

11-17-2023 LETTING ITEM 033

FOR INDEX OF SHEETS AND HIGHWAY
STANDARDS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITY OF
HARVEY, CALUMET CITY, AND THE VILLAGE OF
SOUTH HOLLAND

TRAFFIC DATA

2021 ADT = 24,900 TO 33,900 VPD
POSTED SPEED LIMIT = 35 MPH



Alexander Carl Lane
ALEXANDER CARL LANE, P.E.
IL LIC. NO. 062-063261

EXP: 11/30/2023
DATE: 8/1/2023

THIS SEAL AND SIGNATURE PERTAINS TO
SHEETS 1 TO 20



Muthayab Ahmed Mohammed
MUTHAYAB AHMED MOHAMMED, P.E.
IL LIC. NO. 062-072419

EXP: 11/30/2023
DATE: 8/1/2023

THIS SEAL AND SIGNATURE PERTAINS TO
SHEETS 21 TO 46

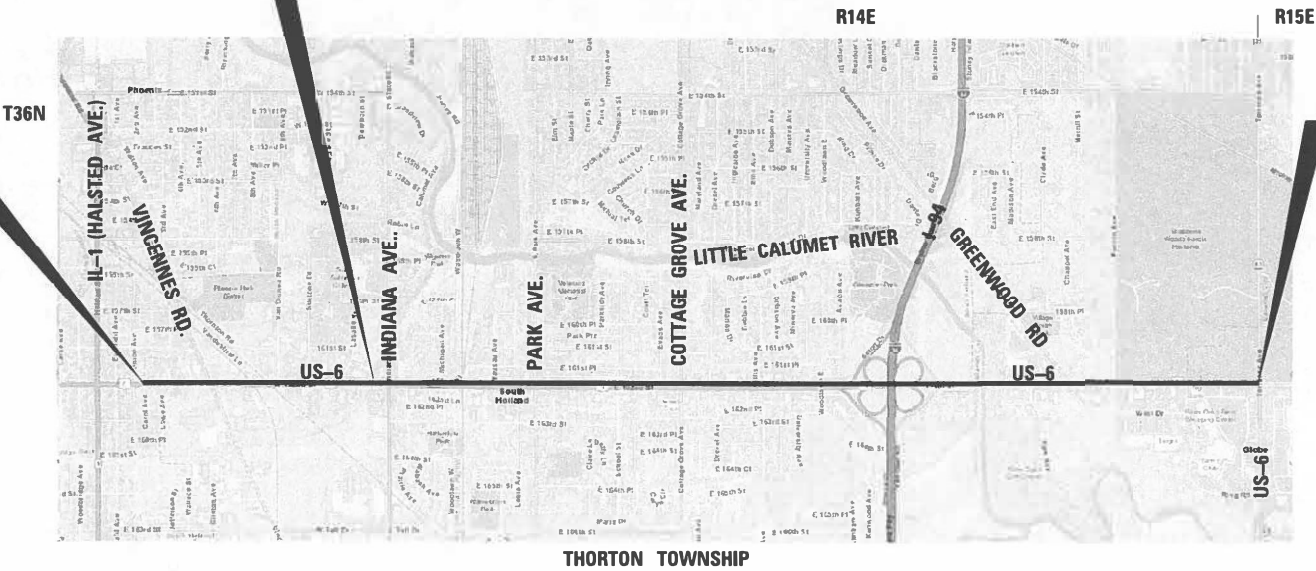
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

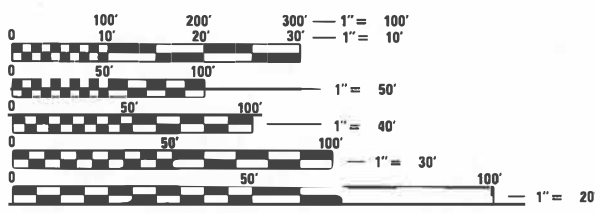
FAP ROUTE 351: US ROUTE 6
CAROL AVE TO IL RTE 83 (TORRENCE AVE)
SECTION: FAP 0351 22 RS
PROJECT: NHPP-WNKP(655)
SMART RESURFACING, ADA IMPROVEMENTS
COOK COUNTY

C-91-310-22

STRUCTURE NO. 016-0386
US-6 OVER CALUMET UNION DRAINAGE DITCH



GROSS LENGTH = 20,254 FT. = 3.84 MILE
NET LENGTH = 18,708 FT. = 3.54 MILE



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

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

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62T57

OSEH inc
CONTACT: MUTHAYAB MOHAMMED (773) 750-6910
INFRASTRUCTURE
ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com
CONTACT: ALEXANDER LANE (312) 477-0620

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	FAP 0351 22 RS	COOK	73	1
ILLINOIS			CONTRACT NO. 62T57	

* 73 + 19 = 92 TOTAL SHEETS

D-91-257-22



PROJECT ENDS
STA 217+27

SURFACING OMISSION FROM
STA. 34+81 TO STA. 34+99
STA. 37+69 TO STA. 38+23
STA. 56+12 TO STA. 59+39
STA. 149+70 TO STA. 152+40
STA. 166+48 TO STA. 168+08
STA. 188+31 TO STA. 195+48

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED August 18, 2023
Jose Rios
REGIONAL ENGINEER
October 13, 2023
S. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT
October 13, 2023
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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72	DRIVEWAY ENTRACE SIGNING (TC-26)
73	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STATE STANDARDS

STANDARD NO.	DRAWING NAME
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.
- MEADE ELECTRIC COMPANY, THE IDOT DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR, LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. CALL 773-287-7672 FOR THE INITIAL LOCATE. REQUEST FOR LOCATES OF PREVIOUSLY MARKED FACILITIES MAY BE AT THE CONTRACTOR'S EXPENSE.
- IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT INCLUDING THE ROADSIDE DEVELOPMENT UNIT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.G.1. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
- THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A 404 PERMIT. IF THE CONTRACTOR CHOSOS TO USE ACTIVITIES REQUIRING AN USAGE 404 PERMIT IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USAGE PERMITS.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM I.D.O.T. FIELD MAINTENANCE ENGINEERS.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT SHALL BE EPOXY COATED UNLESS NOTED ON THE PLANS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS-RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTENT)" SHOWN IN PLANS.
- THE CENTERLINE IS FOR INFORMATION ONLY.
- MILLING AND PAVING OPERATIONS MUST INCLUDE THE APPROACHES OF THE RAILROAD TRACKS, UP TO THE TRACK PANELS.
- 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.
- 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.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 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.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
- 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.
- CLASS B PAVEMENT PATCHING WHICH REQUIRES FRAMES AND GRATES TO BE ADJUSTED SHALL BE CONSTRUCTED UTILIZING "CAST IN PLACE" ALTERNATE ACCORDING TO STATE HIGHWAY STANDARD 420111 FOR "PCC PAVEMENT ROUNDOUTS".
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF HARVEY, CALUMET CITY, VILLAGE OF SOUTH HOLLAND, AND THE FOREST PRESERVE OF COOK COUNTY. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 TO SCHEDULE A WALK THROUGH TO DETERMINE TREE REMOVAL, SELECTIVE CLEARING, AND OTHER FORESTRY WORK A MINIMUM OF 14 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODY OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
- THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, TO SCHEDULE LAYOUT OF AREAS TO BE TREATED WITH HERBICIDE AT LEAST 7 DAYS PRIOR TO THE APPLICATION.
- THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AND AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.
- TO CONSERVE THE NORTHERN LONG EARED BAT, TREES SHALL NOT BE REMOVED OR PRUNED BETWEEN APRIL 1 AND OCTOBER 31 OF ANY GIVEN YEAR.
- THE CONTRACTOR SHALL REFERENCE THE UNION PACIFIC FOLDER NUMBER 052217 IN ALL CORRESPONDENCE WITH THE UNION PACIFIC RAILROAD.

	INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES US-6 (CAROL AVE. TO TORRENCE AVE.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = 20,0000' = 1 in.	DRAWN - IMU	REVISED -			351	FAP 0351 22 RS	COOK	73	2
			CHECKED - ACL	REVISED -			CONTRACT NO. 62T57				
			DATE - 08/22/2023				SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT

				CONSTRUCTION CODE				
				0005 ROADWAY		0021 TRAFFIC SIGNAL	0059 BRIDGE	
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	14	14				
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4	4				
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4	4				
20200100	EARTH EXCAVATION	CU YD	275	275				
21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	3,445	3,445				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	227	227				
25000115	SEEDING, CLASS 1B	ACRE	0.50	0.50				
25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50				
25200110	SODDING, SALT TOLERANT	SQ YD	227	227				
25200200	SUPPLEMENTAL WATERING	UNIT	1.0	1.0				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75	75				
28000510	INLET FILTERS	EACH	19	19				
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	220	220				
35101400	AGGREGATE BASE COURSE, TYPE B	TON	87	87				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	468	468				
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SQ YD	220	220				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	62,706	62,706				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	75,150	75,150				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	232	232				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,227	1,227				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	89	89				
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	13,645	13,645				
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	53	53				
42001300	PROTECTIVE COAT	SQ YD	882	882				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	351	351				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9,868	9,868				

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				CONSTRUCTION CODE				
				0005 ROADWAY		0021 TRAFFIC SIGNAL	0059 BRIDGE	
PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	121	121				
42400800	DETECTABLE WARNINGS	SQ FT	800	800				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	136,909	136,909				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	819	819				
44000600	SIDEWALK REMOVAL	SQ FT	9,226	9,226				
* 44002211	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 3/4"	SQ YD	701	701				
44003100	MEDIAN REMOVAL	SQ FT	1,974	1,974				
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	18,877	18,877				
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	251	251				
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	100	100				
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	30	30				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	2,448	2,448				
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	660	660				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	2,307	2,307				
44213200	SAW CUTS	FOOT	4,968	4,968				
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	3,103	3,103				
45200300	JOINT OR CRACK FILLING	POUND	980	980				
50102400	CONCRETE REMOVAL	CU YD	1.5				1.5	
56109210	WATER VALVES TO BE ADJUSTED	EACH	2	2				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	6	6				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	10	10				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10				
60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	3	3				
60404800	FRAMES AND GRATES, TYPE 11	EACH	1	1				
60404950	FRAMES AND GRATES, TYPE 24	EACH	9	9				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1				

* = SPECIALTY ITEM

MODEL Path: \\P:\2020\4094-00 IDOT Various Phase 2 (TBE 106 Item 16)WVO 38 62157\OGN\CADD_Sheets\162157-SHT5-SOC-03.dgn
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				CONSTRUCTION CODE				
				0005 ROADWAY		0021 TRAFFIC SIGNAL	0059 BRIDGE	
PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	3				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	195	195				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	8	8				
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	50				
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56	56				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,059	4,059				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	630	630				
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2,519	2,519				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	47,028	47,028				
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	9,412	9,412				
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	2,292	2,292				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1,612	1,612				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	375	375				

* = SPECIALTY ITEM

MODEL: Default
FILE NAME: I:\P\2020-4094-00 IDOT Various Phase 2 (P)B 196 Item 16\W00 36 621510GH\CADD Sheets\1D182157-SHT-500-00.dgn

				CONSTRUCTION CODE				
				0005 ROADWAY		0021 TRAFFIC SIGNAL	0059 BRIDGE	
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	1,889	1,889				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,519	2,519				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	43,732	43,732				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8,078	8,078				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2,159	2,159				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,599	1,599				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	231	231				
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	110	110				
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,297	3,297				
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,335	1,335				
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	134	134				
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	13	13				
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	145	145				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,592	1,592				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,592	1,592				
* 78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2,122	2,122				
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	171			171		
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	232			232		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8			8		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,693			2,693		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,050			1,050		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,810			1,810		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,855			4,855		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	127			127		
* 87700200	STEEL MAST ARM, ASSEMBLY AND POLE, 32 FT	EACH	1			1		
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH	FOOT	14			14		
* 87900200	DIAMETER DRILL EXISTING HANDHOLE	EACH	15			15		
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12			12		
* 88030020	SIGNAL HEAD, LED, I-FACE, 3-SECTION, MAST-ARM MOUTED	EACH	2			2		

* = SPECIALTY ITEM

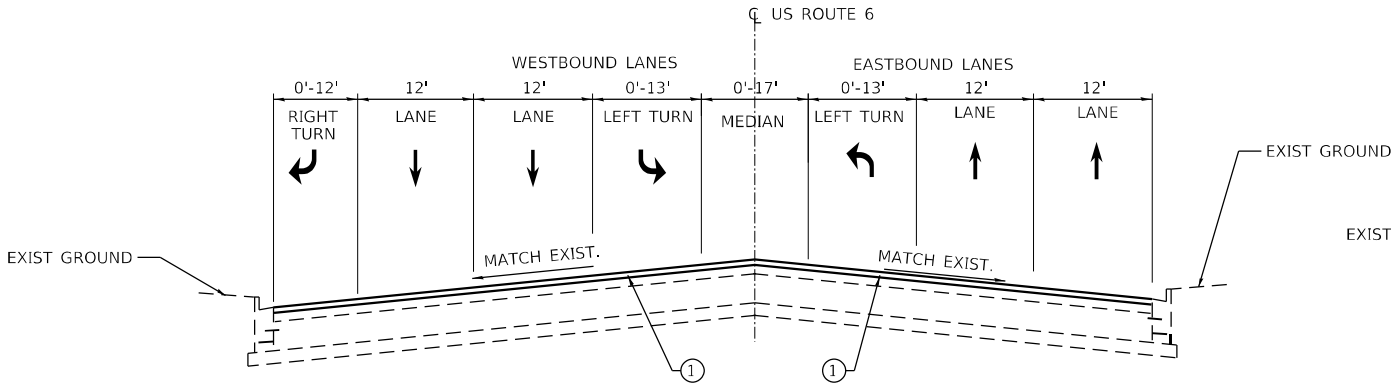
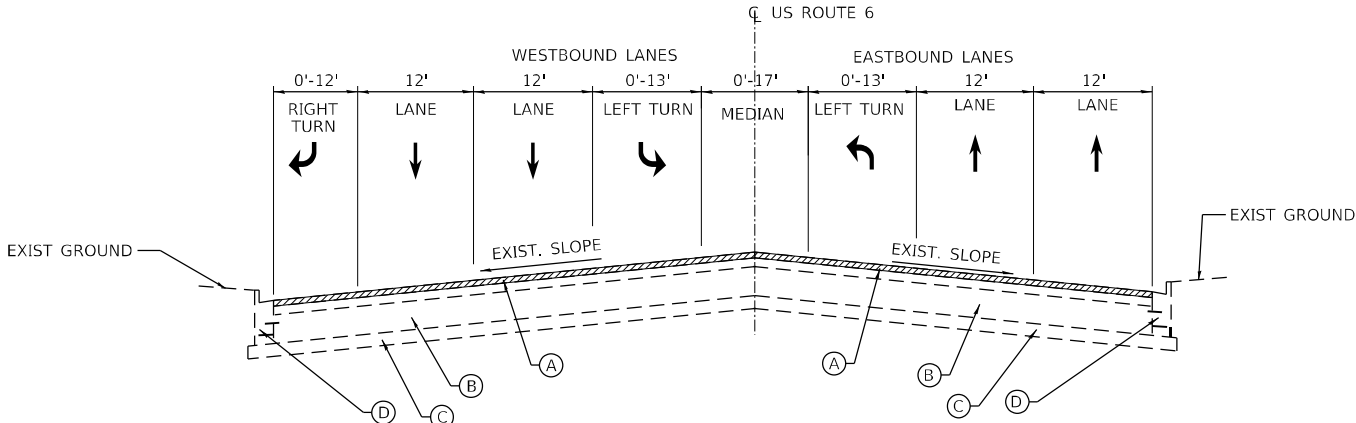
 <div>INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9560 F 312.425.9564 www.infrastructure-eng.com</div>	USER NAME = ALane	DESIGNED - IMU	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>SUMMARY OF QUANTITIES US-6 (CAROL AVE. TO TORRENCE AVE.)</div>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / in.	DRAWN - IMU	REVISED -						351	FAP 0351 22 RS	COOK	73	6
		CHECKED - ACL	REVISED -		CONTRACT NO. 62T57								
		DATE - 08/22/2023			ILLINOIS FED. AID PROJECT								
			SCALE:		STA.		TO STA.						

MODEL: Default
FILE NAME: I:\P\2020-4094-00 IDOT Various Phase 2 (P)B 196 Item 16\W036 621510GH\CADD Sheets\0162157-SHT-500-05.dgn

				CONSTRUCTION CODE				
				0005 ROADWAY		0021 TRAFFIC SIGNAL	0059 BRIDGE	
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	
	88030050 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1		
*	88600100 DETECTOR LOOP, TYPE I	FOOT	7,979			7,979		
	88200210 TRAFFIC SIGNAL BACKPLATE, LOUVERD, ALUMINUM	EACH	2			2		
*	89500200 RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3			3		
*	88500100 INDUCTIVE LOOP DETECTOR	EACH	1			1		
*	89502350 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	435			435		
*	89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8			8		
*	89502376 REBUILD EXISTING HANDHOLE	EACH	1			1		
	89502380 REMOVE EXISTING HANDHOLE	EACH	2			2		
	K0029614 WEED CONTROL, AQUATIC	GALLON	1	1				
	K0036120 MULCH PLACEMENT 4"	SQ YD	60	60				
	X0320050 CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
	X0327611 REMOVE AND REINSTALL BRICK PAVER	SQ FT	204	204				
	X0327989 REMOVE EXISTING BRICK PAVERS	EACH	483	483				
*	X1400367 PEDESTRIAN SIGNAL POST, 10 FT.	EACH	5			5		
*	X1400378 PEDESTRIAN SIGNAL POST, 5 FT.	EACH	8			8		
*	X1400388 VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1			1		
	X2503110 MOWING (SPECIAL)	ACRE	0.50	0.50				
	X2510635 HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	1,350	1,350				
	X2511630 EROSION CONTROL BLANKET (SPECIAL)	SQ YD	2,670	2,670				
	X4400501 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	1,350	1,350				
	X4400503 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	8,700	8,700				
	X5537800 STORM SEWERS TO BE CLEANED 12"	FOOT	500		500			
	X5538000 STORM SEWERS TO BE CLEANED 18"	FOOT	250		250			
	X6030310 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	108	108				
	X6700407 ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12				
	X8760200 ACCESSIBLE PEDESTRIAN SIGNALS	EACH	48			48		
	X8780012 CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	52			52		
	Z0001110 GAS VALVE TO BE ADJUSTED	EACH	1	1				

* = SPECIALTY ITEM

MODEL: Default
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LEGEND

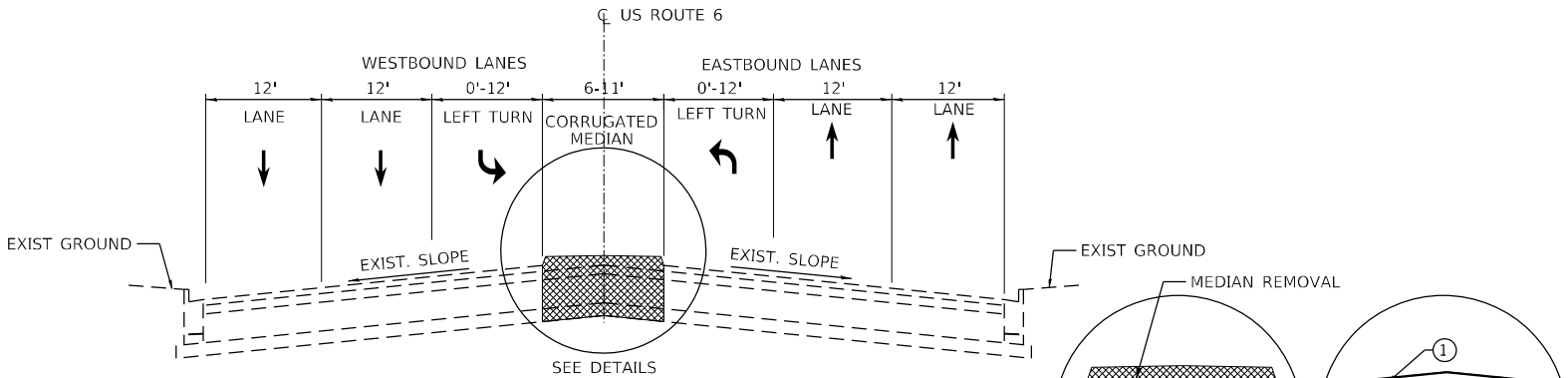
- (A) EXISTING HOT-MIX ASPHALT PAVEMENT 4 1/2"
- (B) EXISTING CONCRETE PAVEMENT 9"
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (E) EXISTING CORRUGATED MEDIAN
- (F) EXISTING BARRIER MEDIAN
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX F, N80, 1-3/4"
- (2) HOT-MIX ASPHALT BASE COURSE, 8-1/4"
- (3) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (4) CLASS D PATCHES TYPE, 12 INCH

LEGEND:

1-3/4" HMA SURFACE REMOVAL

NOTES:

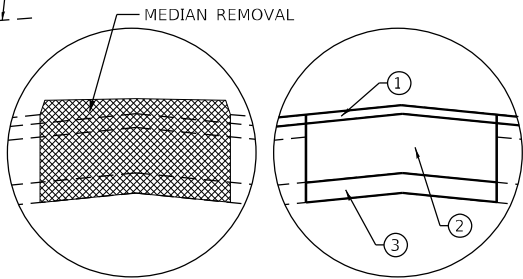
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.
- THE CONTRACTOR SHALL PATCH BEFORE MILLING.



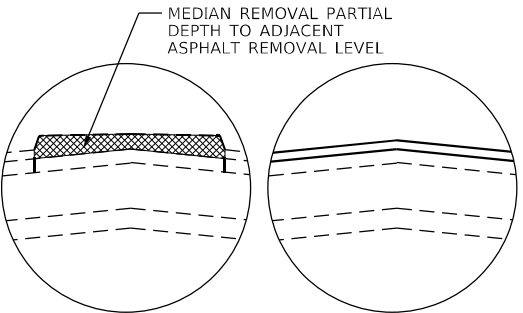
EXISTING TYPICAL CROSS SECTION

STA. 23+25 TO STA. 24+95
STA. 29+63 TO STA. 34+28
STA. 35+48 TO STA. 37+28
STA. 39+37 TO STA. 42+64
STA. 55+42 TO STA. 57+18
STA. 62+36 TO STA. 65+25
STA. 133+45 TO STA. 135+67

BRIDGE OMISSION
STA. 56+12 TO STA. 56+39



DETAIL A
CORRUGATED MEDIAN (FULL DEPTH)
STA. 23+25 TO STA. 24+95



DETAIL B
CORRUGATED MEDIAN (PARTIAL DEPTH)
STA. 29+63 TO STA. 34+28
STA. 35+48 TO STA. 37+28
STA. 39+37 TO STA. 42+64
STA. 55+42 TO STA. 57+18
STA. 62+36 TO STA. 65+25
STA. 133+45 TO STA. 135+67

PROPOSED TYPICAL CROSS SECTION

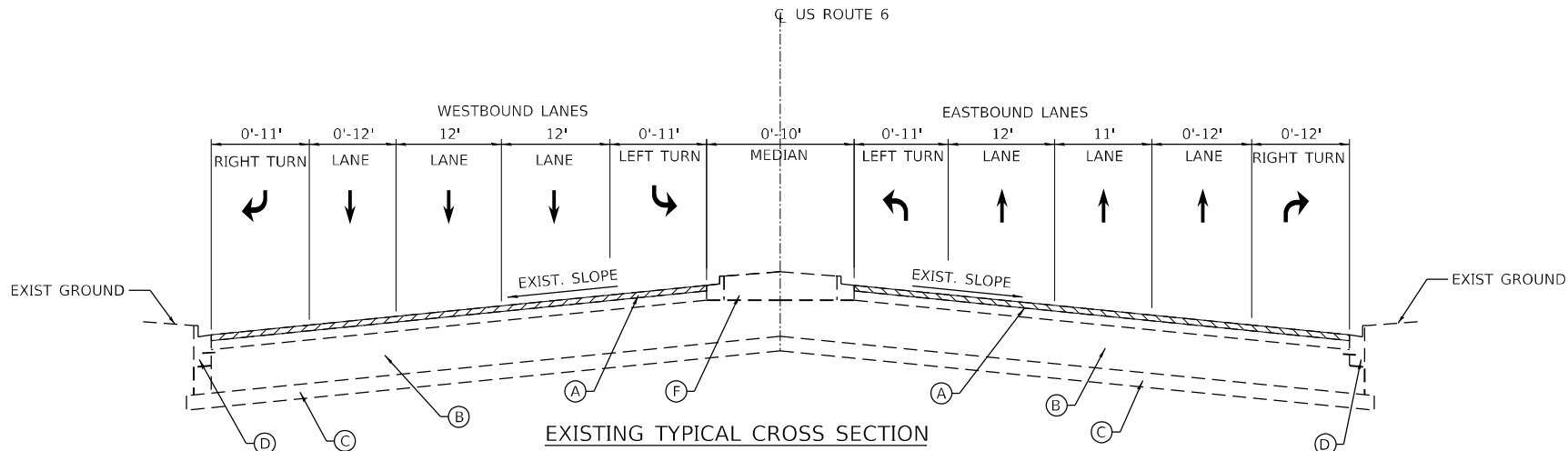
STA. 23+25 TO STA. 24+95
STA. 29+63 TO STA. 34+28
STA. 35+48 TO STA. 37+28
STA. 39+37 TO STA. 42+64
STA. 55+42 TO STA. 57+18
STA. 62+36 TO STA. 65+25
STA. 133+45 TO STA. 135+67

BRIDGE OMISSION
STA. 56+12 TO STA. 56+39

HOT-MIX ASPHALT MIXTURE REQUIRMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT, STONE MATRIX ASPHALT, 9.5 MIX "F", N80, 1-3/4"	3.5% @ 80 GYR	PFP
MEDIAN REPLACEMENT		
POLYMERIZED HOT-MIX ASPHALT, STONE MATRIX ASPHALT, 9.5 MIX "F", N80, 1-3/4"	3.5% @ 80 GYR	PFP
HOT-MIX ASPHALT BASE COURSE, 8-1/4" (BINDER COURSE IL-19)	4.0% @ 90 GYR	QC/QA
PATCHING		
CLASS D PATCHES, (HMA BINDER IL-19-mm)	4.0% @ 70 GYR	QC/QA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0)	4.0% @ 70 GYR	QC/QA
DRIVEWAY RESTORATION		
HOT-MIX ASPHALT SJRFACE COURSE, IL-9.5, MIX "D", N50, 2"	4.0% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER IL-19.0)	4.0% @ 50 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA): QUALITY CONTROL FOR PERFORMANCE (QCP): PAY FOR PERFORMANCE (PFP)		

MIXTURE REQUIREMENT NOTES:

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



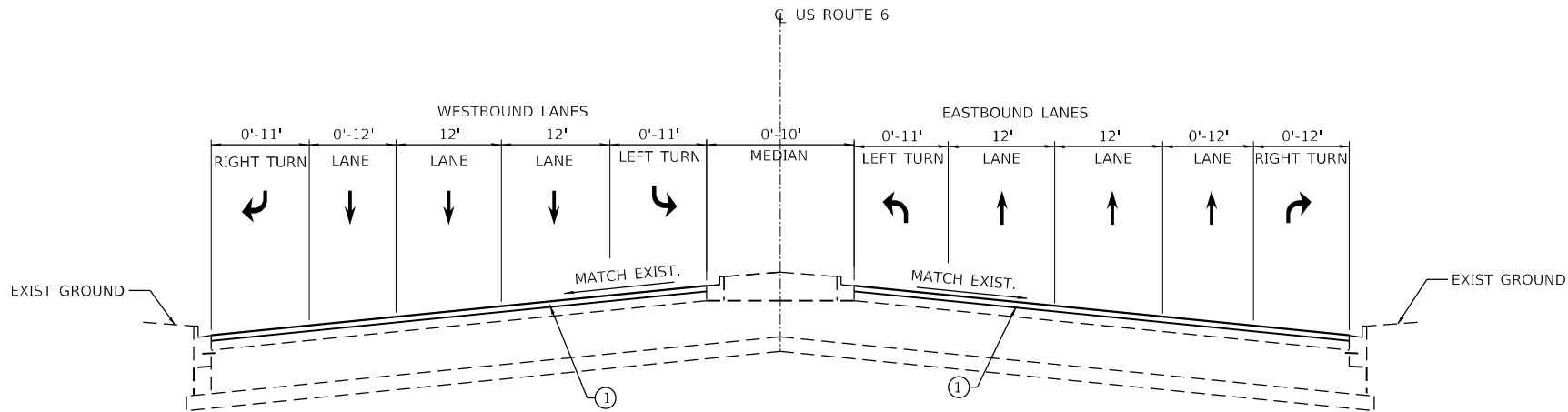
EXISTING TYPICAL CROSS SECTION

STA. 24+95 TO STA. 29+63
STA. 34+28 TO STA. 35+48
STA. 37+28 TO STA. 39+37
STA. 57+18 TO STA. 62+36
STA. 135+67 TO STA. 188+31
STA. 195+48 TO STA. 217+27

RAILROAD OMISSION
STA 34+81 TO STA. 34+99
STA 37+69 TO STA. 38+23

BRIDGE OMISSION
STA 149+70 TO STA. 152+40
STA 166+48 TO STA. 168+08

PAVING OMISSION
STA 188+31 TO STA 195+48



PROPOSED TYPICAL CROSS SECTION

STA. 24+95 TO STA. 29+63
STA. 34+28 TO STA. 35+48
STA. 37+28 TO STA. 39+37
STA. 57+18 TO STA. 62+36
STA. 135+67 TO STA. 188+31
STA. 195+48 TO STA. 217+27

RAILROAD OMISSION
STA 34+81 TO STA. 34+99
STA 37+69 TO STA. 38+23

BRIDGE OMISSION
STA 149+70 TO STA. 152+40
STA 166+48 TO STA. 168+08

LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT 4 1/2"
- (B) EXISTING CONCRETE PAVEMENT 9"
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (E) EXISTING CORRUGATED MEDIAN
- (F) EXISTING BARRIER MEDIAN
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX F, N80, 1-3/4"
- (2) HOT-MIX ASPHALT BINDER COURSE IL-19, N90, 8-1/4"
- (3) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (4) CLASS D PATCHES TYPE, 12 INCH

LEGEND:

1-3/4" HMA SURFACE REMOVAL

NOTES:

- 1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.
- 2. THE CONTRACTOR SHALL PATCH BEFORE MILLING.

MODEL: Default
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INFRASTRUCTURE ENGINEERING <small>INCORPORATED</small> 1 South Wacker Suite 2650 Chicago, IL 60606 <small>P 312.425.9568 F 312.425.9568 www.infrastructure-eng.com</small>	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US-6 (CAROL AVE. TO TORRENCE AVE.)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000' = 1 in.	DRAWN - IMU	REVISED -				351	FAP 0351 22 RS	COOK	73	10
	CHECKED - ACL	DATE - 08/22/2023	REVISED -		CONTRACT NO. 62T57						
					SCALE:		STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

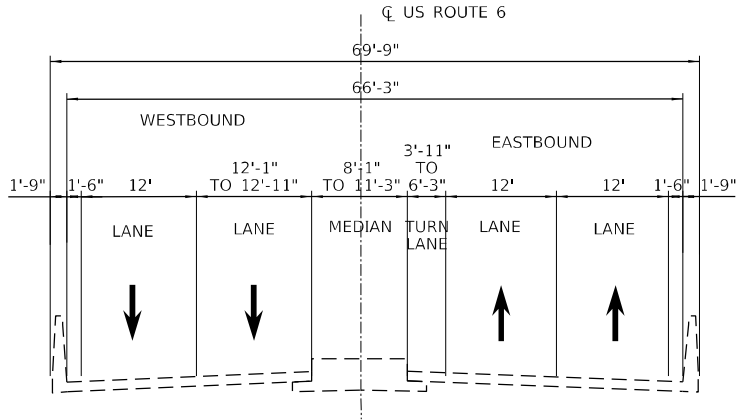
MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1.ALL MAINTENANCE OF TRAFFIC (MOT) LANE CLOSURES CAN BE COMPLETED WITH IDOT HIGHWAY STANDARDS (US ROUTE 6). THE MOT PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAYCONTRACT'S MAINTENANCE OF TRAFFIC, ALONG WITH ANY OTHER MARKERS THAT WERE MISSING REFLECTORS PRIOR TO REOPENING THE LANES TO TRAFFIC.
- 2.THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 3.THE US ROUTE 6 WORK ZONE SPEED LIMIT SHALL BE 35 MPH.
- 4.EXISTING REFLECTORS IN RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH STAGED TRAFFIC PATTERNS SHALL BE REMOVED UNDER THIS CONTRACT. THESE SHALL BE REPLACED WITHIN THE LIMITS OF THIS IMPROVE OR MODIFY THE MOT PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE MOT PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

US ROUTE 6 CONSTRUCTION STAGING

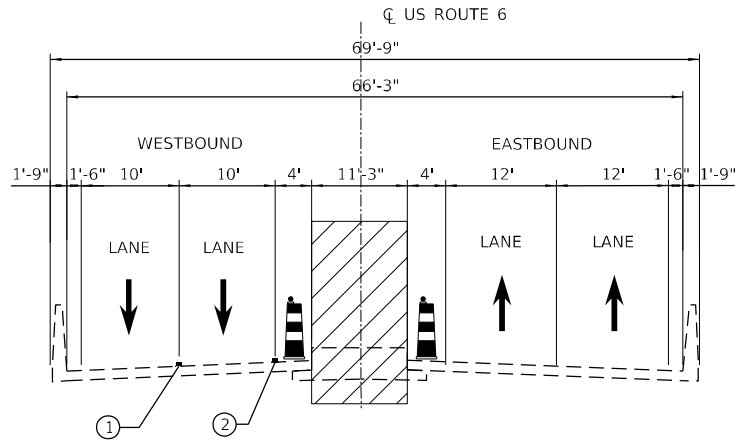
MAINTENANCE OF TRAFFIC - STAGE 1
CONSTRUCTION:
1.COMPLETE MEDIAN REMOVAL ON THE BRIDGE

- MAINTENANCE OF TRAFFIC:
1.CLOSE THE EASTBOUND LEFT TURN LANE TAPER TO TRAFFIC ON THE BRIDGE
2.REDUCE THE LANE WIDTHS OF WESTBOUND TRAFFIC AND SHIFT TO THE NORTH SIDE OF THE BRIDGE



EXISTING TYPICAL CROSS SECTION

ON SN 016-0386



STAGE 1 CONSTRUCTION

ON SN 016-0386

MOT TYPICAL LEGEND:

- ① TEMPORARY PAVEMENT MARKING TAPE, TYPE IV (WHITE)
- ② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV (SINGLE YELLOW)
- WORK AREA
- DIRECTION OF TRAVEL
- TEMPORARY PAVEMENT MARKING
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE

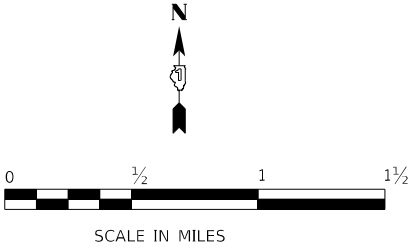
WORK ZONE SPEED LIMIT:

	EXISTING POSTED SPEED	PROPOSED POSTED SPEED
STAGE 1	35 MPH	35 MPH

MODEL Path: h:\p\2020\2020-4094-00 IDOT Various Phase 2 (PTE) 106 Item 16\WVO 38 62157\OGN\CADD Sheets\DI62157-SHT-MOT-01.dgn

 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9568 F 312.425.9568 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - DBE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLANS GENERAL NOTES AND TYPICAL SECTIONS	SCALE:	STA.	TO STA.	F.A.P. RTE. 351	SECTION FAP 0351 22 RS	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 11
	PLOT SCALE = 20,0000' = 1 in.	CHECKED - ACL	REVISED -						CONTRACT NO. 62T57				
	DATE - 08/22/2023								ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: R:\020-4094-00_IDOT_Various Phase 2 (PTE)_106 Item 16\WVO_38_6215\DMC\CADD_Sheets\162151-SHT-401-02.dgn



Ⓐ

MAX WIDTH

8' - 6"

0.6 MILES AHEAD

W12-I103-4848

Ⓑ

◀ 8'-6" ▶

←

W12-I102(O)-48

M6-1L(O)-2115

Ⓒ

◀ 8'-6" ▶

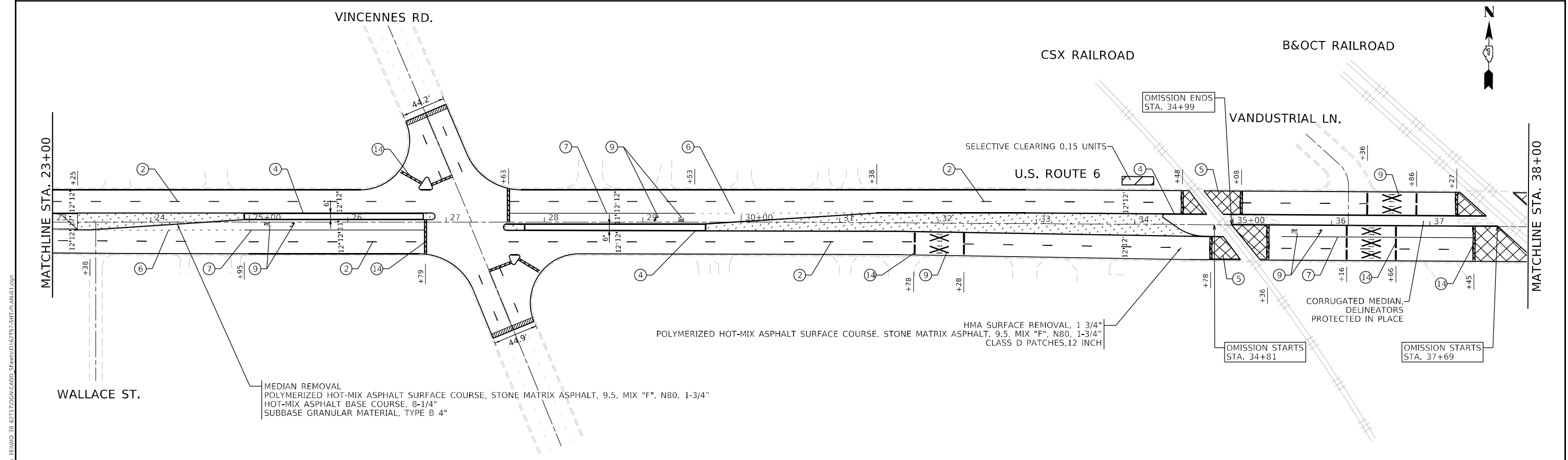
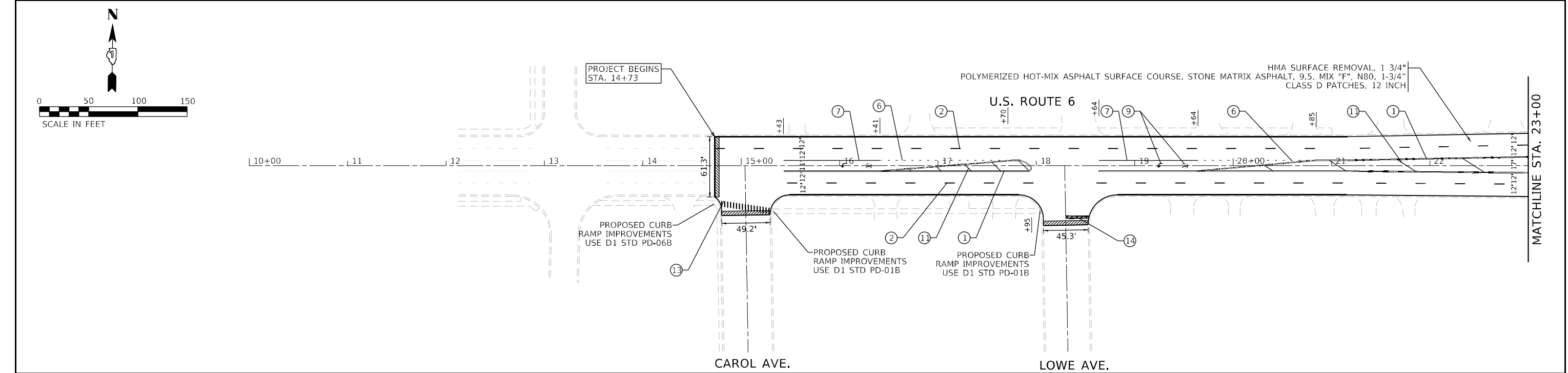
→

W12-I102(O)-48

M6-1R(O)-2115

- NOTES**
1. PLACE SIGNS 500 FEET BEFORE THE INTERSECTIONS OR 300 FEET THE RAMP GORES / EXITS.
 2. ENGINEER MAY ADJUST THE SIGN LOCATION BASED ON FIELD CONDITIONS.
 3. THE WIDTH RESTRICTION SIGNING IS REQUIRED WHEN THE STAGED CONSTRUCTION IS IN EFFECT.

 <div>INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9598 www.infrastructure-eng.com</div>	USER NAME = ALane		DESIGNED - DBE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLANS WIDTH RESTRICTION SIGNING DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DBE		CHECKED - ACL	REVISED -				351	FAP 0351 22 RS	COOK	73	12
	PLOT SCALE = 4000,0000 ' / in.		DATE - 08/22/2023					CONTRACT NO. 62T57				
								ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① LINE 2 @ 4" SOLID YELLOW, 11" C-C - CENTERLINE (TYP)
- ② LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES
- ③ LINE 4", SOLID/SKIP-DASH, YELLOW (10' LINE - 30' SPACE) - PASSING LANE (TYP)
- ④ LINE 4", SOLID, YELLOW - EDGE LINE (TYP)
- ⑤ LINE 4", SOLID WHITE - EDGE LINE (TYP)
- ⑥ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)
- ⑦ LINE 6", SOLID WHITE - TURN LANE MARKING (TYP)
- ⑧ LINE 6", SKIP-DASH, WHITE (3' LINE - 9' SPACE) - DOTTED LINES (TYP)
- ⑨ LETTERS & SYMBOLS, SOLID, WHITE - (TYP)
- ⑩ LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP)
- ⑪ LINE 12", SOLID, YELLOW - PAINTED MEDIANS DIAGONALS (TYP) (SEE DISTRICT DETAIL TC-13 FOR SPACING)

- ⑫ LINE 12", SOLID, WHITE - CHANNELIZATION LINES 45° (TYP) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
- ⑭ LINE 24", SOLID, WHITE - STOP LINES (TYP)
- ⑮ LINE 2 @ 4" SOLID WHITE, 11" C-C (TYP)

LEGEND



HMA SURFACE REMOVAL BUTT JOINT, 4.5'



MEDIAN REMOVAL PARTIAL DEPTH TO ADJACENT ASPHALT REMOVAL LEVEL

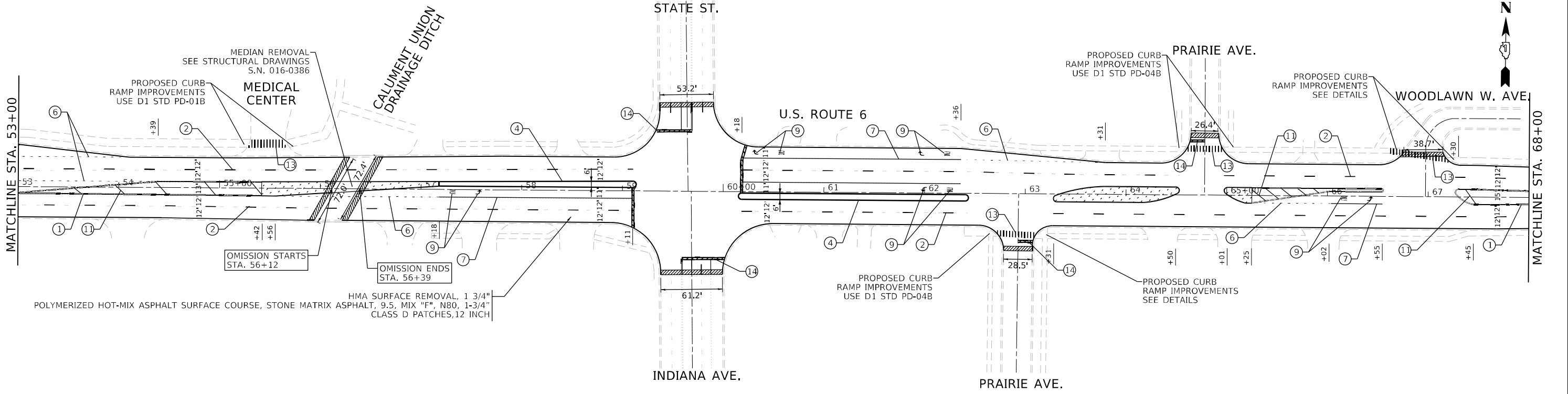
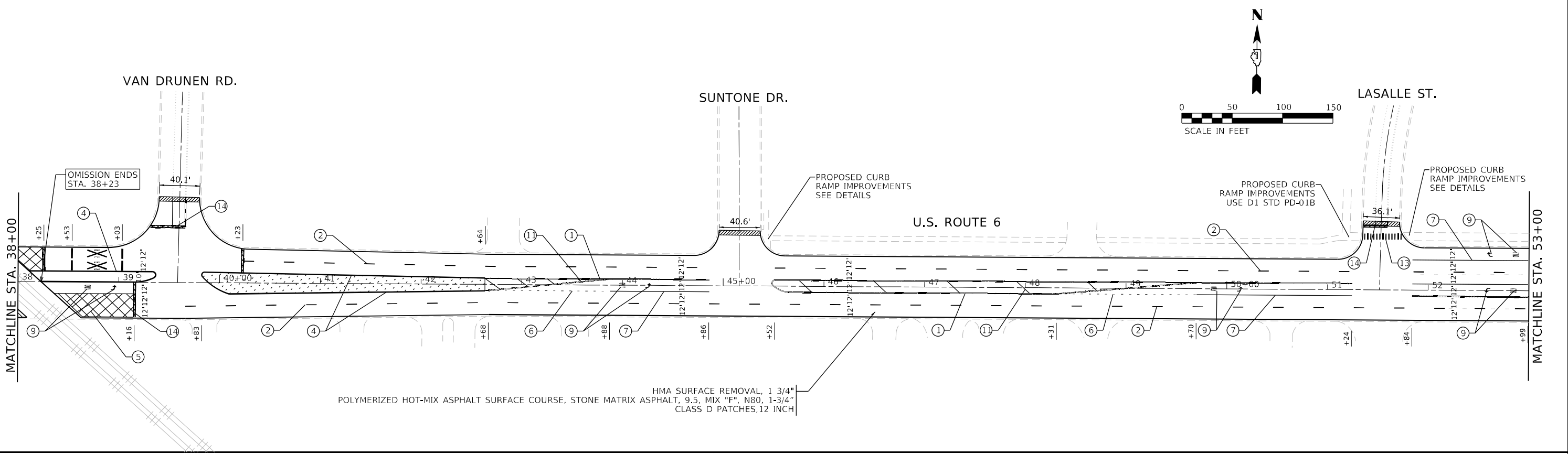
NOTES:

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4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

MODEL: Default
FILE NAME: RUP-20-20-4094-00_IDOT_Various Phase 2 (TBE)_106 Item 161WVO_38 621570GNCADD_SheetsD162157-SHT-FS-A1001.dgn

INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS US-6 (CAROL AVE. TO TORRENCE AVE.)	F.A.P. RTE. 351	SECTION FAP 0351 22 RS	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 14
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ACL	REVISED -			CONTRACT NO. 62T57				
	DATE - 08/22/2023					SCALE: 1" = 50'	STA.	TO STA.	ILLINOIS	FED. AID PROJECT



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PLOT SCALE = 100,0000 ' / in.



PAVEMENT MARKING LEGEND

- | | |
|--|--|
| ① LINE 2 @ 4" SOLID YELLOW, 11" C-C - CENTERLINE (TYP) | ⑥ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP) |
| ② LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES | ⑦ LINE 6", SOLID WHITE - TURN LANE MARKING (TYP) |
| ③ LINE 4", SOLID/SKIP-DASH, YELLOW (10' LINE - 30' SPACE) - PASSING LANE (TYP) | ⑧ LINE 6", SKIP-DASH, WHITE (3' LINE - 9' SPACE) - DOTTED LINES (TYP) |
| ④ LINE 4", SOLID, YELLOW - EDGE LINE (TYP) | ⑨ LETTERS & SYMBOLS, SOLID, WHITE - (TYP) |
| ⑤ LINE 4", SOLID WHITE - EDGE LINE (TYP) | ⑩ LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP) |
| | ⑪ LINE 12", SOLID, YELLOW - PAINTED MEDIANS DIAGONALS (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING) |

LEGEND

- | | |
|--|--|
|  HMA SURFACE REMOVAL BUTT JOINT, 4.5' |  MEDIAN REMOVAL PARTIAL DEPTH TO ADJACENT ASPHALT REMOVAL LEVEL |
|--|--|

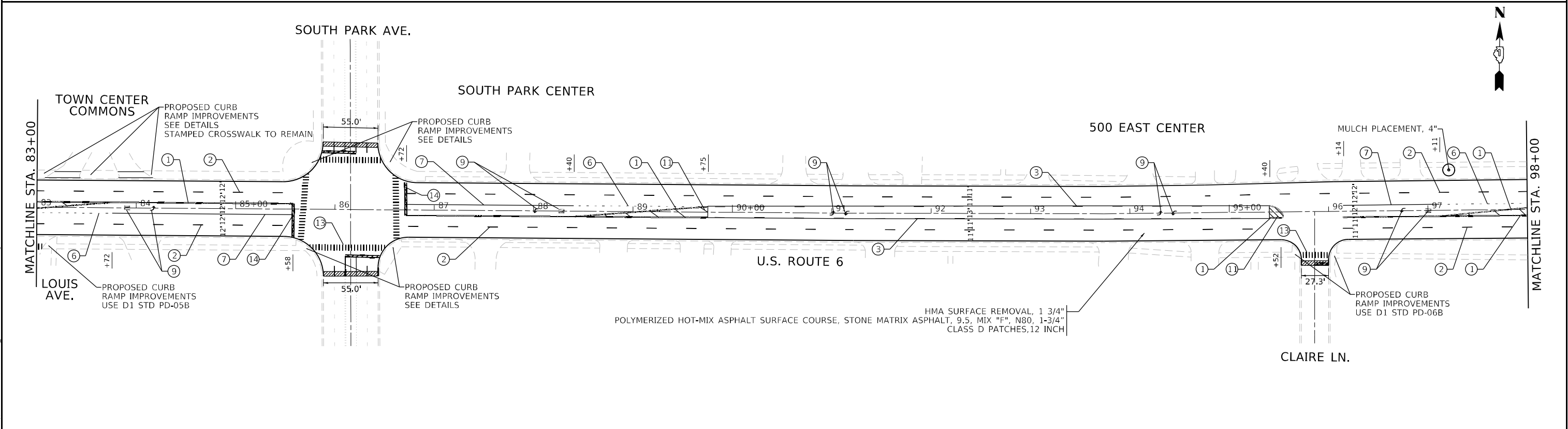
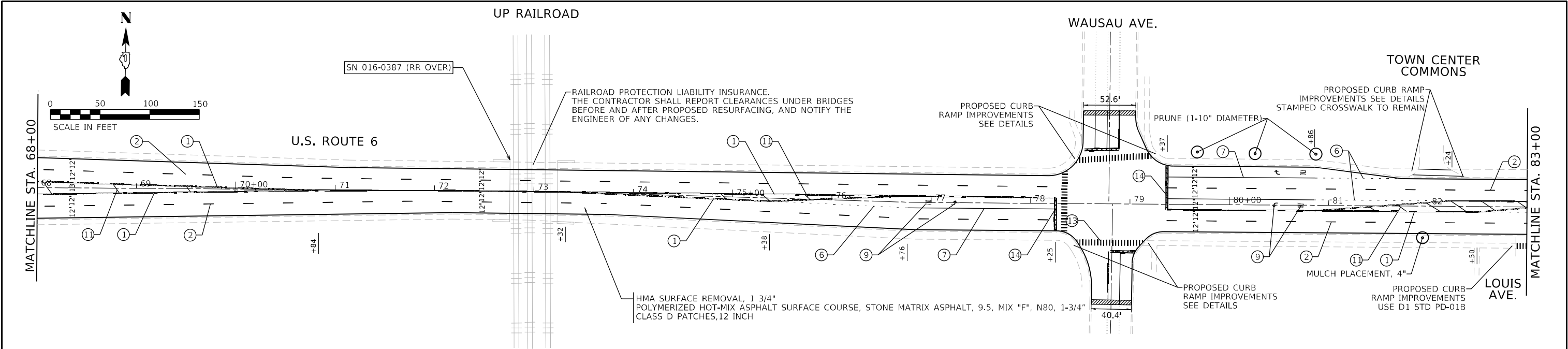
- | |
|--|
| ⑫ LINE 12", SOLID, WHITE - CHANNELIZATION LINES 45° (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING) |
| ⑬ LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP) |
| ⑭ LINE 24", SOLID, WHITE - STOP LINES (TYP) |
| ⑮ LINE 2 @ 4" SOLID WHITE, 11" C-C (TYP) |

NOTES:

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
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 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS US-6 (CAROL AVE. TO TORRENCE AVE.)	F.A.P. RTE. 351	SECTION FAP 0351 22 RS	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 15
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ACL	REVISED -			CONTRACT NO. 62T57				
	DATE - 08/22/2023					SCALE: 1" = 50'	STA.	TO STA.	ILLINOIS	FED. AID PROJECT

MODEL: Default
FILE NAME: R:\03-20-20-4094-00_IDOT_Various Phase 2 (P)B_106 Item 16\WVO_38_62157\OGN\CADD_Sheets\162157-SHIFTS-ALU03.dgn



PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| ① LINE 2 @ 4" SOLID YELLOW, 11" C-C - CENTERLINE (TYP) | ⑥ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP) | ⑫ LINE 12", SOLID, WHITE - CHANNELIZATION LINES 45° (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING) |
| ② LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES | ⑦ LINE 6", SOLID WHITE - TURN LANE MARKING (TYP) | ⑬ LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP) |
| ③ LINE 4", SOLID/SKIP-DASH, YELLOW (10' LINE - 30' SPACE) - PASSING LANE (TYP) | ⑧ LINE 6", SKIP-DASH, WHITE (3' LINE - 9' SPACE) - DOTTED LINES (TYP) | ⑭ LINE 24", SOLID, WHITE - STOP LINES (TYP) |
| ④ LINE 4", SOLID, YELLOW - EDGE LINE (TYP) | ⑨ LETTERS & SYMBOLS, SOLID, WHITE - (TYP) | ⑮ LINE 2 @ 4" SOLID WHITE, 11" C-C (TYP) |
| ⑤ LINE 4", SOLID WHITE - EDGE LINE (TYP) | ⑩ LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP) | |
| | ⑪ LINE 12", SOLID, YELLOW - PAINTED MEDIANS DIAGONALS (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING) | |

LEGEND



HMA SURFACE REMOVAL BUTT JOINT, 4.5'



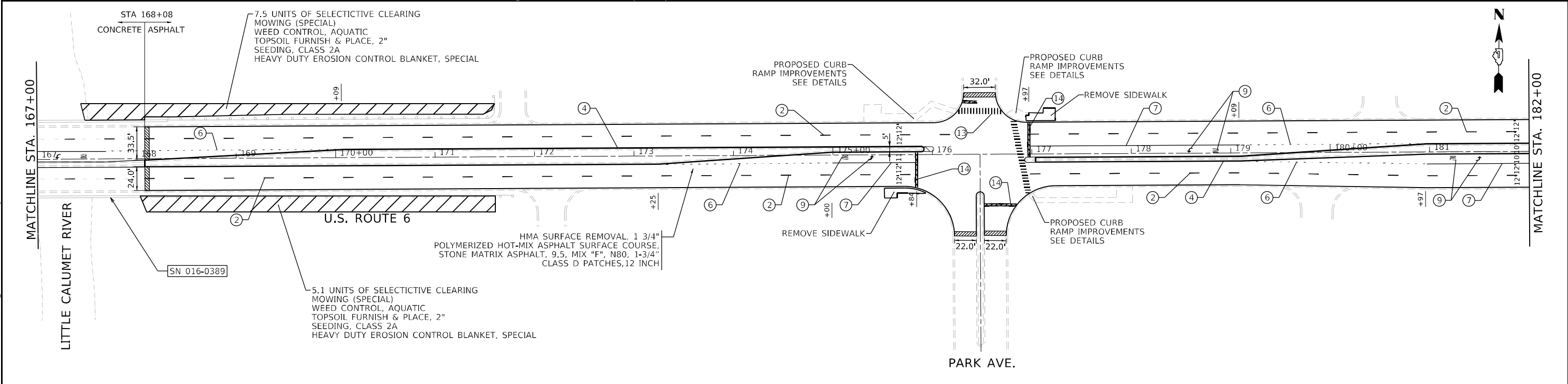
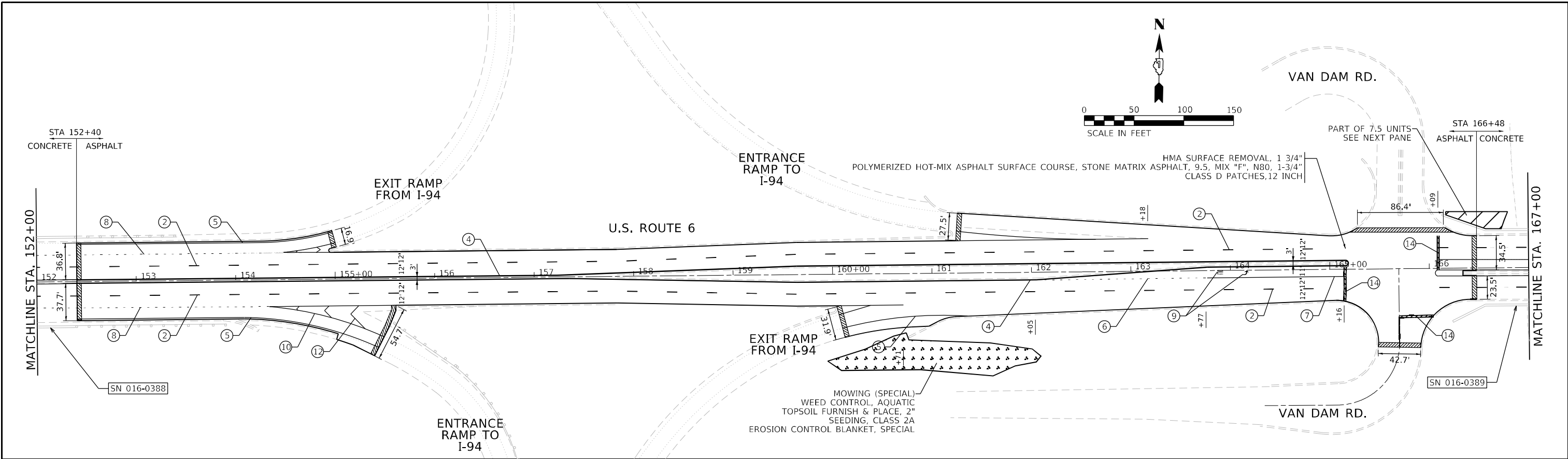
MEDIAN REMOVAL PARTIAL DEPTH TO ADJACENT ASPHALT REMOVAL LEVEL

NOTES:

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<div><div><div>INFRASTRUCTURE</div><div>ENGINEERING</div><div>INCORPORATED</div><div>1 South Wacker Suite 2650 Chicago, IL 60606</div><div>P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com</div></div></div>	USER NAME = ALane	DESIGNED - IMU	REVISED -	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>	ROADWAY AND PAVEMENT MARKING PLANS				F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	PLOT SCALE = 100,0000 ' / in.	DRAWN - IMU	REVISED -		US-6 (CAROL AVE. TO TORRENCE AVE.)				351	FAP 0351 22 RS	COOK	73	16
		CHECKED - ACL	REVISED -						CONTRACT NO. 62T57				
	DATE - 08/22/2023				SCALE: 1" = 50'				STA.		TO STA.		ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: R:\020-20-4094-00_IDOT_Various Phase 2 (P)B_106 Item 161\W0_38_62157\OGN\CADD_Sheets\162157-SH1-F3-A1\06.dgn
P 312.425.9540 | F 312.425.9594 | www.infrastructure-eng.com



PAVEMENT MARKING LEGEND

- ① LINE 2 @ 4" SOLID YELLOW, 11" C-C - CENTERLINE (TYP)

② LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES

③ LINE 4", SOLID/SKIP-DASH, YELLOW (10' LINE - 30' SPACE) - PASSING LANE (TYP)

④ LINE 4", SOLID, YELLOW - EDGE LINE (TYP)

⑤ LINE 4", SOLID WHITE - EDGE LINE (TYP)
- ⑥ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)

⑦ LINE 6", SOLID WHITE - TURN LANE MARKING (TYP)

⑧ LINE 6", SKIP-DASH, WHITE (3' LINE - 9' SPACE) - DOTTED LINES (TYP)

⑨ LETTERS & SYMBOLS, SOLID, WHITE - (TYP)

⑩ LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP)



⑪ LINE 12", SOLID, YELLOW - PAINTED MEDIANS DIAGONALS (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑫ LINE 12", SOLID, WHITE - CHANNELIZATION LINES 45° (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING)

⑬ LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)

⑭ LINE 24", SOLID, WHITE - STOP LINES (TYP)

⑮ LINE 2 @ 4" SOLID WHITE, 11" C-C (TYP)

LEGEND

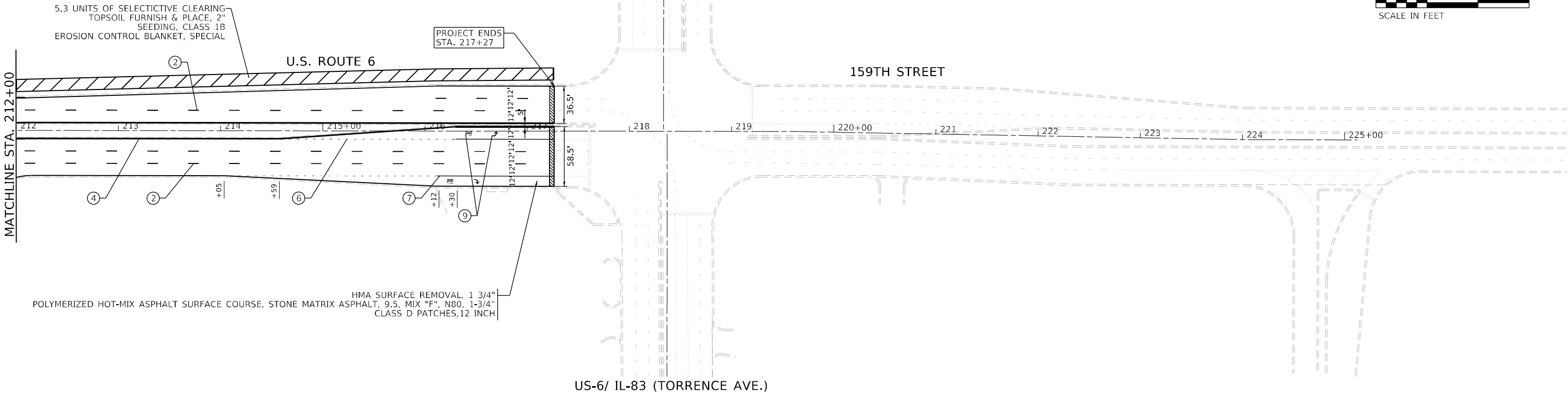
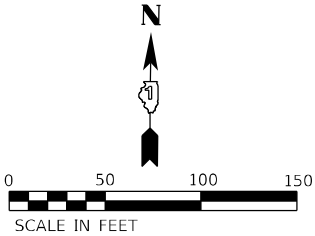
-  HMA SURFACE REMOVAL BUTT JOINT, 4.5'
-  MEDIAN REMOVAL PARTIAL DEPTH TO ADJACENT ASPHALT REMOVAL LEVEL

NOTES:

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 INFRASTRUCTURE ENGINEERING 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9540 F 312.425.9594 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS US-6 (CAROL AVE. TO TORRENCE AVE.)	F.A.P. RTE. 351	SECTION FAP 0351 22 RS	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 19
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ACL	REVISED -			CONTRACT NO. 62T57				
	DATE - 08/22/2023					SCALE: 1" = 50'	STA.	TO STA.	ILLINOIS	FED. AID PROJECT

IL-83 (TORRENCE AVE.)



US-6/ IL-83 (TORRENCE AVE.)

PAVEMENT MARKING LEGEND

- ① LINE 2 @ 4" SOLID YELLOW, 11" C-C - CENTERLINE (TYP)

② LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES

③ LINE 4", SOLID/SKIP-DASH, YELLOW (10' LINE - 30' SPACE) - PASSING LANE (TYP)

④ LINE 4", SOLID, YELLOW - EDGE LINE (TYP)

⑤ LINE 4", SOLID WHITE - EDGE LINE (TYP)
- ⑥ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)

⑦ LINE 6", SOLID WHITE - TURN LANE MARKING (TYP)

⑧ LINE 6", SKIP-DASH, WHITE (3' LINE - 9' SPACE) - DOTTED LINES (TYP)

⑨ LETTERS & SYMBOLS, SOLID, WHITE - (TYP)

⑩ LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP)

⑪ LINE 12", SOLID, YELLOW - PAINTED MEDIANS DIAGONALS (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING)

LEGEND

- HMA SURFACE REMOVAL BUTT JOINT, 4.5'
- MEDIAN REMOVAL PARTIAL DEPTH TO ADJACENT ASPHALT REMOVAL LEVEL

- ⑫ LINE 12", SOLID, WHITE - CHANNELIZATION LINES 45° (TYP)
(SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
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- ⑮ LINE 2 @ 4" SOLID WHITE, 11" C-C (TYP)

NOTES:

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MODEL: Default
FILE NAME: R:\0351\0351-00\0351-00\DOT Various Phase 2 (TBE) 106 Item 16\WVO 38 62157\OGN\CADD_Sheets\0162157-SHT-5-A\08.dgn

**INFRASTRUCTURE
ENGINEERING** INCORPORATED

1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9568 | F 312.425.9568 | www.infrastructure-eng.com

USER NAME	= ALane
DESIGNED	- IMU
DRAWN	- IMU
PLOT SCALE	= 100,0000 ' / in.
CHECKED	- ACL
DATE	- 08/22/2023

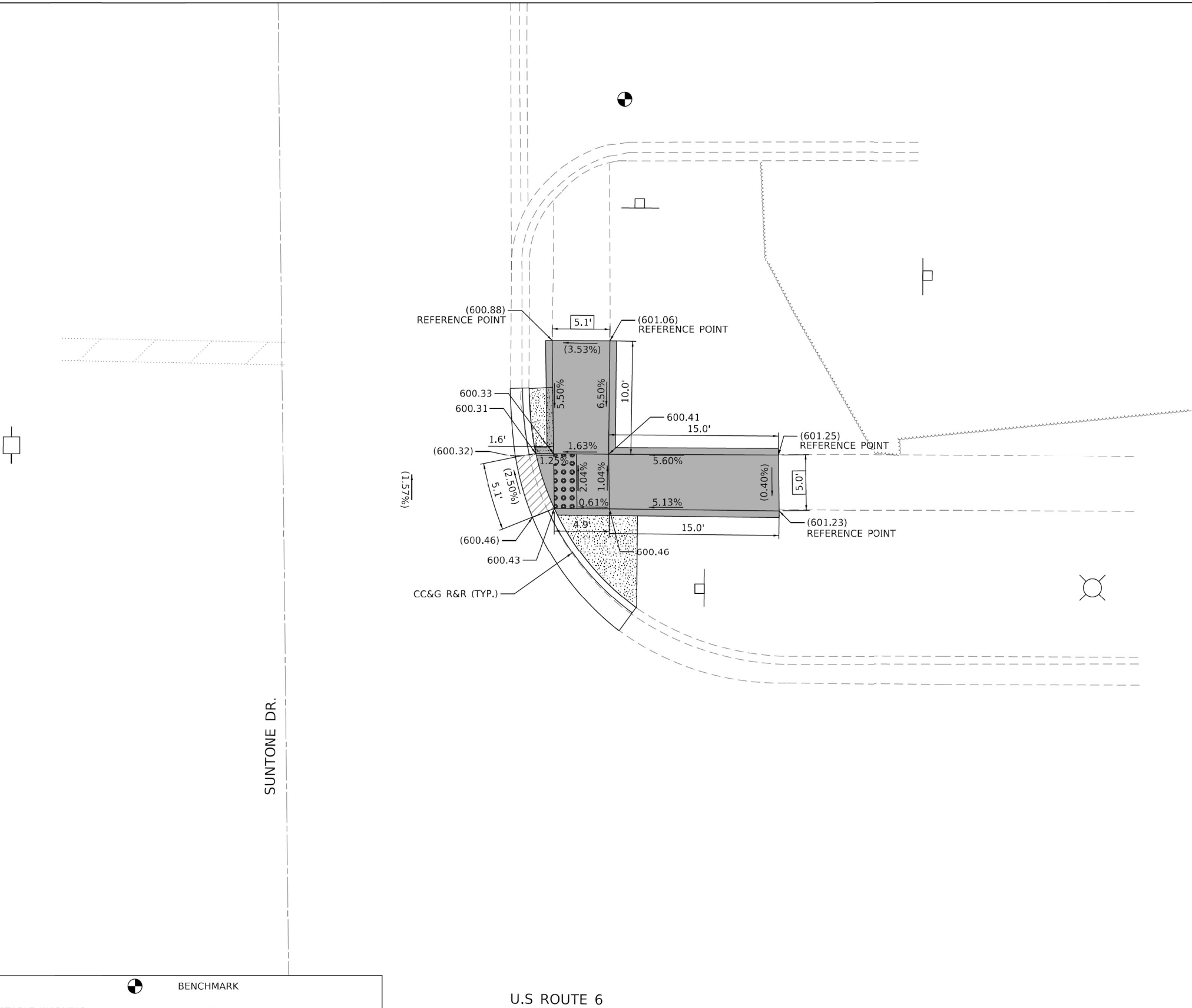
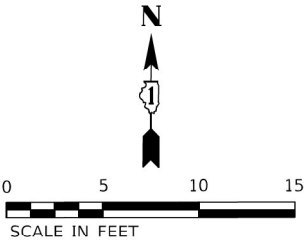
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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
US-6 (CAROL AVE. TO TORRENCE AVE.)

SCALE: 1" = 50' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	FAP 0351 22 RS	COOK	73	21
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

- PROPOSED DETECTABLE WARNING
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- PROPOSED PCC SIDEWALK
- XXX.XX'
- BENCHMARK
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B
- REMOVE AND REINSTALL BRICK PAVER
- () EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #1002, ELEV. 602.11'

LOCATION: NE CORNER OF U.S. ROUTE 6 AT SUNTONE DR.

BENCHMARK: NE BOLT FRONT OF WENDY'S AT SUTONE DR

OSEH inc.

480 S CARLETON AVE
SUITE 200
NORWICH, IL 61957
WWW.OSEHINC.COM

USER NAME = SravanMariganti

PLOT SCALE = 10.0000' / in.

PLOT DATE = 8/24/2023

DESIGNED - KLN

DRAWN - KLN

CHECKED - MM

DATE -

REVISED -

REVISED -

REVISED -

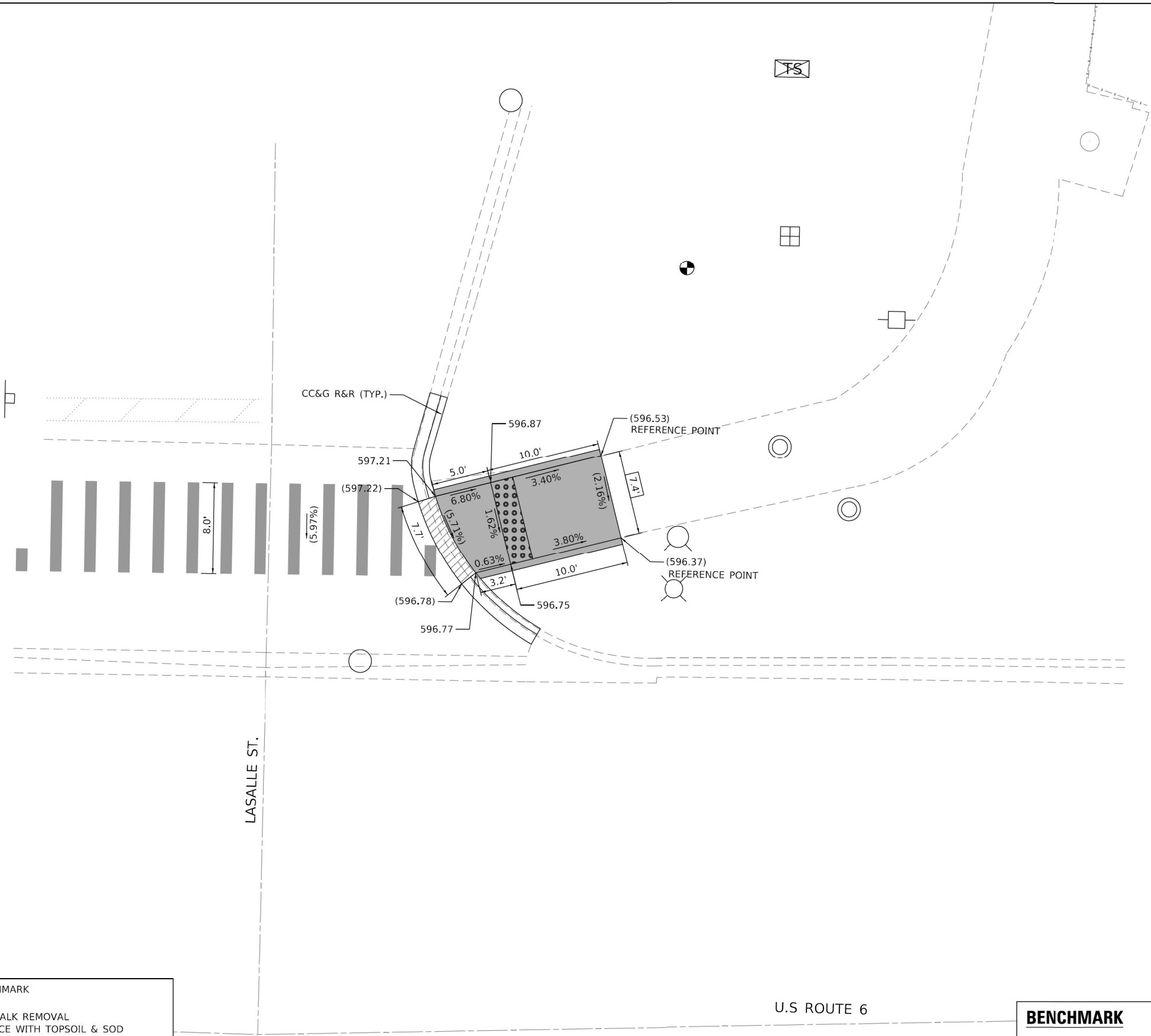
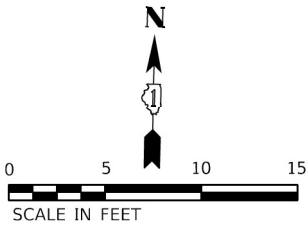
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND SUNTONE DR.
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-RS	COOK	73	22
CONTRACT NO. 62T57				
		ILLINOIS	FED. AID PROJECT	



LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #1176, ELEV. 596.90'

LOCATION: NE CORNER OF U.S. ROUTE 6 AND COMMERCIAL ENTRANCE

BENCHMARK: NE BOLT AT NE CORNER OF THE COMMERCIAL ENTRANCE

OSEH inc.

460 S. CARLETON AVE
SUITE 202
WILMINGTON, IL 60187
WWW.OSEHINC.COM

USER NAME = SravanMariganti	DESIGNED - KLN	REVISED -
	DRAWN - KLN	REVISED -
PLOT SCALE = 10,0000 ' / in.	CHECKED - MM	REVISED -
PLOT DATE = 8/24/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

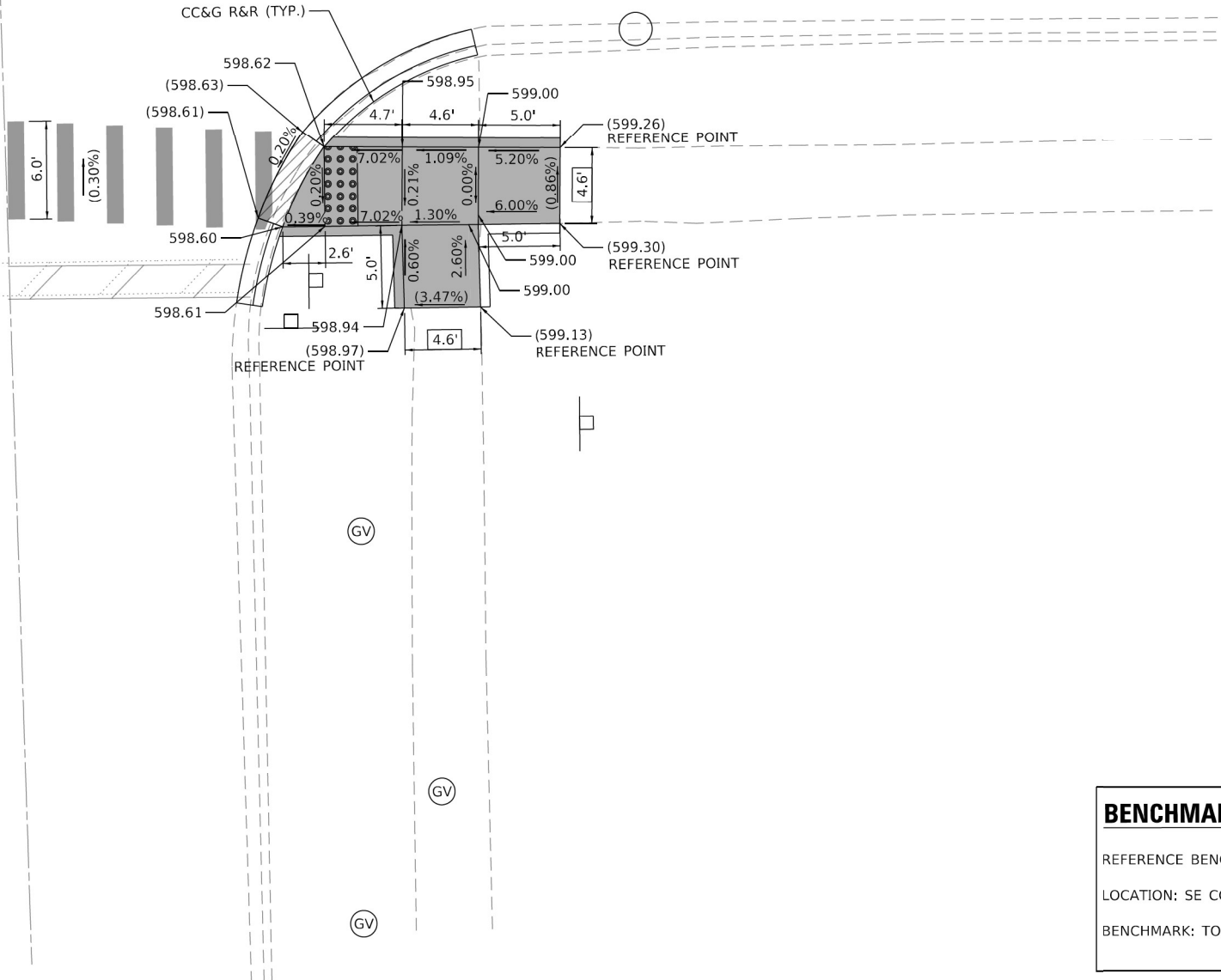
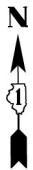
US ROUTE 6 AND LASALLE ST.
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	23
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

U.S ROUTE 6

PRAIRIE AVE.



LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #1336, ELEV. 600.84'
LOCATION: SE CORNER OF U.S. ROUTE 6 AND PRAIRIE AVE
BENCHMARK: TOP NE BOLT AT SW CORNER OF PRAIRIE AVE

OSEH inc.

4615 S CARLETON AVE
SUITE 202
WILMINGTON, IL 60481
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / 1" =
PLOT DATE = 8/24/2023

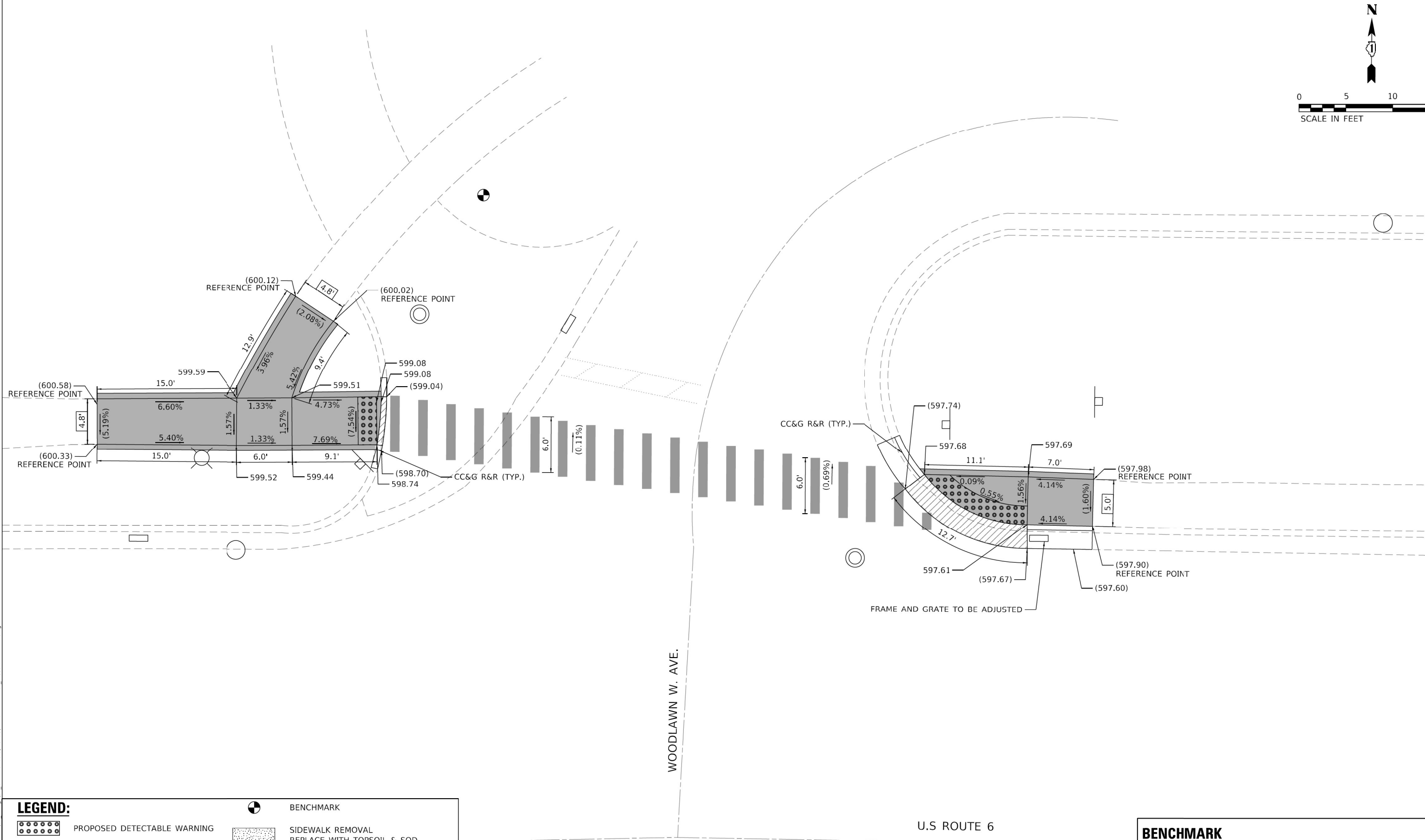
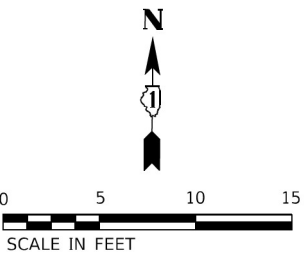
DESIGNED - KLN
DRAWN - KLN
CHECKED - MM
DATE -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND PRAIRIE AVE.
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	24
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

PROPOSED DETECTABLE WARNING

DEPRESSED CURB AND GUTTER

PAVEMENT PATCHING

PROPOSED PCC SIDEWALK

XXX.XX'

BENCHMARK

SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD

PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B

REMOVE AND REINSTALL BRICK PAVER

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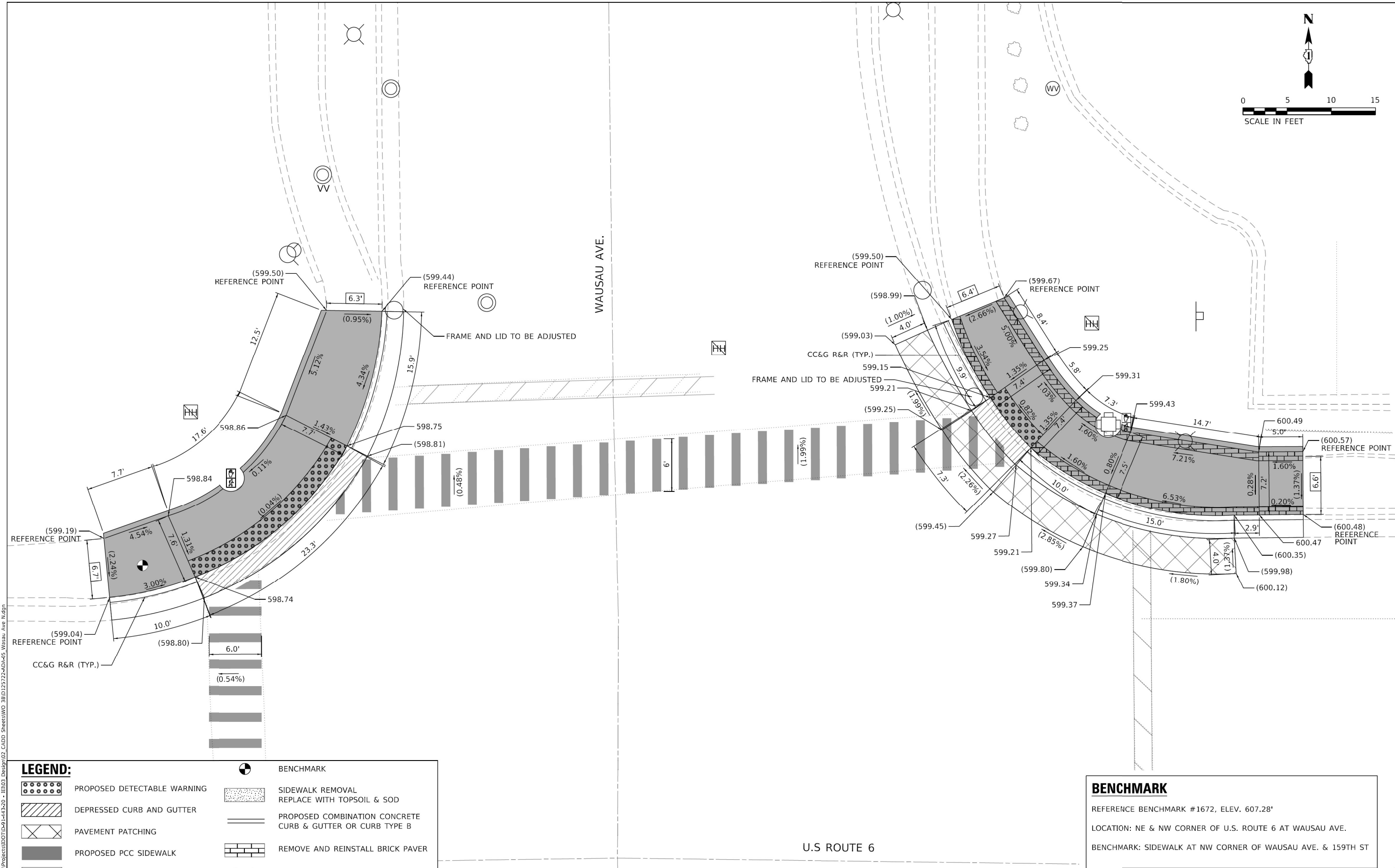
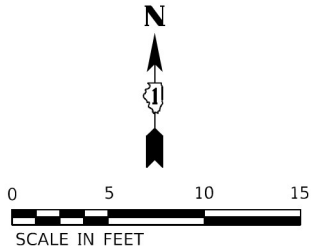
EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #1550 ELEV. 600.69'

LOCATION: NW AND NW CORNER OF U.S. ROUTE 6 AND WOODLAWN W. AVE.

BENCHMARK: NE BOLT AT NW CORNER OF WOODLAWN AVE.



LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK #1672, ELEV. 607.28'

LOCATION: NE & NW CORNER OF U.S. ROUTE 6 AT WAUSAU AVE.

BENCHMARK: SIDEWALK AT NW CORNER OF WAUSAU AVE. & 159TH ST

OSEH inc.

460 S CARLETON AVE
SUITE 200
WILMINGTON, IL 60457
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000' / in.
PLOT DATE = 8/24/2023

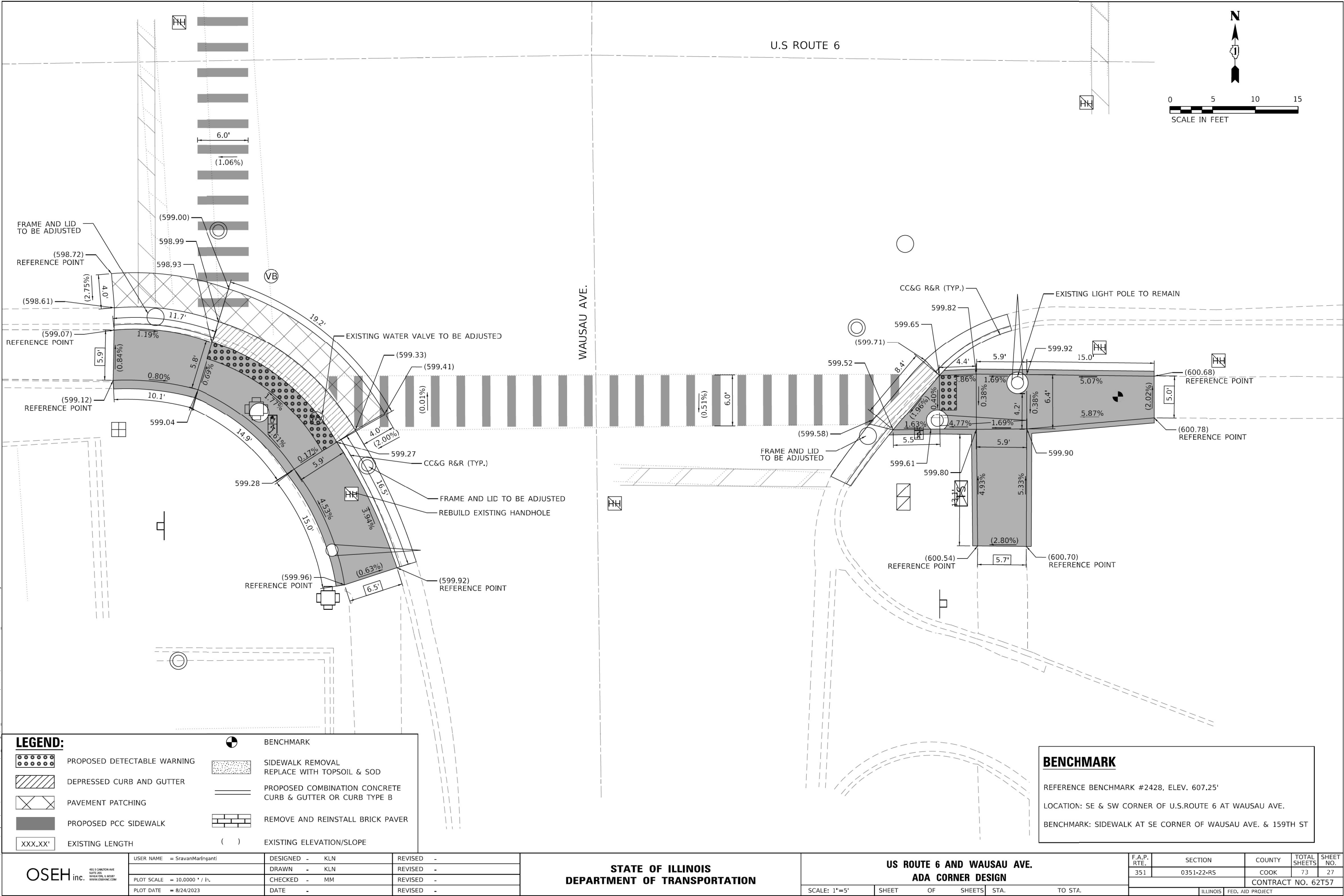
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CHECKED - MM	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND WAUSAU AVE.
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	26
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



MODEL Default
FILE NAME: Z:\Shared\Projects\DOT\DOT-44320 - IEI03_Design\02_CADD_Sheets\WO_38\DOT25222-ADA-06_Wausau Ave 5.dgn

LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK #2428, ELEV. 607.25'
LOCATION: SE & SW CORNER OF U.S.ROUTE 6 AT WAUSAU AVE.
BENCHMARK: SIDEWALK AT SE CORNER OF WAUSAU AVE. & 159TH ST

OSEH inc.

460 S CARLETON AVE
MATTI, ILL
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

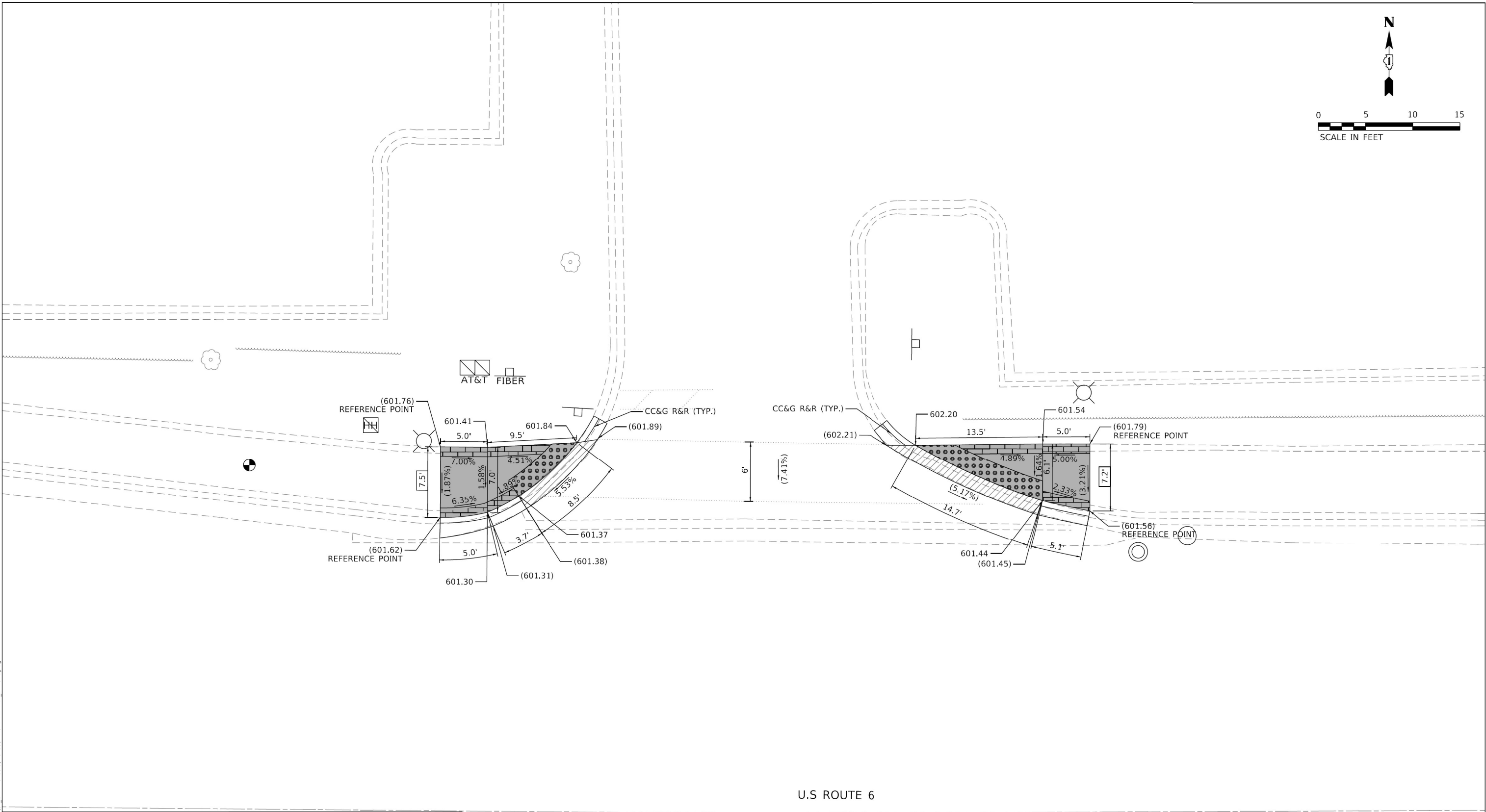
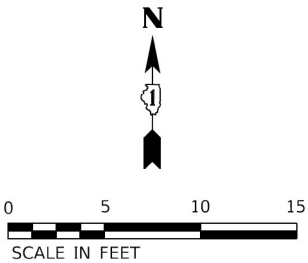
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DRAWN - KLN	REVISED -
CHECKED - MM	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND WAUSAU AVE.
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	27
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



U.S ROUTE 6

LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE CONTROL POINT #11
LOCATION: NW CORNER OF U.S. ROUTE 6 AT PRIVATE ENTRANCE
BENCHMARK: SIDEWALK FRONT OF PANERA BREAD AT 159TH ST

OSEH inc.

460 S CARLETON AVE
SUITE 200
WILMINGTON, IL 60487
WWW.OSEHINC.COM

USER NAME	= SravanMariganti
PLOT SCALE	= 10,0000 ' / in.
PLOT DATE	= 8/24/2023

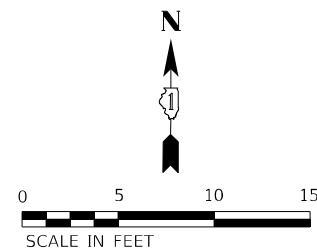
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DRAWN -	KLN	REVISED -	
CHECKED -	MM	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6
ADA CORNER DESIGN

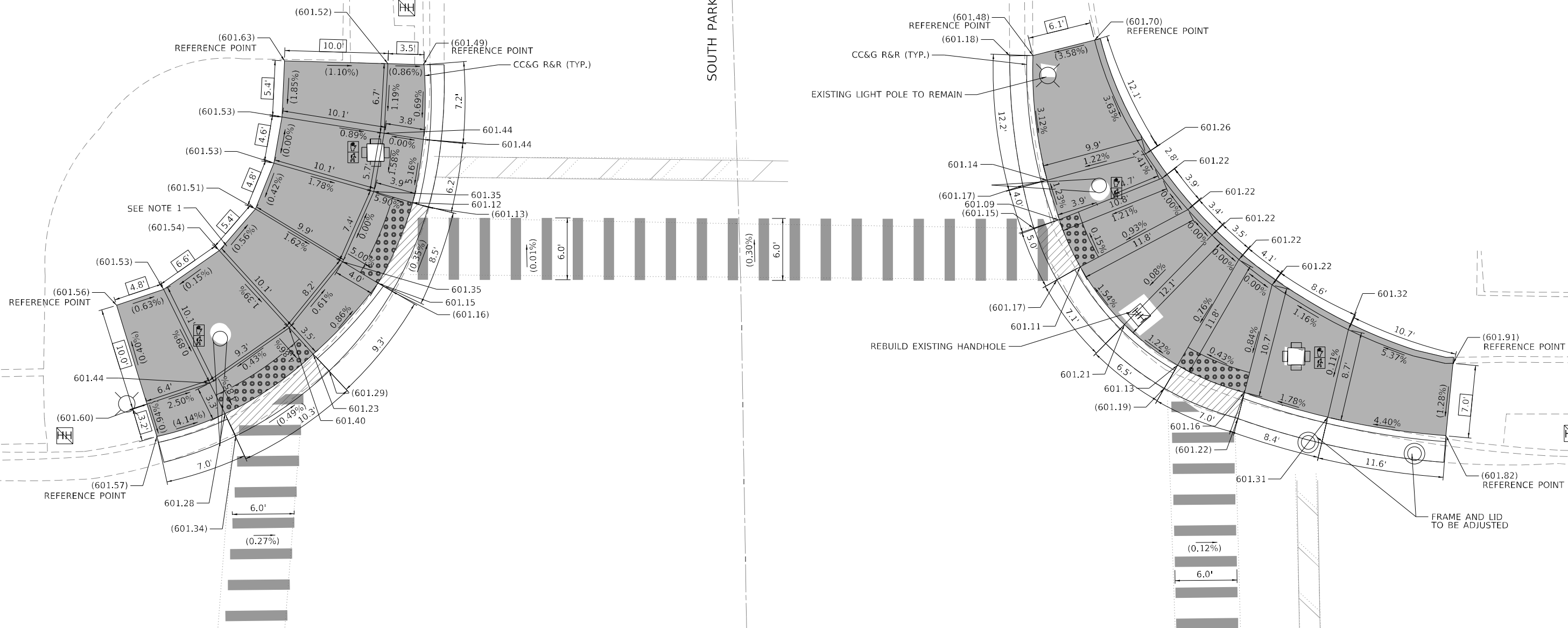
SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	28
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



NOTE:

1) CONTRACTOR SHALL COORDINATE THE REMOVAL AND RETURNING OF BRICK PAVERS FROM NW CORNER TO VILLAGE OF SOUTH HOLLAND. REFER TO CONTRACT SPECIAL PROVISION FOR MORE DETAILS.



LEGEND:



PROPOSED DETECTABLE WARNING



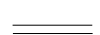
PROPOSED PCC SIDEWALK

XXX.XX' EXISTING LENGTH



BENCHMARK

SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD



EXISTING ELEVATION/SLOPE

U.S. ROUTE 6

BENCHMARK

REFERENCE BENCHMARK #3000, ELEV. 601.85'

LOCATION: NE & NW CORNER OF U.S.ROUTE 6 AT SOUTH PARK AVE.

BENCHMARK: SOUTH FACE OF THE LIGHT POLE BASE
SW CORNER OF SOUTH PARK AVE

USER NAME = SravanMaringanti	DESIGNED - KLN	REVISED -
	DRAWN - KLN	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED - MM	REVISED -
PLOT DATE = 9/13/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

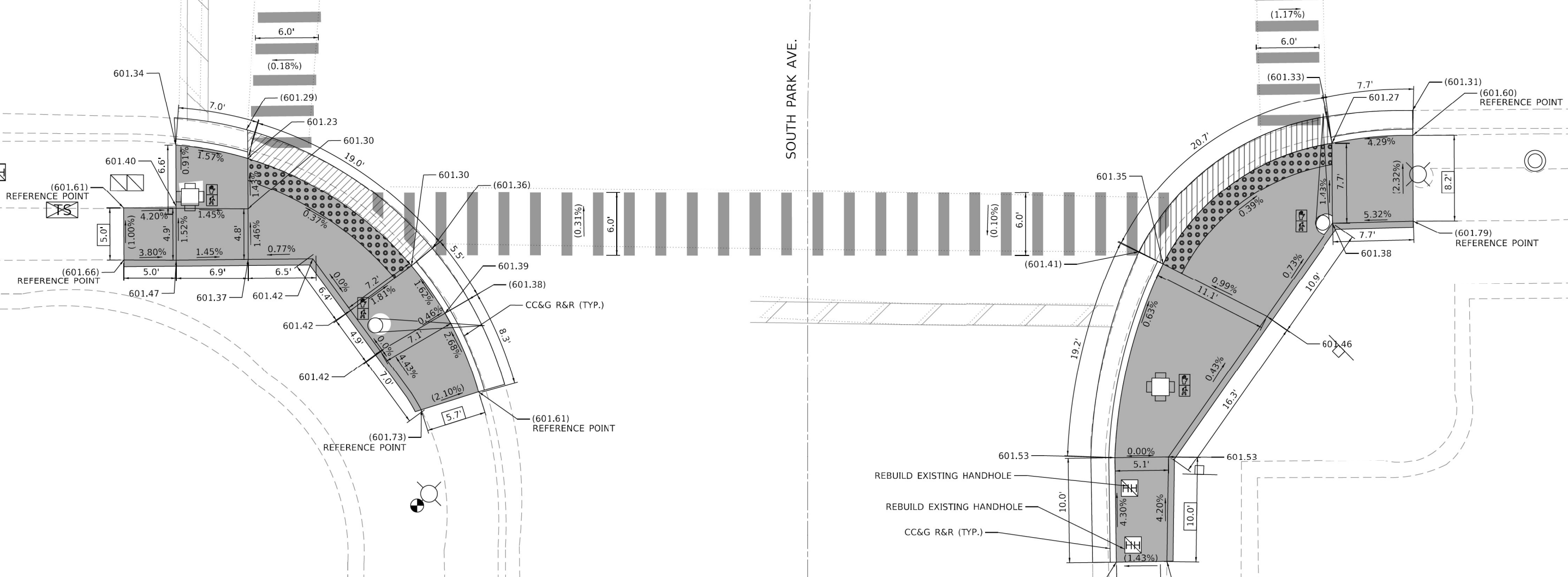
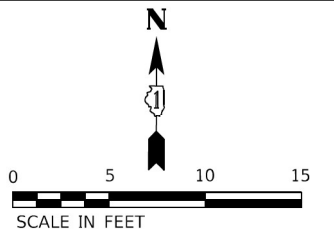
**US ROUTE 6 AND SOUTH PARK AVE
ADA CORNER DESIGN**

SCALE: 1"=5'	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	72	29
		CONTRACT NO. 62T57		
ILLINOIS		FED. AID PROJECT		

U.S ROUTE 6

SOUTH PARK AVE.



LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #3653

LOCATION: SE & SW CORNER OF U.S.ROUTE 6 AT SOUTH PARK AVE.

BENCHMARK: SIDEWALK AT SE CORNER OF SOUTH PARK AVE.

OSEH inc.

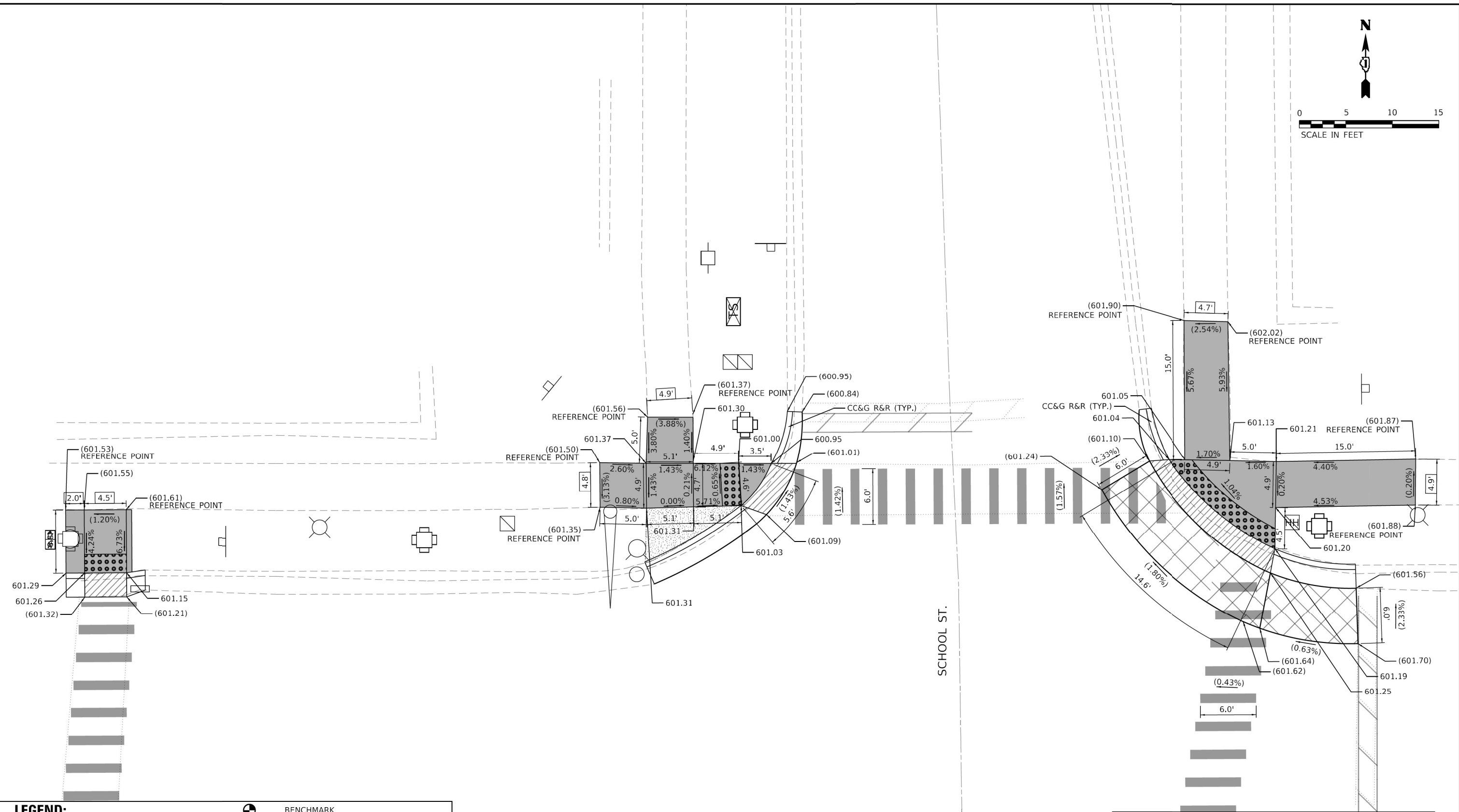
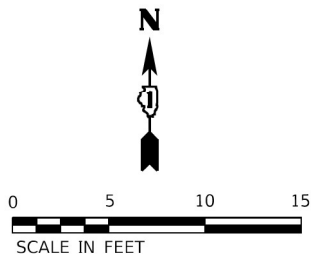
USER NAME = SravanMariganti	DESIGNED - KLN	REVISED -
	DRAWN - KLN	REVISED -
PLOT SCALE = 10,0000' / 1/4"	CHECKED - MM	REVISED -
PLOT DATE = 8/24/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND SOUTH PARK AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	31
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

PROPOSED DETECTABLE WARNING

DEPRESSED CURB AND GUTTER

PAVEMENT PATCHING

PROPOSED PCC SIDEWALK

XXX.XX'

BENCHMARK

SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD

PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B

REMOVE AND REINSTALL BRICK PAVER

()

EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #3700, ELEV. 602.84'

LOCATION: NE & NW CORNER OF U.S.ROUTE 6 AT SCHOOL ST.

BENCHMARK: SW BOLT ON FIRE HYDRANT AT SCHOOL ST & U.S.ROUTE 6

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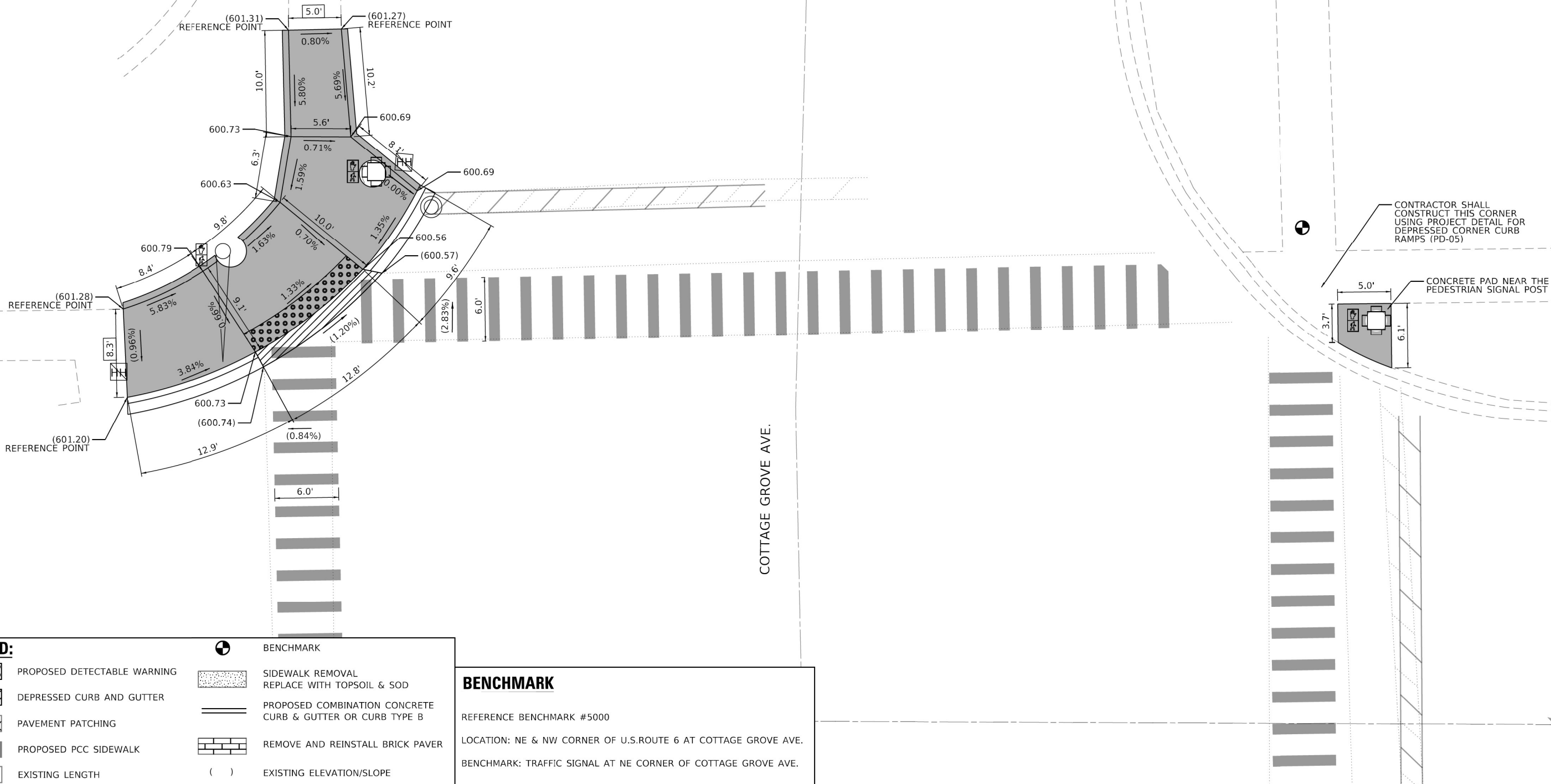
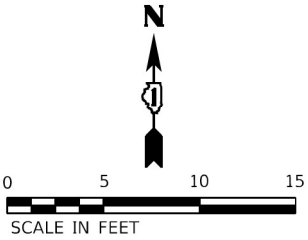


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	DRAWN - KLN	REVISED -
PLOT SCALE = 10.0000 ' / 1"	CHECKED - MM	REVISED -
PLOT DATE = 8/24/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND SCHOOL ST ADA CORNER DESIGN			
SCALE: 1"=5'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	32
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK #5000
LOCATION: NE & NW CORNER OF U.S.ROUTE 6 AT COTTAGE GROVE AVE.
BENCHMARK: TRAFFIC SIGNAL AT NE CORNER OF COTTAGE GROVE AVE.

OSEH inc.

4615 S. CARLETON AVE
MATTIE JONES
WILMINGTON, IL 60481
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

DESIGNED - KLN
DRAWN - KLN
CHECKED - MM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

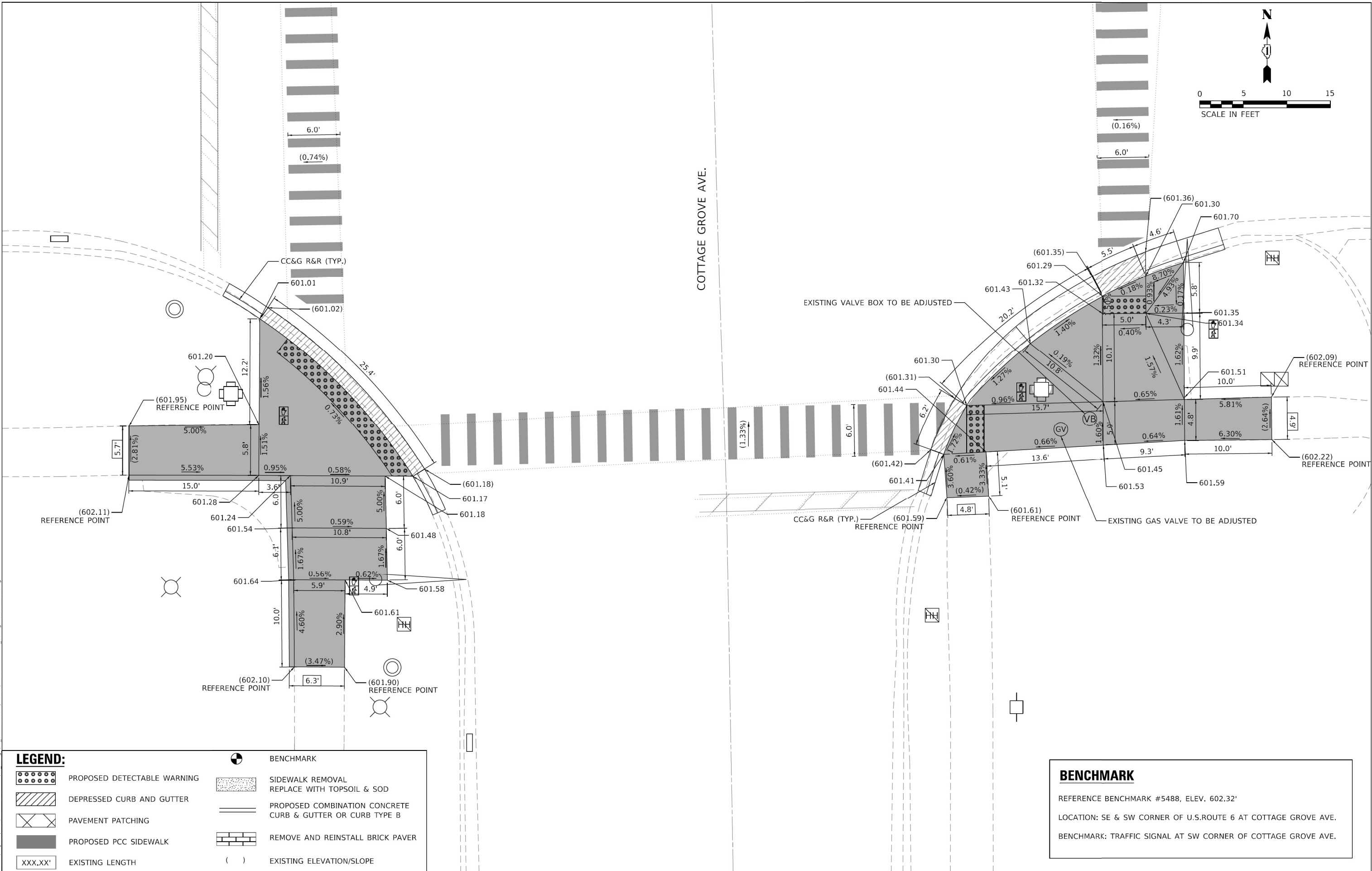
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND COTTAGE GROVE AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	34
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

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LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK #5488, ELEV. 602.32'

LOCATION: SE & SW CORNER OF U.S.ROUTE 6 AT COTTAGE GROVE AVE.

BENCHMARK: TRAFFIC SIGNAL AT SW CORNER OF COTTAGE GROVE AVE.

OSEH inc.

USER NAME = SravanMariganti
DRAWN - KLN
PLOT SCALE = 10,0000' / in.
PLOT DATE = 8/24/2023

DESIGNED - KLN
CHECKED - MM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND COTTAGE GROVE AVE
ADA CORNER DESIGN

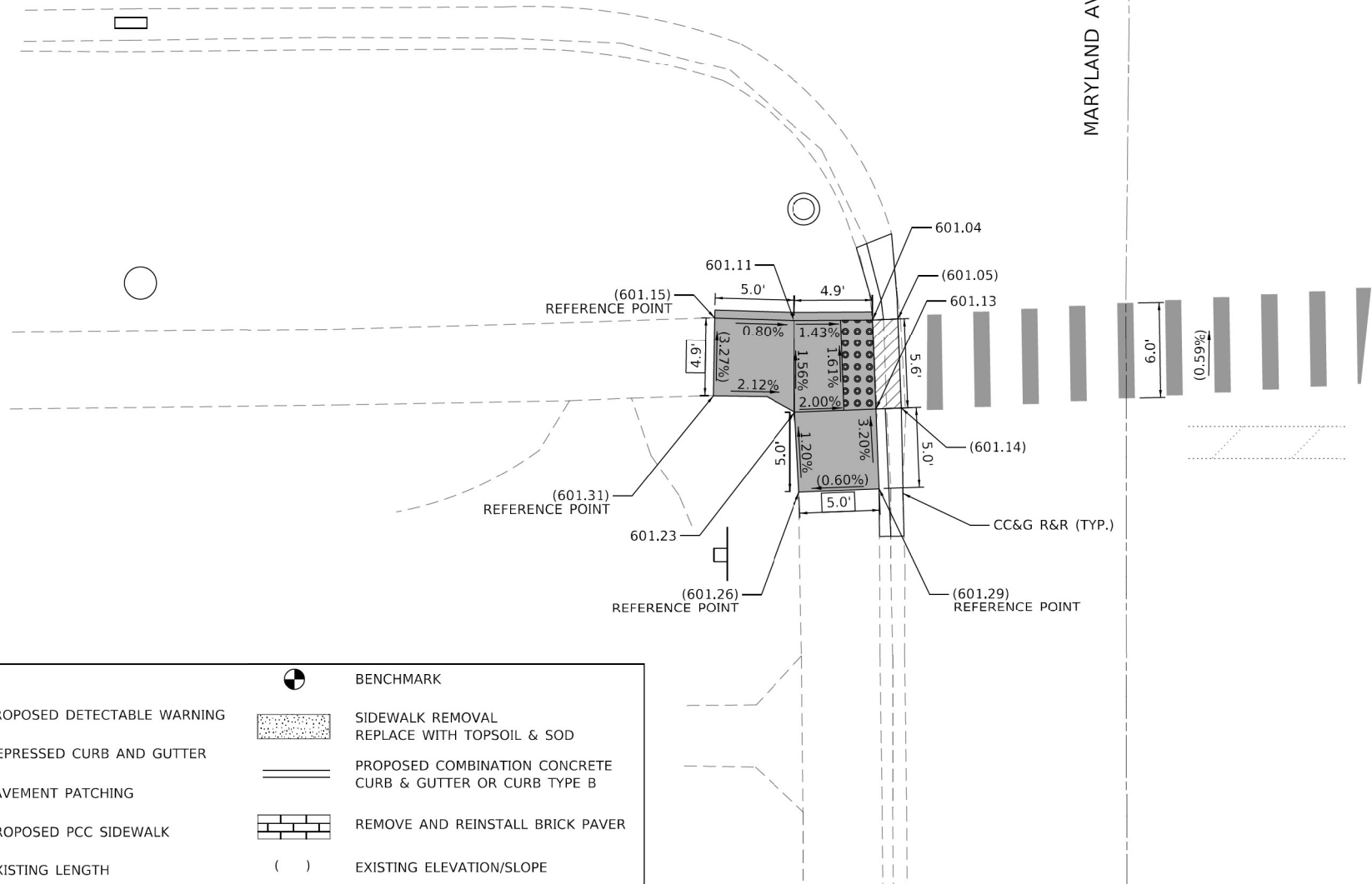
SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	35
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



U.S ROUTE 6

MARYLAND AVE.



LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #4400, ELEV. 602.07'
LOCATION: SW CORNER OF U.S.ROUTE 6 AT MARYLAND AVE.
BENCHMARK: FIRE HYDRANT AT SE CORNER OF MARYLAND AVE.

OSEH inc.

460 S CARLETON AVE
SUITE 202
NAPERVILLE, IL 60563
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

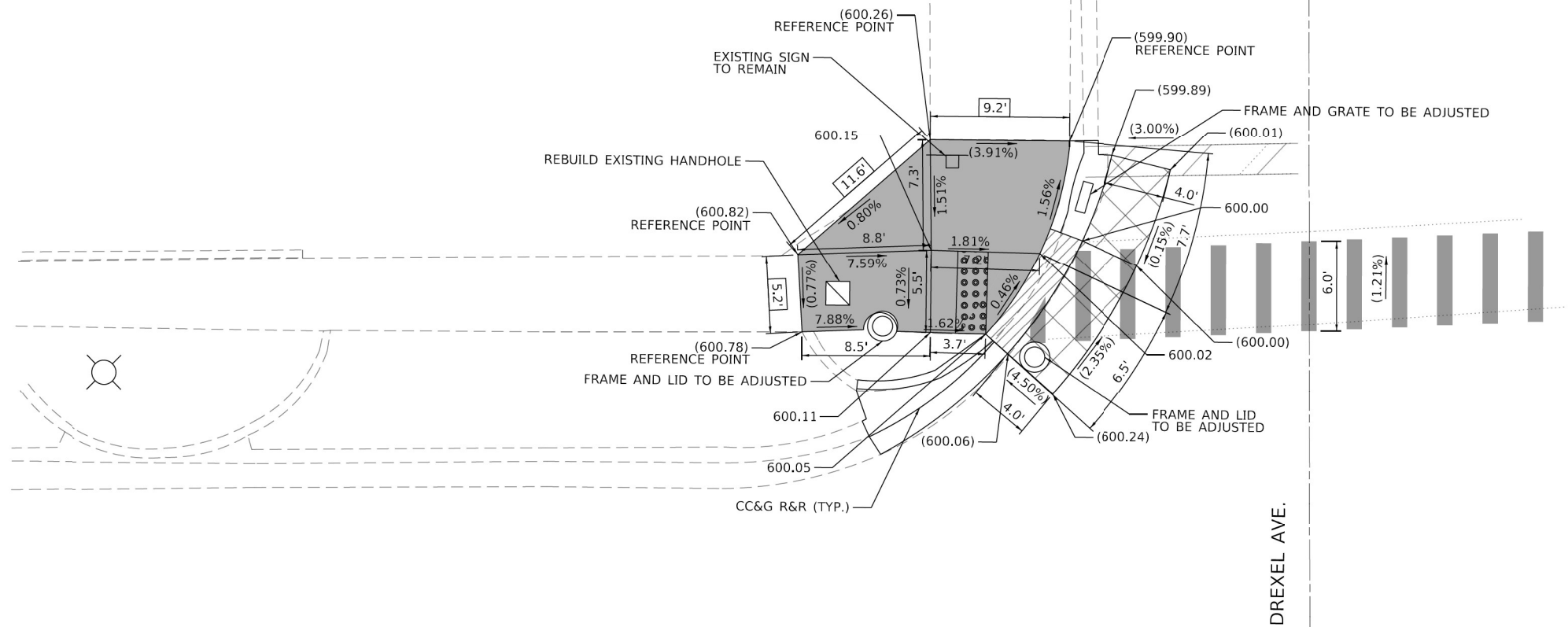
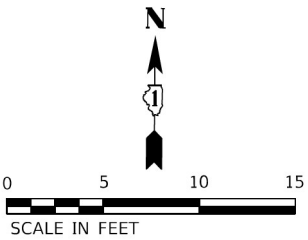
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DRAWN - KLN
CHECKED - MM
DATE -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND MARYLAND AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	36
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK #4700, ELEV. 600.01'
LOCATION: NW CORNER OF U.S.ROUTE 6 AT DREXEL AVE.
BENCHMARK: TRAFFIC SIGNAL CONSOLE AT NW CORNER OF DREXEL AVE.

OSEH inc.

460 S CARLETON AVE
SUITE 202
WILMINGTON, IL 60187
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

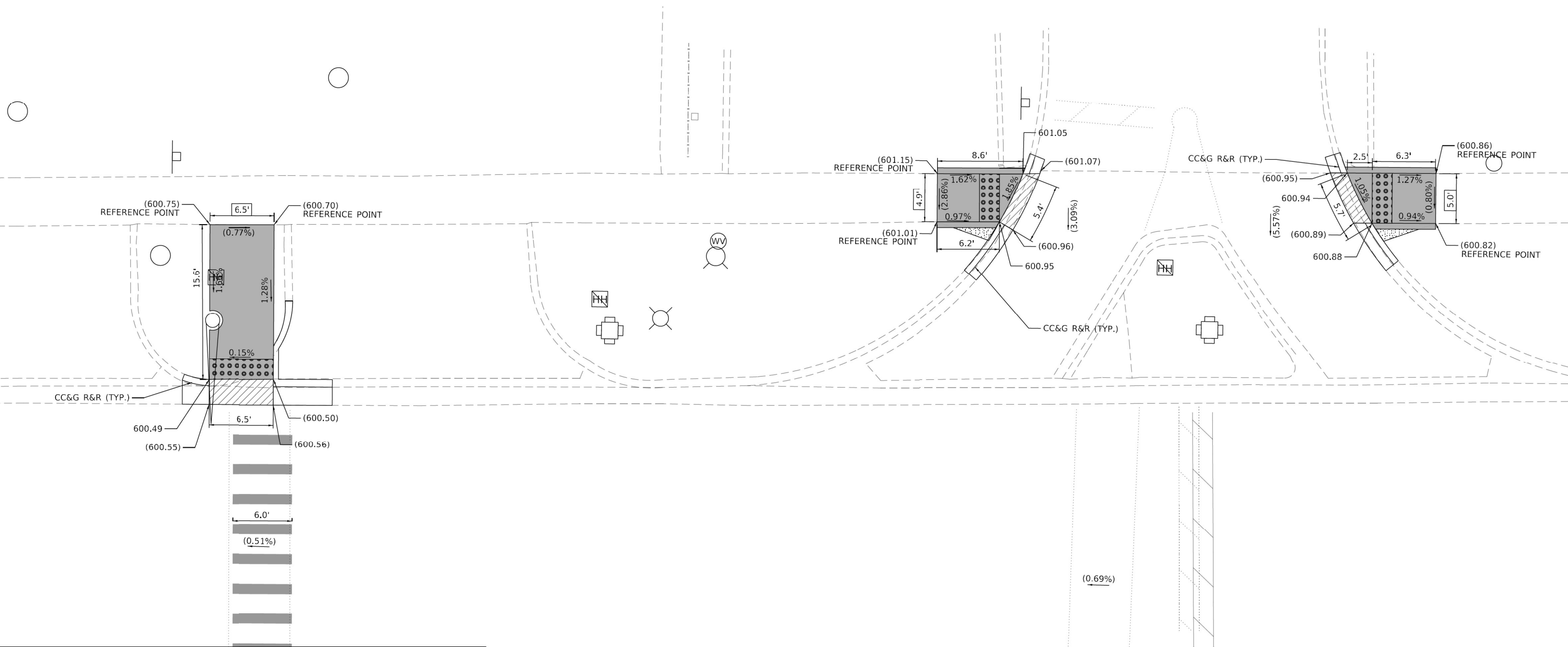
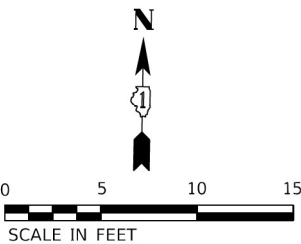
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DRAWN - KLN	REVISED -
CHECKED - MM	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND DREXEL AVE.
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	37
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

PROPOSED DETECTABLE WARNING

DEPRESSED CURB AND GUTTER

PAVEMENT PATCHING

PROPOSED PCC SIDEWALK

XXX.XX' EXISTING LENGTH

BENCHMARK

SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD

PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B

REMOVE AND REINSTALL BRICK PAVER

() EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK ELEV. 600.78'

LOCATION: NW CORNER OF U.S.ROUTE 6 AT ELLIS AVE.

BENCHMARK: SE CONCRETE RIM OF THE HAND HOLE AT NE CORNER OF ELLIS AVE.

MODEL Default
FILE Name: Z:\Shared\Projects\DOT\DOT-44320 - IEI03_Design\02_CADD_Sheets\WO_38\DOT25722-ADA-17_Ellis_Ave_N.dgn

OSEH inc.

460 S CARLETON AVE
SUITE 202
WILMINGTON, IL 60097
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

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DRAWN - KLN
CHECKED - MM
DATE -

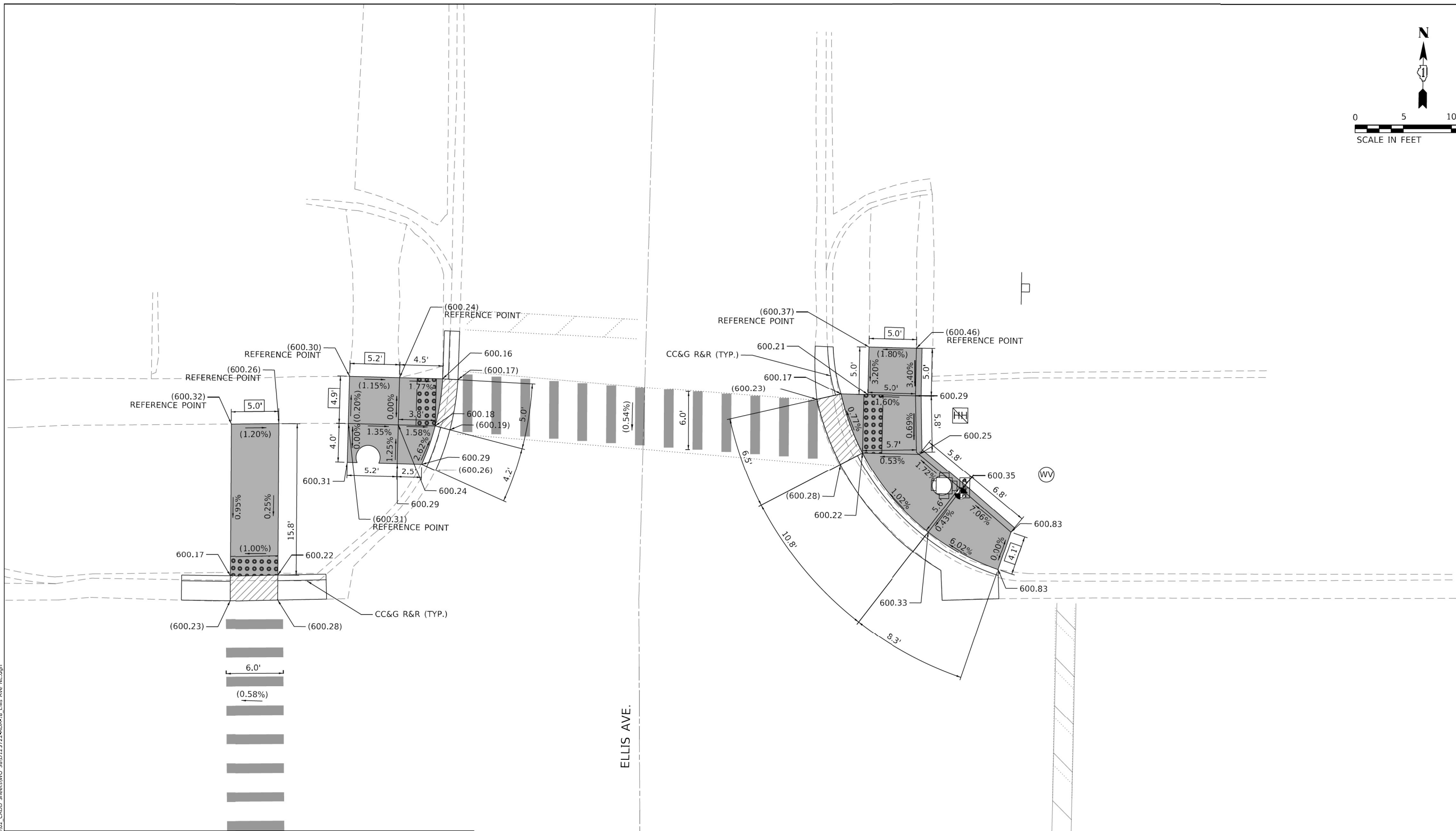
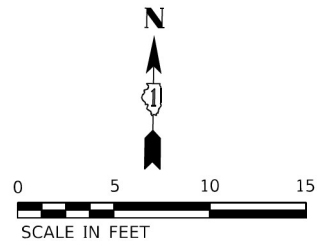
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND ELLIS AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	38
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK ELEV. 600.78'

LOCATION: NE CORNER OF U.S.ROUTE 6 AT ELLIS AVE.

BENCHMARK: TRAFFIC SIGNAL AT NE CORNER OF ELLIS AVE.

OSEH inc.

480 S. CARLETON AVE
SUITE 200
WILMINGTON, IL 60457
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000' / 1" =
PLOT DATE = 8/24/2023

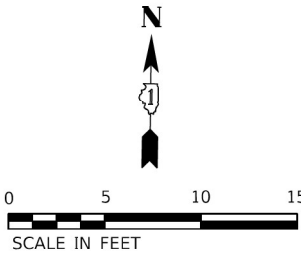
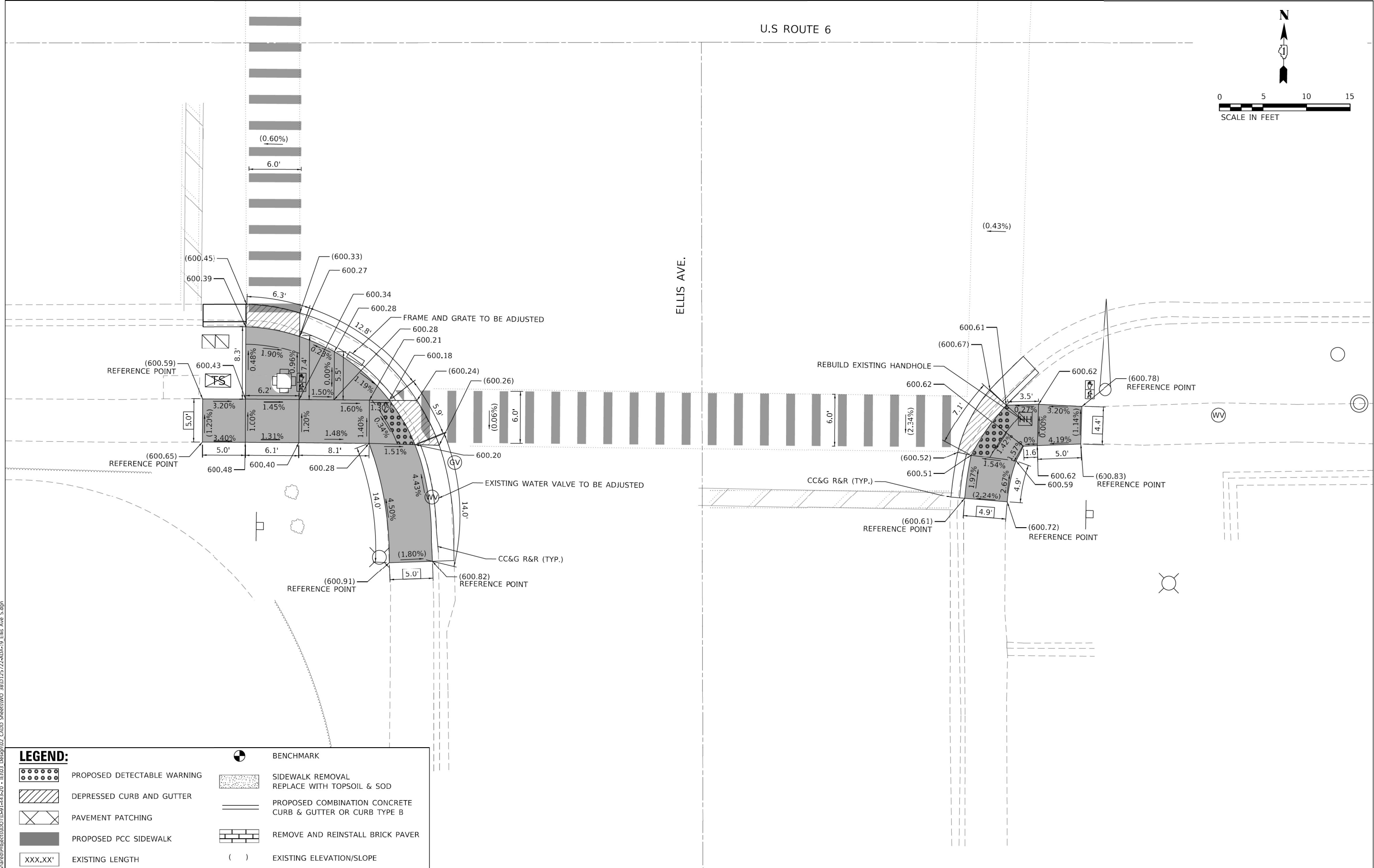
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DRAWN - KLN	REVISED -
CHECKED - MM	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND ELLIS AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	39
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:

- | | | | |
|---------|-----------------------------|-----|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| XXX.XX' | EXISTING LENGTH | () | EXISTING ELEVATION/SLOPE |

OSEH inc.

4615 S. CARLETON AVE
MATTI, ILL.
WWW.OSEHINC.COM

USER NAME = SravanMaranganti
DESIGNED - KLN
DRAWN - KLN
PLOT SCALE = 10,0000' / 1" = 10,000'
PLOT DATE = 8/24/2023

DESIGNED - KLN
DRAWN - KLN
CHECKED - MM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

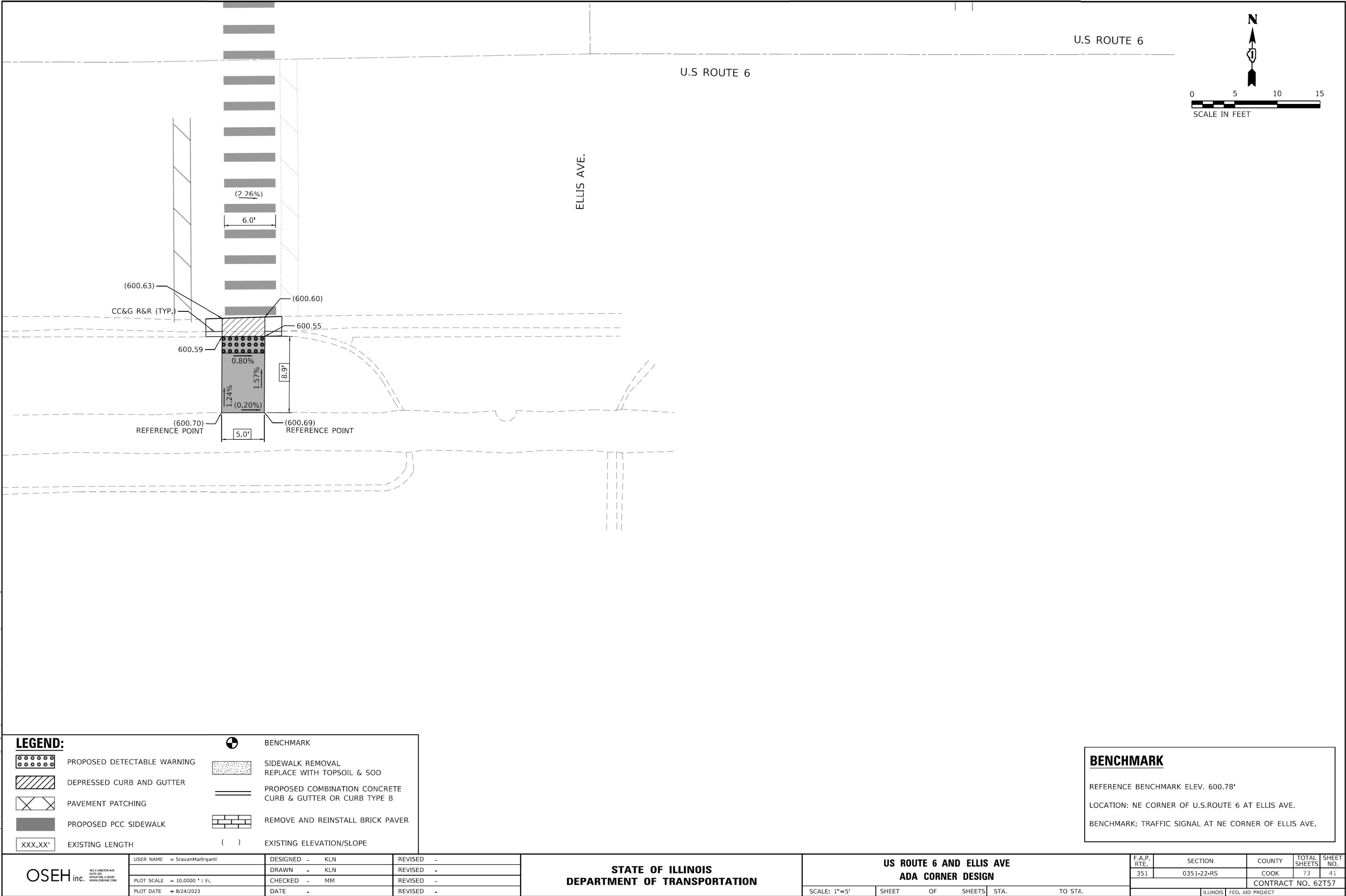
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND ELLIS AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	40
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE NAME: Z:\Shared\Projects\DOT\DOT-1443-20 - IE103_Design\02_CADD_Sheets\WO_38\DOT2522-AD-18_Ellis Ave SE.dgn



LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK ELEV. 600.78'

LOCATION: NE CORNER OF U.S.ROUTE 6 AT ELLIS AVE.

BENCHMARK: TRAFFIC SIGNAL AT NE CORNER OF ELLIS AVE.

OSEH inc.

460 S CARLETON AVE
SUITE 202
WILMINGTON, IL 60481
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10.0000' / 1" =
PLOT DATE = 8/24/2023

DESIGNED - KLN
DRAWN - KLN
CHECKED - MM
DATE -

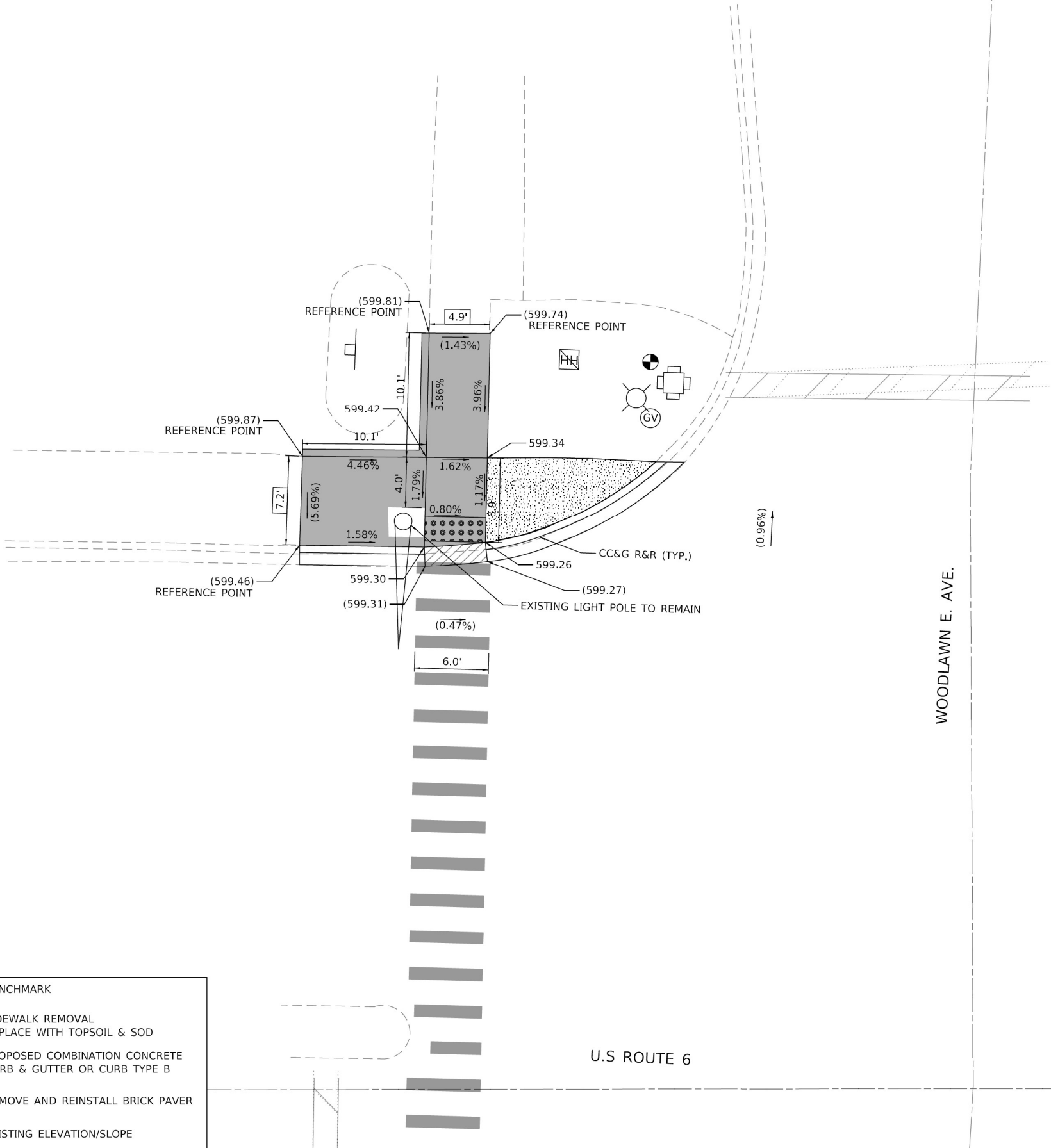
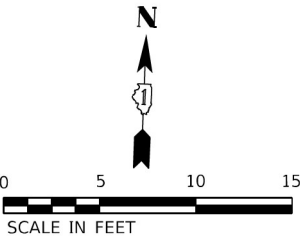
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND ELLIS AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	41
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



WOODLAWN E. AVE.

U.S ROUTE 6

LEGEND:

- | | | | |
|--|-----------------------------|--|---|
| | PROPOSED DETECTABLE WARNING | | BENCHMARK |
| | DEPRESSED CURB AND GUTTER | | SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD |
| | PAVEMENT PATCHING | | PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B |
| | PROPOSED PCC SIDEWALK | | REMOVE AND REINSTALL BRICK PAVER |
| | EXISTING LENGTH | | EXISTING ELEVATION/SLOPE |

BENCHMARK

REFERENCE BENCHMARK ELEV. 600.11'
LOCATION: NW CORNER OF U.S.ROUTE 6 AT WOODLAWN E. AVE.
BENCHMARK: TRAFFIC SIGNAL AT NW CORNER OF WOODLAWN E. AVE.

OSEH inc.

480 S CARLETON AVE
SUITE 202
WILMINGTON, IL 60457
WWW.OSEHINC.COM

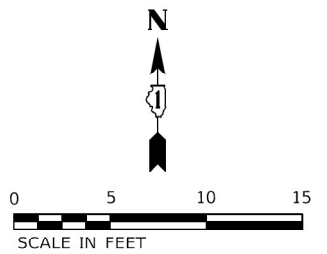
USER NAME = SravanMariganti	DESIGNED - KLN	REVISED -
	DRAWN - KLN	REVISED -
PLOT SCALE = 10,0000 ' / in.	CHECKED - MM	REVISED -
PLOT DATE = 8/24/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

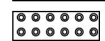
US ROUTE 6 AND WOODLAWN E AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	42
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



LEGEND:



PROPOSED DETECTABLE WARNING



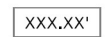
DEPRESSED CURB AND GUTTER



PAVEMENT PATCHING



PROPOSED PCC SIDEWALK



EXISTING LENGTH



BENCHMARK



SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD



PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B



REMOVE AND REINSTALL BRICK PAVER



EXISTING ELEVATION/SLOPE

OSEH inc.

401 S. CARLTON AVE
SUITE 201
WHEATON, IL 60187
WWW.OSEHINC.COM

USER NAME	= SravanMaringanti
-----------	--------------------

--	--

PLOT SCALE = 10,000' / in.

DESIGNED -	KLN
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DRAWN	-	KLN
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CHECKED	-	MM
---------	---	----

REVISED	-
---------	---

REVISED	-
---------	---

REVISED	-
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 6 AND WOODLAND AVE
ADA CORNER DESIGN**

SCALE: 1"=5'

	SHE
--	-----

OF

SHEET

STA.

TO STA.

F.A.P.

RTE.
351

SECTION

0351-22-RS

COUNTY

COOK

CONTRACT NO. 62T57

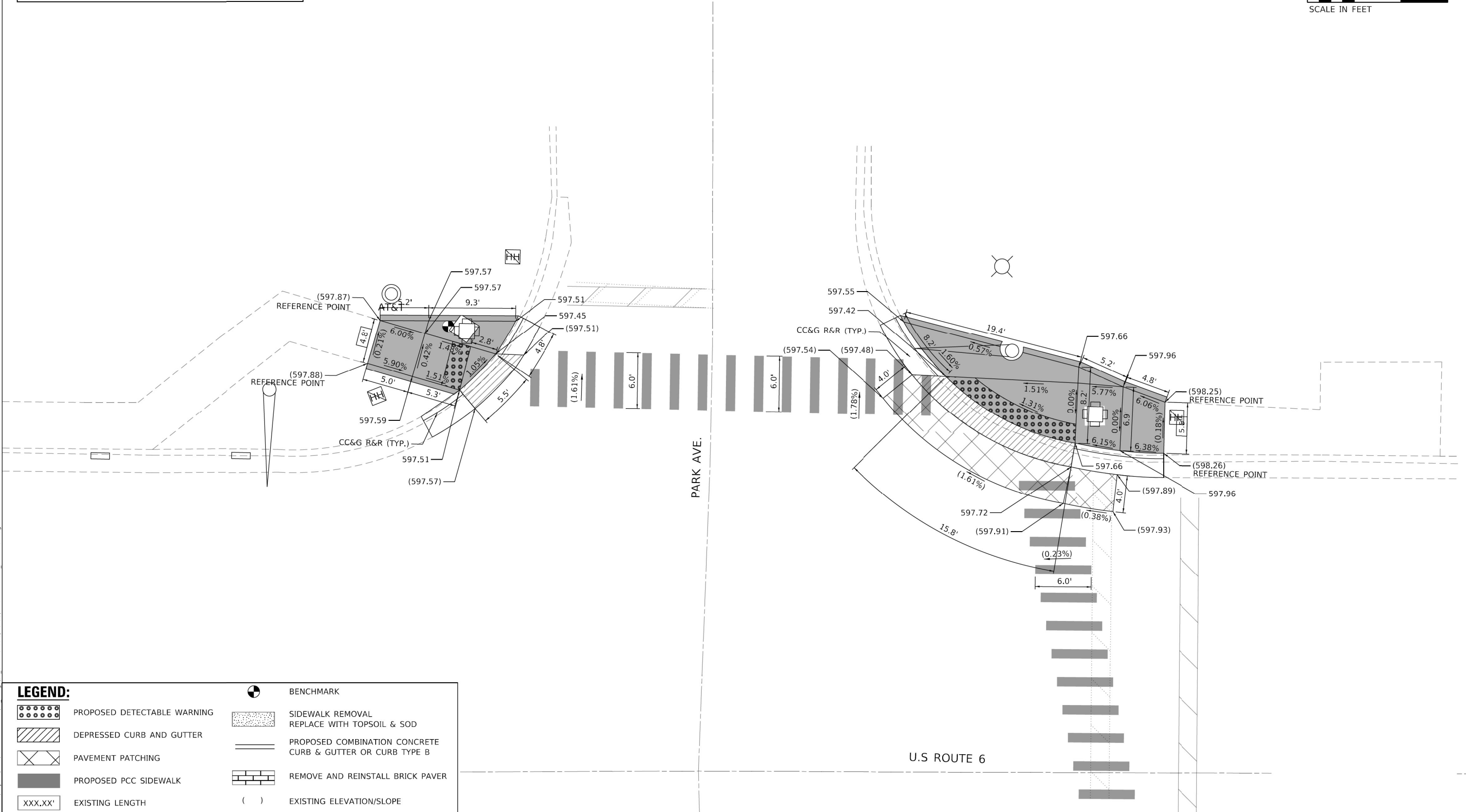
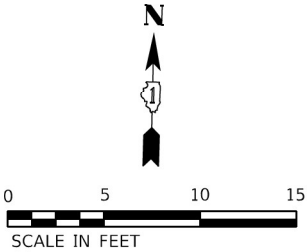
		CONTRACT
ILLINOIS	FED. AID PROJECT	

BENCHMARK

REFERENCE BENCHMARK ELEV. 598.37'

LOCATION: NE & NW CORNER OF U.S.ROUTE 6 AT PARK AVE.

BENCHMARK: TRAFFIC SIGNAL AT NW CORNER OF PARK AVE.



LEGEND:

- PROPOSED DETECTABLE WARNING
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- PROPOSED PCC SIDEWALK
- XXX.XX' EXISTING LENGTH
- BENCHMARK
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B
- REMOVE AND REINSTALL BRICK PAVER
- () EXISTING ELEVATION/SLOPE

OSEH inc.

4615 S. CARLETON AVE
MATTI, ILL.
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000' / 1" =
PLOT DATE = 8/24/2023

DESIGNED - KLN
DRAWN - KLN
CHECKED - MM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

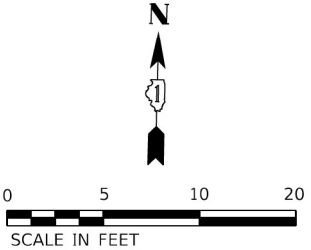
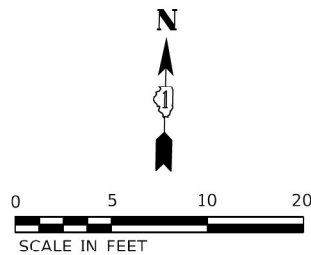
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND PARK AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	44
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

MODEL Default
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SW QUADRANT – PARK AVE

LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK ELEV. 598.37'
LOCATION: SE & SW CORNER OF U.S.ROUTE 6 AT PARK AVE.
BENCHMARK: TRAFFIC SIGNAL AT SW CORNER OF PARK AVE.

OSEH inc.

461 S CARLETON AVE
SUITE 202
NAPERVILLE, IL 60563
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

DESIGNED - KLN	REVISED -
DRAWN - KLN	REVISED -
CHECKED - MM	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

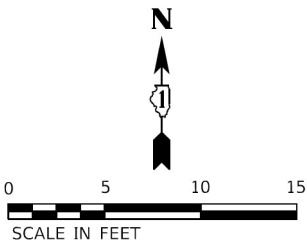
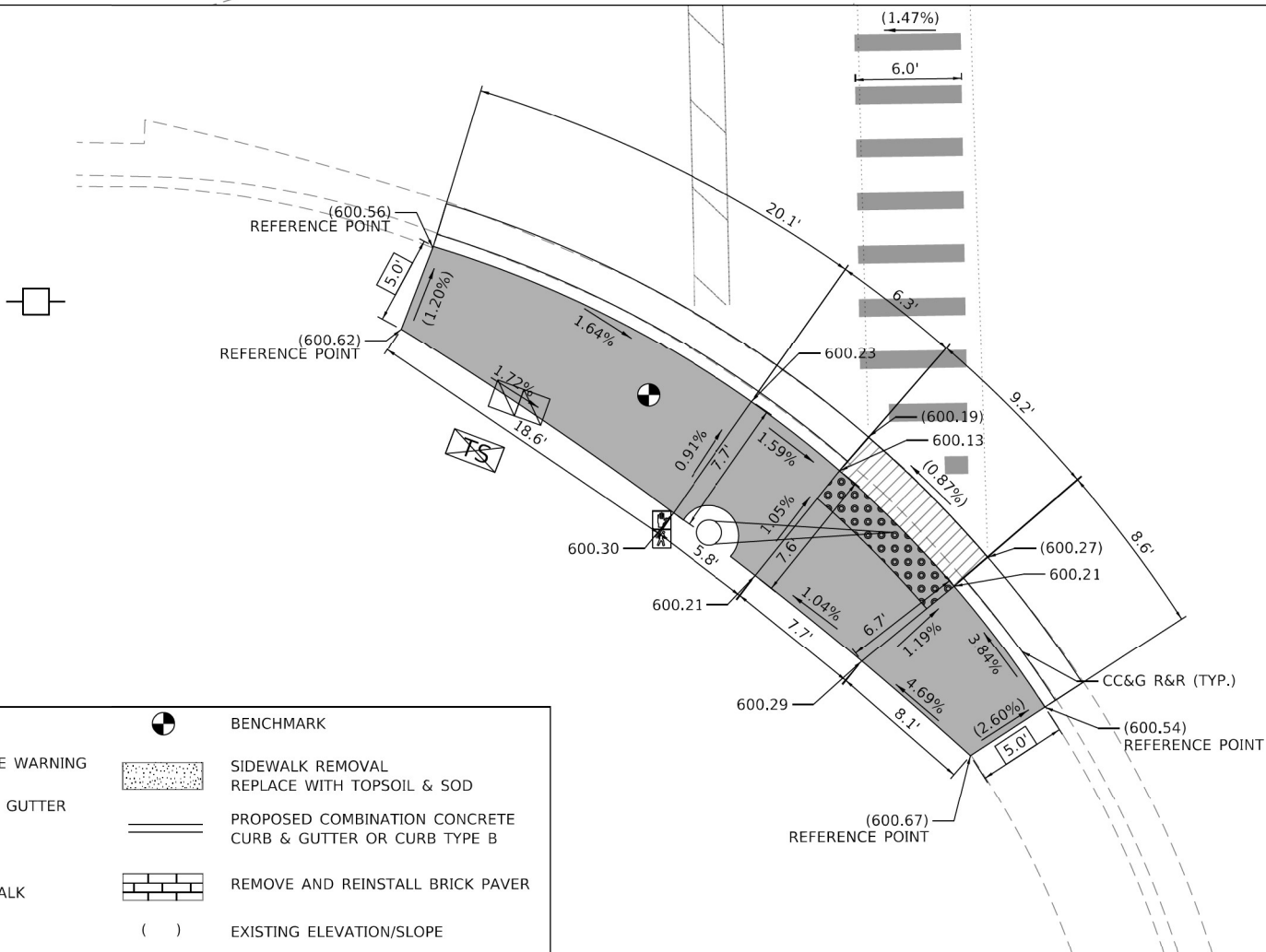
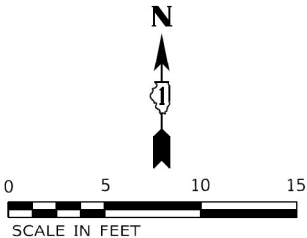
US ROUTE 6 AND PARK AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	45
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

NW QUADRANT – PAXTON AVENUE

CONTRACTOR TO PROVIDE A 2' WIDE
CONCRETE PAD NEAR PEDESTRIAN SIGNAL
POST AND MAST ARM



LEGEND:

	PROPOSED DETECTABLE WARNING		BENCHMARK
	DEPRESSED CURB AND GUTTER		SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PAVEMENT PATCHING		PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	PROPOSED PCC SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	EXISTING LENGTH		EXISTING ELEVATION/SLOPE

BENCHMARK

REFERENCE BENCHMARK ELEV. 600.76'
LOCATION: SW CORNER OF U.S.ROUTE 6 AT PAXTON AVE.
BENCHMARK: TRAFFIC SIGNAL AT SE CORNER OF PAXTON AVE.

OSEH inc.

460 S CARLETON AVE
SUITE 202
WILMINGTON, IL 60097
WWW.OSEHINC.COM

USER NAME = SravanMariganti
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 8/24/2023

DESIGNED - KLN
DRAWN - KLN
CHECKED - MM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

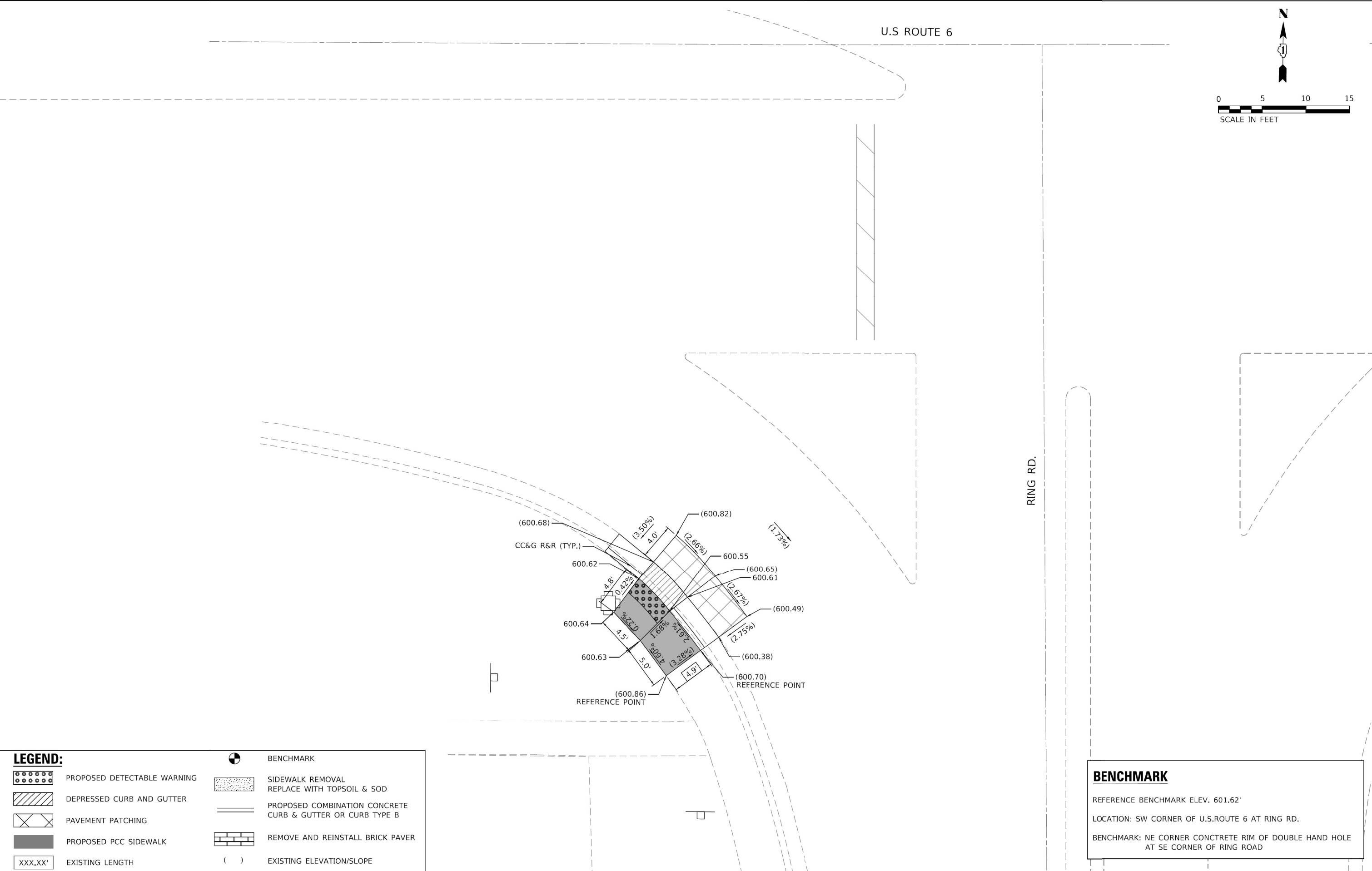
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 AND PAXTON AVE
ADA CORNER DESIGN

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	0351-22-R5	COOK	73	46
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE NAME: Z:\Shared\Projects\DOT\DOT-44320 - IEI03_Design\02_CADD_Sheets\WO_38\DOT25722-ADA-25_Ring_Rd_5.dgn



LEGEND:

PROPOSED DETECTABLE WARNING

DEPRESSED CURB AND GUTTER

PAVEMENT PATCHING

PROPOSED PCC SIDEWALK

XXX.XX'

EXISTING LENGTH

BENCHMARK

SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD

PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B

REMOVE AND REINSTALL BRICK PAVER

()

EXISTING ELEVATION/SLOPE

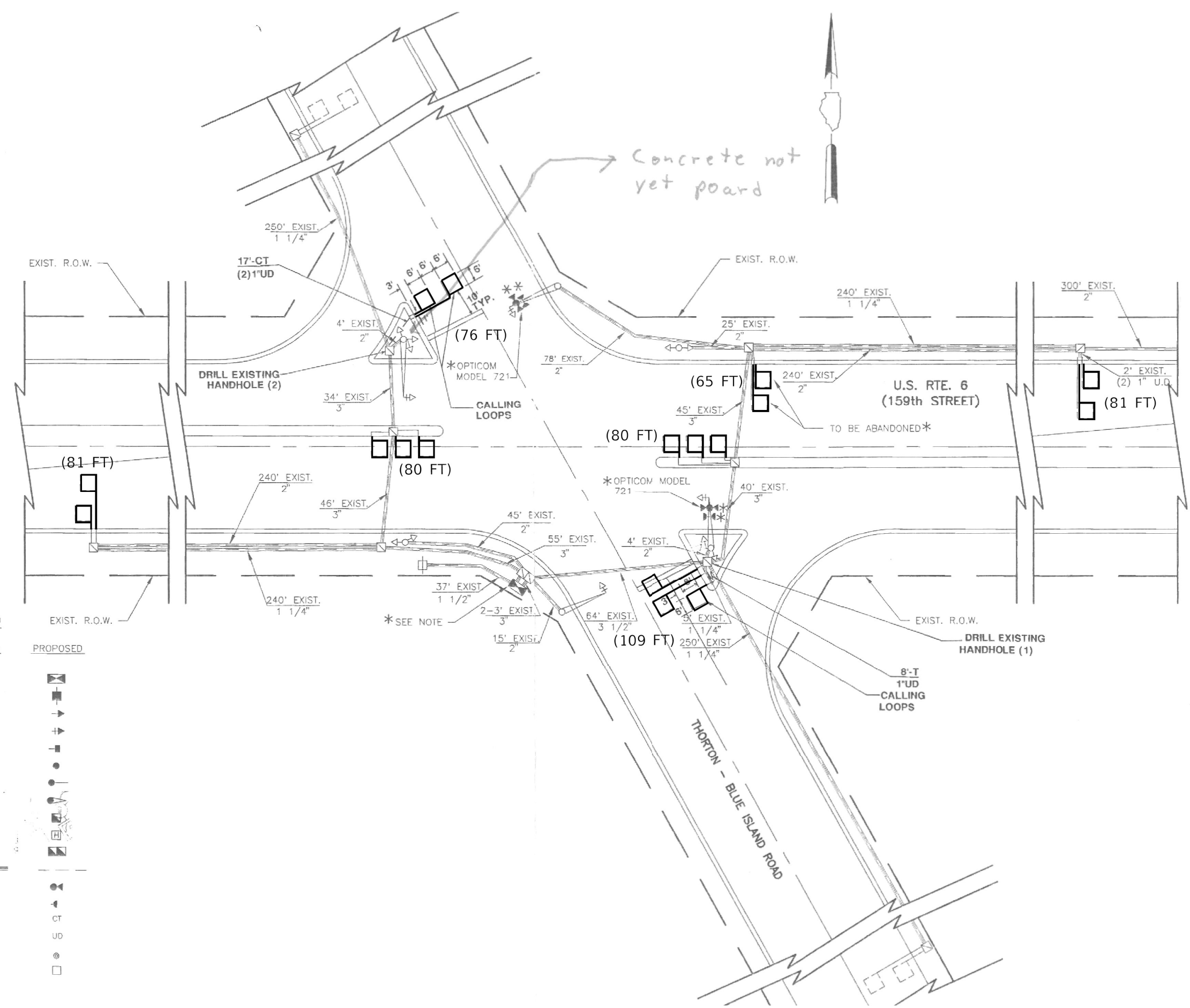
BENCHMARK

REFERENCE BENCHMARK ELEV. 601.62'

LOCATION: SW CORNER OF U.S.ROUTE 6 AT RING RD.

BENCHMARK: NE CORNER CONCRETE RIM OF DOUBLE HAND HOLE
AT SE CORNER OF RING ROAD

<div>OSEH inc.<div>4615 S CARLETON AVE SUITE 202 WILMINGTON, IL 60187 WWW.OSEHINC.COM</div></div>	USER NAME = SravanMariganti		DESIGNED - KLN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US ROUTE 6 AND RING RD ADA CORNER DESIGN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - KLN	REVISED -							351	0351-22-R5	COOK	73	47
	PLOT SCALE = 10,0000 ' / in.		CHECKED - MM	REVISED -							CONTRACT NO. 62T57				
	PLOT DATE = 8/24/2023		DATE -	REVISED -							ILLINOIS FED. AID PROJECT				
						SCALE: 1"=5'	SHEET	OF	SHEETS	STA.	TO	STA.			



TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OF PUSHED		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
COMMON TRENCH		
UNIT DUCT		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION PLAN
US RTE 6 (159TH ST) AT VINCENNES AVE (1 OF 2)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	48
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

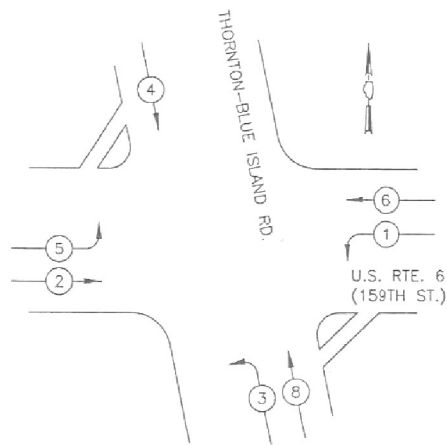
TS 310
ECON 56

MODEL Default
FILE NAME G:\2022\0721A IDOT US-6 Detector Loop APS\03A Design\01 CADD\02 Sheet\Loop Only\Locations\Vincennes Avenue\015722\Vincennes Ave-sht01.dgn

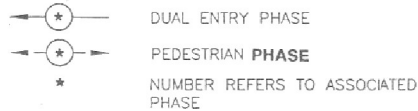
DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME = nsharma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/11/2023	DATE -	REVISED -

CONTROLLER SEQUENCE

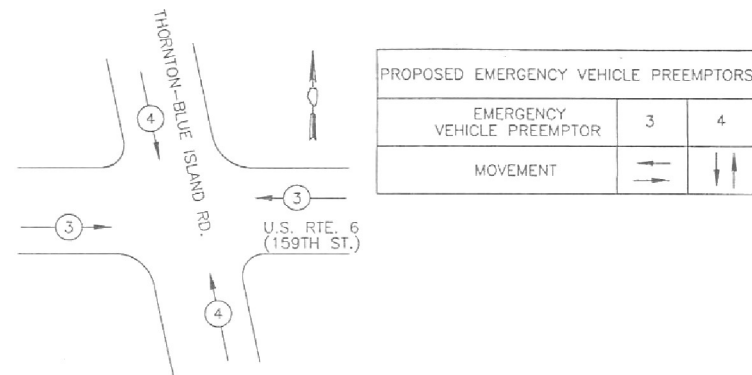


LEGEND



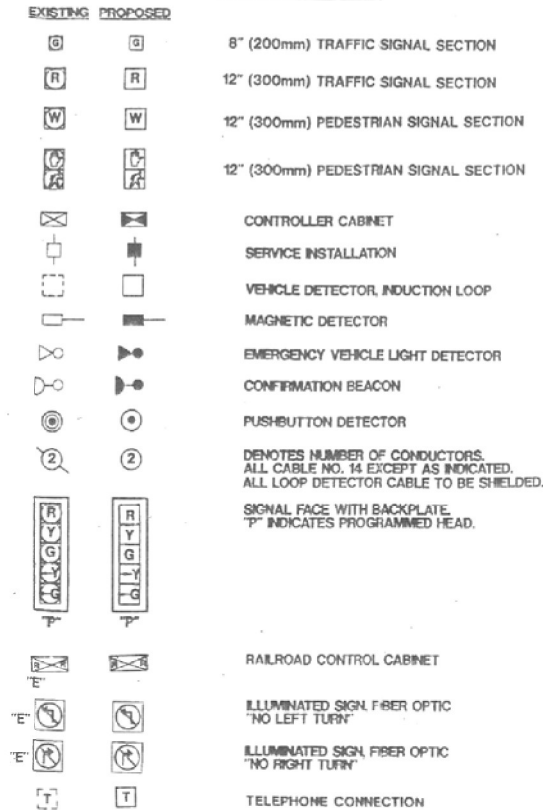
EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	→

CABLE PLAN LEGEND

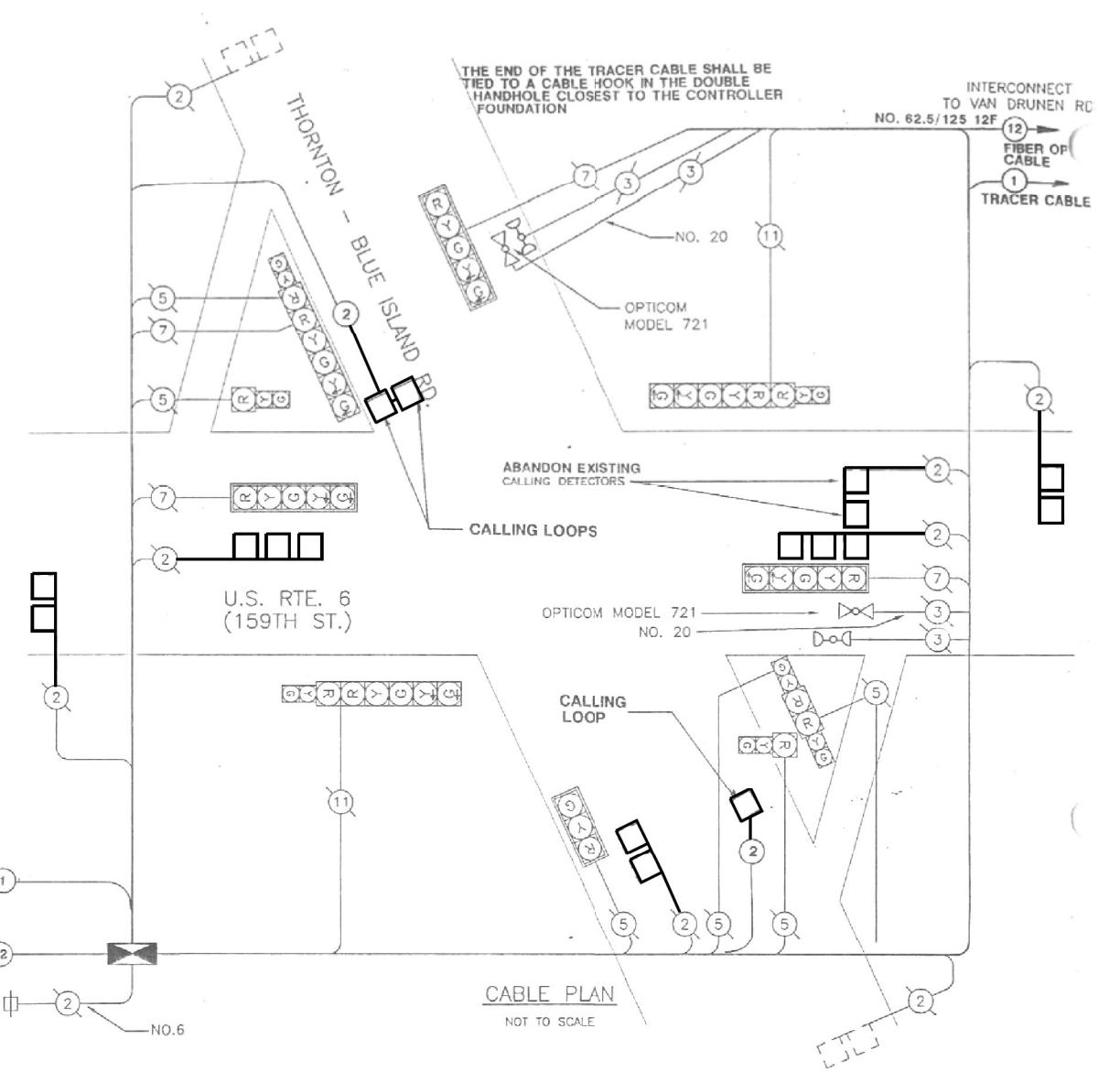


THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION

TRACER CABLE
INTERCONNECT TO ILL. RTE. 1 (HALSTED ST.)
NO. 62.5/125 12F FIBER OPTIC CABLE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	572



CABLE PLAN
NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (159TH ST) AT VINCENNES AVE (2 OF 2)

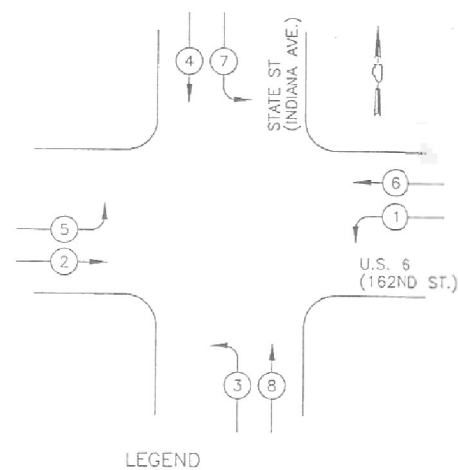
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		0351 22 RS	COOK	73	48A
		CONTRACT NO. 62T57			
		ILLINOIS FED. AID PROJECT			

TS 310
ECON 56

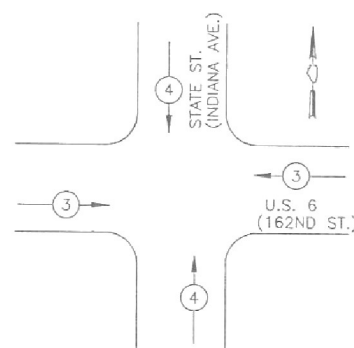
USER NAME = nsharma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/11/2023	DATE -	REVISED -

CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



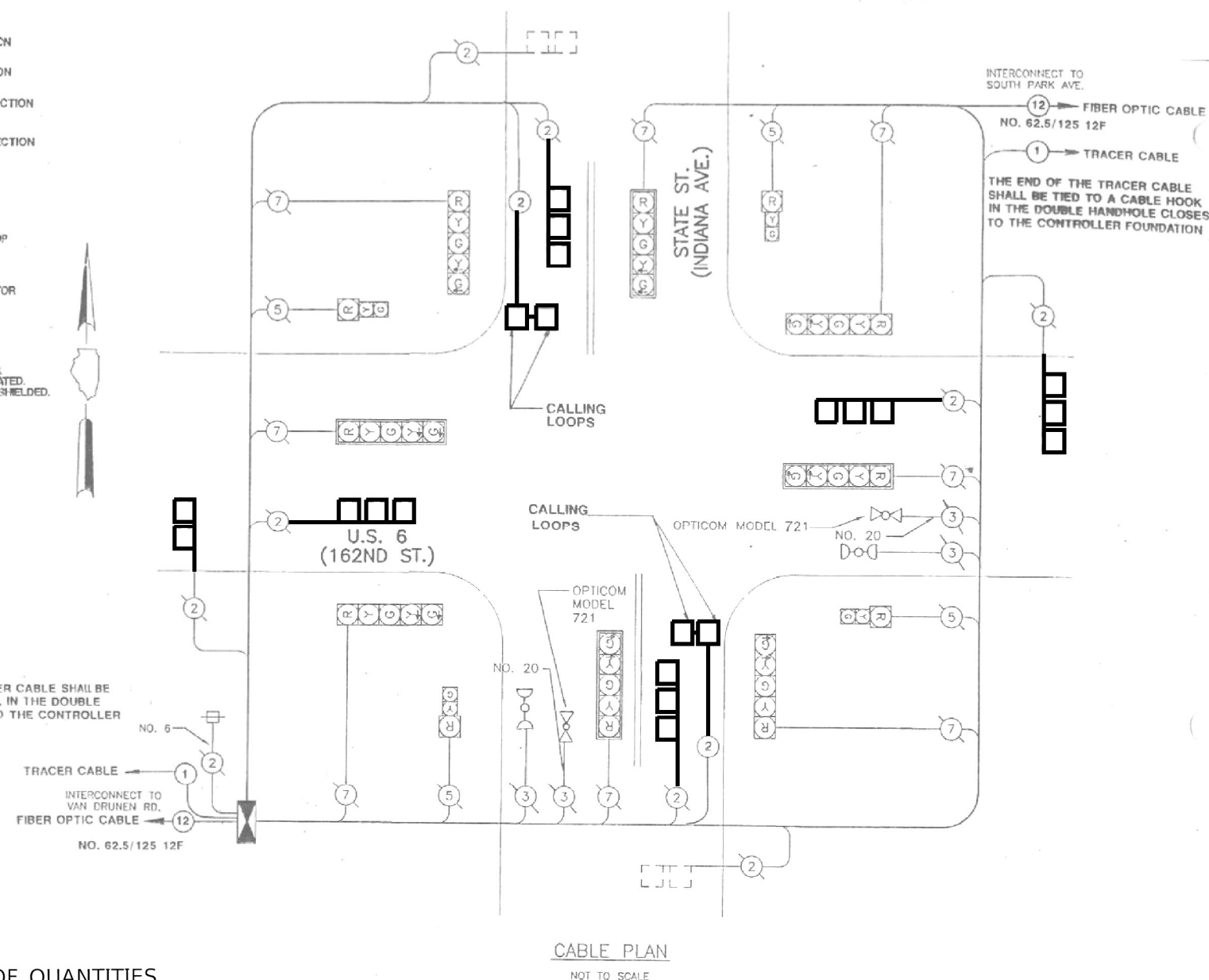
PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↑

CABLE PLAN LEGEND

EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		DENOTES NUMBER OF CONDUCTORS
		SIGNAL FACE WITH BACKPLATE
		T INDICATES PROGRAMMED HEAD
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGNAL FIBER OPTIC
		ILLUMINATED SIGNAL FIBER OPTIC
		TELEPHONE CONNECTION

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	743



TS 295
ECON 56

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (159TH ST) AT STATE ST (2 OF 2)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	49A
				CONTRACT NO. 62T57

SCALE: SHEET \$SHT_D 102 157-51-051_S_TOT TO STA.

USER NAME = nsharma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/11/2023	DATE -	REVISED - SREV4_DA

REMOVAL AND RELOCATION NOTES:

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

6 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

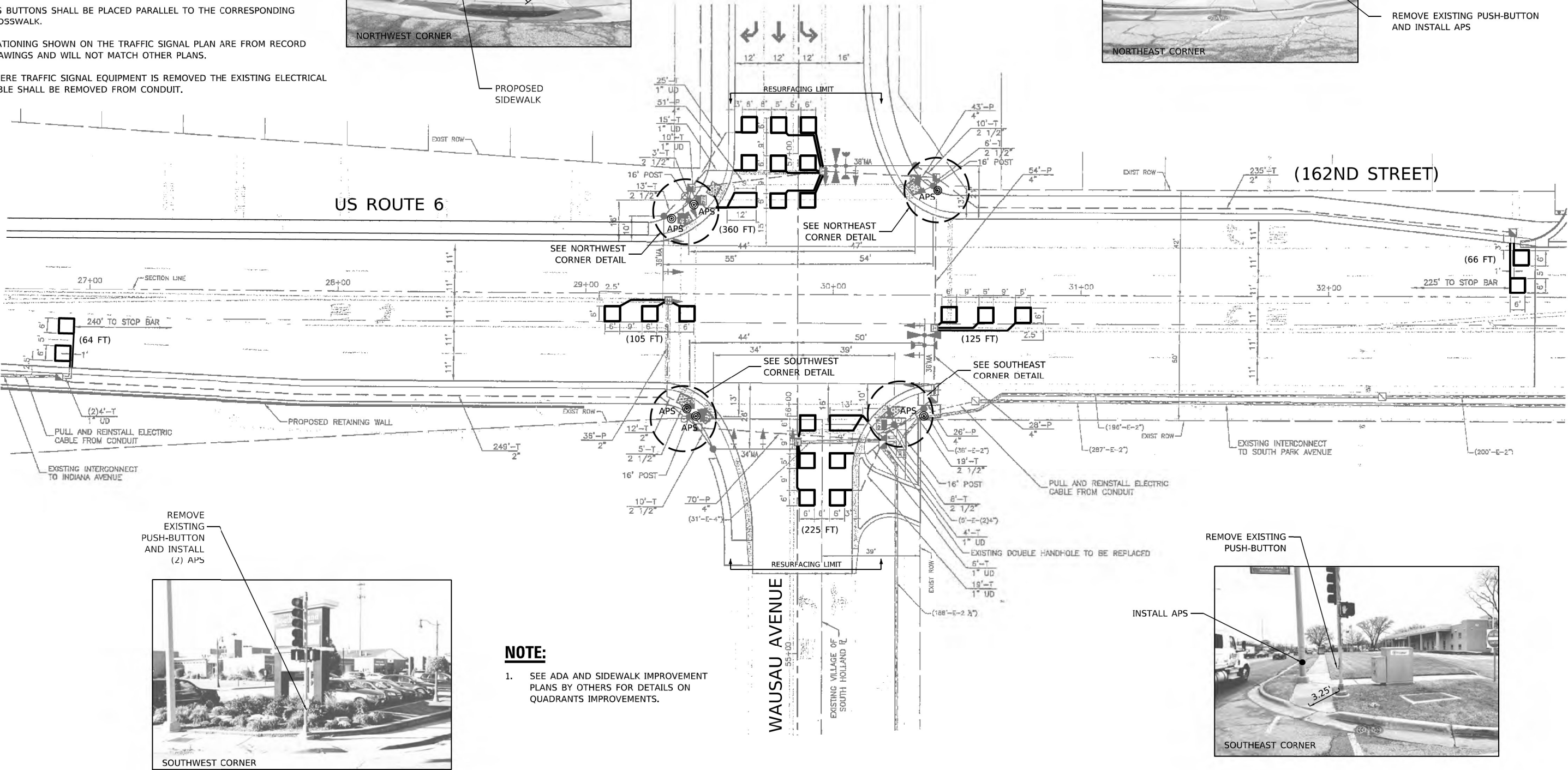
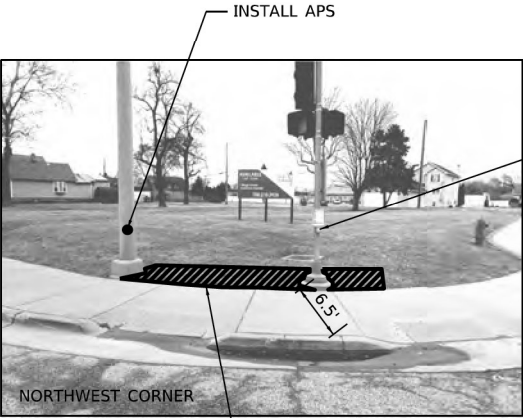
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

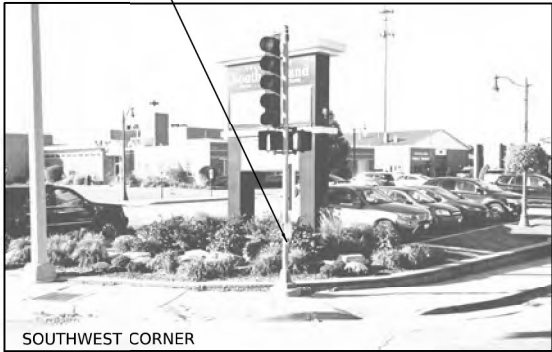
APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



REMOVE EXISTING PUSH-BUTTON AND INSTALL (2) APS



REMOVE EXISTING PUSH-BUTTON

INSTALL APS



NOTE:

1. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.

MODEL SHOWN ARE
FILE NAMES: STILES

DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME = SUSERS
PLOT SCALE = \$SCALES
PLOT DATE = \$DATES

DESIGNED - MA
DRAWN - NS
CHECKED - MA
DATE - 09/26/2023

REVISED -
REVISED -
REVISED -
REVISED - \$REV4_DA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET \$SHT_D 102157-SH-SHEETS \$SHTA001-052_S TOT TO STA.

APS AND DETECTOR LOOPS INSTALLATION PLAN
US RTE 6 (162ND ST) AND WAUSAU AVE

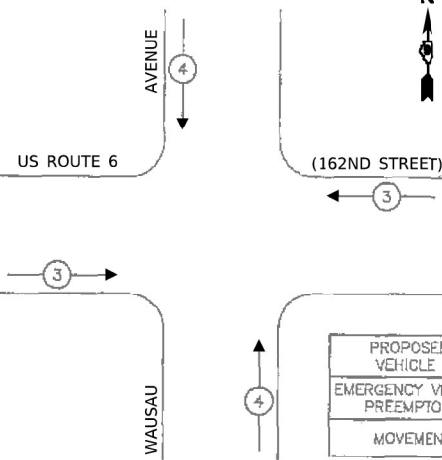
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	50
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS 293
ECON 56

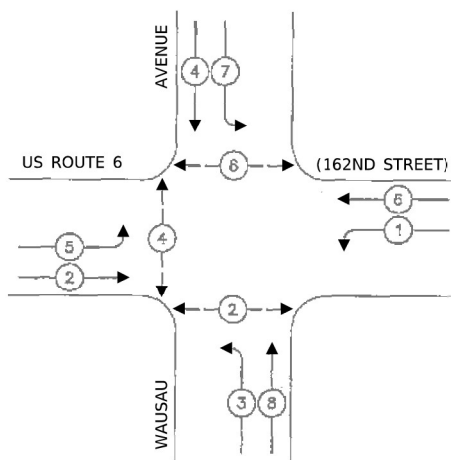
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	402
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	660
DETECTOR LOOP, TYPE I	FOOT	945
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
RE-OPTIMIZE LEVEL 1	EACH	1

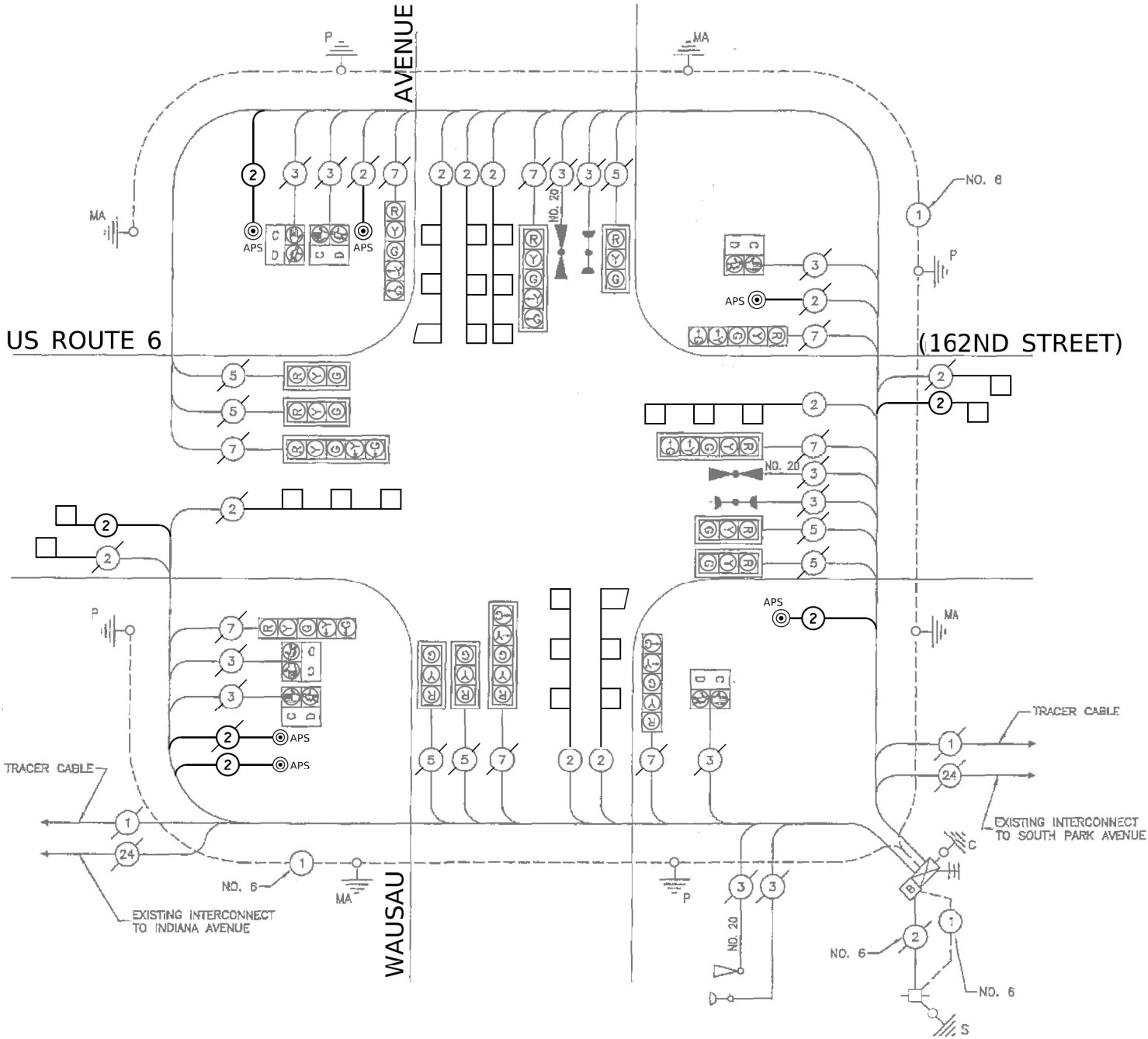
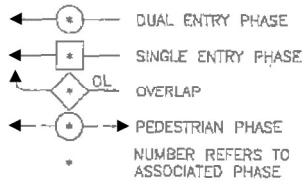
EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



EXISTING
CONTROLLER SEQUENCE



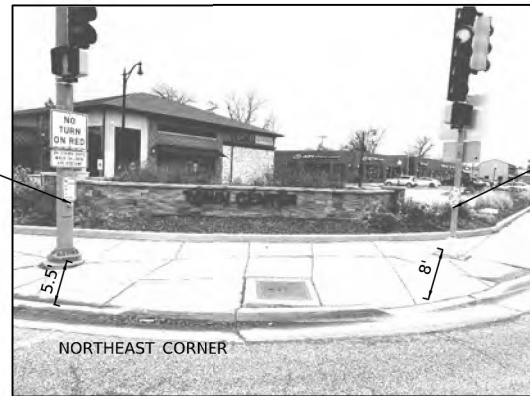
LEGEND





REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS

REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS



REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS

REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS

REMOVAL AND RELOCATION NOTES:

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

8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

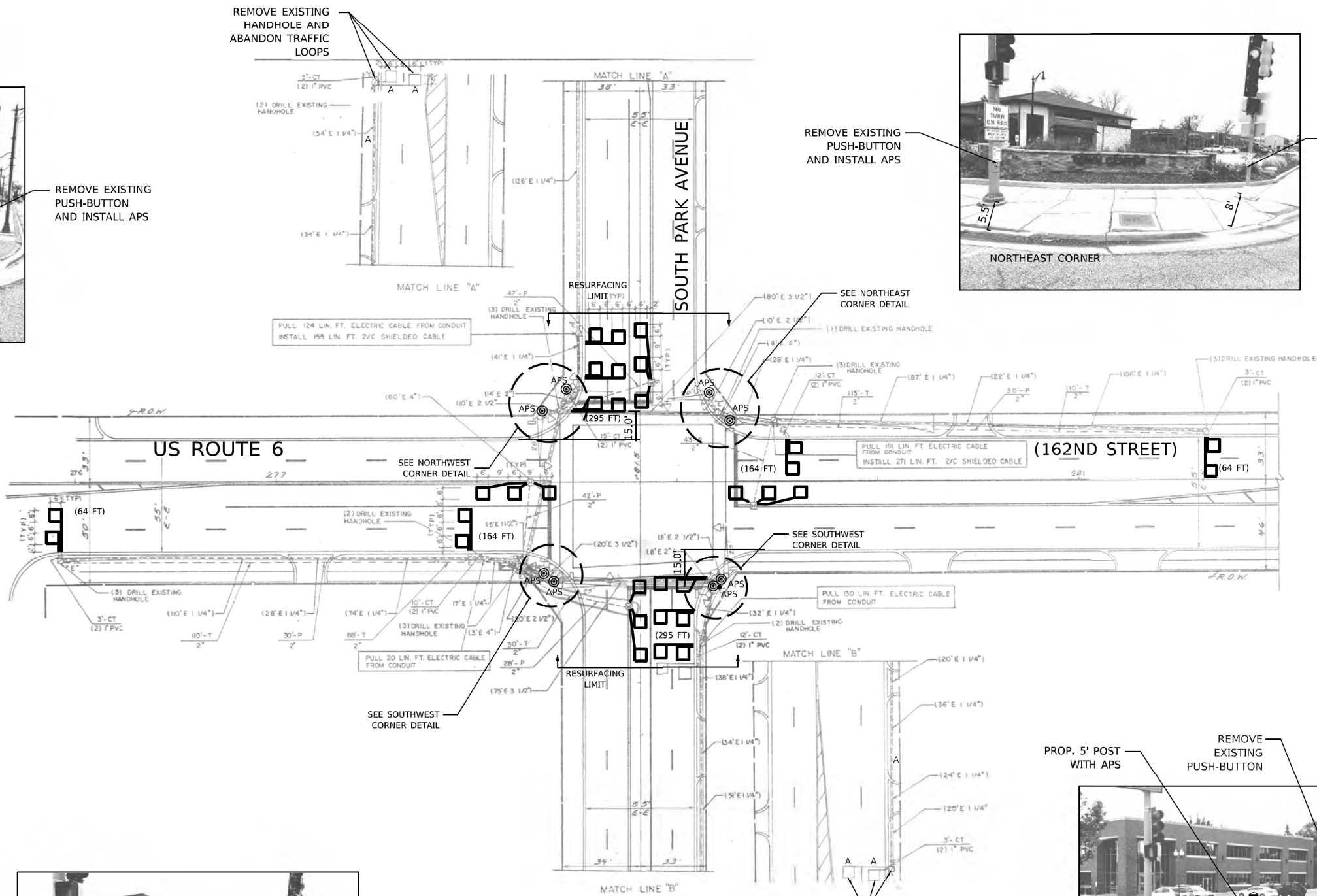
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

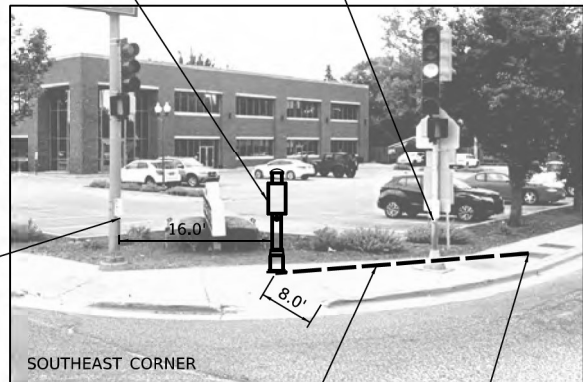
STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS

REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS



PROP. 5' POST
WITH APS

REMOVE
EXISTING
PUSH-BUTTON

REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS

17'-UC-2" DRILL EXISTING
HANDHOLE

NOTE:

1. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.

MODEL SHOWN FOR ILLUSTRATION PURPOSES ONLY

DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME =	SUSERS	DESIGNED -	MA	REVISED -	
DRAWN -	NS	REVISIONS			
PLOT SCALE =	5 SCALES	CHECKED -	MA	REVISED -	
PLOT DATE =	5 DATES	DATE -	09/26/2023	REVISED -	SREV4_DA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

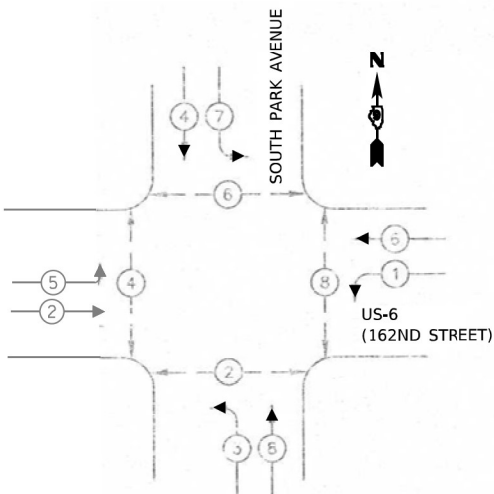
APS AND DETECTOR LOOPS INSTALLATION PLAN
US RTE 6 (162ND ST) AND SOUTH PARK AVE

SCALE: SHEET 5 SHT D 102 15 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	51
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS 290
ECON 56

EXISTING CONTROLLER
SEQUENCE



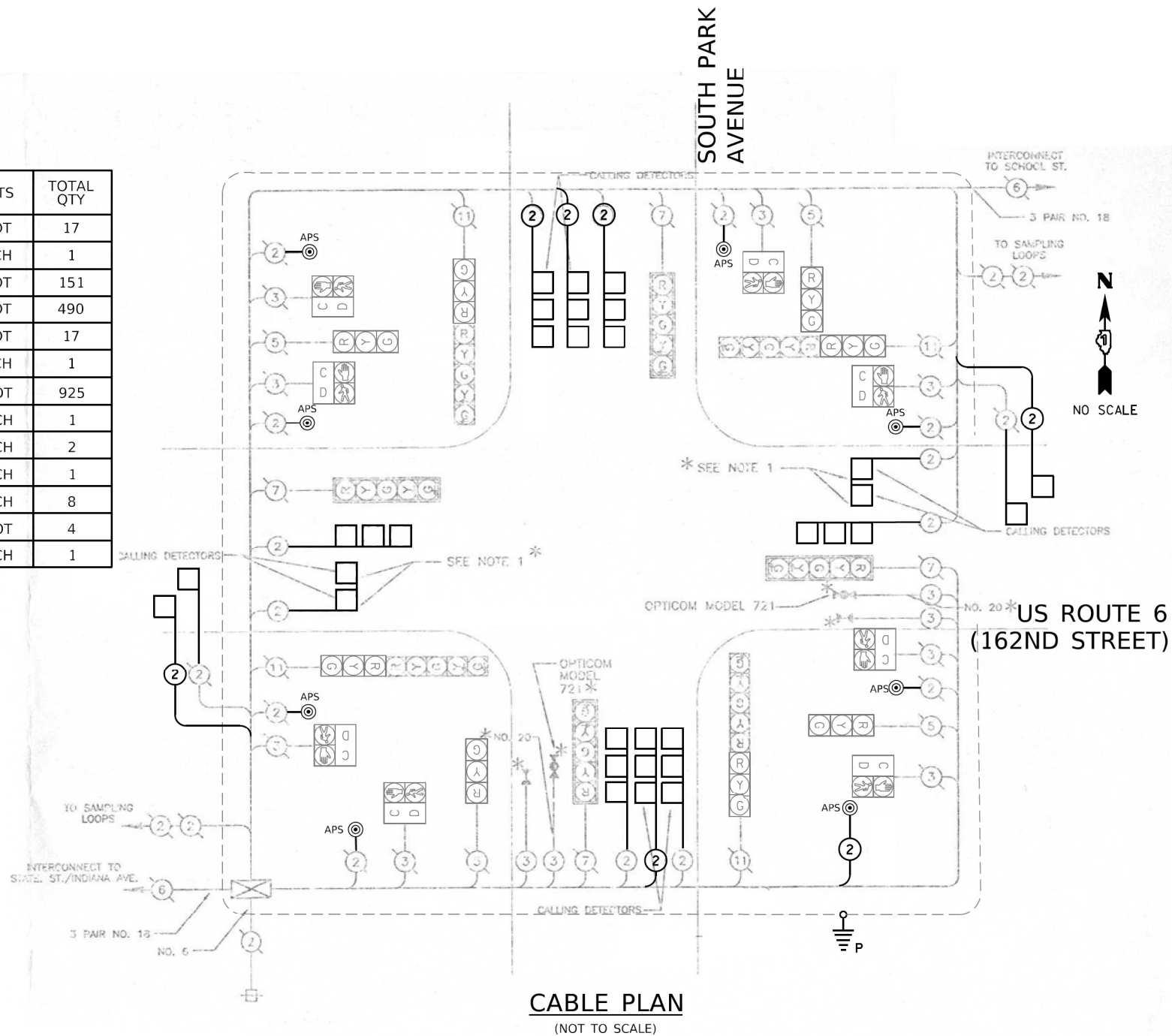
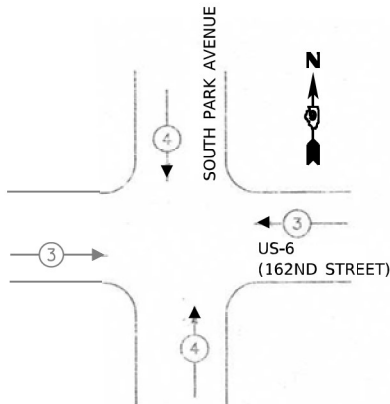
LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	17
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	151
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	490
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	17
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	925
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE LEVEL 1	EACH	1

EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

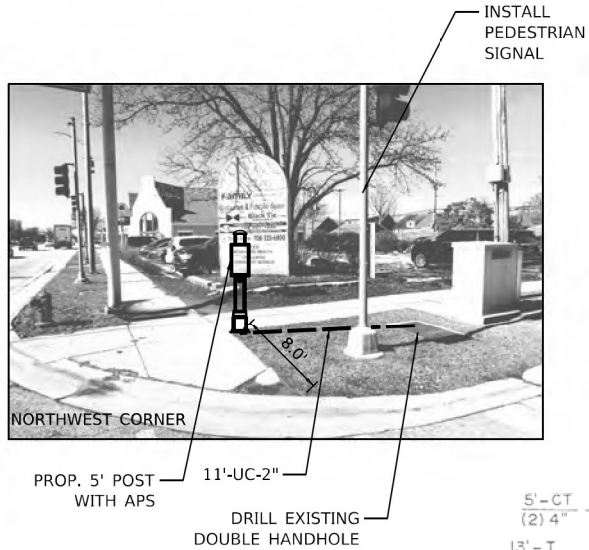
LOCATION: US ROUTE 6 (IL 159) AT SOUTH PARK AVENUE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	-	5	1.00	-
PED. SIGNAL	8	25	1.00	200.00
12" SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.05	20.00
(GREEN)	16	15	0.45	108.00
(ARROW)	16	12	0.10	19.2
ILLUMINATED LED STREET NAME SIGN, 6'	-	108	0.40	-
ILLUMINATED LED STREET NAME SIGN, 8'	-	144	0.40	-
VIDEO DETECTION	-	25	1.00	-
HEATER	-	200	0.30	-
TOTAL =				583.20
ENERGY COSTS TO: VILLAGE OF SOUTH HOLLAND				
ENERGY SUPPLY CONTACT: GREG TRIEMSTRA PHONE: (708)235-2331 COMPANY: ComEd				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (162ND ST) AND SOUTH PARK AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	51A
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS 290
ECON 56



REMOVAL AND RELOCATION NOTES:

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

4 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

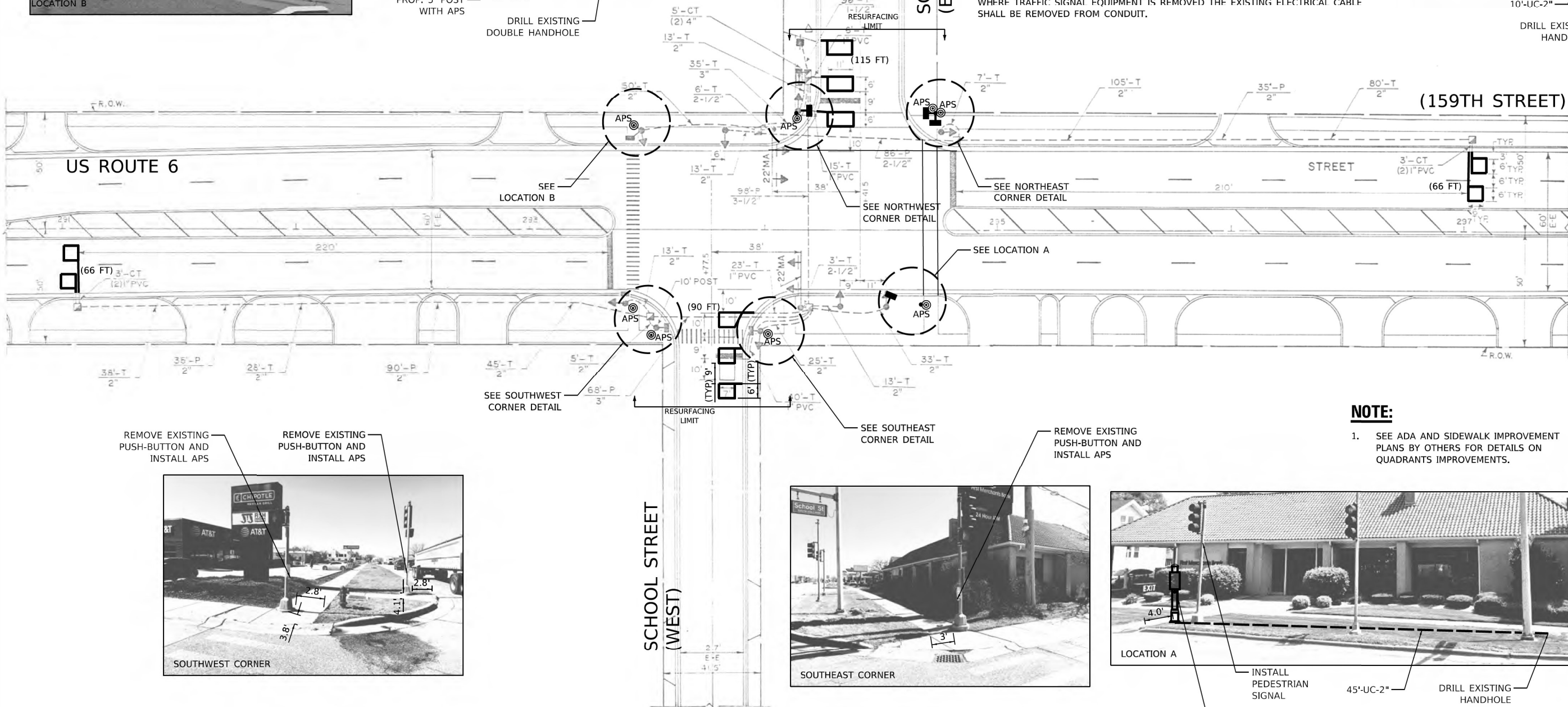
CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

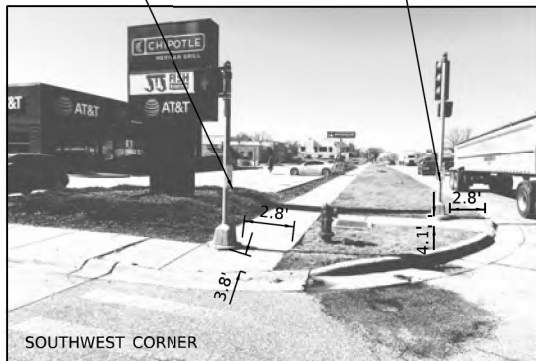
STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

PROP. 10' POST WITH 2 PED SIGNAL AND 2 APS

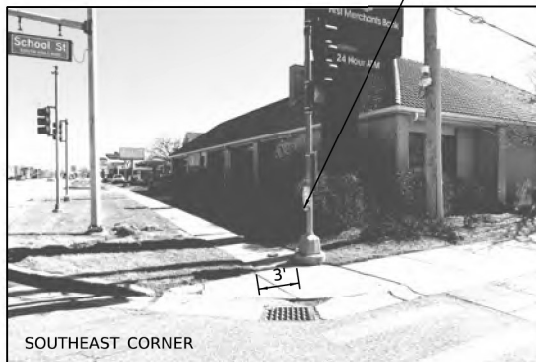


REMOVE EXISTING PUSH-BUTTON AND INSTALL APS



REMOVE EXISTING PUSH-BUTTON AND INSTALL APS

SEE SOUTHEAST CORNER DETAIL



REMOVE EXISTING PUSH-BUTTON AND INSTALL APS



NOTE:

1. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.

MODEL SHOWN FOR ILLUSTRATION PURPOSES ONLY

DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME	= SUSER5
DESIGNED	- MA
DRAWN	- NS
PLOT SCALE	= \$SCALES
PLOT DATE	= \$DATES
CHECKED	- MA
DATE	- 09/26/2023
REVISED	- \$REV4_DA

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

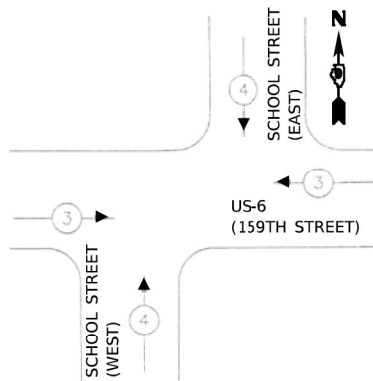
APS AND DETECTOR LOOPS INSTALLATION PLAN
US RTE 6 (159TH ST) AND SCHOOL ST

SCALE: SHEET \$SHT_D 102 159TH ST AND SCHOOL ST 056 S TOT TO STA.

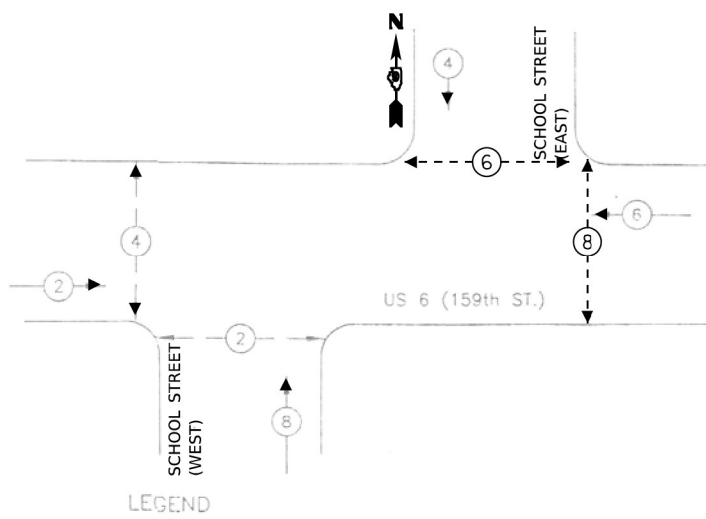
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	52
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS285
ECON 56

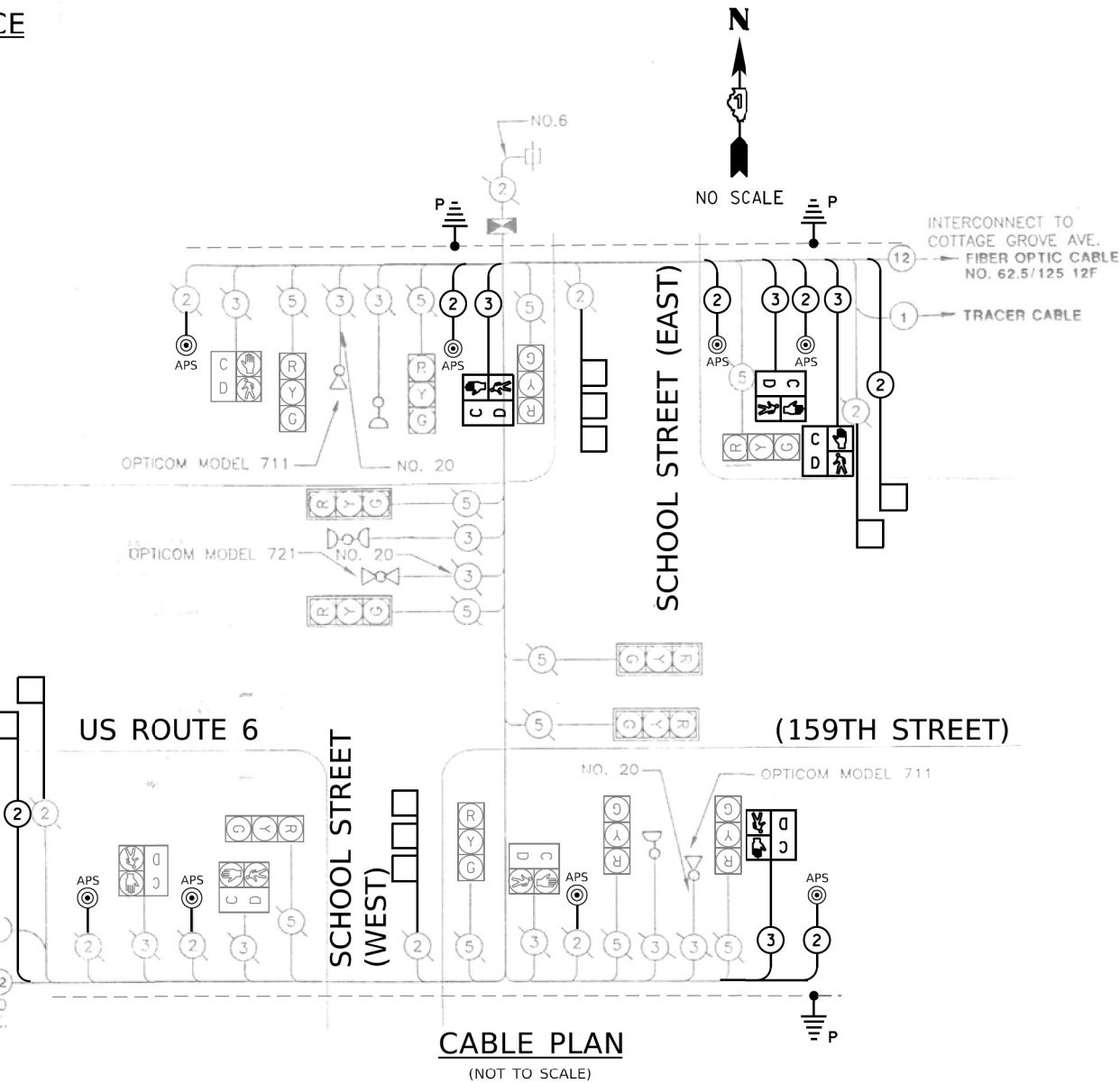
EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



EXISTING CONTROLLER SEQUENCE



- LEGEND
- DUAL ENTRY PHASE
 - PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	66
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	830
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	475
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	480
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	340
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE LEVEL 1	EACH	1

LOCATION: US ROUTE 6 (IL 159) AT SCHOOL STREET COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	-	5	1.00	-
PED. SIGNAL	8	25	1.00	200.00
12" SIGNAL (RED)	12	17	0.50	102.00
(YELLOW)	12	25	0.05	15.00
(GREEN)	12	15	0.45	81.00
(ARROW)	-	12	0.10	-
ILLUMINATED LED STREET NAME SIGN, 6'	-	108	0.40	-
ILLUMINATED LED STREET NAME SIGN, 8'	-	144	0.40	-
VIDEO DETECTION	-	25	1.00	-
HEATER	-	200	0.30	-
TOTAL =				498.00
ENERGY COSTS TO: VILLAGE OF SOUTH HOLLAND				
ENERGY SUPPLY CONTACT: GREG TRIEMSTRA PHONE: (708)235-2331 COMPANY: ComEd				

	DELTA ENGINEERING GROUP, LLC CONSULTING ENGINEERS, ARCHITECTS, SURVEYORS 111 W JACKSON BLVD, SUITE 910 CHICAGO, IL 60604 T 312.377.7700, F 312.427.6145	USER NAME = nsharma	DESIGNED - MA	REVISED -
			DRAWN - NS	REVISED -
		PLOT SCALE = 100,0000' / in.	CHECKED - MA	REVISED -
		PLOT DATE = 10/2/2023	DATE - 09/26/2023	REVISED - SREV4_DA

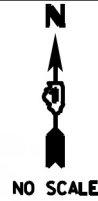
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (159TH ST) AND SCHOOL ST

SCALE: SHEET \$SHT_D 102 159TH ST AND SCHOOL ST 057_S_TOT TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	52A
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS285
ECON 56



REMOVAL AND RELOCATION NOTES:

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

8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

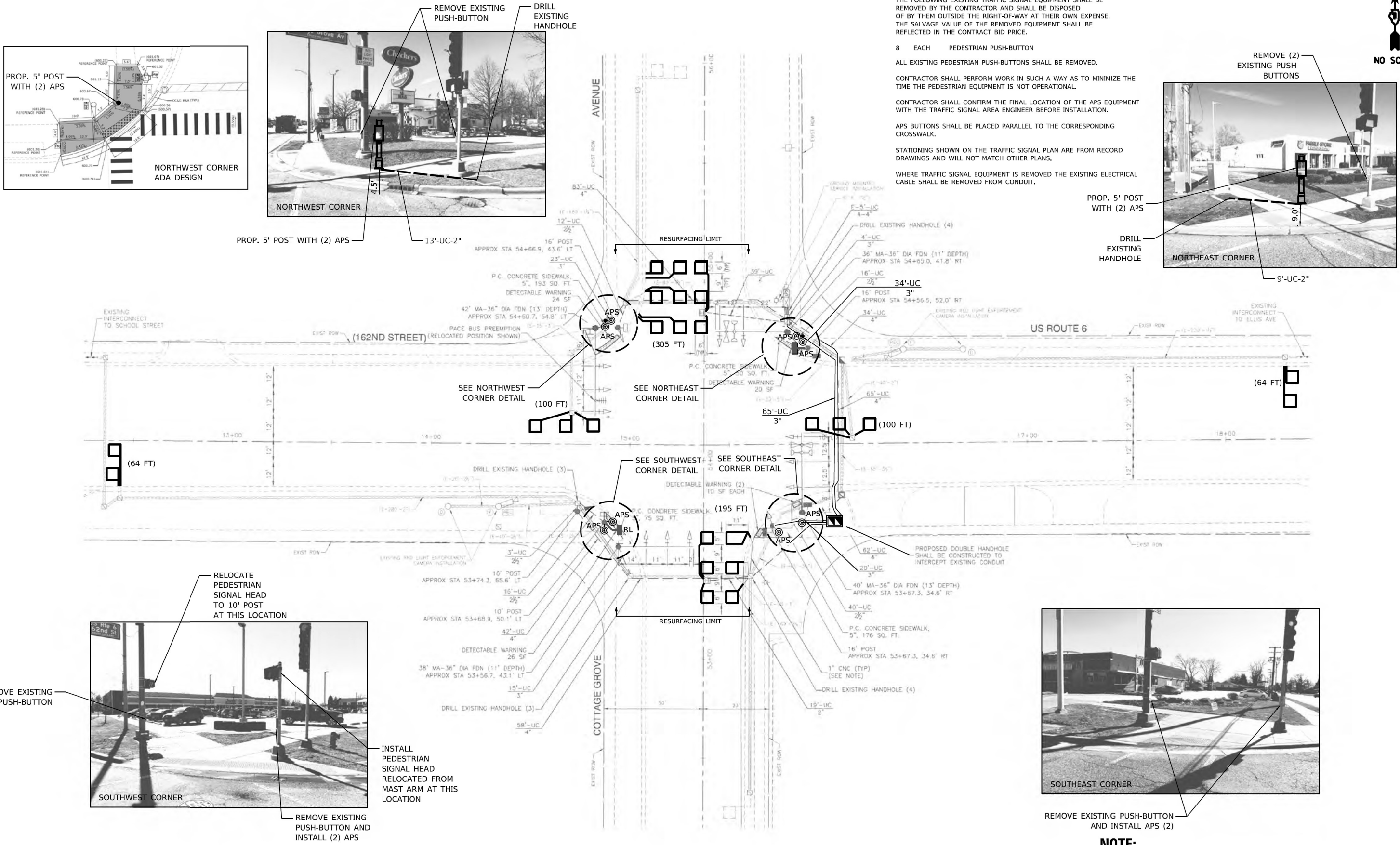
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



NOTE:

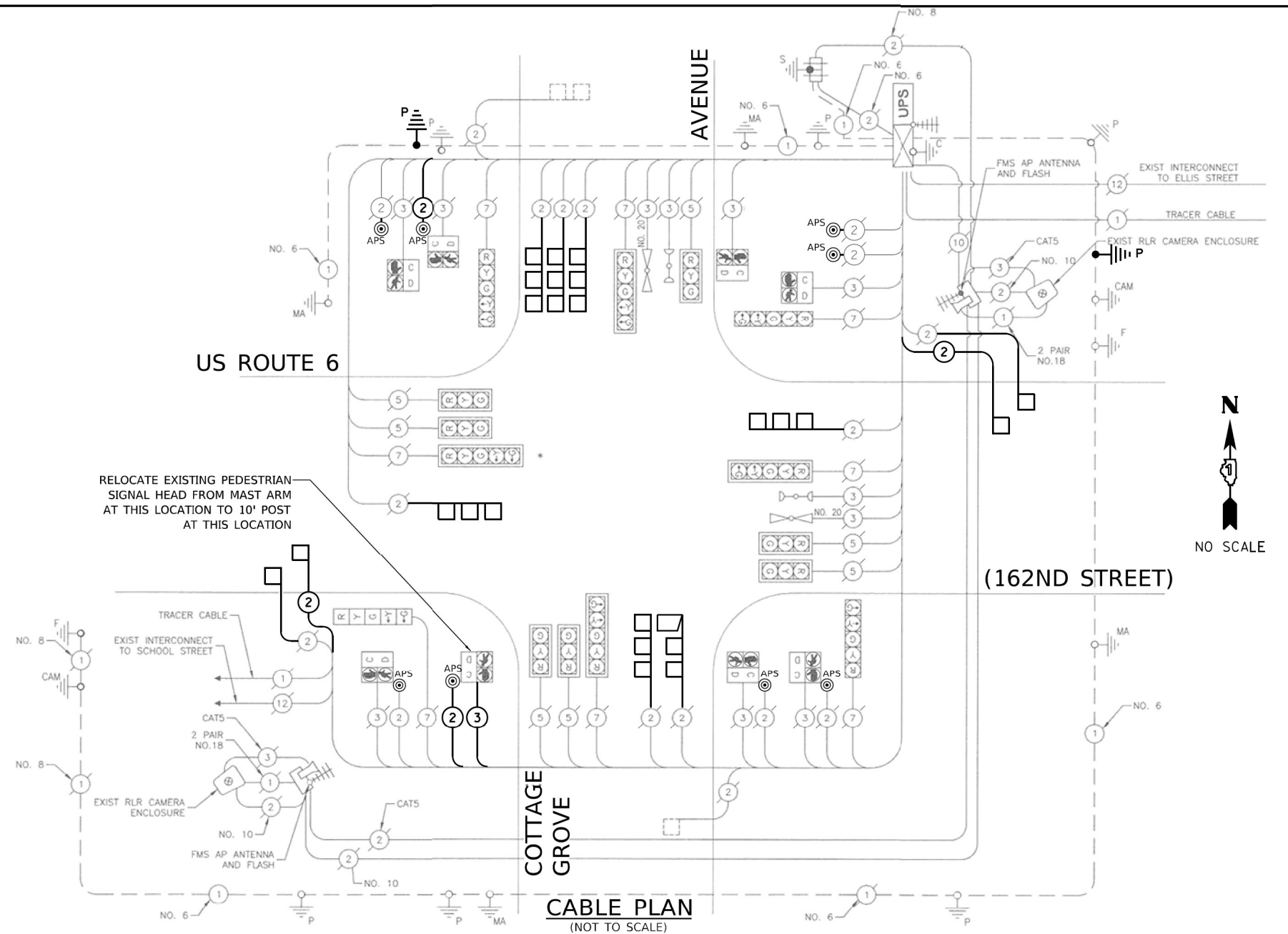
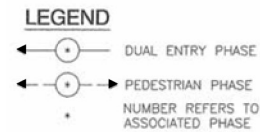
- 1. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.

TS 210
ECON 56

MODEL SHOWN AREAS
FILE NAMES: STILES

	DELTA ENGINEERING GROUP, LLC CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS 111 W JACKSON BLVD, SUITE 910 CHICAGO, IL 60604 T 312.377.7700, F 312.427.6145	USER NAME = \$USERS	DESIGNED - MA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	APS AND DETECTOR LOOPS INSTALLATION PLAN US RTE 6 (162ND ST) AT COTTAGE GROVE AV		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - NS	REVISED -					0351 22 RS	COOK	73	53
		PLOT SCALE = \$SCALES	CHECKED - MA	REVISED -				CONTRACT NO. 62T57				
		PLOT DATE = \$DATES	DATE = 09/26/2023	REVISED = \$REV4 DA				ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET \$SHT_ID_01554-SH-SHEETS \$SHTS-01554-058 S TOT TO STA.					

The diagram shows a four-way intersection of US Route 6 and Cottage Grove Avenue. A north arrow is located in the top left corner. The intersection is labeled 'US ROUTE 6' and '(162ND STREET)'. The traffic signals are numbered as follows: 1 (left turn, eastbound), 2 (left turn, westbound), 3 (left turn, southbound), 4 (left turn, northbound), 5 (left turn, eastbound), 6 (left turn, westbound), 7 (left turn, northbound), and 8 (left turn, southbound). The signals are arranged in a circular pattern around the intersection.




CABLE PLAN
(NOT TO SCALE)

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	975
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	415
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	310
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	830
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	175
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE LEVEL 1	EACH	1

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	975
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	415
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	310
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	830
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	175
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE LEVEL 1	EACH	1

TS 210
ECON 56

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE LED	%OPERATION	
SIGNAL (RED)	15	17	0.50	128
(YELLOW)	15	25	0.25	94
(GREEN)	15	15	0.25	56.25
PERMISSIVE ARROW	16	12	0.10	19.2
PED. SIGNAL	8	25	1.00	200
CONTROLLER	1	100	1.00	100
UPS	1	25	1.00	25
VIDEO SYSTEM	0	15	1.00	0
ILLUM. SIGN	0	25	0.05	0
FLASHER	—	—	0.50	—
ENERGY COSTS TO: TOTAL =				621.7
IDOT DISTRICT 1 201 WEST CENTER COURT Schaumburg, IL 60196-1096				
ENERGY SUPPLY CONTACT: BRAD SHINABARGER PHONE: (708)325-2692 COMPANY: COMMONWEALTH EDISON				
 DELTA ENGINEERING GROUP, LLC CONSULTING ENGINEERS, ARCHITECTS, CONSTRUCTION MANAGERS, SURVEYORS 1111 W JACKSON BLVD, SUITE 910 CHICAGO, IL 60604 T 312.377.7706, F 312.427.6145				USER NAME = nsharma PLOT SCALE = 100,0000' / 1in. PLOT DATE = 10/2/2023

USER NAME = nsharma	DESIGNED - MA	REVISED -
	DRAWN - NS	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MA	REVISED -
PLOT DATE = 10/2/2023	DATE - 09/26/2023	REVISED - \$REV4 DA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
IL RTE 6 (162ND ST) AT COTTAGE GROVE AVE

SCALE:	SHEET 102 OF 102	SHEET 19 OF 19	507548-01-059 S TOT TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	53A
		CONTRACT NO. 62T57		
		ILLINOIS	FED. AID PROJECT	

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

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

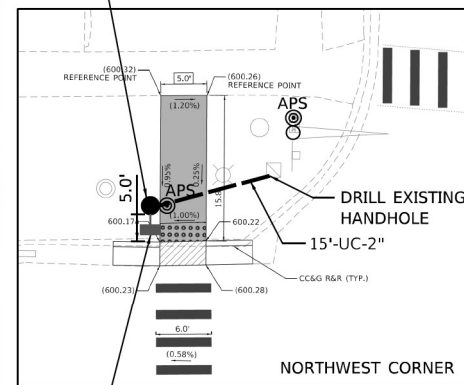
STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD
DRAWINGS AND WILL NOT MATCH OTHER PLANS.

LOCATION A

INSTALL APS
FOR CROSSWALK
TO SOUTHWEST
RAMP

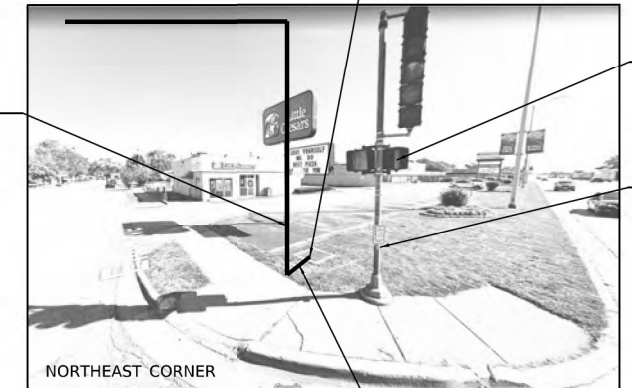
RELOCATED PEDESTRIAN
SIGNAL HEAD FROM NE
LOCATION

PROP. 10' PED
POST WITH APS



ELLIS AVENUE

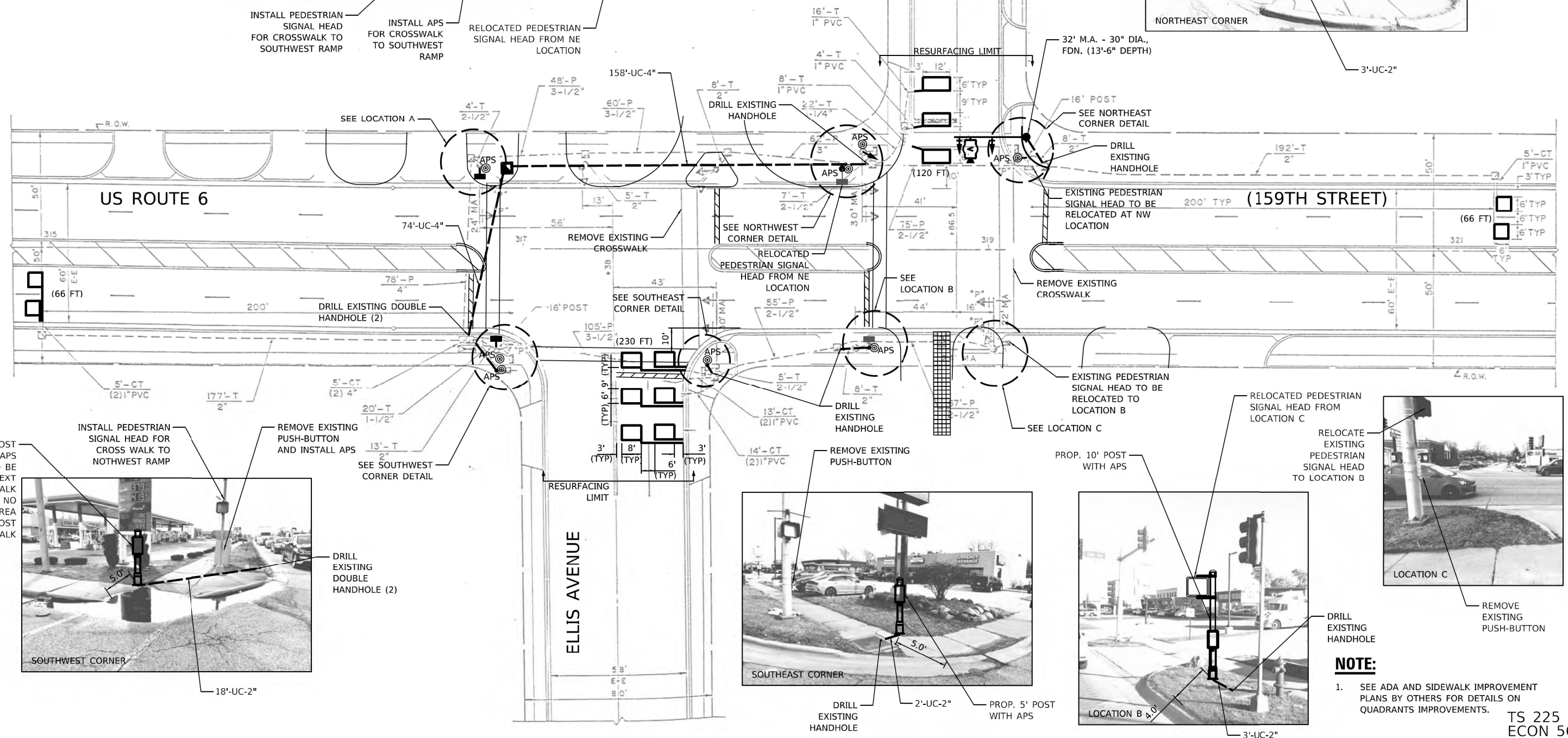
PROPOSED 32'
MAST ARM



— DRILL
EXISTING
HANDHOLE

- RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD TO NW CORNER

• REMOVE EXISTING
PUSH-BUTTON
AND INSTALL APS



NOTE:

1. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.

TS 225
ECON 56

REUSE REMOVED EXISTING CABLE FROM NE LOCATION PEDESTRIAN SIGNAL HEAD

REMOVE EXISTING CABLE FROM PEDESTRIAN SIGNAL HEAD AND REUSE/ PULL FOR THE RELOCATED PEDESTRIAN SIGNAL HEAD AT NW LOCATION

NO SCALE

3 PAIR NO.18

INTERCONNECT TO WOODLAWN AVE.

ELLIS AVENUE

TO BE RELOCATED AT NW LOCATION

OPTICOM MODEL 511

NO. 20

RELOCATED PED. SIGNAL FROM NE LOCATION

OPTICOM MODEL 521

NO. 20

RELOCATED PED. SIGNAL FROM LOCATION C

NO. 20

OPTICOM MODEL 511*

TO BE RELOCATED TO LOCATION B

US ROUTE 6

ELLIS AVENUE

3 PAIR NO.18

INTERCONNECT TO COTTAGE GROVE AVE.

NO. 6

ROTATE SIGNAL HEAD AS SHOWN

CABLE PLAN (NOT TO SCALE)

REUSE REMOVED EXISTING CABLES FROM LOCATION C PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON

PUSH BUTTON TO BE REMOVED

REMOVE EXISTING CABLES FROM PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON AND REUSE/ PULL FOR THE RELOCATED PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON AT LOCATION B

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODERNIZATION CABLE PLAN US RTE 6 (159TH ST) AT ELLIS AV		
DATE	CHANGED / REVISION DESCRIPTION	CONTINUATION NO. & REF. TO PLAN
01/20/2023	ISSUED FOR CONSTRUCTION	1 OF 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	54A
		CONTRACT NO. 62T57		
ILLINOIS		FED. AID PROJECT		

TS 225
ECON 56

PROPOSED SEQUENCE OF OPERATION

MOVEMENT													FLASH															
PHASE	2 + 6												3								4							
INTERVAL	1	2	3A	3B	3C	3D	4A	4B	4C	4D	5	6	7A	7B	7C	7D	8A	8B	9	10	11A	11B						
CHANGE TO			3				4						4				2 + 6				2 + 6							
ELLIS AVE WEST ALL SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R					
ELLIS AVE EAST ALL SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	Y	R	R	R	R	R					
ELLIS AVE EAST ALL SIGNALS	SB	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	Y	R	R	R	R	R					
US 6 AT EAST INTERSECTION FAR LEFT AND LEFT MAST ARM SIGNALS	EB	G	G	G	G	Y	R	G	G	G	G	R	R	R	R	R	R	R	<u>G</u>	<u>G</u>	<u>G</u>	Y	G	R				
US 6 AT EAST INTERSECTION RIGHT MAST ARM SIGNALS	EB	G	G	G	G	Y	R	G	G	G	G	R	R	R	R	R	R	R	G	G	G	G	R					
US 6 AT EAST INTERSECTION ALL SIGNALS	EB	G	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
US 6 AT WEST INTERSECTION ALL SIGNALS	WB	G	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
US 6 AT WEST INTERSECTION FAR LEFT AND LEFT MAST ARM SIGNALS	WB	G	G	G	G	G	G	G	Y	R	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	Y	R	<u>G</u>	G	R	R	R	R	R					
US 6 AT WEST INTERSECTION RIGHT MAST ARM SIGNALS	WB	G	G	G	G	G	G	G	Y	R	G	G	G	G	Y	R	G	G	R	R	R	R	R					
PED SIGNALS CROSSING ELLIS AVE AT WEST INTERSECTION (PH 2 PED)	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK					
PED SIGNALS CROSSING US 6 AT EAST INTERSECTION (PH 3 PED)	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	DARK					
PED SIGNALS CROSSING US 6 AT WEST INTERSECTION (PH 4 PED)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	DARK					
PED SIGNALS CROSSING ELLIS AVE AT EAST INTERSECTION (PH 6 PED)	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK					

PHASE 2 + 6 SHALL BE PLACED ON RECALL

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

• TO APPEAR ONLY UPON PUSH BUTTON ACTUATION
•• FLASHING "HAND" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE																																		PREEMPTOR			CLEAR TO NORMAL SEQUENCE		
																																		3	4	5			
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NO.		1											5											9															
EMERGENCY VEHICLE PREEMPTION SEQUENCE INTERVAL NO.		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1V	1W	1X	1Y	1Z	1AA	1AB	1AC	1AD	1AE	1AF	1AG	1AH	1AJ	2	3	4			
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE INTERVAL NO.		2	1C	1D	1E	1F	3	1H	1J	1K	1L	4	1N	1P	1Q	1R	2	3	1V	1W	1X	1Y	4	1AA	1AB	1AC	1AD	2	1AF	1AG	1AH	1AH	3	4					
ELLIS AVE WEST ALL SIGNALS		NB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	Y	R	R	R	G	R	R	G	△	
ELLIS AVE EAST ALL SIGNALS		NB	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	△	
ELLIS AVE EAST ALL SIGNALS		SB	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	△	
US 6 AT EAST INTERSECTION FAR LEFT AND LEFT MAST ARM SIGNALS		EB	G	G	G	G	Y	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>Y</u>	G	<u>G</u>	<u>G</u>	<u>G</u>	Y	R	<u>G</u>	G	R	<u>G</u>	△
US 6 AT EAST INTERSECTION RIGHT MAST ARM SIGNALS		EB	G	G	G	G	Y	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	G	Y	R	G	G	R	G	△	
US 6 AT WEST INTERSECTION ALL SIGNALS		EB	G	G	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	△
US 6 AT EAST INTERSECTION ALL SIGNALS		WB	G	G	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	△
US 6 AT WEST INTERSECTION FAR LEFT AND LEFT MAST ARM SIGNALS		WB	G	G	G	G	G	G	G	G	Y	R	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>Y</u>	G	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	<u>G</u>	R	△
US 6 AT WEST INTERSECTION RIGHT MAST ARM SIGNALS		WB	G	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	△
PED SIGNALS CROSSING ELLIS AVE AT WEST INTERSECTION (PH 2 PED)		**FH	**FH	H	H	H	H	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PED SIGNALS CROSSING US 6 AT EAST INTERSECTION (PH 3 PED)		H	H	H	H	H	H	H	H	H	H	H	**FH	H	H	H	H	**FH	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PED SIGNALS CROSSING US 6 AT WEST INTERSECTION (PH 4 PED)		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	**FH	H	H	H	H	**FH	H	H	H	H	**FH	H	H	H	H	△
PED SIGNALS CROSSING ELLIS AVE AT EAST INTERSECTION (PH 6 PED)		**FH	**FH	H	H	H	H	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△

△ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE PROPER CLEARANCE TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, OR 4 IS TERMINATED.

MODEL Default
FILE NAME G:\2022\0721A IDOT US-6 Detector Loops AP5\03A Design\01 CADD\02 Sheet\APS and Loops Signal Locations\Ellis Avenue\sh-03.dgn

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

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

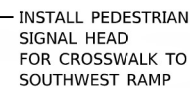
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD
DRAWINGS AND WILL NOT MATCH OTHER PLANS.

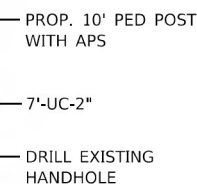
WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



INSTALL APS
FOR CROSSWALK TO
SOUTHWEST RAMP



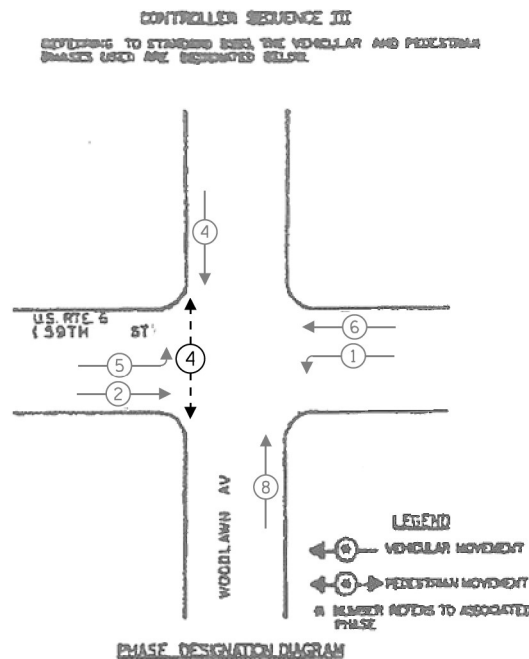
1. TS COMMENTS SHOWN IN RED ARE FROM TRAFFIC SIGNAL MODERNIZATION SHEET PDF DATED 01-23-1985.
2. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.



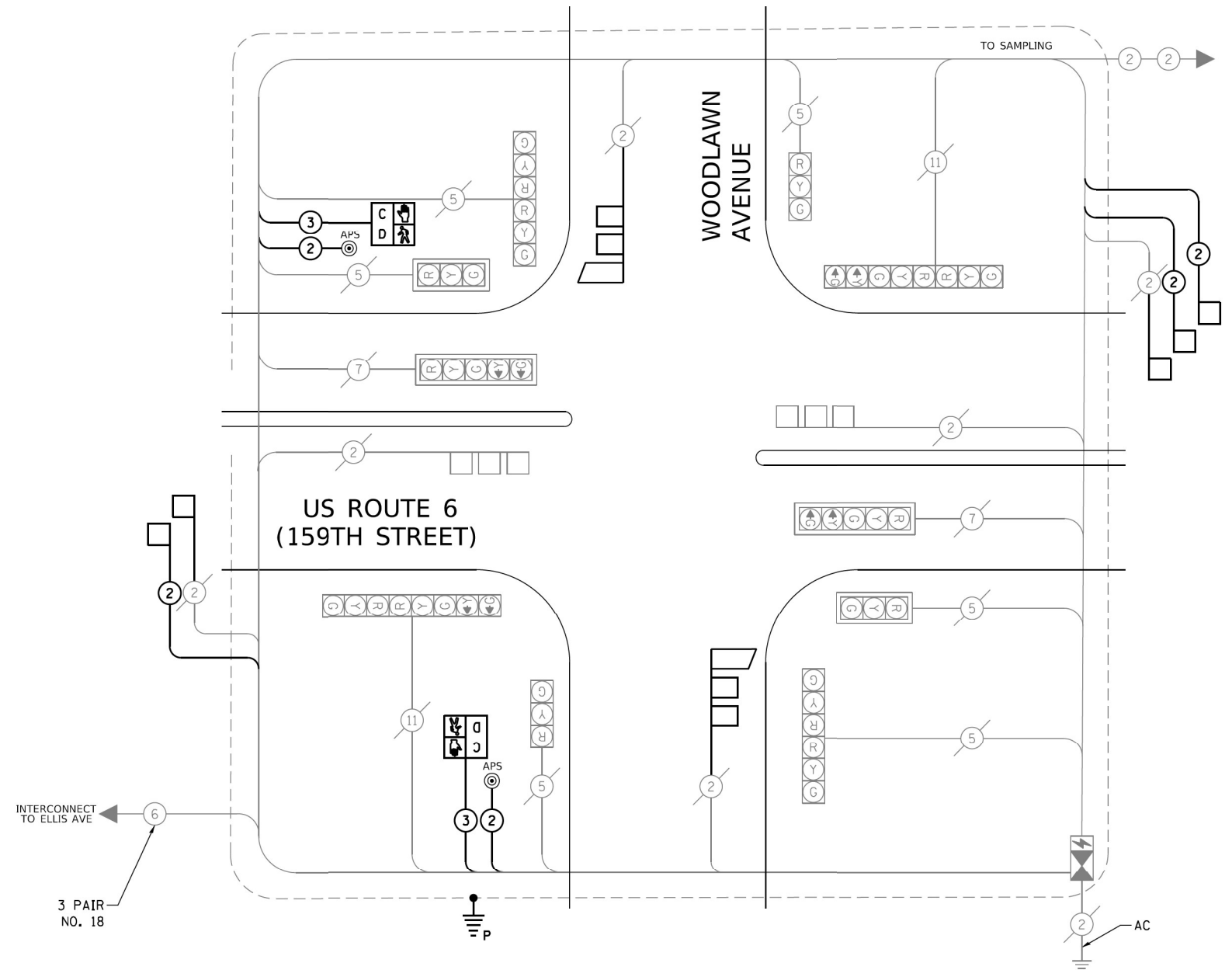
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	55
		CONTRACT NO. 62T57		
ILLINOIS		FED. AID PROJECT		

N
1
NO SCALE

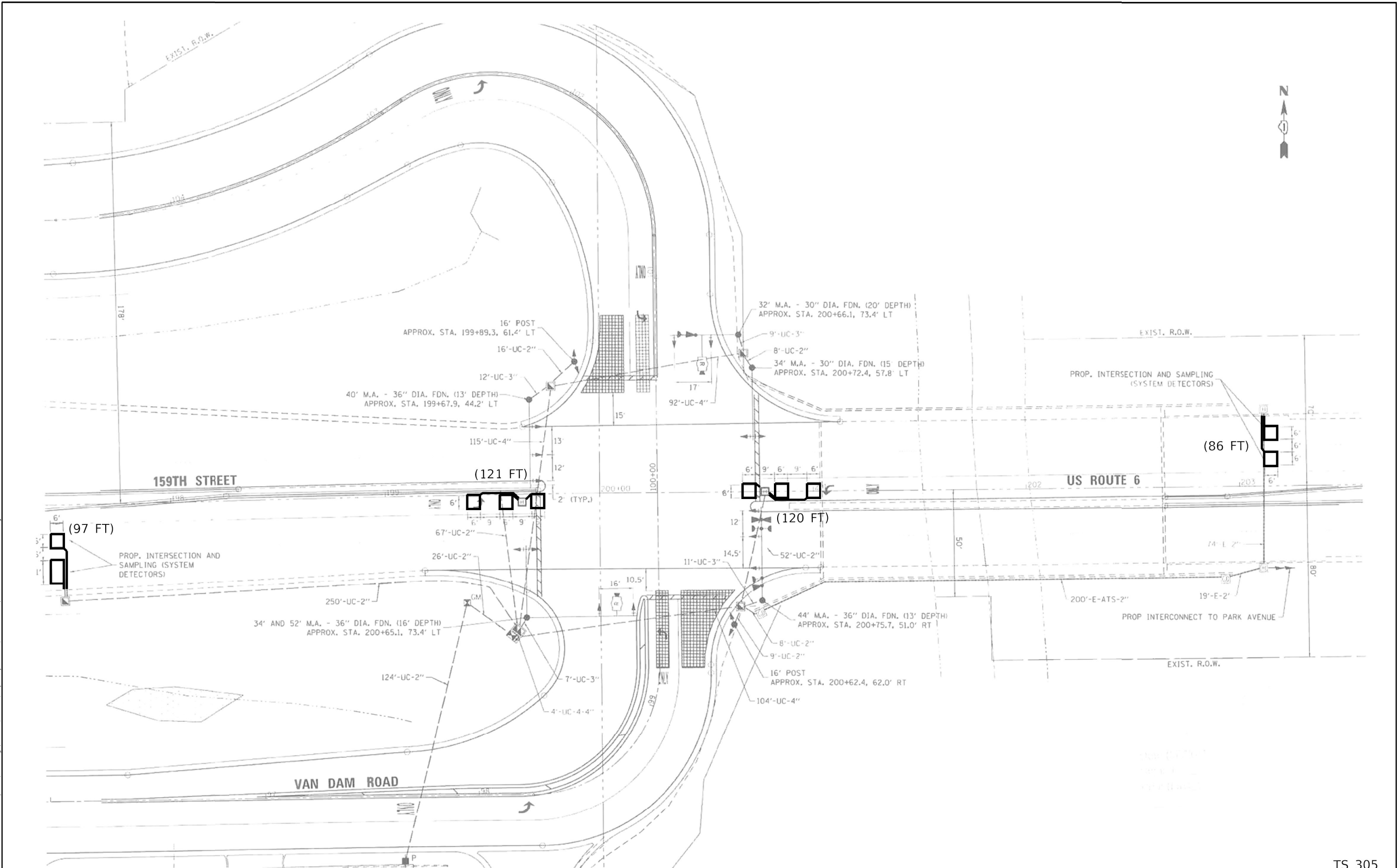
ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	7
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	560
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	380
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	385
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	721
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



LOCATION: US ROUTE 6 (IL 159) AT SOUTH PARK AVENUE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	-	5	1.00	-
PED. SIGNAL	2	25	1.00	50.00
12" SIGNAL (RED)	14	17	0.50	119.00
(YELLOW)	14	25	0.05	17.50
(GREEN)	14	15	0.45	94.50
(ARROW)	8	12	0.10	9.60
ILLUMINATED LED STREET NAME SIGN, 6'	-	108	0.40	-
ILLUMINATED LED STREET NAME SIGN, 8'	-	144	0.40	-
VIDEO DETECTION	-	25	1.00	-
HEATER	-	200	0.30	-
ENERGY COSTS TO:			TOTAL =	390.60
VILLAGE OF SOUTH HOLLAND				
ENERGY SUPPLY CONTACT: GREG TRIEMSTRA				
PHONE: (708)235-2331				
COMPANY: ComEd				



MODEL Default
FILE NAME: G:\2022\0721A IDOT US-6 Detector Loops AP503A Design\01 CADD\02 Sheet\Loops Only\Locations\Van Dam Road\125722\Van Dam Rd-125722.dgn



TS 305
ECON 49

DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME	= nsharma	DESIGNED -	REVISED -
DRAWN -		REVISED -	
PLOT SCALE = 48.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 4/11/2023		DATE -	REVISED - SREV4_DA

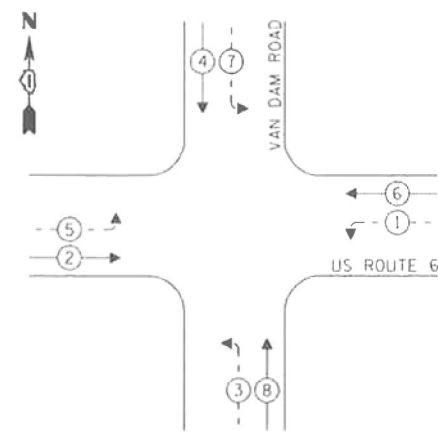
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION PLAN
US RTE 6 (159TH ST) AT VAN DAM RD (1 OF 2)

SCALE: SHEET \$SHT_D 10215722-065_S_TOT TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	56
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

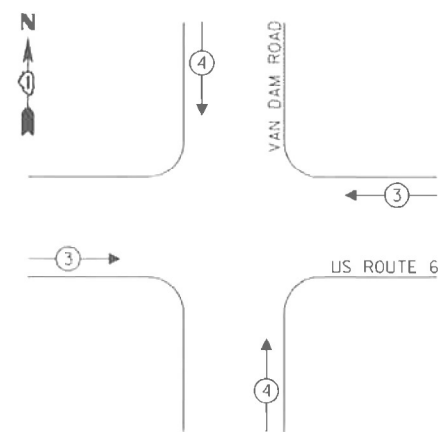
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99
(YELLOW)	18	20	5	18
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	0	150	100	0.0
BLANK-OUT SIGN	0	25	5	0.0
FLASHER	0	-	50	-
STREET NAME SIGN	4	120	50	240
LUMINAIRE	0	-	-	-
			TOTAL =	595.2

ENERGY COSTS TO:

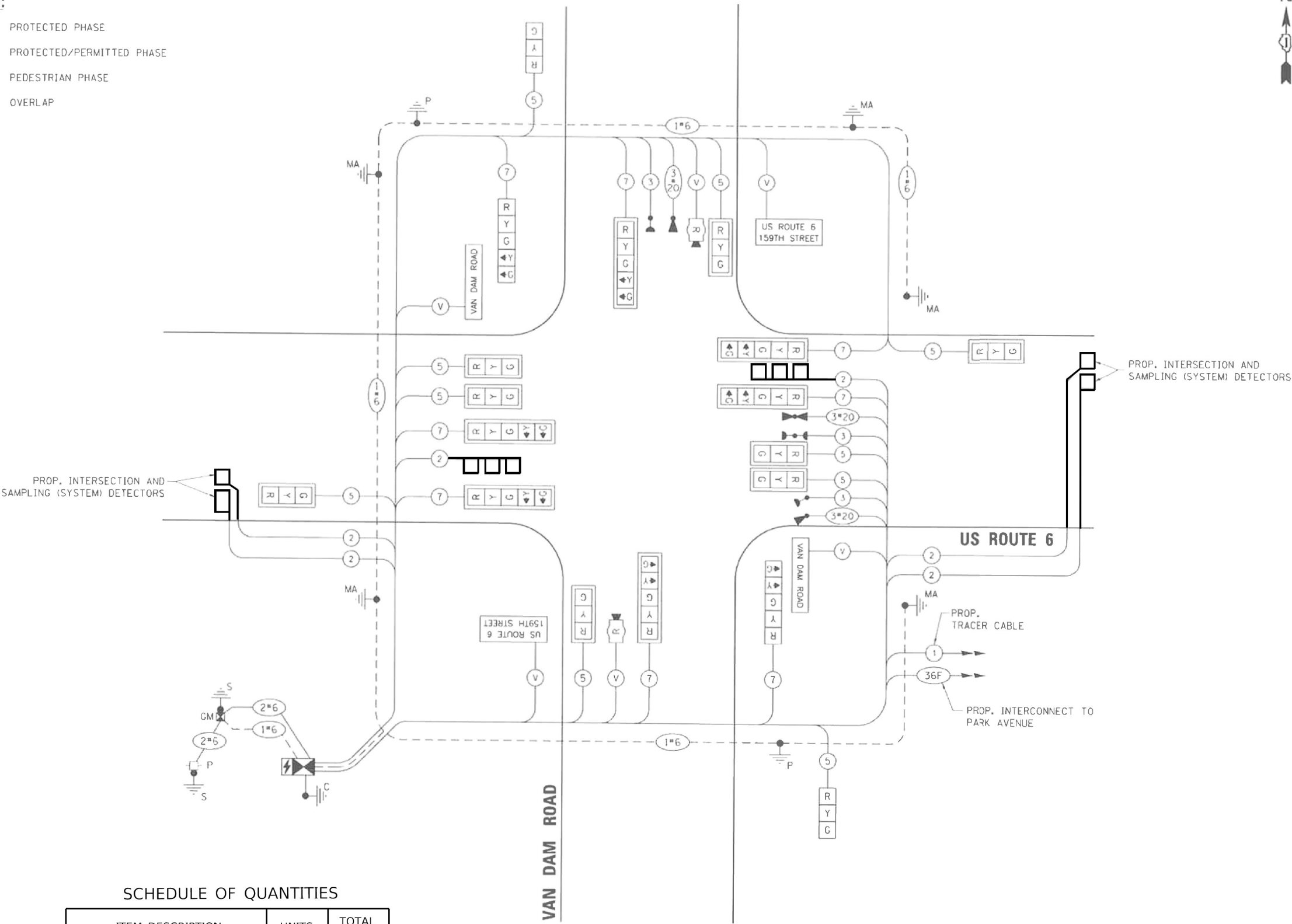
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER CT., SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: LASHAWN LAO
PHONE: (708) 235-2346
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	424

CABLE PLAN
(NOT TO SCALE)



MODEL Default
FILE NAME: G:\2022\0721A IDOT US-6 Detector Loop AP503A Design\01 CADD\02 Sheet\Loops Only\Locations\Van Dam Road\125722\Van Dam Rd-sh-02.dgn

REMOVAL AND RELOCATION NOTES:

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

8 EACH SIGNAL HEAD

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

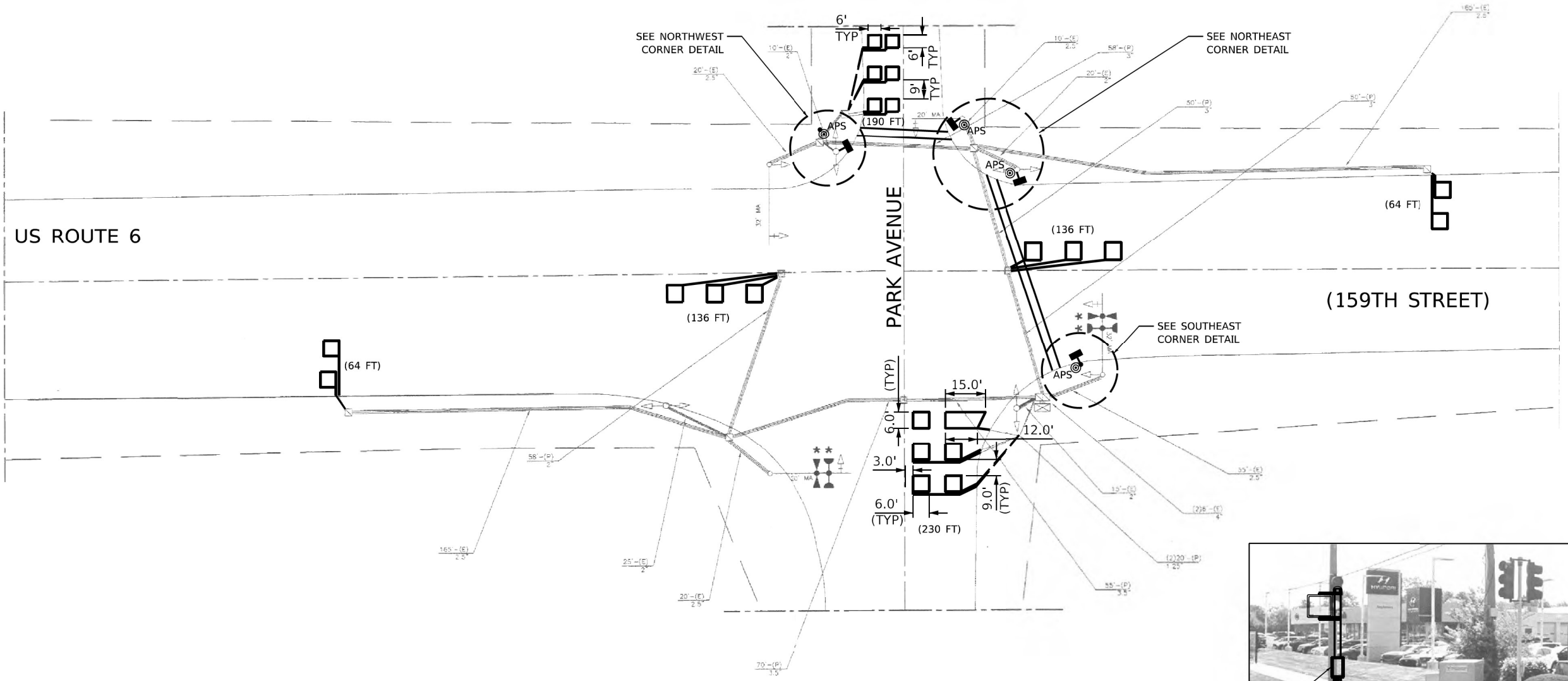
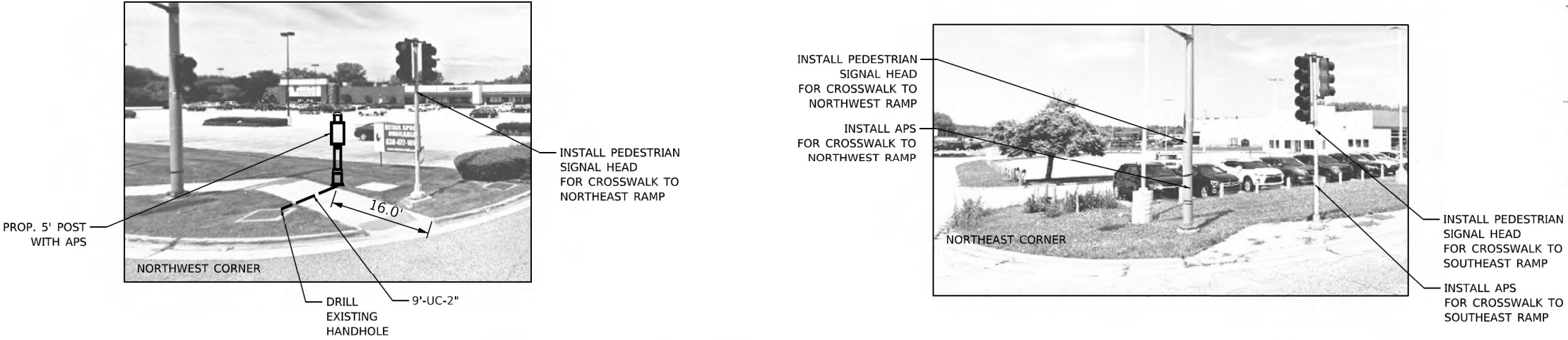
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

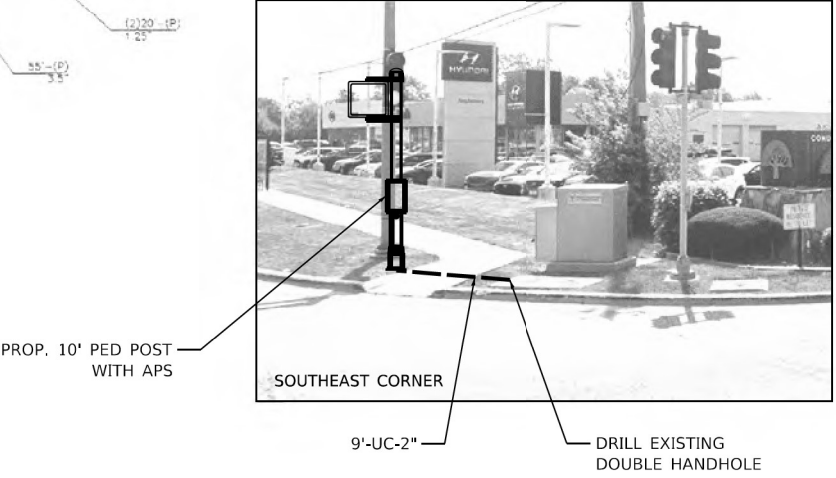
STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



NOTE:

1. SEE ADA AND SIDEWALK IMPROVEMENT PLANS BY OTHERS FOR DETAILS ON QUADRANTS IMPROVEMENTS.



MODEL: SHODENAMES
FILE: NAME: STILES

DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME = \$USERS	DESIGNED - MA	REVISED -
DRAWN - NS	REVIS	REVIS
PLOT SCALE = \$SCALES	CHECKED - MA	REVIS
PLOT DATE = \$DATES	DATE - 09/26/2023	REVISED - \$REV4_DA

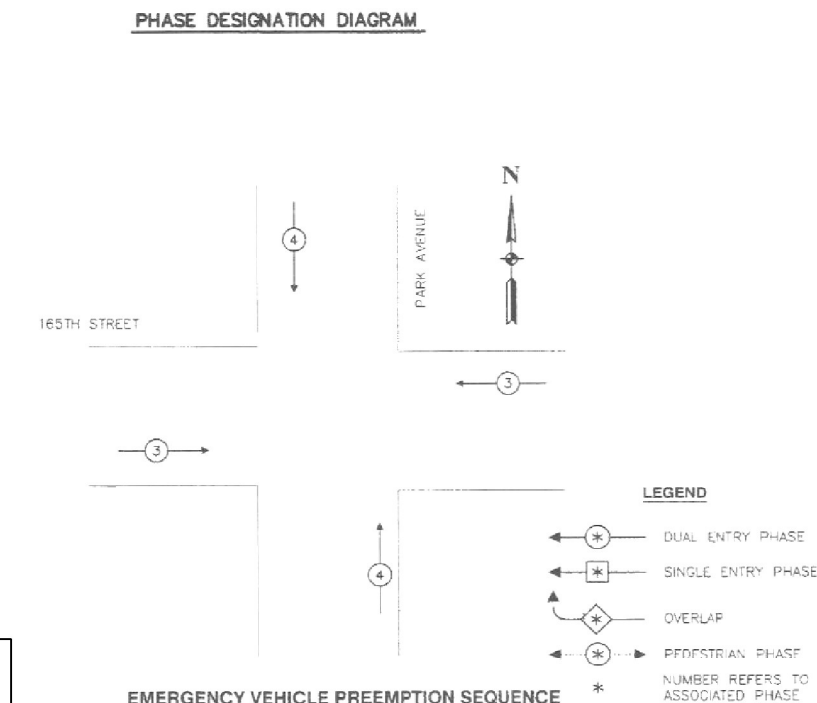
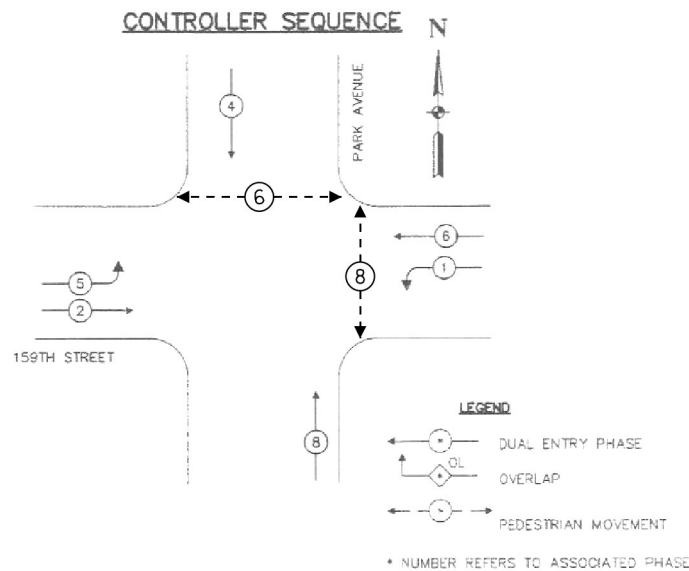
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
US RTE 6 (159TH ST) AT PARK AVE

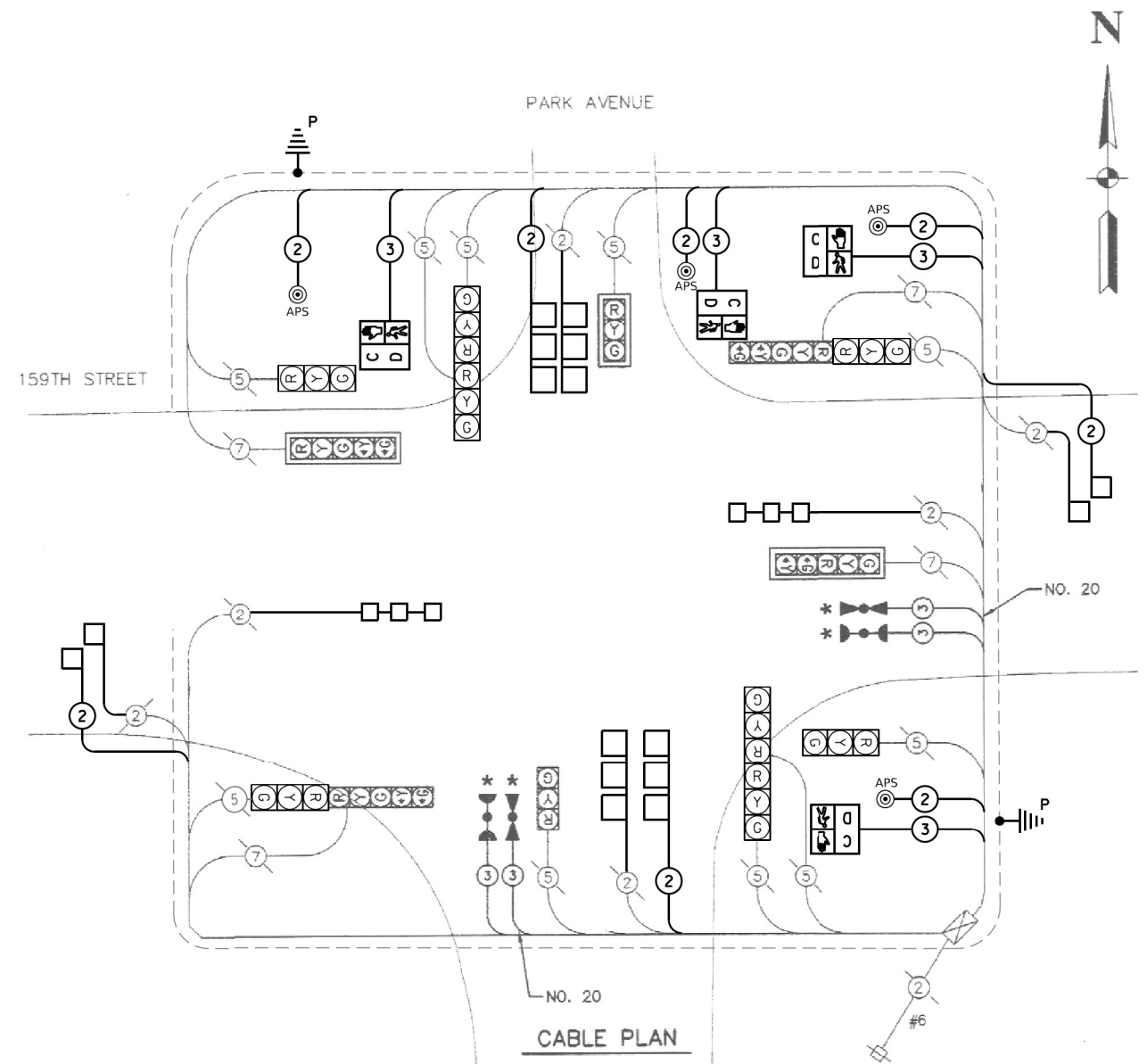
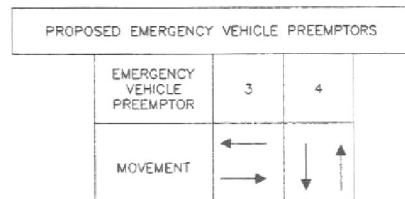
SCALE: SHEET \$SHT_D 102157-SH-SHEETS 61515-067_S TOT TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	57
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS 265
ECON 49



EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	18
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	460
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	470
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	485
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	637
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**LOCATION: US ROUTE 6 (IL 159) AT SOUTH PARK AVENUE
COOK COUNTY
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	-	5	1.00	-
PED. SIGNAL	4	25	1.00	100.00
12" SIGNAL (RED)	13	17	0.50	110.50
(YELLOW)	13	25	0.05	16.25
(GREEN)	13	15	0.45	87.75
(ARROW)	4	12	0.10	4.80
ILLUMINATED LED STREET NAME SIGN, 6'	-	108	0.40	-
ILLUMINATED LED STREET NAME SIGN, 8'	-	144	0.40	-
VIDEO DETECTION	-	25	1.00	-
HEATER	-	200	0.30	-
TOTAL =				419.30

ENERGY COSTS TO:

VILLAGE OF SOUTH HOLLAND

ENERGY SUPPLY CONTACT: GREG TRIEMSTRA
PHONE: (708)235-2331
COMPANY: ComEd

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (159TH ST) AT PARK AVE**

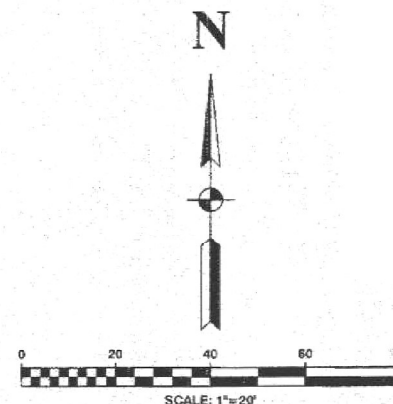
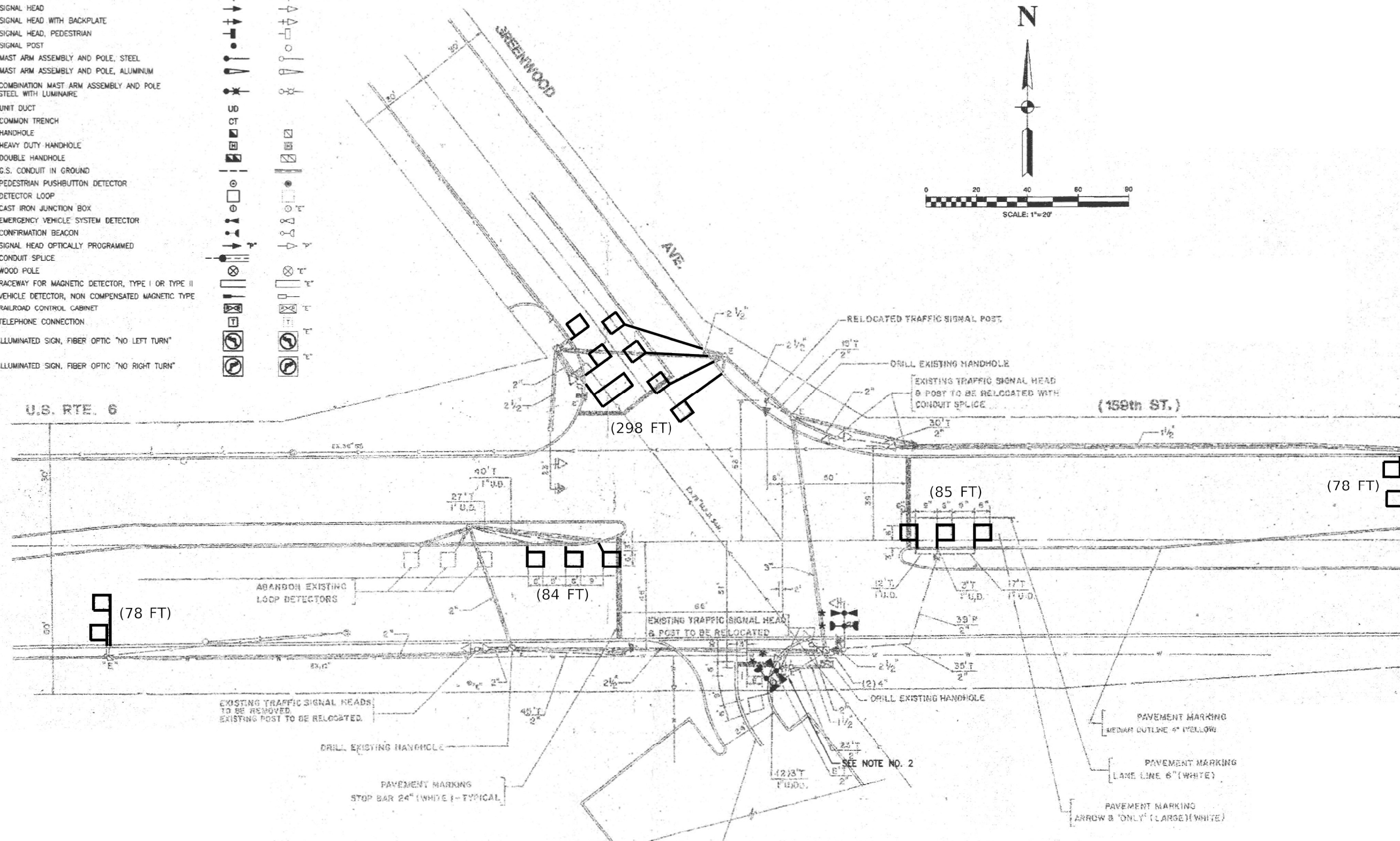
SCALE: SHEET \$SHT_D 102 159TH ST AT PARK AVE 068_S_TOT TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	57A
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS 265
ECON 49

TRAFFIC SIGNAL LEGEND

CONTROLLER
SERVICE INSTALLATION
SIGNAL HEAD
SIGNAL HEAD WITH BACKPLATE
SIGNAL HEAD, PEDESTRIAN
SIGNAL POST
MAST ARM ASSEMBLY AND POLE, STEEL
MAST ARM ASSEMBLY AND POLE, ALUMINUM
COMBINATION MAST ARM ASSEMBLY AND POLE
STEEL WITH LUMINAIRE
UNIT DUCT
COMMON TRENCH
HANDHOLE
HEAVY DUTY HANDHOLE
DOUBLE HANDHOLE
G.S. CONDUIT IN GROUND
PEDESTRIAN PUSHBUTTON DETECTOR
DETECTOR LOOP
CAST IRON JUNCTION BOX
EMERGENCY VEHICLE SYSTEM DETECTOR
CONFIRMATION BEACON
SIGNAL HEAD OPTICALLY PROGRAMMED
CONDUIT SPLICE
WOOD POLE
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
RAILROAD CONTROL CABINET
TELEPHONE CONNECTION
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION PLAN
US RTE 6 (159TH ST) AT GREENWOOD AVE (1 OF 2)

TS230
ECON 49

MODEL Default
FILE NAME: G:\2022\0721A_IDOT US-6 Detector Loop AP503A Design\01 CADD\02 Sheet\Loop Only\Locations\Greenwood Avenue\159th St-Greenwood-sth-01.dgn

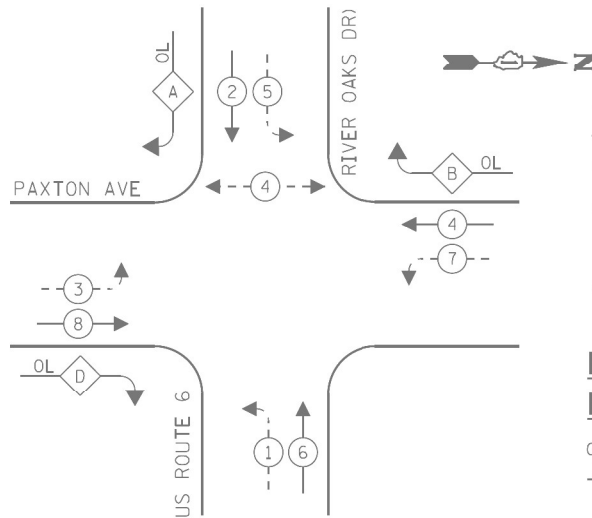
DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME = nsharma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/11/2023	DATE -	REVISED - SREV4_DA

SCALE: SHEET \$SHT_D_102159-5H05SHEETS\$64519-01-069_S_TOT TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	58
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



LEGEND:

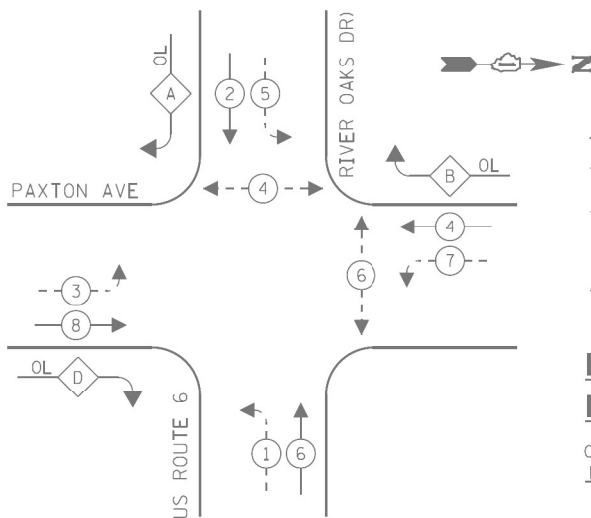
- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
D	8	1

PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
D	8	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

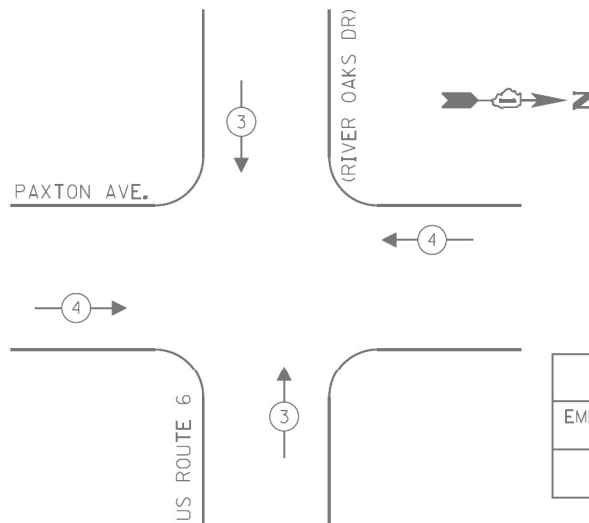
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	17	50	170
(YELLOW)	20	25	25	125
(GREEN)	20	15	25	75
PERMISSIVE ARROW	28	12	10	34
PED. SIGNAL	4	25	100	100
CONTROLLER	1	100	100	100
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				604

ENERGY COSTS TO:

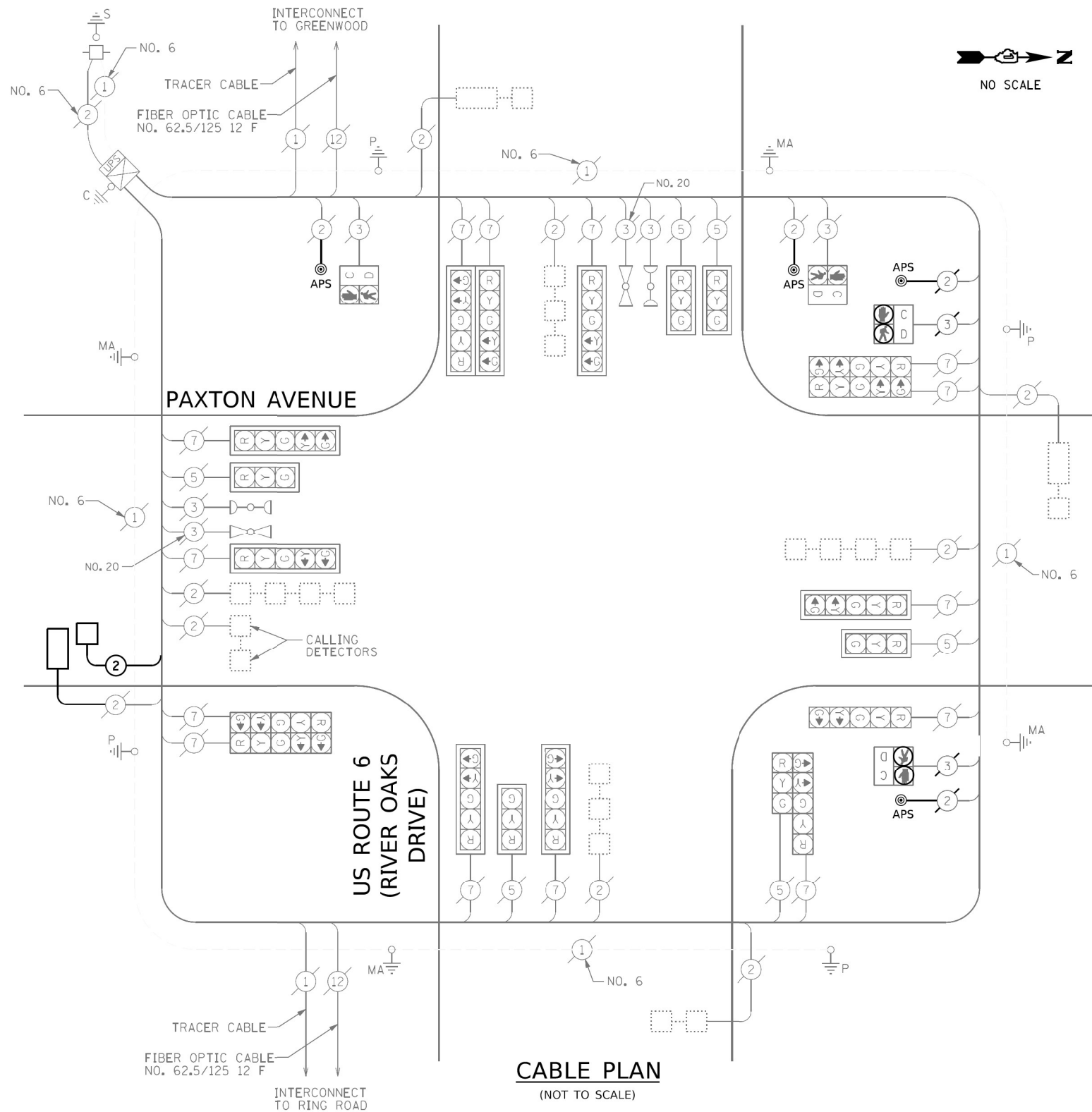
CITY OF CALUMET CITY

ENERGY SUPPLY: CONTACT: GREG TRIEMSTRA
 PHONE: (708) 235-2331
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑↓	→←



CABLE PLAN

(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	230
DETECTOR LOOP TYPE I	FOOT	85
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
RE-OPTIMIZE LEVEL 1	EACH	1

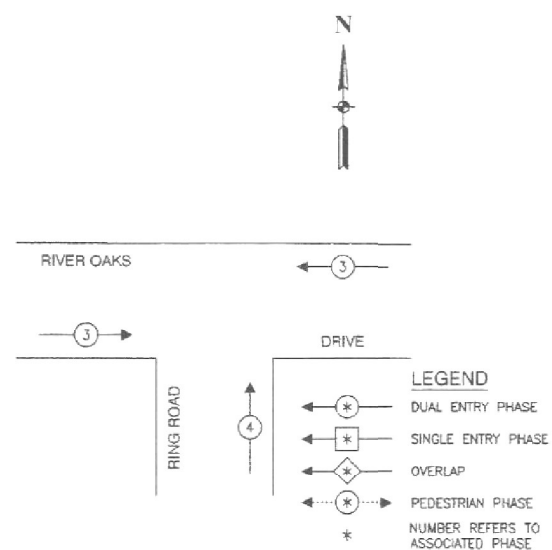
TS270
ECON 49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (RIVER OAKS DR) AND PAXTON AVE

SCALE: SHEET 5 SHT_D 101 155 51 05 SHEETS 15 15 01-072_S_TOT TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	58C
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



EXISTING	PROPOSED
----------	----------

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	509

MODEL Default
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DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

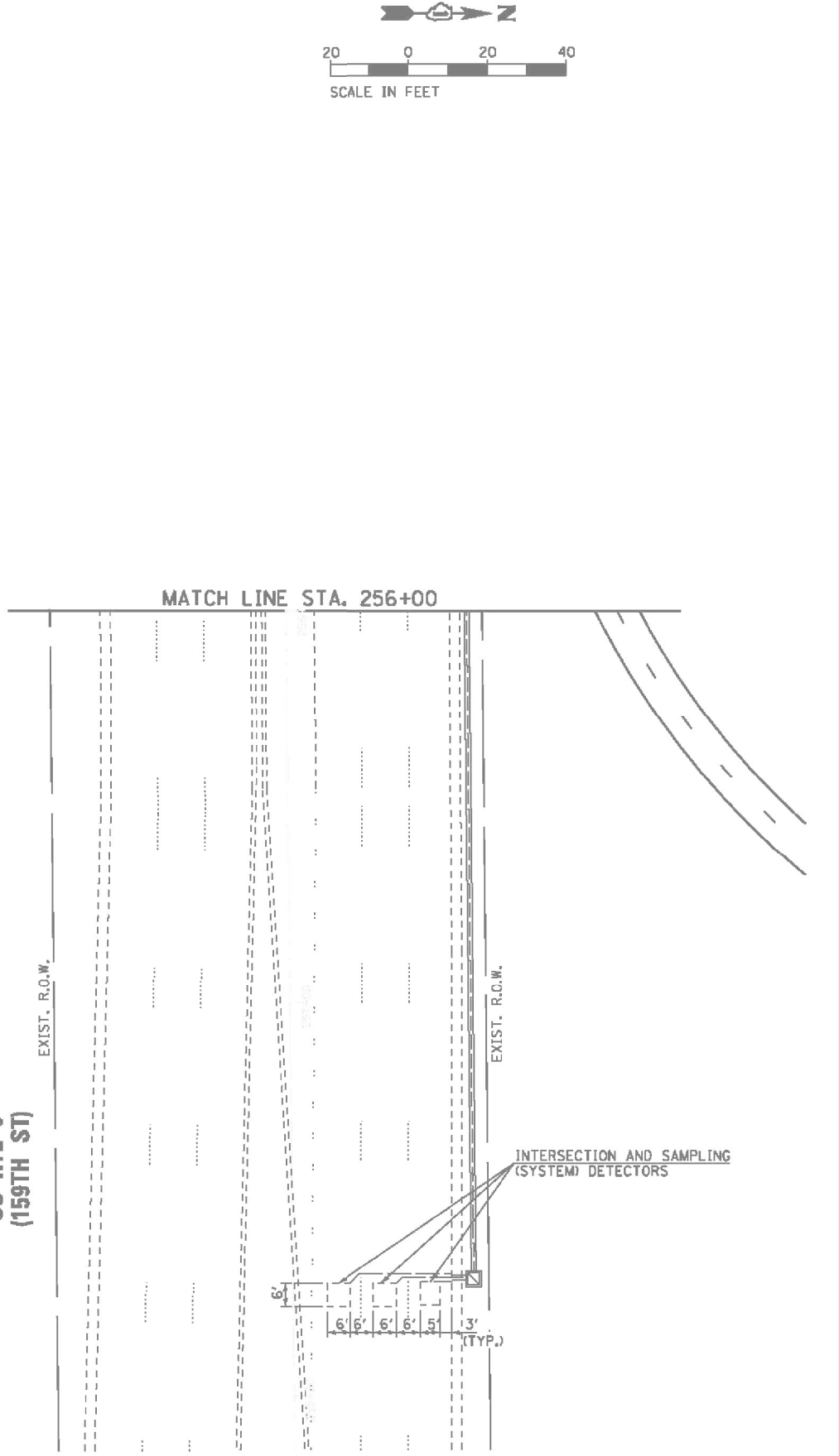
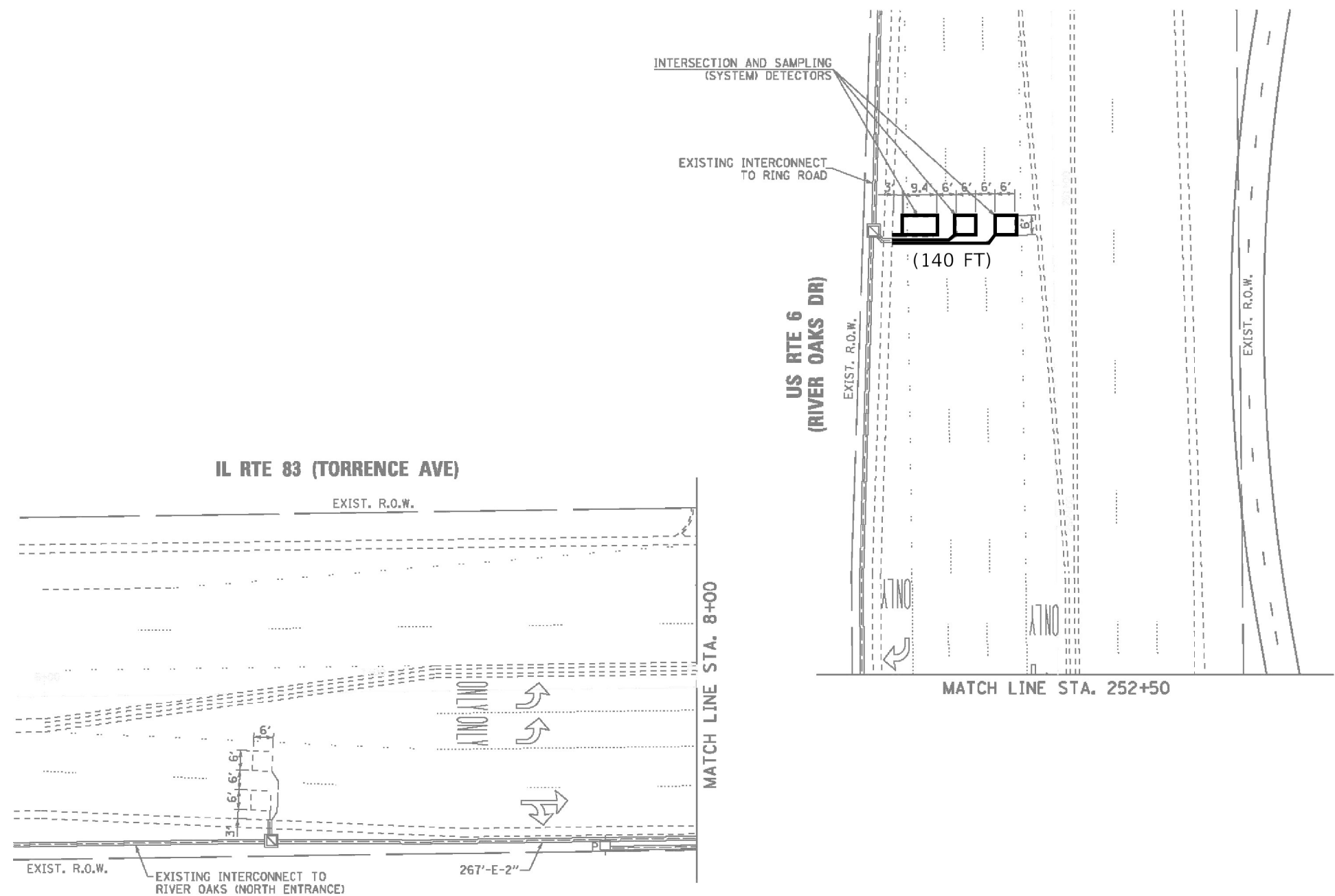
USER NAME	= nsharma	DESIGNED -	REVISED -
		DRAWN -	REVISED -
PLOT SCALE	= 40,0000' / 1"	CHECKED -	REVISED -
PLOT DATE	= 4/11/2023	DATE -	REVISED - SREV4_DA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION PLAN
US RTE 6 (159TH ST) AT TORRENCE AVE (2 OF 3)

SCALE: SHEET \$SHT_D 102159TH ST TO STA. 252+50 SHEETS \$SHT_D 102159TH ST TO STA. 256+00 SHEETS \$SHT_D 102159TH ST TO STA. 256+00 TO STA. 256+00

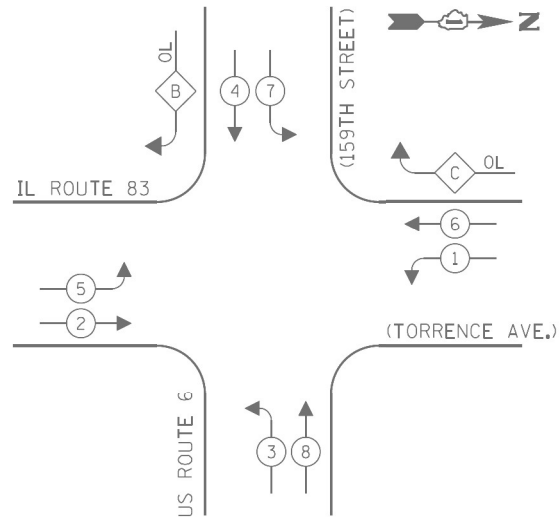
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	58G
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				



TS 175
ECON 49

MODEL Default
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EXISTING CONTROLLER SEQUENCE



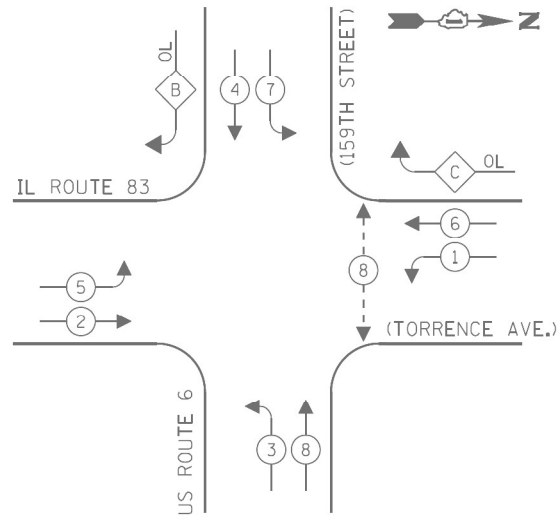
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

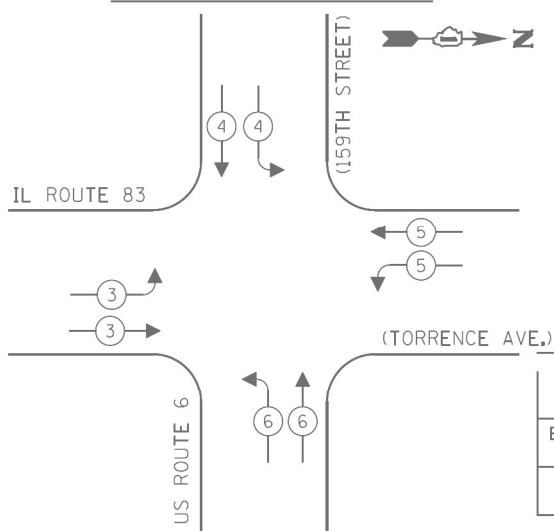
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	17	50	187.0
(YELLOW)	22	25	25	137.5
(GREEN)	22	15	25	82.5
PERMISSIVE ARROW	8	12	10	9.6
PED. SIGNAL	2	25	100	50.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				566.6

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: ANTHONY EXCALANTE
PHONE: (708) 878-9908
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	↓	↶	↷

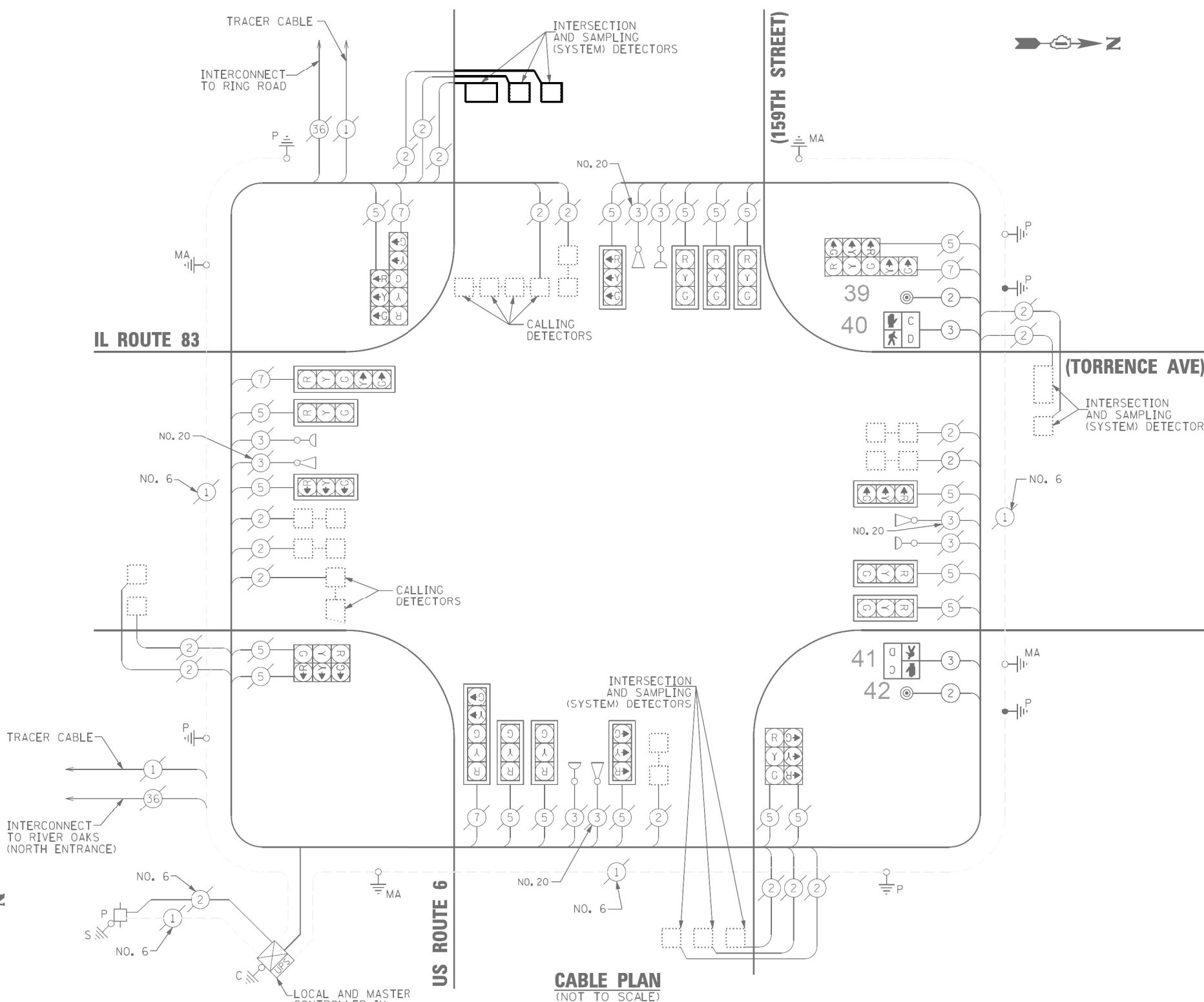
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INSTALLATION CABLE PLAN
US RTE 6 (159TH ST) AT TORRENCE AVE (3 OF 3)

SCALE: SHEET OF SHEETS STA. TO STA.

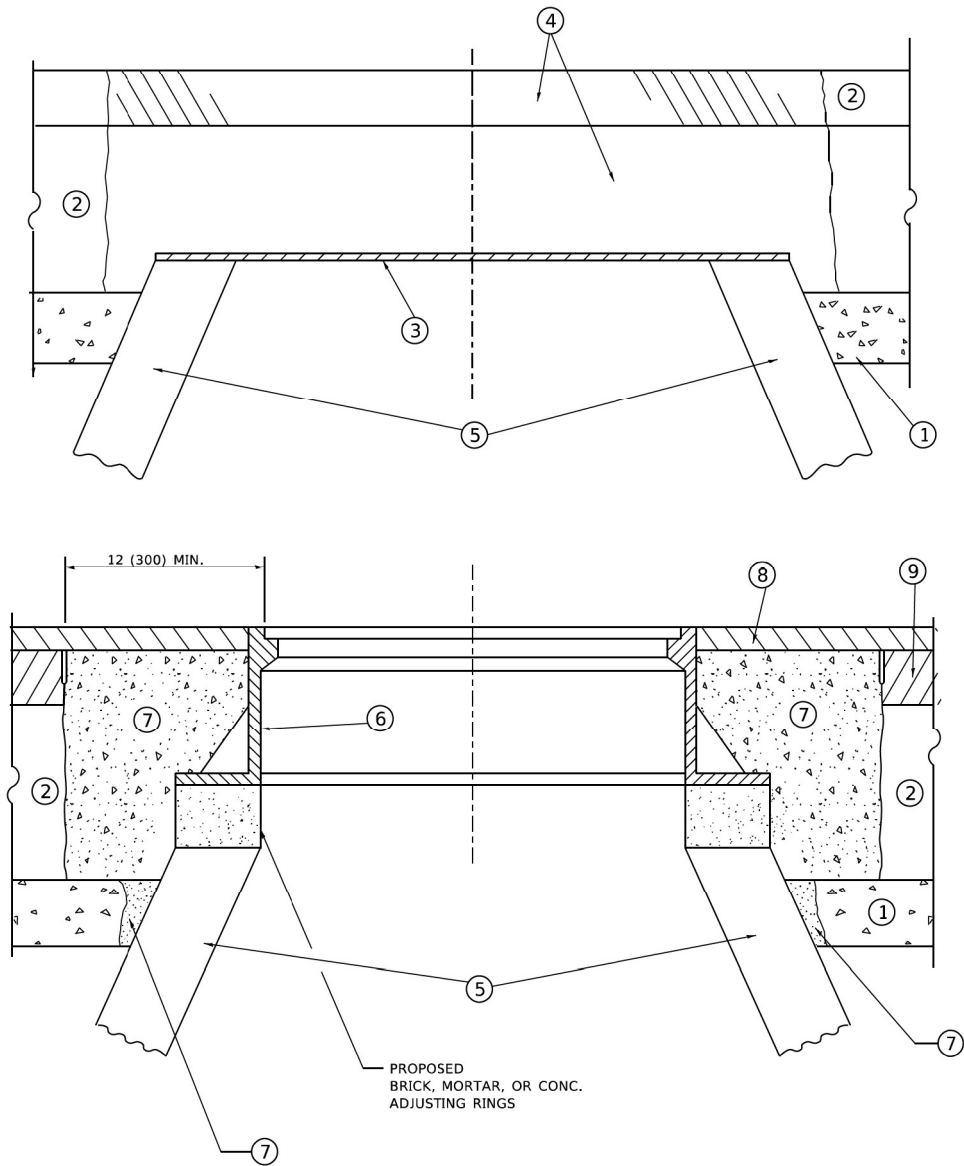
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0351 22 RS	COOK	73	58H
CONTRACT NO. 62T57				
ILLINOIS FED. AID PROJECT				

TS 175
ECON 49



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	140



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
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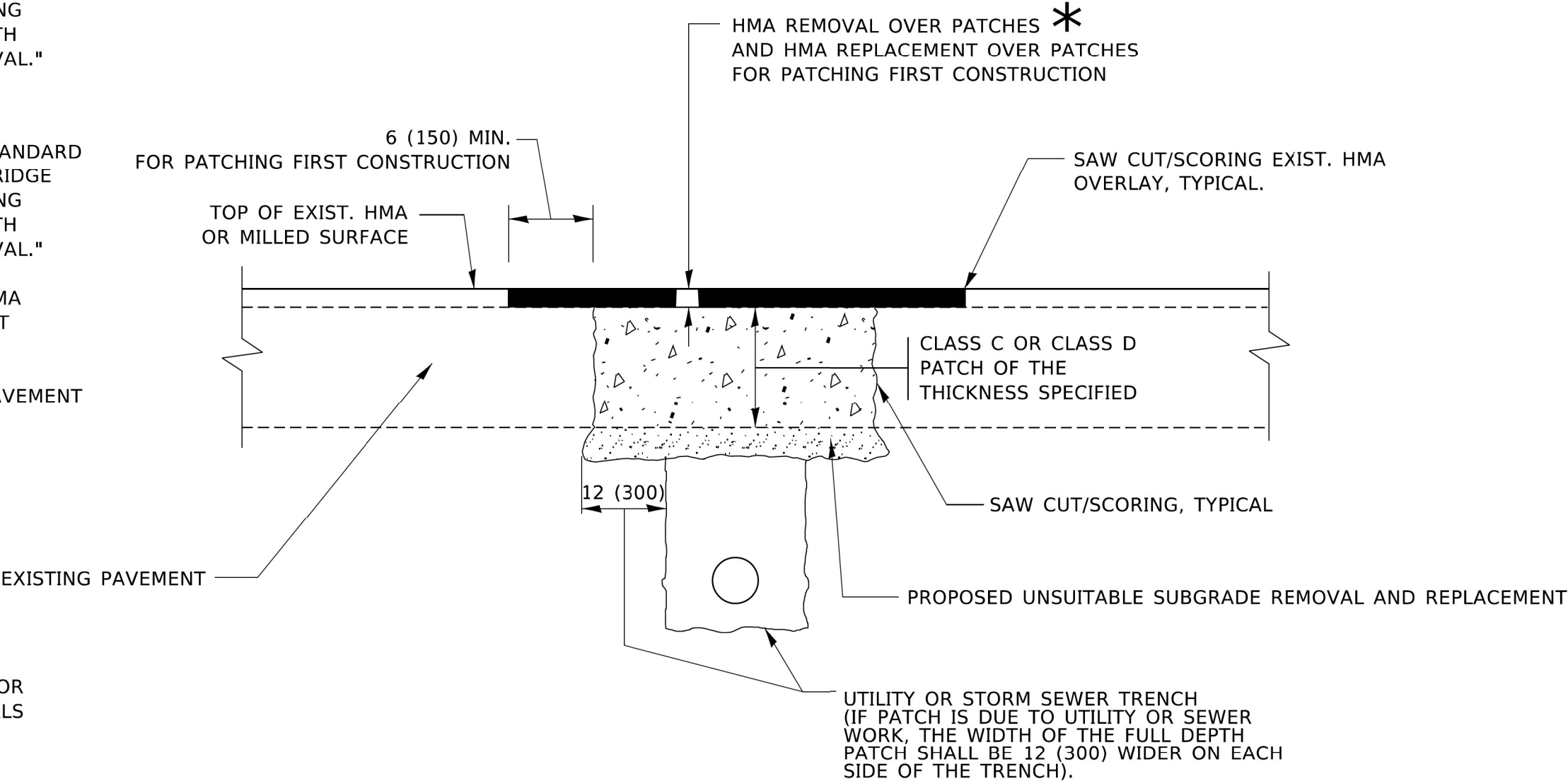
 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9568 F 312.425.9569 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE – DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 * / in.	DRAWN - IMU	REVISED -			351	FAP 0351 22 RS	COOK	73	61
	CHECKED - ACL	REVISD -	REVISD -			CONTRACT NO. 62T57				
	DATE - 08/22/2023					SCALE:	TO STA.	STA.	ILLINOIS	FED. AID PROJECT

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

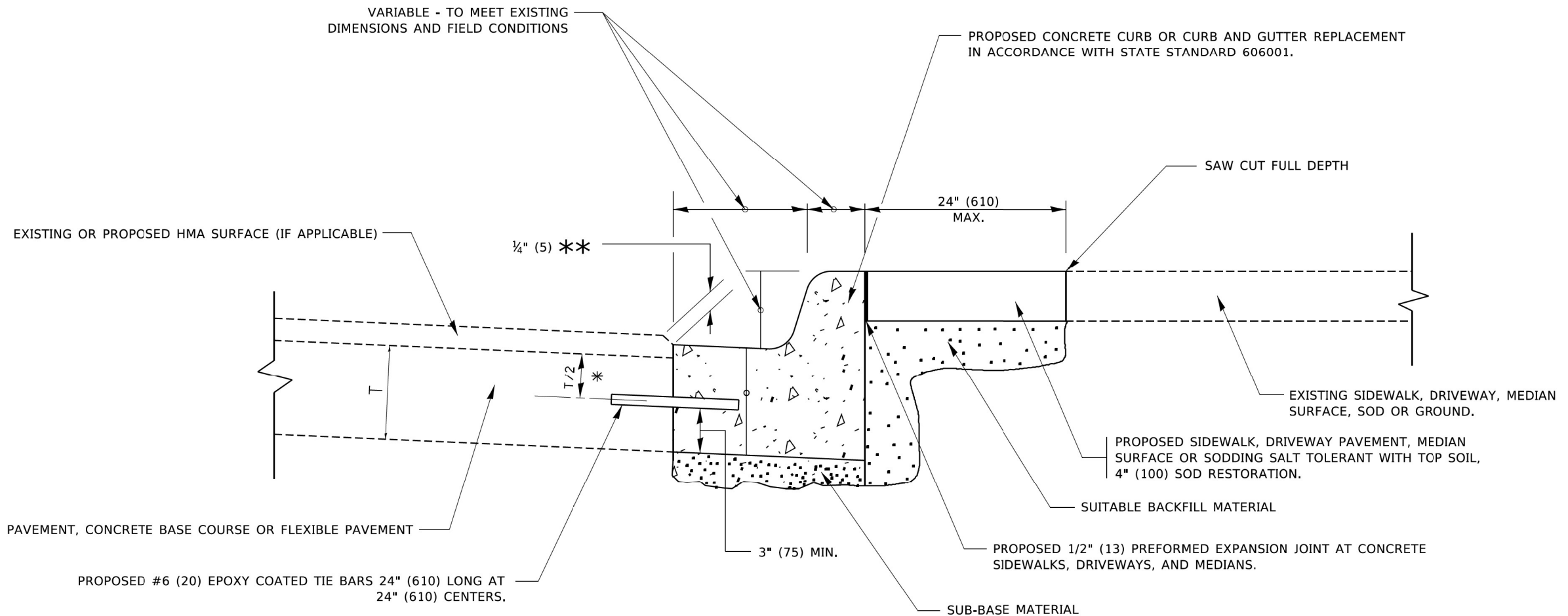
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

MODEL: Default
FILE NAME: R:\P\2020\2020-4094-00 IDOT Various Phase 2 (P) 106 Item 16\WVO 38 6215\DOGN\CADD Sheets\162151-SH15-STANDARDS-02.dgn

<div><div><div>INFRASTRUCTURE</div><div>ENGINEERING INCORPORATED</div><div>1 South Wacker Suite 2650 Chicago, IL 60606</div><div>P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com</div></div></div>	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE – PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	CHECKED - ACL	REVIS	REVIS			CONTRACT NO. 62T57				
	DATE - 08/22/2023					ILLINOIS FED. AID PROJECT				
SCALE:				STA.		TO STA.				



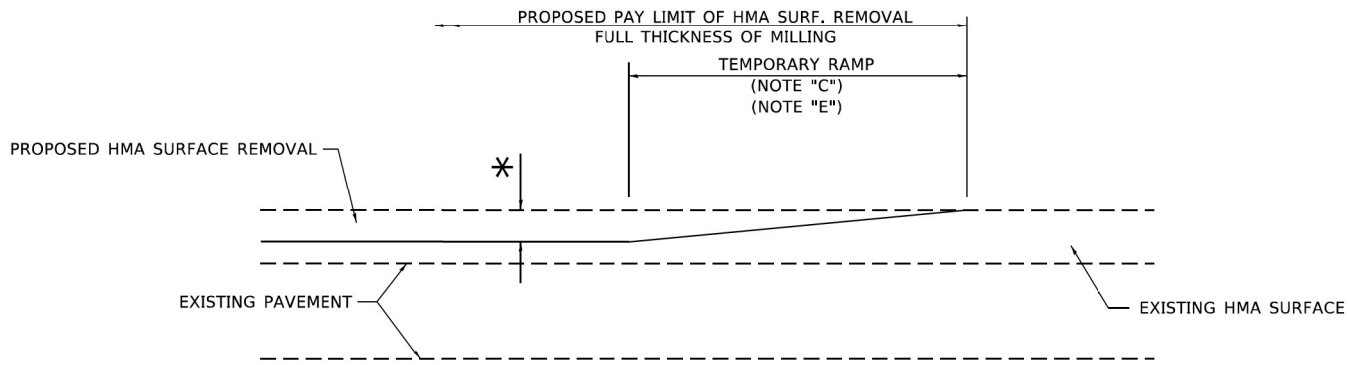
- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
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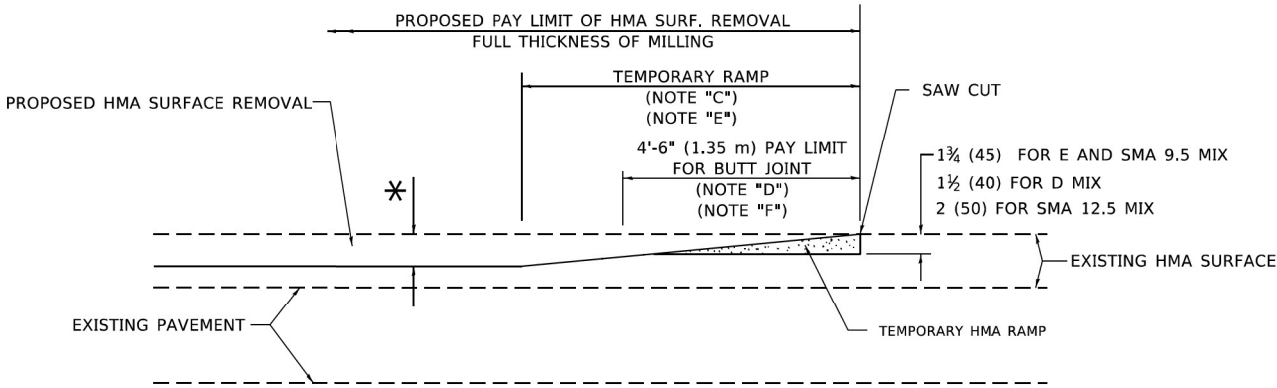
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	CHECKED - ACL	REVIS	REVIS						CONTRACT NO. 62T57				
	DATE - 08/22/2023								ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

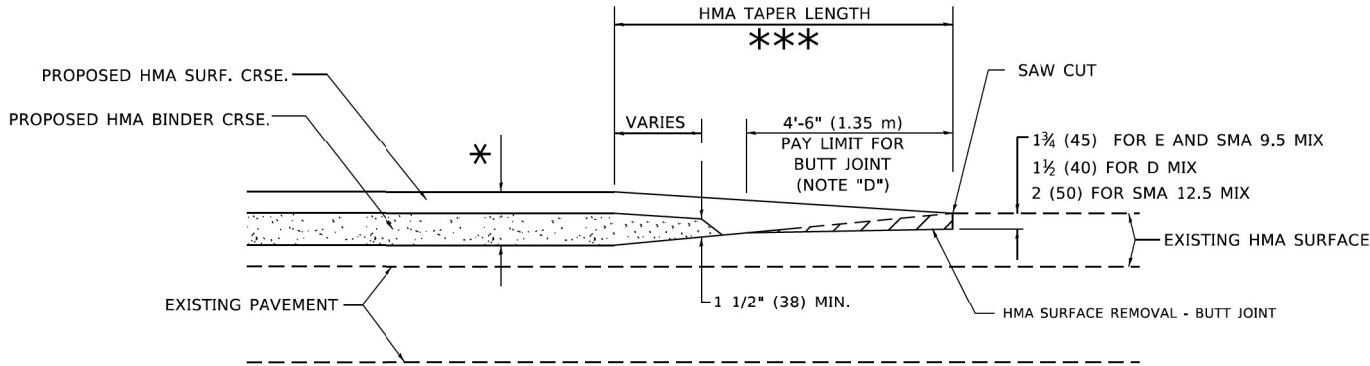


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

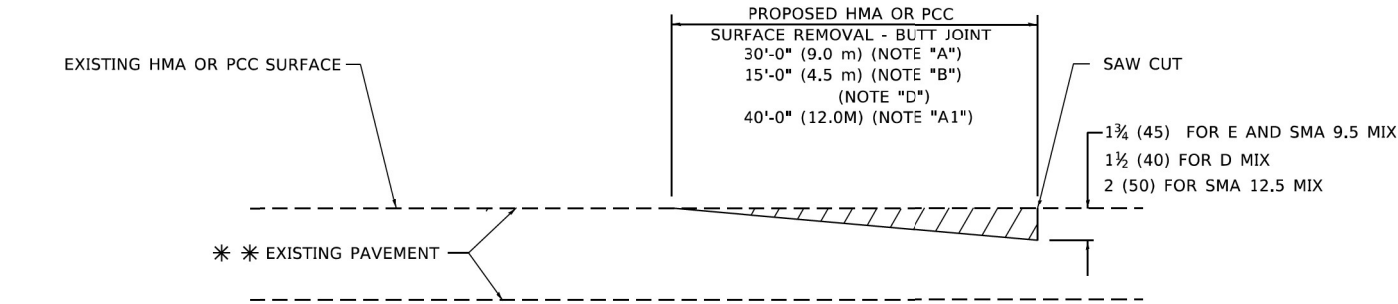
OPTION 2

TYPICAL TEMPORARY RAMP

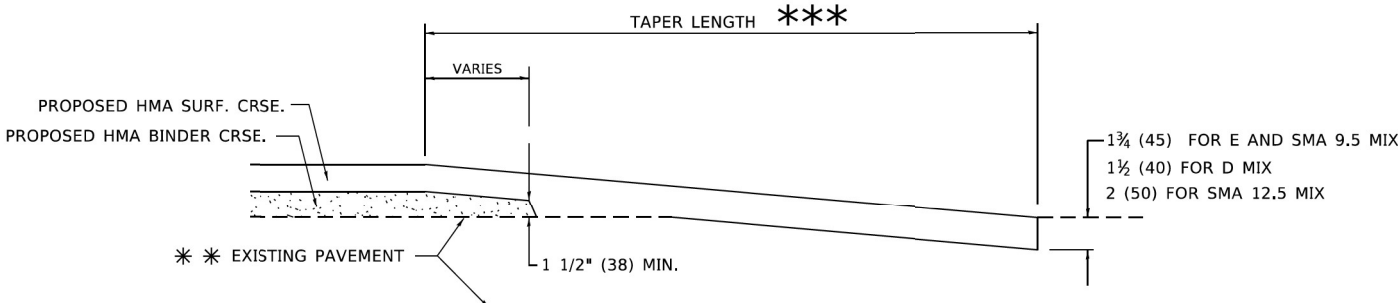


**BUTT JOINT AND
HMA TAPER**

**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")

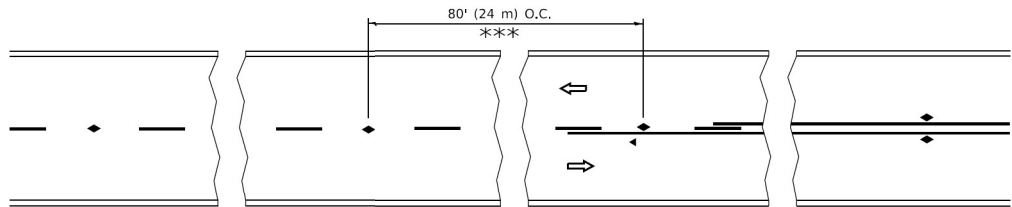
BASIS OF PAYMENT

- 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.

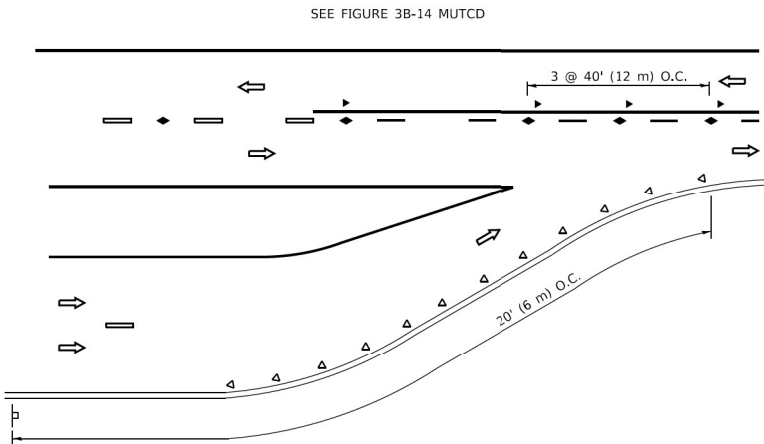
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 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE – BUTT JOINT AND HMA TAPER DETAILS (BD-32)	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - 08/22/2023							ILLINOIS FED. AID PROJECT				

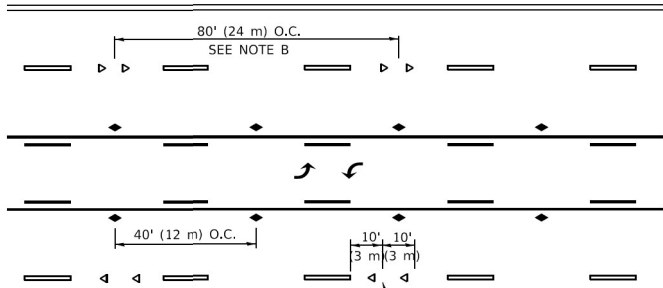


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

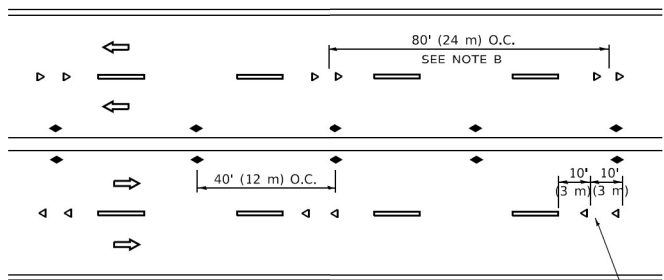


LANE REDUCTION TRANSITION



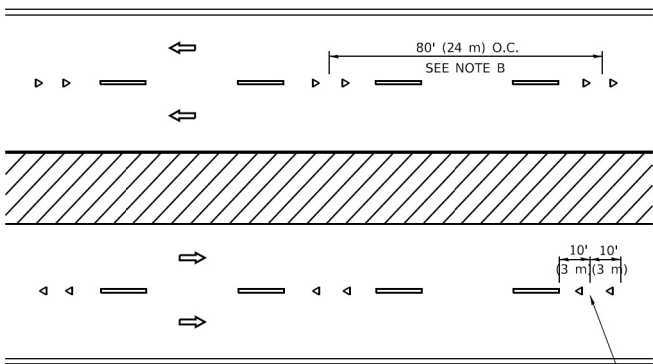
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

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

LANE MARKER NOTES

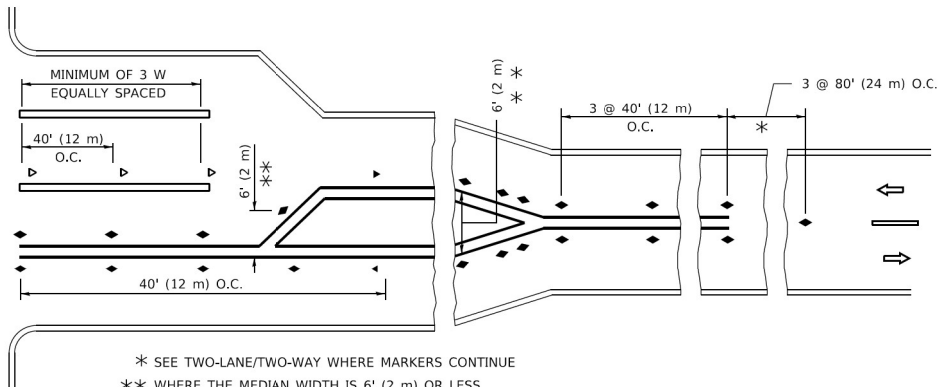
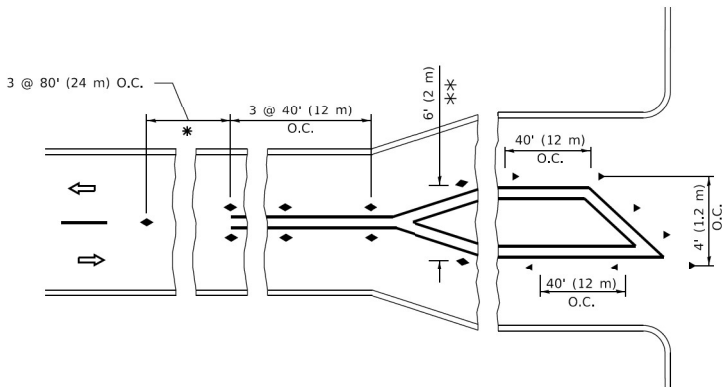
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

DESIGN NOTES

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



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

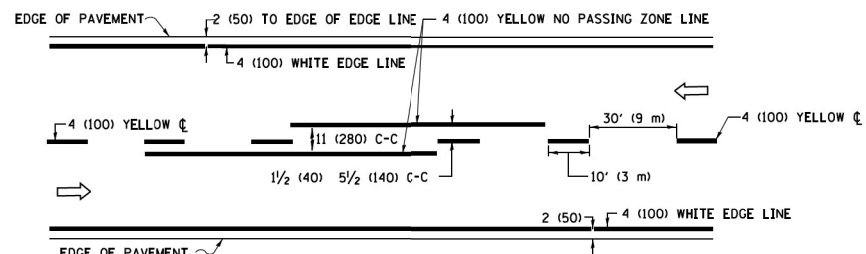
TURN LANES

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

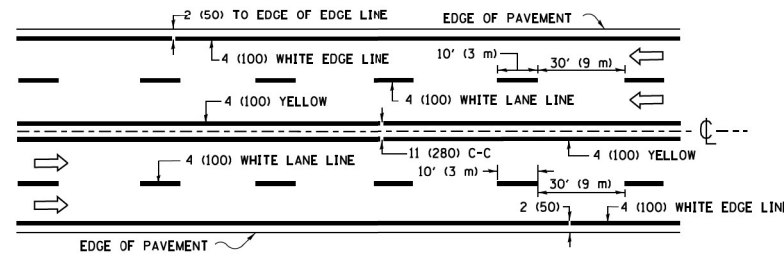
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 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9568 F 312.425.9568 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - IMU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE – TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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						ILLINOIS FED. AID PROJECT				

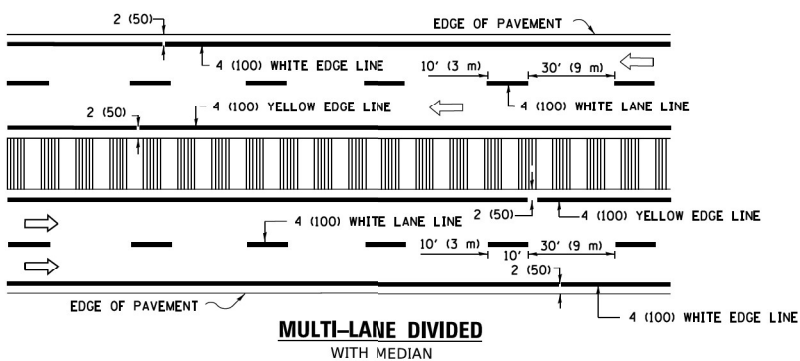
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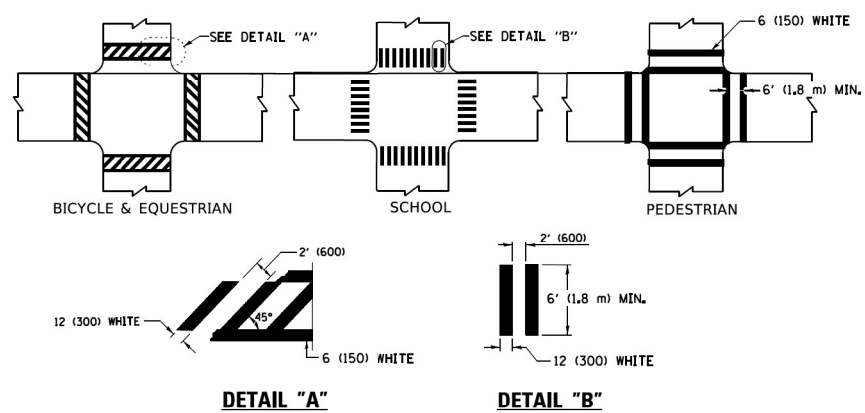
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

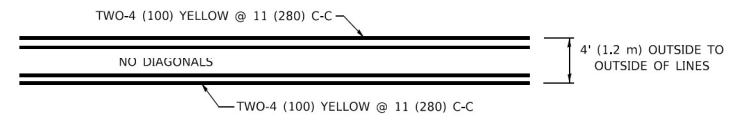


TYPICAL LANE AND EDGE LINE MARKING

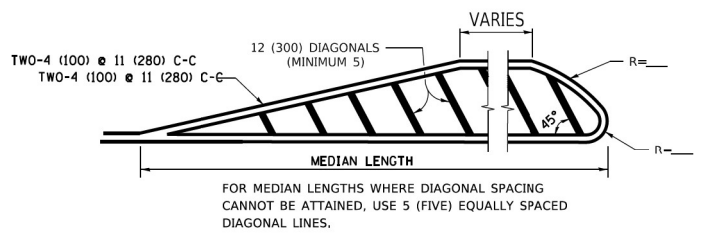


TYPICAL CROSSWALK MARKING

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

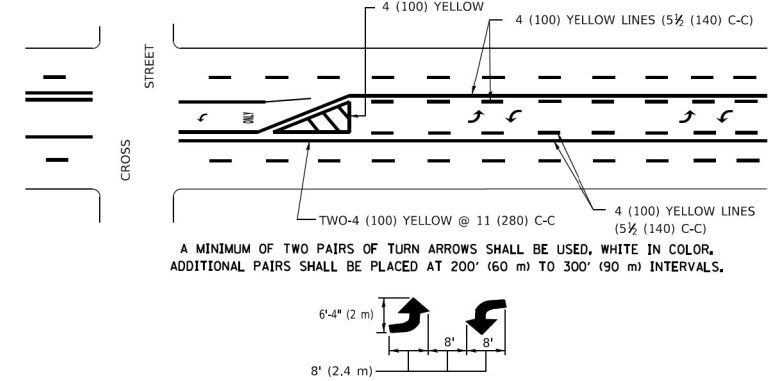


4' (1.2 m) WIDE MEDIANS ONLY



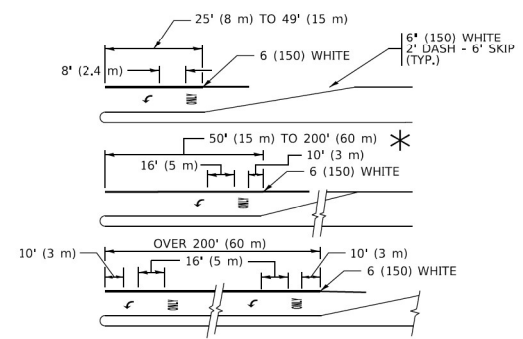
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

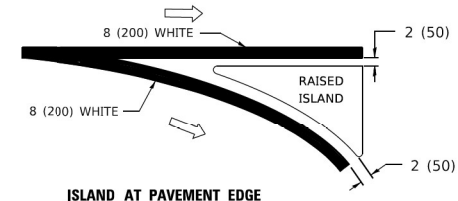
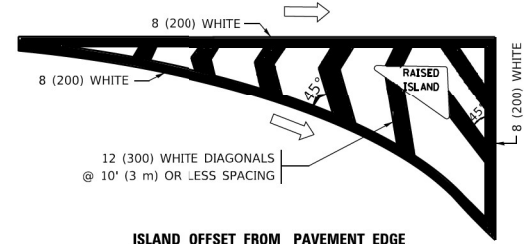


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

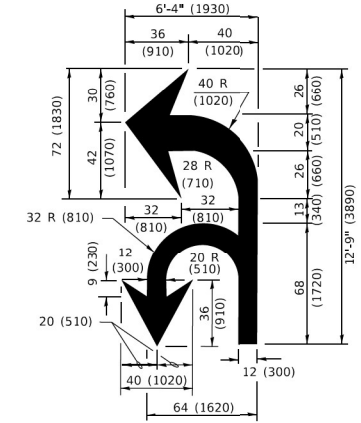
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - *ONLY* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - *ONLY*.

TYPICAL LEFT (OR RIGHT) TURN LANE

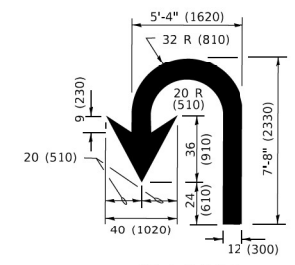
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

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

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW/ YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: *RR* 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R* = 3.6 SQ. FT. (0.33 m ²) EACH *X* = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

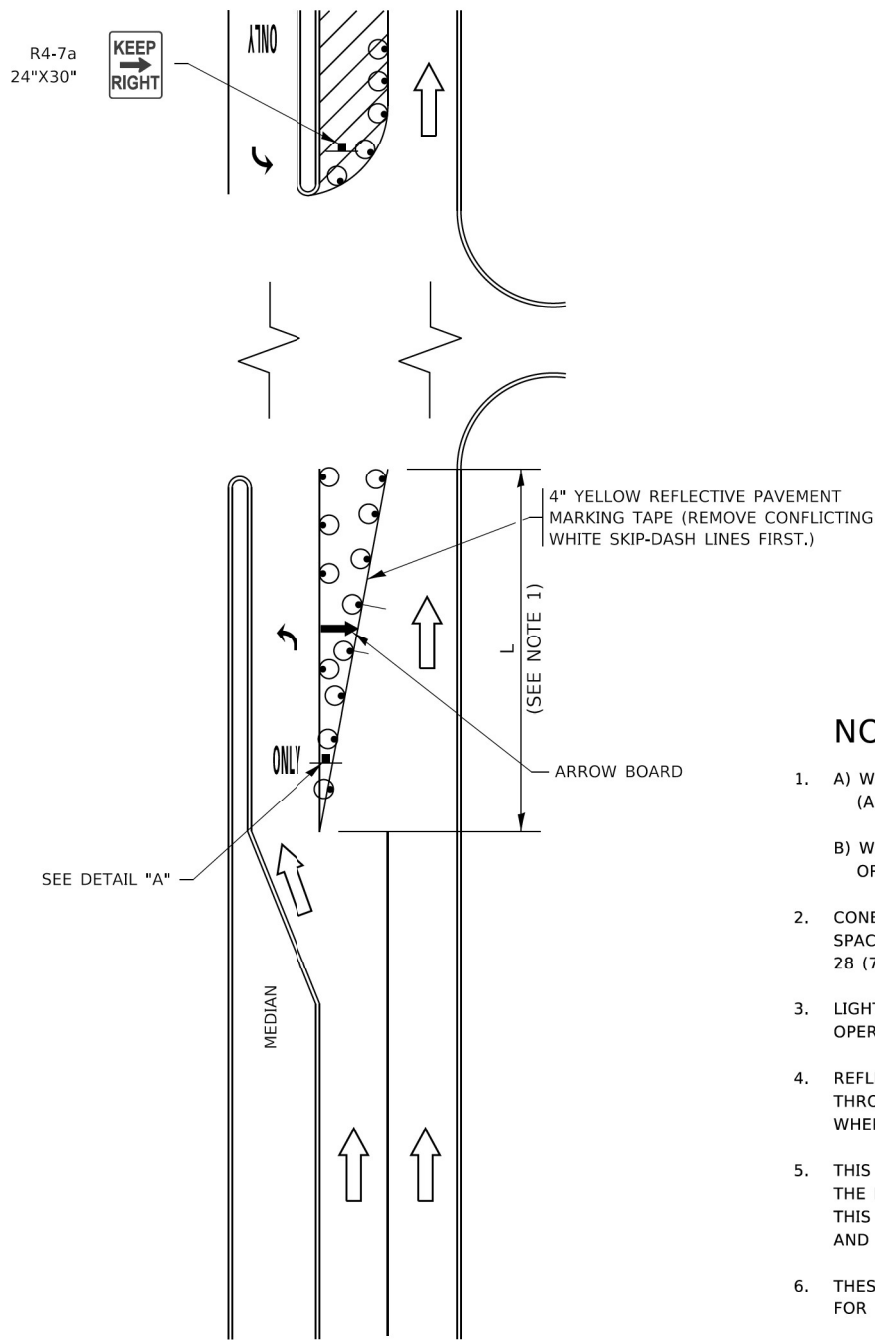


FIGURE 1

LEGEND

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

NOTES:

- 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-I100R 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 PREQUIREMENTS.
- 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

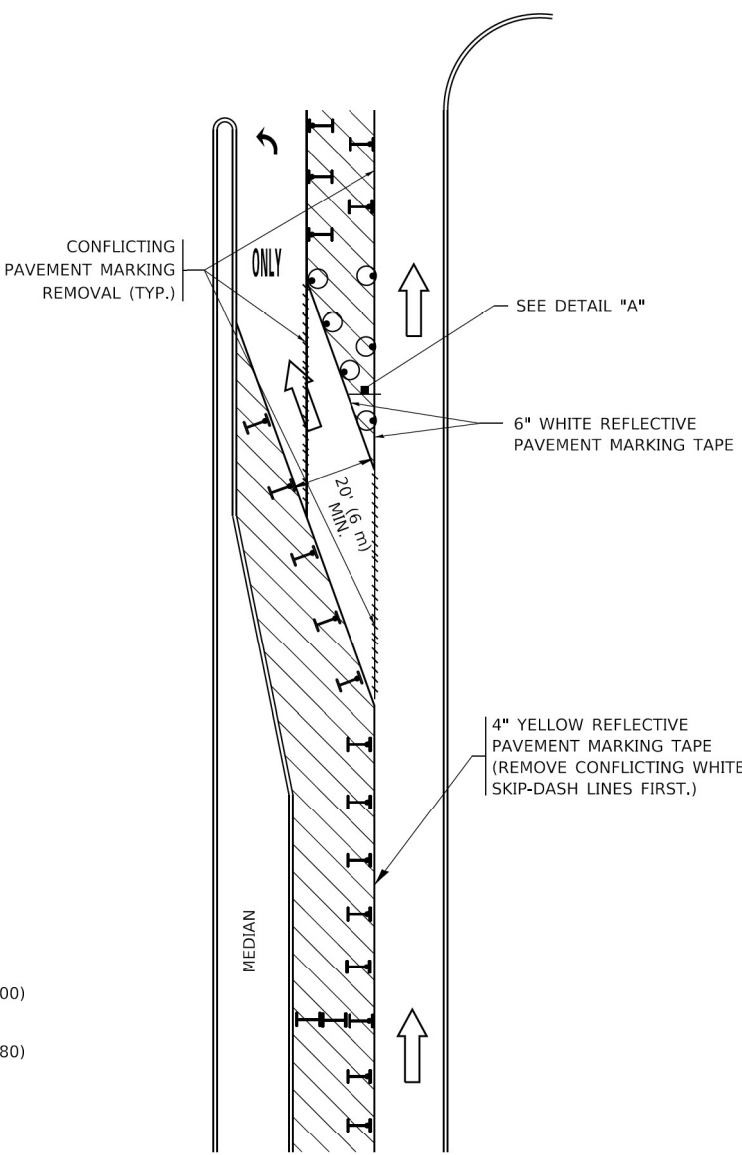
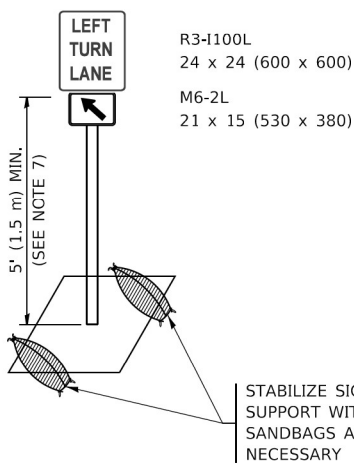


FIGURE 2

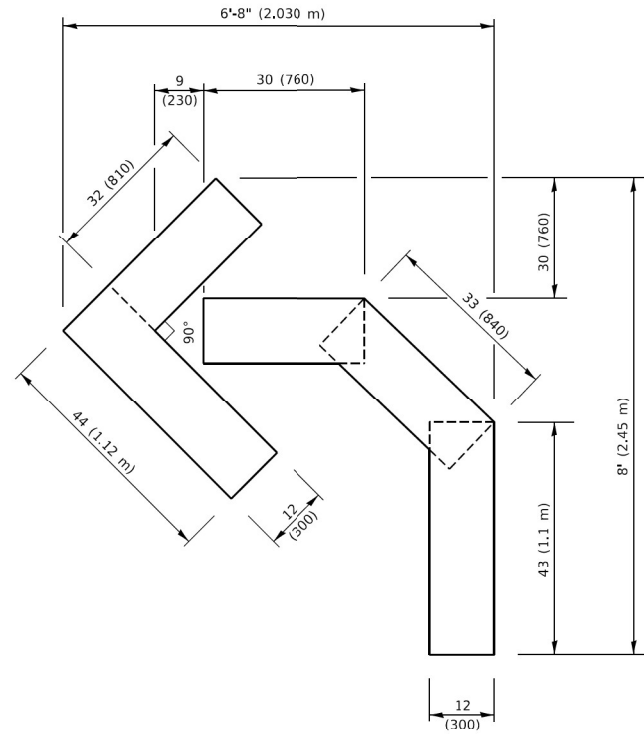


DETAIL A

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

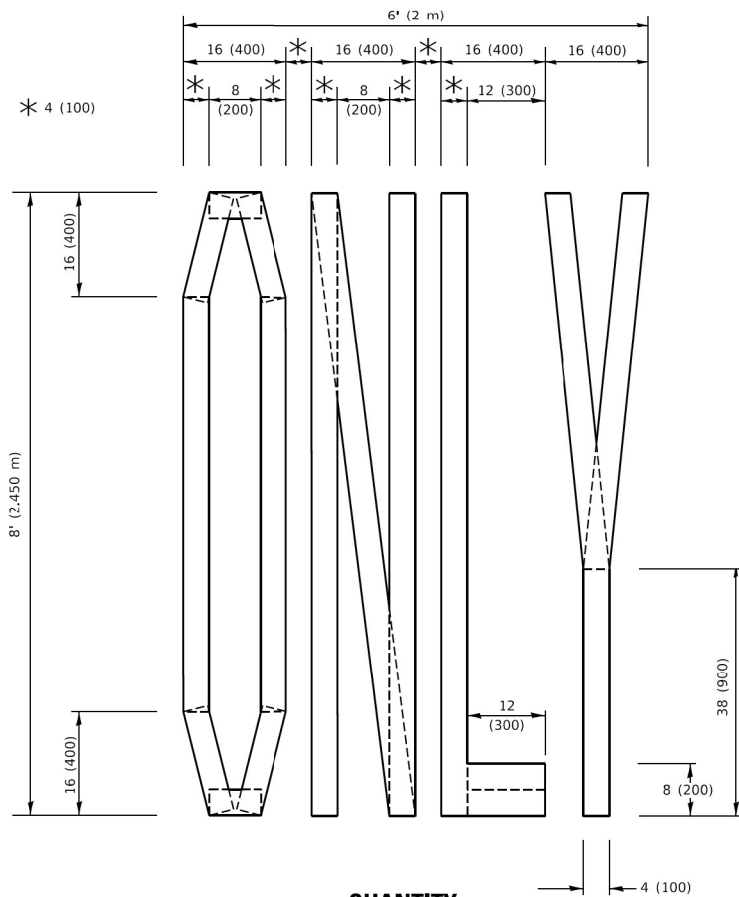
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	DATE - 08/22/2023								ILLINOIS FED. AID PROJECT				



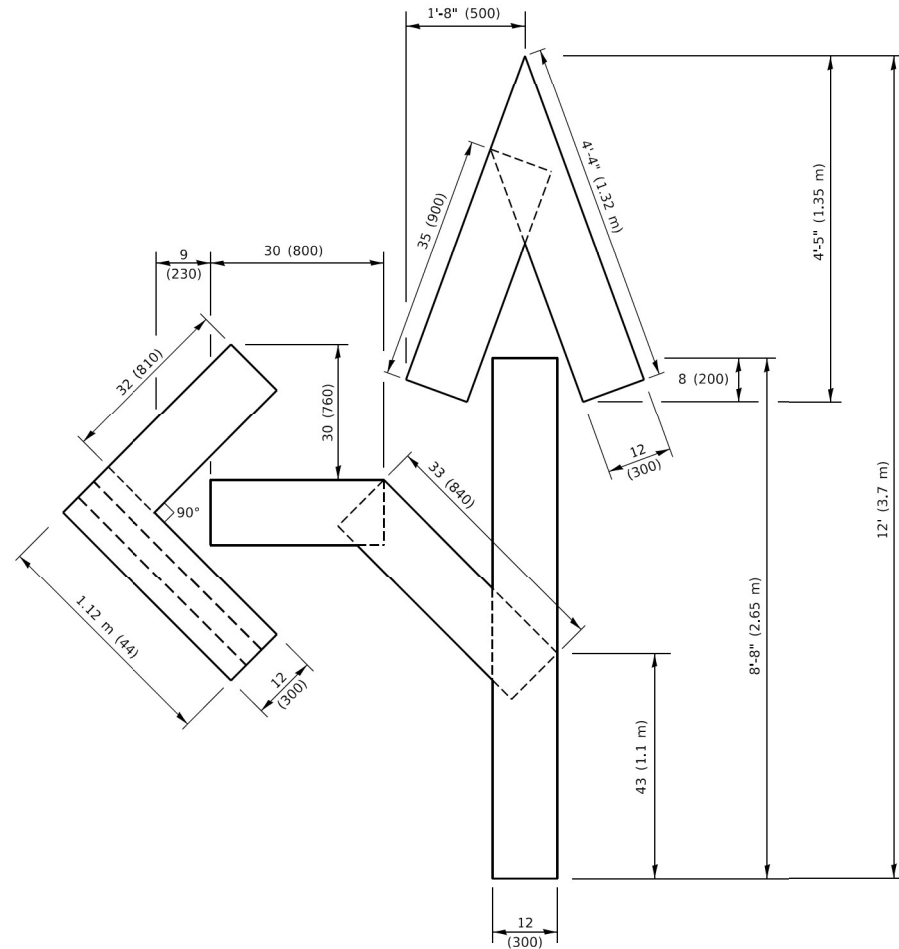
QUANTITY

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



QUANTITY

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

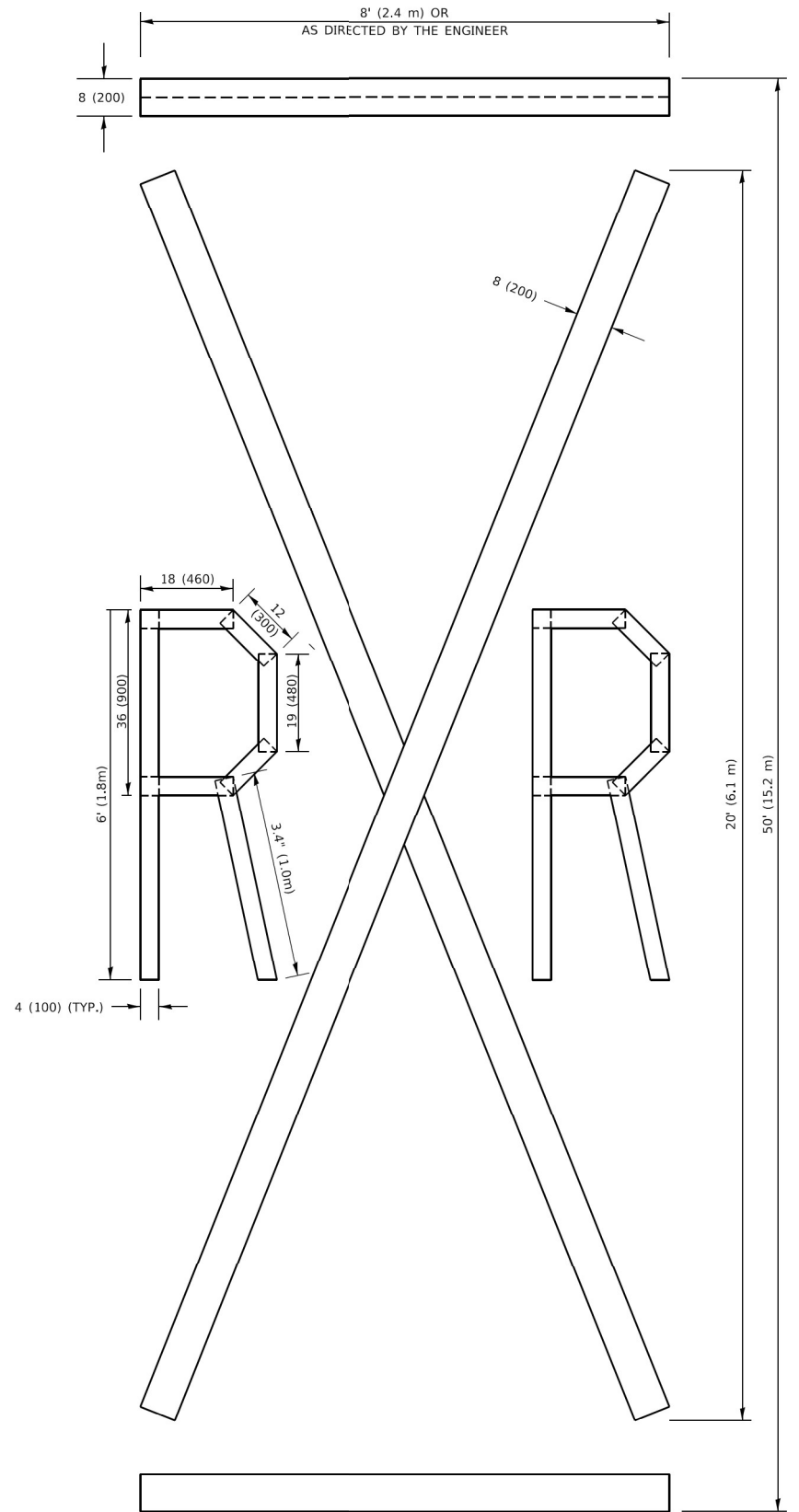


QUANTITY

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

NOTE:

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



QUANTITY

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

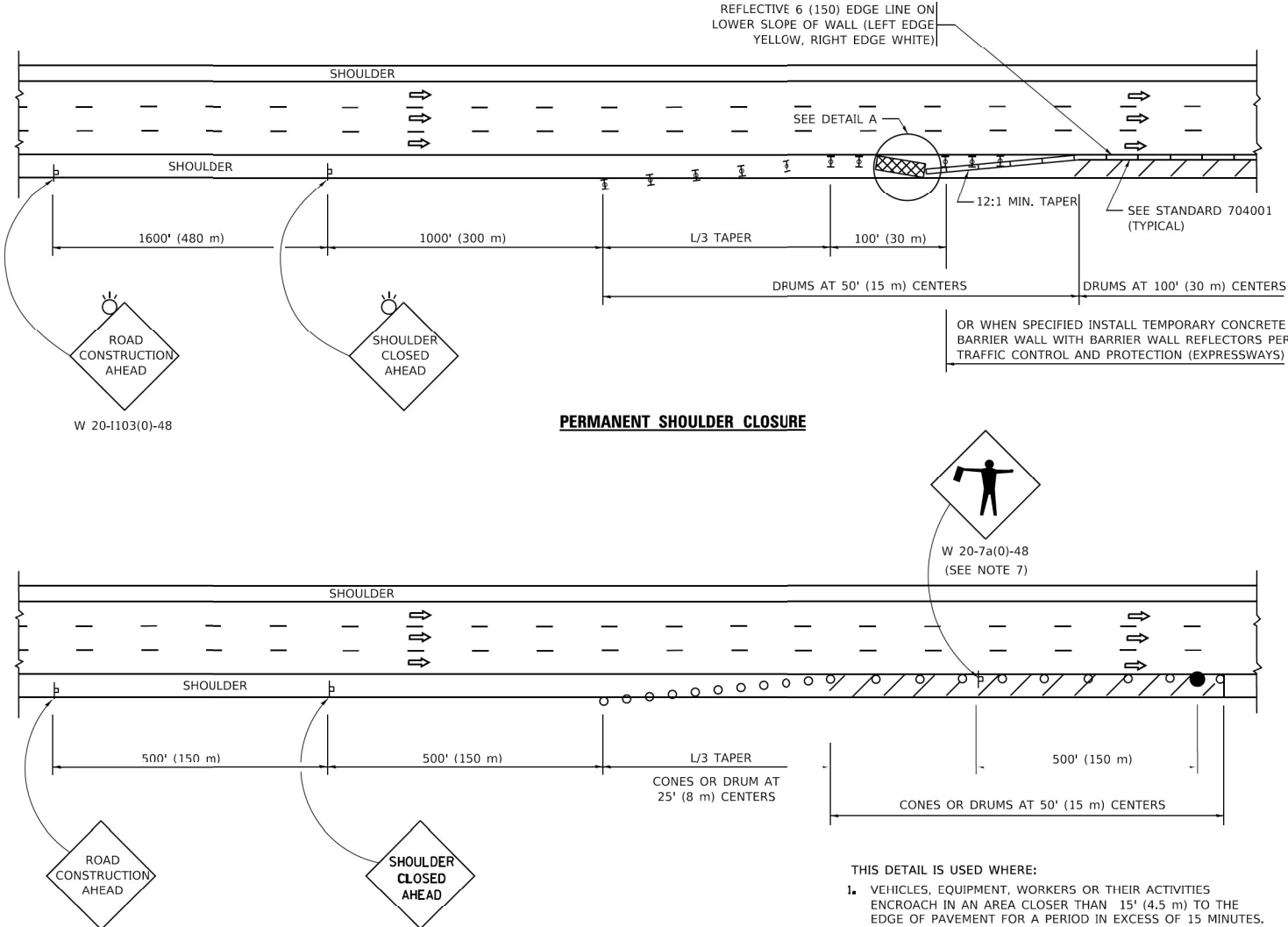
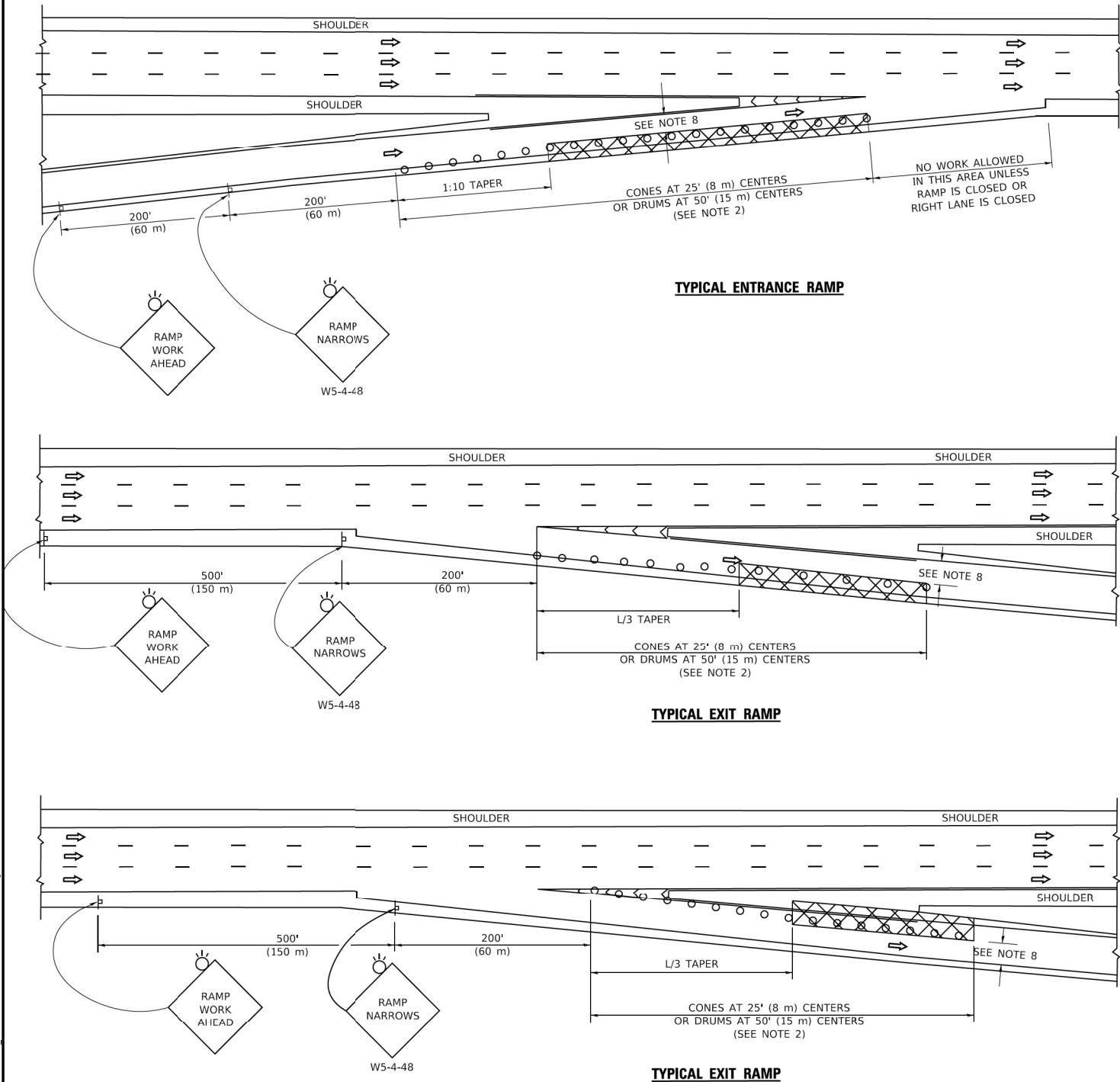
All dimensions are in inches (millimeters) unless otherwise shown.

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	DATE - 08/22/2023	CHECKED - ACL	REVISED -			CONTRACT NO. 62T57				
						ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS



SYMBOLS

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

GENERAL NOTES:

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

PERMANENT SHOULDER CLOSURE

DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

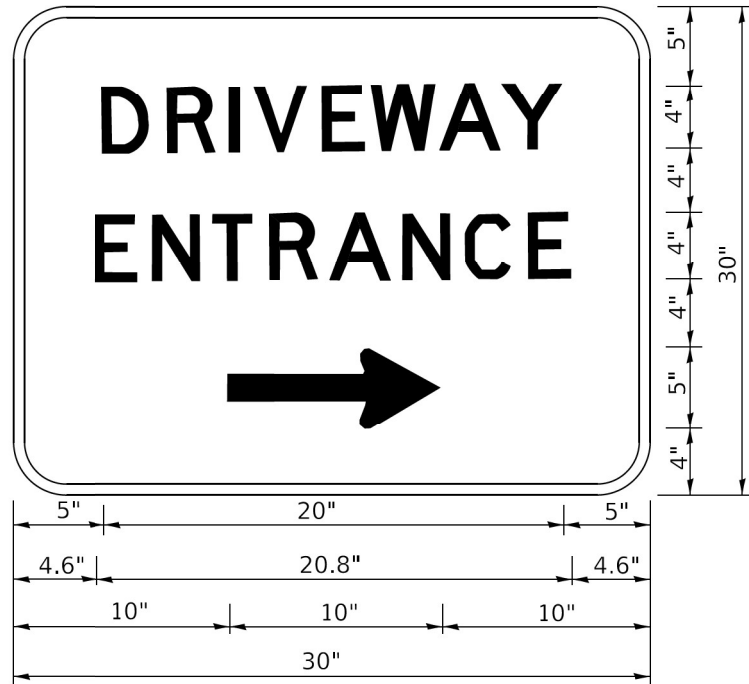
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

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

EDGE OF TRAFFIC LANE

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

OFFSET 5' (1.5 m) MIN. FOR SAND MODULE ARRAY



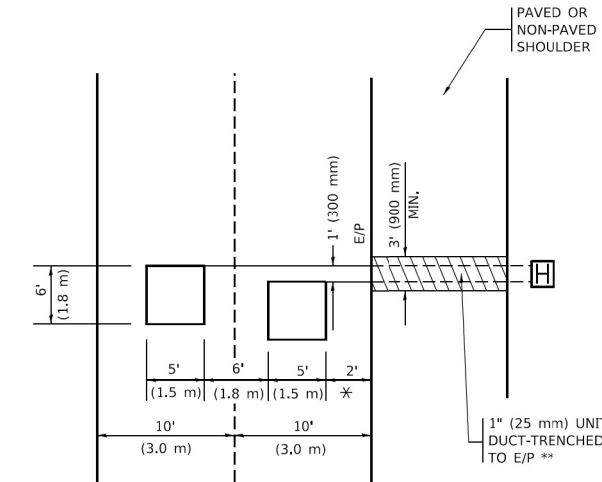
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- 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: Default
FILE NAME: R:\2020\20-4094-00_IDOT_Various Phase 2 (PTE 106 Item 16)WQ 38 62157\OGN\CADD_Sheets\DI62T57-SH15-STANDARDPS-12.dgn

LOOPS NEXT TO SHOULDERS

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

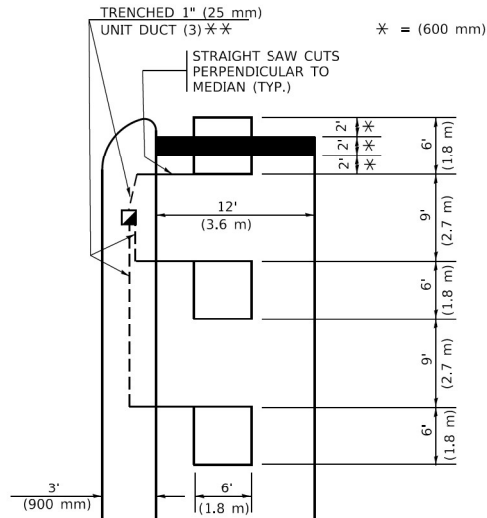


* = (600 mm)

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

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

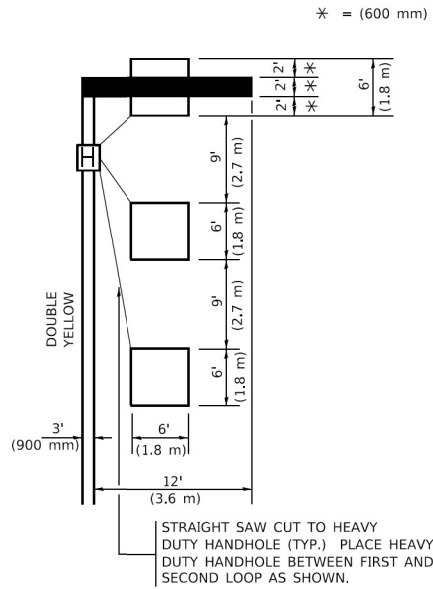
HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



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

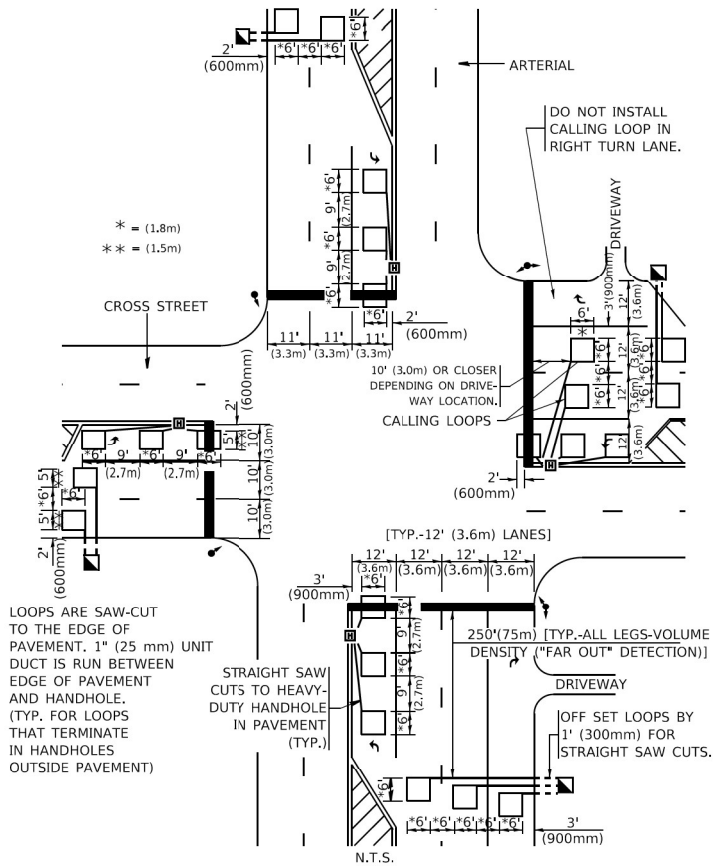
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



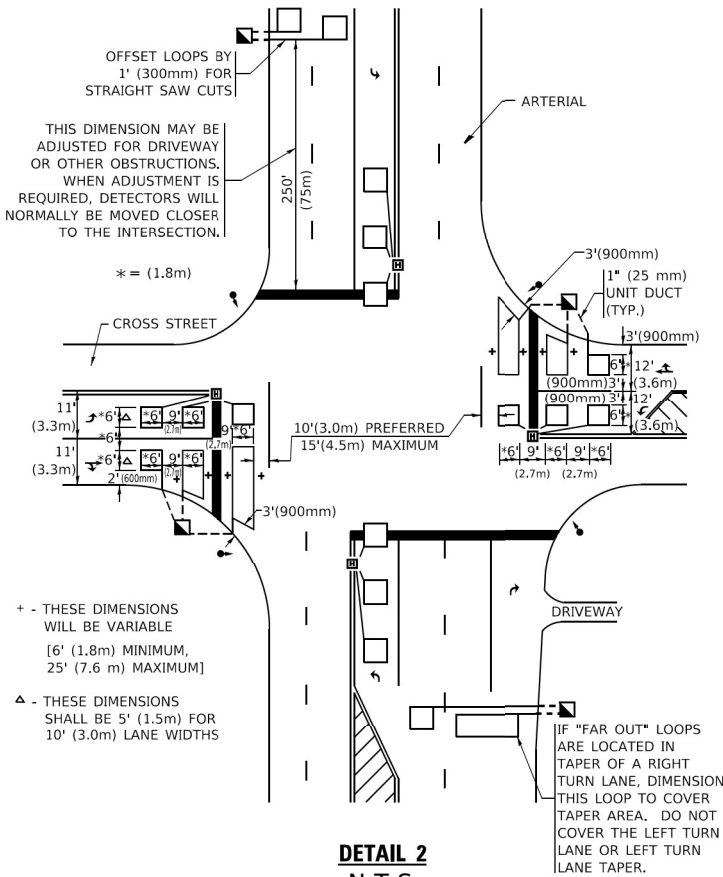
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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.

<div></div> <div>INFRASTRUCTURE ENGINEERING INCORPORATED</div> <div>1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9598 www.infrastructure-eng.com</div>	USER NAME = ALane	DESIGNED - IMU	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>DISTRICT ONE – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)</div>						F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 ' / in.	DRAWN - IMU	REVISED -			351	FAP 0351 22 RS	COOK	73	73					
	CHECKED - ACL	REVISIED -	REVISIED -			CONTRACT NO. 62T57									
	DATE - 08/22/2023					ILLINOIS FED. AID PROJECT									
	SCALE:					STA.	TO STA.								