

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	1
ILLINOIS			CONTRACT NO. 62L58	

D-91-479-20

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE CITY OF CHICAGO & VILLAGE OF LINCOLNWOOD

TRAFFIC DATA

2022  
DEVON AVE. = 26,000 AADT

POSTED SPEED LIMIT

DEVON AVE. = 35 MPH

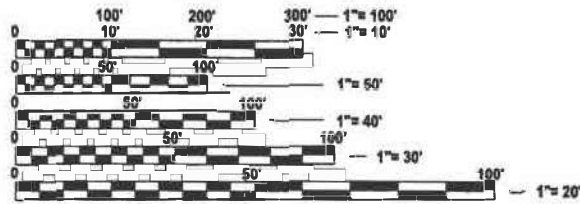
PROPOSED  
HIGHWAY PLANS

FAU ROUTE 1349: DEVON AVE  
FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)  
SECTION: 2020-080-RS&SW  
PROJECT: STP-URB AZ3V (926)  
DESIGN OVERLAY, ADA IMPROVEMENTS  
COOK COUNTY

C-91-277-20

R 13 E

IMPROVEMENT BEGINS  
STA 40+04

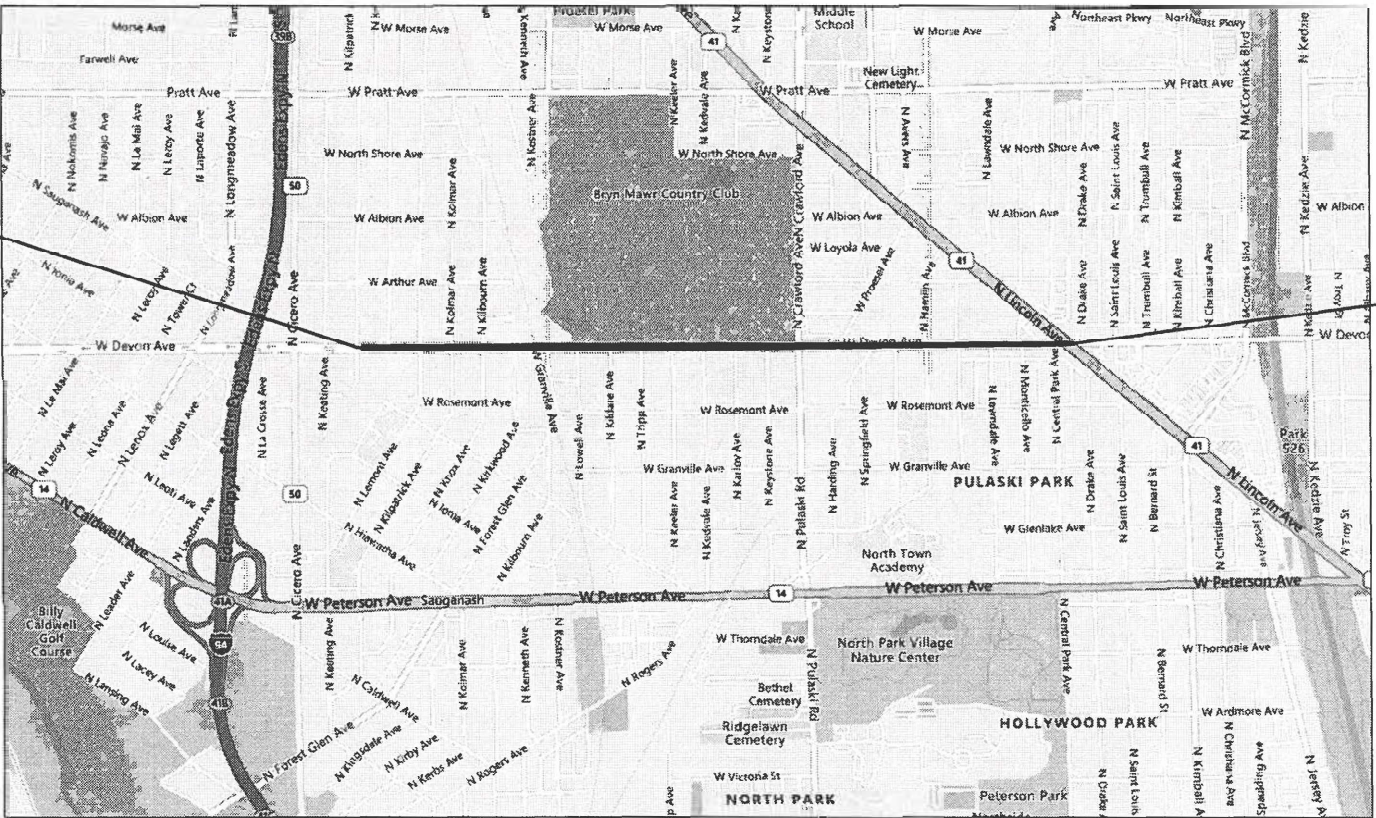


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-492-0123  
OR 811

PROJECT ENGINEER: RODRIGO LEDEZMA (847)705-4580  
PROJECT MANAGER: JEAN ALAIN MIDY (847)221-3056

CONTRACT NO. 62L58



NILES TOWNSHIP

GROSS & NET LENGTH = 7,527 FT. = 1.426 MILE



LOCATION OF SECTION INDICATED THUS: -

IMPROVEMENT ENDS  
STA 115+31

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 6, 2024

REGIONAL ENGINEER

January 31, 2025

ENGINEER OF DESIGN AND ENVIRONMENT

January 31, 2025

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

## STATE STANDARDS

## GENERAL NOTES

SHEET NO.

DESCRIPTION

1

COVER SHEET

2

INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES

3-6

SUMMARY OF QUANTITIES

7

EXISTING AND PROPOSED TYPICAL SECTIONS

8-10

ROADWAY PLAN

11

SHEET DETAIL "A"

12-29

SIDEWALK RAMP DETAILS

30-38

TRAFFIC SIGNAL MODERNIZATION AND DETECTOR LOOP REPLACEMENT PLANS

39

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)

40

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)

41

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)

42

BUTT JOINT AND HMA TAPER DETAILS (BD-32)

43

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)

44

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)

45

DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)

46

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)

47

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)

48

ARTERIAL ROAD INFORMATION SIGN (TC-22)

49

DRIVEWAY ENTRANCE SIGNING (TC-26)

50

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

51

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD-04)

52

PROJECT DETAIL FOR PARALLEL CURB RAMPS (PD-06)

STANDARD NO.

DESCRIPTION

000001-08

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

424001-12

PREPENDICULAR CURB RAMPS FOR SIDEWALKS

424006-06

DIAGONAL CURB RAMPS FOR SIDEWALKS

424011-05

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

424021-07

DEPRESSED CORNER FOR SIDEWALKS

442201-03

CLASS C AND D PATCHES

701101-05

OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE

701427-05

LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPERATION, FOR SPEEDS <40 MPH

701601-09

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

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

701901-10

TRAFFIC CONTROL DEVICES

1.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "DIGGER" AT 811 OR (312) 744-7000, J.U.L.I.E. AT 1-800-892-0123, OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

2.

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

3.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF CHICAGO AND VILLAGE OF LINCOLNWOOD.

4.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

5.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

6.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

7.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

8.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

9.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

10.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

11.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

12.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

13.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

14.

THE ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

15.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

16.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

17.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

18.

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.

19.

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

20.

FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.

21.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

22.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

23.

PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

24.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

25.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

26.

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

27.

ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.

28.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO AND OBTAIN ALL NECESSARY PERMITS.

29.

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

USER NAME = naveed.hassan

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

DATE -

REVISED -

PLOT SCALE = 0.16666633' / in.

PLOT DATE = 12/13/2024

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STANDARDS, & GENERAL NOTES

DEVON AVE. FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)

SCALE:

SHEET

OF 1

SHEETS

STA.

TO STA.

F.A.U RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

1349

2020-080-RS&SW

COOK

52

2

ILLINOIS

FED. AID PROJECT

CONTRACT NO. 62L58



MODEL: SQ001 [Sheet]  
FILE NAME: c:\p\work\lowid\hassan\0979450D\147920-shi-SQ0.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	SIGNAL			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	20200100	EARTH EXCAVATION	CU YD	575	575	0	0			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3835	3835	0	0			
	25200110	SODDING, SALT TOLERANT	SQ YD	3835	3835	0	0			
	25200200	SUPPLEMENTAL WATERING	UNIT	5	5	0	0			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	925	925	0	0			
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	82	82	0	0			
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	55	55	0	0			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30715	30715	0	0			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	16205	16205	0	0			
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	62	62	0	0			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	696	696	0	0			
	40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	4626	4626	0	0			
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3.5	3.5	0	0			
	40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	465	465	0	0			
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	34.5	34.5	0	0			
	40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	4047	4047	0	0			
	42001300	PROTECTIVE COAT	SQ YD	6200	6200	0	0			
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	59	59	0	0			
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	255	255	0	0			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11373	11373	0	0			

✱ SPECIALTY ITEM

△ NON-PARTICIPATING ITEMS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES DEVON AVE. FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)				F A U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								1349	2020-080-RS&SW	COOK	52	3
								CONTRACT NO. 62L58				
								ILLINOIS FED. AID PROJECT				

MODEL: SQQ02 [Sheet]  
FILE NAME: c:\p\p\_work\pwork\hassan\md0979450\DD147020-ah-SQQ.dgn

SUMMARY OF QUANTITIES					TYPE      CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	SIGNAL			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	60406001	FRAMES AND LIDS, TYPE 1,ADA COMPLIANT, OPEN LID	EACH	4	4	0	0			
	60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	305	305	0	0			
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1141	1141	0	0			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	190	190	0	0			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10	0	0			
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	0	0			
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	0	0			
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10	0	0			
	67100100	MOBILIZATION	L SUM	1	1	0	0			
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	0	0			
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	0	0			
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0	0			
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0	0			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	40558	40558	0	0			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	13519	13519	0	0			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	232.8	232.8	0	0			
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	4179	4179	0	0			
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2203	2203	0	0			
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	30	30	0	0			
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	100	100	0	0			
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	3850	3850	0	0			

\* SPECIALTY ITEM

△ NON-PARTICIPATING ITEMS

SUMMARY OF QUANTITIES					TYPE      CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	SIGNAL			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	10140	10140	0	0			
*	72000100	SIGN PANEL - TYPE 1	SQ FT	60	60	0	0			
*	72000200	SIGN PANEL - TYPE 2	SQ FT	28	28	0	0			
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	0	0			
*	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	2	2	0	0			
*	72900100	METAL POST - TYPE A	FOOT	2	2	0	0			
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	232.8	232.8	0	0			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4179	4179	0	0			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2203	2203	0	0			
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	30	30	0	0			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	100	100	0	0			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3850	3850	0	0			
*	78000912	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	219	219	0	0			
*	78000924	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	33	33	0	0			
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	402	402	0	0			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	402	402	0	0			
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	13907	13907	0	0			
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	228	0	0	228			
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	117	0	0	117			
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	470	0	0	470			

	USER NAME    =   naved,hassan		DESIGNED   -	REVISED   -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN       -	REVISED   -		DEVON AVE, FROM KILPATRICK AVE, TO US-41 (LINCOLN AVE.)			1349	2020-080-RS&SW	COOK	52	4
	PLOT SCALE    =   \$SCALE\$		CHECKED   -	REVISED   -					CONTRACT NO. 62L58				
	PLOT DATE       =   12/13/2024		DATE            -	REVISED   -		SCALE:	SHEET 2	OF  2  SHEETS	STA.	TO STA.	ILLINOIS   FED. AID PROJECT		



MODEL: SOQ03 [Sheet]  
FILE NAME: c:\p\work\hassan\md0979450\1479204-hh-SOQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	SIGNAL			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
*	81400200	HEAVY-DUTY HANDHOLE	EACH	2	0	0	2			
*	81400300	DOUBLE HANDHOLE	EACH	1	0	0	1			
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	0	0	3			
*	87300305	ELECTRIC CABLE IN TRENCH, LEAD-IN, NO. 14 1 PAIR	FOOT	5433	0	0	5433			
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2825	0	0	2825			
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3399	0	0	3399			
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2885	0	0	2885			
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1938	0	0	1938			
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	452	0	0	452			
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1276	0	0	1276			
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	0	0	3			
*	87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	0	0	1			
*	87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1	0	0	1			
*	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	0	0	1			
*	87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	0	0	1			
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20	0	0	20			
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54	0	0	54			
*	87900200	DRILL EXISTING HANDHOLE	EACH	23	0	0	23			
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	0	0	8			
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	0	0	4			
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	0	0	4			

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	SIGNAL			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	0	0	4			
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10	0	0	10			
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12	0	0	12			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	16	0	0	16			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1393	0	0	1393			
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3	0	0	3			
*	89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	0	0	1			
*	89502200	MODIFY EXISTING CONTROLLER	EACH	2	0	0	2			
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8342	0	0	8342			
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	11	0	0	11			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	0	0	3			
*	89502376	REBUILD EXISTING HANDHOLE	EACH	2	0	0	2			
*	89502380	REMOVE EXISTING HANDHOLE	EACH	1	0	0	1			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	0	0	7			
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0	0	1			
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	685	0	0	685			
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	145	0	0	145			
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2	0	0	2			
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	9	0	0	9			
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2	0	0	2			

\* SPECIALTY ITEM

△ NON-PARTICIPATING ITEMS

	USER NAME = naveed,hassan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -		DEVON AVE, FROM KILPATRICK AVE, TO US-41 (LINCOLN AVE.)			1349	2020-080-RS&SW	COOK	52	5
	PLOT SCALE = \$\$SCALE\$		CHECKED -	REVISED -					CONTRACT NO. 62L58				
	PLOT DATE = 12/13/2024		DATE -	REVISED -		SCALE:	SHEET 3	OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: SQ004 [Sheet]  
FILE NAME: c:\p\work\p\widolhassan\m0979450\147920-rti-SQ0.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	SIGNAL			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
*	X1400454	LED SIGNAL FACE VISOR HEATER	EACH	36	0	0	36			
	X1700091	MEDIAN SURFACE REMOVAL AND REPLACEMENT	SQ FT	926	926	0	0			
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	122	122	0	0			
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	600	600	0	0			
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	250	250	0	0			
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	15879	15879	0	0			
△	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	900	0	900	0			
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	87	87	0	0			
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	0	0			
*	X8620310	REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	0	0	1			
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	20	0	0	20			
	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	44	44	0	0			
△	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	161	0	161	0			
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	154.2	154.2	0	0			
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	3	0	0	3			
Ø	Z0076600	TRAINEES	HOUR	1000	1000	0	0			
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000	0	0			

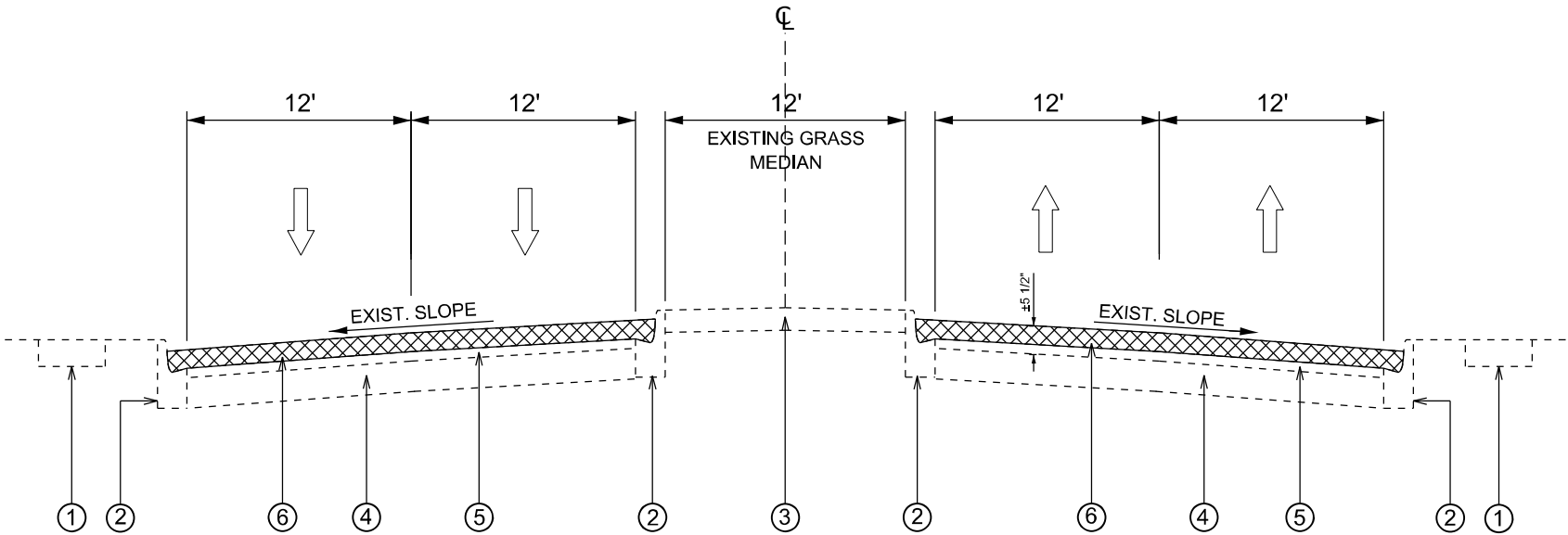
\* SPECIALTY ITEM

△ NON-PARTICIPATING ITEMS

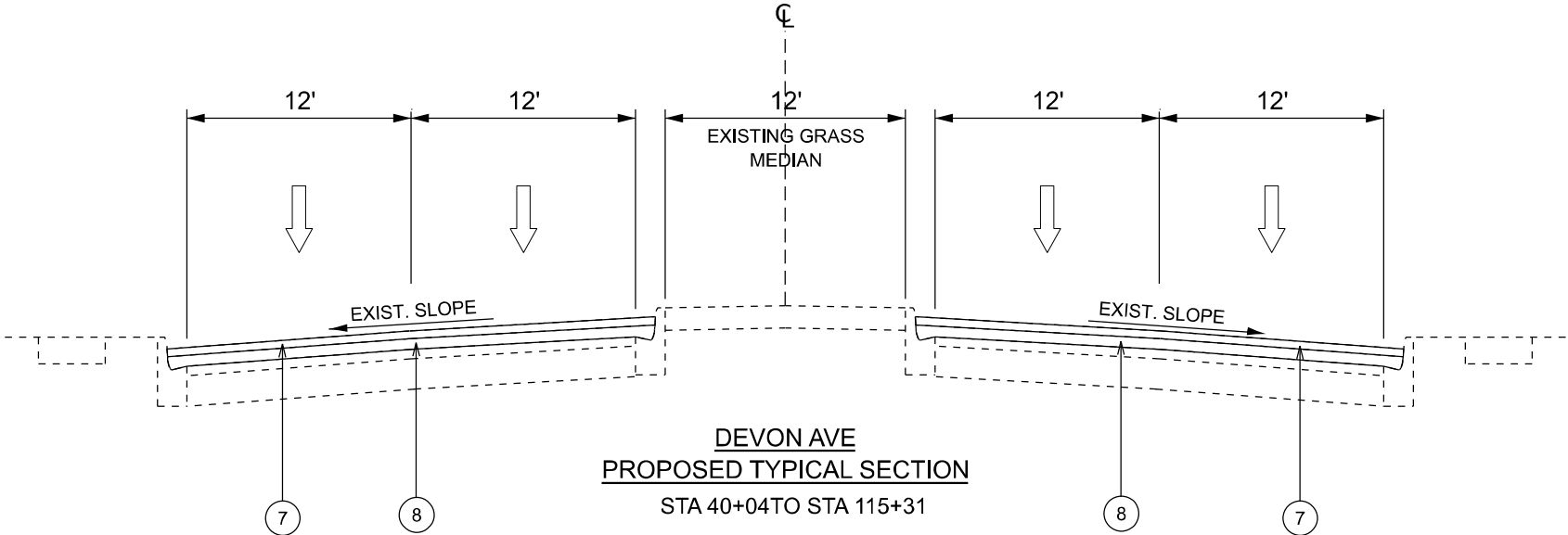
Ø 0042

	USER NAME = naveed.hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES DEVON AVE. FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1349	2020-080-RS&SW	COOK	52	6
	PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -					CONTRACT NO. 62L58				
	PLOT DATE = 12/13/2024	DATE -	REVISED -					ILLINOIS   FED. AID PROJECT				
SCALE:		SHEET OF 4 SHEETS		STA.		TO STA.						





DEVON AVE  
EXISTING TYPICAL SECTION  
STA 40+04 TO STA 115+31



DEVON AVE  
PROPOSED TYPICAL SECTION  
STA 40+04 TO STA 115+31

LEGEND

- ① EXISTING SIDEWALK
- ② EXISTING COMB. CONC. CURB AND GUTTER
- ③ EXISTING MEDIAN (GRASS OR ASPHALT)
- ④ EXISTING P.C.C. BASE COURSE ±7"
- ⑤ EXISTING HMA PAVEMENT ± 1 3/4"
- ⑥ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ⑦ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80 1 3/4"
- ⑧ PROPOSED HMA BINDER COURSE, IL-9.5, N70, 2"

HOT-MIX ASPHALT MIXTURE REQUIREMENT		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOID @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 1 3/4"	3.5% at 80 GYR	QCP
HMA BINDER COURSE, IL-9.5, N70, 2"	4% AT 70 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER, 19.0 MM)	4% AT 70 GYR.	QC/QA
DRIVEWAY		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% AT 50 GYR.	QC/QA
HOT-MIX ASPHALT BASE COURSE 6", 8" (HMA BINDER, 19.0)	4% AT 50 GYR.	QC/QA
TEMPORARY RAMP		
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (VAR. DEPTH)	4% AT 70 GYR.	QC/QA
RESURFACING AROUND ADA RAMPS		
HOT-MIX ASPHALT SURFACE COURSE, IL9.5, MIX "D", N50, 2"	4% AT 50 GYR.	QC/QA
MEDIAN SURFACE		
HOT-MIX ASPHALT SURFACE COURSE, IL9.5, MIX "D", N50, 4"	4% AT 50 GYR	QC/QA
NEW LEFT TURN ONLY		
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 1 3/4"	3.5% at 80 GYR	QCP
HMA BINDER COURSE, IL-9.5, N70, 2"	4% AT 70 GYR.	QCP
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N90, 9"	4% AT 90 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL /QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP) PAY FOR PERFORMANCE (PFP)		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTES

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE COST OF MILLING OVER THE GUTTER FLAG IS INCLUDED IN THE COST OF SURFACE REMOVAL.
3. THE COST OF C&G REMOVAL SHALL INCLUDE THE COST OF HMA OVERLAY REMOVAL OVER THE GUTTER.
4. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER HMA BINDER COURSE IL-9.5 N70.

MODEL: TYPICAL SECTIONS (Sheet)  
FILE NAME: c:\p\work\hassan\m0979450\147920-ahh-typical.dgn

PLOT DATE = 12/12/2024	USER NAME = naveed.hassan	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	DATE -	REVISED -	

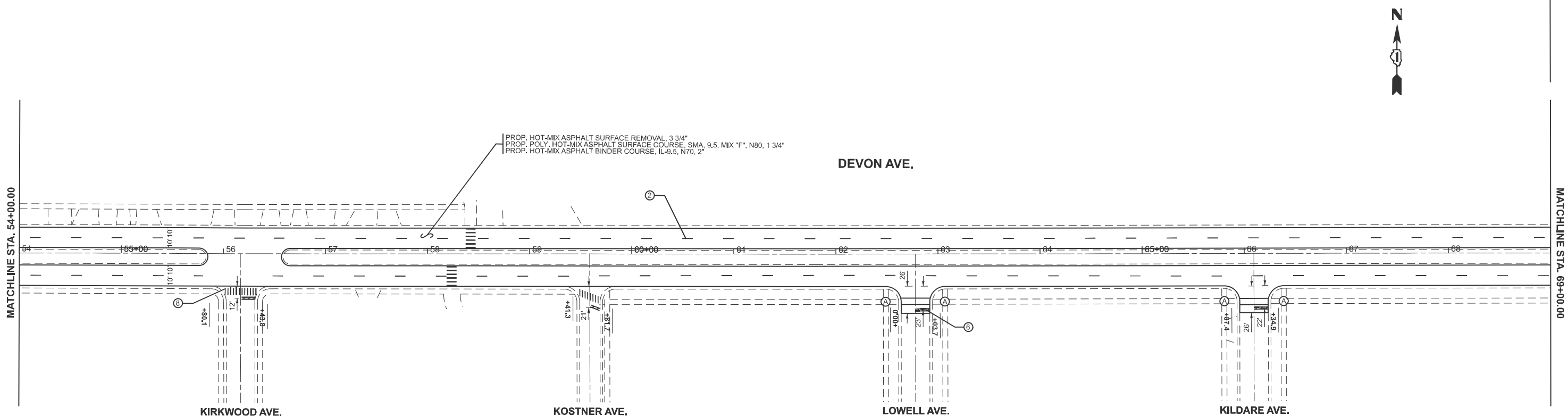
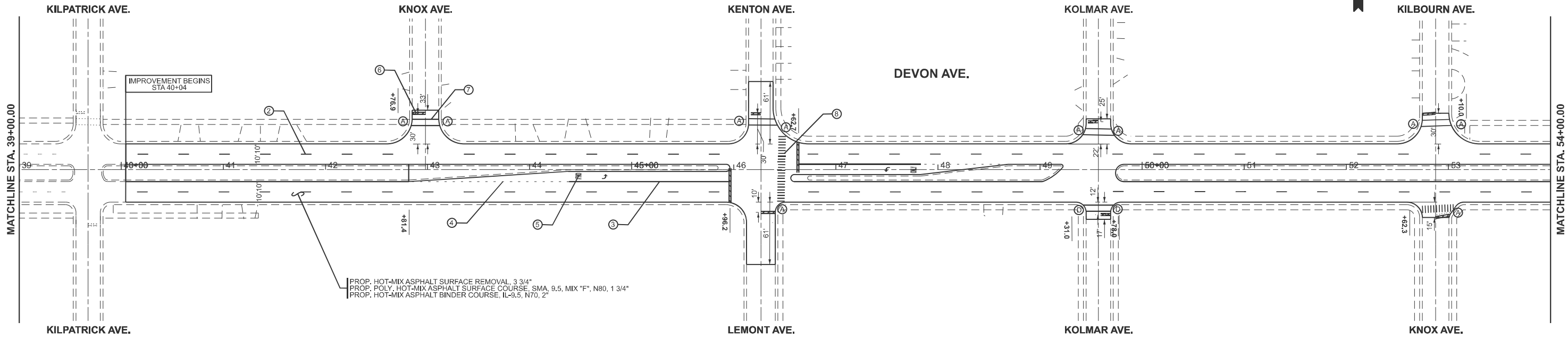
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS  
DEVON AVE, FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)

SCALE: SHEET OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	7
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND					
①	PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)	④	PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)	⑧	PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6" C-C 2', WHITE (TYP.)
②	PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)	⑤	PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)	⑨	PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
③	PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.)	⑥	PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)	⑩	PROP. THERMOPLASTIC PVMT MARKING 4", 6' DASH 18' SKIP, YELLOW (TYP.)
		⑦	PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6" C-C, WHITE (TYP.)	⑪	PROP. THERMOPLASTIC PVMT, MARKING 12" MEDIAN @ 45 75' C-C, YELLOW (TYP.)



SIDEWALK LEGEND			
Ⓐ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS		
Ⓑ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING WITH FULL WIDTH		
Ⓒ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PD-04A		
Ⓓ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PD-06A		

MODEL: EXCL - RdwyPlan 10  
FILE NAME: c:\pwy\_work\kwidolhassan\m0979450\147920-shd-plan.dgn

USER NAME	= naveed.hassan	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE	= 12/13/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

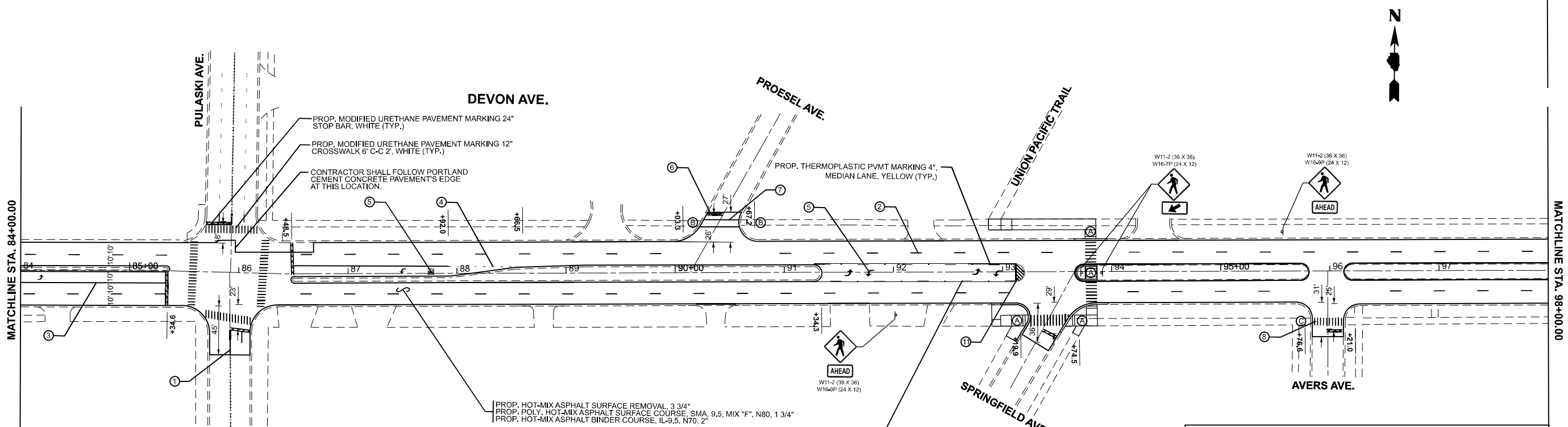
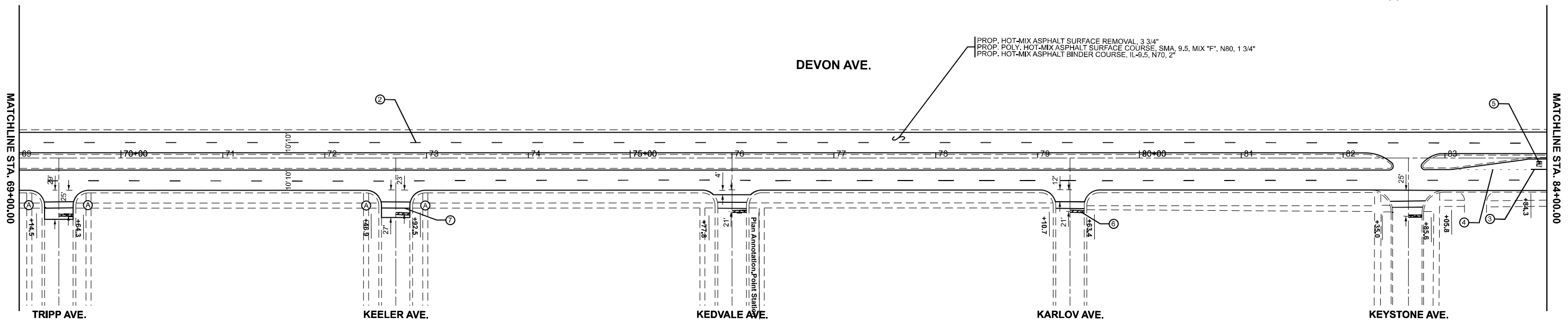
EXISTING AND PROPOSED ROADWAY PLAN  
DEVON AVE, FROM KILPATRICK AVE, TO US-41 (LINCOLN AVE.)

SCALE: 1"=50'      SHEET 2      OF 4      SHEETS      STA. 39+00.00      TO STA. 69+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	8
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



<u>PAVEMENT MARKING LEGEND</u>			
①	PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)	④	PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)
②	PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)	⑤	PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
③	PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.)	⑥	PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
		⑦	PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.)
		⑧	PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.)
		⑨	PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
		⑩	PROP. THERMOPLASTIC PVMT MARKING 4", 6' DASH 18' SKIP, YELLOW (TYP.)
		⑪	PROP. THERMOPLASTIC PVMT, MARKING 12" MEDIAN @ 45 75' C-C, YELLOW (TYP.)



SIDEWALK LEGEND	
Ⓐ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS
Ⓑ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING WITH FULL WIDTH
Ⓒ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PD-04A
Ⓓ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PD-06A

MODEL: EXCL - RdwyPlan 12  
FILE NAME: c:\pwy\_work\pwy\hassan\m0979450\DD147920-shd-plan.dgn

USER NAME	= naveed,hassan	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 12/13/2024	DATE	-	REVISED	-

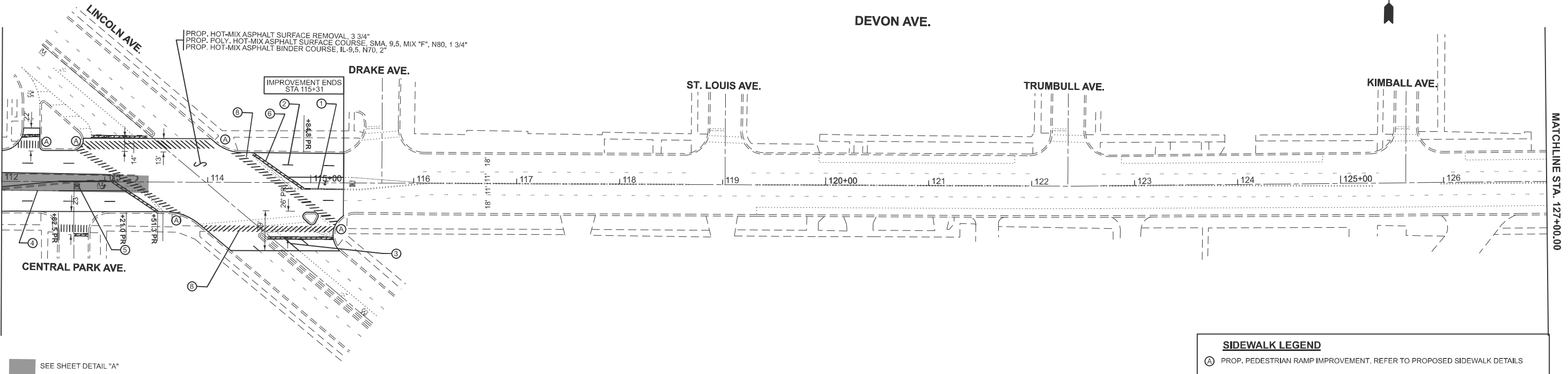
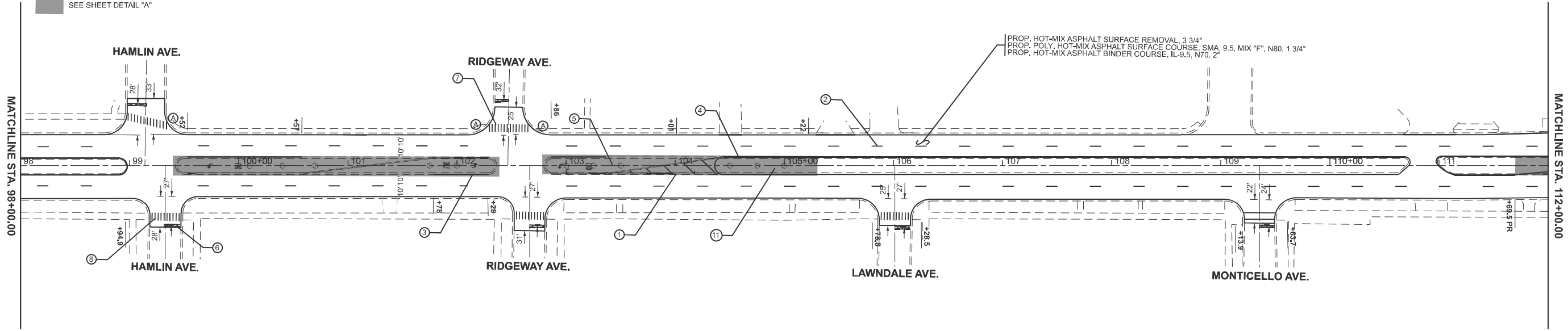
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN			
DEVON AVE. FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)			
SCALE: 1"=50'	SHEET 3	OF 4 SHEETS	STA. 69+00.00 TO STA. 98+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	9
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

<u>PAVEMENT MARKING LEGEND</u>			
①	PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)	④	PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.)
②	PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)	⑤	PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
③	PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.)	⑥	PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
		⑦	PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.)
		⑧	PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.)
		⑨	PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
		⑩	PROP. THERMOPLASTIC PVMT MARKING 4", 6' DASH 18' SKIP, YELLOW (TYP.)
		⑪	PROP. THERMOPLASTIC PVMT, MARKING 12" MEDIAN @ 45 75' C-C, YELLOW (TYP.)

DEVON AVE.



SIDEWALK LEGEND			
Ⓐ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS		
Ⓑ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING WITH FULL WIDTH		
Ⓒ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PD-04A		
Ⓓ	PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PD-06A		

MODEL: EXCL - RdwyPlan 14  
FILE NAME: c:\pwy\_work\pkwtdhassan\m0979450\147920-shd-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

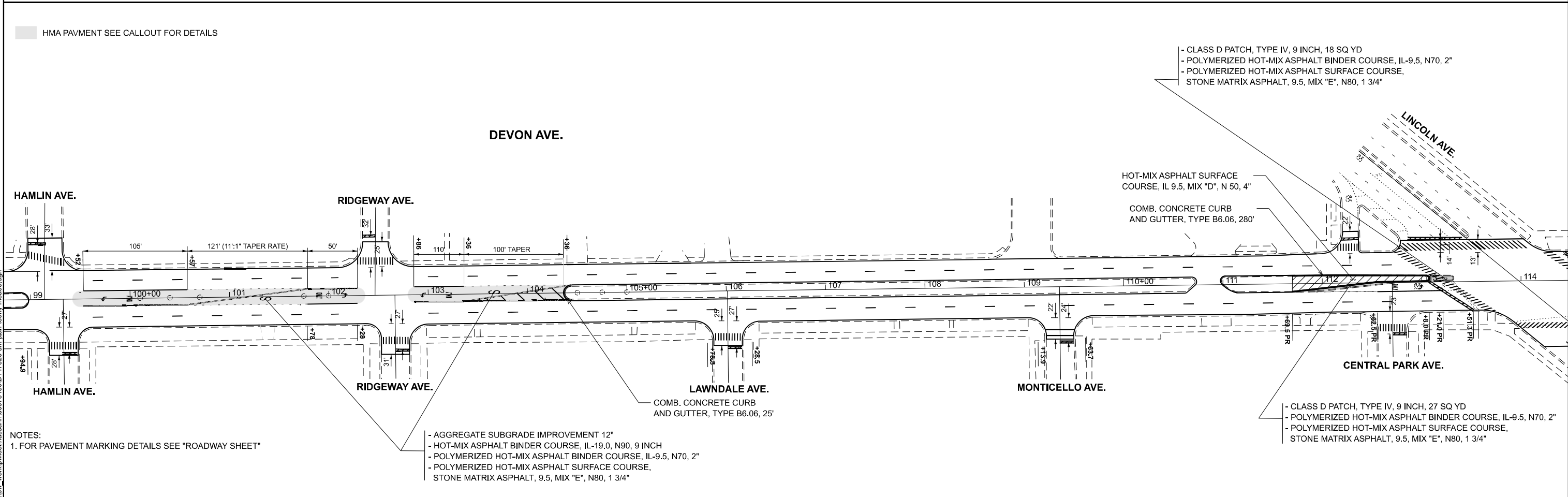
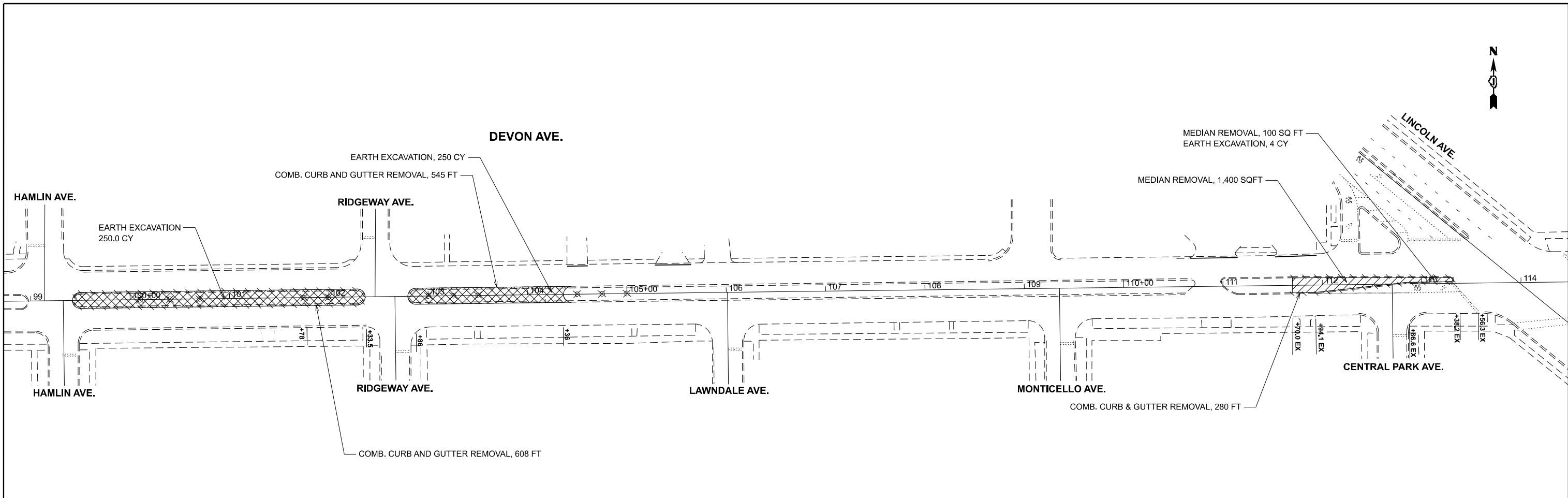
EXISTING AND PROPOSED ROADWAY PLAN  
DEVON AVE, FROM KILPATRICK AVE. TO US-41 (LINCOLN AVE.)

SCALE: 1"=50'	SHEET 4 OF 4 SHEETS	STA. 98+00.00 TO STA. 127+00.00
---------------	---------------------	---------------------------------

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	10
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



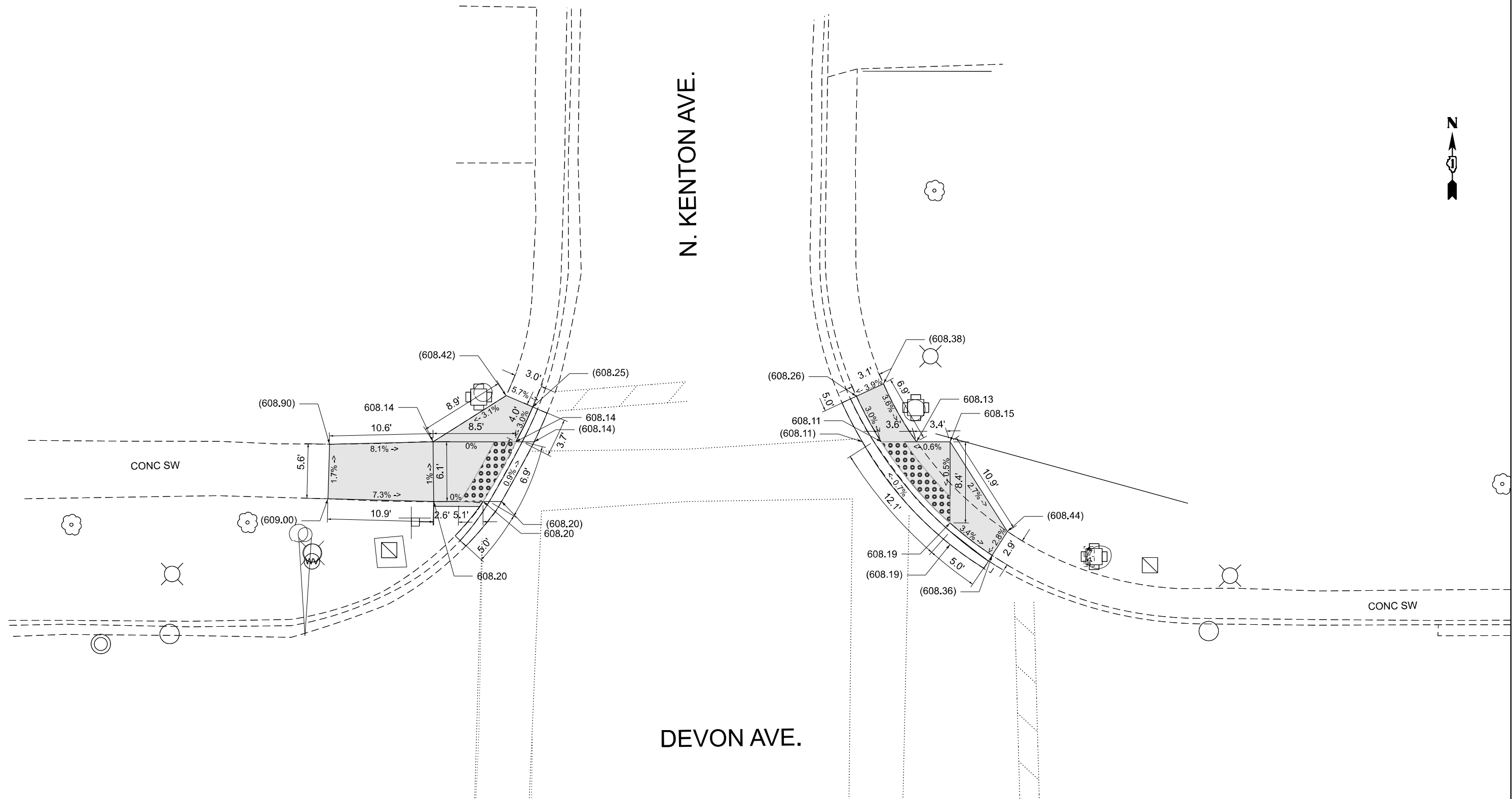
MODEL: Devon Ave.-1 [Sheet]  
FILE NAME: c:\pwworking\hassan\m0979450\147920-sh-hamlin-courby-lawndale.dgn



PLOT DATE = 12/12/2024	USER NAME = naveed.hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET DETAIL "A" DEVON AVE, FROM KILPATRICK AVE, TO US-41 (LINCOLN AVE.)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1349	2020-080-RS&SW	COOK	52	11
		CHECKED -	REVISED -					CONTRACT NO. 62L58				
		DATE -	REVISED -		SCALE: SHEET OF 4 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				



MODEL: N. KENTON AVE. [Sheet]  
FILE NAME: c:\p\work\jw\id\hassan\m0979450\0147920-sh-A-DA.dgn



PT 2900  
BENCHMARK: "SQUARE" CUT IN SOUTH CORNER OF CONCRETE BASE OF LIGHT POLE.  
ELEVATION: 608.90  
LOCATION: DEVON AVE. & KENTON AVE.

LEGEND

- xx.xx'

EXISTING LENGTH
- PROPOSED SIDE CURB

EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

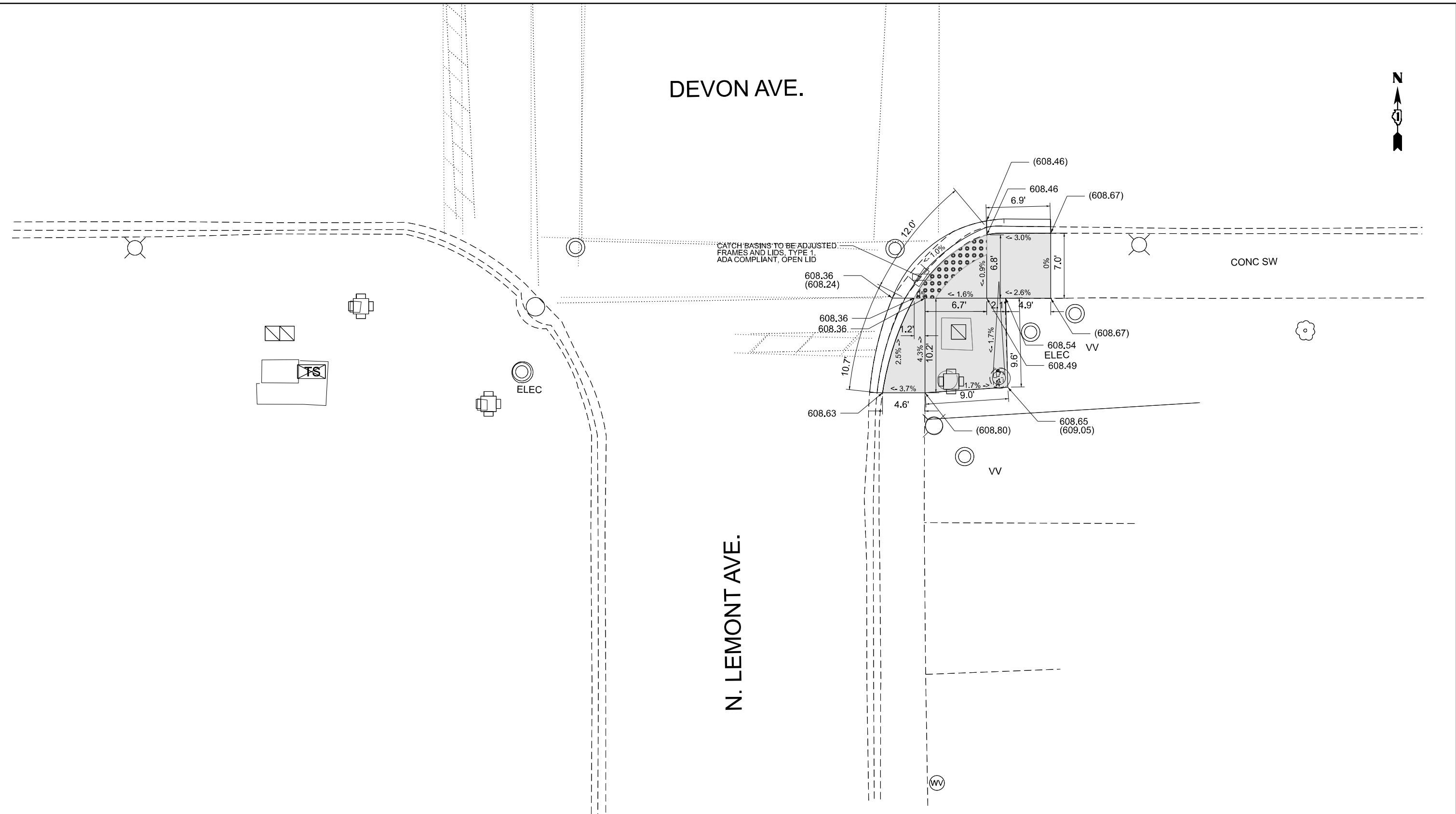
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. KENTON AVE.

SCALE: SHEET 1 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	13
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

MODEL: N. LEMONT AVE. [Sheet]  
FILE NAME: c:\p\work\p\work\hassan\m0979450\147920-sh-A-DA.dgn



PT 2900  
BENCHMARK: "SQUARE" CUT IN SOUTH CORNER OF CONCRETE BASE OF LIGHT POLE.  
ELEVATION: 608.90  
LOCATION: DEVON AVE. & KENTON AVE.

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

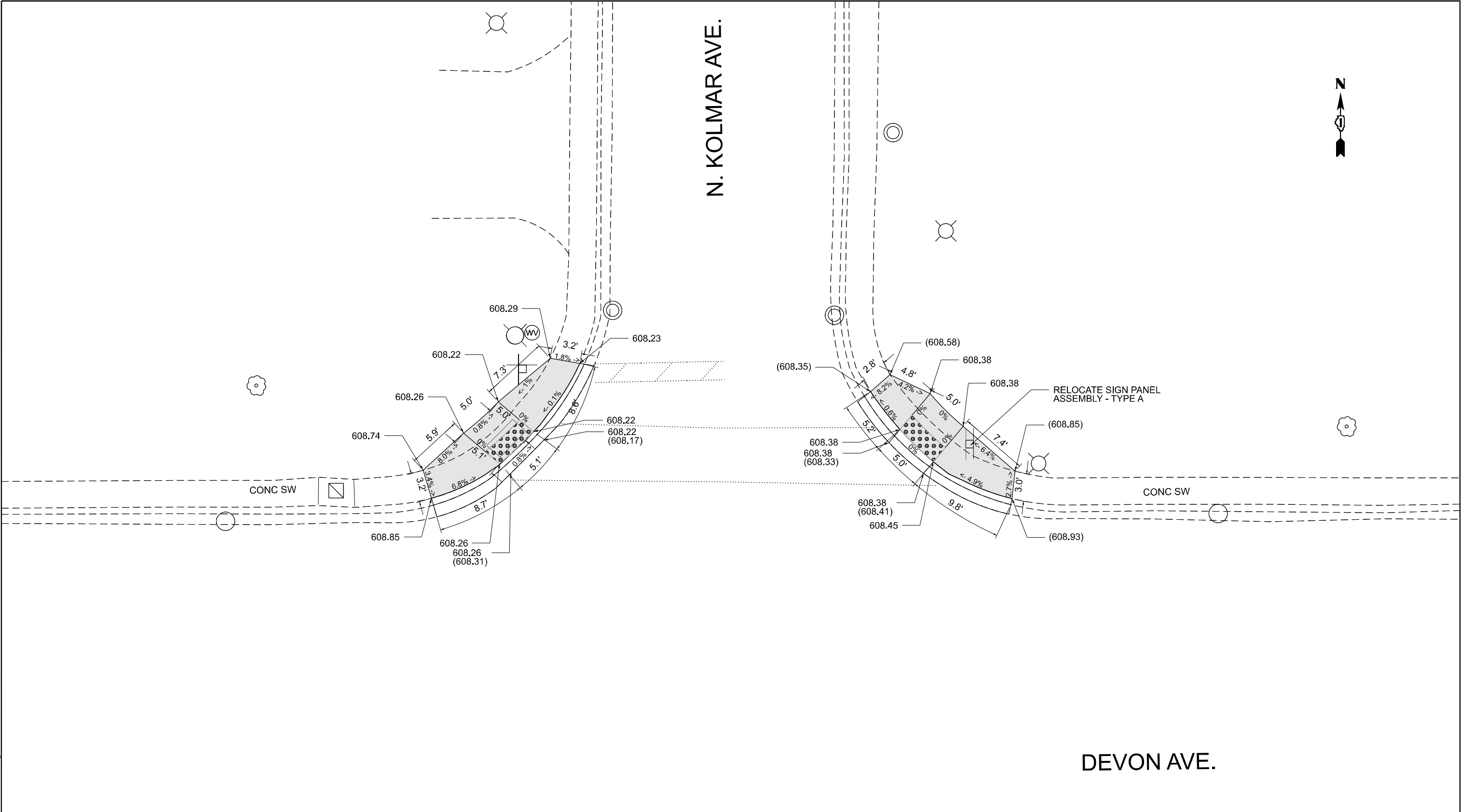
SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. LEMONT AVE.

SCALE: SHEET OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	14
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



MODEL: N. KOLMAR AVE (Sheet)  
FILE NAME: c:\p\work\jw\id\hassan\m0979450\0147920-sh-A-DA.dgn



PT 3300  
BENCHMARK: "X" ON EAST BOLT OF FIRE HYDRANT  
ELEVATION: 609.93  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N. KOLMAR AVE.

### LEGEND

xx.xx'

EXISTING LENGTH

PROPOSED SIDE CURB

( )  
EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

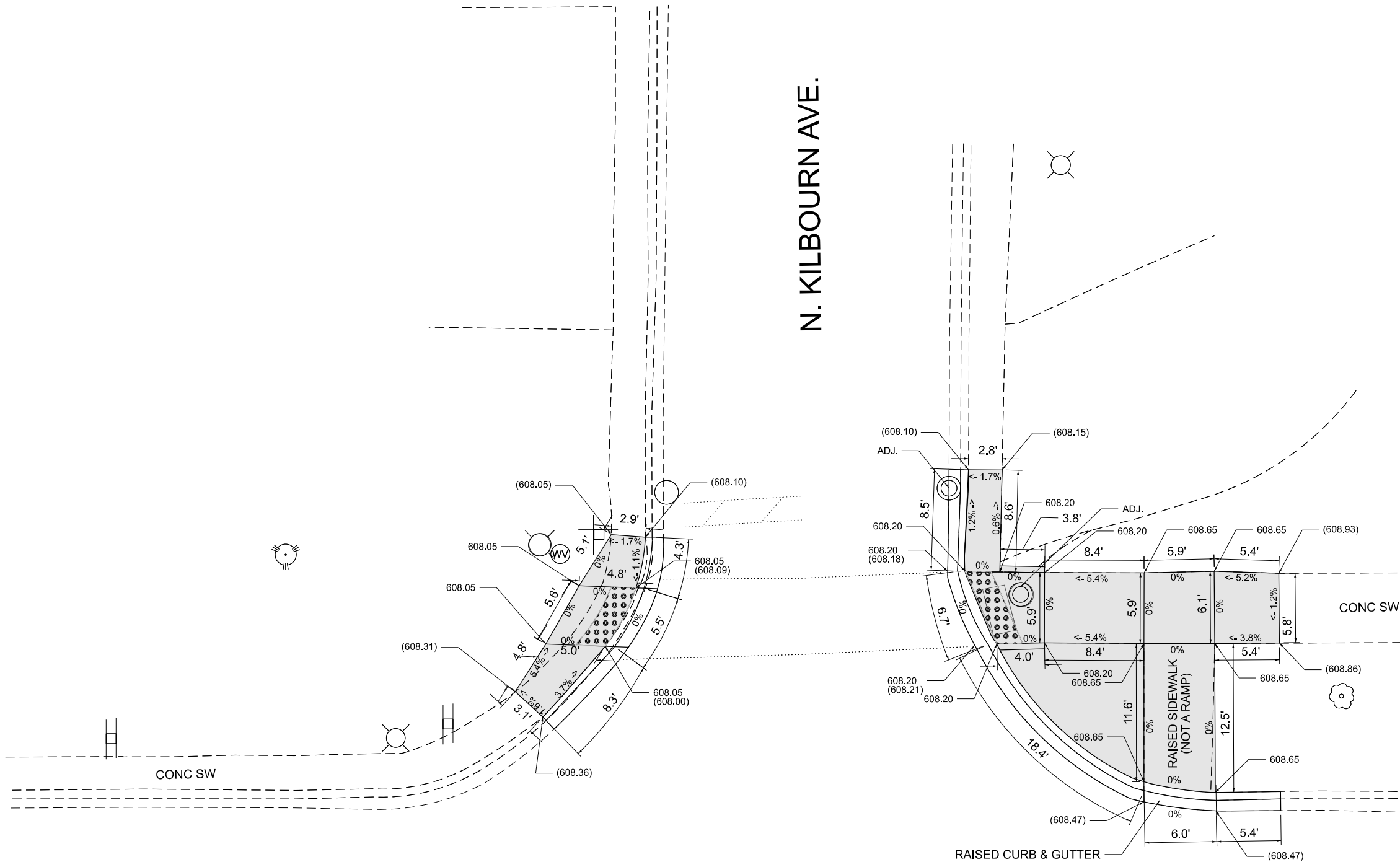
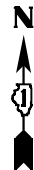
SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. KOLMAR AVE.

SCALE: SHEET OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	15
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

N. KILBOURN AVE.

DEVON AVE.



PT 3793  
BENCHMARK: "X" MARK ON EAST BOLT OF FIRE HYDRANT  
ELEVATION: 609.94  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N. KNOX AVE.

LEGEND

XX.XX'

EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. KILBOURN AVE.

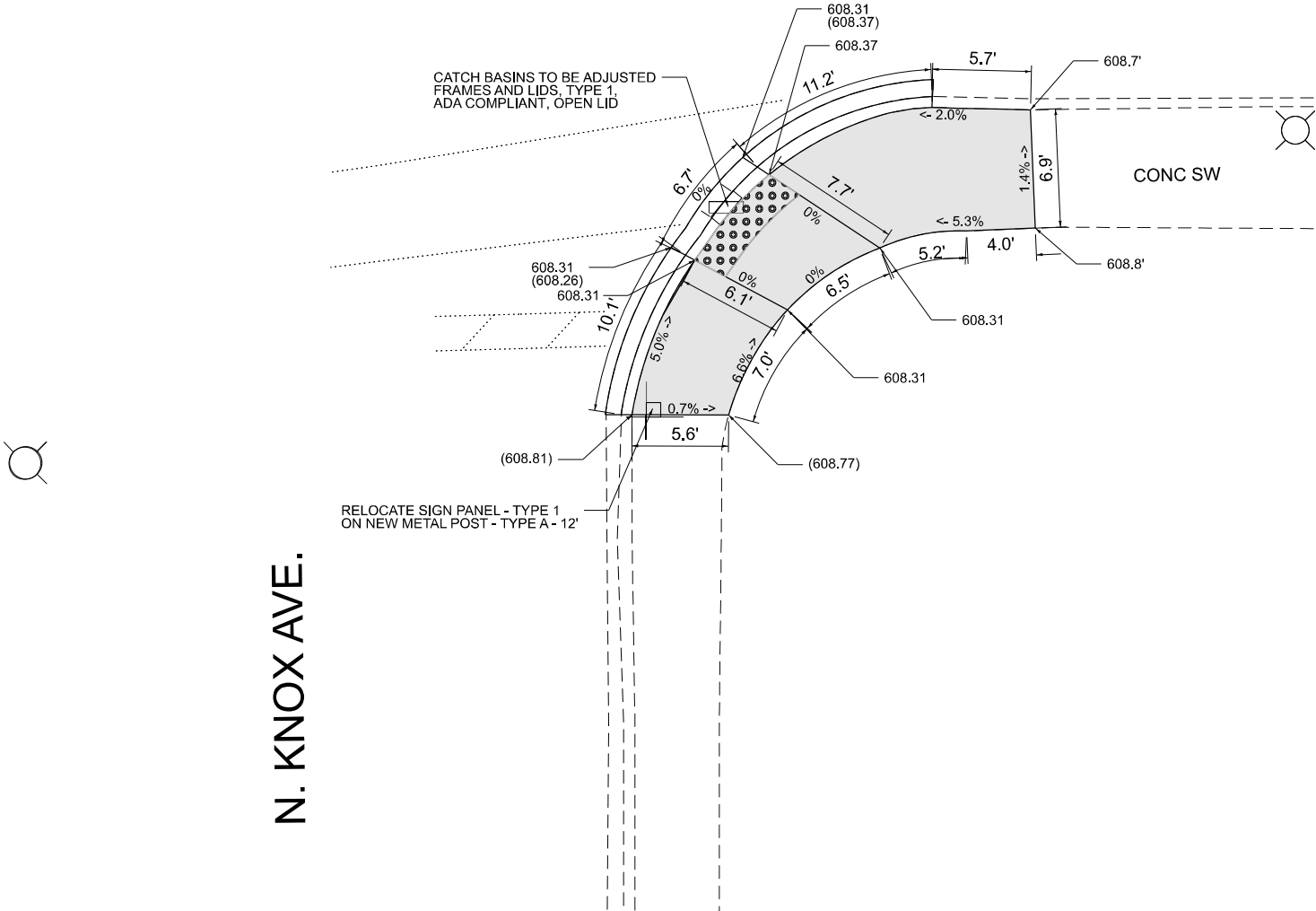
SCALE: SHEET A005 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	16
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



DEVON AVE.

N. KNOX AVE.



PT 3793  
BENCHMARK: "X" MARK ON EAST BOLT OF FIRE HYDRANT  
ELEVATION: 609.94  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N. KNOX AVE.

LEGEND

XX.XX'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

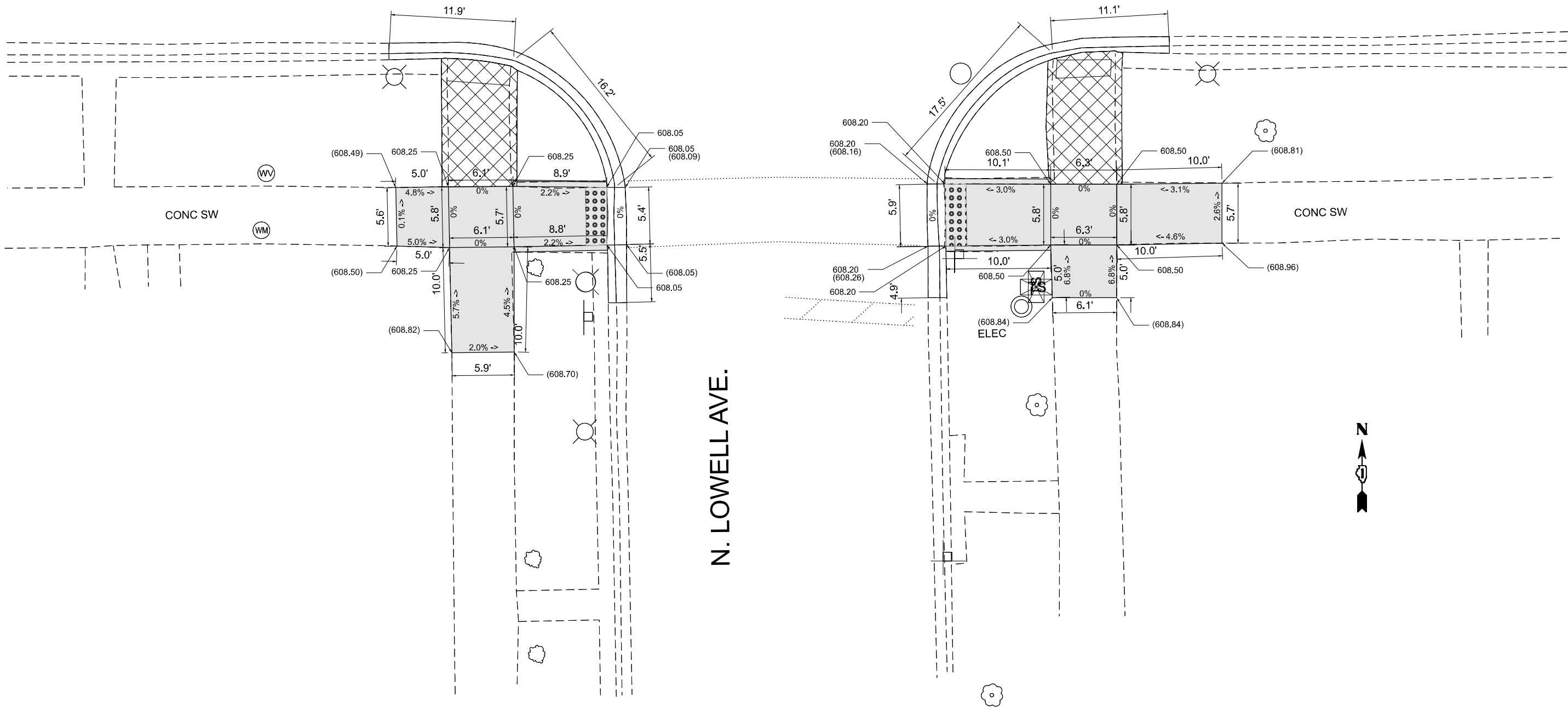
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT KNOX AVE.

SCALE: SHEET A006 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	17
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

DEVON AVE.



N. LOWELL AVE.

PT 4100  
BENCHMARK: "X" MARK ON EAST BOLT OF FIRE HYDRANT  
ELEVATION: 609.76  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N. LOWELL AVE.

LEGEND

xx.xx'

EXISTING LENGTH

PROPOSED SIDE CURB

( )  
EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. LOWELL AVE.

SCALE: SHEET A007 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	18
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

MODEL: S. LOWELL AVE. [Sheet]  
FILE NAME: c:\p\work\lowell\hassan\m0979450\147920-sh-A-DA.dgn

DEVON AVE.

N. KILDARE AVE.



PT 4400

BENCHMARK: "X" MARK ON EAST BOLT OF FIRE HYDRANT.

ELEVATION: 609.55

LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N, KILDARE AVE.

LEGEND

XX.XX'

EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT N, KILDARE AVE

SCALE: SHEET A008 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

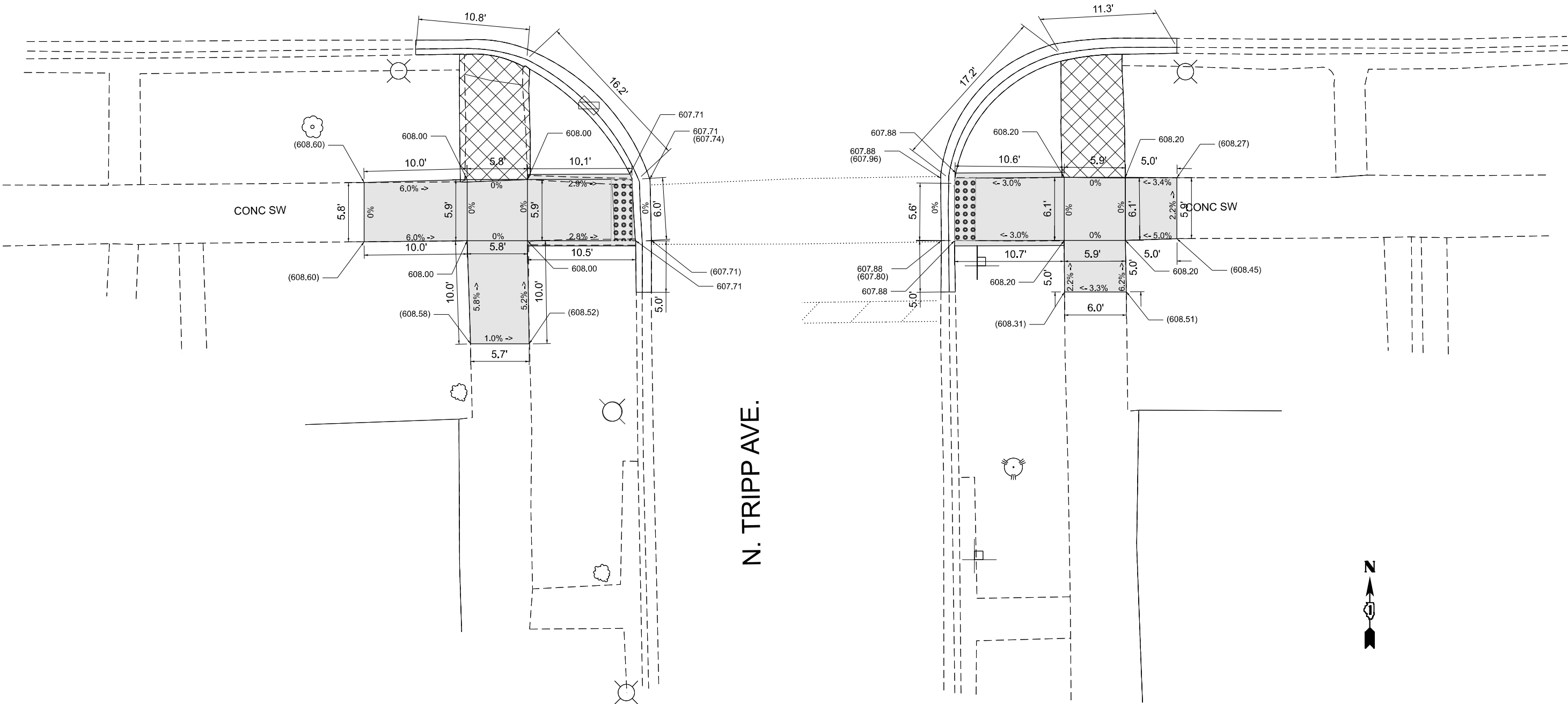
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	19
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

MODEL: N. KILDARE AVE [Sheet]  
FILE NAME: c:\p\work\p\work\hassan\m0979450\147920-sh-A0A.dgn



DEVON AVE.

N. TRIPP AVE.



LEGEND

XX.XX'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

PT 4800  
BENCHMARK: "X" MARK ON EAST BOLT OF FIRE HYDRANT.  
ELEVATION: 609.78  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N. TRIPP AVE.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT TRIPP AVE

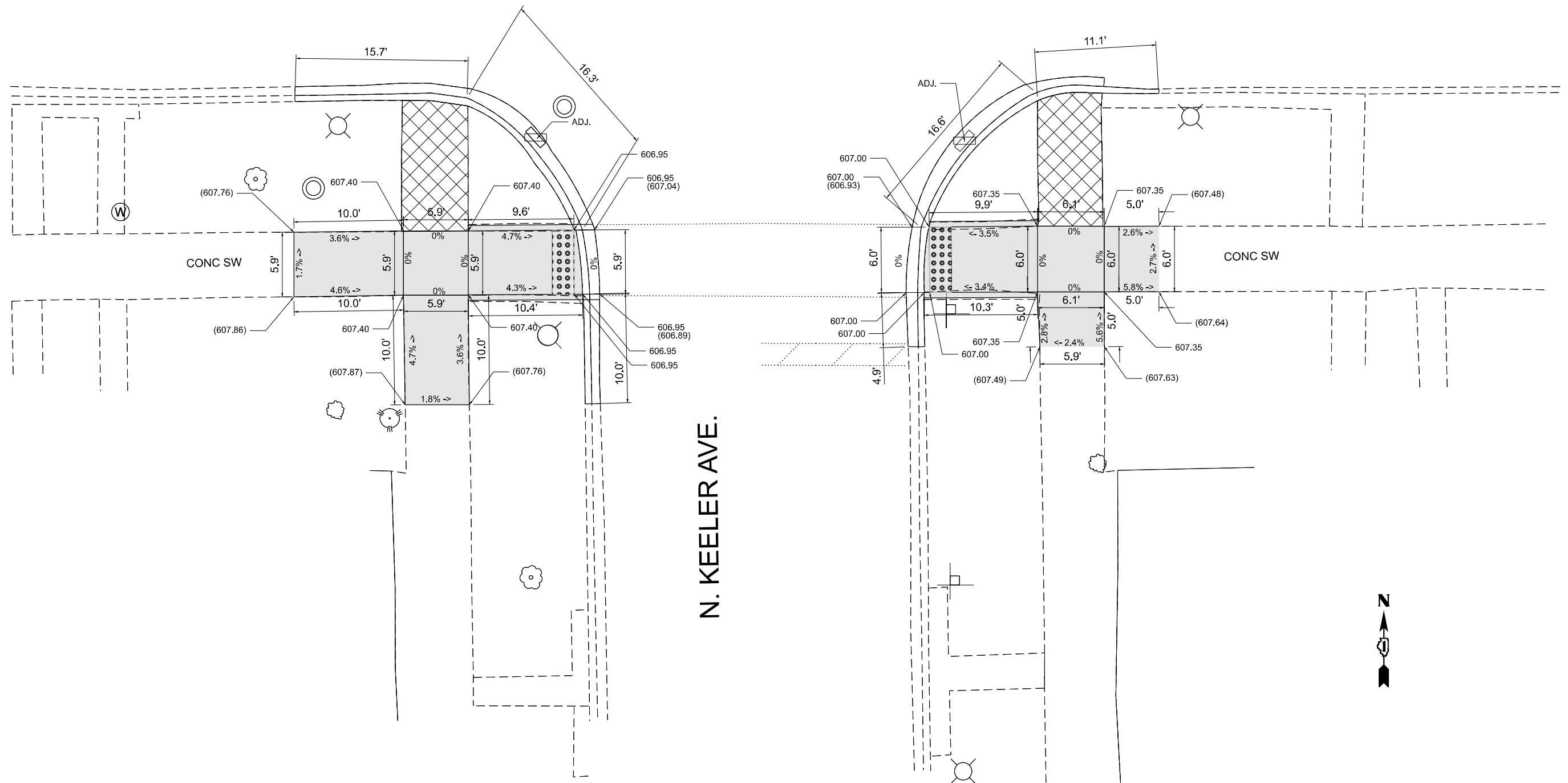
SCALE: SHEET A009 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	20
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

MODEL: N. TRIPP AVE [Sheet]  
FILE NAME: c:\p\work\p\work\hassan\m0979450\147920-sh-A-DA.dgn

DEVON AVE.

N. KEELER AVE.



### LEGEND

XX.XX<sup>1</sup>

**EXISTING LENGTH**

===== PROPOSED SIDE CURB

( ) **EXISTING ELEVATION/SLOPE**



**PROPOSED SIDEWALK**



## DETECTABLE WARNINGS



**SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD**

PT 5172

**BENCHMARK: "X" MARK ON EAST BOLT OF FIRE HYDRANT.**

**ELEVATION: 608.98**

**LOCATION: SOUTHWEST CORNER OF DEVON AVE. & N. KEELER AVE.**

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.19966633 / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

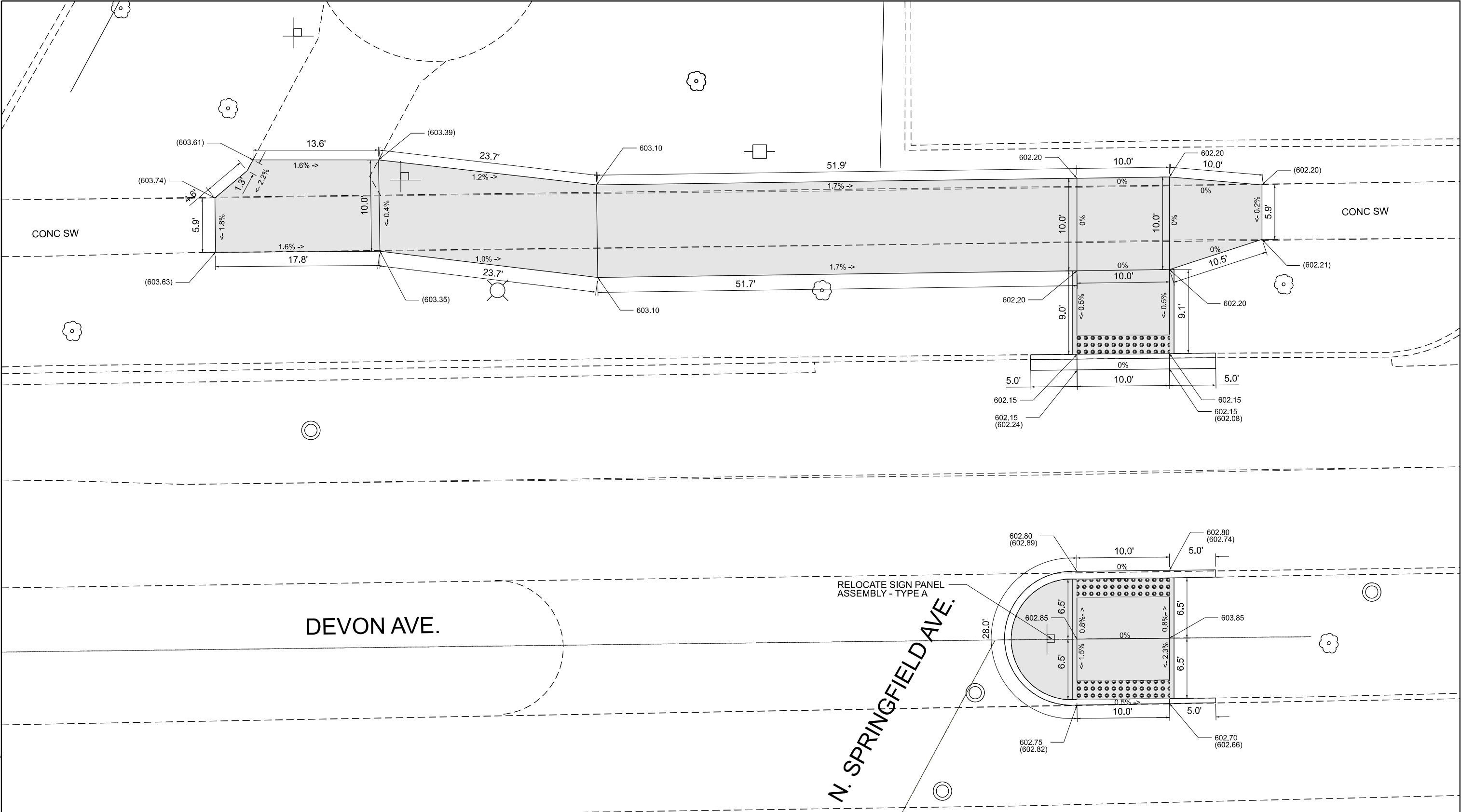
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS**  
**DEVON AVE. AT N. KEELER AVE.**

SCALE:	SHEET A010	OF 18	SHEETS	STA. 0+00.00	TO STA. 0+00.00
--------	------------	-------	--------	--------------	-----------------

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	21
		CONTRACT NO. 62L58		
		ILLINOIS	FED. AID PROJECT	

MODEL: N. KEELER AVE. [Sheet]  
FILE NAME: c:\pw\_work\pwwork\hassanm\0979450\ID147920-shi-ADA.dgn



PT 6300  
BENCHMARK: "X" MARK ON NORTH BOLT OF FIRE HYDRANT.  
ELEVATION: 603.37  
LOCATION: SOUTHEAST CORNER OF DEVON AVE. & N. SPRINGFIELD AVE.

**LEGEND**

xx.xx'

EXISTING LENGTH

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

SIDEWALK RAMP DETAILS				
DEVON AVE. AT N. SPRINGFIELD AVE.				
SCALE:	SHEET A011	OF 18	SHEETS	STA. 0+00.00 TO STA. 0+00.00

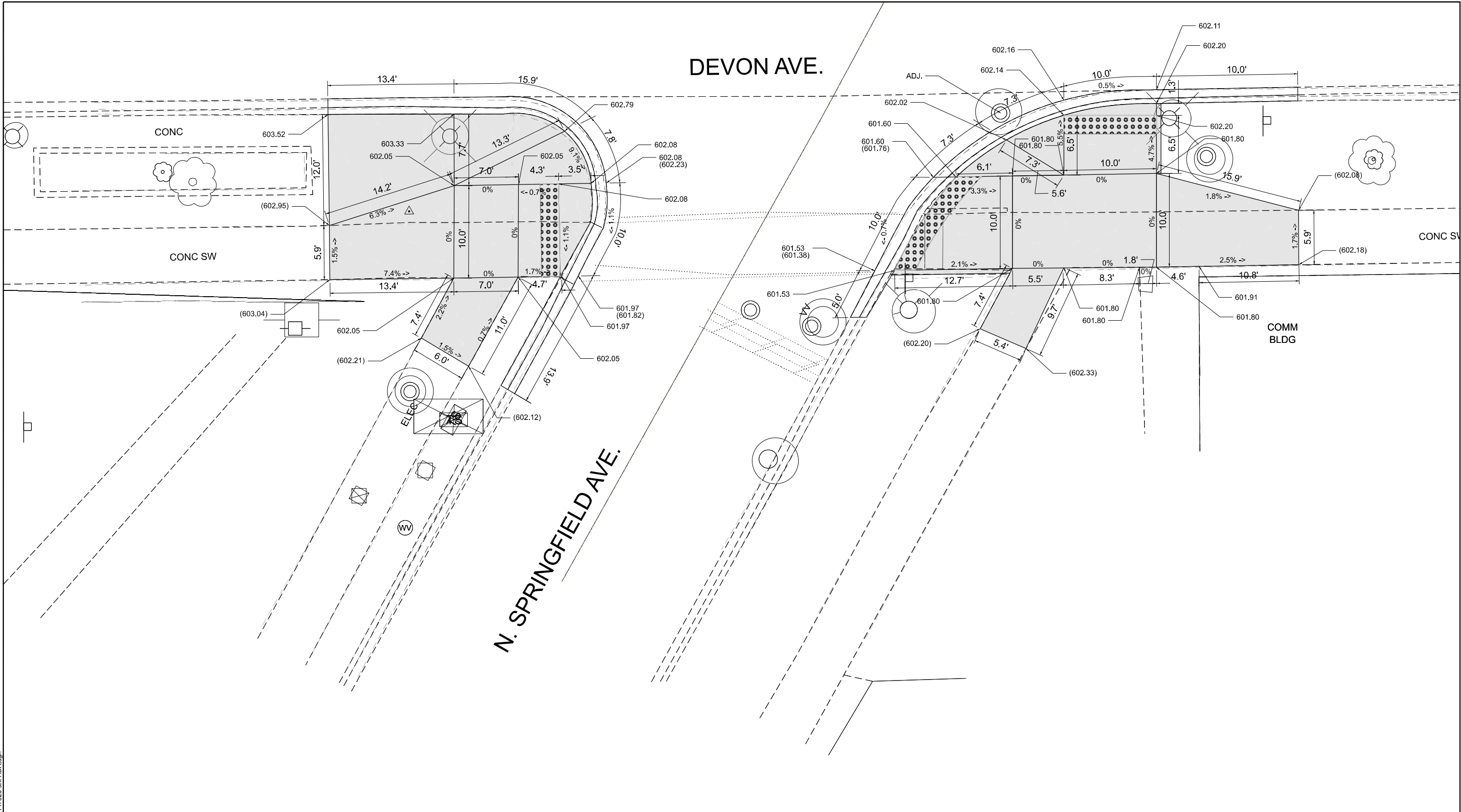
MODEL: NORTH SPRINGFIELD AVE [Sheet]  
FILE NAME: c:\p\work\l\work\hassan\0879450D147920-sh-A0A.dgn

USER NAME = naveed,hassan	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633" / 1in.	DRAWN -	REVISED -
PLOT DATE = 12/13/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS				
DEVON AVE. AT N. SPRINGFIELD AVE.				
SCALE:	SHEET A011	OF 18	SHEETS	STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	22
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



PT 6300  
BENCHMARK: "X" MARK ON NORTH BOLT OF FIRE HYDRANT.  
ELEVATION: 603.37  
LOCATION: SOUTHEAST CORNER OF DEVON AVE. & N. SPRINGFIELD AVE.

LEGEND

XX.XX'

EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

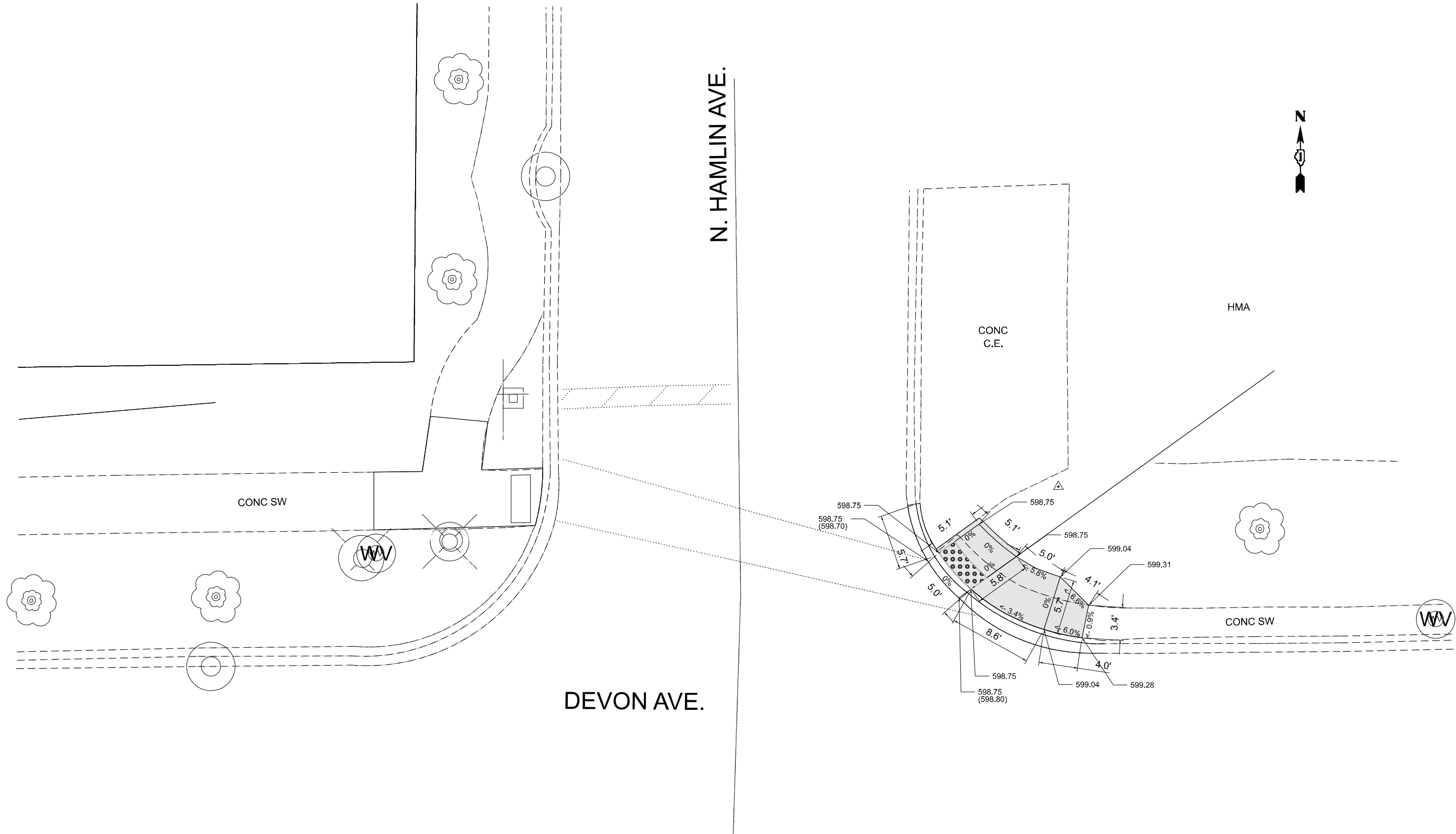
SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. SPRINGFIELD AVE.

SCALE: SHEET A012 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	23
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

MODEL: N. SPRINGFIELD AVE. [Sheet]  
FILE NAME: c:\paw\_work\paw\hassan\m0979450\147920-sh-A-DA.dgn

MODEL: N. HAMLIN AVE. [Sheet]  
FILE NAME: c:\p\work\pilot\hassan\m0979450\0147920-shh-ADA.dgn



PT 1500  
BENCHMARK: "X" MARK ON SOUTHEAST BOLT OF FIRE HYDRANT.  
ELEVATION: 600.62  
LOCATION: NORTHWEST CORNER OF DEVON AVE. & N. HAMLIN AVE.

### LEGEND

XX.XX'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

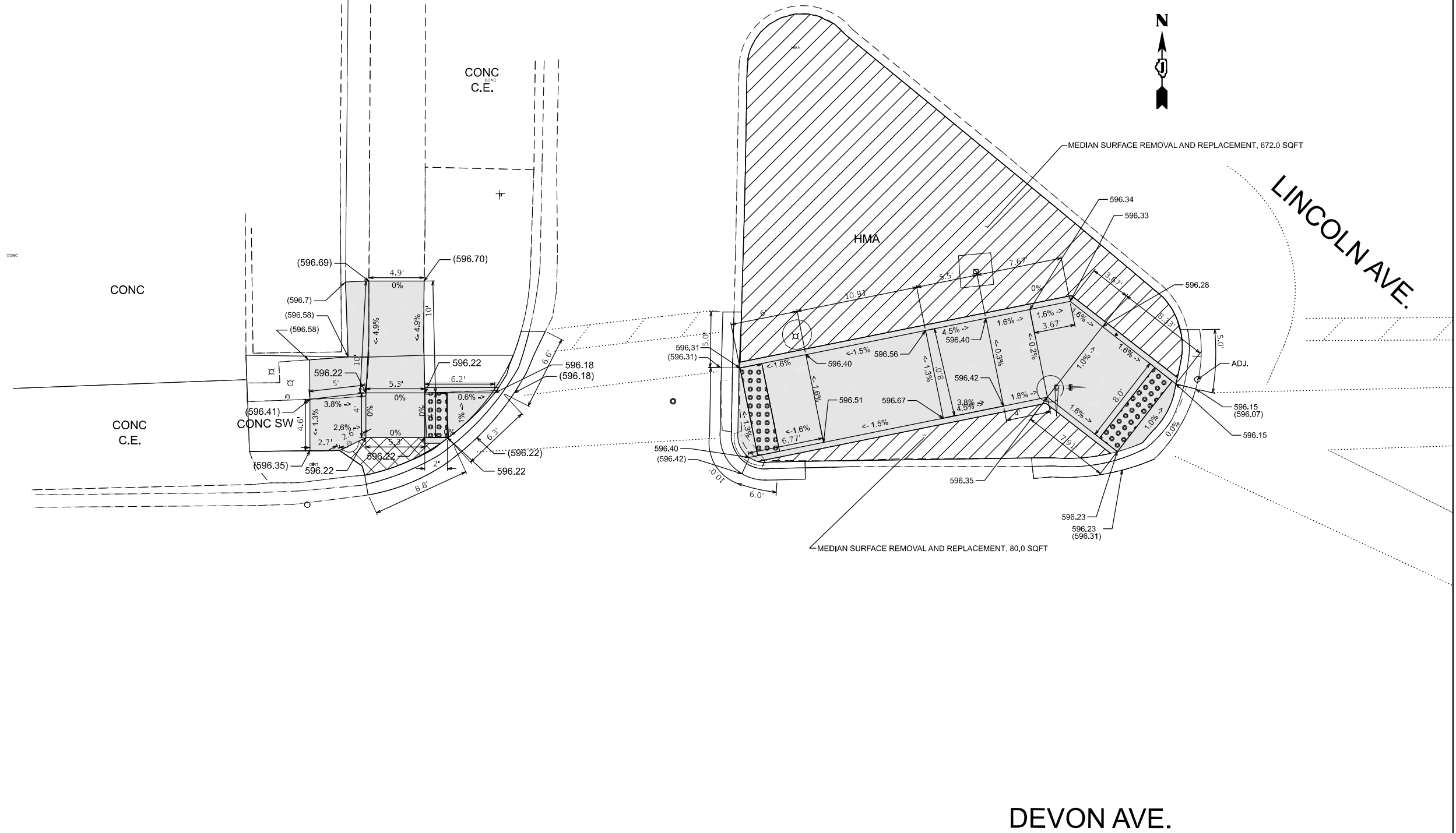
SIDEWALK RAMP DETAILS  
DEVON AVE. AT N. HAMLIN AVE.

SCALE: SHEET A013 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	24
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				







PT 5800  
BENCHMARK: "X" MARK ON WEST BOLT OF FIRE HYDRANT.  
ELEVATION: 596.46  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & LINCOLN AVE.

### LEGEND

XX.XX'

EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT LINCOLN AVE.

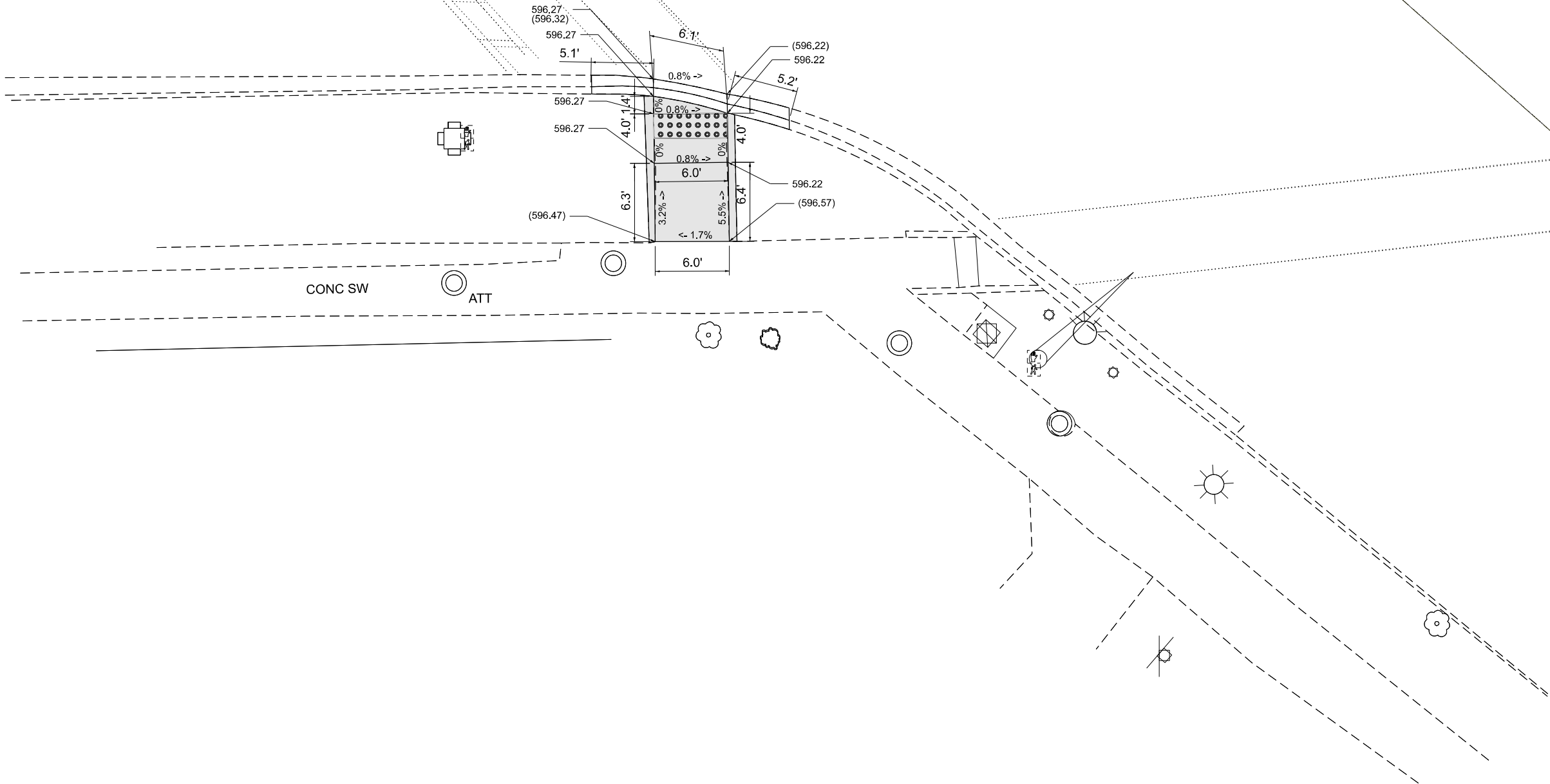
SCALE: SHEET A015 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	26
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



DEVON AVE.

LINCOLN AVE.



PT 5800  
BENCHMARK: "X" MARK ON WEST BOLT OF FIRE HYDRANT.  
ELEVATION: 596.46  
LOCATION: SOUTHWEST CORNER OF DEVON AVE. & LINCOLN AVE.

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS  
DEVON AVE. AT LINCOLN AVE.

SCALE: SHEET A017 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	28
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

MODEL: SW LINCOLN AVE. [Sheet]  
FILE NAME: c:\p\work\p\hassan\m0979450\147920-sh-A-DA.dgn

DEVON AVE.

MEDIAN SURFACE REMOVAL AND REPLACEMENT, 105.0 SQFT

RAISED CURB & GUTTER, 45 FT

ADJ.  
BY OTHER.

CONC SW

LINCOLN AVE.

LEGEND

XX.XX'

EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

PT 5800

BENCHMARK: "X" MARK ON WEST BOLT OF FIRE HYDRANT.

ELEVATION: 596.46

LOCATION: SOUTHWEST CORNER OF DEVON AVE. & LINCOLN AVE.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

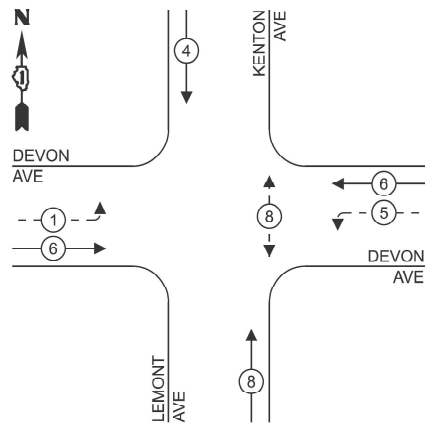
SIDEWALK RAMP DETAILS  
DEVON AVE, AT LINCOLN AVE.

SCALE: SHEET A018 OF 18 SHEETS STA. 0+00.00 TO STA. 0+00.00

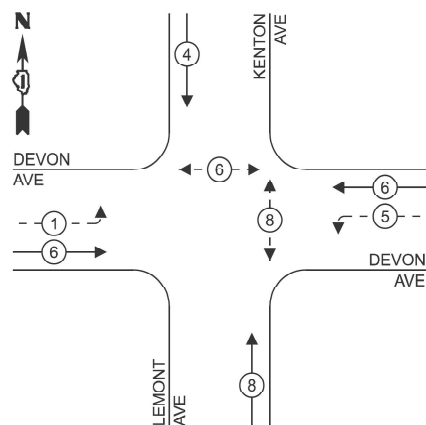
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	29
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



## EXISTING CONTROLLER SEQUENCE



## PROPOSED CONTROLLER SEQUENCE



## LEGEND:

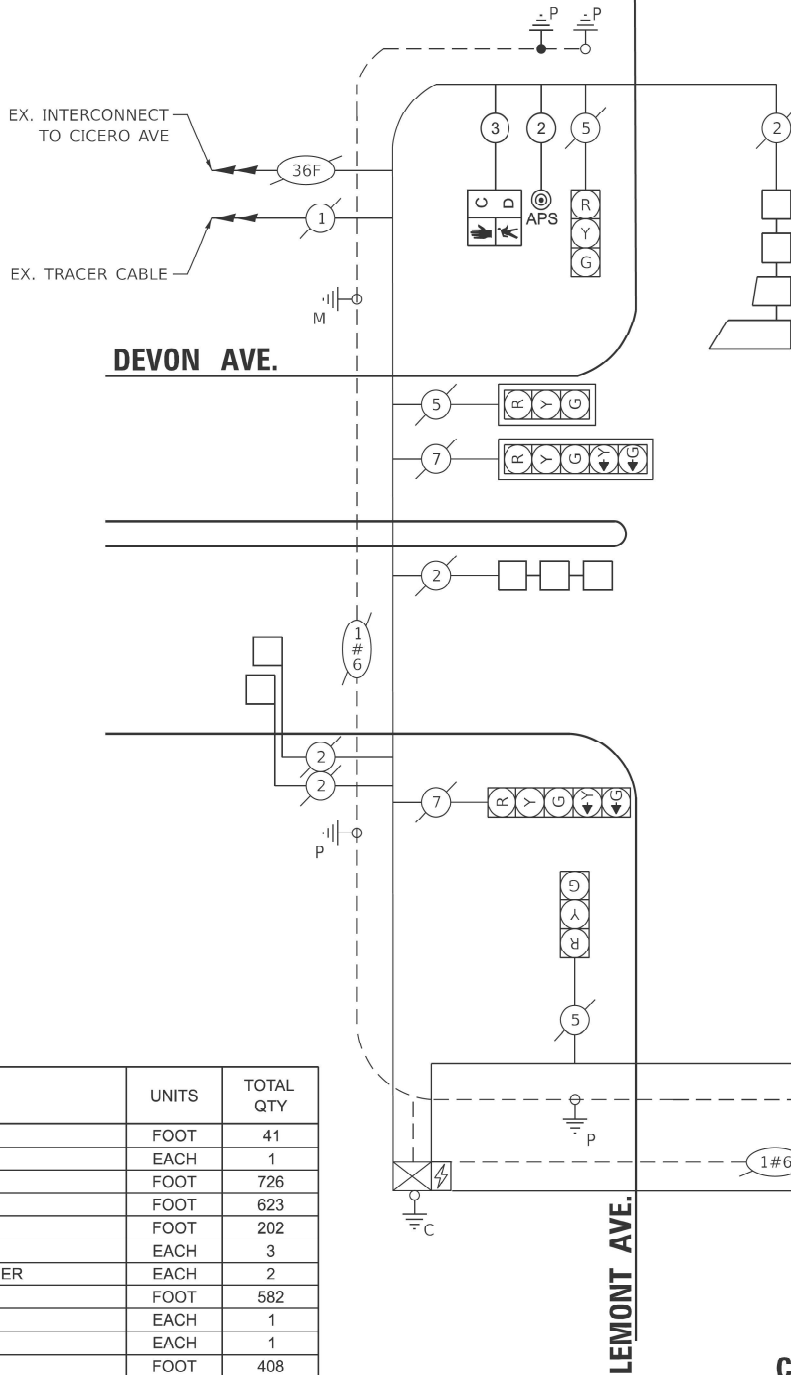
- ← (⊛) → PROTECTED PHASE  
← - (⊛) - PROTECTED/PERMITTED PHASE  
← (⊛) → PEDESTRIAN PHASE  
← (⊛) OL OVERLAP

## SCHEDULE OF QUANTITIES

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			353
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			958

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	41
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	726
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	623
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	202
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	582
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	408
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNAL	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:	
VILLAGE OF LINCOLNWOOD	
6900 N LINCOLN AVE	
LINCOLNWOOD, IL 60712	
ENERGY SUPPLY:	CONTACT: AXL DAVIS
	PHONE: 773-231-2969
	COMPANY: COMED
ACCOUNT NUMBER:	---
METER NUMBER:	---



## CABLE PLAN

KENTON AVE.

DEVON AVE.

LEMONT AVE.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATIONCABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES  
DEVON AVE. AND KENTON / LEMONT AVE

SCALE: SHEET A002 OF 9 SHEETS STA. TO STA.

F.A.U. SITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	31
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

TS 11185  
EAGLE 1L



NOTES:

- 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- 2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
- 3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
- 4. THIS PLAN IS FOR THE REMOVAL OF PUSH BUTTONS, INSTALLATION OF APS PUSH BUTTONS, AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.
- 5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
- 6. ALL PUSH BUTTONS SHALL BE APS
- 7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

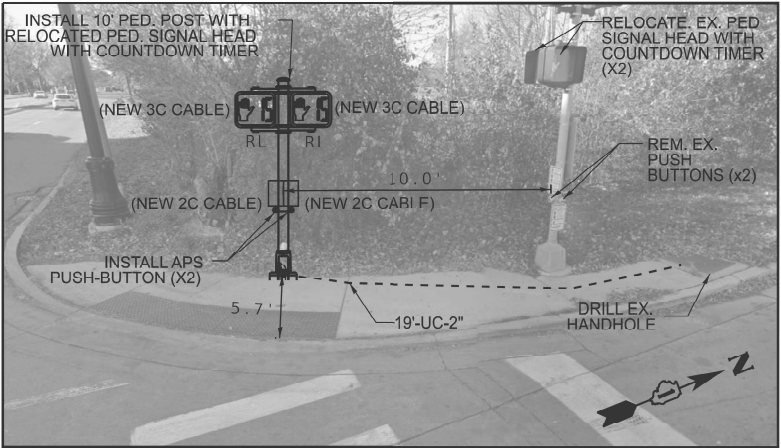
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

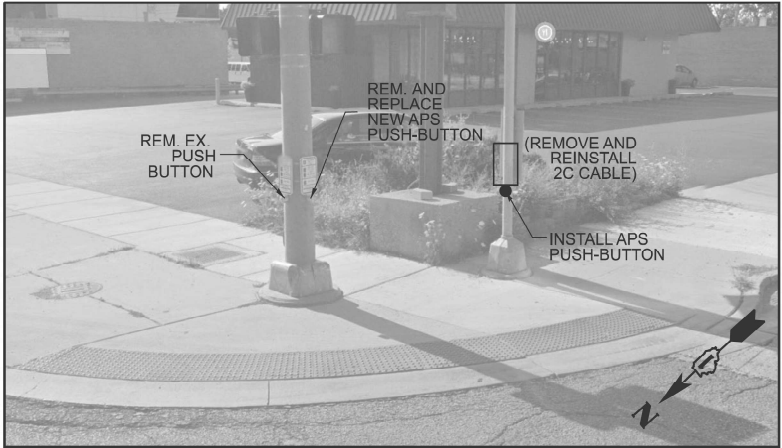
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION POLE MOUNT
- 2 EACH PEDESTRIAN SIGNAL HEAD (RELOCATED)



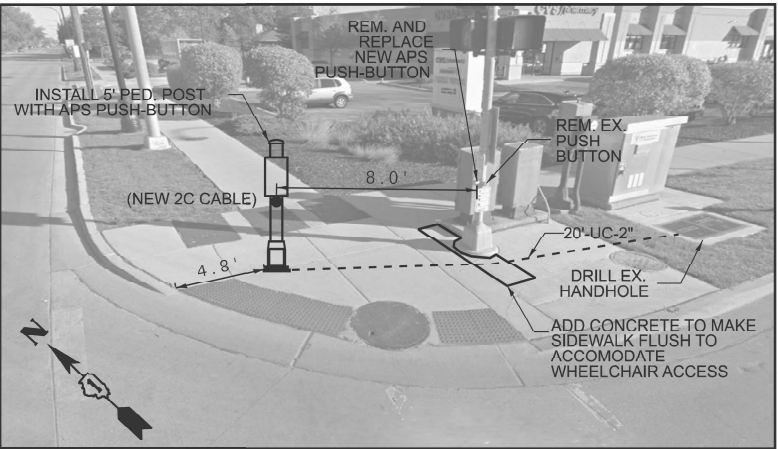
SOUTHWEST CORNER



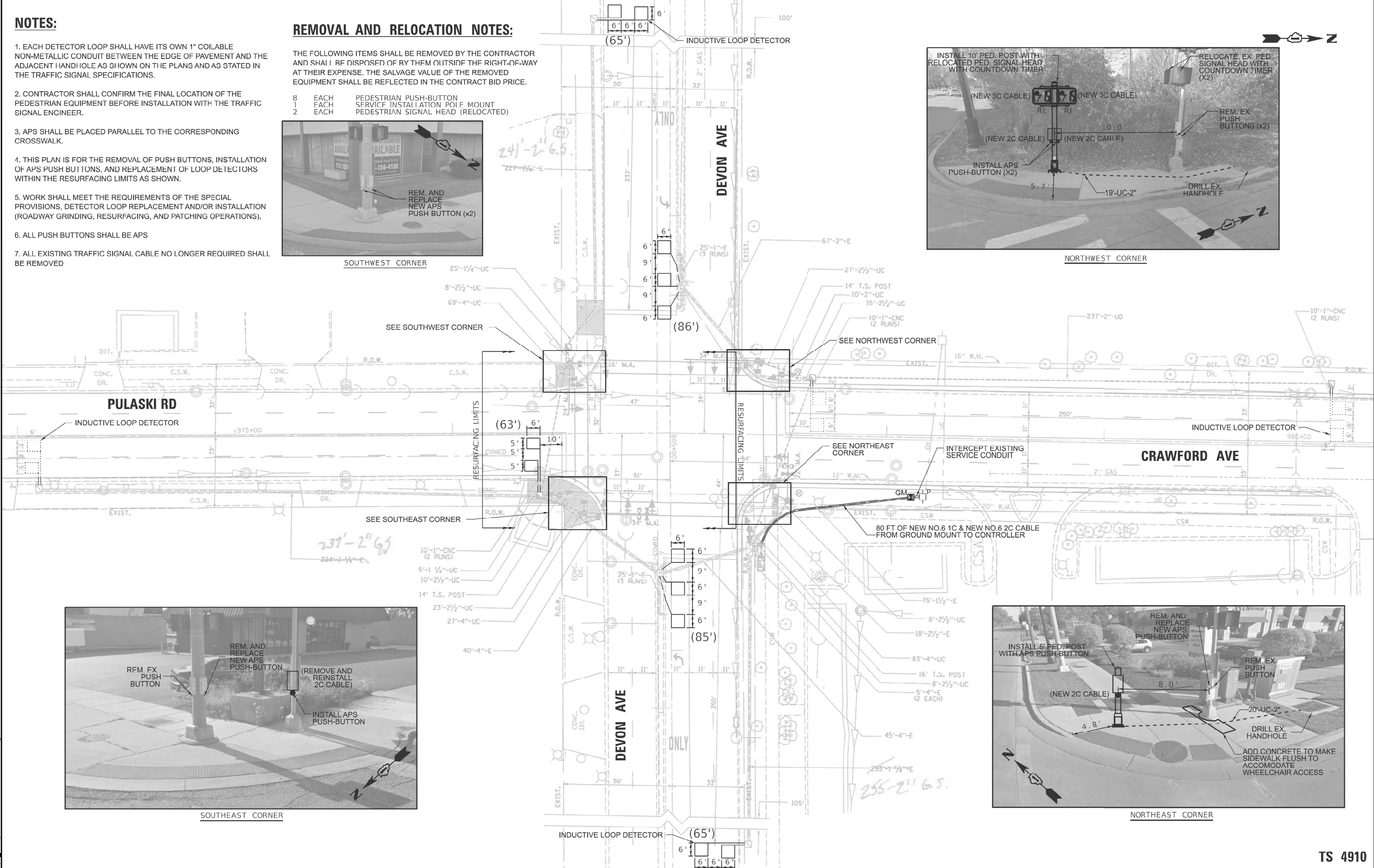
NORTHWEST CORNER



SOUTHEAST CORNER



NORTHEAST CORNER



MODEL: Devon at Pulaski (Sheet)  
FILE NAME: c:\paw\_work\pawid\hassan\m0979450-shr-TS.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

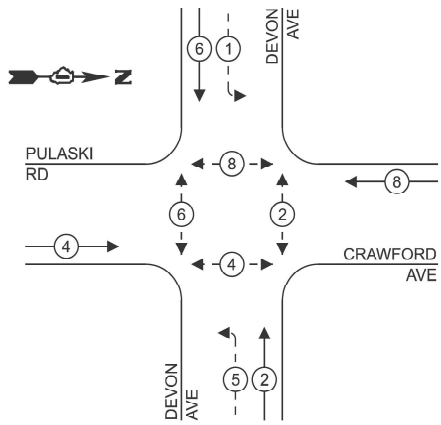
TRAFFIC SIGNAL MODERNIZATION PLAN  
DEVON AVE. AND PULASKI RD. / CRAWFORD AVE.

SCALE: SHEET A003 OF 9 SHEETS STA. TO STA.

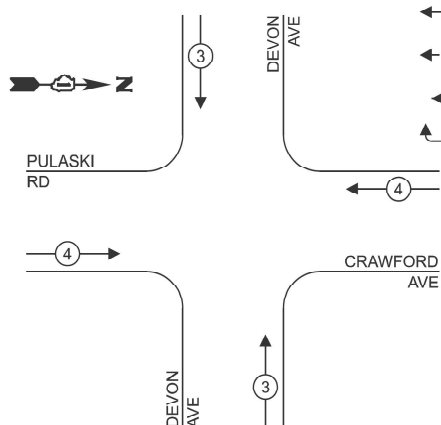
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	32
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

TS 4910

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



LEGEND:

- ← (⊙) → PROTECTED PHASE
- ← (⊙) - - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	39
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	323
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	280
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1323
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	80
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	170
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	364
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	374
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	11
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNAL	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		501	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1106	

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: AXL DAVIS

PHONE: 773-231-2969

COMPANY: COMED

ACCOUNT NUMBER: 85890-51222

METER NUMBER: ---

PULASKI RD

DEVON AVE

CRAWFORD AVE

CABLE PLAN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES  
DEVON AVE. AND PULASKI RD. / CRAWFORD AVE.

SCALE: SHEET A004 OF 9 SHEETS STA. TO STA.

E.A.U. SITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	33
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

TS 4910

MODEL: Devon at Pulaski-1 (Sheet)  
FILE NAME: c:\paw. work\jvitolhassan\0979450-shr-TS.dgn

NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL OR AS DIRECTED BY THE ENGINEER
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

REMOVAL AND RELOCATION NOTES:

- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POST
  - 3 EACH TRAFFIC SIGNAL POST
  - 6 EACH 3-SECTION SIGNAL HEAD
  - 4 EACH 3-SECTION SIGNAL HEAD (PROGRAMMABLE)
  - 2 EACH 5-SECTION SIGNAL HEAD
  - 4 EACH 5-SECTION SIGNAL HEAD (PROGRAMMABLE)
  - 8 EACH PEDESTRIAN SIGNAL HEAD
  - 8 EACH PEDESTRIAN PUSH-BUTTON
  - 1 EACH RADAR DETECTOR
  - 1 EACH RADAR AMPLIFIER
  - 1 EACH SERVICE INSTALLATION, POLE MOUNT
  - 4 EACH TRAFFIC SIGNAL BACKPLATE
  - 2 EACH STREET NAME SIGN PANEL (DEVON AVE)
  - 2 EACH STREET NAME SIGN PANEL (US RTE 41 LINCOLN AVE)

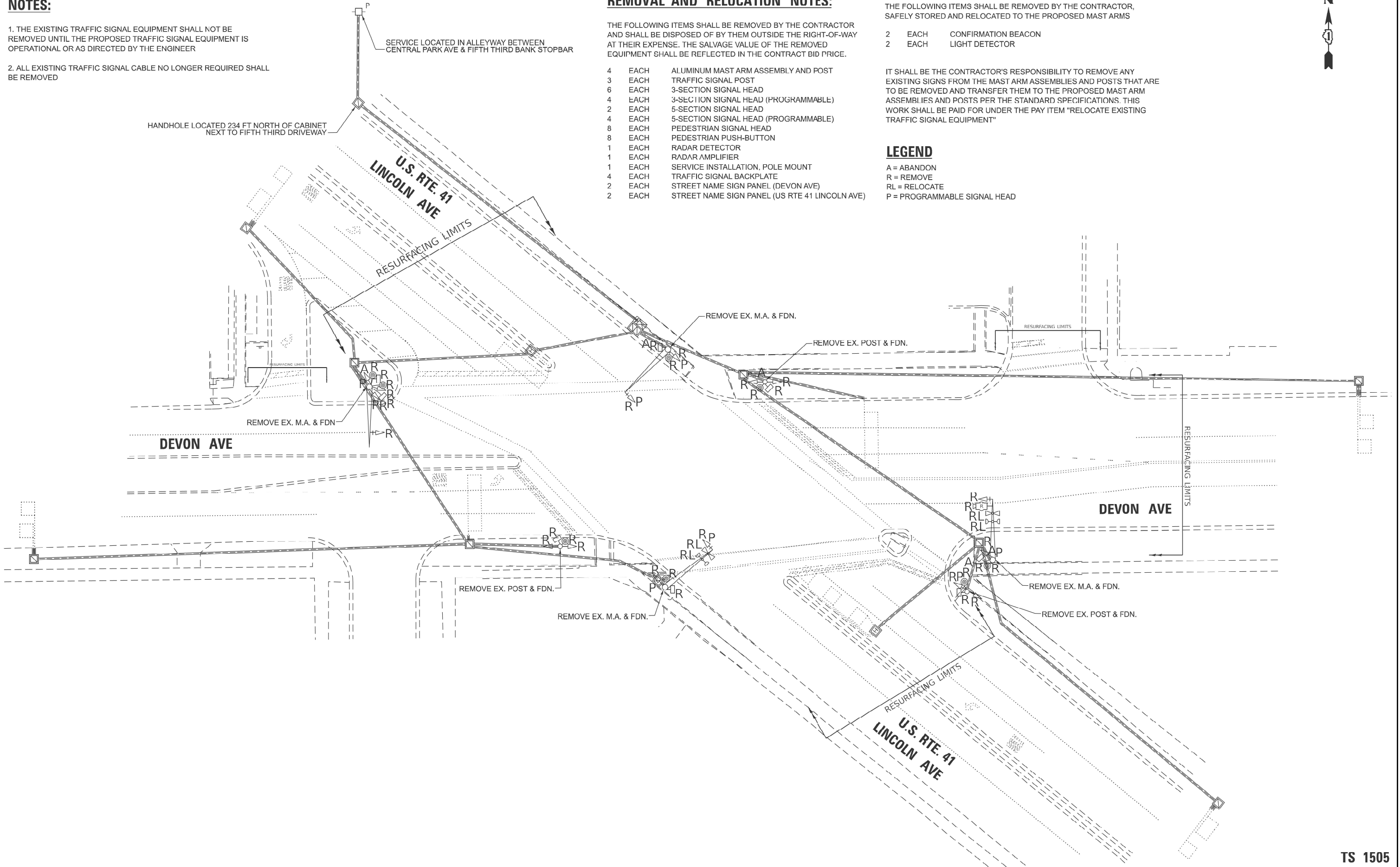
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT"

LEGEND

- A = ABANDON
- R = REMOVE
- RL = RELOCATE
- P = PROGRAMMABLE SIGNAL HEAD



MODEL: Devon at Lincoln Ave (Sheet)  
FILE NAME: c:\paw\_work\paw\hassan\md0979450-sh1-TS.dgn

TS 1505

	USER NAME = naveed,hassan	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 12/13/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

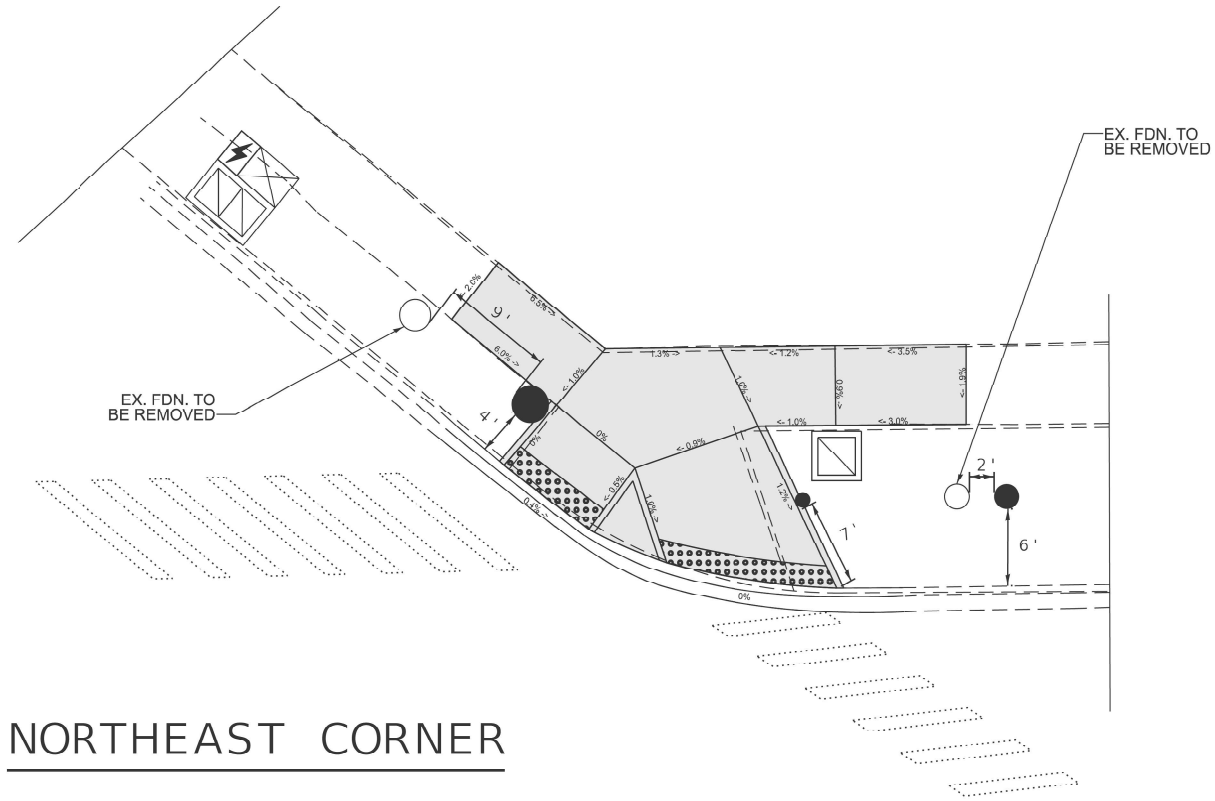
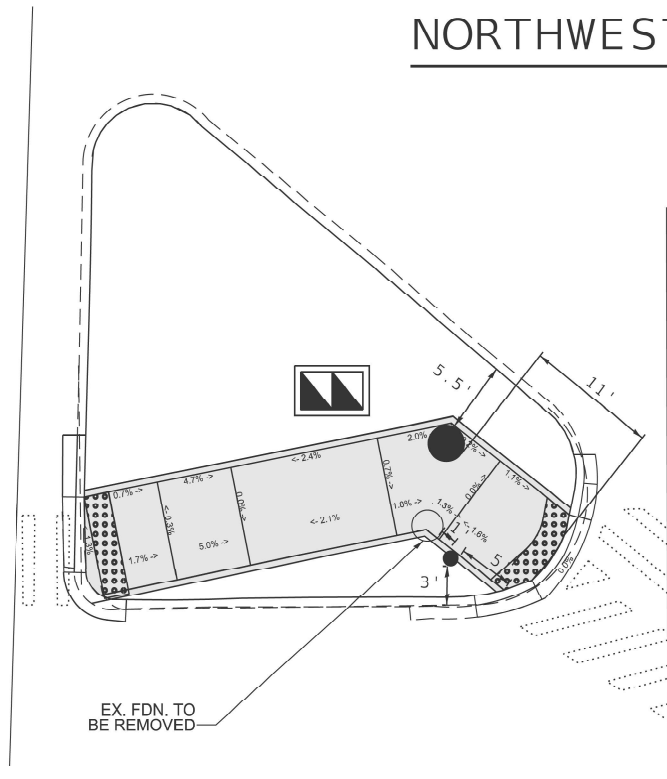
TRAFFIC SIGNAL REMOVAL PLAN  
DEVON AVE, AND U.S. ROUTE 41 (LINCOLN AVE.)

SCALE: SHEET A005 OF 9 SHEETS STA. TO STA.

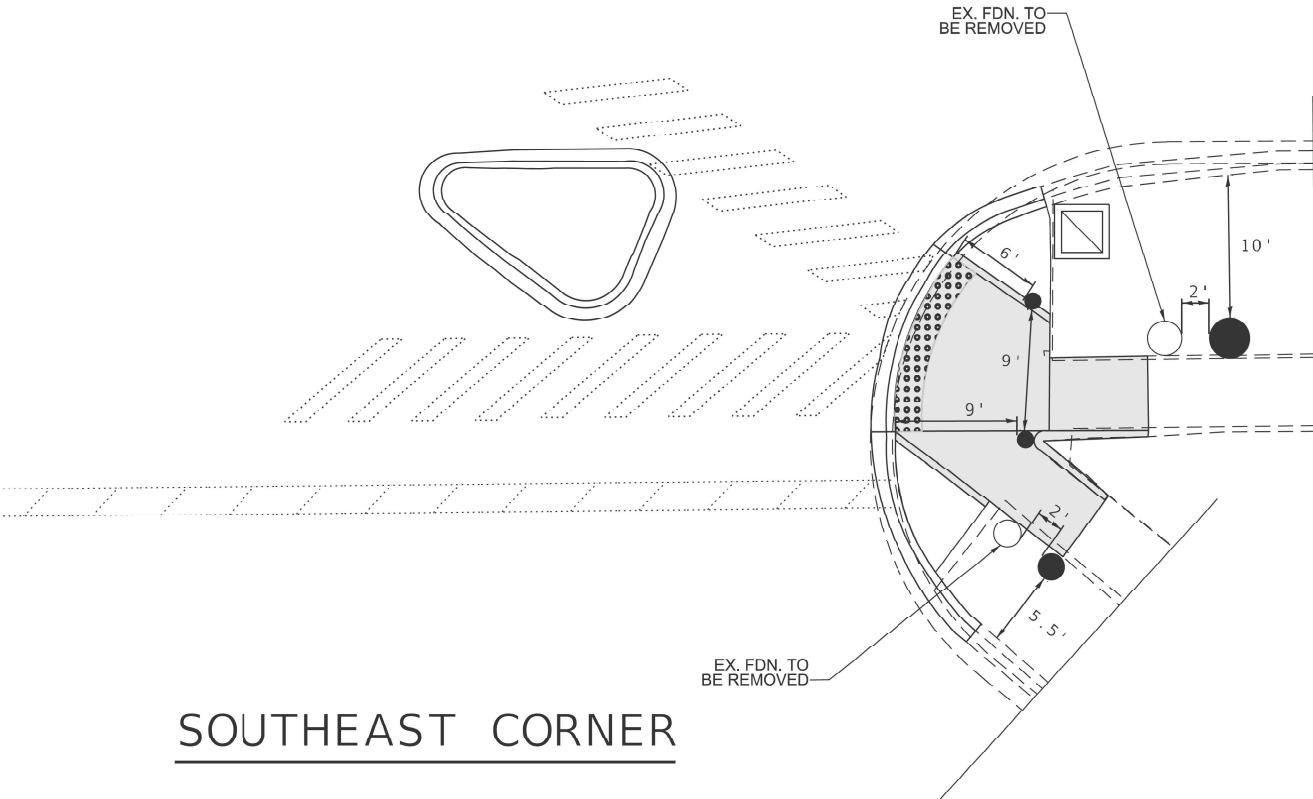
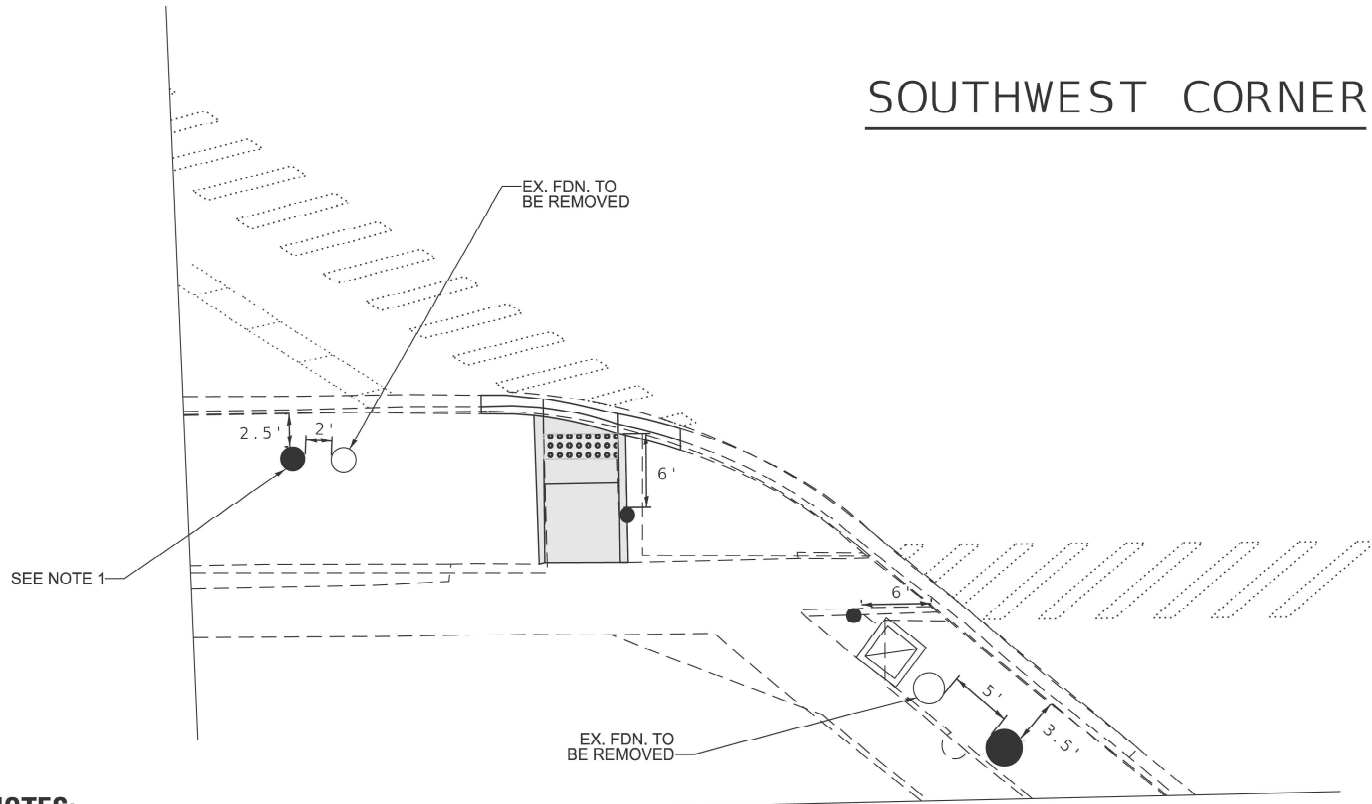
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	34
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



SOUTHWEST CORNER



NOTES:

1. ENSURE PROPOSED POST AND SIGNAL HEAD ARE NOT BLOCKED BY LIGHT POLE FOR DRIVERS COMING WESTBOUND

MODEL: Devon at Lincoln Ave-2 [Sheet]  
FILE NAME: c:\paw\_work\paw\hassan\0979450-sh-1-TS.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
DEVON AVE, AND U.S. ROUTE 41 (LINCOLN AVE.)

SCALE: SHEET A007 OF 9 SHEETS STA. TO STA.

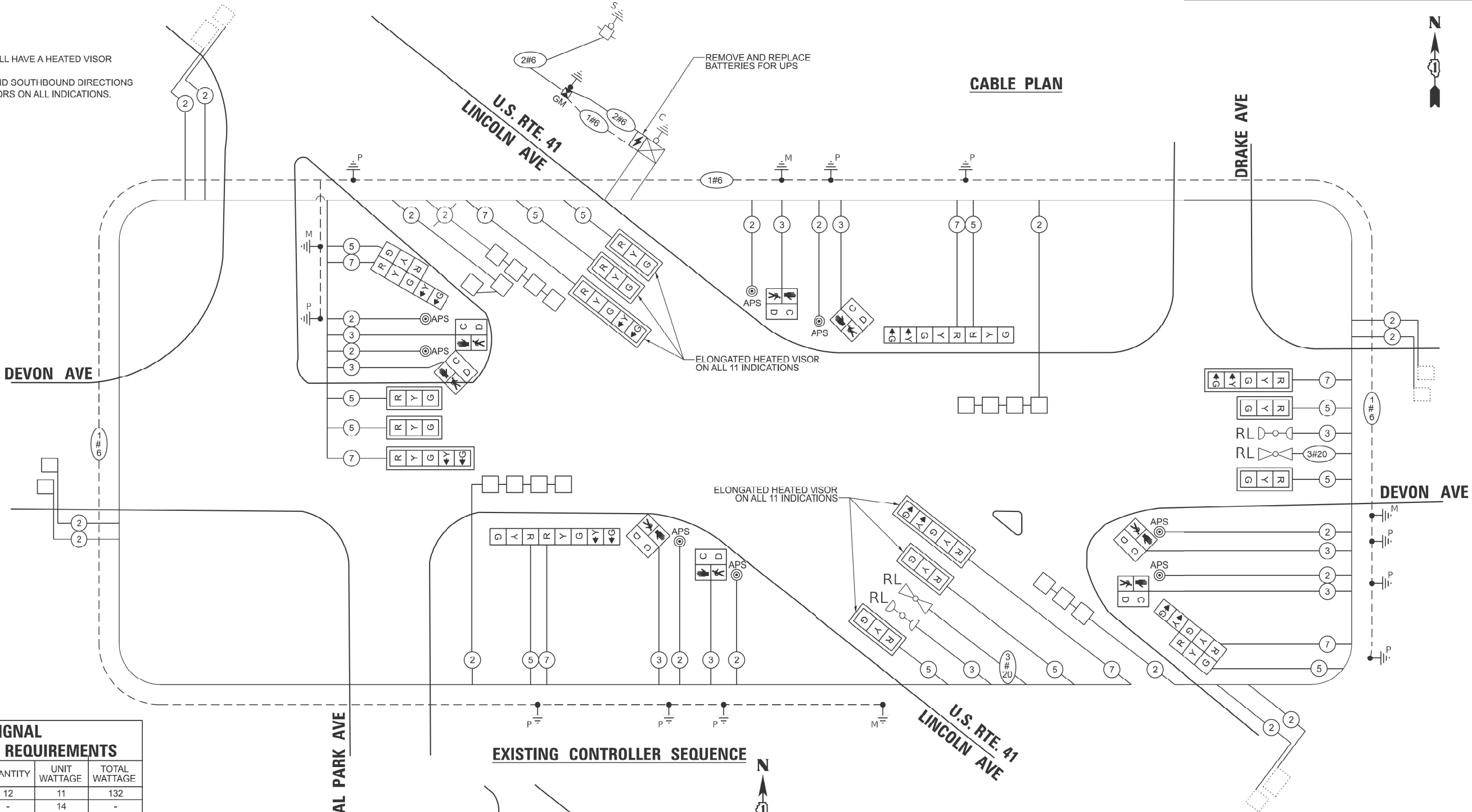
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	36
CONTRACT NO. 62L58				
ILLINOIS FED. AID PROJECT				

TS 1505



NOTES:

1. ALL RED SIGNAL INDICATIONS SHALL HAVE A HEATED VISOR
2. MAST ARMS FOR NORTHBOUND AND SOUTHBOUND DIRECTIONS WILL HAVE ELONGATED HEATED VISORS ON ALL INDICATIONS.



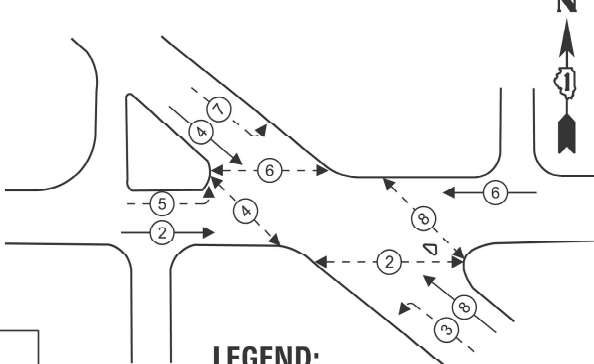
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		531	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1136	

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: AXL DAVIS  
PHONE: 773-231-2969  
COMPANY: COMED  
ACCOUNT NUMBER: 85890-51222  
METER NUMBER: ---

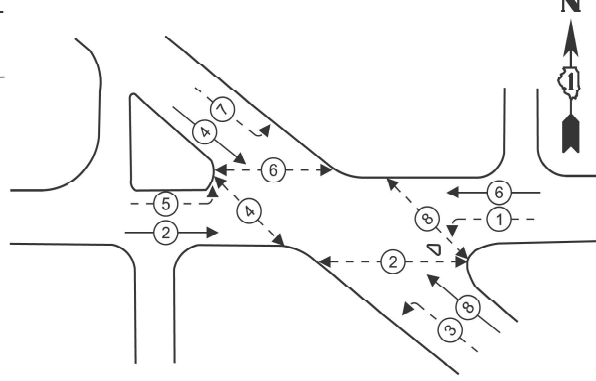
EXISTING CONTROLLER SEQUENCE



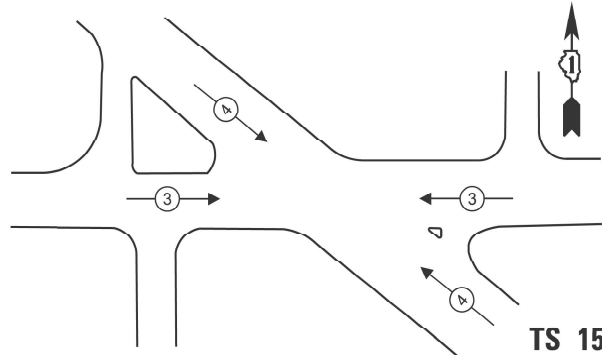
LEGEND:

- ← \* → PROTECTED PHASE
- ← \* - PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TS 1505

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES  
DEVON AVE, AND U.S. ROUTE 41 (LINCOLN AVE.)

SCALE: SHEET A008 OF 9 SHEETS STA. TO STA.

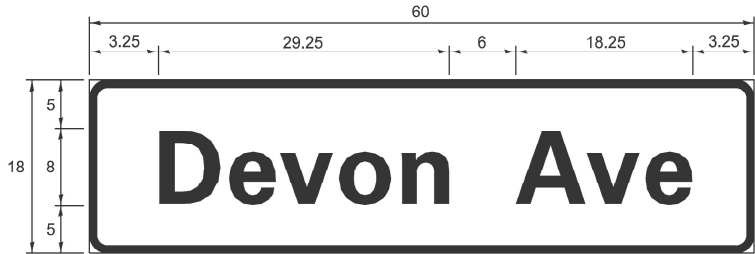
EAU SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	37
CONTRACT NO. 62L58				

ILLINOIS FED. AID PROJECT

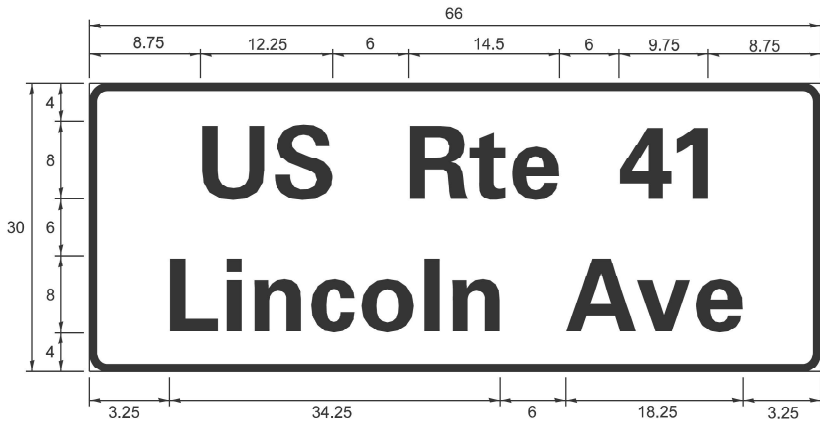
MODEL: Devon at Lincoln Ave-3 (Sheet)  
FILE NAME: c:\paw. work\paw\hassan\dd0979450-shp-TS.dgn

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13.75	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	28
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	148
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	117
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	470
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1776
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2496
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2885
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1938
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4110
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	372
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	904
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 44 F I.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
DRILL EXISTING HANDHOLE	EACH	18
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	447
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7560
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	685
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	6
LED SIGNAL FACE VISOR HEATER	EACH	36
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNAL	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL: Devon at Lincoln Ave-4 [Sheet]  
FILE NAME: c:\paw\_work\pawid\hassan\md0979450-sh1-TS.dgn

TS 1505

	USER NAME   = naveed,hassan	DESIGNED   -	REVISED   -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES DEVON AVE, AND U.S. ROUTE 41 (LINCOLN AVE.)	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN    -	REVISED   -			1349	2020-080-RS&SW	COOK	52	38
		CHECKED   -	REVISED   -			CONTRACT NO. 62L58				
	PLOT DATE   = 12/13/2024	DATE       -	REVISED   -			ILLINOIS   FED. AID PROJECT				
	SCALE:                   SHEET A009   OF   9   SHEETS   STA.                   TO STA.									



1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**STAGE 1** (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

\*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."

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

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.

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL ) "
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING				
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	39
<b>BD600-03 (BD-08)</b>		<b>CONTRACT NO. 62L58</b>		
	ILLINOIS	FED. AID PROJECT		

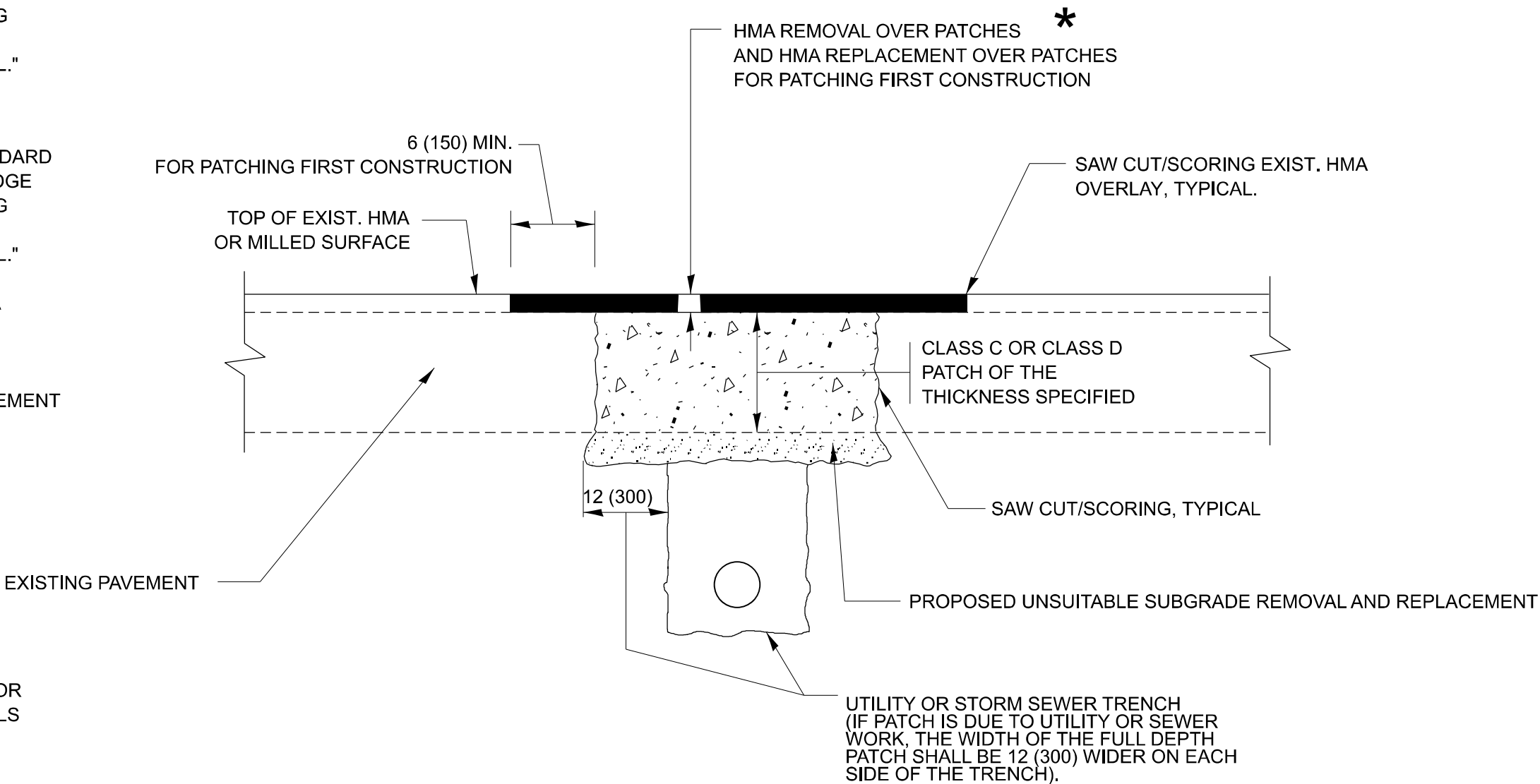


METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

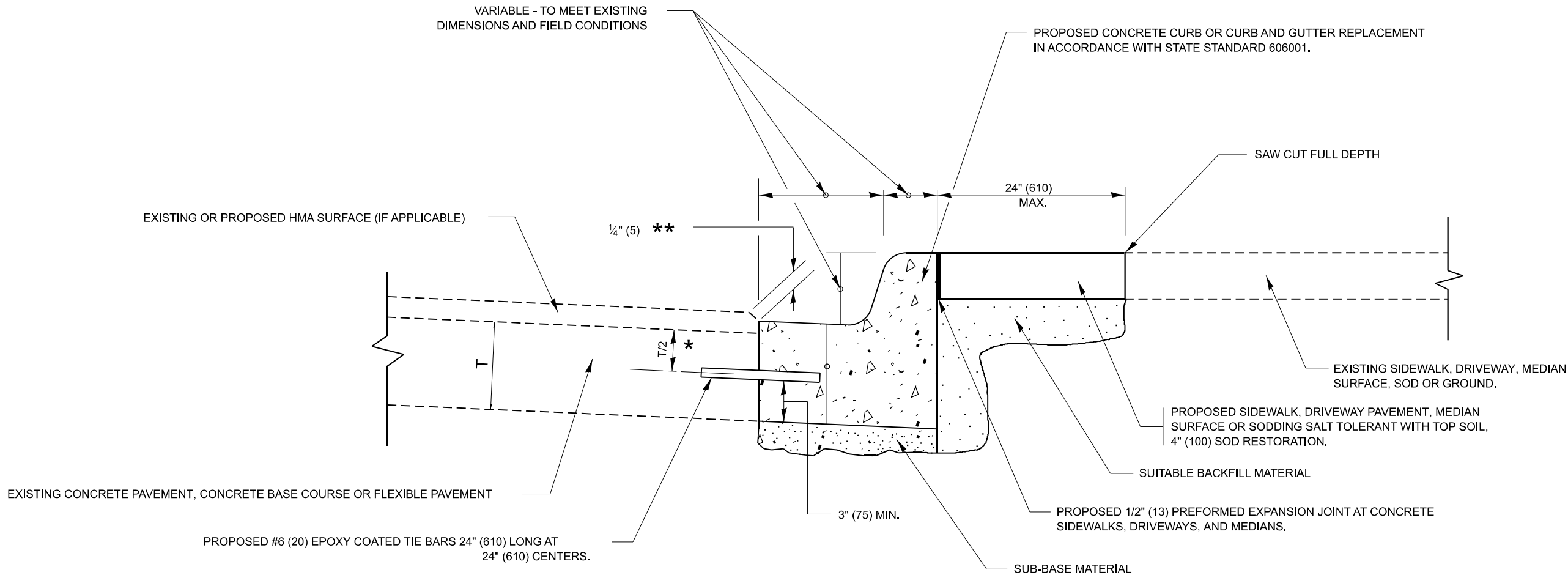
- 1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: BD-22 (Sheet)  
FILE NAME: c:\pav\_work\pav\hassan\m0979450\0147920-0-hh-DiaStd.dgn

	USER NAME = naveed.hassan	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED - R. BORO 09-04-07						1349	2020-080-RS&SW	COOK	52	40			
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED - K. ENG 10-27-08						BD400-04 (BD-22)					CONTRACT NO. 62L58		
	PLOT DATE = 12/13/2024	DATE - 10-25-94	REVISED - K. SMITH 11-18-22						ILLINOIS FED. AID PROJECT							
	SCALE: NONE		SHEET 1 OF 1 SHEETS						STA.		TO STA.					

MODEL: BD-24 (Sheet)  
FILE NAME: c:\p\work\hassan\m0979450D147920-gh-DhsStds.dgn

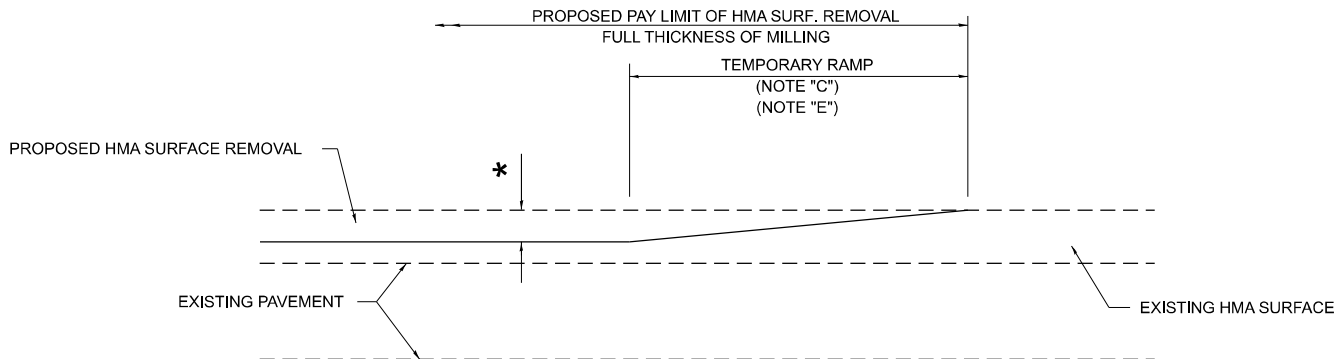


- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

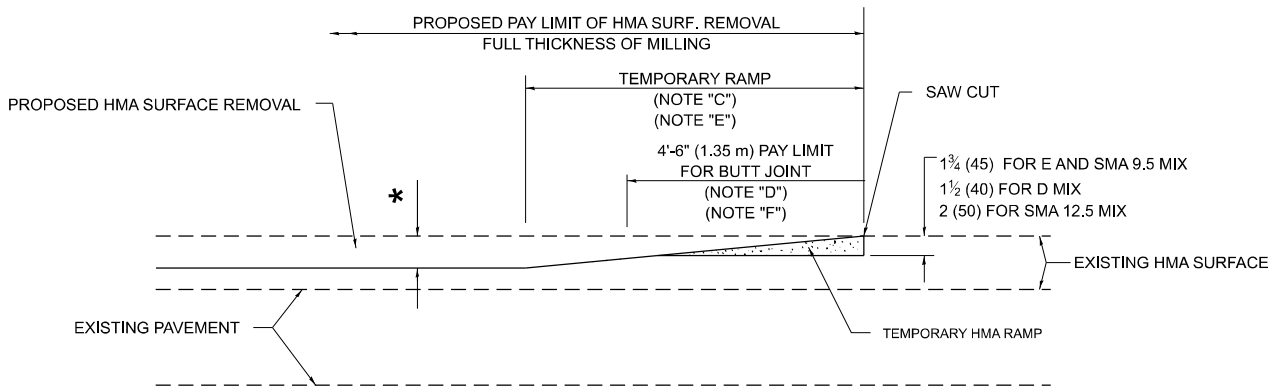
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

	USER NAME = naveed,hassan	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 01-22-01					1349	2020-080-RS&SW	COOK	52	41
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)			CONTRACT NO. 62L58				
	PLOT DATE = 12/13/2024	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



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

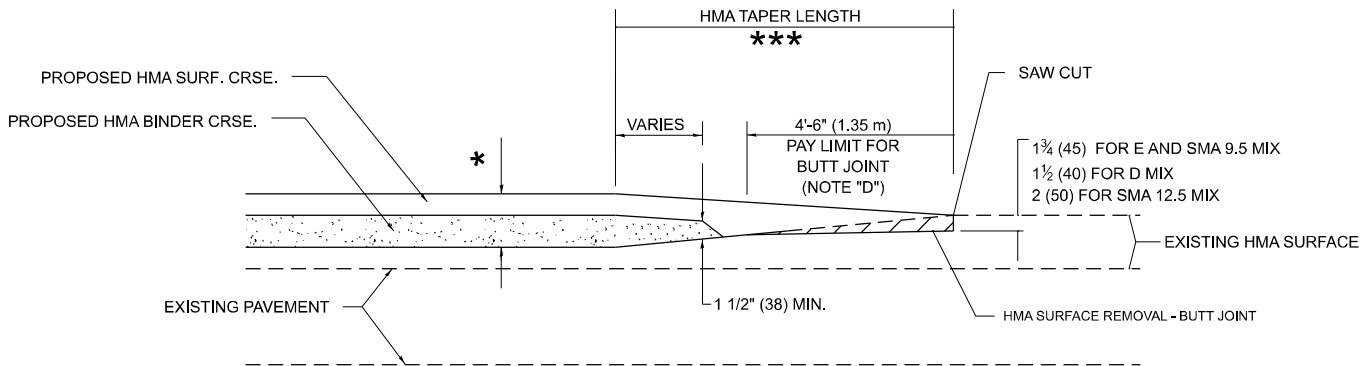
**OPTION 1**



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

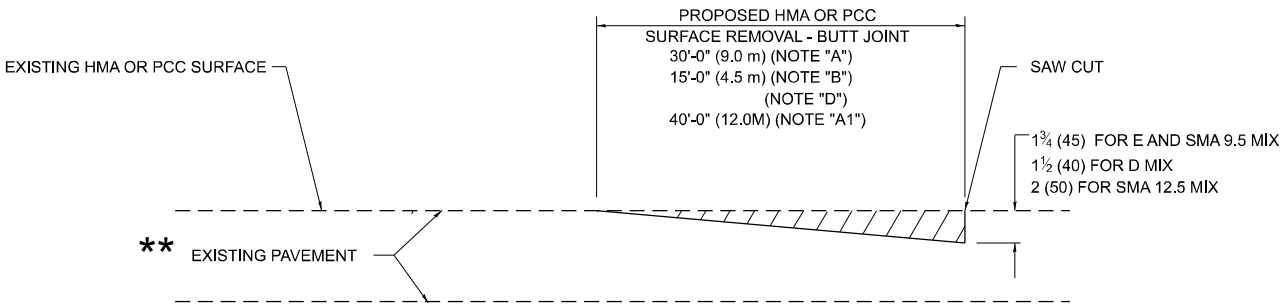
**OPTION 2**

**TYPICAL TEMPORARY RAMP**

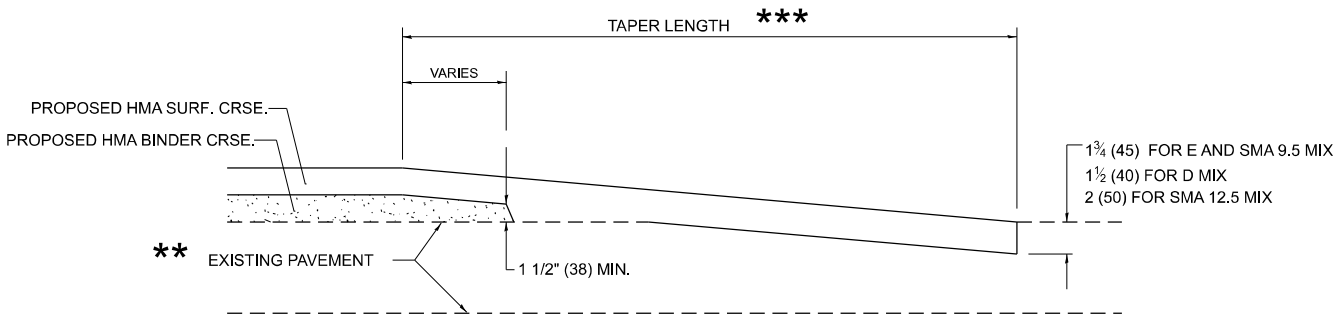


**BUTT JOINT AND  
HMA TAPER**

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



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4' (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
**\*** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
**\*\*\***  
20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

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

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

MODEL: BD-32 [Sheet]  
FILE NAME: c:\pav\_work\pkw\hassan\m0979450\0147020-01h-DiaStds.dgn

USER NAME = naveed,hassan	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN - M. GOMEZ 04-06-01	REVISED - R. BORO 01-01-07
PLOT SCALE = 0.16666633"/in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 12/13/2024	DATE - 06-13-90	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	42
BD400-05 BD-32		CONTRACT NO. 62L58		
		ILLINOIS FED. AID PROJECT		

MODEL: TC-10 [Sheet]  
FILE NAME: c:\p\work\hassan\m0979450D147920-sh-01aStd.dgn

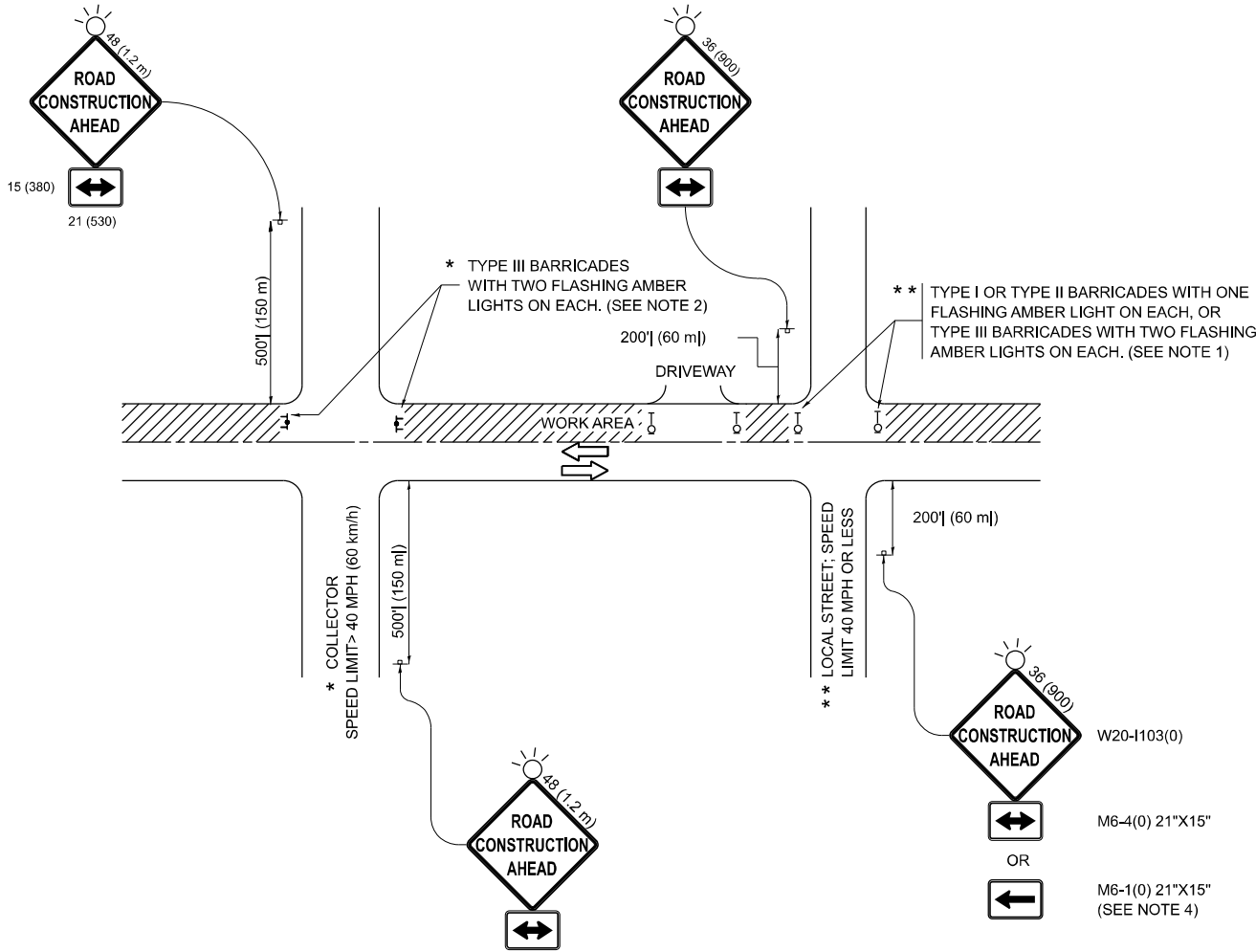
USER NAME	= naved.hassan	DESIGNED	- L.H.A.	REVISED	- T. RAMMACHER 01-06-00
		DRAWN	-	REVISED	- A. SCHUETZE 07-01-13
PLOT SCALE	= 0.16666633 "/in.	CHECKED	-	REVISED	- A. SCHUETZE 09-15-06
PLOT DATE	= 12/13/2024	DATE	- 06-89	REVISED	- D. SENDERAK 05-03-24

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET OF SHEETS STA. TO STA.

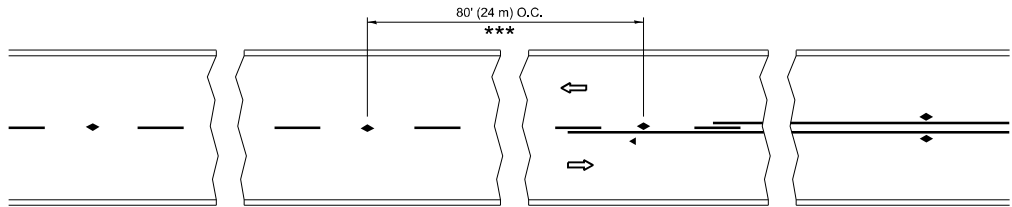
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	43
TC-10		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		



NOTES:

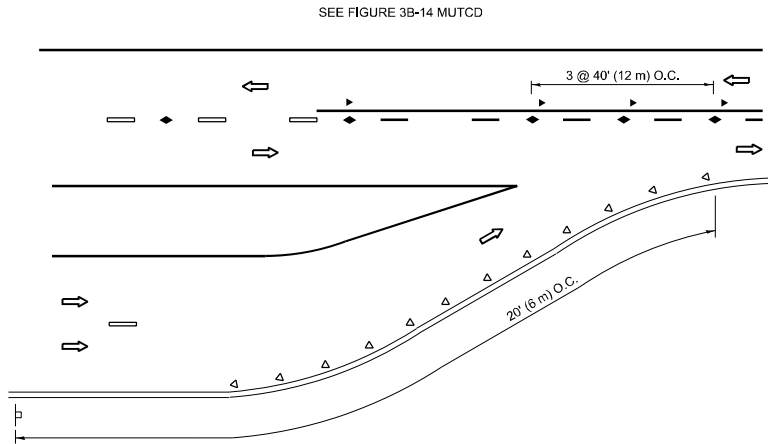
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL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

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

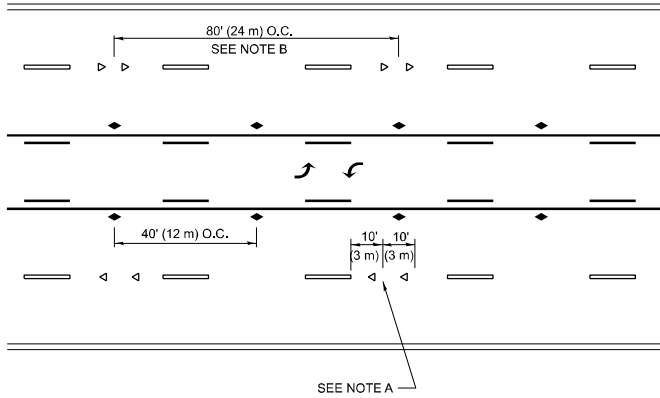


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

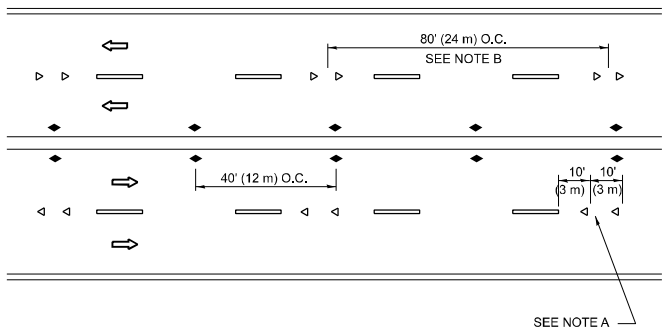
## TWO-LANE/TWO-WAY



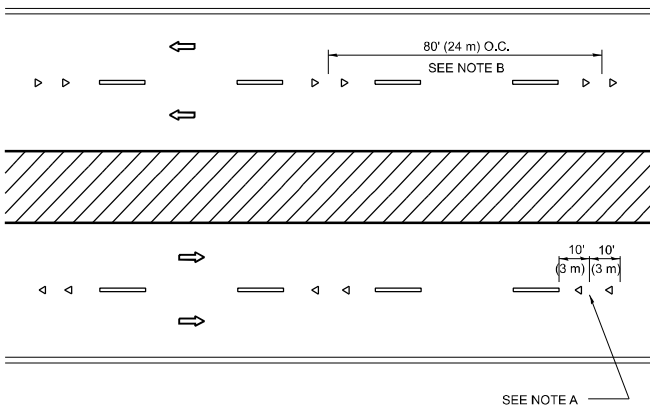
## LANE REDUCTION TRANSITION



## TWO-WAY LEFT TURN



## MULTI-LANE/UNDIVIDED



## MULTI-LANE/DIVIDED

## GENERAL NOTES

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

## SYMBOLS

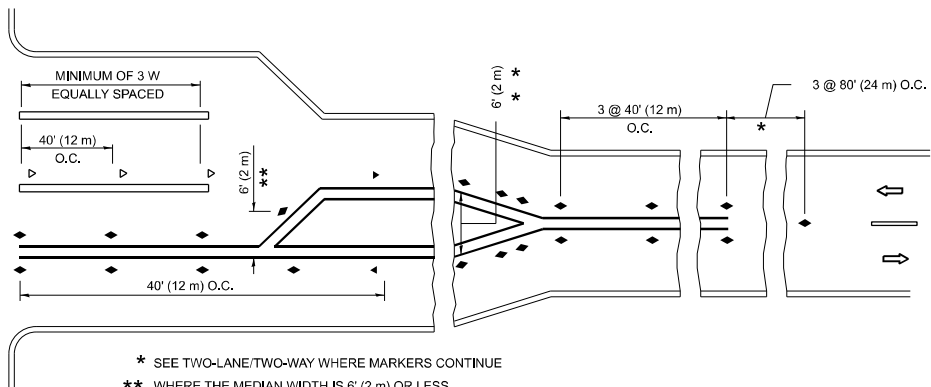
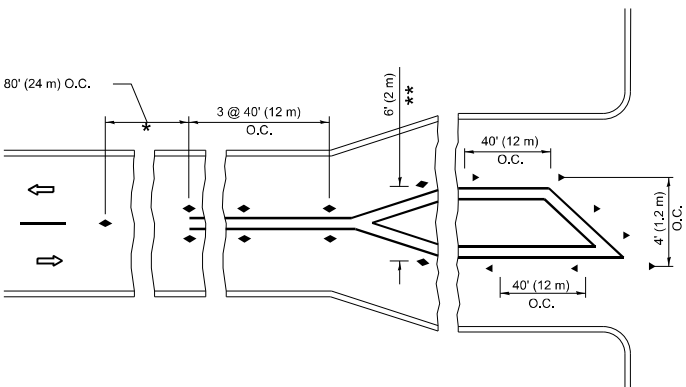
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

## LANE MARKER NOTES

- USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- 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

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



## TURN LANES

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

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

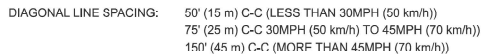
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	44
TC-11		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		



### DETAIL "A"

### DETAIL "B"

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



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

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

### TYPICAL LEFT (OR RIGHT) TURN LANE

## **COMBINATION** **LEFT AND U-TURN**



## TYPICAL ISLAND MARKING

## U-TURN



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

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

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	45
<b>TC-13</b>		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-15 [Sheet]  
FILE NAME: c:\pw work\pwwid\hassann\d0979450\D147920-sht-DistSids.dgn

TURN BAY ENTRANCE AT START  
OF LANE CLOSURE TAPER

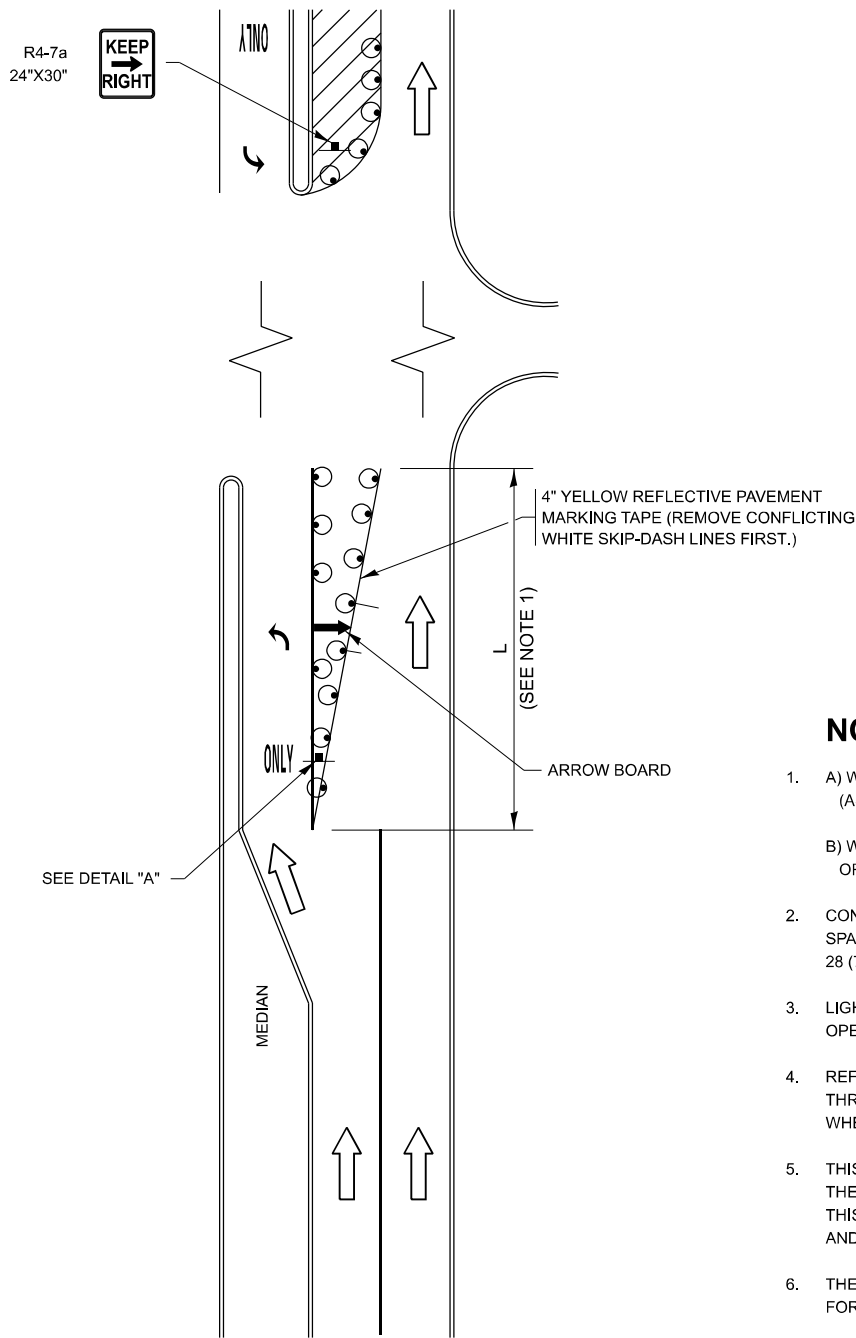
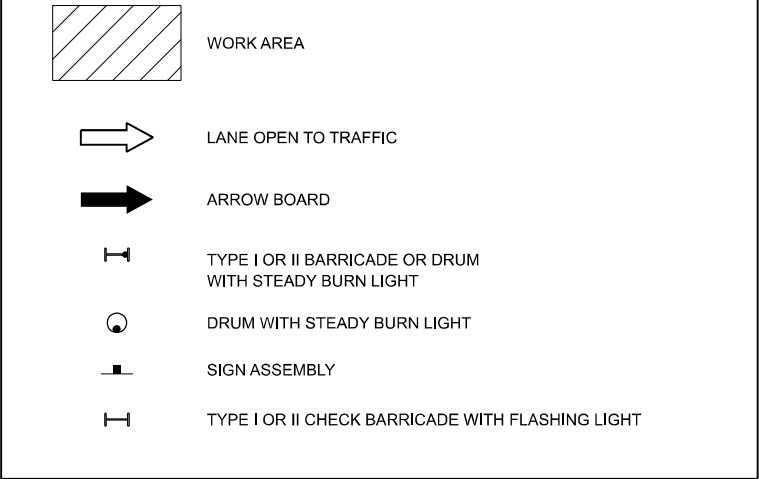


FIGURE 1

LEGEND



NOTES:

- A) WHEN "L" IS  $\leq$  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.
- 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.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 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.
- 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.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE  
WITHIN A LANE CLOSURE

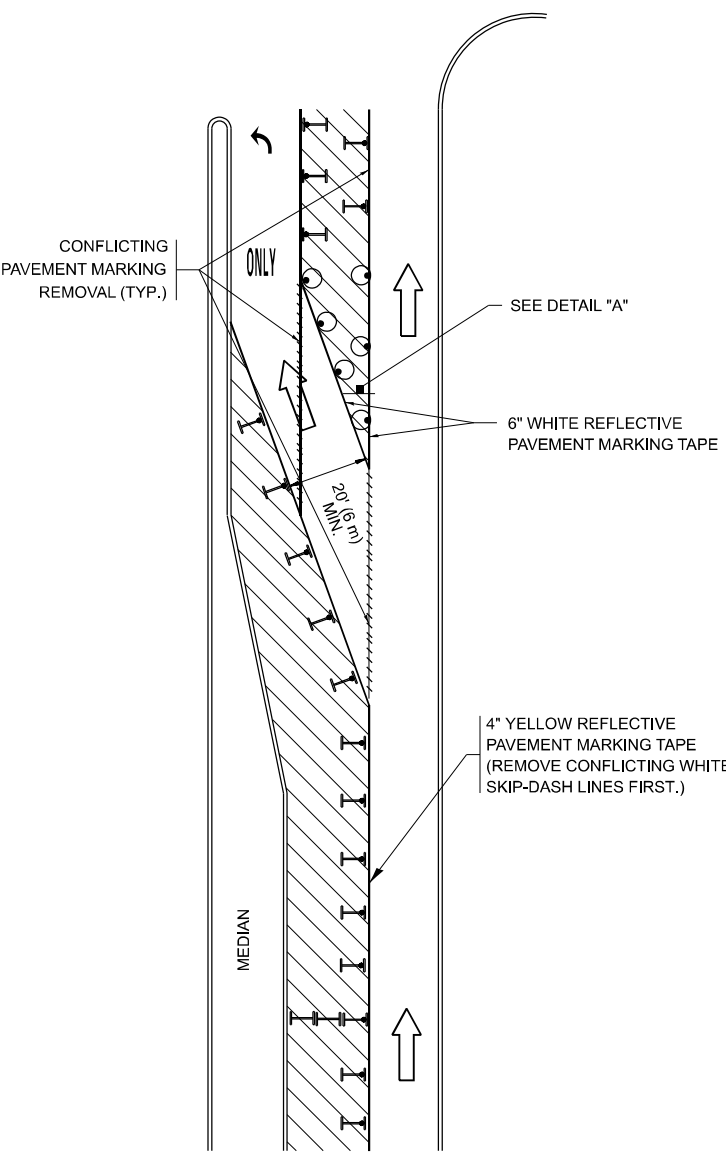
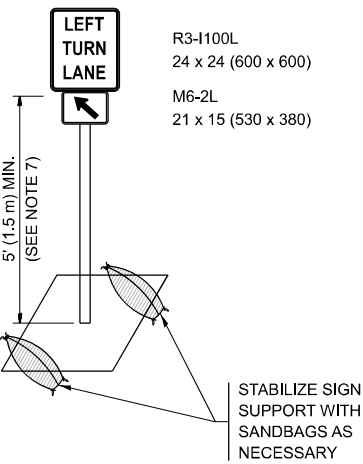


FIGURE 2



DETAIL A

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

MODEL: TC-14 (Sheet)  
FILE NAME: c:\p\work\hassan\m0979450\147920-ah-DiaStd.dgn

USER NAME = naveed.hassan	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 = 0.16666633" / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/13/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

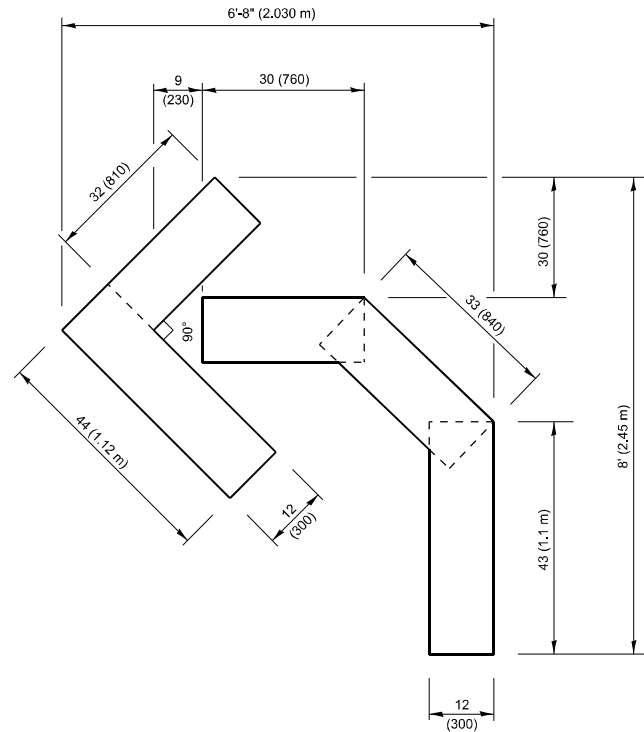
DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

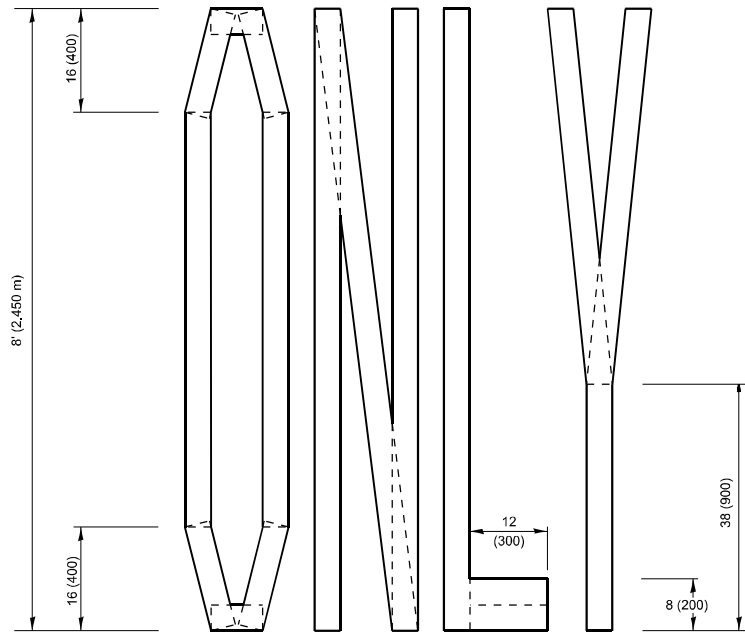
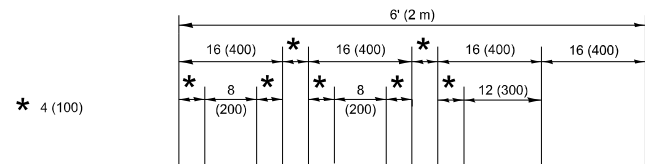
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	46
TC-14		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		



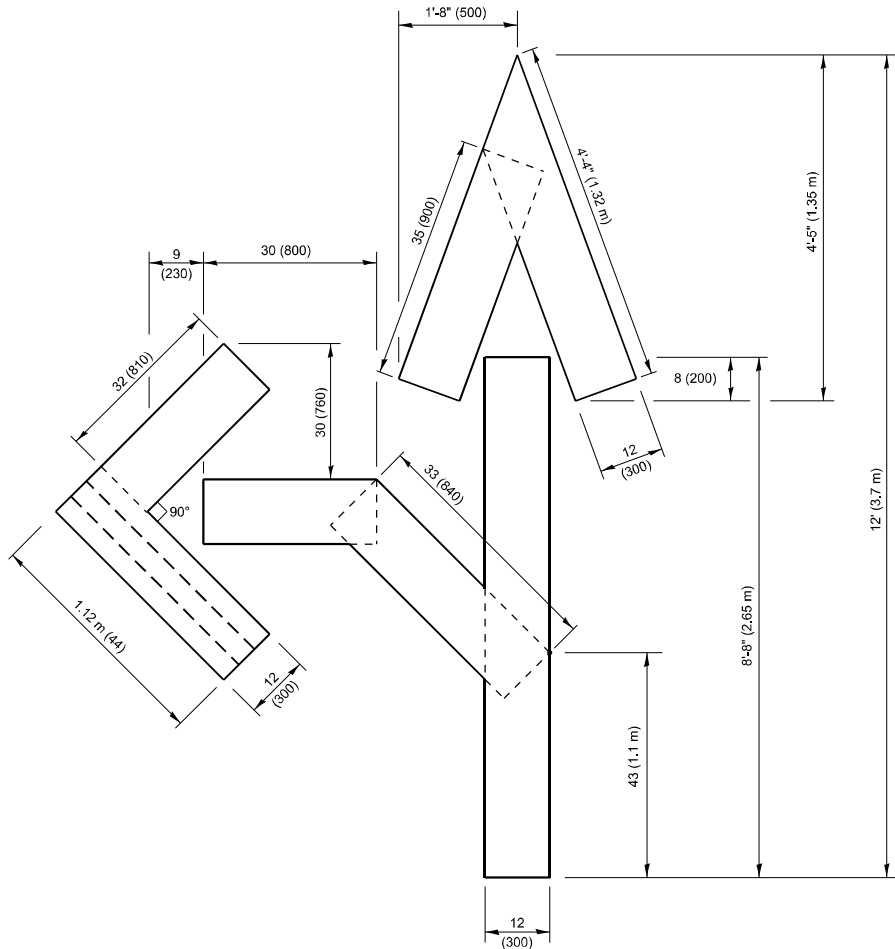
**QUANTITY**

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)

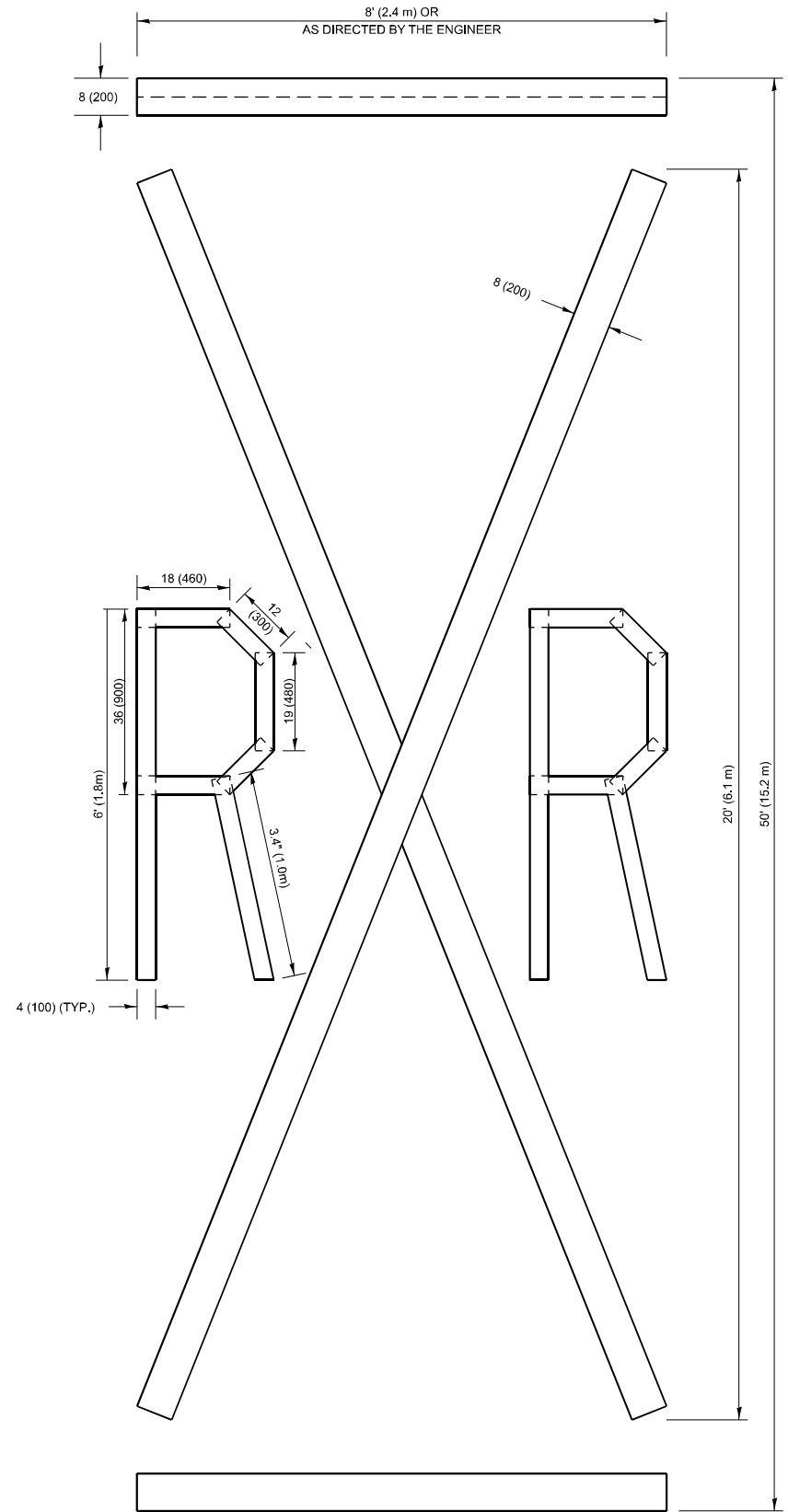


**QUANTITY**

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: TC-16 (Sheet)  
FILE NAME: c:\p\work\hassan\m0979450\147920-ohh-Dhs\Std6.dgn

USER NAME = naveed,hassan	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/13/2024	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

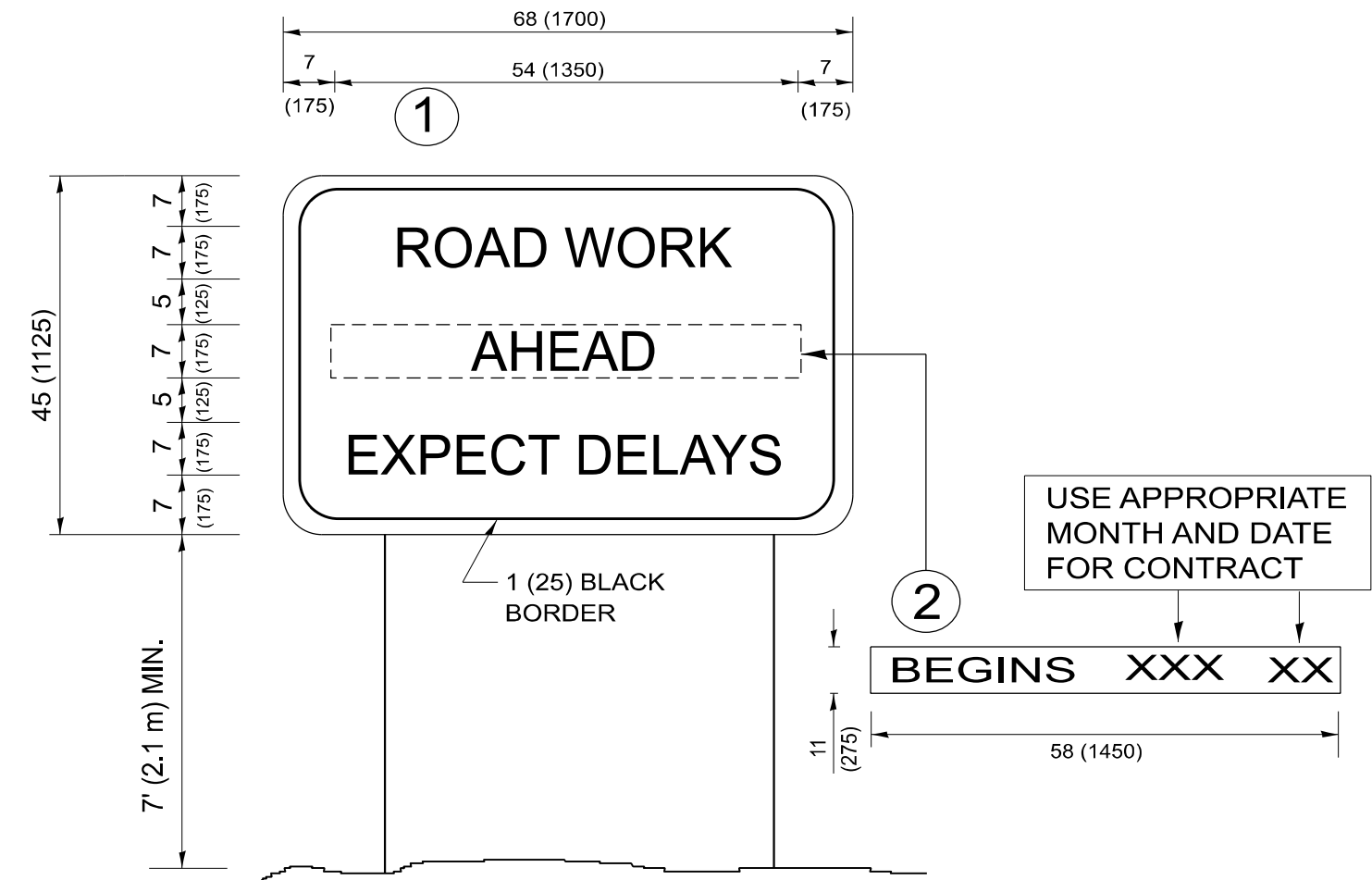
**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	47
TC-16		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		



MODEL: TC-22 [Sheet]  
FILE NAME: c:\p\work\p\work\hassan\m0979450\147920-4th-Dist\Std.dgn

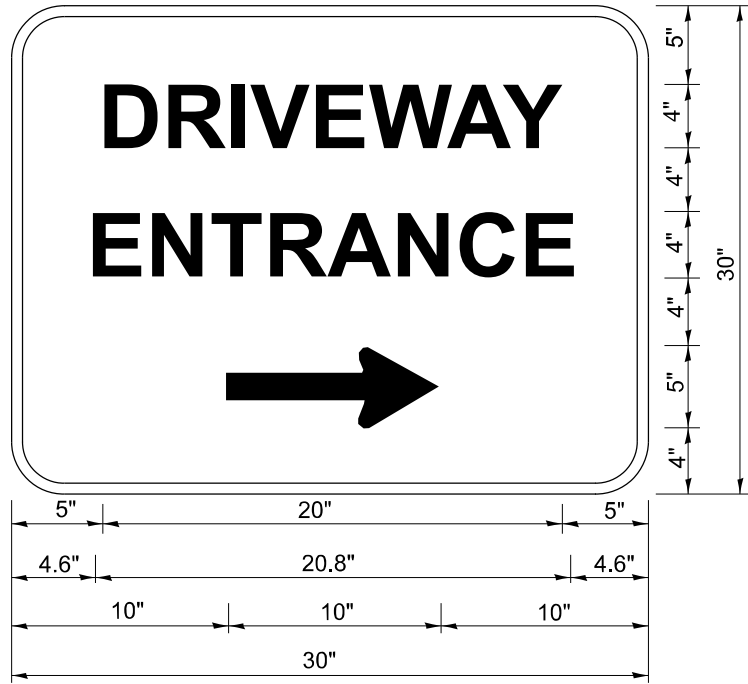


NOTES:

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.

	USER NAME   = naved,hassan	DESIGNED   -	REVISED   -   R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN    -	REVISED   -   R. MIRS 12-11-97						1349	2020-080-RS&SW	COOK	52	48
	PLOT SCALE   = 0.16666633" / in.	CHECKED   -	REVISED   - T. RAMMACHER 02-02-99						TC-22		CONTRACT NO. 62L58		
	PLOT DATE    = 12/13/2024	DATE       -	REVISED   - C. JUCIUS 01-31-07		ILLINOIS FED. AID PROJECT								
					SCALE: NONE	SHEET   1	OF   1	SHEETS	STA.	TO STA.			



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

**NOTES:**

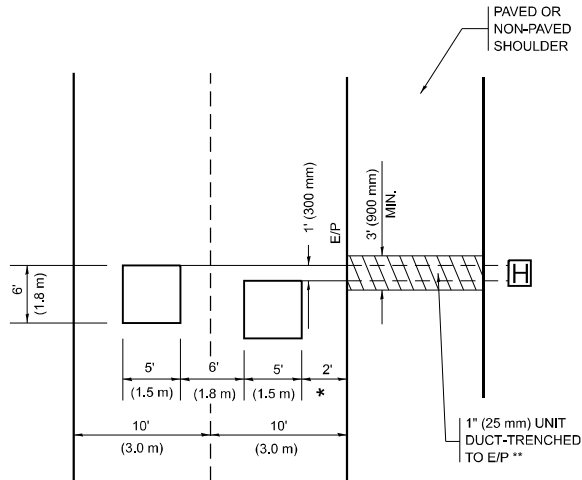
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)  
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
FAR LEFT SIDE OF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

MODEL: TC-26-4 (Sheet)  
FILE NAME: c:\p\work\p\work\hassan\m0979450D147920-4th-Dist\Std.dgn

	USER NAME = naveed,hassan	DESIGNED -	REVISED -	C. JUCIUS 0215-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -	1349					2020-080-RS&SW	COOK	52	49	
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -	TC-26			CONTRACT NO. 62L58						
	PLOT DATE = 12/13/2024	DATE -	REVISED -	SCALE:		NONE	SHEET	OR	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT

LOOPS NEXT TO SHOULDERS

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

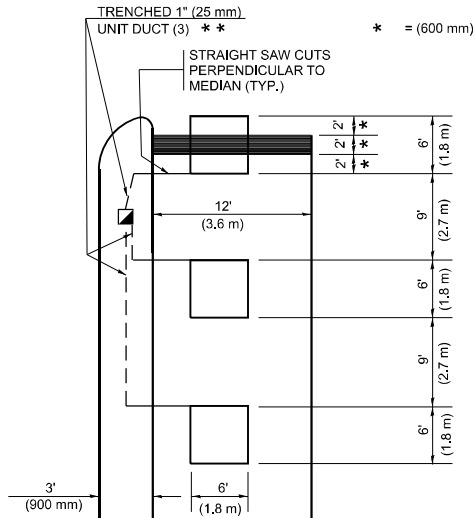


\* = (600 mm)

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

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

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

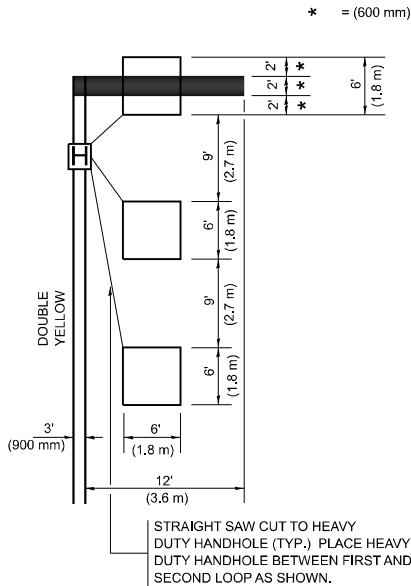


\* = (600 mm)

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

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

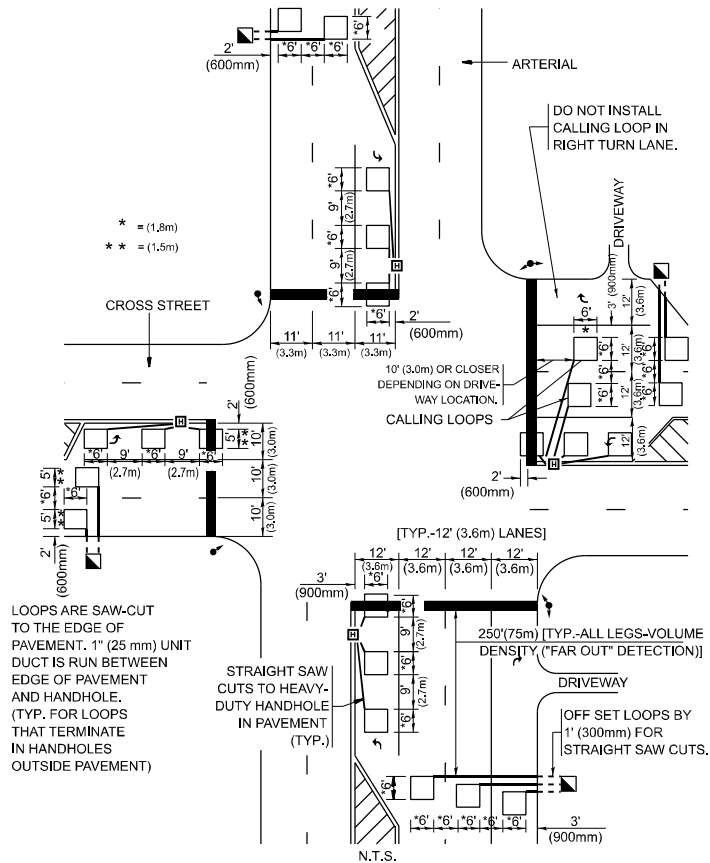
LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)



\* = (600 mm)

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

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



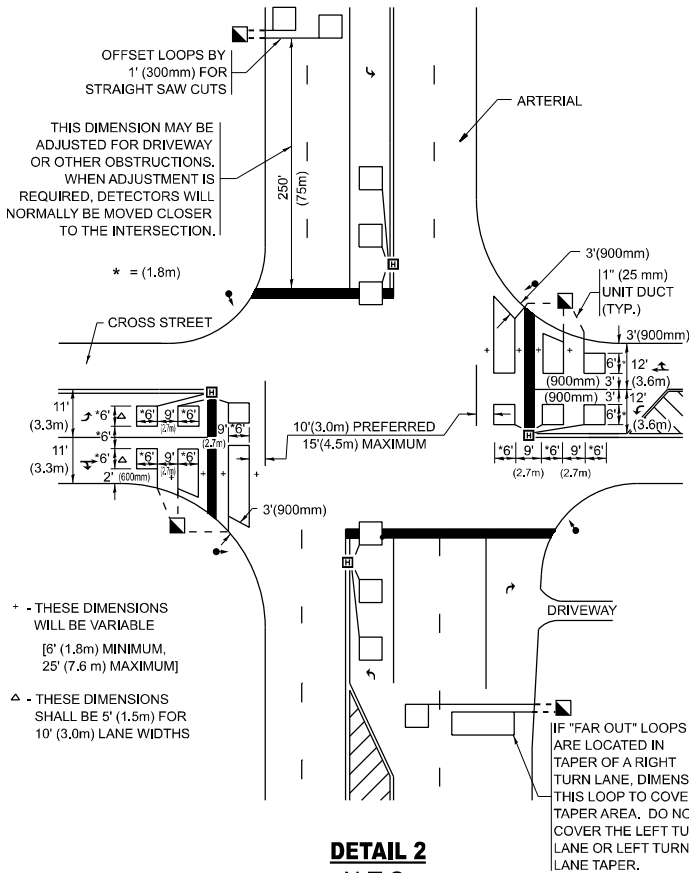
\* = (1.8m)  
\*\* = (1.5m)

LOOPS ARE SAW-CUT  
TO THE EDGE OF  
PAVEMENT. 1" (25 mm) UNIT  
DUCT IS RUN BETWEEN  
EDGE OF PAVEMENT  
AND HANDHOLE.  
(TYP. FOR LOOPS  
THAT TERMINATE  
IN HANDHOLES  
OUTSIDE PAVEMENT)

STRAIGHT SAW  
CUTS TO HEAVY-  
DUTY HANDHOLE  
IN PAVEMENT  
(TYP.)

DETAIL 1  
N.T.S.

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



OFFSET LOOPS BY  
1' (300mm) FOR  
STRAIGHT SAW CUTS

THIS DIMENSION MAY BE  
ADJUSTED FOR DRIVEWAY  
OR OTHER OBSTRUCTIONS.  
WHEN ADJUSTMENT IS  
REQUIRED, DETECTORS WILL  
NORMALLY BE MOVED CLOSER  
TO THE INTERSECTION.

\* = (1.8m)

- THESE DIMENSIONS  
WILL BE VARIABLE  
[6' (1.8m) MINIMUM,  
25' (7.6 m) MAXIMUM]

- THESE DIMENSIONS  
SHALL BE 5' (1.5m) FOR  
10' (3.0m) LANE WIDTHS

DETAIL 2  
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

MODEL: TS-07 (Sheet)  
FILE NAME: c:\p\work\hassan\m0979450\147920-ahh-DistStds.dgn

USER NAME = naveed,hassan	DESIGNED -	REVISED -
DRAWN	REVISED -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

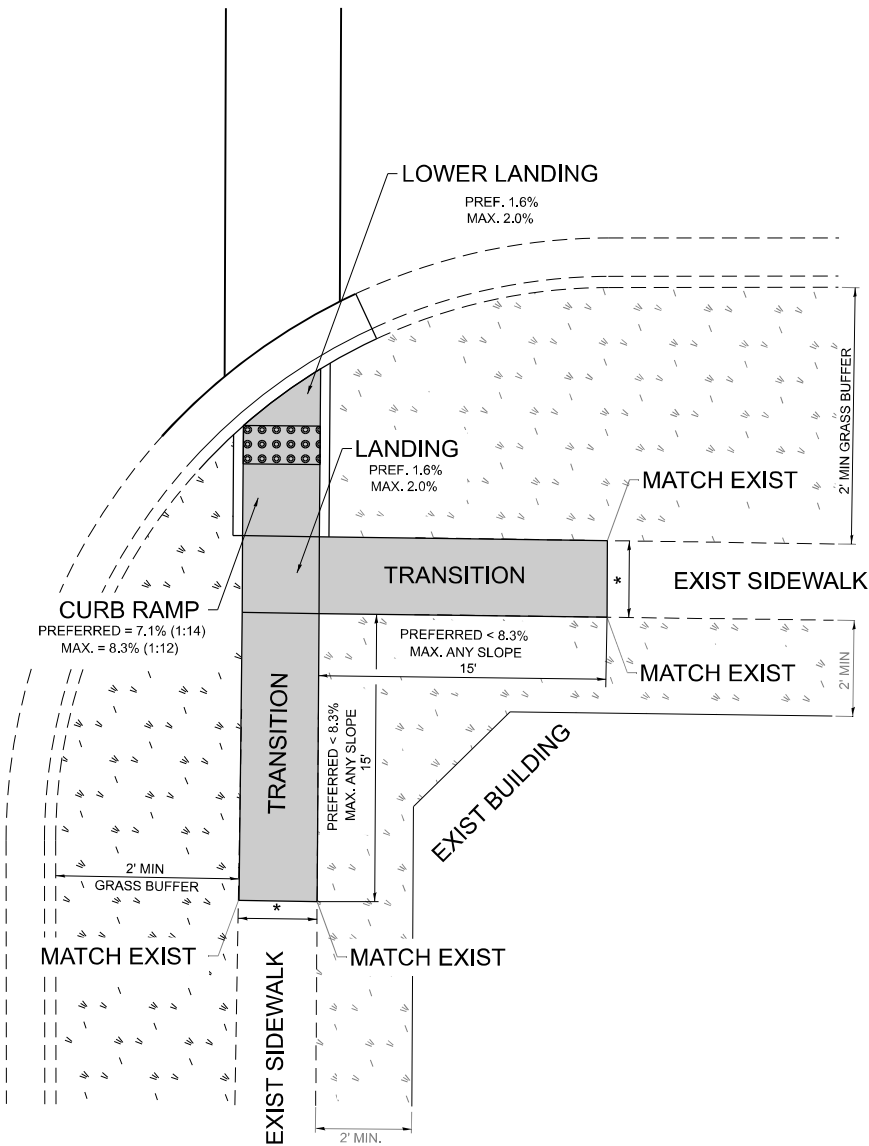
DISTRICT 1 - DETECTOR LOOP INSTALLATION  
DETAILS FOR ROADWAY RESURFACING

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

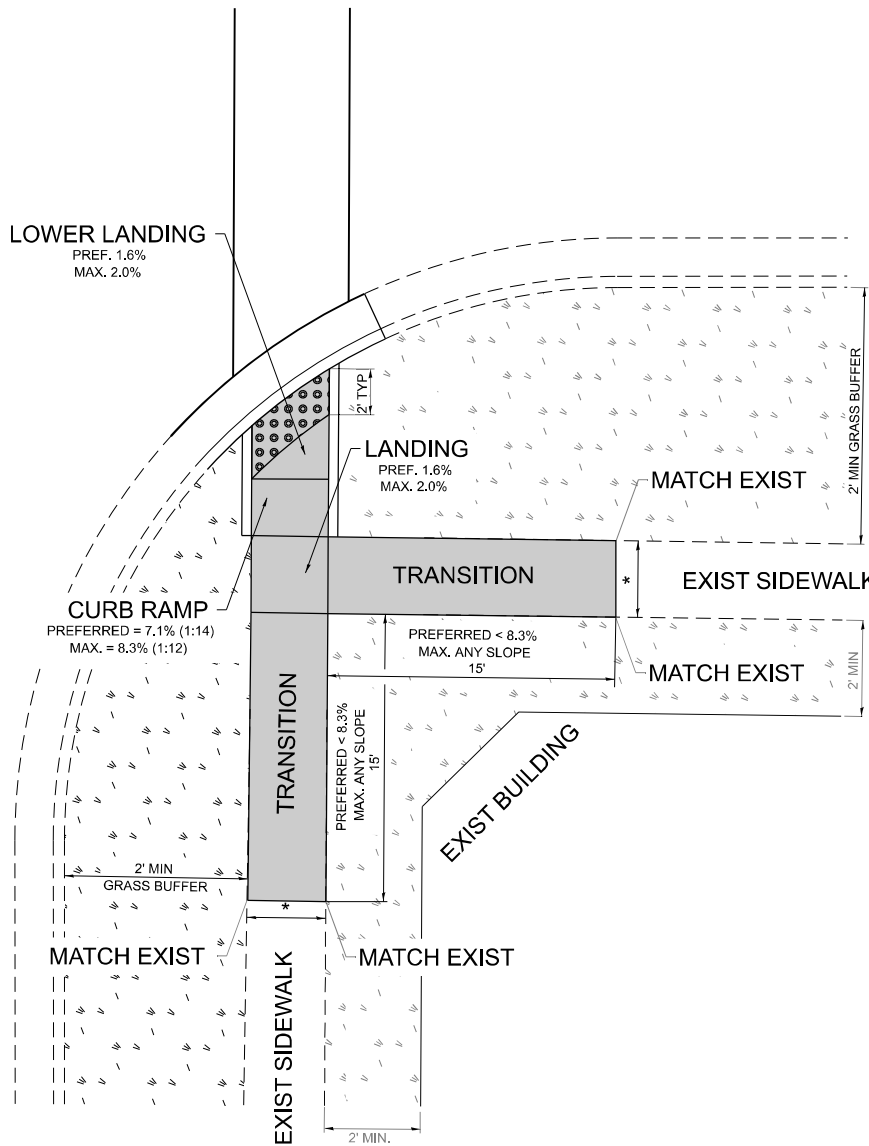
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	50
TS-07		CONTRACT NO. 62L58		
		ILLINOIS FED. AID PROJECT		

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- \* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH  
TURNING SPACE (PD-04)

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

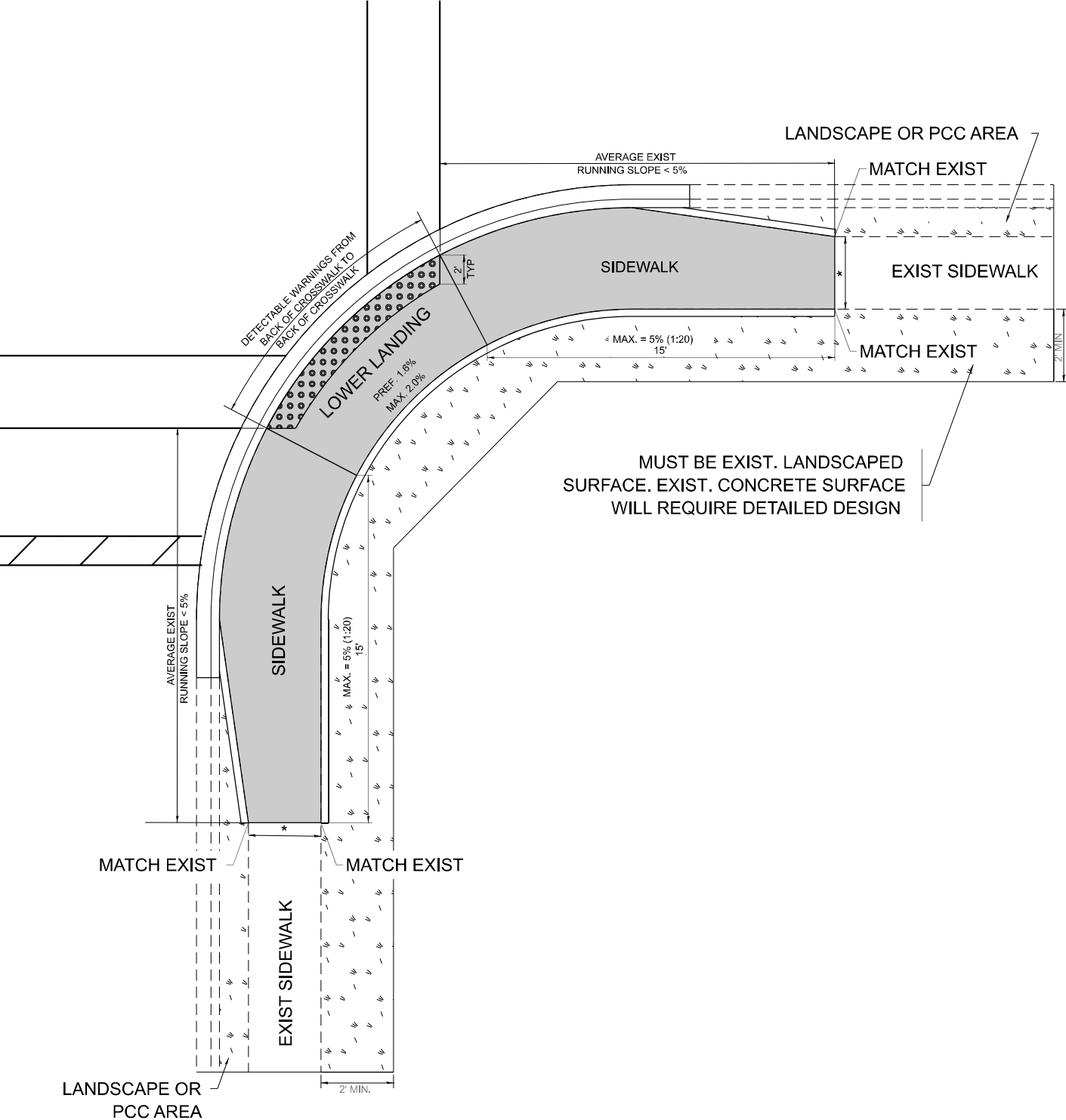
USER NAME = naveed.hassan	DESIGNED -
	DRAWN - R. LEDEZMA
PLOT SCALE = 0.16666633 ' / in.	CHECKED -
PLOT DATE = 12/13/2024	DATE - 10/02/2019

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	51
PD-04		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		

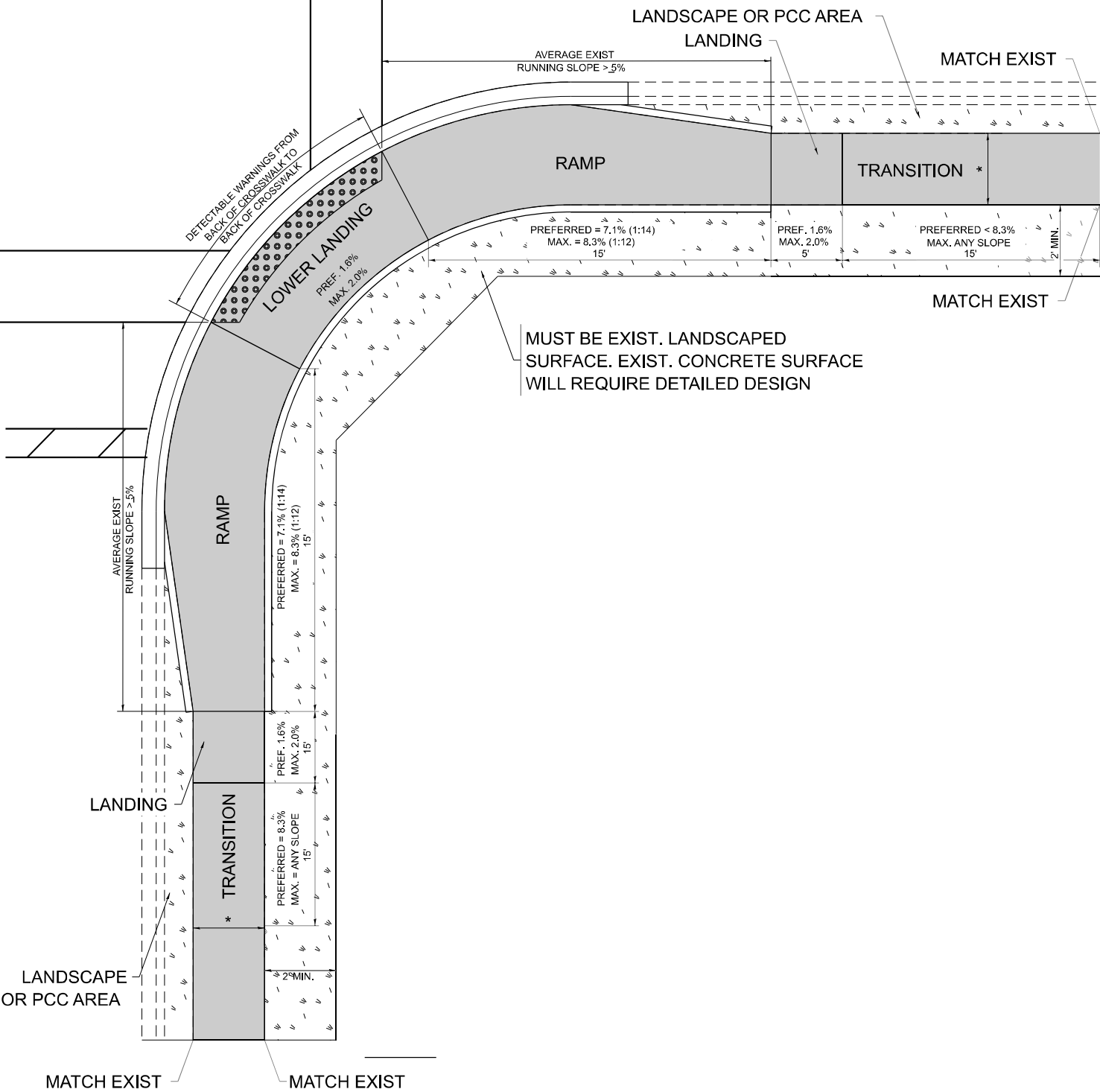
MODEL: PD-4 [Sheet]  
FILE NAME: c:\p\work\hassan\m0979450\147920-rh-DhSids.dgn

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

\* MATCH EXISTING SIDEWALK WIDTH

MODEL: PD-06 (Sheet)  
FILE NAME: c:\paw\work\hassan\m0979450\147920-ahh-Dhs\Std.dgn

USER NAME	= naveed,hassan	DESIGNED	-	REVISED	-
DRAWN	-	R. LEDEZMA	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 12/13/2024	DATE	-	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR PARALLEL CURB RAMPS  
(PD-06)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	2020-080-RS&SW	COOK	52	52
PD-06		CONTRACT NO. 62L58		
ILLINOIS		FED. AID PROJECT		