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STATE STANDARDS

STANDARD NO.	DRAWING NAME
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
701101-05	OFF-RD OPERATION, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
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
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

CITY OF CHICAGO SPECIFIC NOTES

1.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL “C.U.A.N.” (CHICAGO UTILITY ALERT NETWORK) AT (312)744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2.

THE CITY OF CHICAGO IS TO MAKE ADJUSTMENTS TO THEIR STREET LIGHTING AND/OR TRAFFIC SIGNAL FACILITIES. THE CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH THE CITY OF CHICAGO IN THESE ADJUSTMENTS. THIS COORDINATION AND COOPERATION BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COSTS OF THE CONTRACT.
3.

PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS’ PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.
4.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
5.

OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.

GENERAL NOTES

1.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811
2.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND VILLAGE OF OAK LAWN, VILLAGE OF ALSIP, AND THE CITY OF CHICAGO.
3.

FRAME AND GRATE ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
4.

THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
5.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
6.

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
7.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8.

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.
9.

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.
10.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
11.

PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIANS.
12.

LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
13.

CATCH BASINS, MANHOLES, INLETS, DRAINAGE STRUCTURES AND VALVE VAULTS ADJUSTMENT AND/OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
14.

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.
15.

WHEN MILLED PAVEMENT OPENS TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
16.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE D1 DETAIL BD-32 "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
17.

THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
18.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
19.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
20.

ANY PAVEMENT MARKINGS OBLITERATED BY MILLING AND RESURFACING OPERATIONS DUE TO CONTRACTOR ERROR ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED BY CONTRACTOR WITH NO COST TO THE DEPARTMENT.
21.

PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
22.

THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
23.

THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
24.

ALL CAST OPEN LIDS FOR FRAMES, TYPE 1, WITHIN CURB RAMPS FOR SIDEWALK, SHALL BE "ADA COMPLIANT" CAST OPEN LIDS PER HIGHWAY STANDARD 604001.
25.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF THE CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN PAY ITEM "TRAFFIC CONTROL AND PROTECTION" UNDER STANDARDS 701606, 701601, 701602, 701611, 701701, 701801.
26.

ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
27.

ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11, "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
28.

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT 4.5' OFF THE GROUND SHALL BE CLEARED ONLY FROM NOVEMBER 1 TO MARCH 31 OF ANY GIVEN YEAR.
29.

THE CONTRACTOR SHALL TAKE CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OF TRUNKS. ANY DAMAGE DONE TO EXISTING ITEM BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
30.

EXISTING VEGETATED AREAS (TREE, 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 ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
31.

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO DOING FORESTRY AND HERBICIDE WORK FOR LAYOUT.
32.

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.
33.

PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
34.

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO INTERSEEDING CLASS 4A (MODIFIED) AND CLASS 5 (MODIFIED) FOR LAYOUT.

MODEL: \$MODELNAME\$
FILE: NAME: 23304263 Projects\IDOT\IEC-002-000\03_Design\03_CADD Sheets\CICERO_AVE\IUED162V36-01t_General_Notes.dgn

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REVIS

4/8/2025

PLOT DATE = 4/8/2025

DATE - 4/8/2025

REVIS

4/8/2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
CICERO AVE (95TH STREET TO 123RD PLACE)

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

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.

350 FAP 0350 23 SMART COOK 144 2

CONTRACT NO. 62V36

ILLINOIS FED. AID PROJECT

1 REVISED SHEET 4/14/2025

MODEL: \\MODEL\NAMES
FILE: \\NAME\230425\Projects\UDO\TIEC-002-00003 Design\02_CADD Sheets\CICERO AVE\UED\62V36-shr-500-01.dgn

				CONSTRUCTION CODE		
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	0005		0021
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	15	15		
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25		
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20	20		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23		
20101700	SUPPLEMENTAL WATERING	UNIT	1	1		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23		
20200100	EARTH EXCAVATION	CU YD	365	365		
25100630	EROSION CONTROL BLANKET	SQ YD	1,210	1,210		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,265	1,265		
25200110	SODDING, SALT TOLERANT	SQ YD	54	54		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	70,390	70,390		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	119,834	119,834		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	283	283		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,266	1,266		
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	187	187		
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	16,596	16,596		
42101300	PROTECTIVE COAT	SQ YD	3,411	3,411		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	23,501	23,501		
42400800	DETECTABLE WARNINGS	SQ FT	1,560	1,560		
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	164,449	164,449		
44000600	SIDEWALK REMOVAL	SQ FT	22,638	22,638		
44002213	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/4"	SQ YD	4,150	4,150		
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	550	550		
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	1,100	1,100		
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	1,300	1,300		
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	1,200	1,200		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5		



* SPECIALTY ITEM

				CONSTRUCTION CODE		
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	0005		0021
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5		
60255500	MANHOLES TO BE ADJUSTED	EACH	8	8		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	5		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	16	16		
60266600	VALVE BOXES TO BE ADJUSTED	EACH	18	18		
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3		
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	8	8		
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	8	8		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	365	365		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10		
* 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	45	45		
67100100	MOBILIZATION	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		
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	201,613	201,613		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ.FT	33,602	33,602		
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ.FT	8,019	8,019		

REVISED SHEET 4/14/2025

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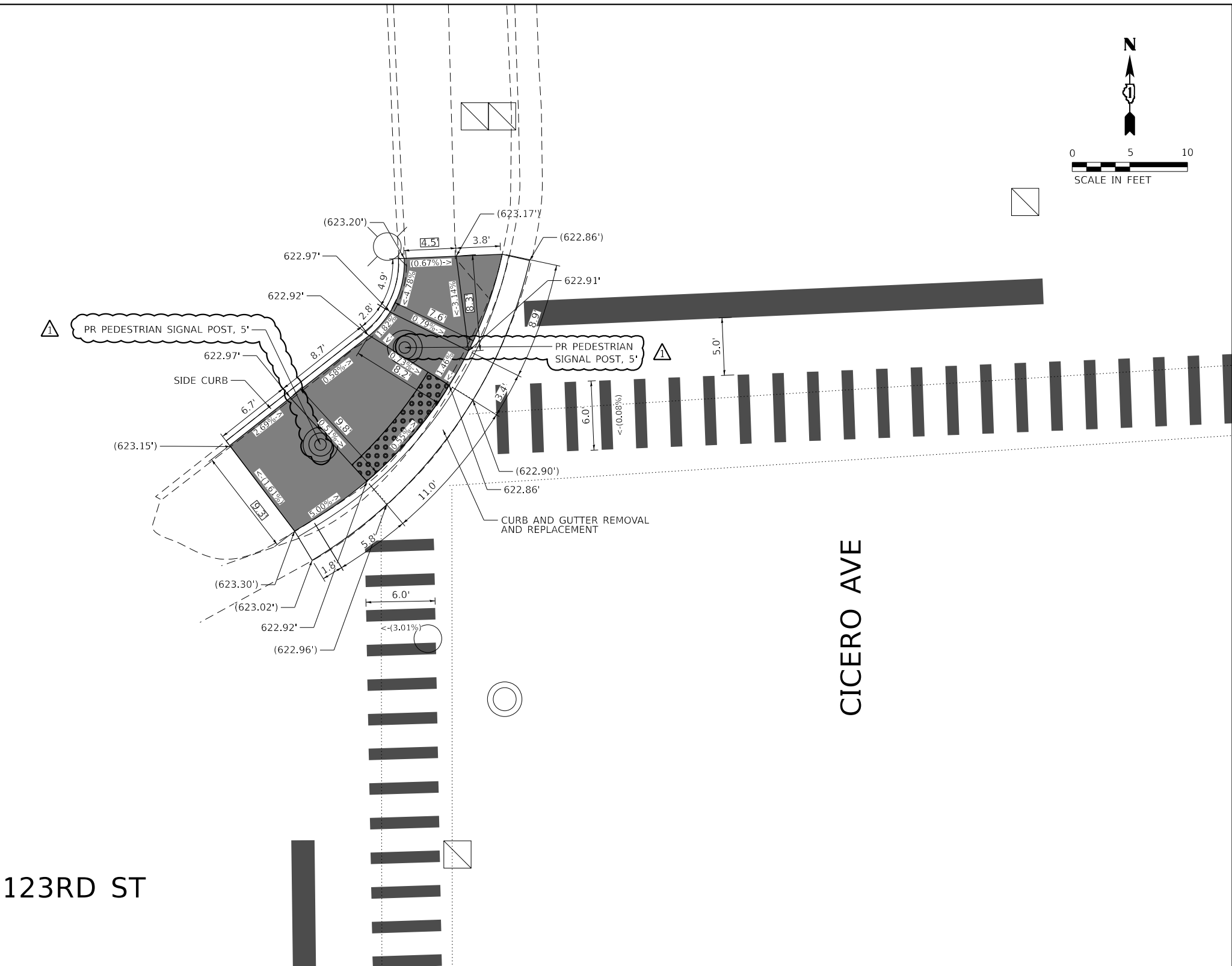
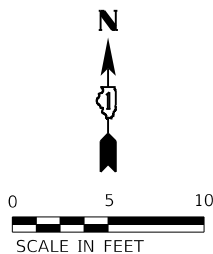
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CICERO AVE (95TH STREET TO 123RD PLACE)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	3
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 623.103
BENCHMARK: CONTROL POINT CUT CROSS ON WALK
LOCATION: 15 FEET SW OF CENTER OF LIGHT POLE AT NW CORNER OF S CICERO AVE AND 123RD ST

LEGEND

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

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CHECKED - MM
DATE - 4/8/2025

REVISED - AD 4/8/2025
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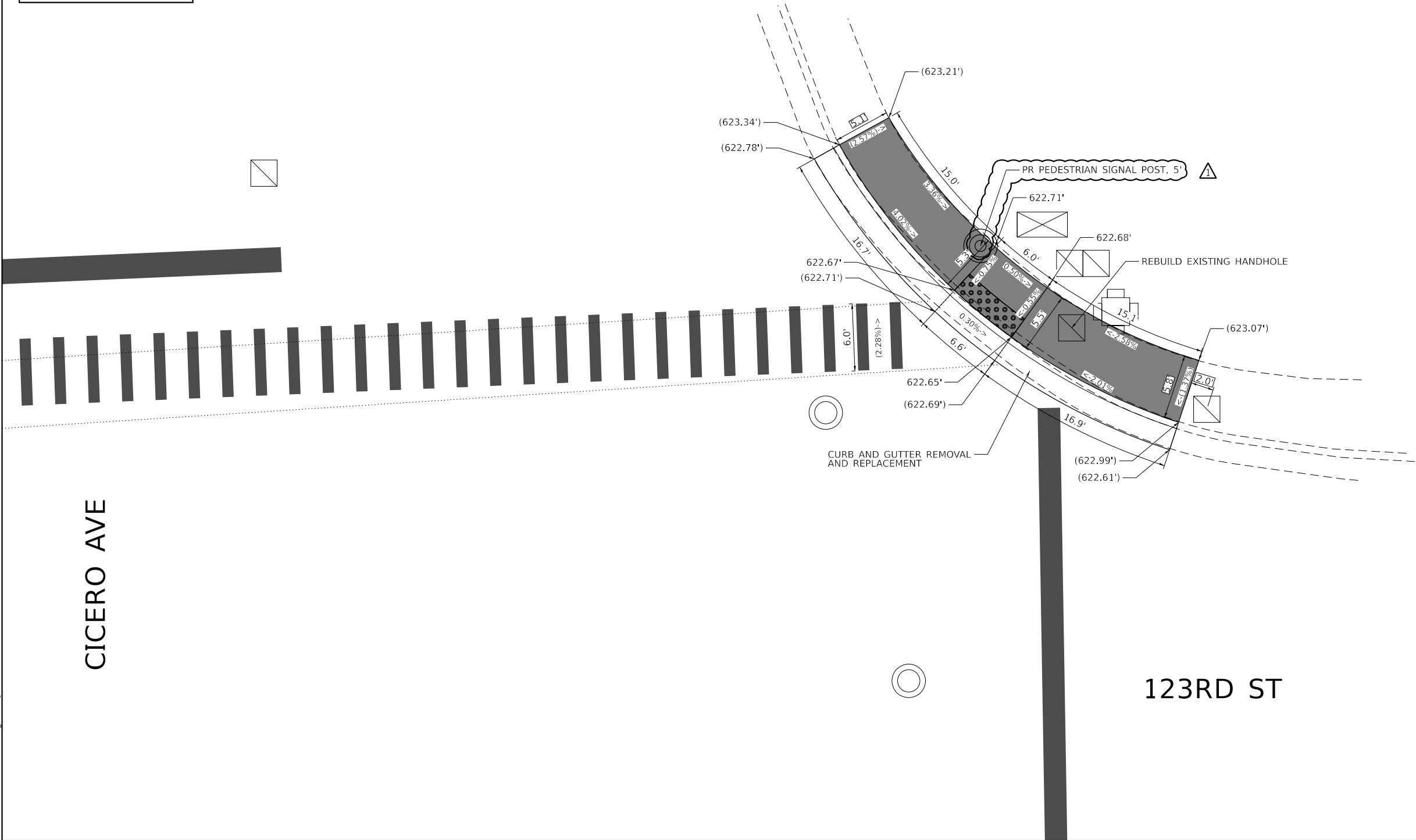
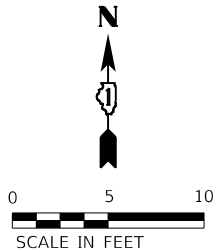
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 123RD ST

SCALE: 1" = 10' SHEET 4 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	27
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 623.103
BENCHMARK: CONTROL POINT CUT CROSS ON WALK
LOCATION: 15 FEET SW OF CENTER OF LIGHT POLE AT NW CORNER OF S CICERO AVE AND 123RD ST

LEGEND

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

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PLOT DATE	= 4/8/2025	DATE -	4/8/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 123RD ST

SCALE: 1" = 10' SHEET 5 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	28
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

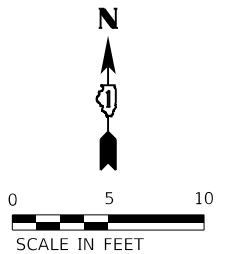
120TH ST

CICERO AVE



FRAMES AND LIDS TO BE ADJUSTED -

— SIDE CURB

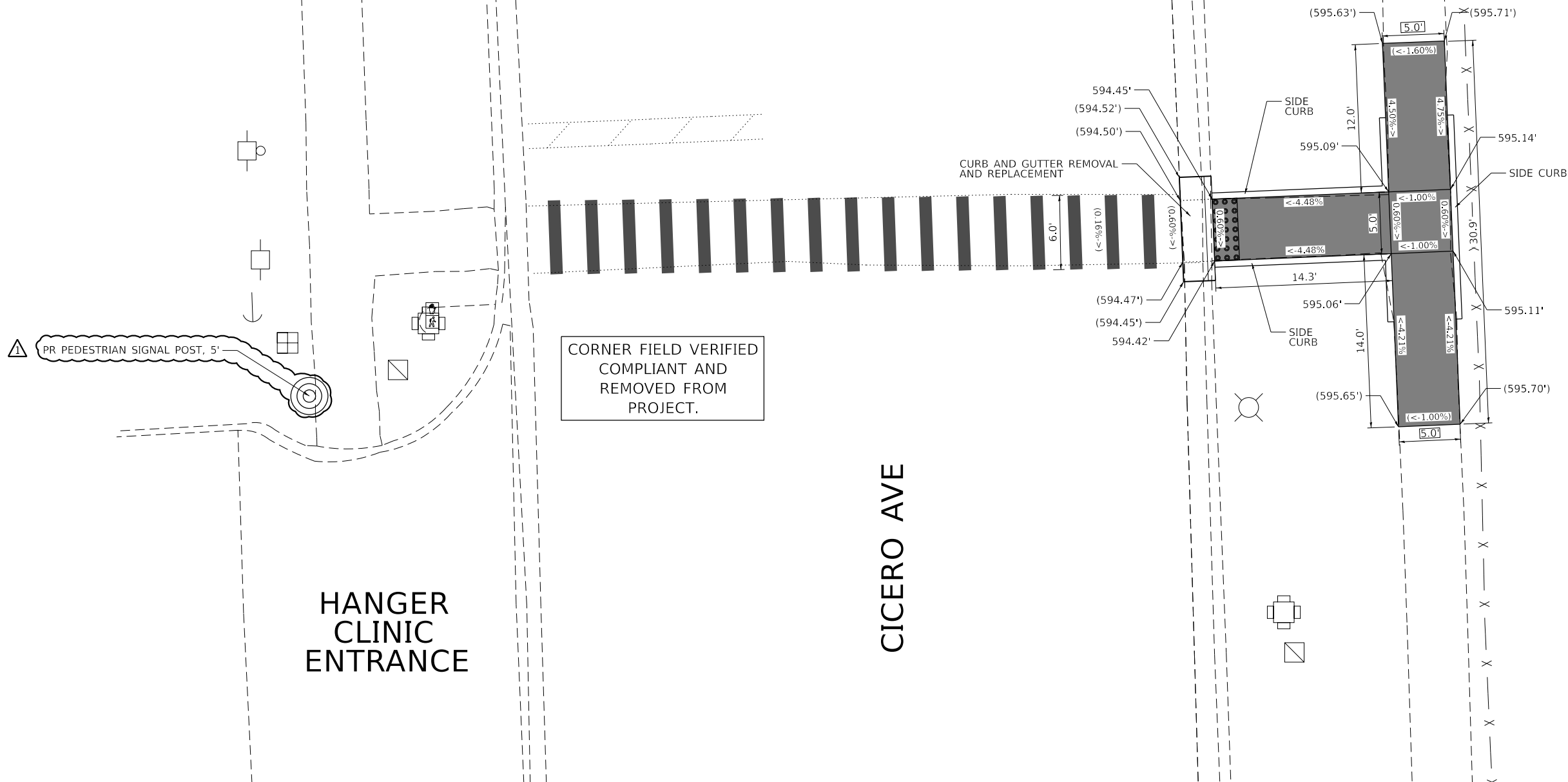
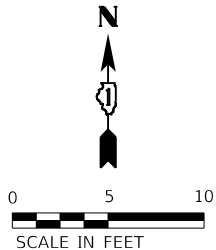


PROPOSED LENGTH

J. 62V30

ILLINOIS	FED. AID PROJECT
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CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 595.337
BENCHMARK: TRAFFIC SIGNAL HAND HOLE
LOCATION: 8.1 FEET E OF IL 50 (CICERO AVENUE) AND N. MDWEST BANK ENTRANCE

LEGEND

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

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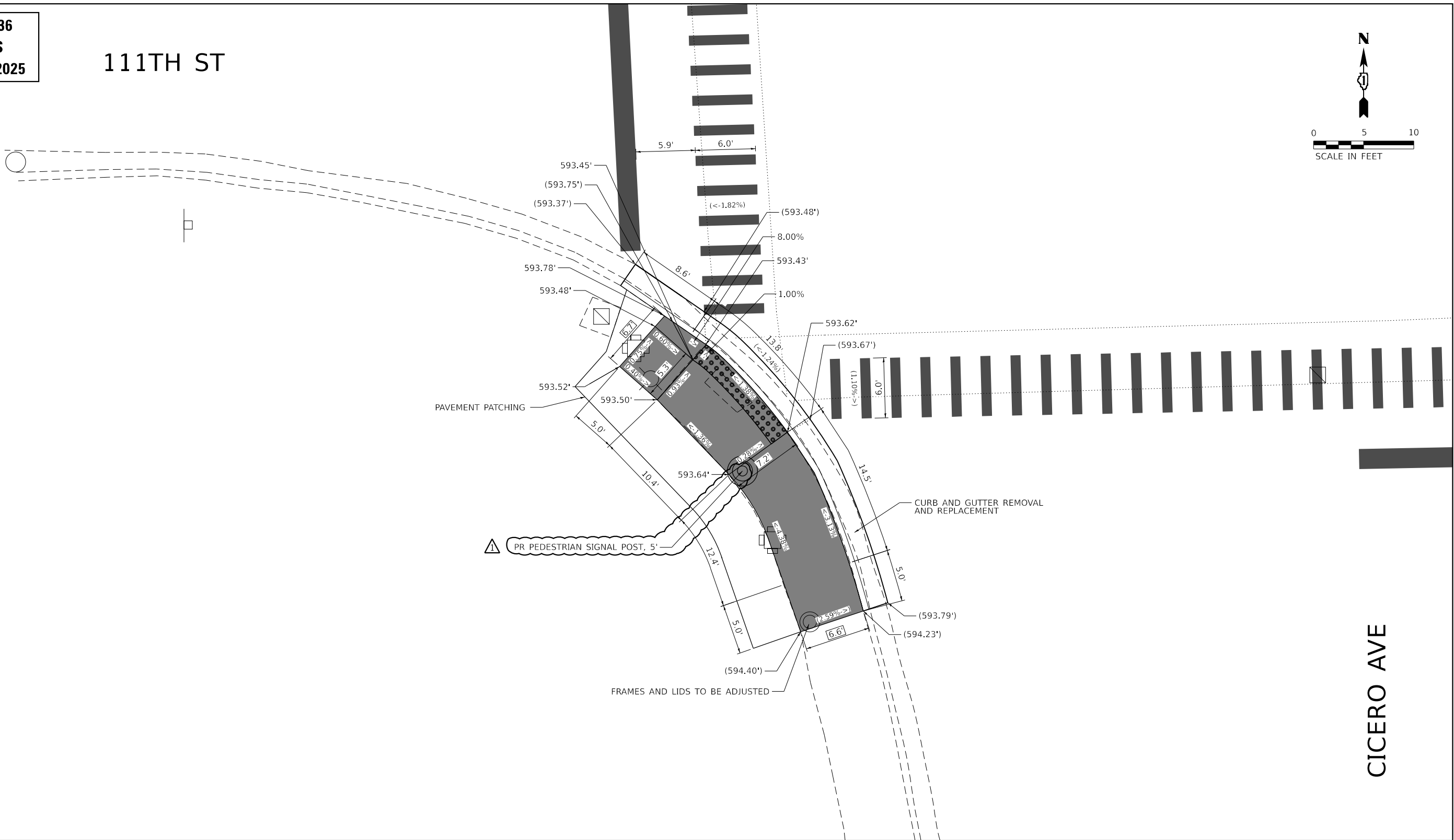
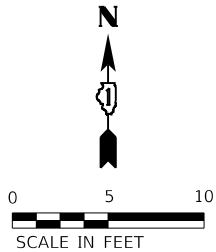
ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT HANGER CLINIC ENTRANCE

SCALE: 1" = 10' SHEET 16 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	39
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025

111TH ST



CICERO AVE

LOCATION: SW CORNER OF CICERO AVE AT 111TH ST

LEGEND

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

STATE OF ILLINOIS
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ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 111TH ST

SCALE: 1" = 10' SHEET 19 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	42
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

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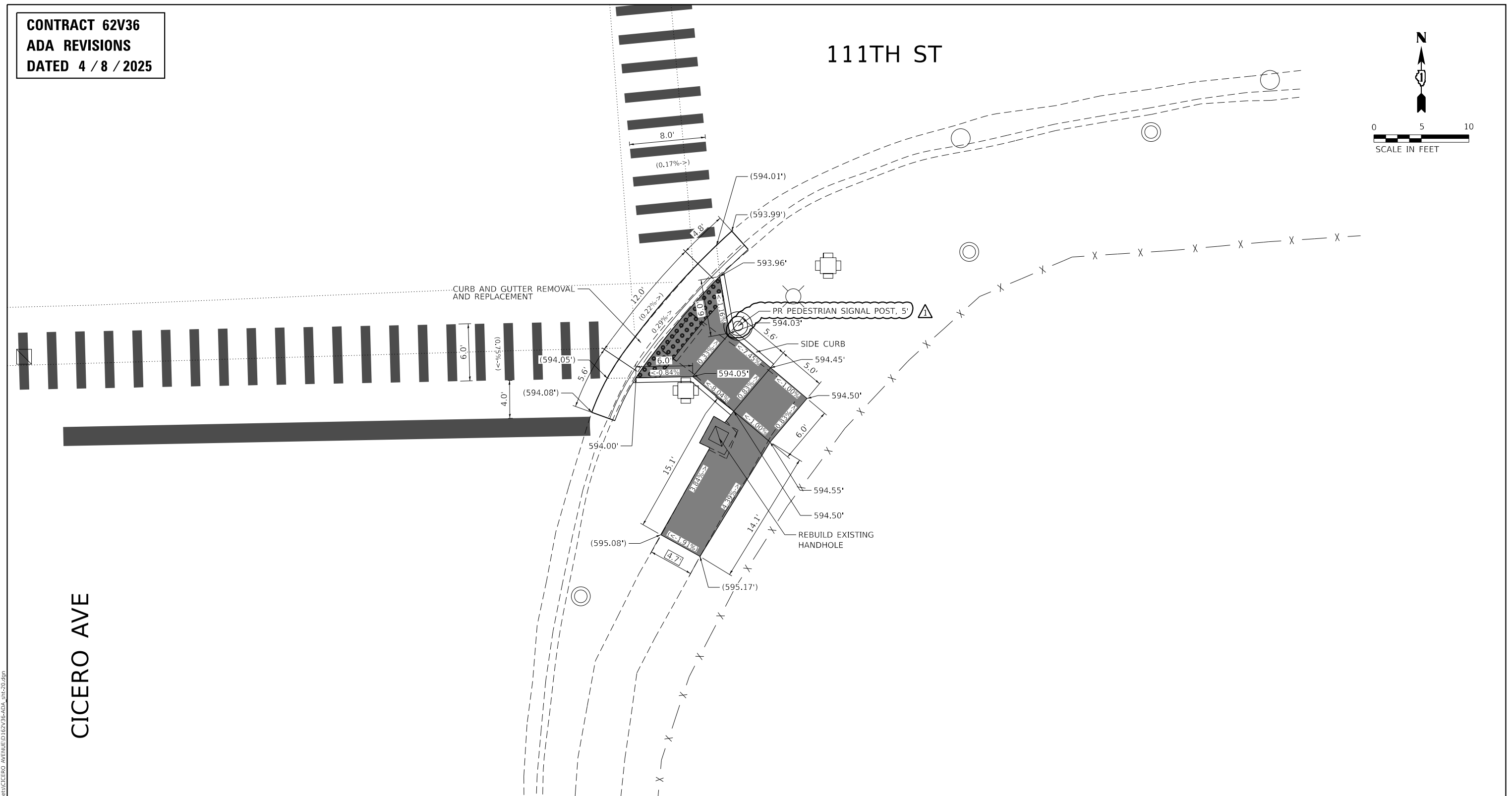
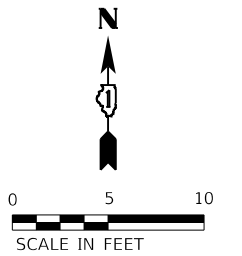
401 S CARLTON AVE
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WHEATON, IL 60187
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CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 594.952


BENCHMARK: CONTROL POINT CROSS ON WALK

LOCATION: 18.9 FEET SOUTH OF SE CORNER 18.9 FEET SOUTH OF SE CORNER

LEGEND

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

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PLOT DATE = 4/8/2025	DATE = 4/8/2025	REVISED -

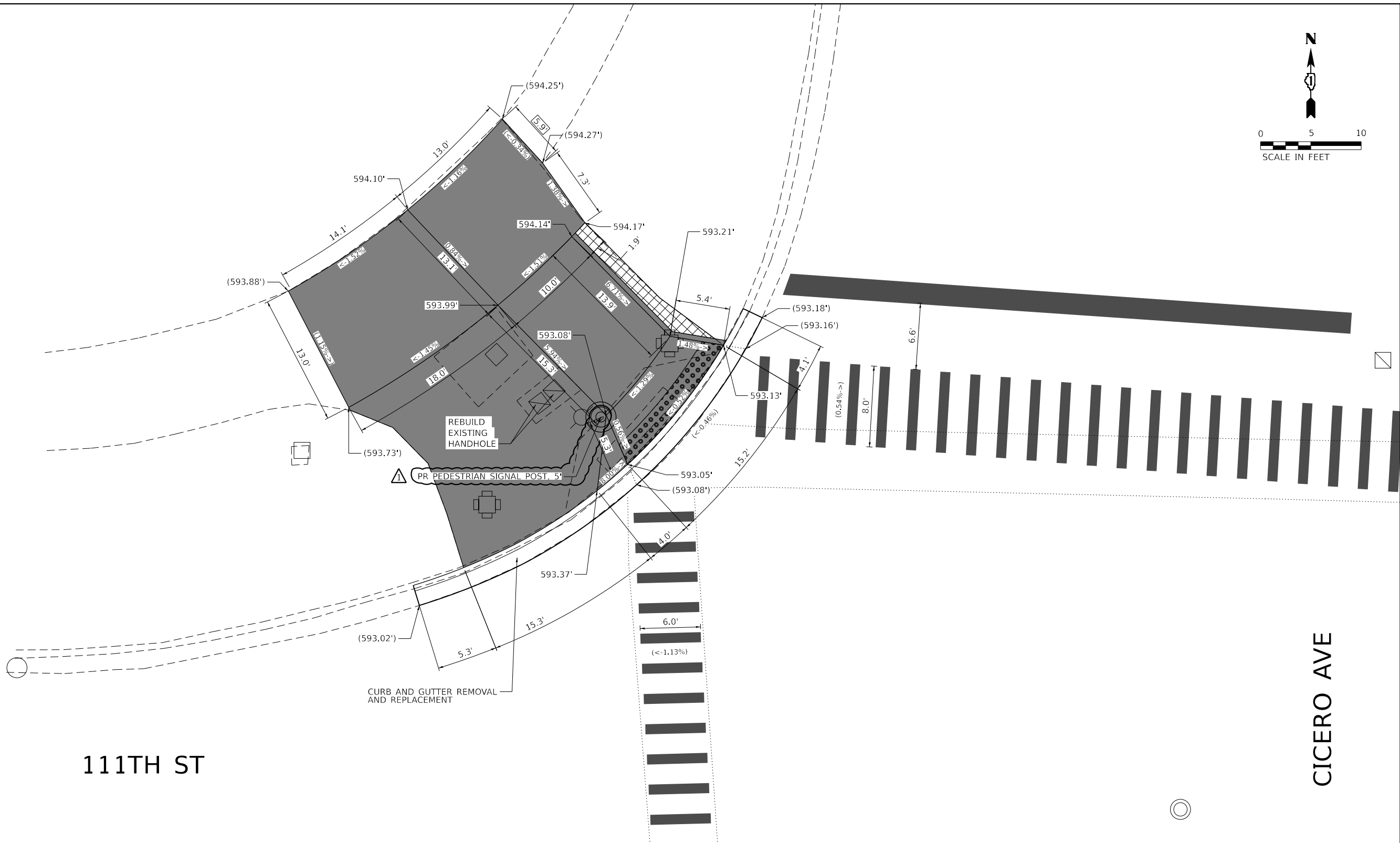
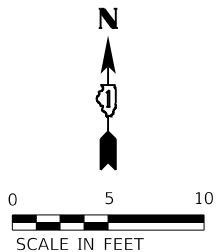
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 111TH ST**

SCALE: 1" = 10'	SHEET 20 OF 72 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	43
		CONTRACT NO. 62V36		
	ILLINOIS	FED. AID PROJECT		

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



111TH ST

CICERO AVE

REFERENCE BENCHMARK: ELEV. 593.622
BENCHMARK: CONTROL POINT CROSS ON WALK
LOCATION: 8.4 FEET NORTH OF NW CORNER OF IL 50 (CICERO AVENUE) AND 111TH STREET

LEGEND

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

OSEH inc.

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PLOT SCALE	= 10.0000 ' / in.	DATE	4/8/2025	REVISED -	
PLOT DATE	= 4/8/2025				

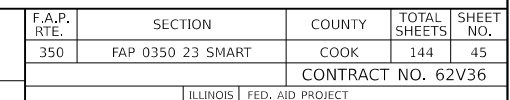
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 111TH ST

SCALE: 1" = 10' SHEET 21 OF 72 SHEETS STA. TO STA.

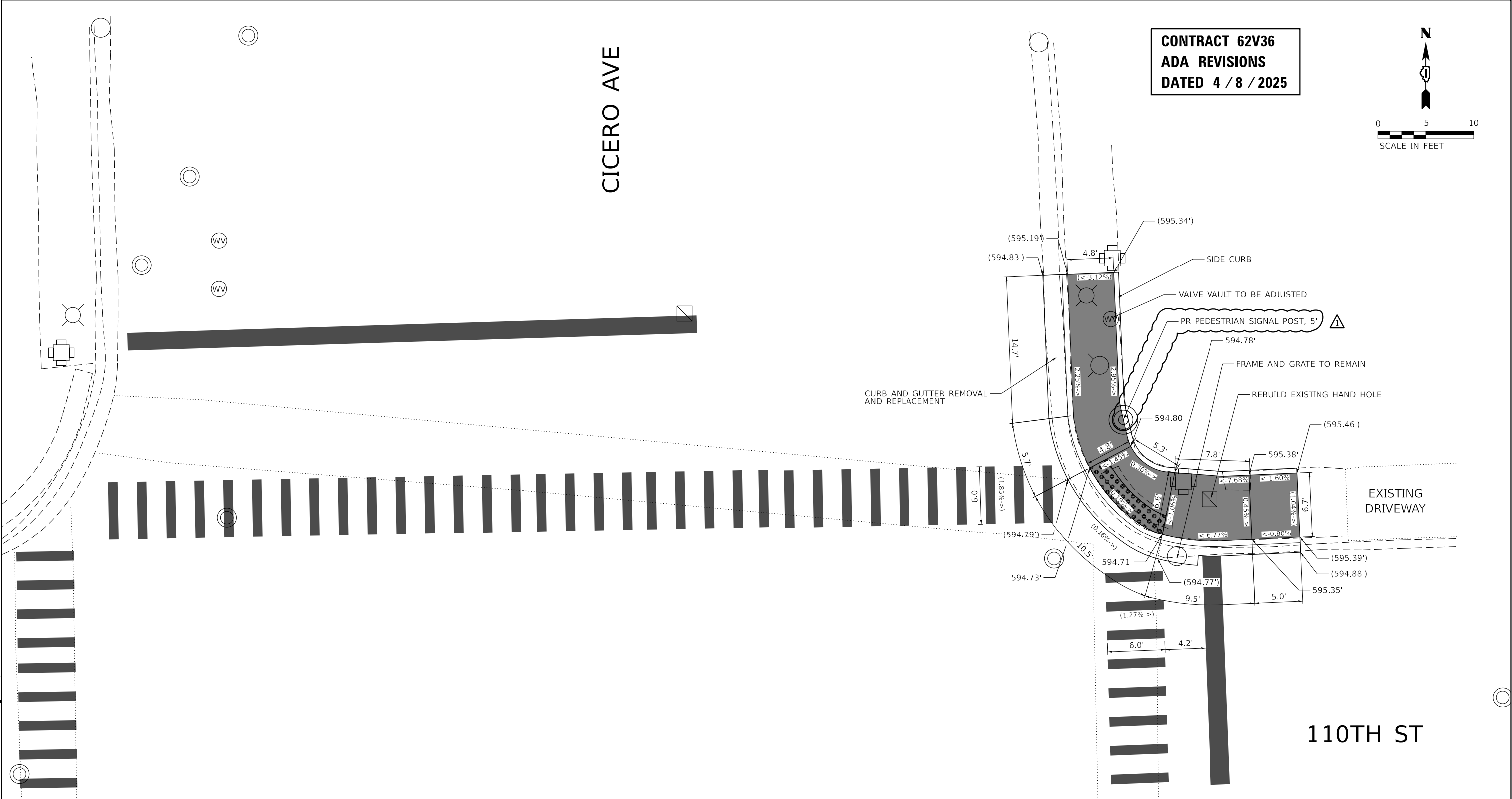
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	44
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

A north arrow pointing upwards with the letter 'N' at the top. Below the arrow is a scale bar marked with 0, 5, and 10. The text 'SCALE IN FEET' is written below the scale bar.



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FILE NAME: 23330003\Projects\DOT\I11C-002-000003_Design\02_CADD Sheets\CICERO AVE\I11C-002-000003-ADA_sht-24.dgn



LOCATION: NE CORNER OF CICERO AVE AT 110TH ST

LEGEND

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

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	PLOT DATE = 4/8/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 110TH ST

SCALE: 1" = 10' SHEET 24 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	47
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

105TH ST

CICERO AVE

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025

LOCATION: SW & SE CORNERS OF CICERO AVE AT 105TH ST

LEGEND



PROPOSED DETECTABLE WARNINGS



DEPRESSED CURB AND GUTTER



PAVEMENT PATCHING



REMOVE AND REINSTALL BRICK PAVER



SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD



PROPOSED PCC SIDEWALK



PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B

()

EXISTING ELEVATION/SLOPE

XX.X'

EXISTING LENGTH

XX.X'

PROPOSED LENGTH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 105TH ST

SCALE: 1" = 10'

SHEET 37

OF 72

SHEETS

STA.

TO STA.

F.A.P.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

350

FAP 0350 23 SMART

COOK

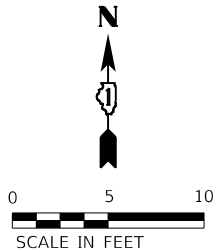
144

60

CONTRACT NO. 62V36

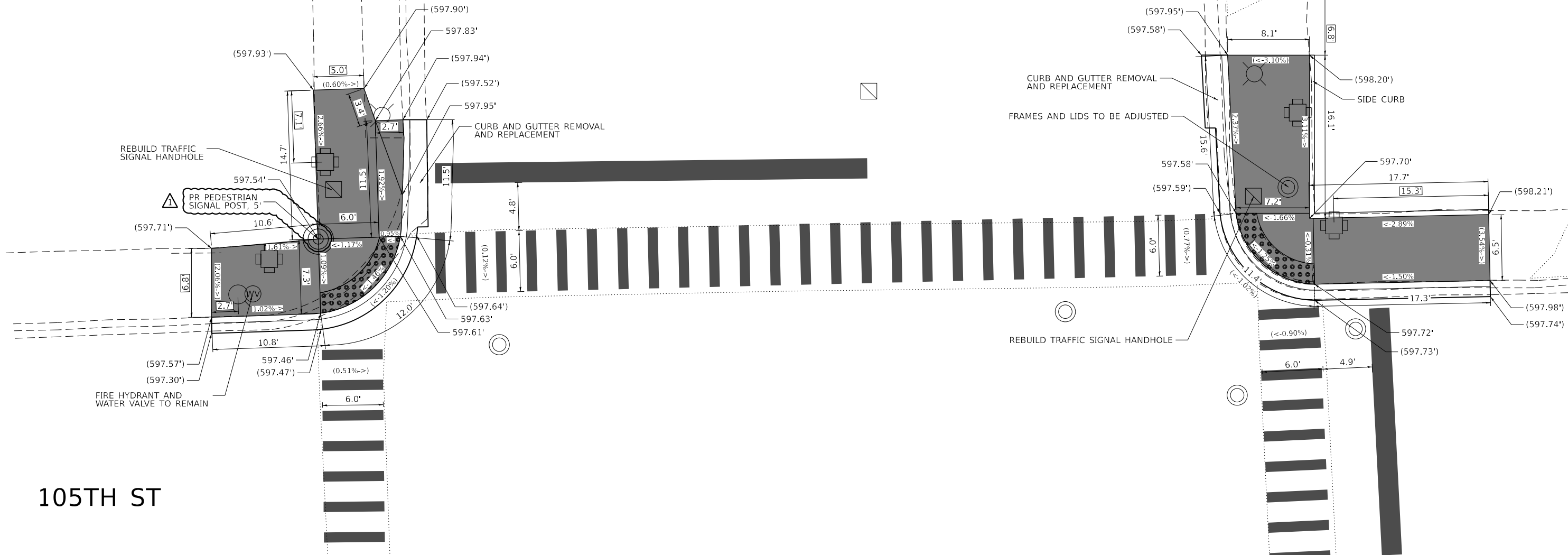
ILLINOIS FED. AID PROJECT

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



CICERO AVE

EXISTING DRIVEWAY



105TH ST

REFERENCE BENCHMARK: ELEV. 597.572

BENCHMARK: CONTROL POINT CROSS ON WALK

LOCATION: 4.7' N OF CORNER AT NW CORNER OF IL 50 (CICERO AVENUE) AND 105TH STREET

LEGEND

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

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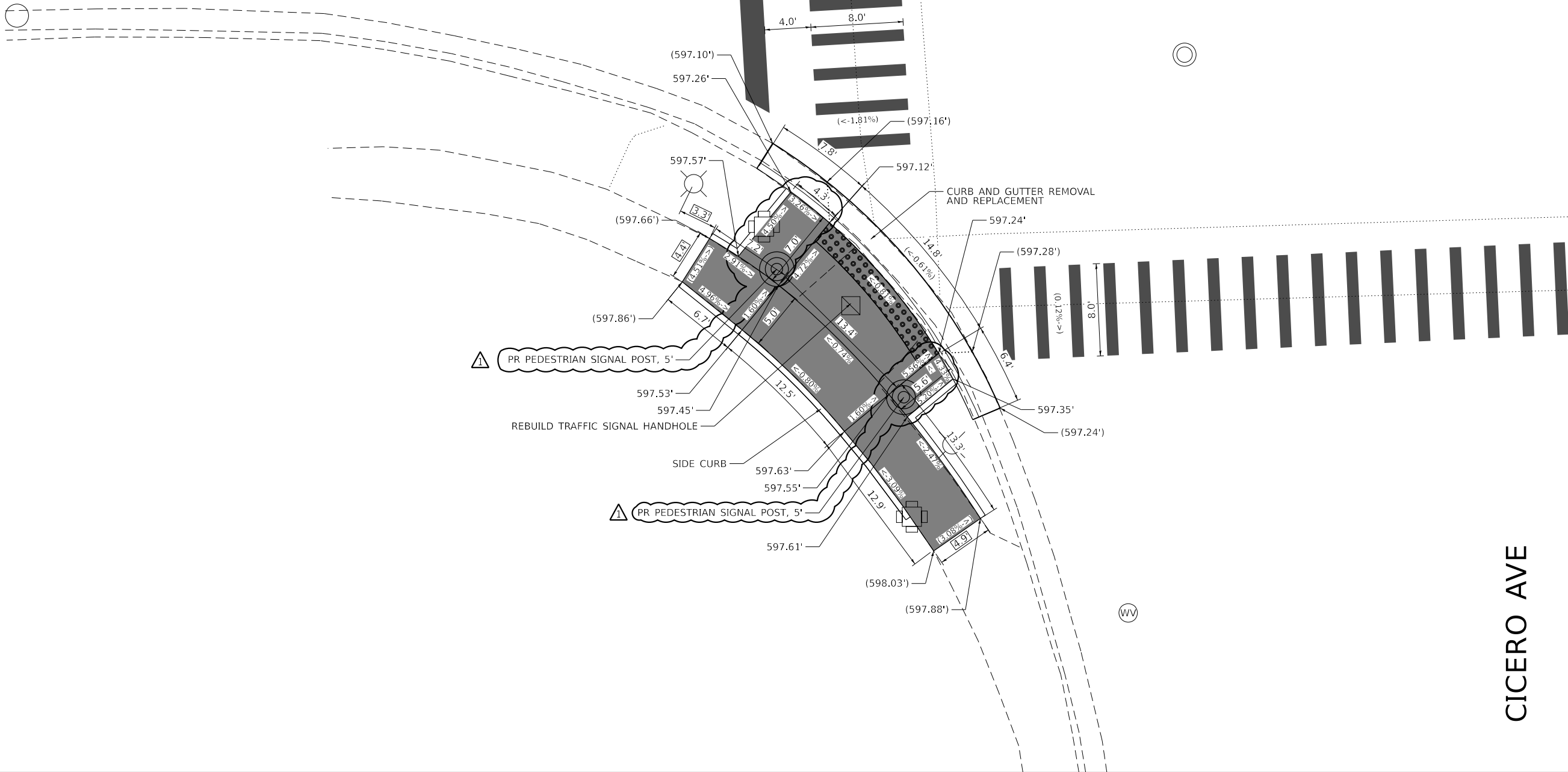
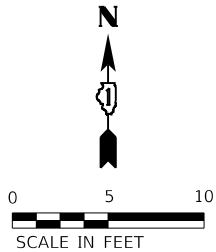
ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 105TH ST

SCALE: 1" = 10' SHEET 38 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	61
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025

103RD ST



LOCATION: SW CORNER OF CICERO AVE AT 103RD ST

LEGEND

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

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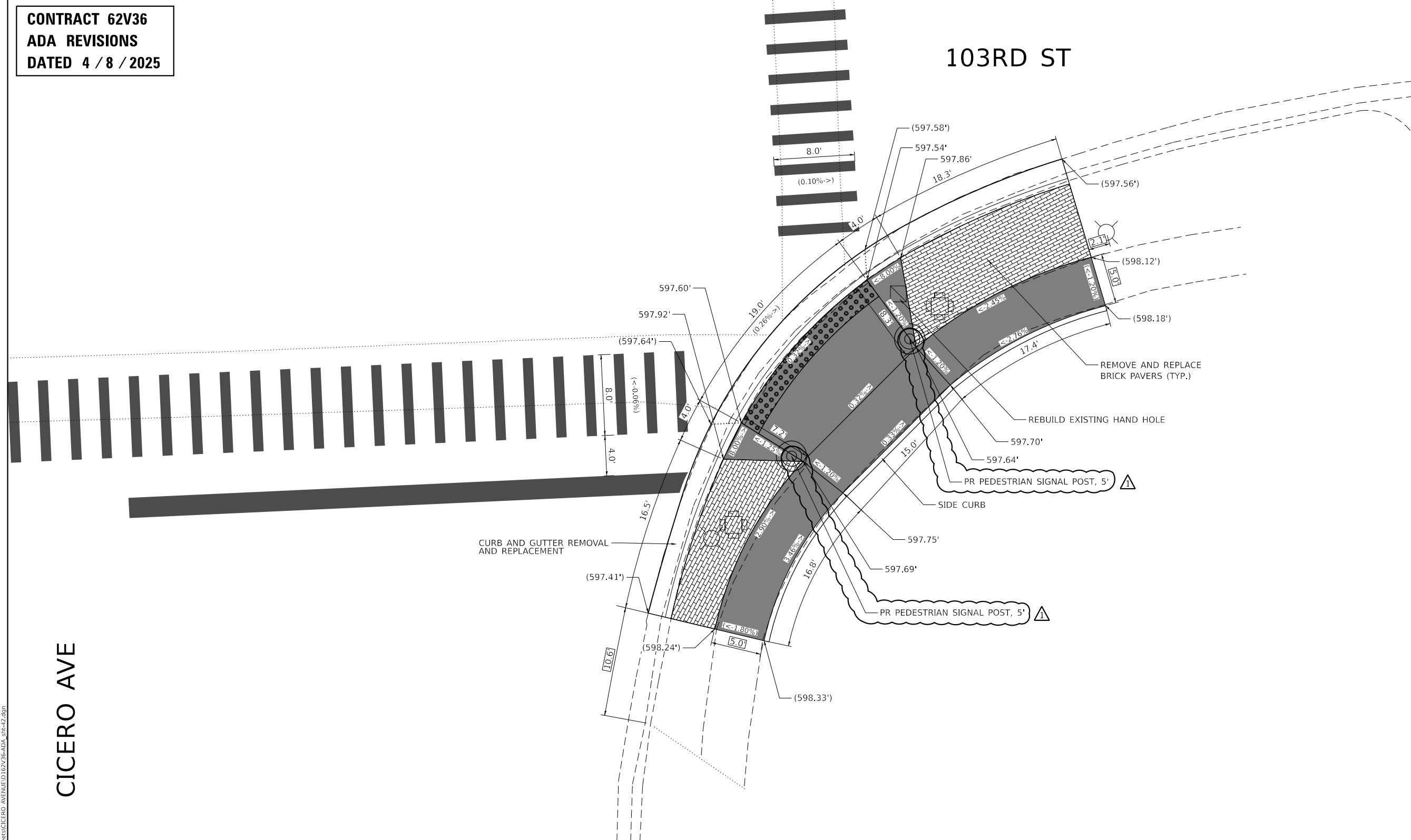
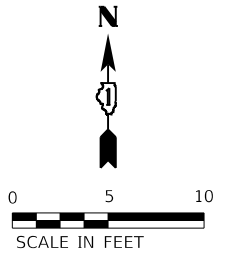
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 103RD ST

SCALE: 1" = 10' SHEET 41 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	64
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



CICERO AVE

LOCATION: SE CORNER OF CICERO AVE AT 103RD ST


LEGEND

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

FILE NAME: Z:\Shared\PO

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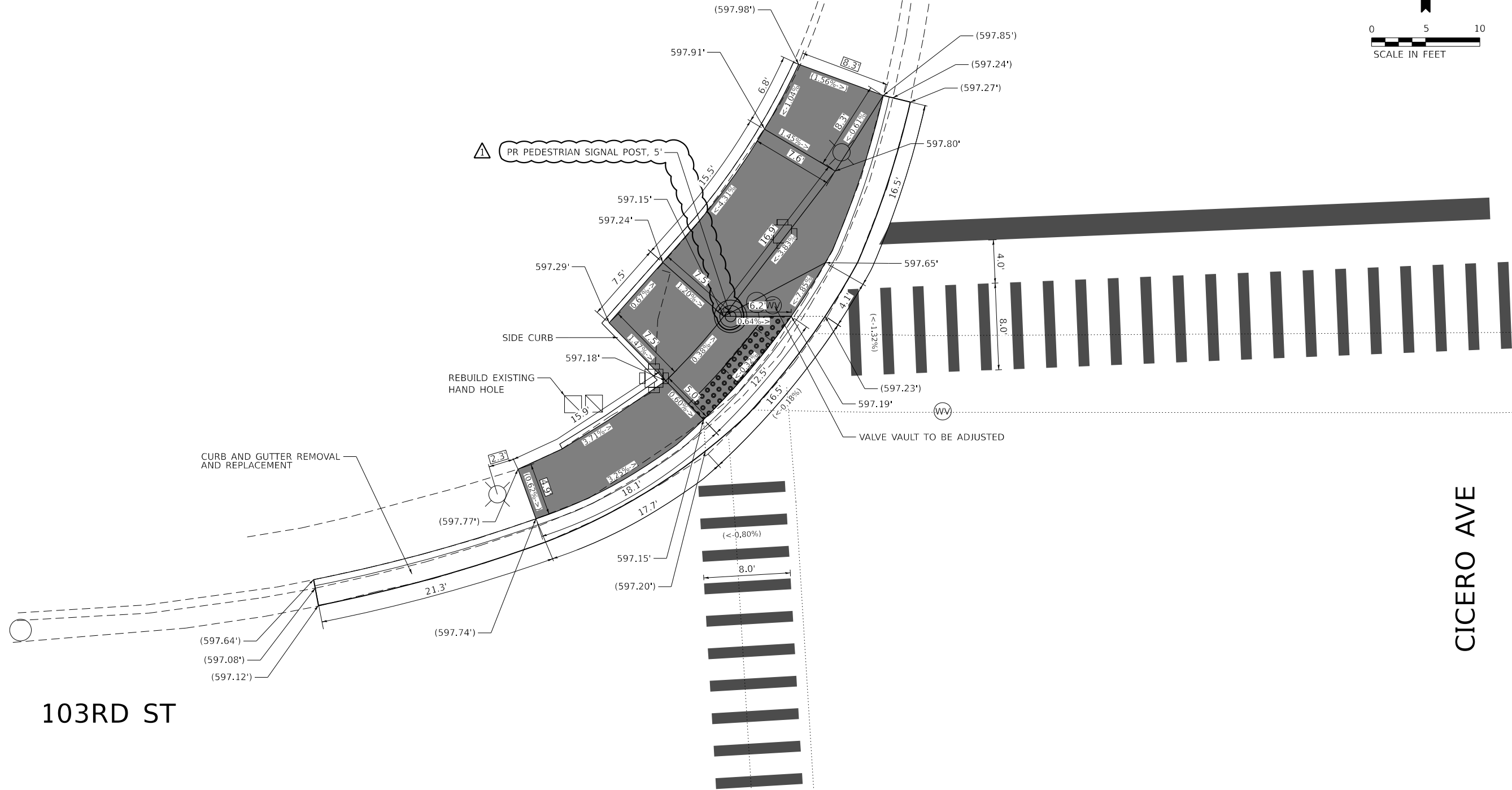
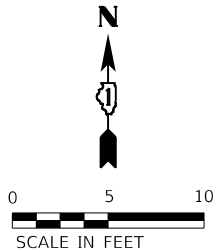
STATE OF ILLINOIS
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**ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 103RD ST**

SCALE: 1" = 10'	SHEET 42 OF 72 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	65
		CONTRACT NO. 62V36		
		ILLINOIS	FED. AID PROJECT	

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 597.652
BENCHMARK: CONTROL POINT CUT CROSS ON WALK
LOCATION: 8.3 FEET WEST OF NW CORNER OF IL 50 (CICERO AVENUE) AND 103RD STREET

LEGEND

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

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DATE - 4/8/2025
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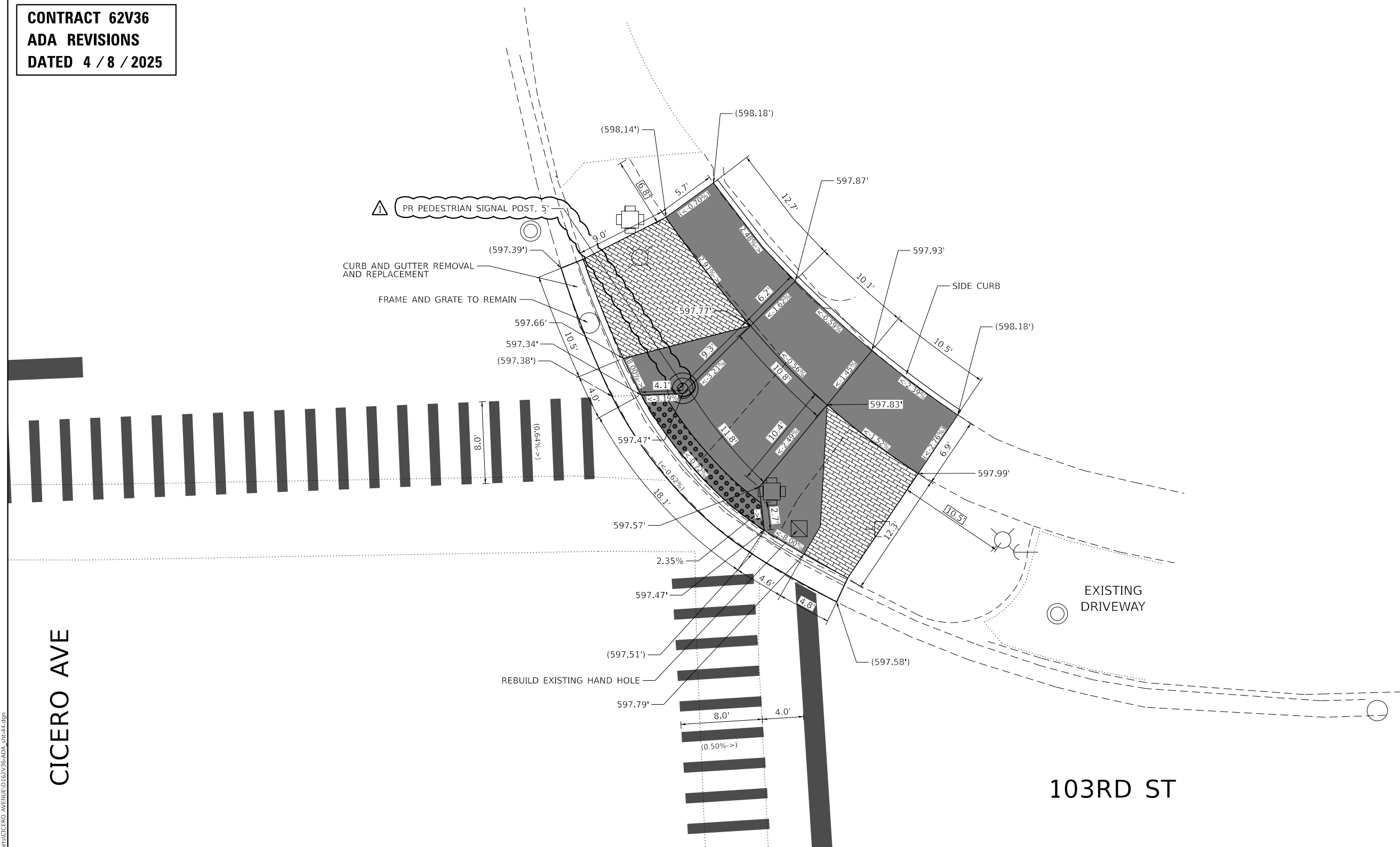
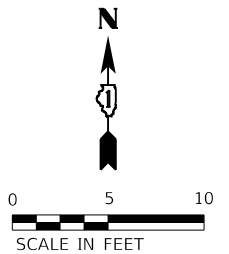
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 103RD ST

SCALE: 1" = 10' SHEET 43 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	66
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



LEGEND



PROPOSED DETECTABLE WARNINGS



DEPRESSED CURB AND GUTTER



PAVEMENT PATCHING



REMOVE AND REINSTALL BRICK PAVER



SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD



PROPOSED PCC SIDEWALK



PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B



EXISTING ELEVATION/SLOPE



EXISTING LENGTH




PROPOSED LENGTH

LOCATION: NE CORNER OF CICERO AVE AT 103RD ST

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SUITE 201
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REVISED	-	
REVISED	-	
REVISED	-	

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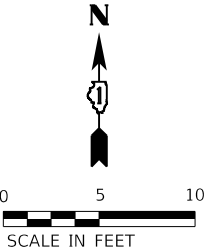
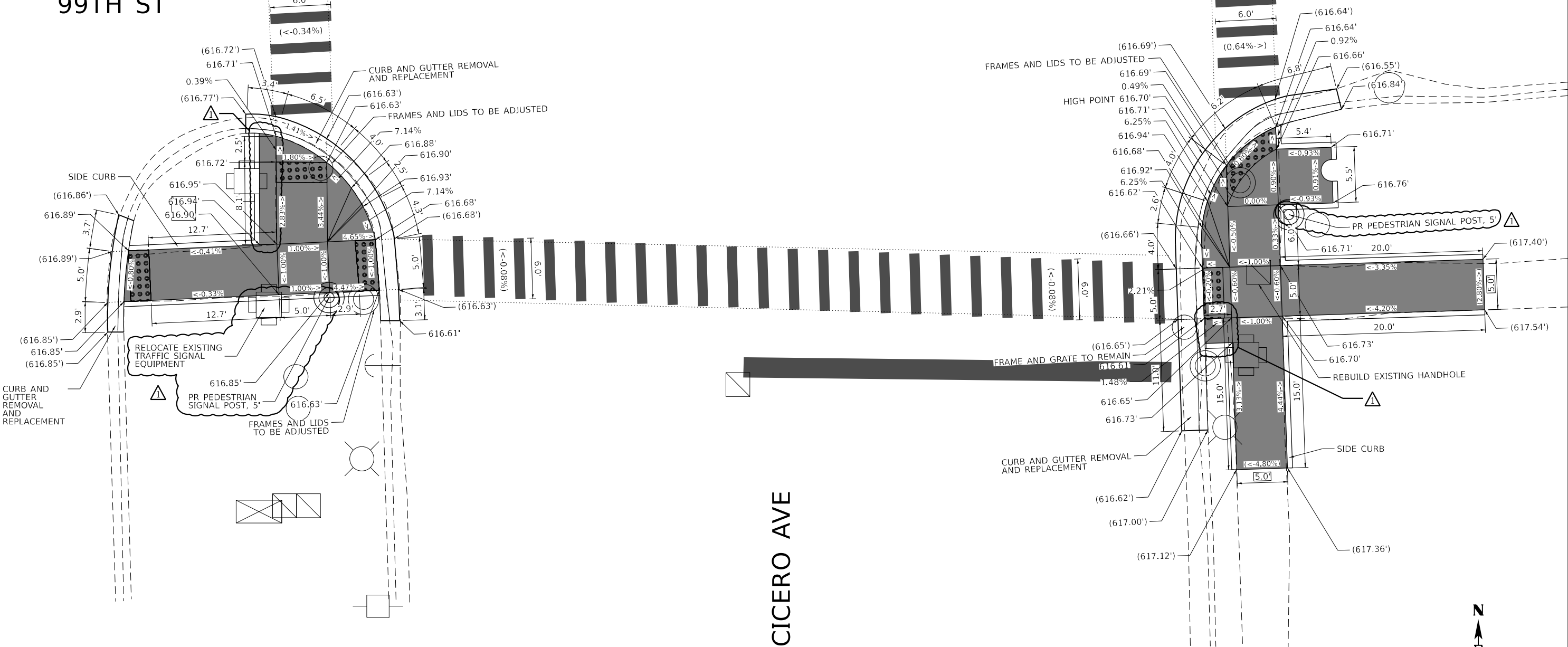
**ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 103RD ST**

SCALE: 1" = 10'	SHEET 44 OF 72 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	67
		CONTRACT NO. 62V36		
		ILLINOIS	FED. AID PROJECT	

99TH ST

CICERO AVE



REFERENCE BENCHMARK: ELEV. 617.130
BENCHMARK: CONTROL POINT CUT CROSS ON WALK
LOCATION: 3 FEET SOUTHWEST OF UTILITY POLE AT THE NORTHWEST CORNER
OF US 50 (CICERO AVENUE) AND 99TH STREET

LEGEND

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

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350		FAP 0350 23 SMART	COOK	144	75
CONTRACT NO. 62V36					
ILLINOIS		FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 99TH ST

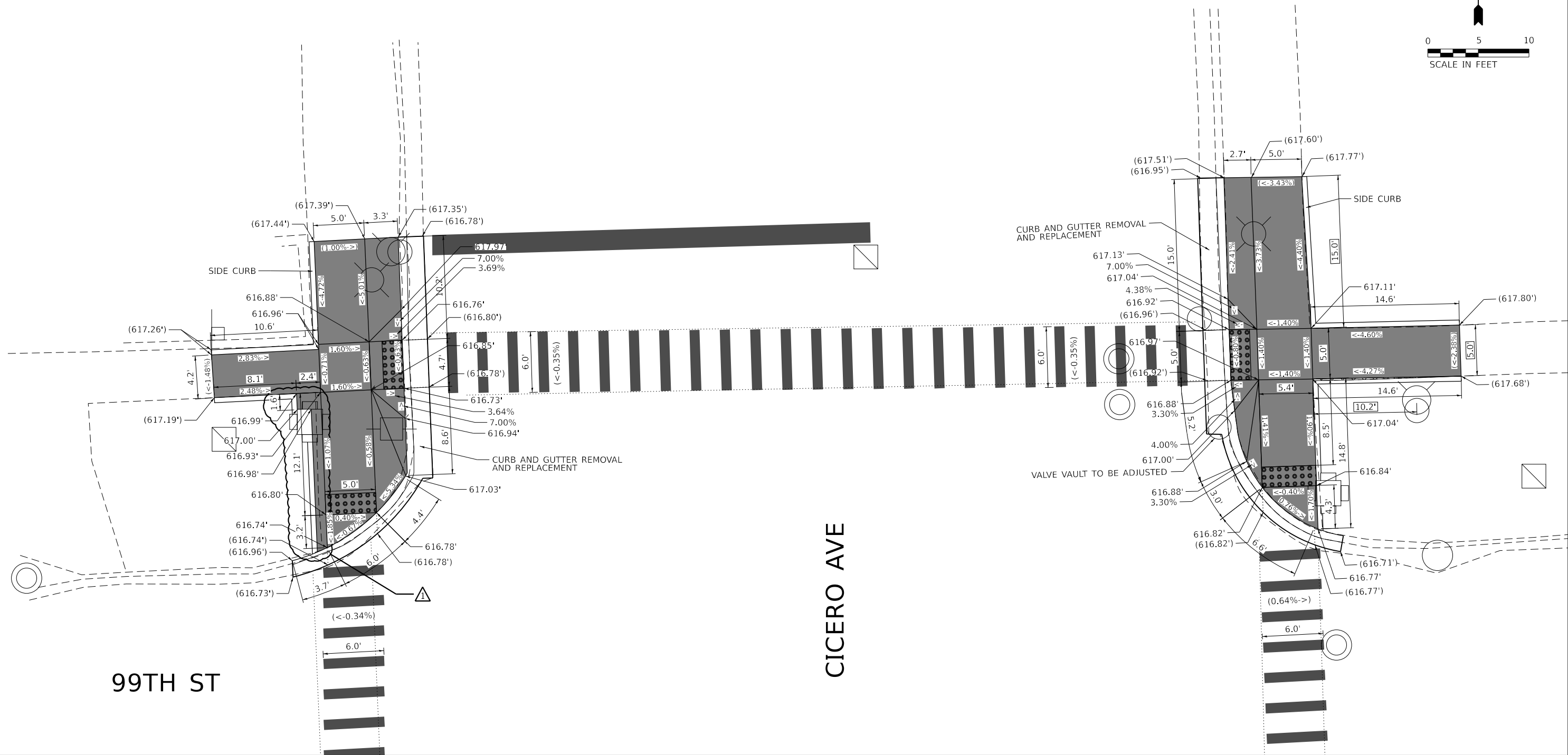
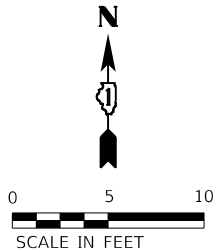
SCALE: 1" = 10' SHEET 52 OF 72 SHEETS STA. TO STA.

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CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 617.13

BENCHMARK: CONTROL POINT CROSS ON WALK

LOCATION: 11.6' S OF CORNER AT NW CORNER OF US 50 (CICERO AVENUE) AND 99TH STREET

LEGEND

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

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DRAWN	- AD	CHECKED -	MM	REVISED -	
PLOT SCALE	= 10.0000 ' / in.	DATE	- 4/8/2025	REVISED -	
PLOT DATE	= 4/8/2025				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

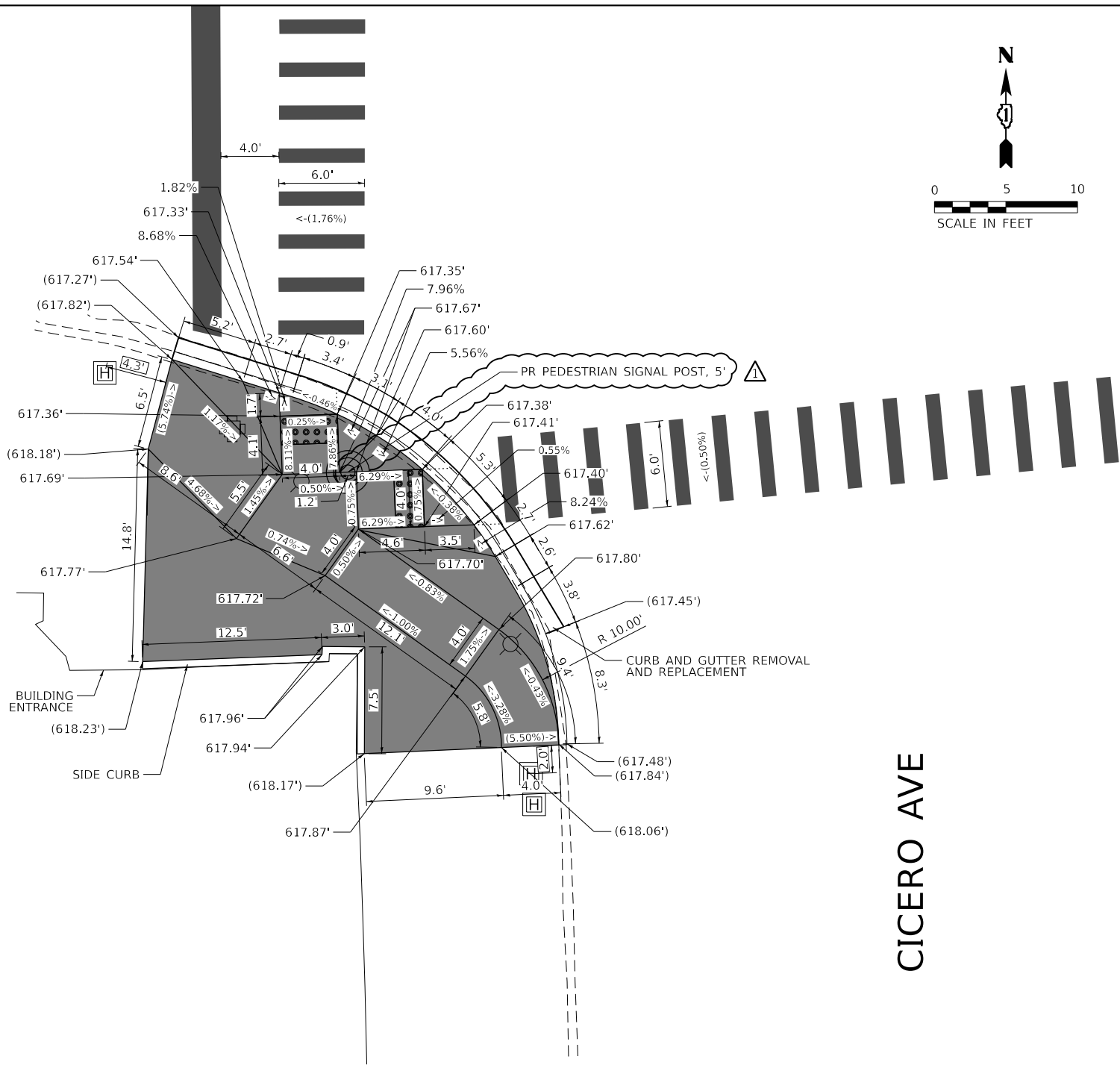
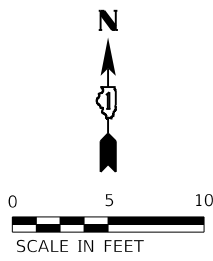
ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 99TH ST

SCALE: 1" = 10' SHEET 53 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	76
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025

95TH ST



CICERO AVE

REFERENCE BENCHMARK: ELEV. 618.050
BENCHMARK: SET ON NW BOLT OF TRAFFIC SIGNAL MAST ARM BASE
LOCATION: SE CORNER OF 95TH ST AND CICERO AVE

LEGEND

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

MODEL: \\STATE\MODELS\NAMES
FILE NAME: 23 Smart\03\Projects\DOT\IJC-002-000003_Design\02_CADD Sheets\CICERO AVE\IJC02-002-000003-ADA_sht-68.dgn

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

USER NAME = AlexDeFrancesco	DESIGNED - AD	REVISED - AD 4/8/2025
	DRAWN - AD	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - MM	REVISED -
PLOT DATE = 4/8/2025	DATE - 4/8/2025	REVISED -

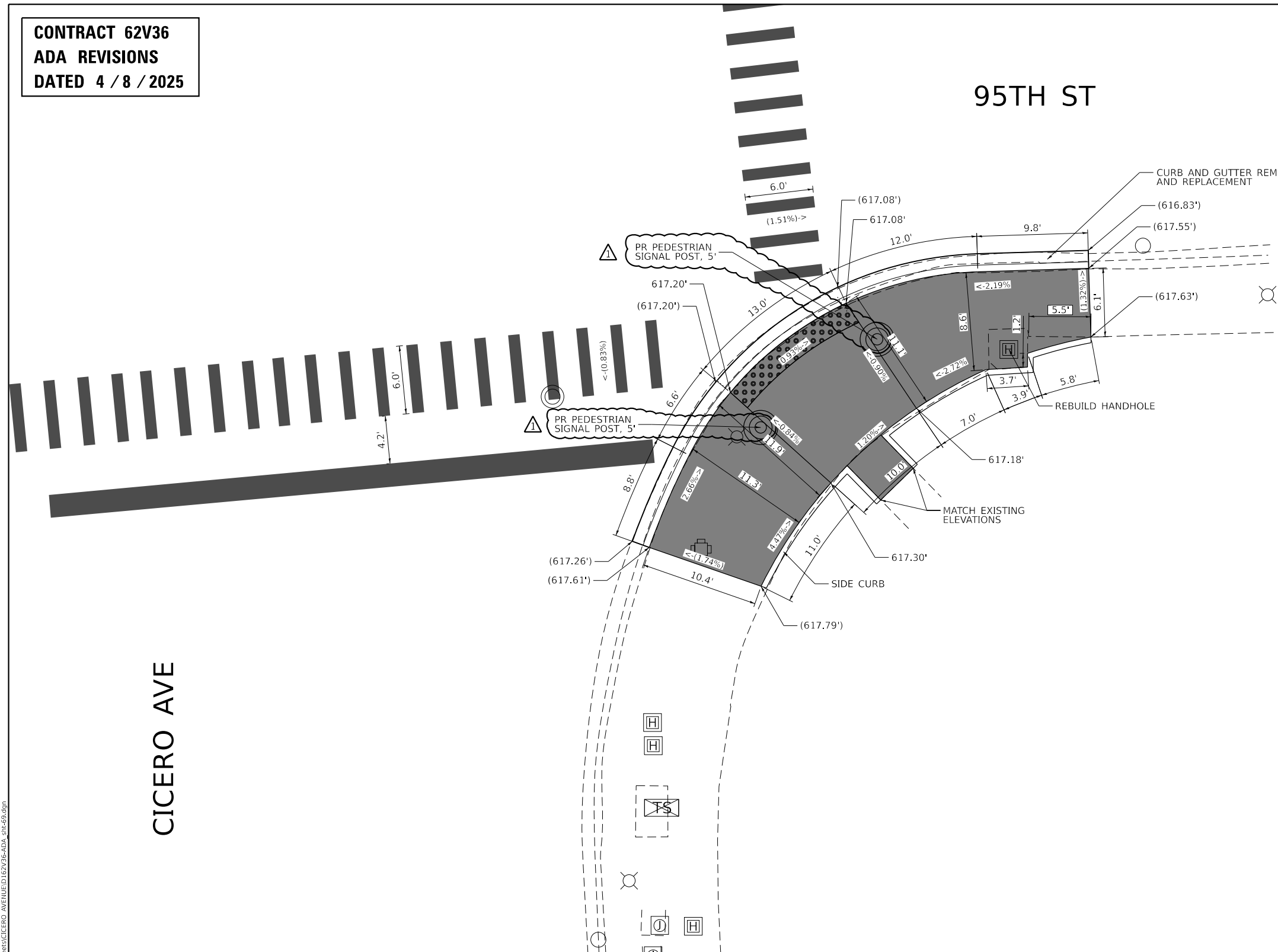
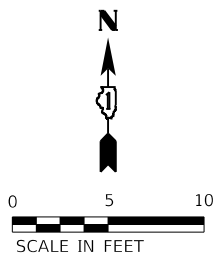
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 95TH ST

SCALE: 1" = 10' SHEET 69 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	92
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



REFERENCE BENCHMARK: ELEV. 618.050
BENCHMARK: SET ON NW BOLT OF TRAFFIC SIGNAL MAST ARM BASE
LOCATION: SE CORNER OF 95TH ST AND CICERO AVE

LEGEND

PROPOSED DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PAVEMENT PATCHING

REMOVE AND REINSTALL BRICK PAVER

SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD

PROPOSED PCC SIDEWALK

PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B

()
EXISTING ELEVATION/SLOPE

XX.X'
EXISTING LENGTH

XX.X'
PROPOSED LENGTH

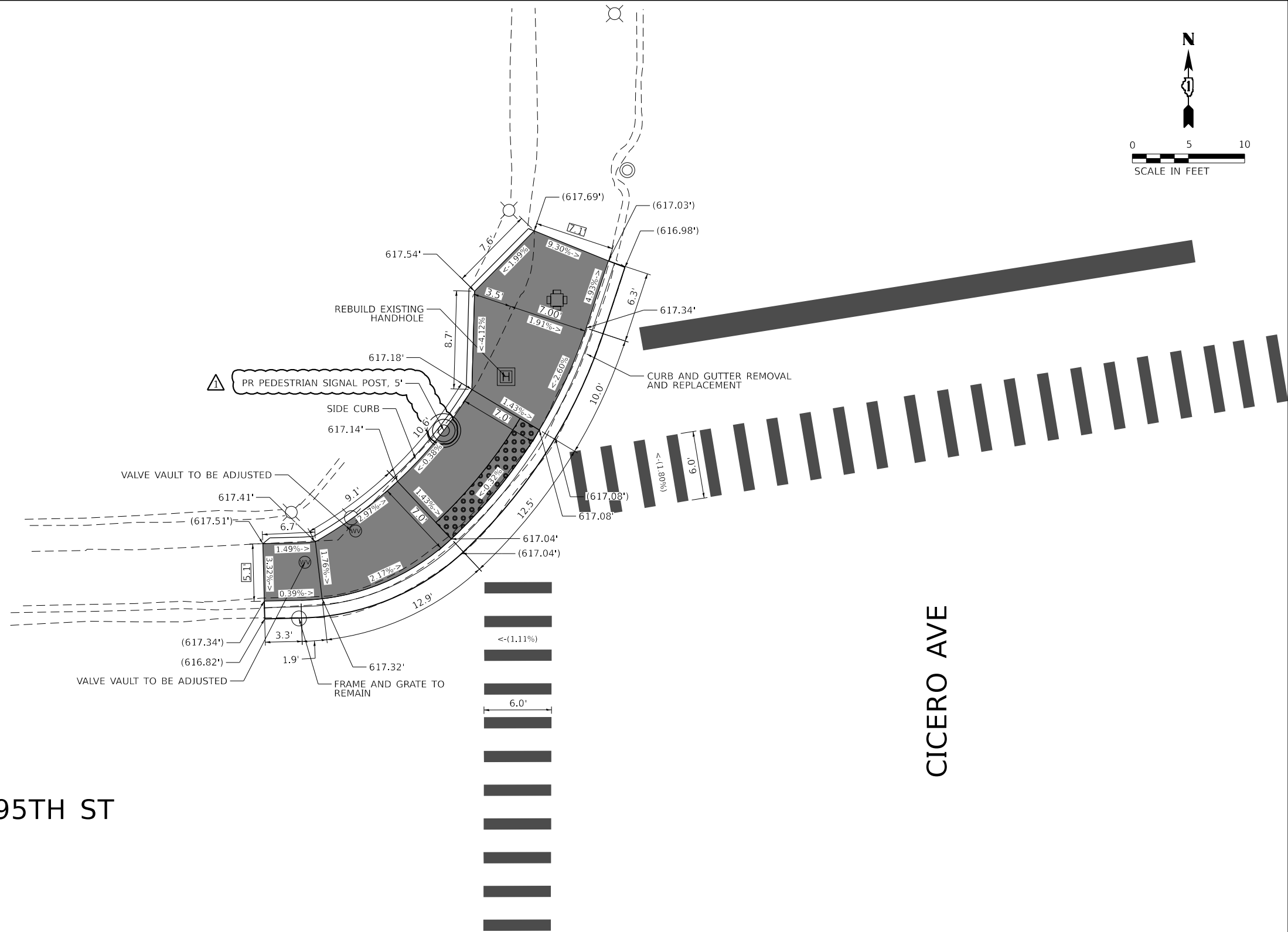
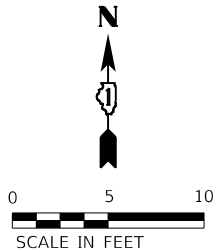
OSEH inc. <div>401 S CARLTON AVE SUITE 201 WHEATON, IL 60187 WWW.OSEHINC.COM</div>	USER NAME = AlexDeFrancesco	DESIGNED - AD	REVISED - AD 4/8/2025
		DRAWN - AD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - MM	REVISED -
	PLOT DATE = 4/8/2025	DATE - 4/8/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN CICERO AVE AT 95TH ST			
SCALE: 1" = 10'	SHEET 70 OF 72 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	93
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



95TH ST

CICERO AVE

REFERENCE BENCHMARK: ELEV. 618.050
BENCHMARK: SET ON NW BOLT OF TRAFFIC SIGNAL MAST ARM BASE
LOCATION: SE CORNER OF 95TH ST AND CICERO AVE

LEGEND

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

OSEH inc.

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

USER NAME = AlexDeFrancesco
DESIGNED - AD
DRAWN - AD
PLOT SCALE = 10.0000 ' / in.
CHECKED - MM
PLOT DATE = 4/8/2025
DATE - 4/8/2025

DESIGNED - AD
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DATE - 4/8/2025

REVISED - AD 4/8/2025
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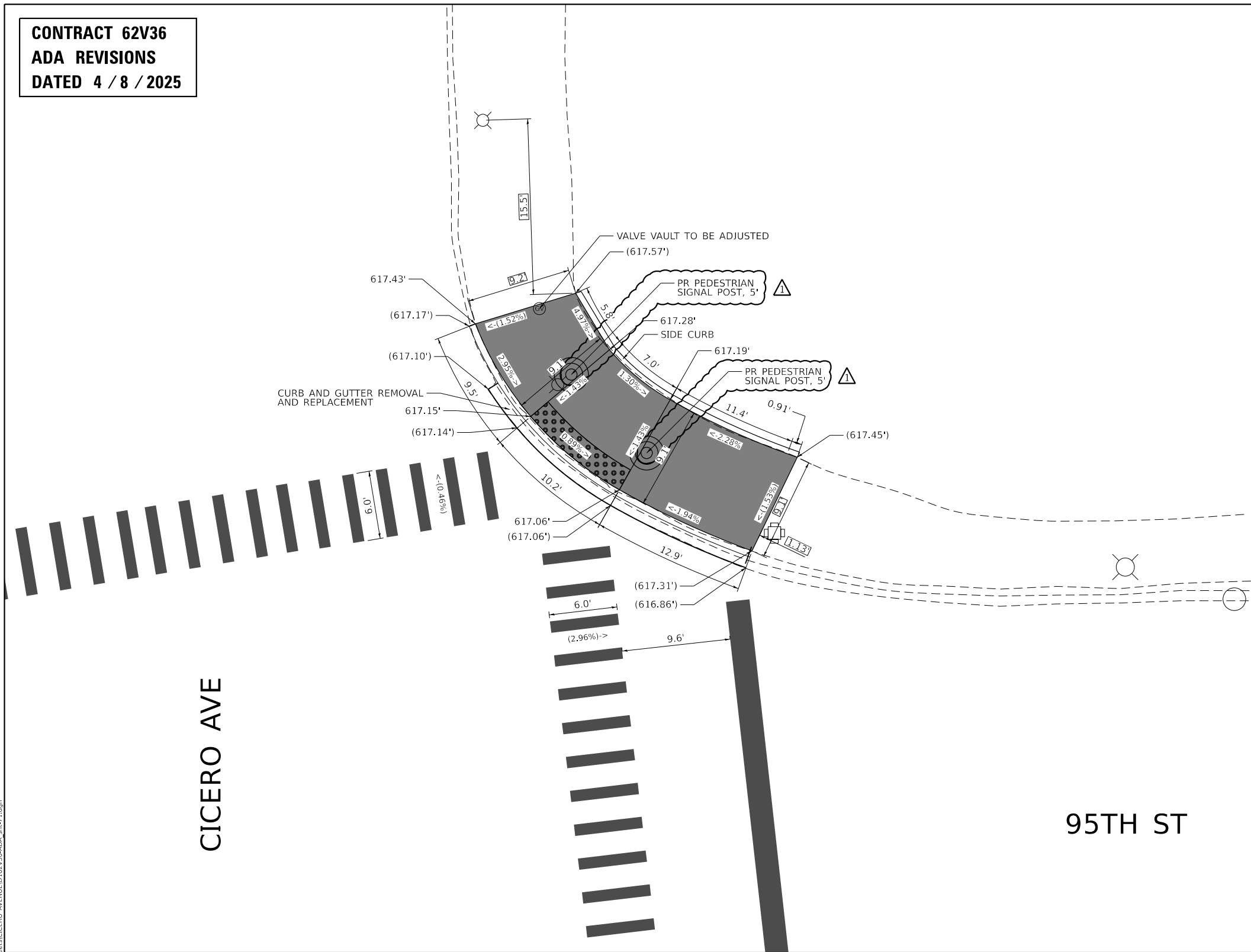
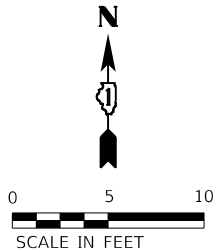
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 95TH ST

SCALE: 1" = 10' SHEET 71 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	94
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

CONTRACT 62V36
ADA REVISIONS
DATED 4 / 8 / 2025



CICERO AVE

95TH ST

REFERENCE BENCHMARK: ELEV. 618.050
BENCHMARK: SET ON NW BOLT OF TRAFFIC SIGNAL MAST ARM BASE
LOCATION: SE CORNER OF 95TH ST AND CICERO AVE

LEGEND

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

OSEH inc.

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

USER NAME = AlexDefrancesco
PLOT SCALE = 10.0000 ' / in.
PLOT DATE = 4/8/2025

DESIGNED - AD
DRAWN - AD
CHECKED - MM
DATE - 4/8/2025

REVISED - AD 4/8/2025
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
CICERO AVE AT 95TH ST

SCALE: 1" = 10' SHEET 72 OF 72 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	95
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

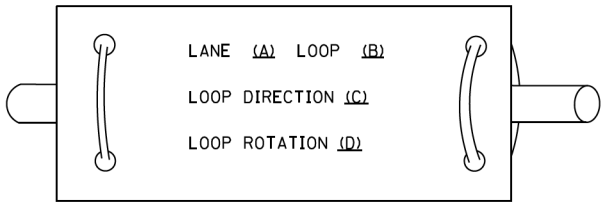
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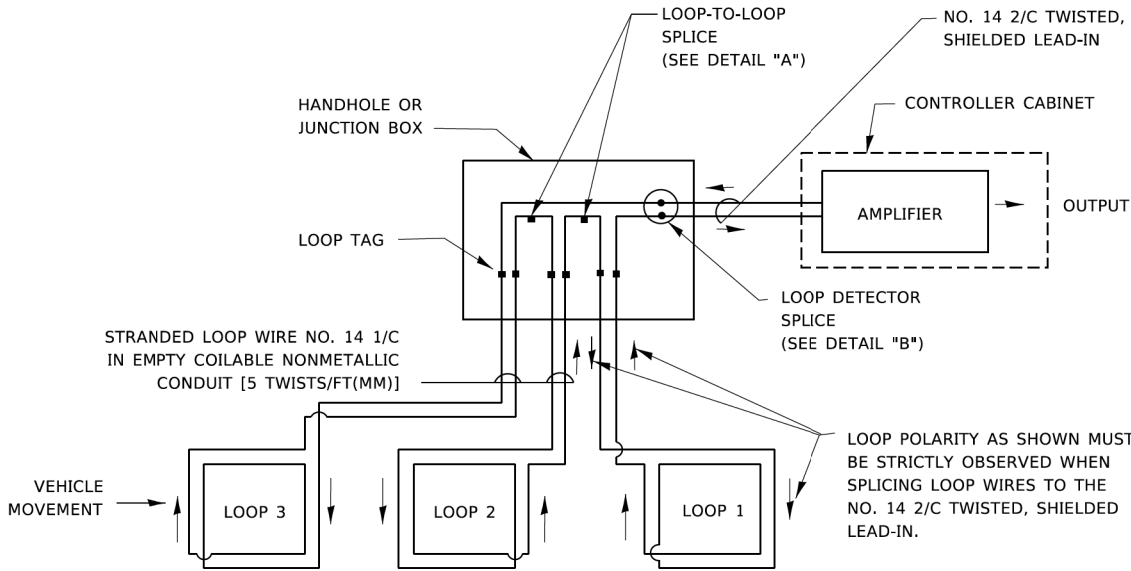
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

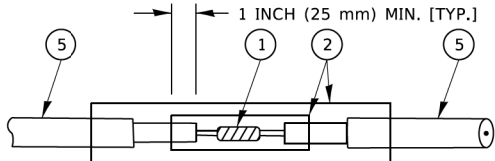


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

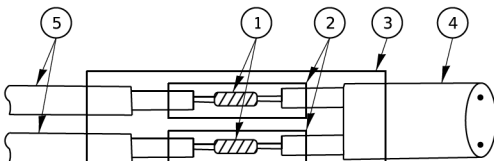


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

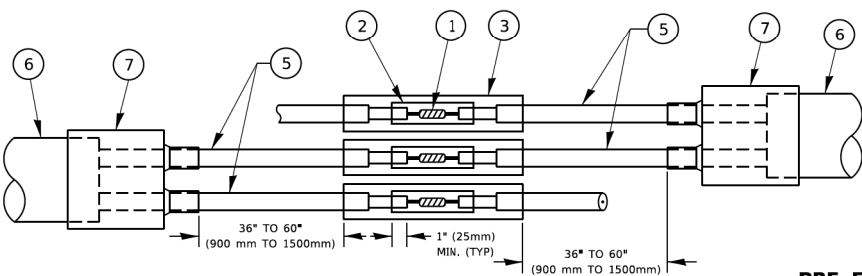


DETAIL "A"
LOOP-TO-LOOP SPLICE

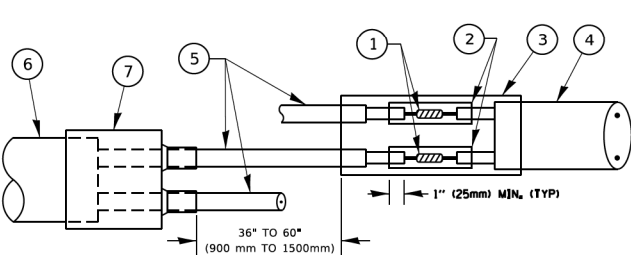


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

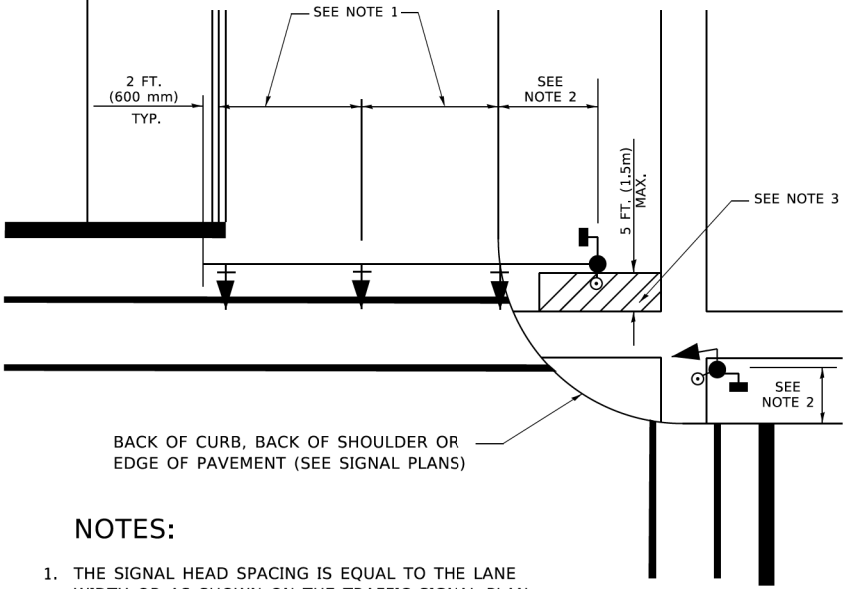
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 <div>INFRASTRUCTURE ENGINEERING INCORPORATED</div> <div>One South Wacker Drive Suite 2650 Chicago, IL 60606 P 312.425.1500 F 312.425.0534 www.infrastructure-engineering.com</div>	USER NAME = footemj		DESIGNED -	REVISED -  NFO 4/8/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -		350		COOK	144	97				
	PLOT SCALE = 50.0000' / in.		DATE -	REVISED -		TS-05		CONTRACT NO. 62V36						
	PLOT DATE = 3/4/2019					SCALE: NONE	SHEET 2	OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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PLOT DATE: 3/4/2019

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

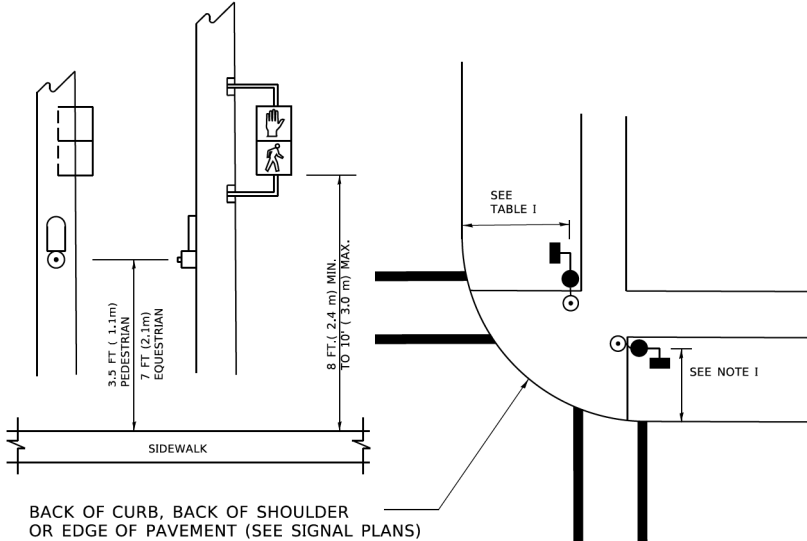
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

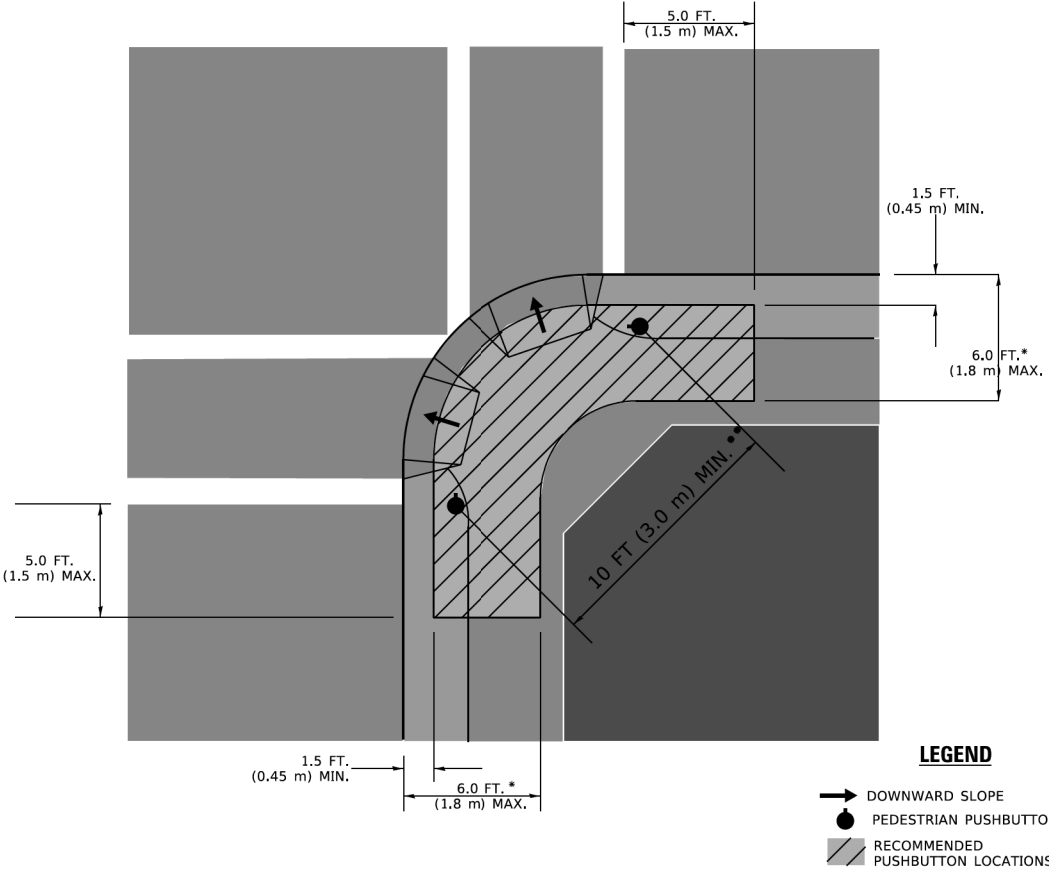
PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

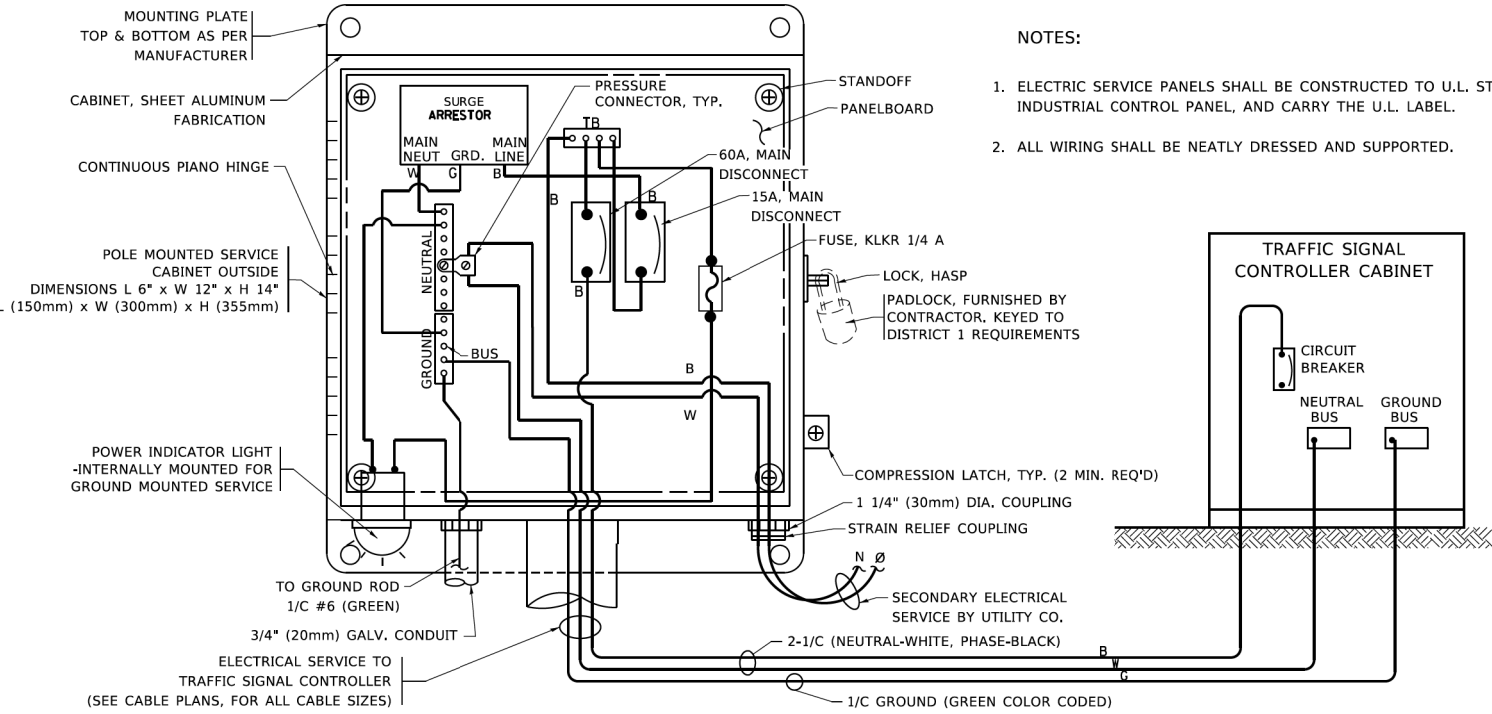
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

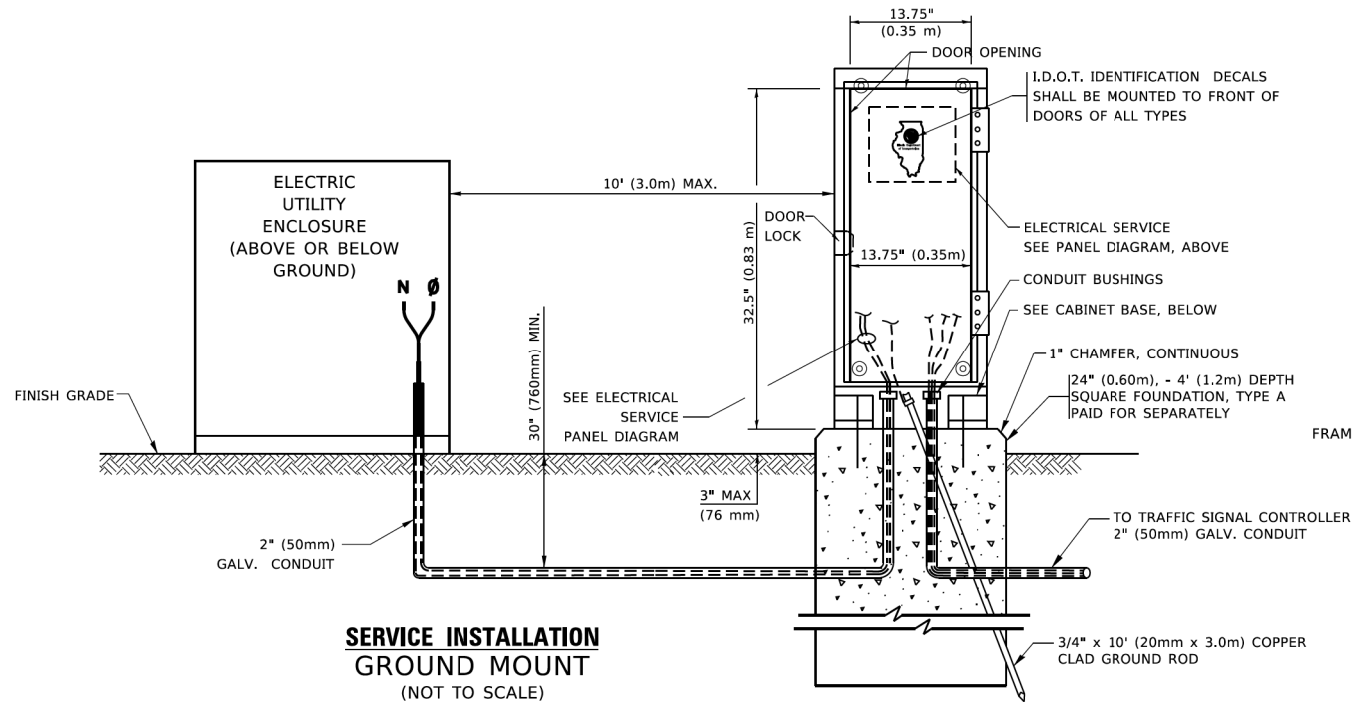
NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.421.5500 | F 312.421.5514 | www.illinois.gov

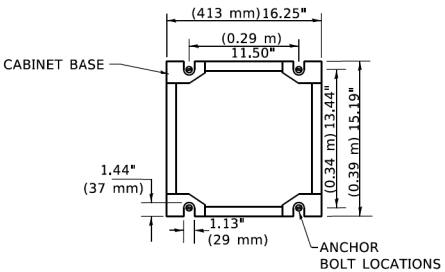


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)



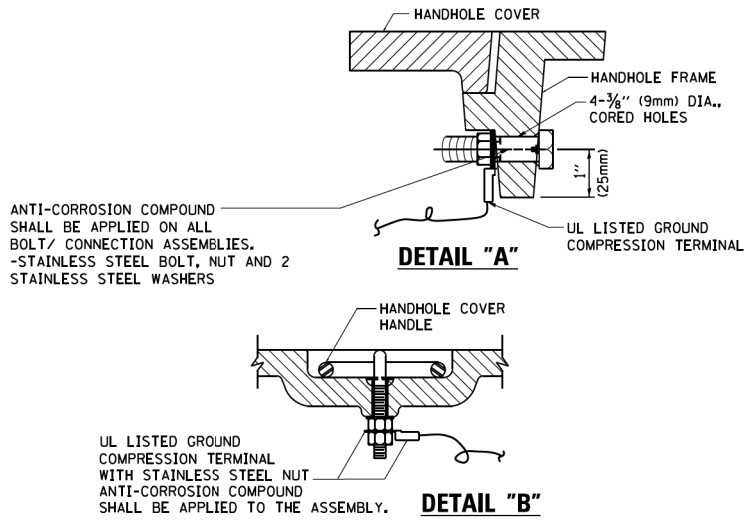
SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)

CABINET - BASE BOLT PATTERN
(NOT TO SCALE)



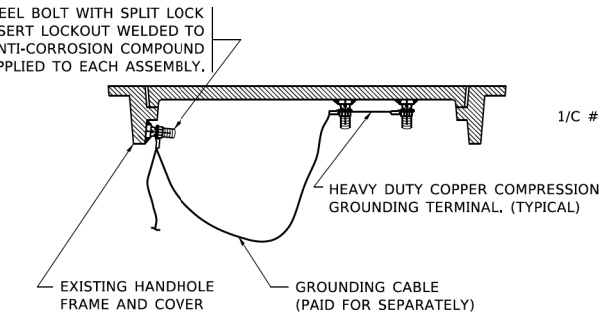
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



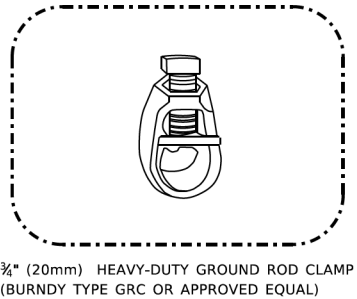
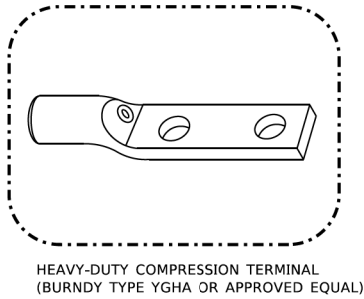
HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)

EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)



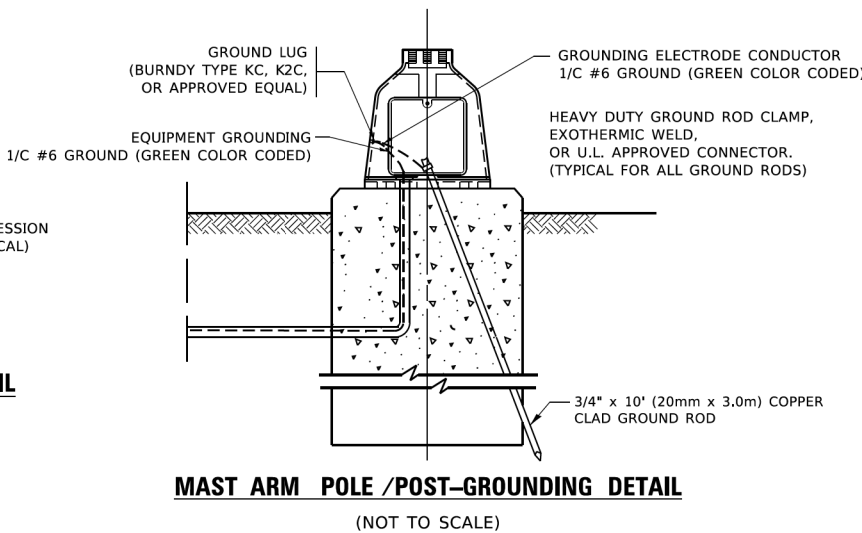
NOTES:
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



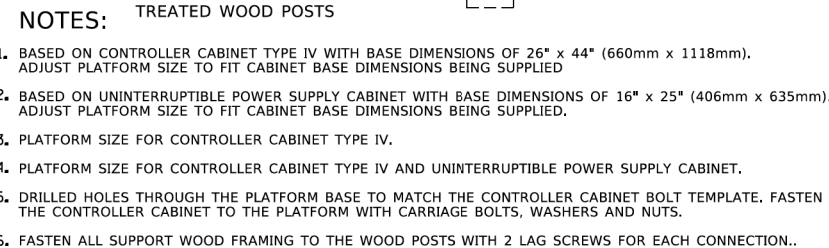
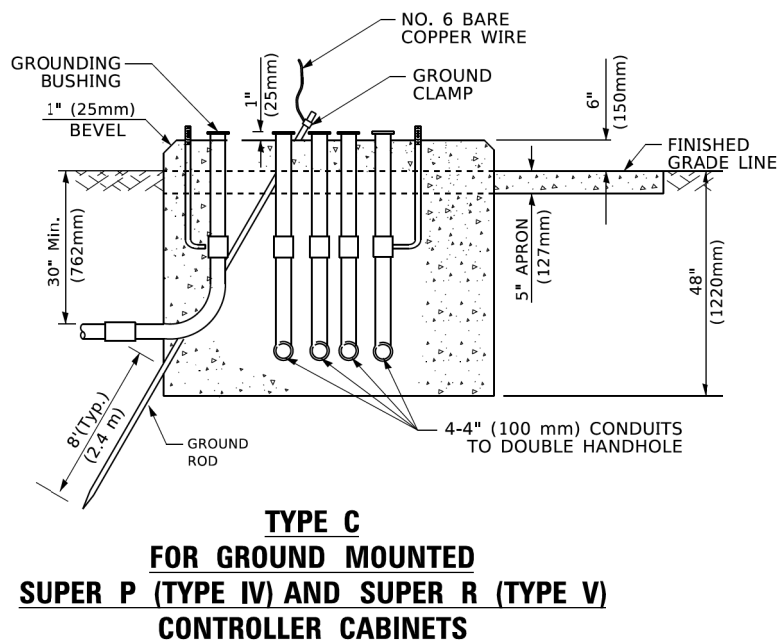
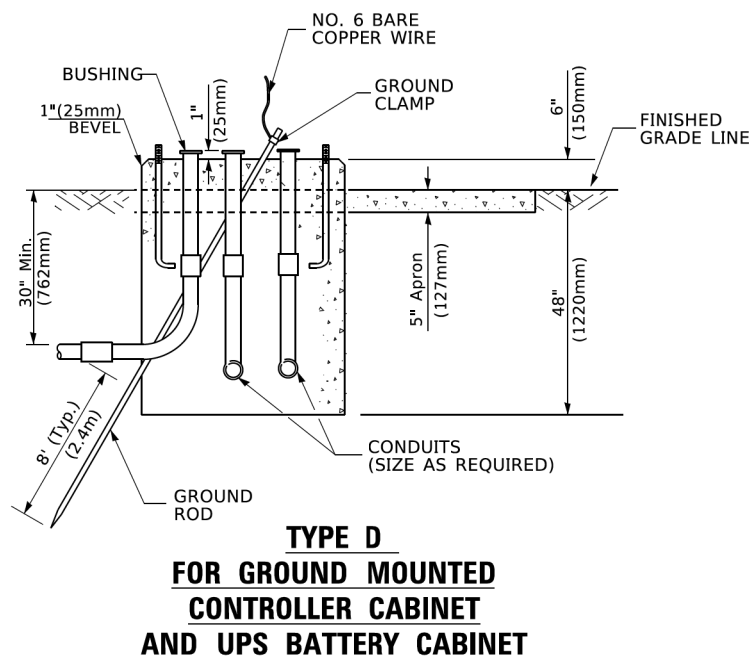
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE /POST-GROUNDING DETAIL
(NOT TO SCALE)

 INFRASTRUCTURE ENGINEERING <small>INCORPORATED</small> One South Wacker Drive Suite 2650 Chicago, IL 60606 P 312.421.5500 F 312.421.5514 www.illinois.gov	USER NAME = footemj	DESIGNED -	REVISED -  NFO 4/8/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.P. RTE. 350	SECTION	COUNTY COOK	TOTAL SHEETS 144	SHEET NO. 99
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -									TS-05				CONTRACT NO. 62V36
	PLOT DATE = 3/4/2019	DATE -	REVISED -									ILLINOIS FED. AID PROJECT				
												SCALE: NONE	SHEET 4	OF 7	SHEETS	STA. TO STA.



CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0


FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

Max Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9,1 m)	10'-0" (3,0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9,1 m) and less than 40' (12,2 m)	13'-6" (4,1 m) 11'-0" (3,4 m)	30" (750mm) 36" (900mm)	24" (600mm) 30" (750mm)	8 12	6(19) 7(22)
Greater than or equal to 40' (12,2 m) and less than 50' (15,2 m)	13'-0" (4,0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15,2 m) and up to 55' (16,8 m)	15'-0" (4,6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16,8 m) and less than 65' (19,8 m)	21'-0" (6,4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	25'-0" (7,6 m)	42" (1060mm)	36" (900mm)	16	8(25)

1. These foundation depths are for sites which have cohesive soils (clay, silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

**INFRASTRUCTURE
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P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = footemj	DESIGNED -	REVISED -  NFO 4/8/2025
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE	REVISED

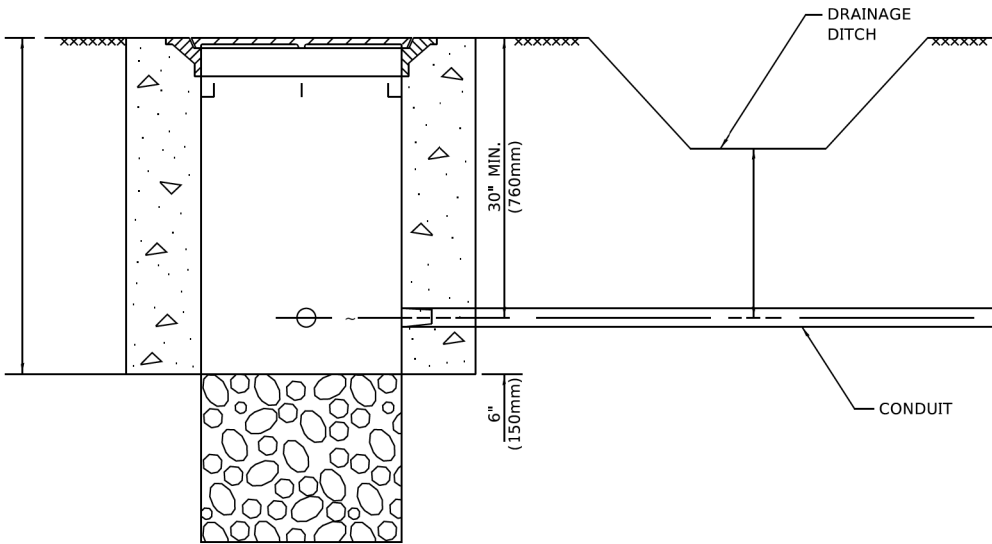
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE	SHEET 5	OF 7	SHEETS	STA	TO STA
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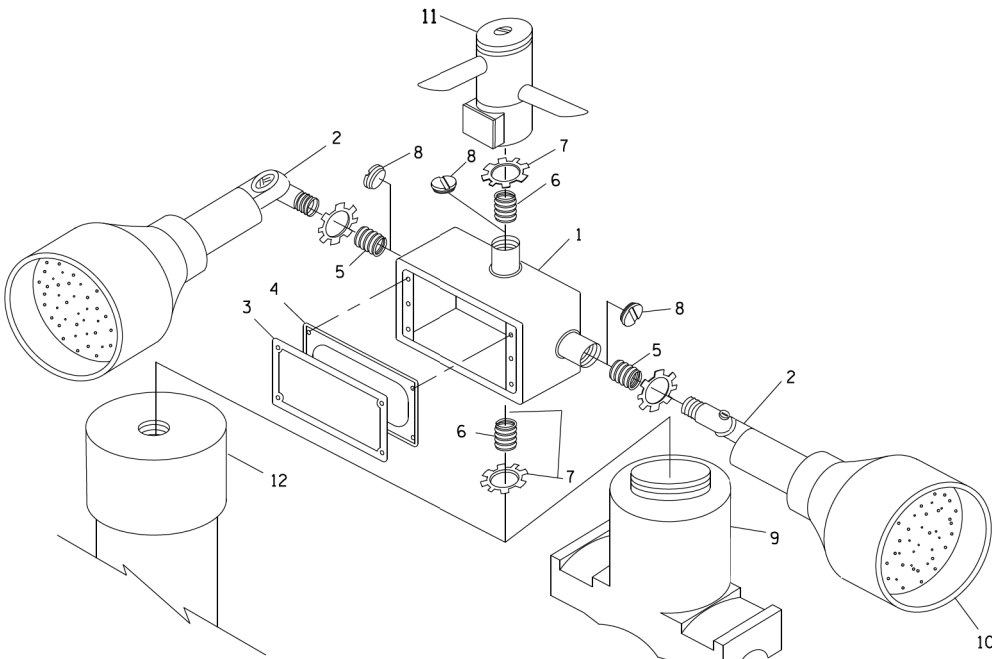
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350		COOK	144	100
TS-05		CONTRACT NO. 62V36		
ILLINOIS FED. AID PROJECT				



NOTES:

- CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

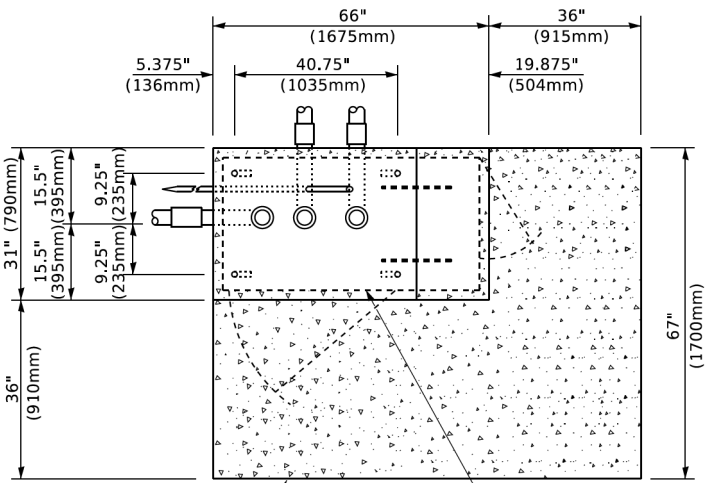
HANDHOLE WITH MINIMUM CONDUIT DEPTH (NOT TO SCALE)



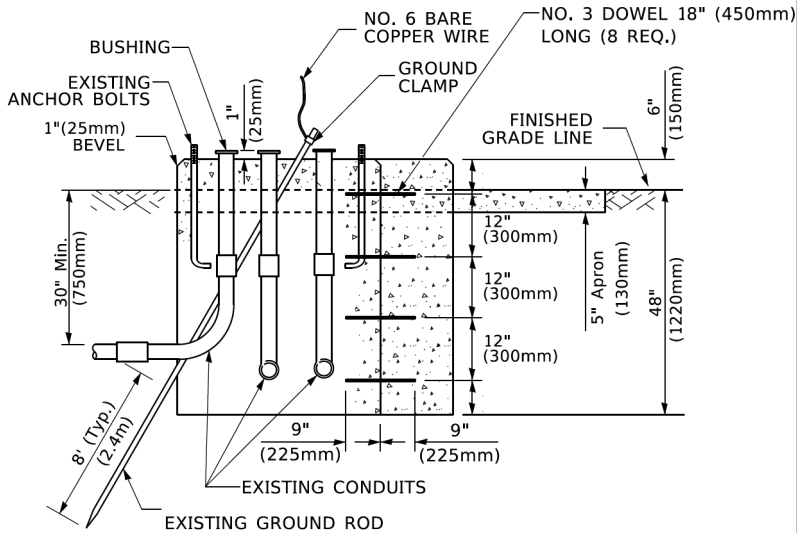
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW (NOT TO SCALE)

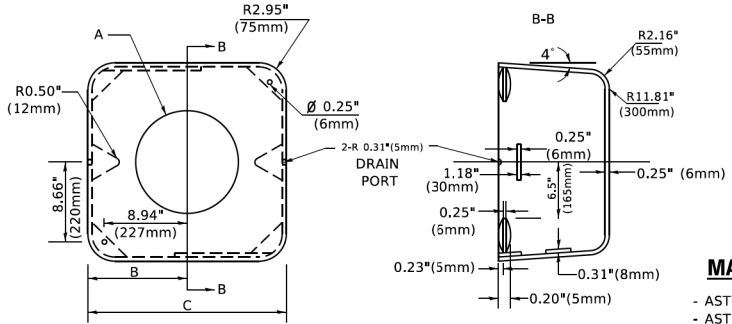


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION (NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

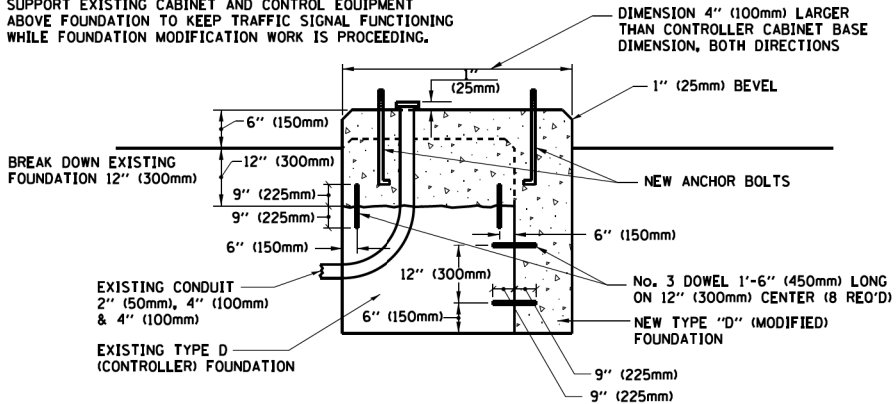
SHROUD

NOTES:

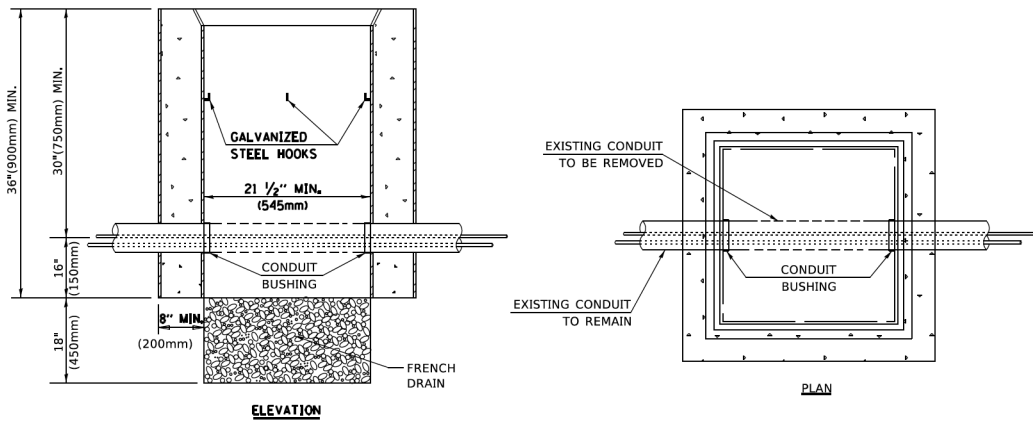
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: Default
FILE NAME: PROJECT\BIDDING\Documents\DOT Offices\Bldg\1\Projects\DOT\2222\ACAD\DATA\CAD\Sheets\105.dgn
PLOT DATE: 3/4/2019

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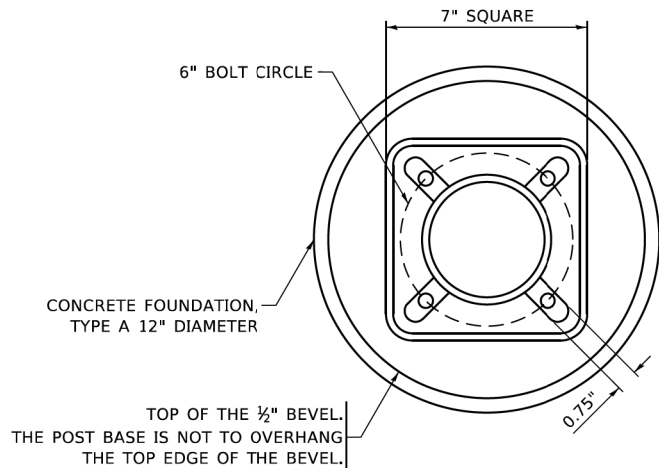
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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

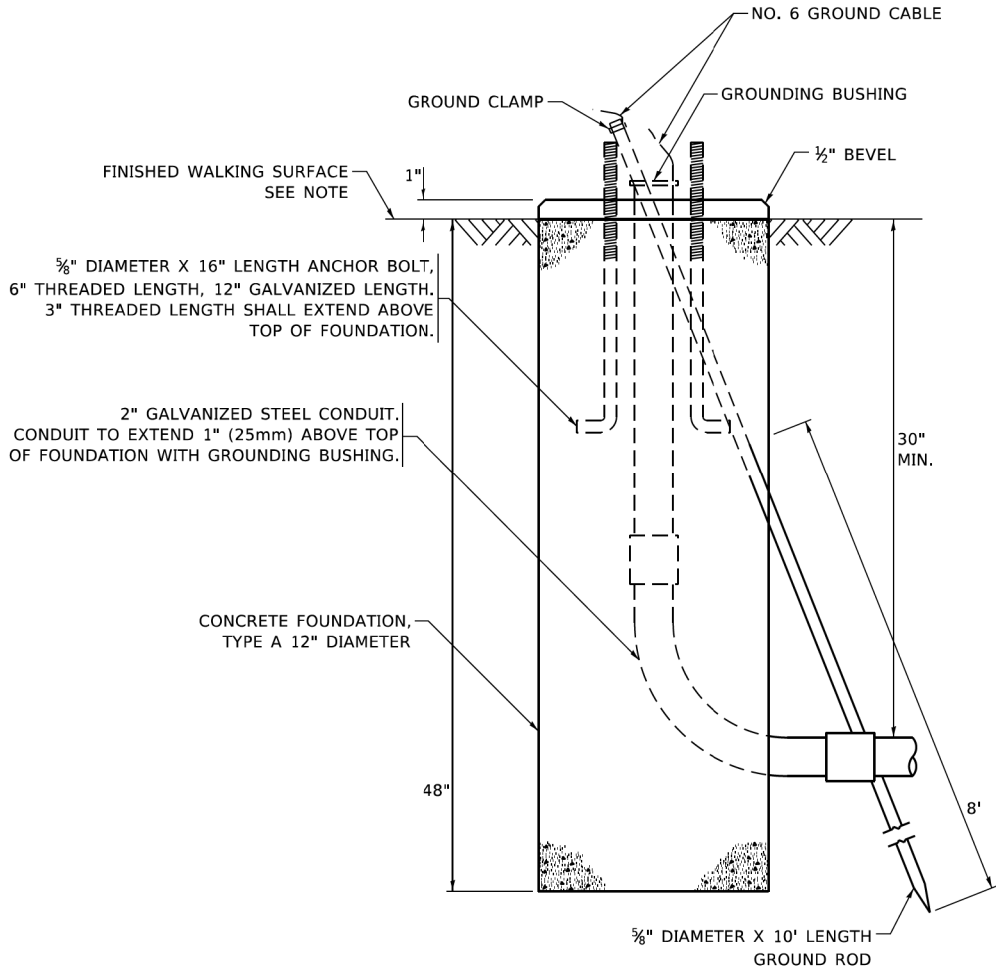
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350		COOK	144	101
TS-05		CONTRACT NO. 62V36		
ILLINOIS		FED. AID PROJECT		

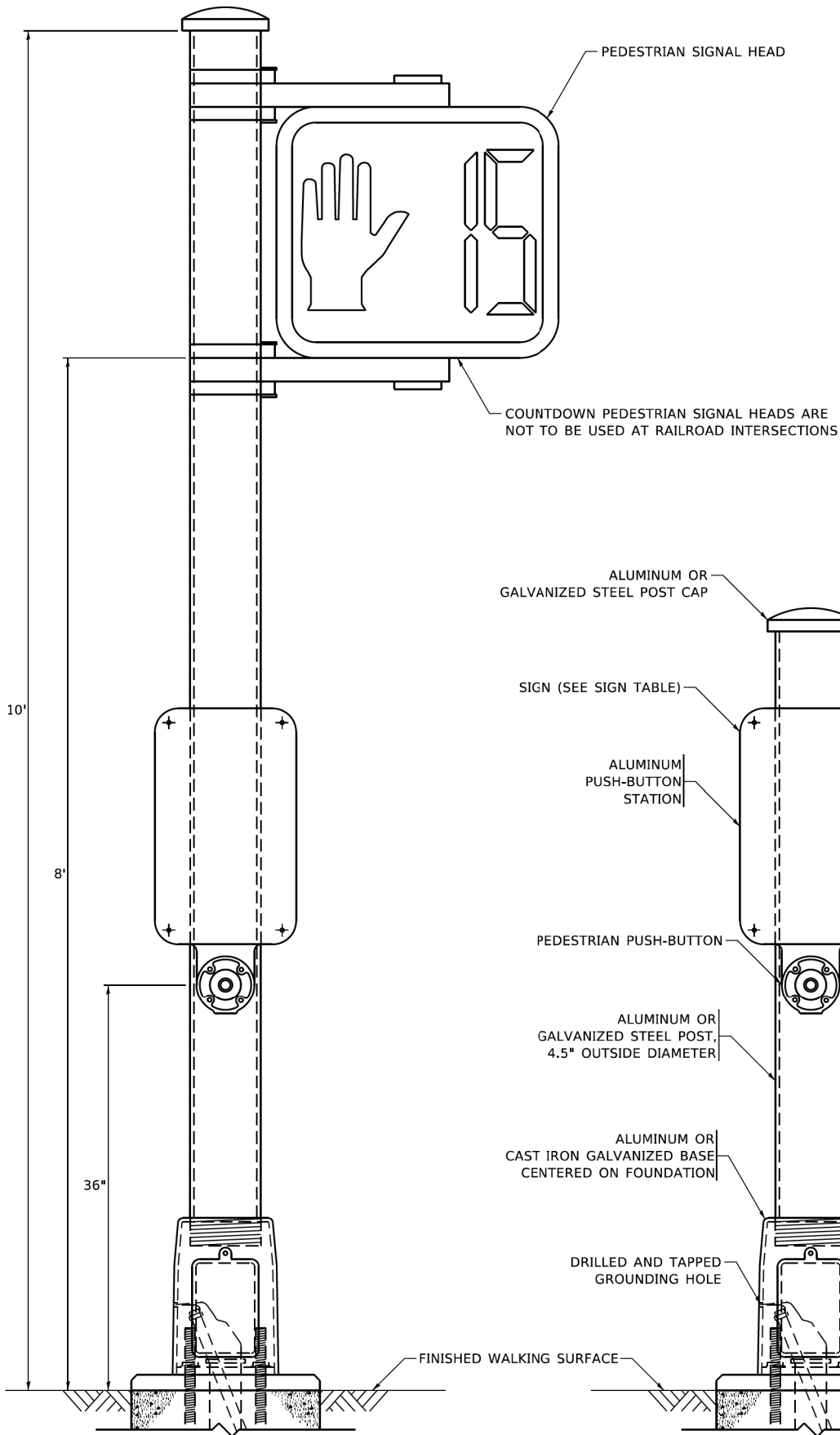


BOLT PATTERN

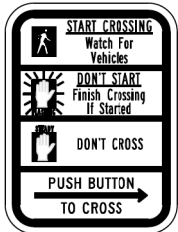
NOTE:
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



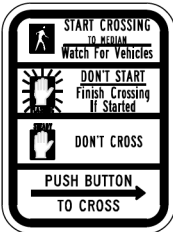
CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER



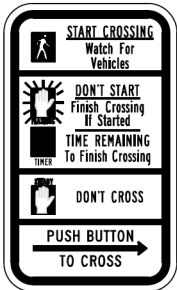
PEDESTRIAN SIGNAL POST, 10 FT.



R10-3b



R10-3d



R10-3e

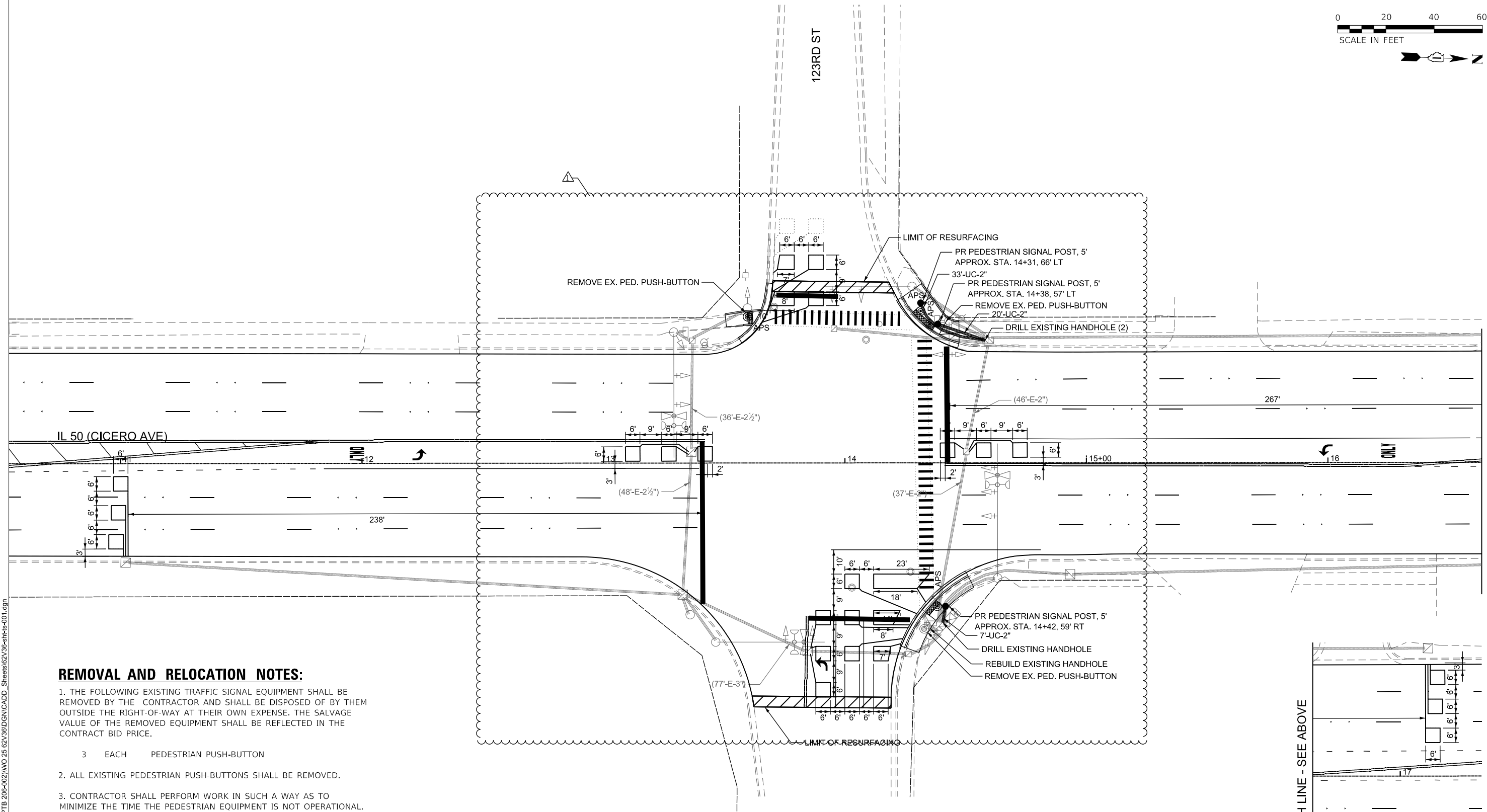
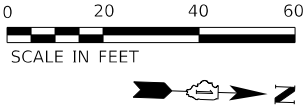
SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:
1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

PEDESTRIAN SIGNAL POST, 5 FT.

MODEL: Default
FILE: W:\116116\116116.dgn
One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P: 312.421.5500 | F: 312.421.5514 | www.infrastructure-engineering.com



REMOVAL AND RELOCATION NOTES:

1. 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.
- 3 EACH PEDESTRIAN PUSH-BUTTON
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2016-02)\WO 25 62V36\GNICADD_Sheets\62V36-sht-001.dgn



USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 123RD ST**

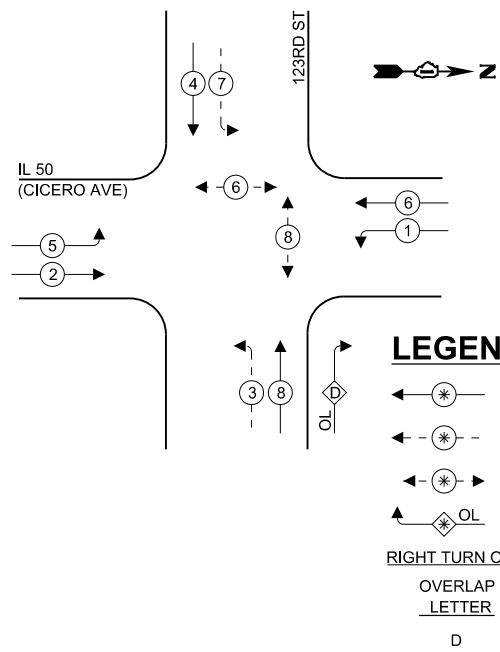
SCALE: 1" = 20' SHEET 1 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	103
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

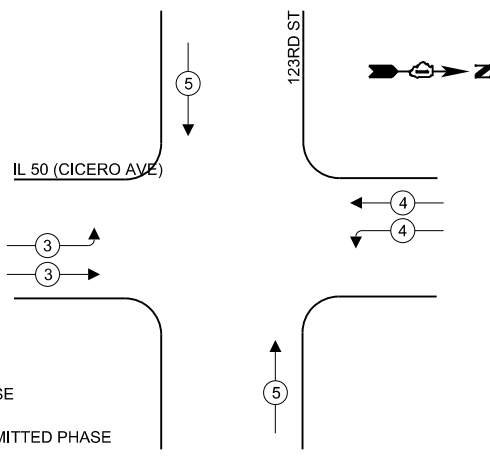
TS 2560
ECON 143

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 DOT Various Phase 2 (PTB 2016-02)\WO 25 62V36\DMCADD_Sheets\62V36-sht-ts-002.dgn

EXISTING & PROPOSED
CONTROLLER SEQUENCE



EXISTING & PROPOSED EMERGENCY
VEHICLE PREMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	62
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	436
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	148
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	949
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			445
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING

ENERGY COSTS TO:
VILLAGE OF ALSIP

4500 W. 123RD ST.,
ALSIP, IL 60803
ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 39547-97111

METER NUMBER:

EX. INTERCONNECT
TO 127TH ST
EX. TRACER CABLE

IL 50
(CICERO AVE)

123RD ST

CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

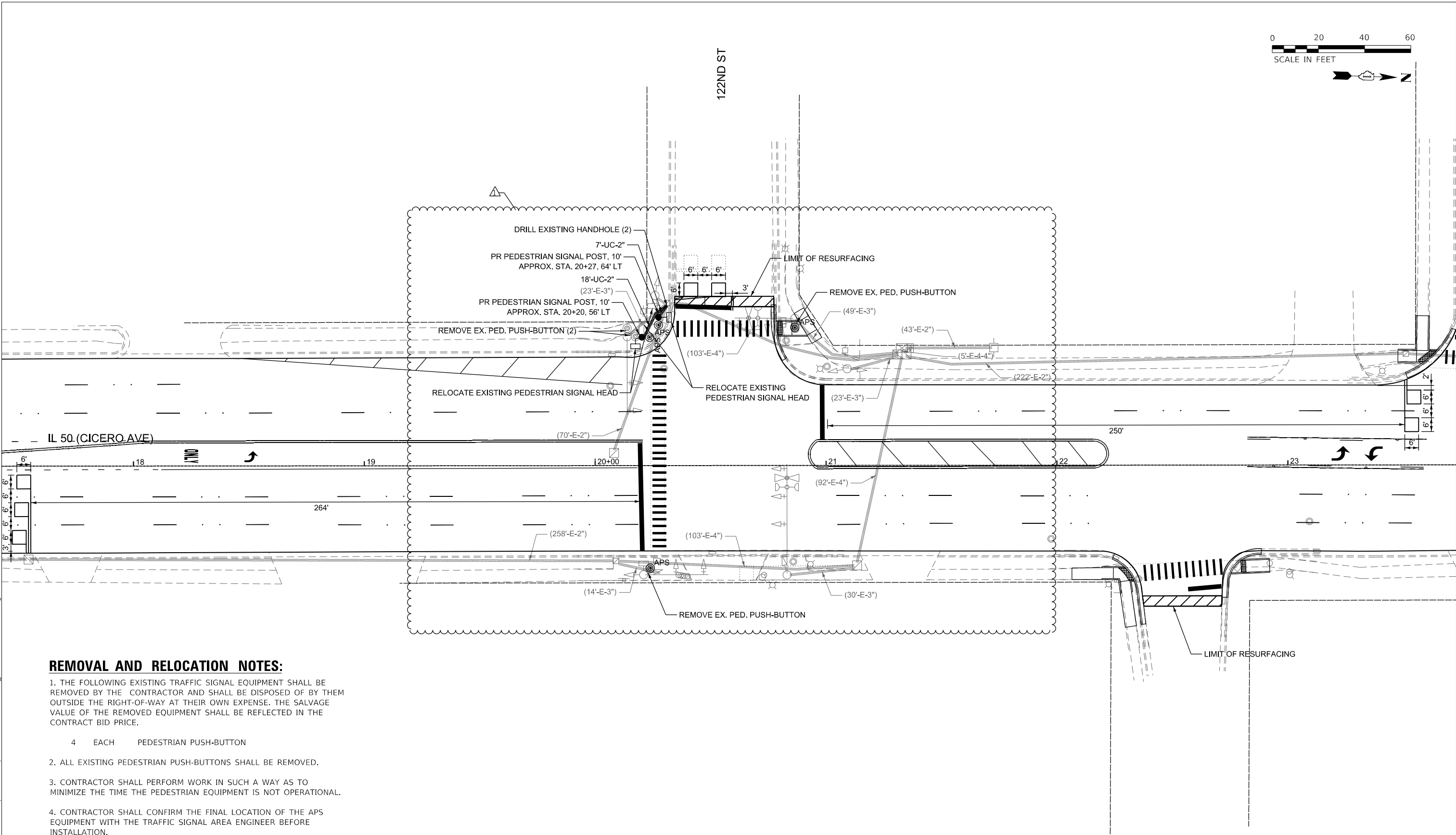
SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 123RD ST

SCALE: NTS SHEET 2 OF 24 SHEETS STA. TO STA.

TS 2560
ECON 143

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	104
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 IDOT Various Phase 2 (PTB 2018-02)\WO 25 62V38\GNCICADD_Sheets\62V38-sht-ts-011.dgn



REMOVAL AND RELOCATION NOTES:

1. 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


2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

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

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

5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

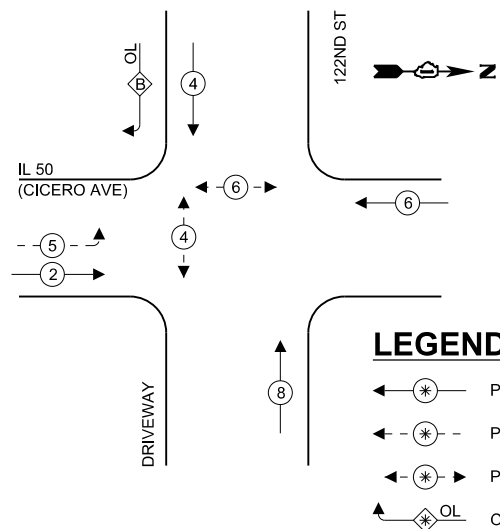
**TS 2555
ECON 143**

USER NAME = ALane	DESIGNED - NFO	REVISED -  NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

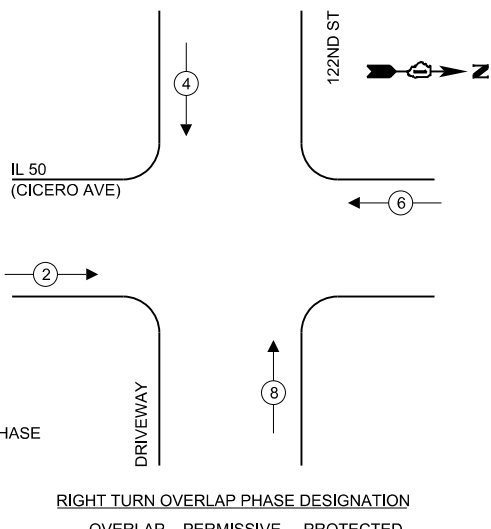
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	105
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 [DOT Various Phase 2] (PTB 2016-02) \WO 25 62V36\GNCADD_Sheets\62V36-sch-ts-012.dgn

EXISTING & PROPOSED
CONTROLLER SEQUENCE



EXISTING & PROPOSED EMERGENCY
VEHICLE PREMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	310
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	324
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	46
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	257
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			419
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING 1024

ENERGY COSTS TO:
VILLAGE OF ALSIP

4500 W. 123RD ST.,
ALSIP, IL 60803
ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 39547-97111

METER NUMBER:

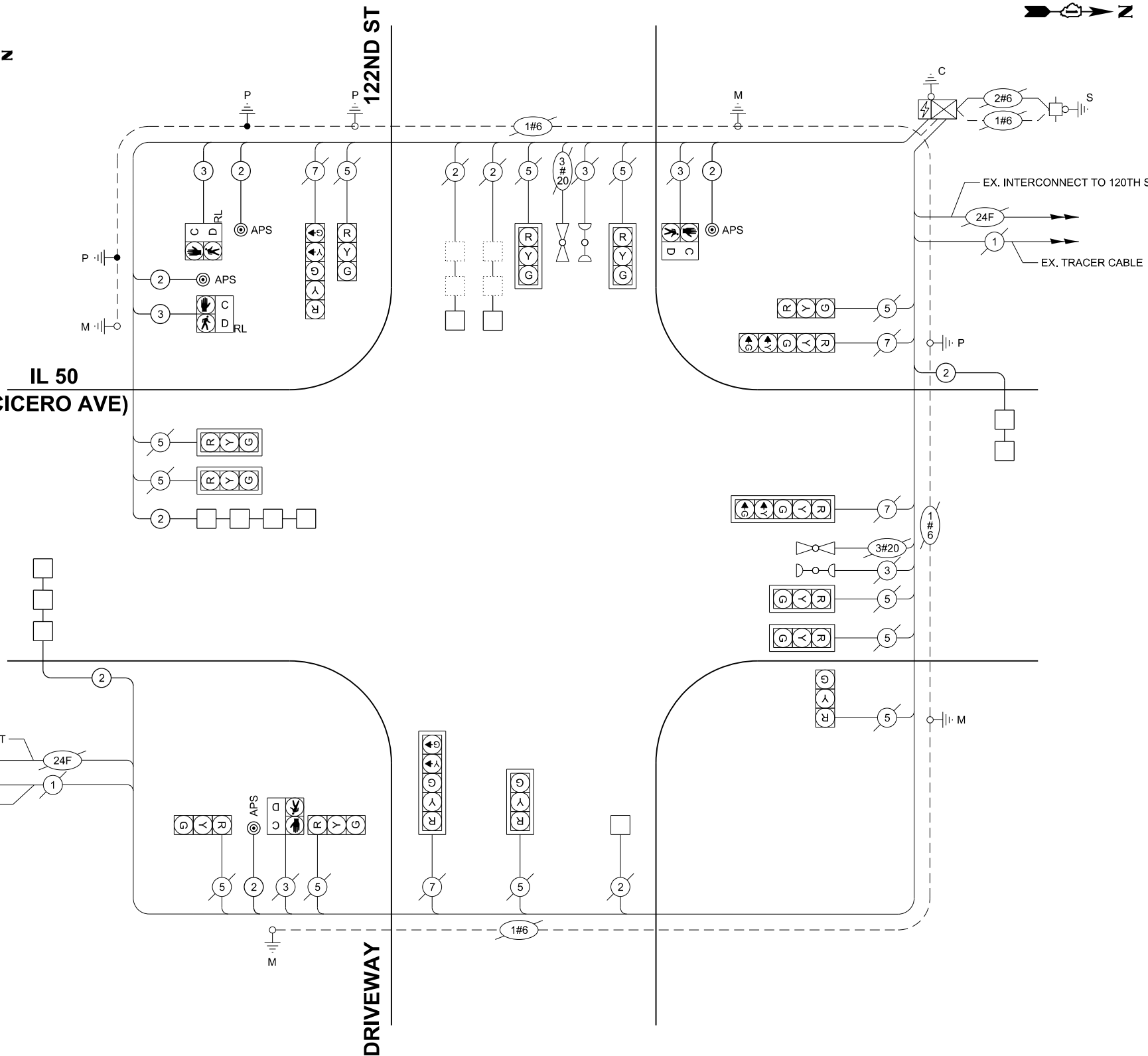
DESIGNED -	NFO	REVISED -	NFO 4/8/2025
DRAWN -	NFO	REVISED -	
CHECKED -	ACL	REVISED -	
DATE -	04/08/2025	REVISED -	

IL 50
(CICERO AVE)

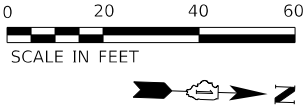
122ND ST

DRIVEWAY

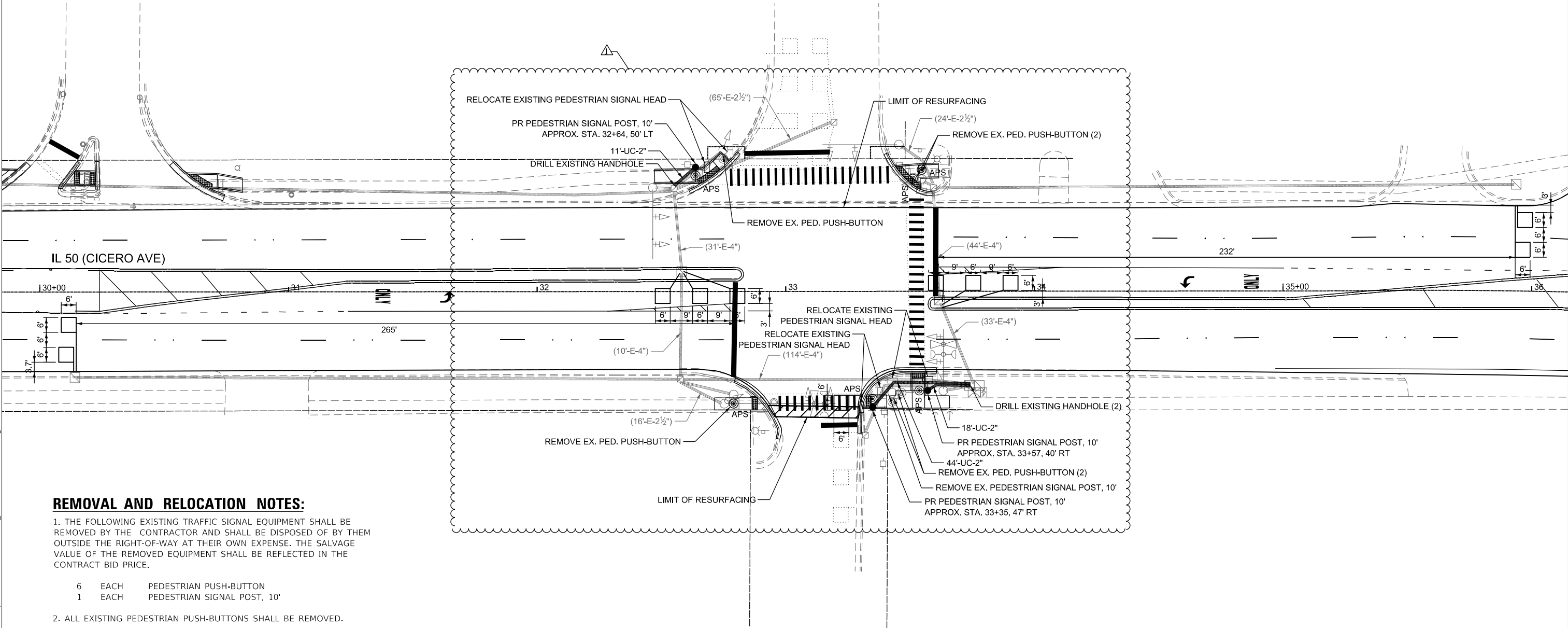
CABLE PLAN
(NOT TO SCALE)



TS 2555
ECON 143



120TH ST



REMOVAL AND RELOCATION NOTES:

1. 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 |
| 1 | EACH | PEDESTRIAN SIGNAL POST, 10' |

2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

TS 20495
ECON 143

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2016-02)\WO 25 62V36\GNC\ADD_Sheets\62V36-shts-021.dgn



USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 120TH ST

SCALE: 1" = 20' SHEET 5 OF 24 SHEETS STA. TO STA.

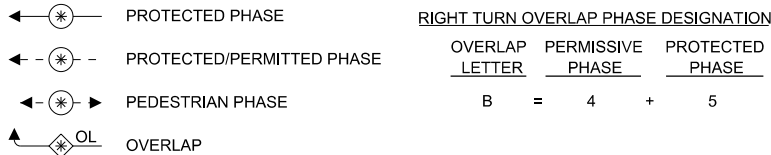
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	107
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

EXISTING & PROPOSED CONTROLLER SEQUENCE

EXISTING & PROPOSED VEHICLE PREMPTION SEQUENCE

EXISTING & PROPOSED EMERGENCY

LEGEND



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	74
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	378
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	392
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	148
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	380
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		420	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1025	

ENERGY COSTS TO:
VILLAGE OF ALSIP

4500 W. 123RD ST.,
ALSIP, IL 60803

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 39547-97111

METER NUMBER:

USER NAME = ALane

DESIGNED -	NFO	REVISED -	NFO 4/8/2025
DRAWN -	NFO	REVISED -	
CHECKED -	ACL	REVISED -	
DATE -	04/08/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
(NOT TO SCALE)

SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 120TH ST

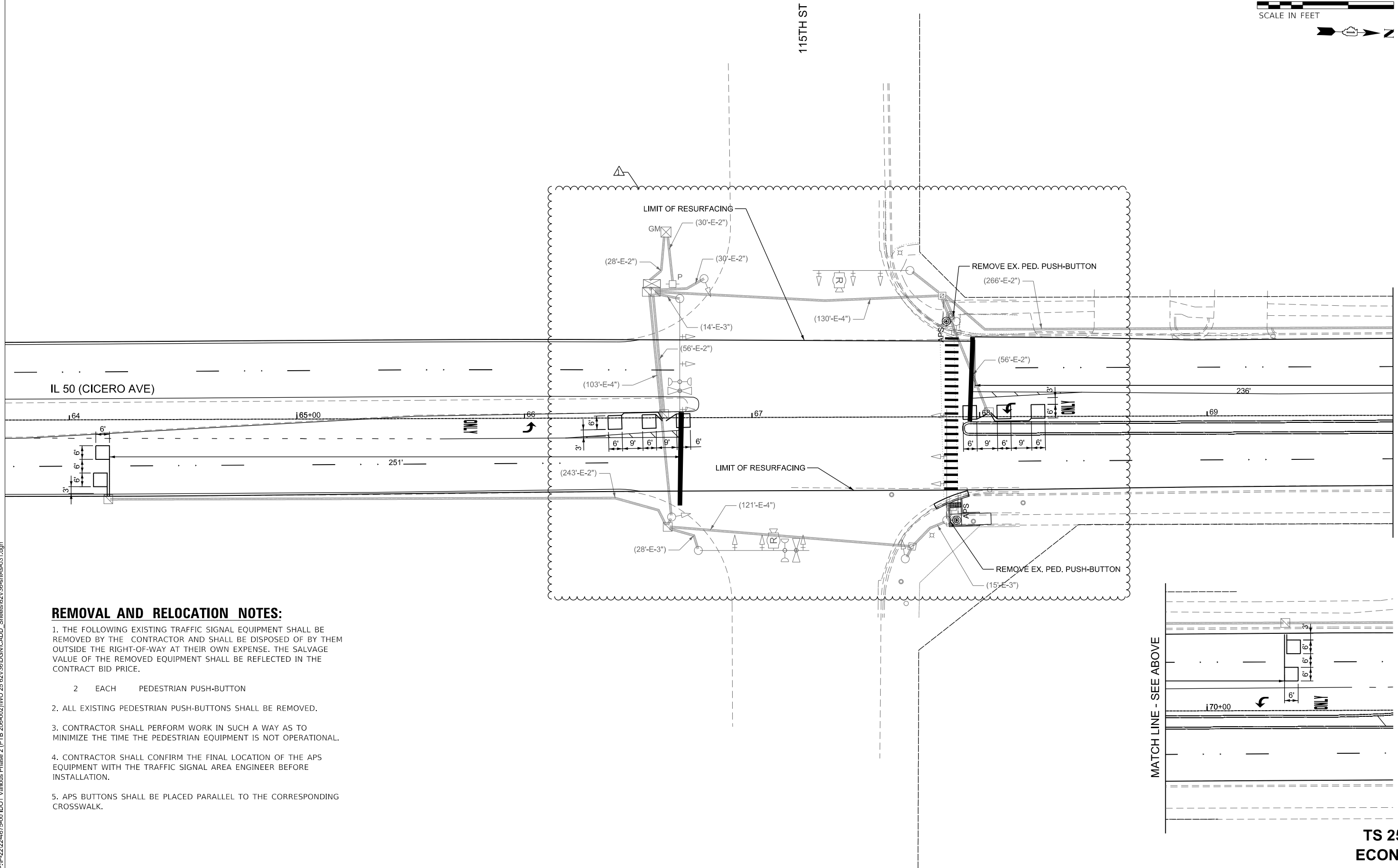
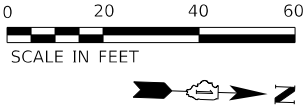
SCALE: NTS SHEET 6 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	108
CONTRACT NO. 62V36				

ILLINOIS FED. AID PROJECT

TS 20495
ECON 143

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 DOT Various Phase 2 (PTB 2016-02) \WO 25 62V36\GNCADD_Sheets\62V36-sch-ts-022.dgn




REMOVAL AND RELOCATION NOTES:

1. 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.
- 2 EACH PEDESTRIAN PUSH-BUTTON
3. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
4. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
5. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
6. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 IDOT Various Phase 2 (PTB 2015-02)\WO 25 62V36\GNCICADD_Sheets\62V36-sht-031.dgn

**INFRASTRUCTURE
ENGINEERING**INCORPORATED

One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.9500 | F 312.425.9514 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - NFO	REVISED -  NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 115TH ST

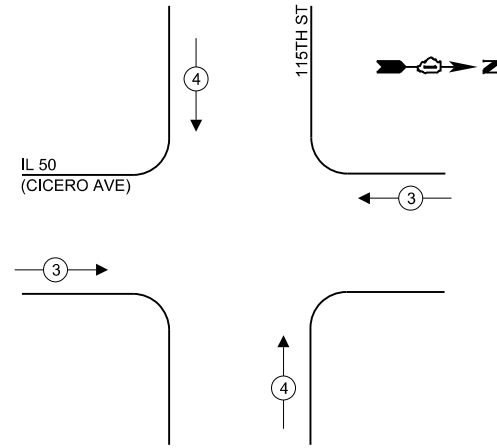
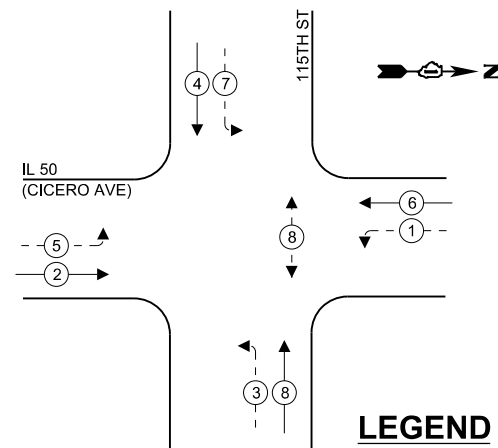
SCALE: 1" = 20' SHEET 7 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	109
CONTRACT NO. 62V36				
ILLINOIS		FED. AID PROJECT		





TS 2520
ECON 63

EXISTING & PROPOSED CONTROLLER SEQUENCE

EXISTING & PROPOSED EMERGENCY VEHICLE PREMPTION SEQUENCE



LEGEND

-  PROTECTED PHASE
 PROTECTED/PERMITTED PHASE
 PEDESTRIAN PHASE
 OVERLAP

SCHEDULE OF QUANTITIES

[illegible]

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION		14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			437
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 W. CENTER CT,
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

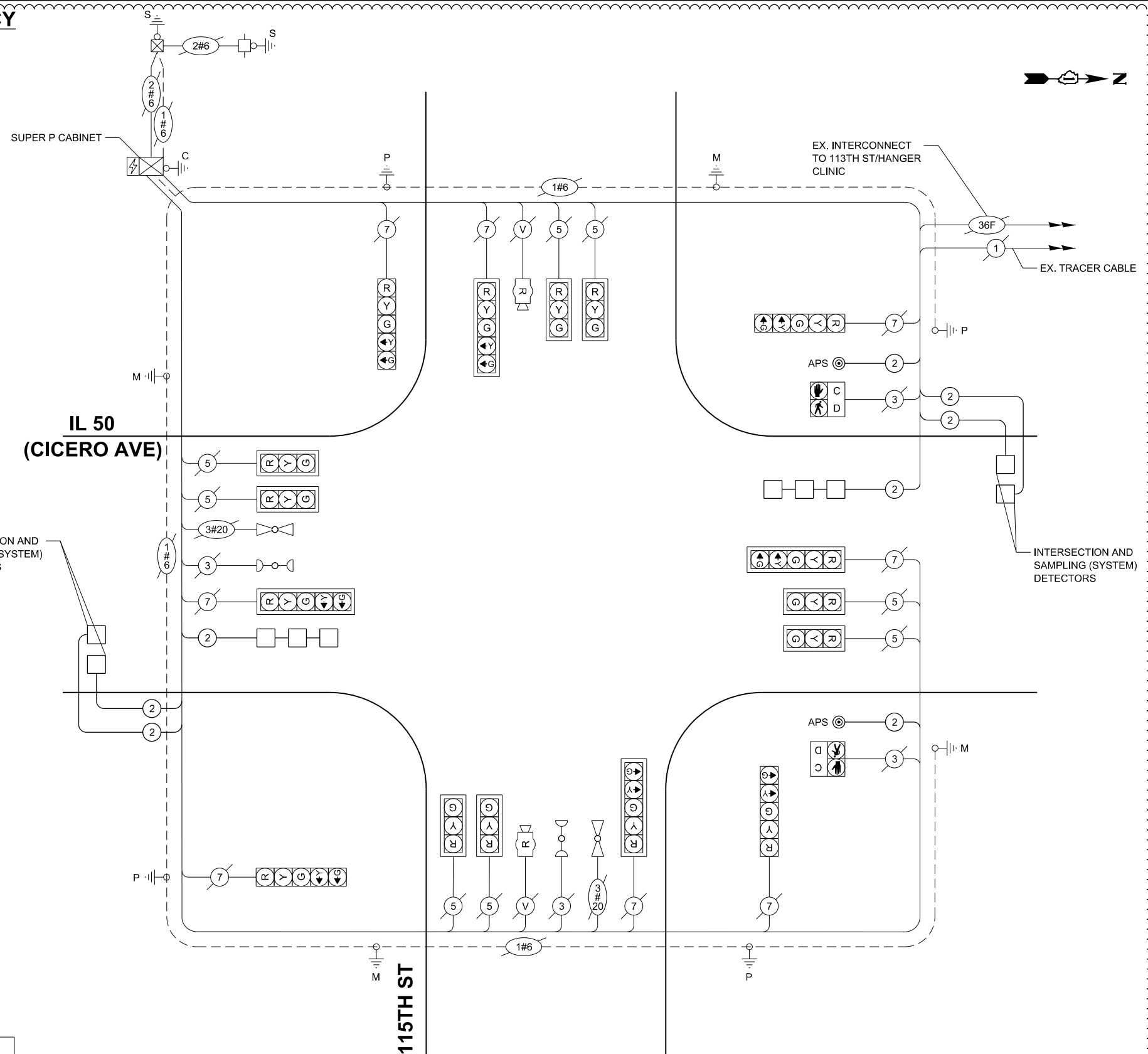
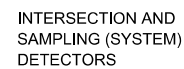
CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 97012-17733

METER NUMBER:



CABLE PLAN

(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 115TH ST**

SCALE: NTS

SHEET 8

OF

SHEETS

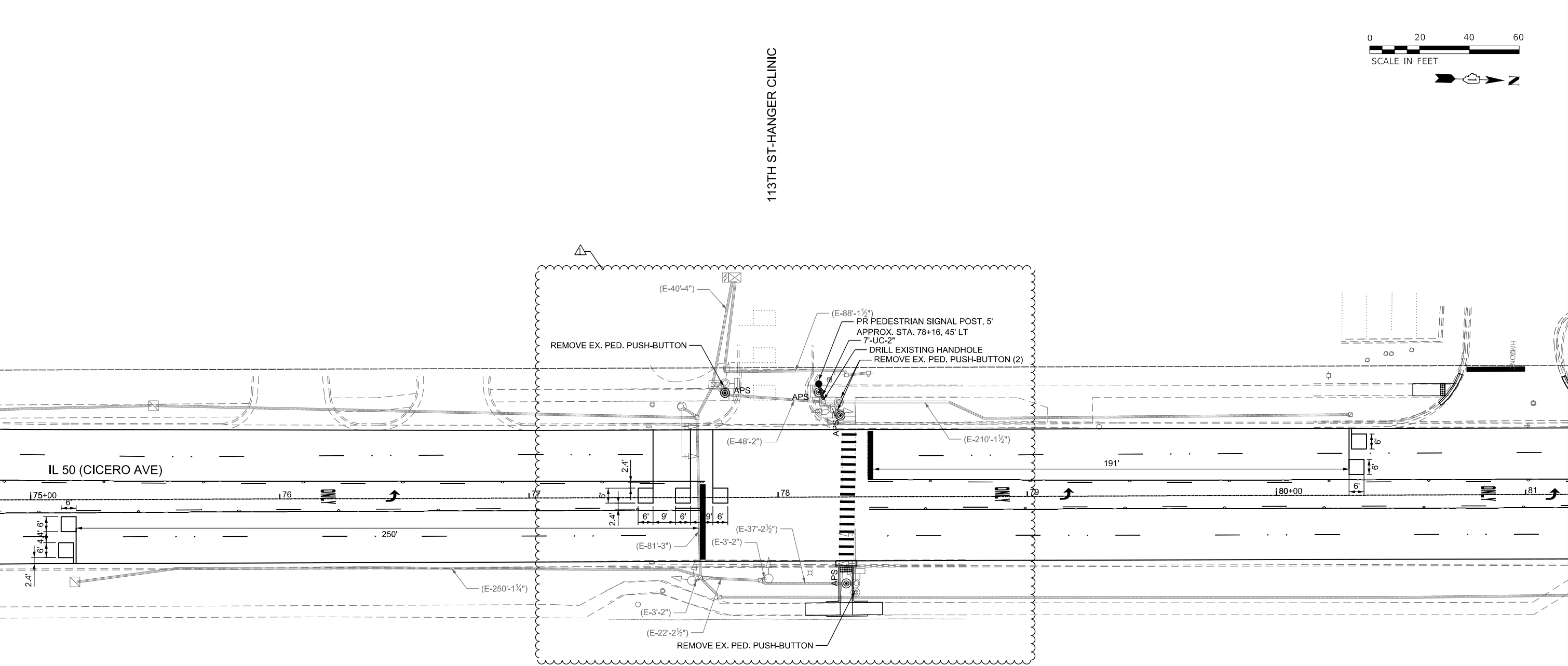
STA.

TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	110
		CONTRACT NO. 62V36		
ILLINOIS		FED. AID PROJECT		

TS 2520
ECON 63

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2015-02)\WO 25 62V36\DNICADD_Sheets\62V36-shts-041.dgn



REMOVAL AND RELOCATION NOTES:

1. 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.

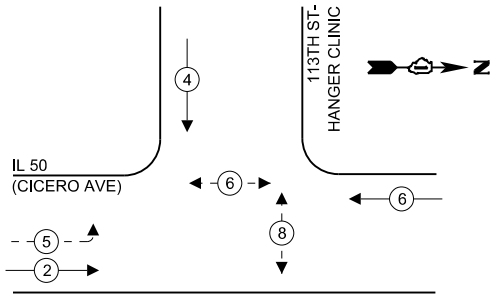
2 EACH PEDESTRIAN PUSH-BUTTON
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

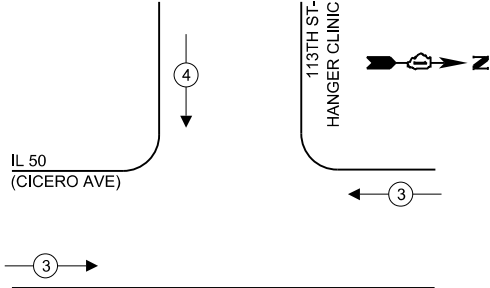
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	111
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 [DOT Various Phase 2] (PTB 2016-02)\WO 25 62V36\GNCADD_Sheets\62V36-sht-ts-042.dgn

EXISTING & PROPOSED
CONTROLLER SEQUENCE



EXISTING & PROPOSED EMERGENCY
VEHICLE PREMPTION SEQUENCE



LEGEND

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	7
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	130
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	18
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	276
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

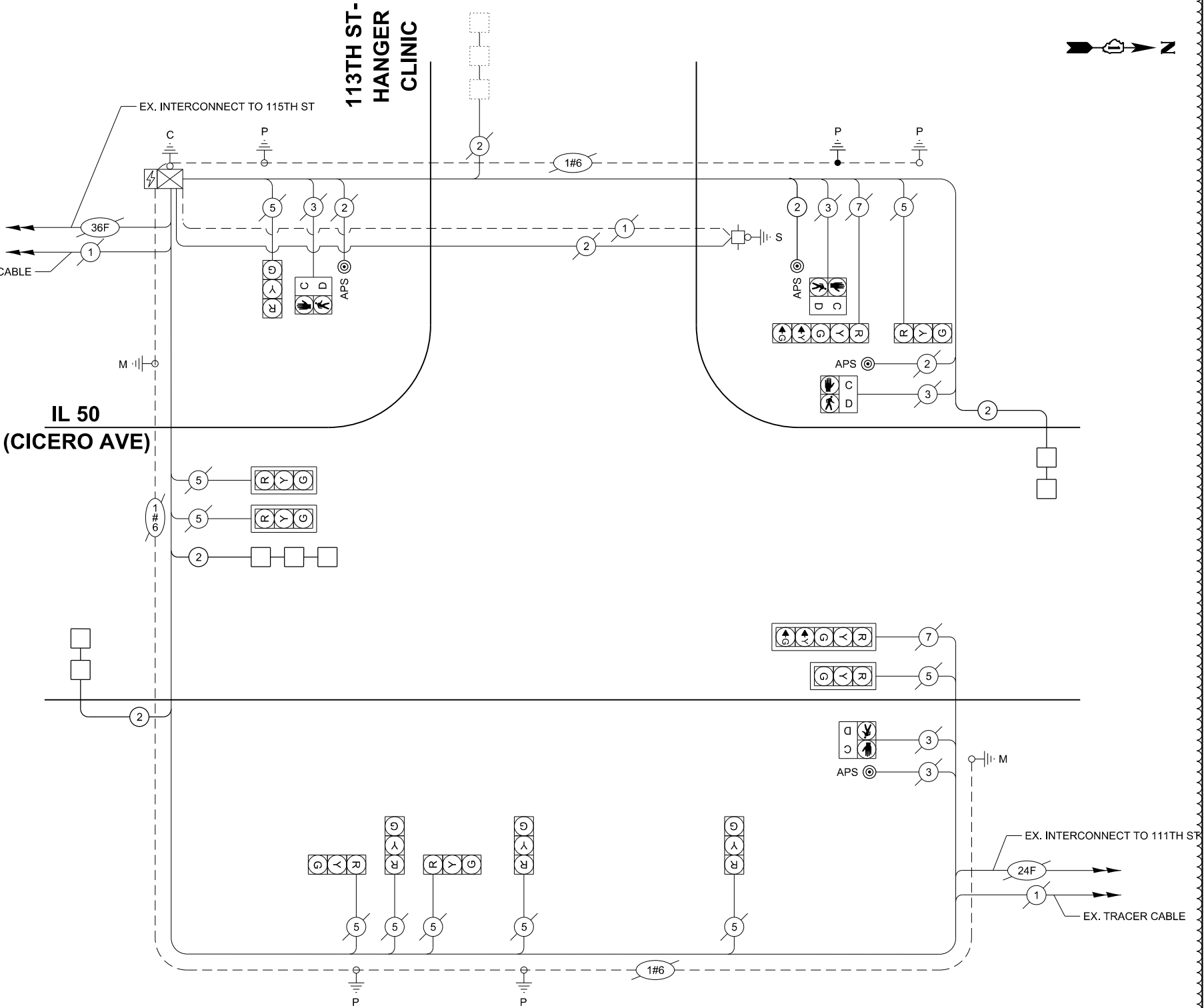
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			371
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			976

ENERGY COSTS TO:
VILLAGE OF ALSIP

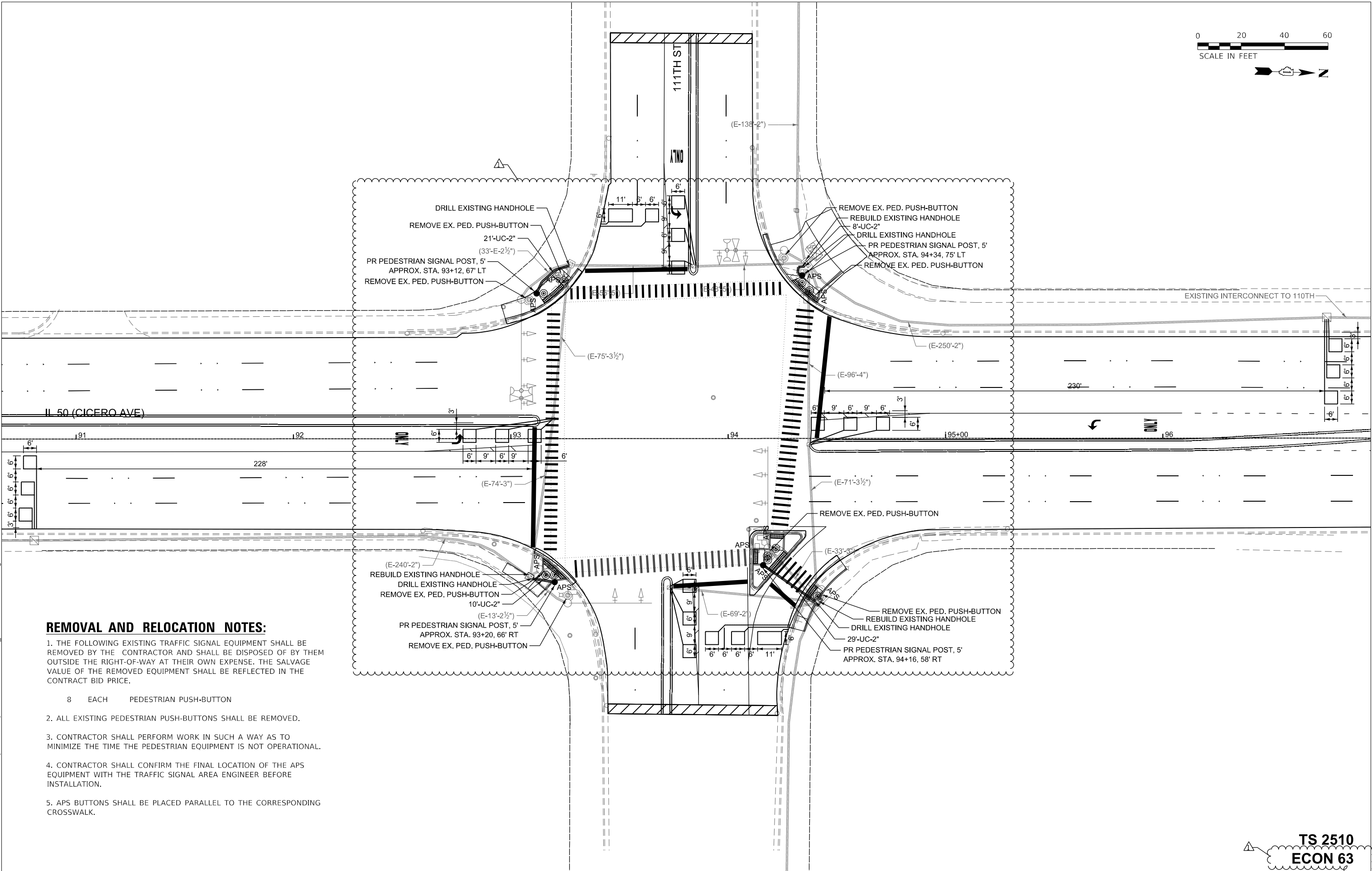
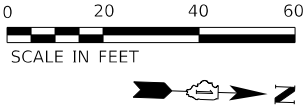
4500 W. 123RD ST.,
ALSIP, IL 60803
ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 39547-97111

METER NUMBER:

CABLE PLAN
(NOT TO SCALE)



TS 2515
ECON 63



REMOVAL AND RELOCATION NOTES:

1. 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.
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

8 EACH PEDESTRIAN PUSH-BUTTON

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 111TH ST

SCALE: 1" = 20' SHEET 11 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	113
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

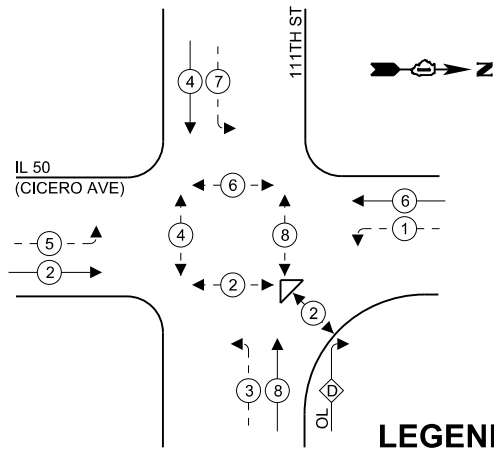
TS 2510
ECON 63

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2015-02)\WO 25 62V36\GNCICADD_Sheets\62V36-ehs-051.dgn

INFRASTRUCTURE
ENGINEERING
One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.1500 | F 312.425.1504 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

EXISTING & PROPOSED
CONTROLLER SEQUENCE



LEGEND

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

RIGHT TURN OVERLAP PHASE DESIGNATION		
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1008
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	119
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	979
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	5	11	55
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			510
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING 1115

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION

201 W. CENTER CT,
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 41177-01111

METER NUMBER:

DESIGNED -	NFO	REVISED -	NFO 4/8/2025
DRAWN -	NFO	REVISED -	
CHECKED -	ACL	REVISED -	
DATE -	04/08/2025	REVISED -	

IL 50
(CICERO AVE)

EX. INTERSECTION AND
SAMPLING DETECTORS

EX. INTERCONNECT
113TH ST/HANGER CLINIC

EX. INTERCONNECT TO
KOSTNER AVE

CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 111TH ST

SCALE: NTS SHEET 12 OF 24 SHEETS STA. TO STA.

TS 2510
ECON 63

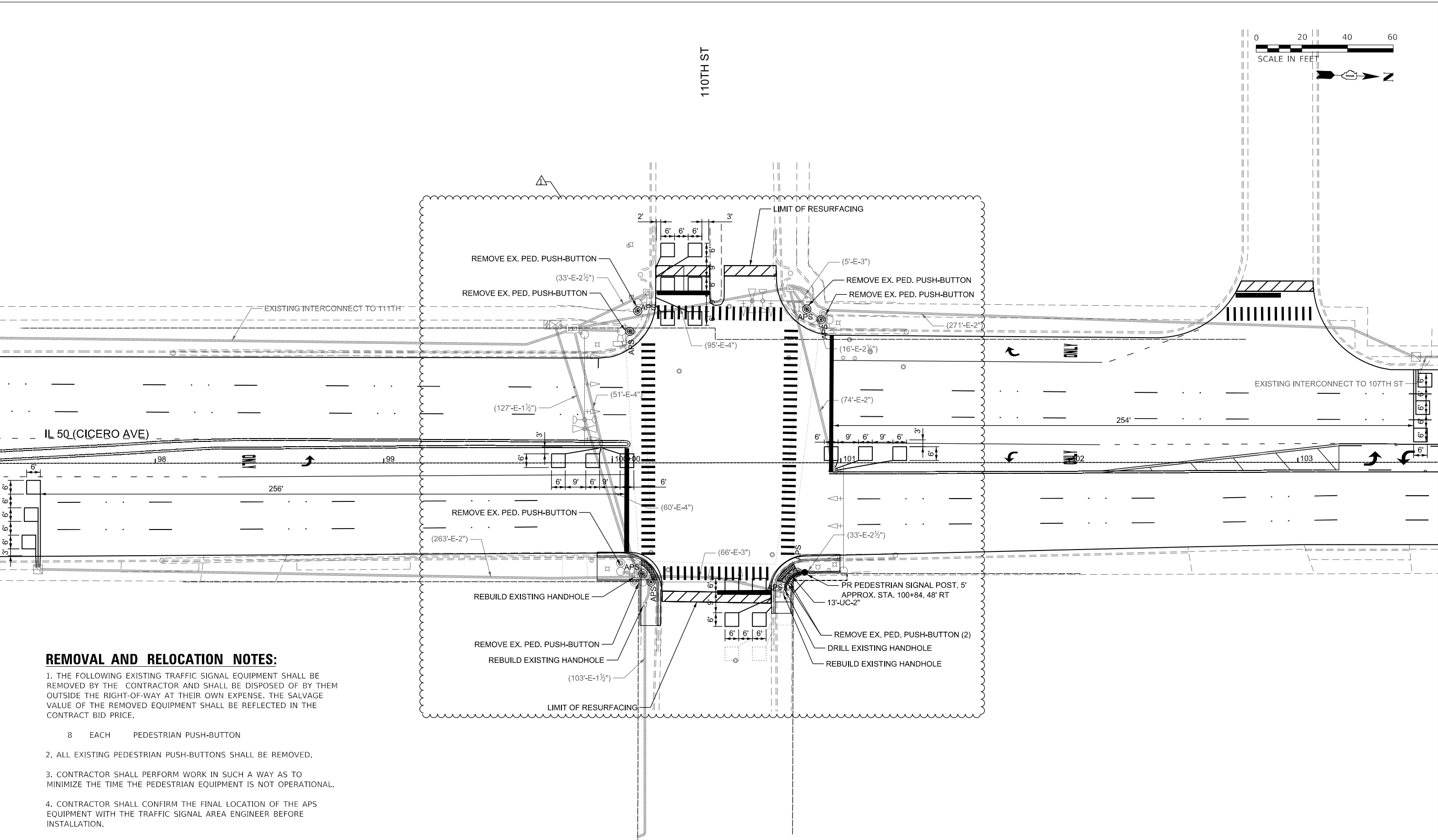
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	114
CONTRACT NO. 62V36				

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 DOT Various Phase 2 (PTB 2016-02)\WO 25 62V36\GNCADD_Sheets\62V36-sch-ts-052.dgn

INFRASTRUCTURE
ENGINEERING
One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.1500 | F 312.425.1514 | www.infrastructre-eng.com

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2015-02)\WO 25 62V36\GNCICADD_Sheets\62V36-shts-061.dgn



REMOVAL AND RELOCATION NOTES:

1. 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
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

INFRASTRUCTURE ENGINEERING INCORPORATED

One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.9500 | F 312.425.9504 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

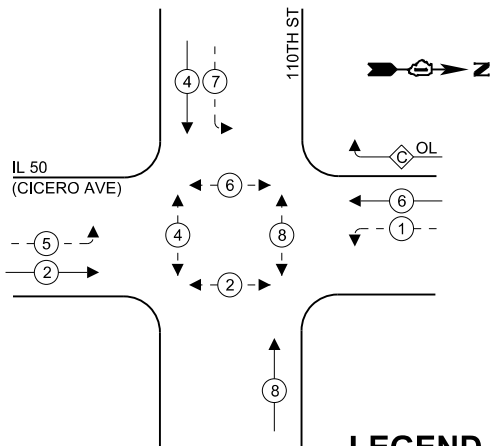
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN IL 50 (CICERO AVE) & 110TH ST			
SCALE: 1" = 20'	SHEET 13	OF 24 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	115
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

TS 2505
ECON 63

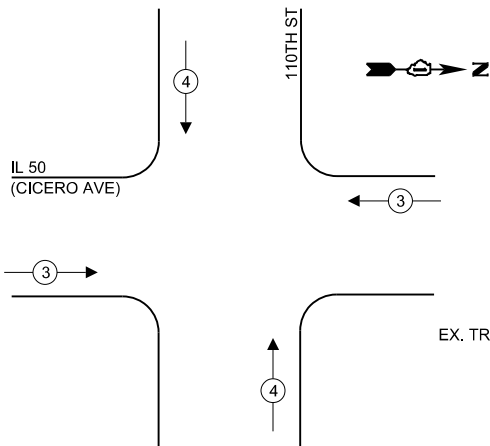
EXISTING & PROPOSED
CONTROLLER SEQUENCE



LEGEND

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

EXISTING & PROPOSED EMERGENCY
VEHICLE PREMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION		
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6	+ 7

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	13
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	404
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	791
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	8	13	88
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			482
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1087

ENERGY COSTS TO:
VILLAGE OF OAK LAWN

9446 RAYMOND AVE,
OAK LAWN, IL 60453

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

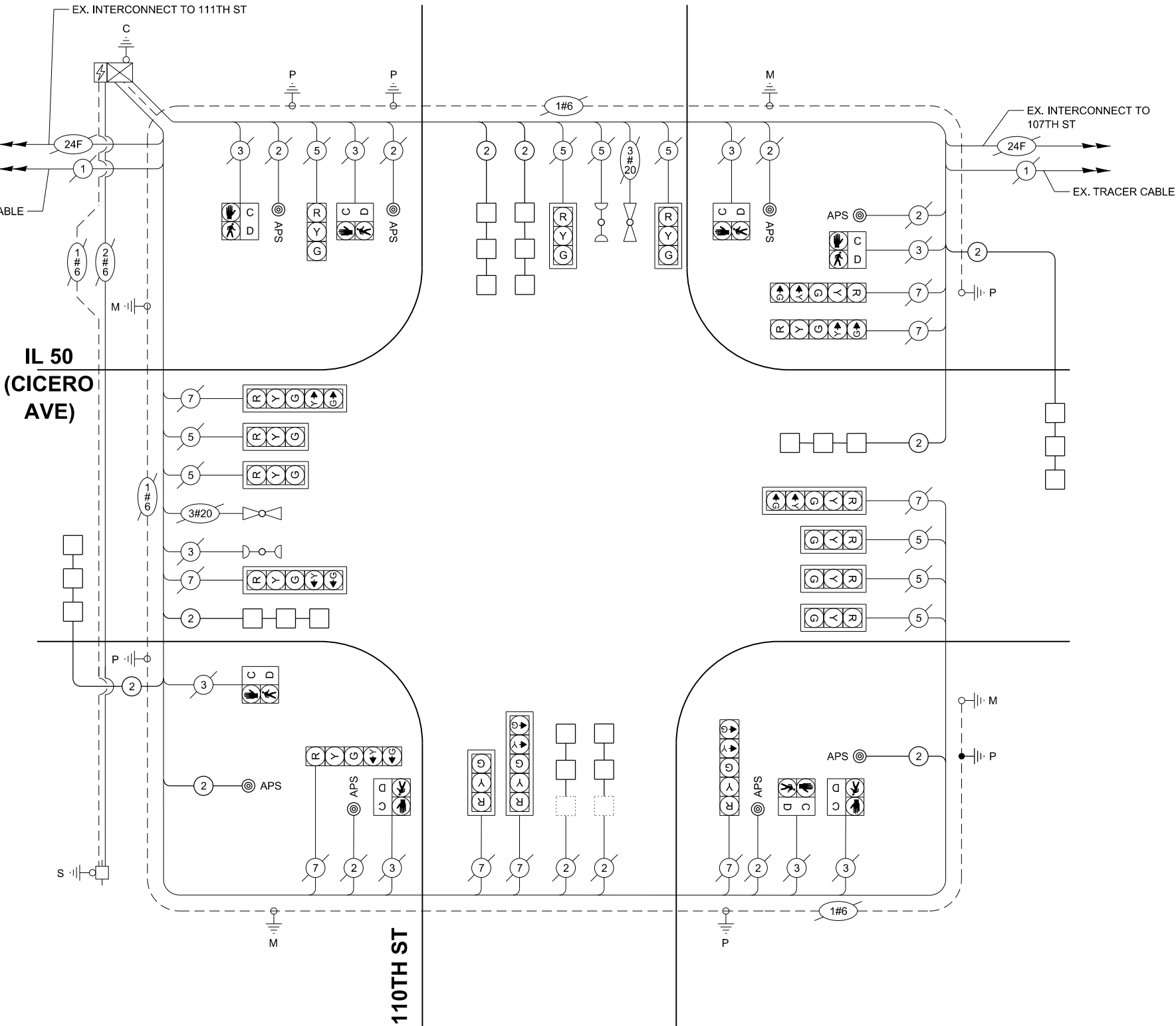
ACCOUNT NUMBER: 30760-51222

METER NUMBER:

USER NAME = Alane
DESIGNED - NFO
DRAWN - NFO
CHECKED - ACL
DATE - 04/08/2025

REVISED - NFO 4/8/2025
REVISED -
REVISED -
REVISED -

CABLE PLAN
(NOT TO SCALE)



TS 2505
ECON 63

SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 110TH ST

SCALE: NTS SHEET 14 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	116
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

0 20 40 60

SCALE IN FEET



107TH ST

EXIST INTERCONNECT TO 105TH ST

IL 50 (CICERO AVE)

REMOVAL AND RELOCATION NOTES:

1. 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.

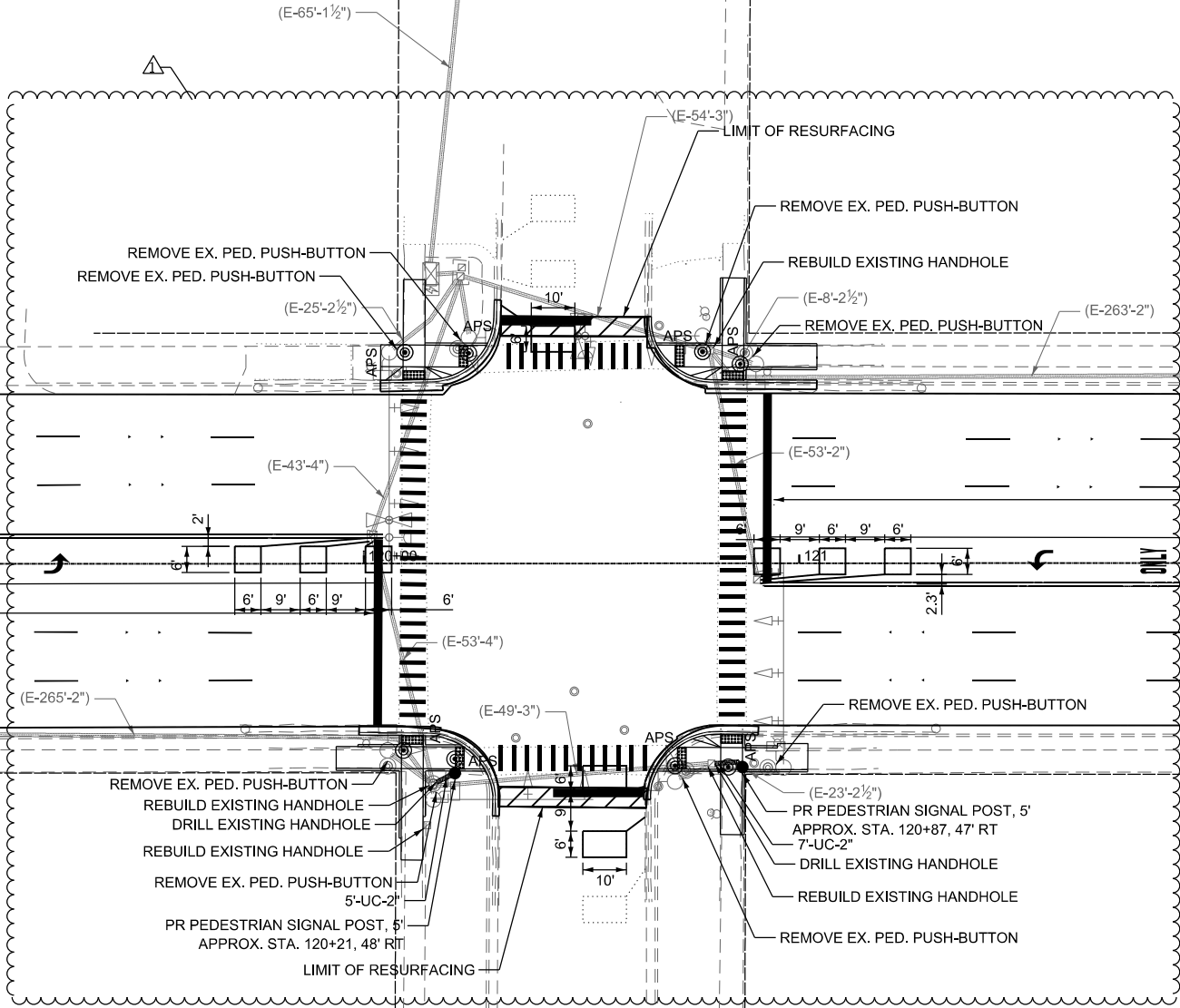
8 EACH PEDESTRIAN PUSH-BUTTON

2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

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

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

5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 107TH ST

SCALE: 1" = 20'

SHEET 15

OF 24

SHEETS

STA.

TO STA.

F.A.P.
RTE.

SECTION

COUNTY

TOTAL SHEET
SHEETS NO.

350

FAP 0350 23 SMART

COOK

144

CONTRACT NO. 62V36

ILLINOIS FED. AID PROJECT

TS 2500
ECON 63

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2015-02)\WO 25 62V36\GNICADD_Sheets\62V36-sht-071.dgn

INFRASTRUCTURE
ENGINEERING

USER NAME = ALane

DESIGNED - NFO

DRAWN - NFO

CHECKED - ACL

DATE - 04/08/2025

REVISED - NFO 4/8/2025

REVISED -

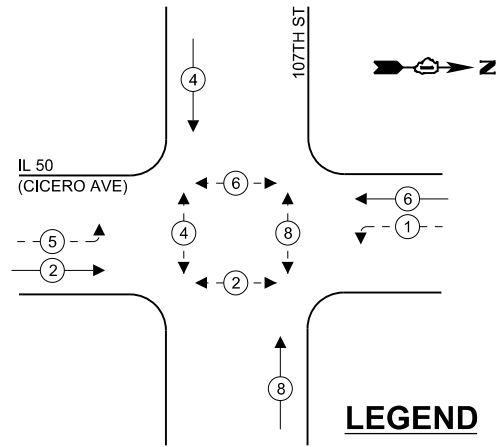
REVISED -

REVISED -

PLOT DATE = 4/10/2025

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 [DOT Various Phase 2] (PTB 2016-02) \WO 25 62V36\GNCADD_Sheets\62V36-sht-ts-072.dgn

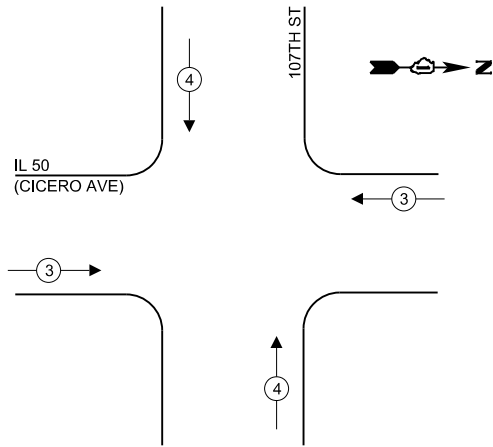
EXISTING & PROPOSED
CONTROLLER SEQUENCE



LEGEND

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

EXISTING & PROPOSED EMERGENCY
VEHICLE PREMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	12
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	282
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	60
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	567
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		479	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING 1084

ENERGY COSTS TO:
VILLAGE OF OAK LAWN

9446 RAYMOND AVE,
OAK LAWN, IL 60453

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 30760-51222

METER NUMBER:



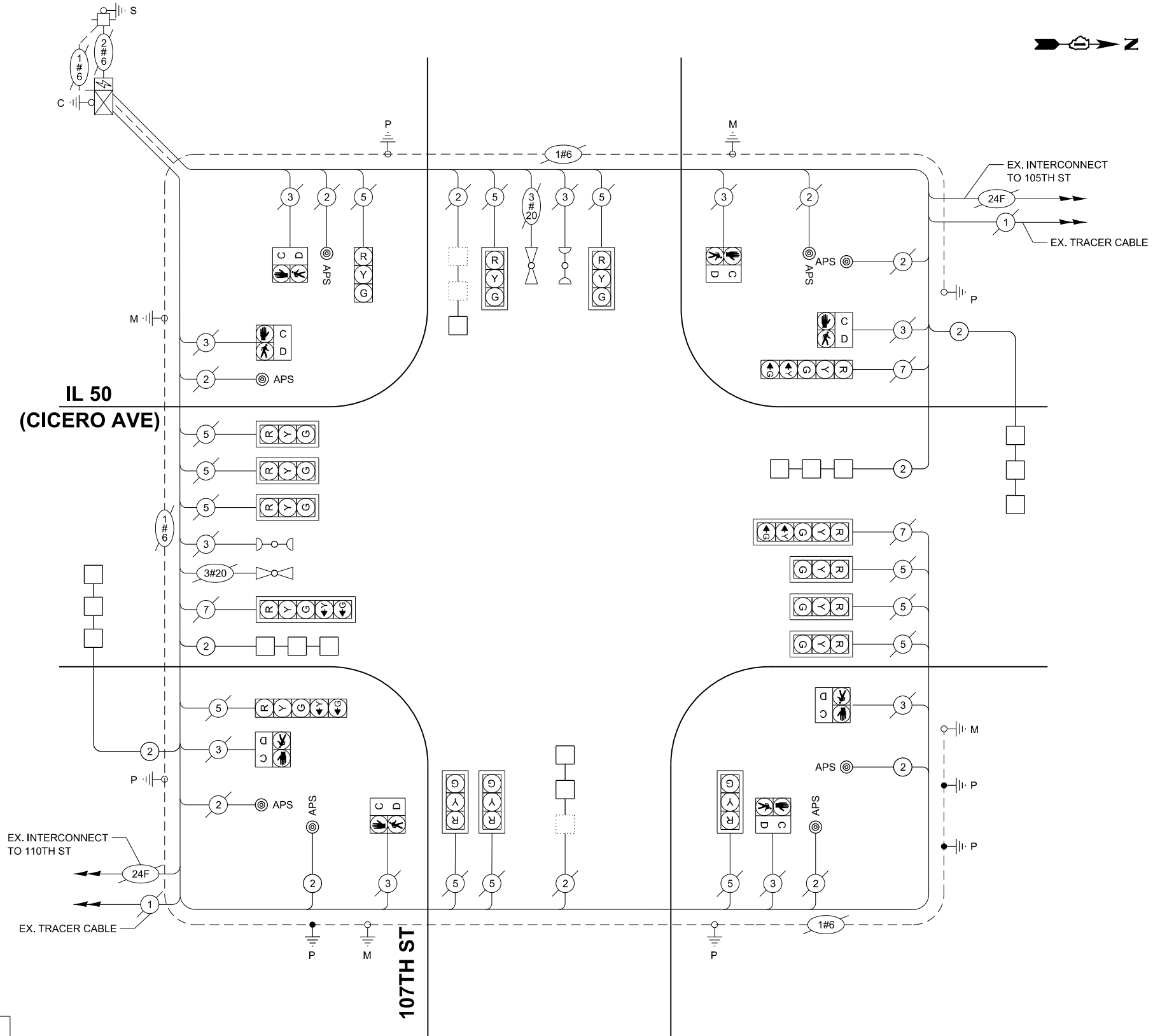
One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.1500 | F 312.425.1514 | www.infrastructureeng.com

USER NAME = Alane
DESIGNED - NFO
DRAWN - NFO
CHECKED - ACL
DATE - 04/08/2025
PLOT DATE = 4/10/2025

DESIGNED - NFO	REVISED - NFO 4/8/2025
DRAWN - NFO	REVISED -
CHECKED - ACL	REVISED -
DATE - 04/08/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
(NOT TO SCALE)

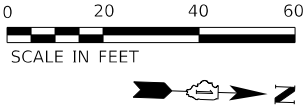


TS 2500
ECON 63

SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 107TH ST

SCALE: NTS SHEET 16 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	118
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				



105TH ST

IL 50 (CICERO AVE)

REMOVAL AND RELOCATION NOTES:

1. 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.

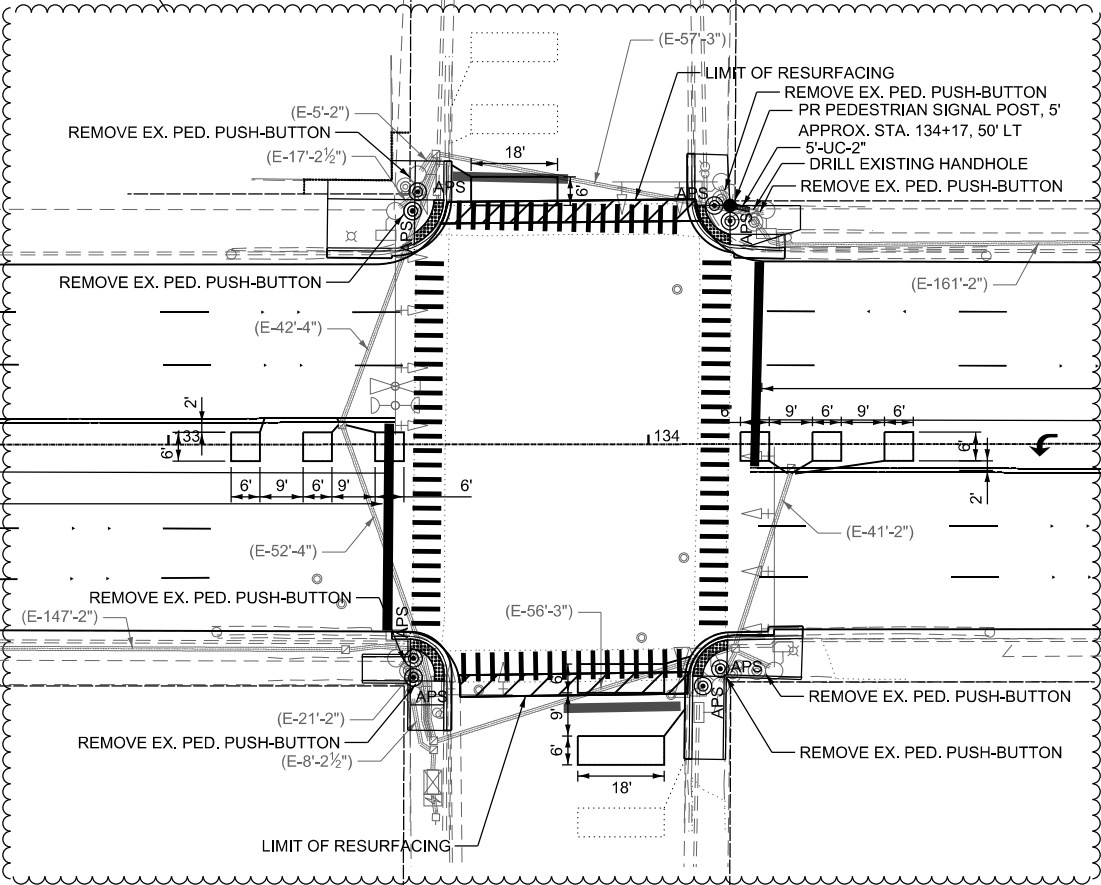
8 EACH PEDESTRIAN PUSH-BUTTON

2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

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

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

5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 105TH ST

SCALE: 1" = 20' SHEET 17 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	119
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

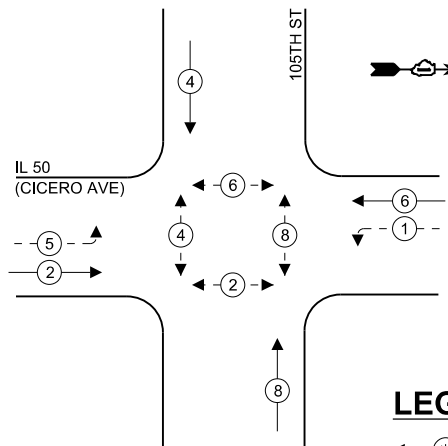
TS 21015
ECON 63

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2015-02)\WO 25 62V36\DNICADD_Sheets\62V36-sht-15-081.dgn

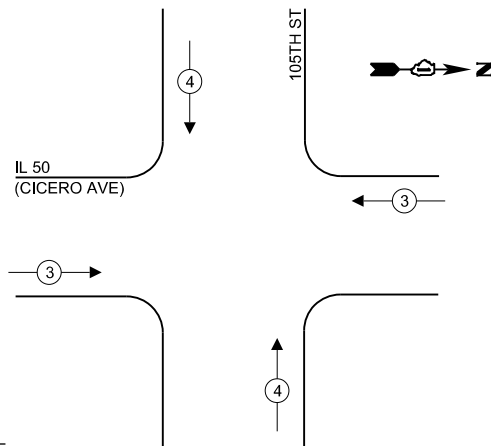
INFRASTRUCTURE
ENGINEERING
One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.1500 | F 312.425.1554 | www.infrastructure-engineering.com

USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

EXISTING & PROPOSED
CONTROLLER SEQUENCE



EXISTING & PROPOSED EMERGENCY
VEHICLE PREMPTION SEQUENCE



LEGEND

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	592
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	586
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT	WATTAGE	TOTAL
SIGNAL HEAD 1 OR 3-SECTION	12	11	132	
4-SECTION	-	14	-	
5-SECTION	4	13	52	
PROGRAMMABLE 3-SECTION	-	22	-	
4-SECTION	-	32	-	
5-SECTION	-	28	-	
PEDESTRIAN SIGNAL	8	15	120	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	-	20	-	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING			479	
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	

ENERGY COSTS TO:
VILLAGE OF OAK LAWN

9446 RAYMOND AVE,
OAK LAWN, IL 60453

ENERGY SUPPLY:

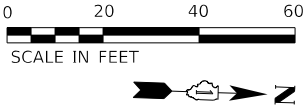
CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 30760-51222

METER NUMBER:



MATCH LINE - SEE ABOVE

MATCH LINE - SEE BELOW

REMOVAL AND RELOCATION NOTES:

1. 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
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 IDOT Various Phase 2 (PTB 2016-02)\WO 25 62V36\GNCICADD_Sheets\62V36-sht-63-091.dgn



USER NAME = ALane
DESIGNED - NFO
DRAWN - NFO
CHECKED - ACL
PLOT DATE = 4/10/2025

DESIGNED - NFO
DRAWN - NFO
CHECKED - ACL
DATE - 04/08/2025

REVISED - NFO 4/8/2025
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

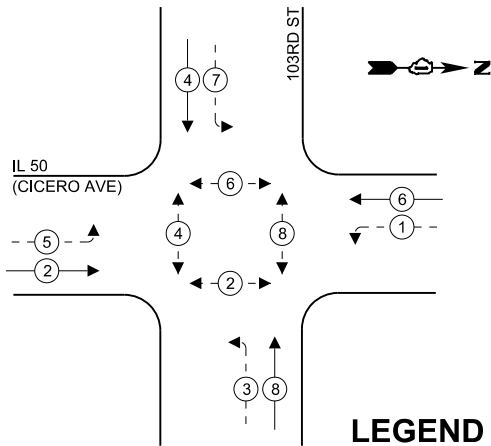
TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & 103RD ST

SCALE: 1" = 20' SHEET 19 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	121
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

TS 2495
ECON 63

EXISTING & PROPOSED
CONTROLLER SEQUENCE



LEGEND

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

SCHEDULE OF QUANTITIES

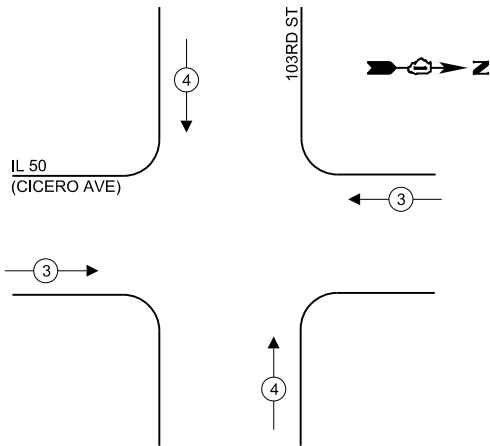
ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	72
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1411
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	100
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE I	FOOT	940
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			487
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING 1092

EXISTING & PROPOSED EMERGENCY
VEHICLE PREPTION SEQUENCE



IL 50
(CICERO AVE)

EX. INTERCONNECT
TO 105TH ST

EX. TRACER CABLE

CABLE PLAN
(NOT TO SCALE)

TS 2495
ECON 63

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 103RD ST

SCALE: NTS SHEET 20 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	122
CONTRACT NO. 62V36				

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 DOT Various Phase 2 (PTB 2016-02)\WO 25 62V36\GNCADD_Sheets\62V36-shts-002.dgn

INFRASTRUCTURE
ENGINEERING | INCORPORATED
One South Wacker Drive | Suite 2650 | Chicago, IL 60606
P 312.425.1500 | F 312.425.1514 | www.infrastructureeng.com

USER NAME	= ALane
PLOT DATE	= 4/10/2025

ENERGY COSTS TO:
VILLAGE OF OAK LAWN

9446 RAYMOND AVE,
OAK LAWN, IL 60453

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT

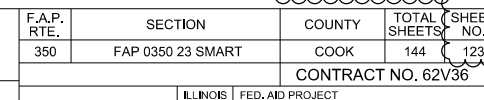
PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 30760-51222

METER NUMBER:

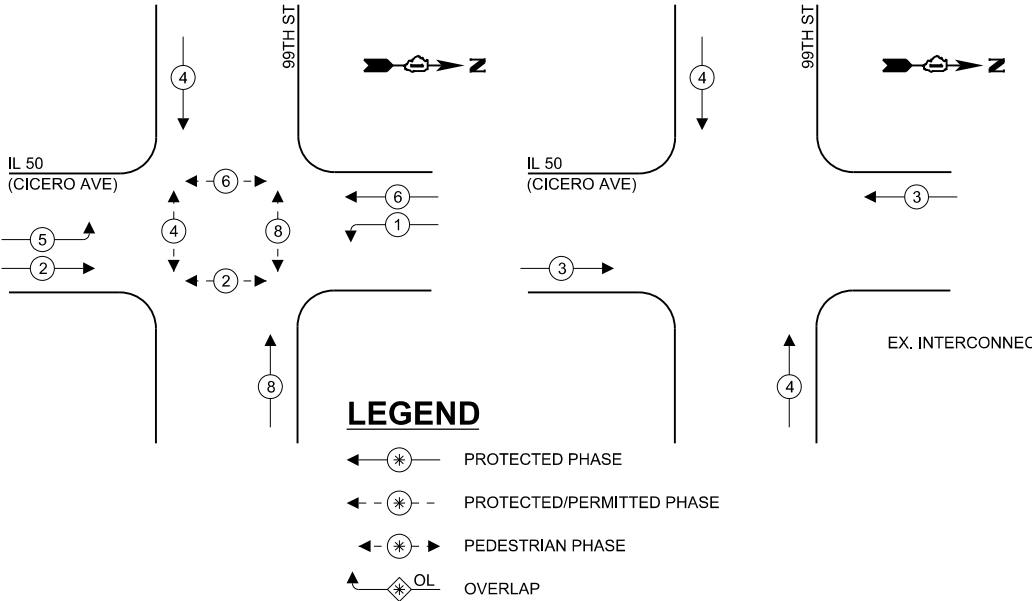
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DRAWN	-	NFO	REVISED	-	
CHECKED	-	ACL	REVISED	-	
DATE	-	04/08/2025	REVISED	-	



MODEL: Default
FILE NAME: P:\P-22122-4675-00 IDOT Various Phase 2 (PTB 206-002)\WO 25 62\36\IDGN\CADD Sheets\62V36-sht-is-101.dgn

EXISTING & PROPOSED CONTROLLER SEQUENCE

EXISTING & PROPOSED VEHICLE PREMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	27
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	92
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	56
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	528
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			479
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING 1084

ENERGY COSTS TO:
VILLAGE OF OAK LAWN

9446 RAYMOND AVE,
OAK LAWN, IL 60453

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 30760-51222

METER NUMBER:

USER NAME = ALane

DESIGNED - NFO

REVISED -

NFO 4/8/2025

DRAWN - NFO

REVISED -

CHECKED - ACL

REVISED -

DATE - 04/08/2025

REVISED -

PLOT DATE = 4/10/2025

IL 50
(CICERO AVE)

99TH ST

CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOQ, CABLE PLAN, PHASE DIAGRAM
IL 50 (CICERO AVE) & 99TH ST

SCALE: NTS

SHEET 22

OF 24

SHEETS

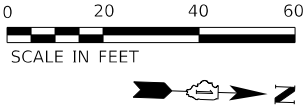
STA.

TO STA.

TS 2490
ECON 63

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	124
CONTRACT NO. 62V36				

ILLINOIS FED. AID PROJECT



MATCH LINE - SEE ABOVE

IL 50 (CICERO AVE)

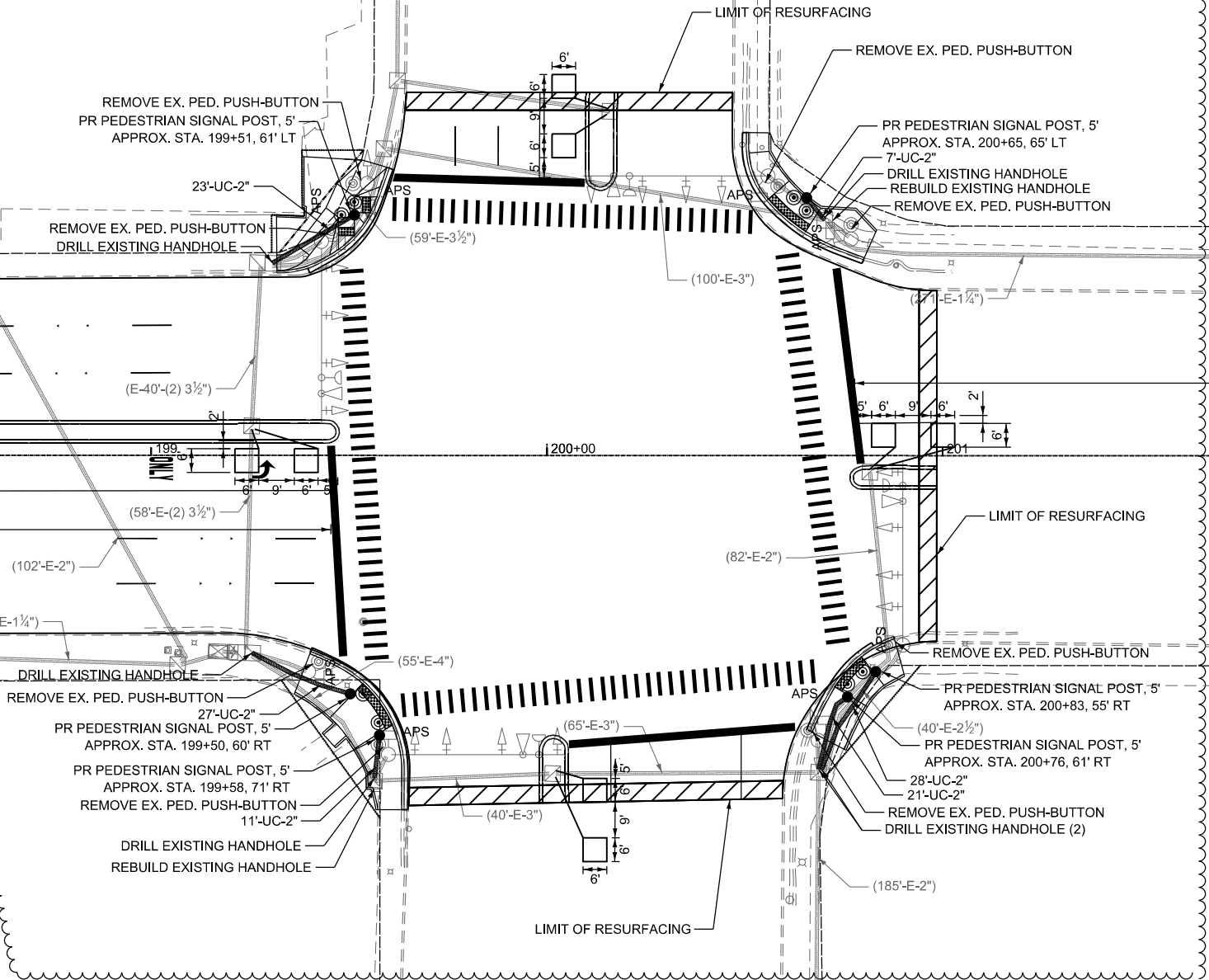
US 20/12 (95TH ST)

REMOVAL AND RELOCATION NOTES:

1. 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
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

MATCH LINE - SEE BELOW



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL 50 (CICERO AVE) & US 20/12 (95TH ST)

SCALE: 1" = 20' SHEET 23 OF 24 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 23 SMART	COOK	144	125
CONTRACT NO. 62V36				
ILLINOIS FED. AID PROJECT				

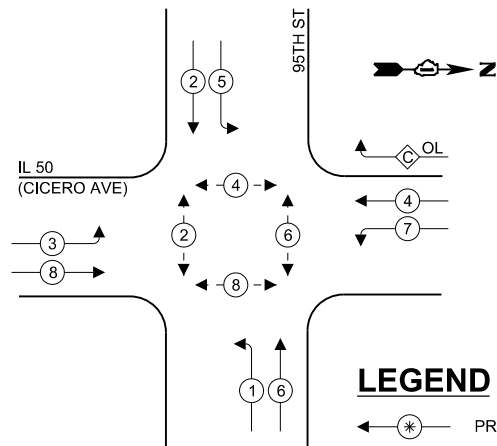
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ECON 127

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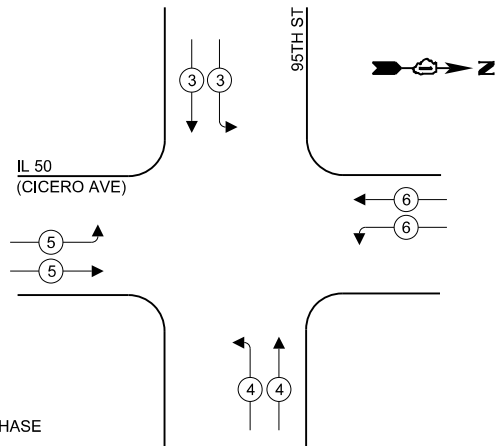
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USER NAME = ALane	DESIGNED - NFO	REVISED - NFO 4/8/2025
	DRAWN - NFO	REVISED -
	CHECKED - ACL	REVISED -
PLOT DATE = 4/10/2025	DATE - 04/08/2025	REVISED -

EXISTING & PROPOSED
CONTROLLER SEQUENCE



EXISTING & PROPOSED EMERGENCY
VEHICLE PREEMPTION SEQUENCE



LEGEND

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

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 4	+ 5

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	118
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1557
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	200
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE I	FOOT	526
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL
SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	22	11	242
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	25
UPS	1	25	-
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			563
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING 1648

ENERGY COSTS TO:
VILLAGE OF OAK LAWN

9446 RAYMOND AVE,
OAK LAWN, IL 60453

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 30760-51222

METER NUMBER: