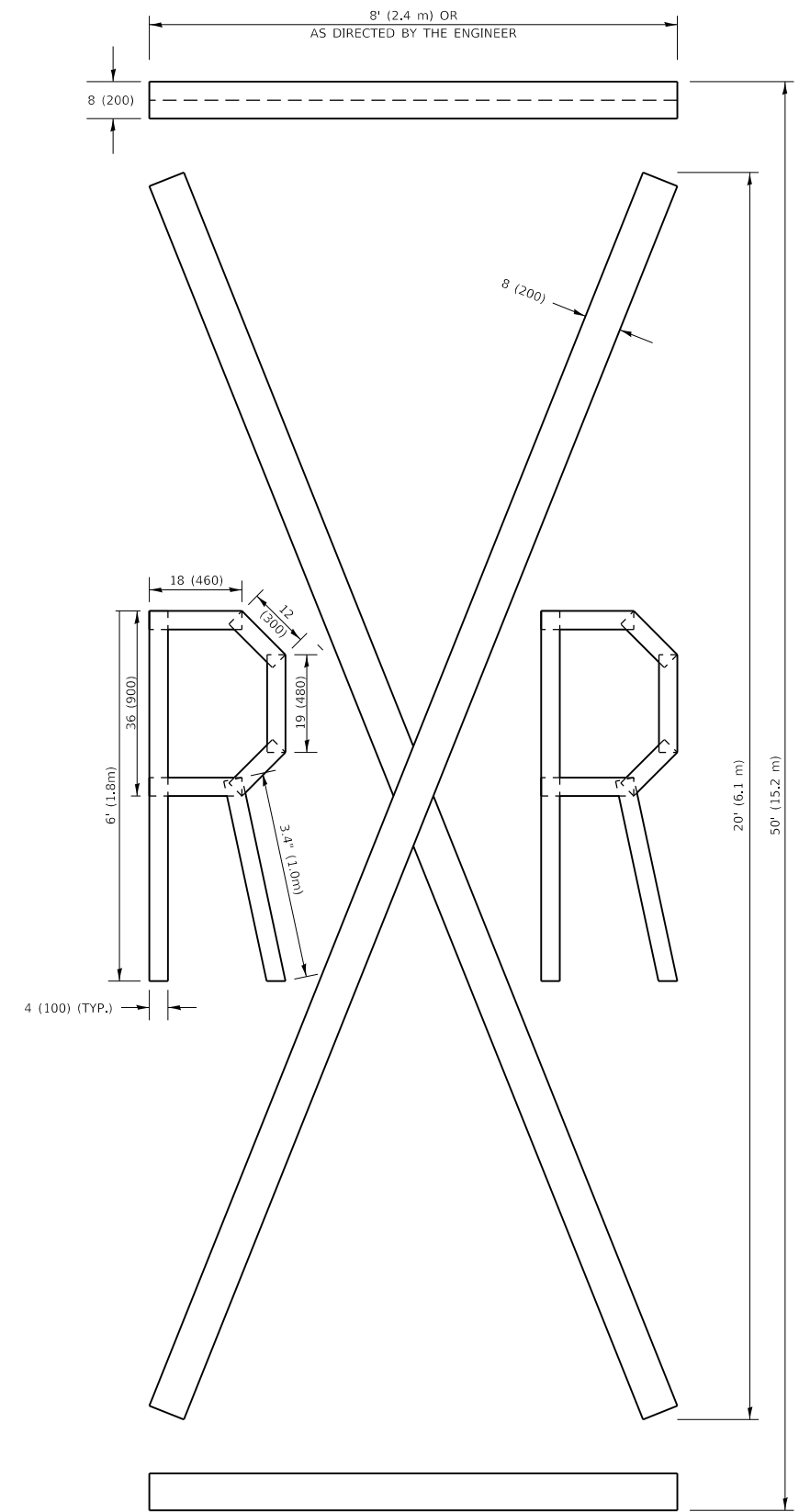


QUANTITY

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.

MODEL: Default
FILE NAME: p:\pub\barcom\cda\illinois.gov\p\DOT\Documents\DOT_Offices\Bartlett_1\Projects\0114019\CADD\Drawings\BARS.dgn

USER NAME = khanms	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 10/18/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

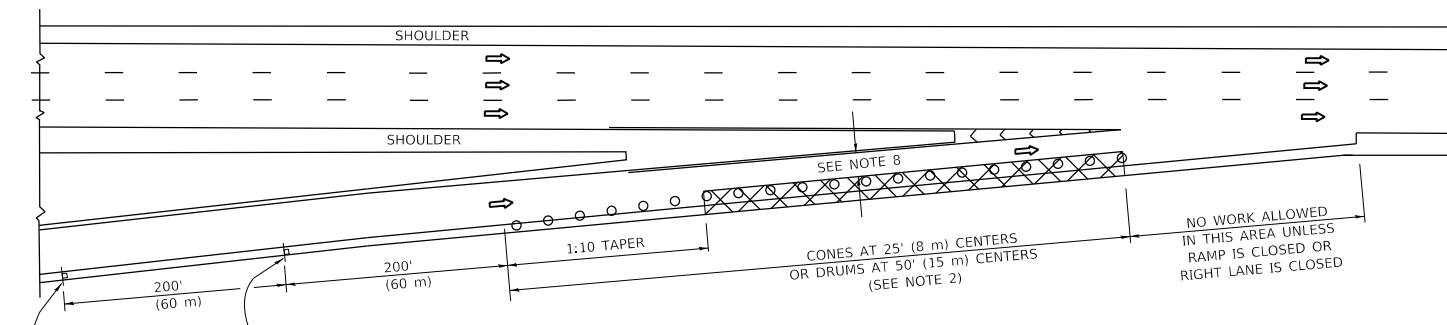
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

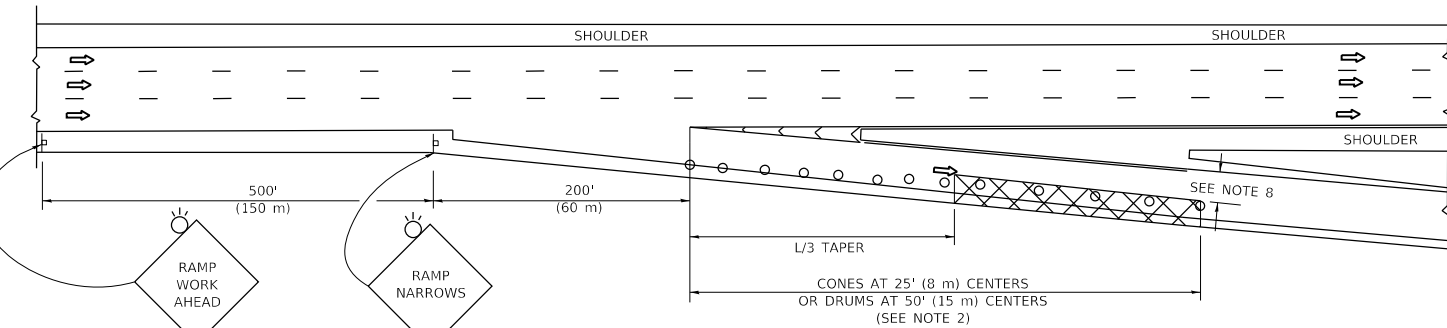
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	47
TC-16		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				

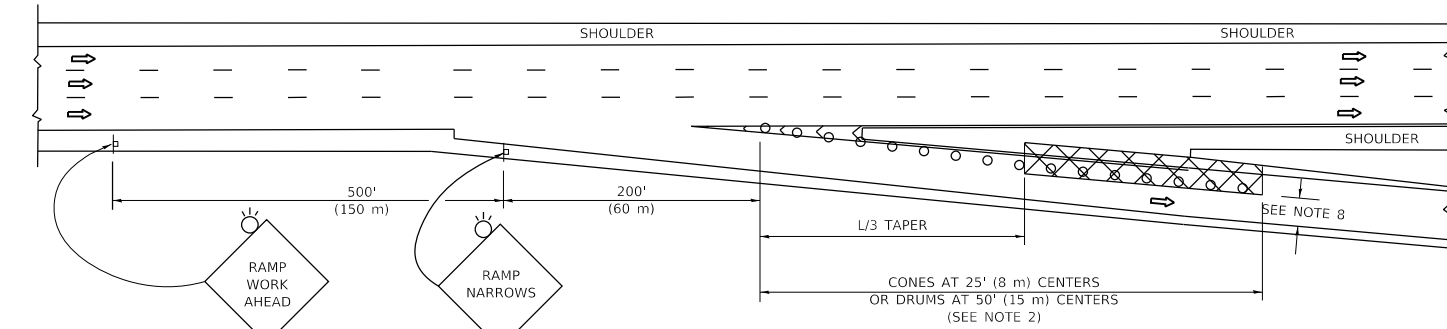
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

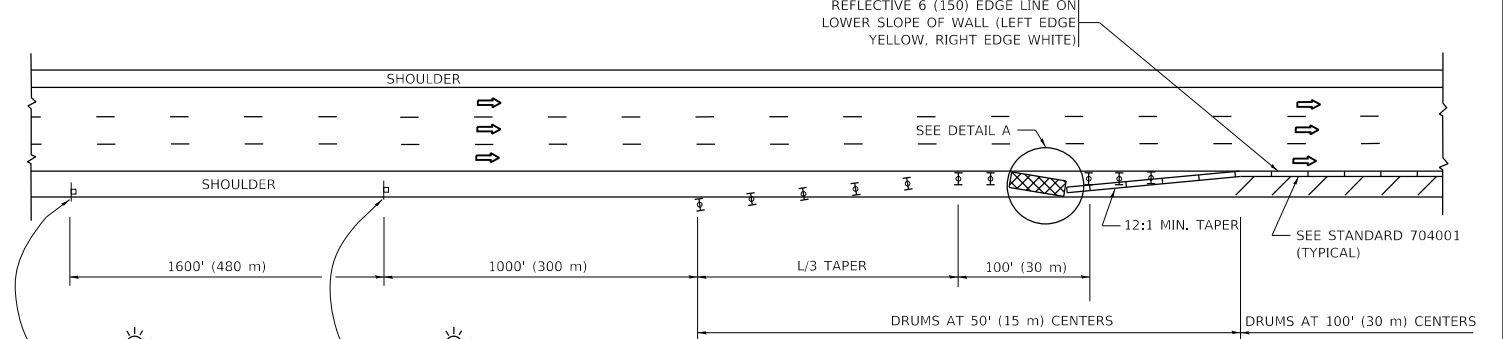
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

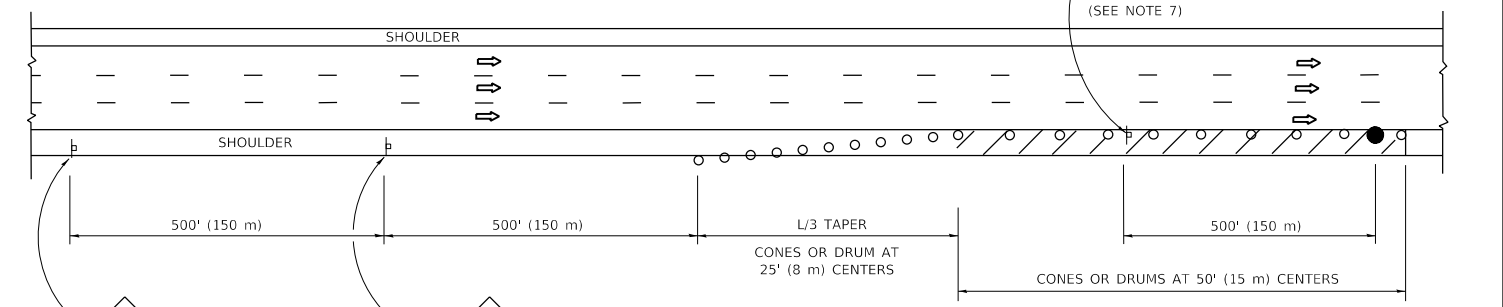
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(WXS) L=(W)XS
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. 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.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. 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.



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

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.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTTIVITY 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.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

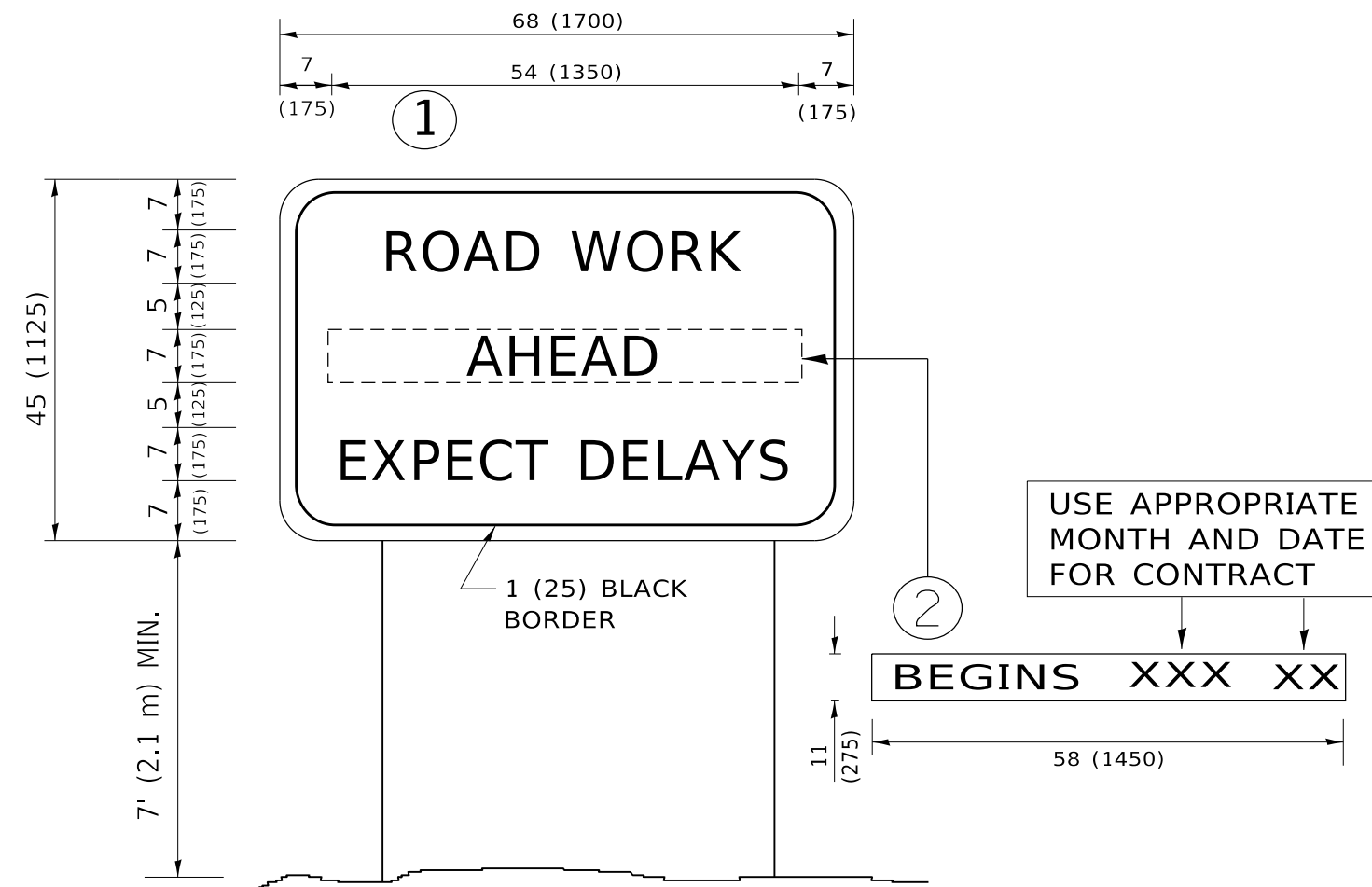
MODEL: Default; FILE: \\nchrp.com\data\illinois\gov\PIWDOT\Documents\DOT_Offices\District_1\Projects\4114019\CADD\Drawings\Design\DES\4114019.dwg

USER NAME = khanms	DESIGNED -	REVISED - S.P.B. 01-07
	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
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-pc\pub\harris\mtda\illinois.gov\PWIDOT\Documents\DOT_Offices\Dir\etec_1\Projects\114019\CADD\Drawings\Design\DESIGN.dgn

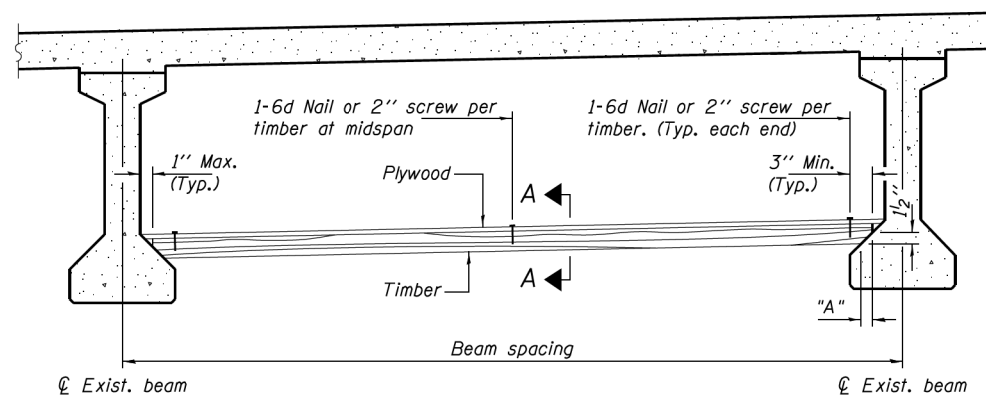
USER NAME = khanms	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 10/18/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

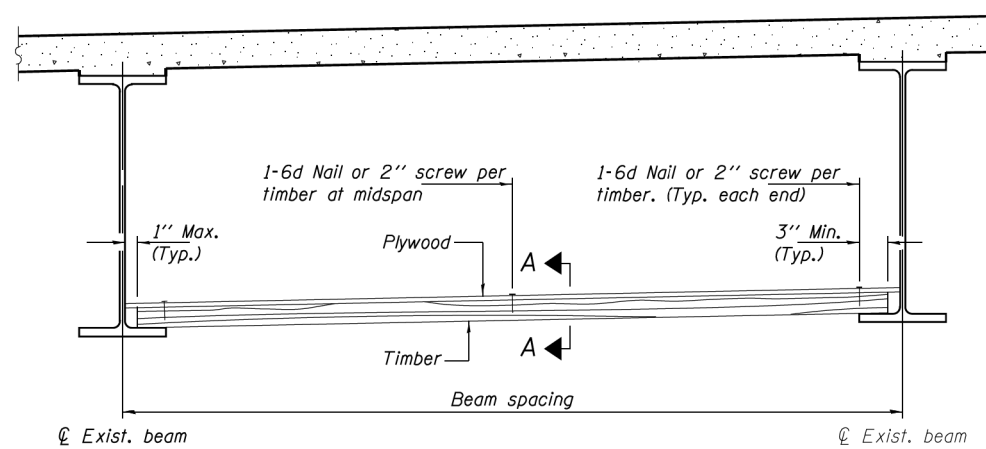
**ARTERIAL ROAD
INFORMATION SIGN**

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

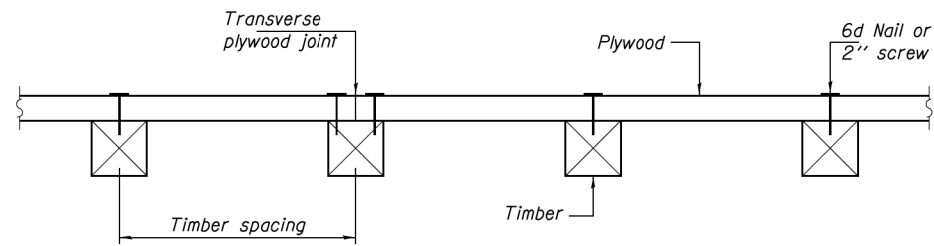
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/94	2019-019-R5	COOK	50	49
TC-22		CONTRACT NO. 62H96		
ILLINOIS FED. AID PROJECT				



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
 FILE: h:\mtrc_psd\planningroom.dta\illinois.gov\PROJECTS\DOT Documents\DOT Offices\Drafts\1\Project\114019\CADD\Drawings\DOT 114019-PSH-1-31-19.dwg

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		