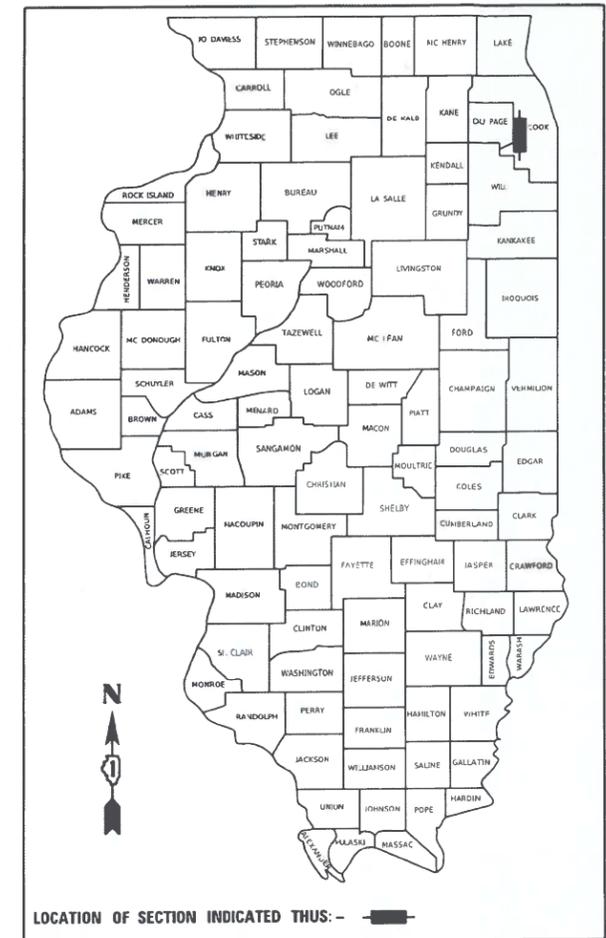


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2021-030-RS	COOK	35	1
ILLINOIS CONTRACT NO. 62N43				

* 35 + 1 = 36 TOTAL SHEETS

D-91-093-21



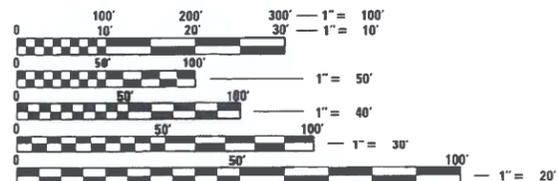
LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION: OTHER PRINCIPAL ARTERIAL
FAP ROUTE 330: LA GRANGE ROAD
2019 ADT: 26,100
SPEED LIMIT: VARIES 30-40 MPH

THIS PROJECT IS LOCATED IN THE VILLAGES OF LA GRANGE PARK AND WESTCHESTER

PROPOSED HIGHWAY PLANS
FAP ROUTE 330: US RTE 12/20/45 (LA GRANGE ROAD)
FROM 31ST ST TO N OF CERMAK RD
SECTION 2021-030-RS
PROJECT NHPP-9P76(903)
SMART OVERLAY AND ADA RAMP IMPROVEMENTS
COOK COUNTY
C-91-116-21



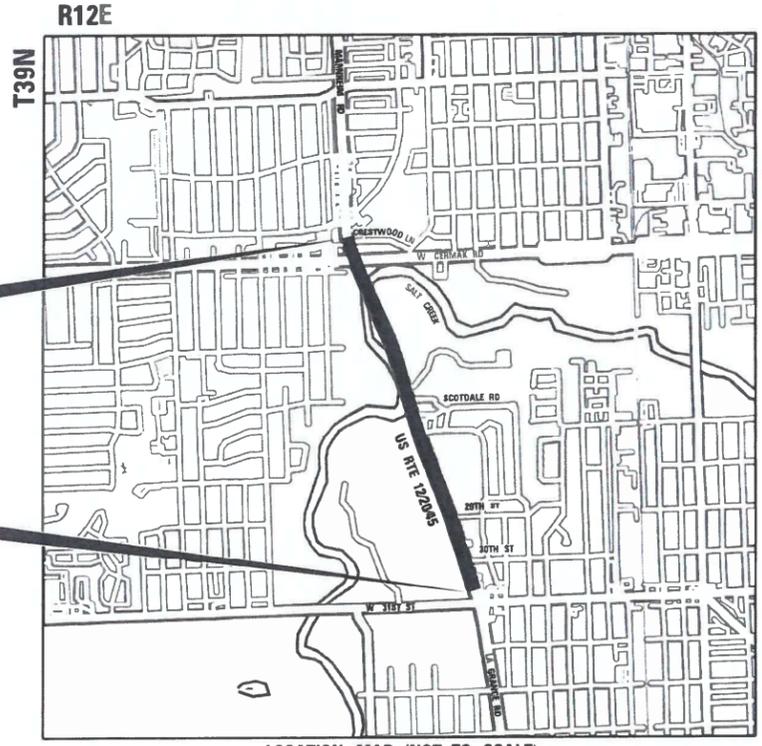
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENDS
STA 74 + 95 SB
STA 75 + 15 NB

RESURFACING OMISSION
STA 65 + 45 TO
STA 67 + 49

PROJECT BEGINS
STA 16 + 07



LOCATION MAP (NOT TO SCALE)
LYONS TOWNSHIP
GROSS LENGTH = 5,908 FT. = 1.118 MILE
NET LENGTH = 5,908 FT. = 1.118 MILE

PROFESSIONAL ENGINEER
JAMAL JOSEPH DAVIS
06202774
Jamal Davis

DATE SIGNED: 03-14-22
EXP. DATE: 11-30-23
SHEETS: 1-14

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED March 16, 2022
Jose Rios Lara REGIONAL ENGINEER
May 13, 2022
ENGINEER OF DESIGN AND ENVIRONMENT
May 13, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER MR. DANIEL WILGREEN, P.E. (847) 705-4240
PROJECT MANAGER MR. FAWAD AQUEEL, P.E., PTOE

CONTRACT NO. 62N43

Accurate GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	ADA CURB RAMP SCHEDULE OF QUANTITIES
7-8	TYPICAL SECTIONS AND DETAILS
9-12	RESURFACING AND PAVEMENT MARKING PLANS
13	ADA CURB RAMP DETAILS
14-17	PROJECT DETAILS FOR ADA CURB RAMP
17-24A	DETECTOR LOOP REPLACEMENT AND APS PLANS
25	BD-18 DETAILS FOR FRAMPS AND LIDS ADJUSTMENT WITH MILLING
26	BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
27	BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
28	BD-32 BUTT JOINT AND HMA TAPER DETAILS
29	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
30	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
31	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
32	TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAY (TO REMAIN OPEN TO TRAFFIC)
33	TC-16 SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
34	TC-22 ARTERIAL ROAD INFORMATION SIGN
35	TS-07 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. 48 HOUR NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF LAGRANGE PARK AND VILLAGE OF WESTCHESTER.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK AND INSTALLATION.
- THE ENGINEER SHALL CONTACT THE CENTRAL COOK TRAFFIC FIELD AREA ENGINEER EMAD AL HUSSEINI AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PLACEMENT MARKINGS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED AT A MINIMUM OF 1:3 (V:H), OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING, RESURFACING, AND CLASS D PATCHING OPERATIONS.
- THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN IN THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF 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 CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- EXACT LOCATIONS OF PAVEMENT PATCHING AND CURB & GUTTER REMOVAL & REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKING STANDARD DETAIL. ALL CROWWALKS SHALL BE HIGH VISIBILITY OPTION (TC-13 TYPICAL CROSSWALK MARKING, DETAIL B)
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- RELOCATION OF EXISTING PLANTER BOXES IS INCLUDED IN THE COST OF SIDEWALK REMOVAL.
- 2-FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OR WORK TO EXISTING CURBS AND GUTTERS UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK.
- SAW CUTTING OF PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED EXCEPT FR CLASS A PATCHES .
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION AND EXISTING SIDEWALK TO BE REMOVED WITHOUT PROPOSED REPLACEMENT SHALL BE RESTORED WITH "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" AS DIRECTED BY THE ENGINEER.
- THE SIDEWALK ON ONLY ONE SIDE OF THE ROAD MAY BE CLOSED AT ANY TIME, WHILE THE SIDEWALK ON THE OPPOSITE SIDE OF THE ROAD SHALL REMAIN OPEN AND FULLY ACCESSIBLE. THE CONTRACTOR SHALL PLAN AND SCHEDULE ALL WORK ACCORDINGLY.
- PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS TO THE EXTENT POSSIBLE, TO BE DETERMINED BY THE ENGINEER.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE PERFORMED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ANY DETECTOR LOOPS DAMAGED OUTSIDE OF THE RESURFACING LIMITS SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) SO 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.
- THE CONTRACTOR SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO (2) WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.
- ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATION SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- ONLY CORNERS WITH CURB RAMP IMPROVEMENT SYMBOLS WILL BE RECONSTRUCTED UNDER THIS CONTRACT.

LIST OF STATE HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
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
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

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	DRAWN - MA	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 5/23/2022	DATE - 03/18/2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES US 12 /20 /45 OVERLAY AND ADA RAMP IMPROVEMENTS

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

REVISED SHEET 5/27/2022

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2021-030-R5	COOK	35	2
CONTRACT NO. 62N43				
ILLINOIS FED. AID PROJECT 9P76(903)				

MODEL: SDO_3
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE SAFETY	100% STATE ROADWAY
				0005 URBAN	0021 URBAN	0005 URBAN
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	47	47		
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	110	110		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	672	672		
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	582	582		
	78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	8908	8908		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	43 50	43 50		△
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	778 1540	778 1540		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	69 83	69 83		△
* 87900200	DRILL EXISTING HANDHOLE	EACH	4 5	4 5		△
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	593	593		
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	622	622		
* 89502200	MODIFY EXISTING CONTROLLER	EACH	1	1		
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	578	578		△
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1		

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE SAFETY	100% STATE ROADWAY
				0005 URBAN	0021 URBAN	0005 URBAN
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1		
X0326806	WASHOUT BASIN	L SUM	1	1		
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	1188	1188		
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4 5	4 5		△
X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	5.9	5.9		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	30	30		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	340		340	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12		
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8		
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16 20	16 20		△
Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	431	431		
Z0018100	DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)	EACH	15	15		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	17		17	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	257	257		
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1	
Ø Z0076600	TRAINEES	HOURS	500	500		
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500		

* SPECIALTY ITEMS



USER NAME = jdavis	DESIGNED - MA	REVISED -
	DRAWN - MA	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 3/23/2022	DATE - 03/18/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 US 12 /20 /45 OVERLAY AND ADA RAMP IMPROVEMENTS

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

REVISED SHEET 5/27/2022		0042	
F.A.P. RTE. 330	SECTION 2021-030-R5	COUNTY COOK	TOTAL SHEETS 35
		SHEET NO. 5	CONTRACT NO. 62N43
ILLINOIS FED. AID PROJECT 9P76(903)			

NOTES

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

5 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL

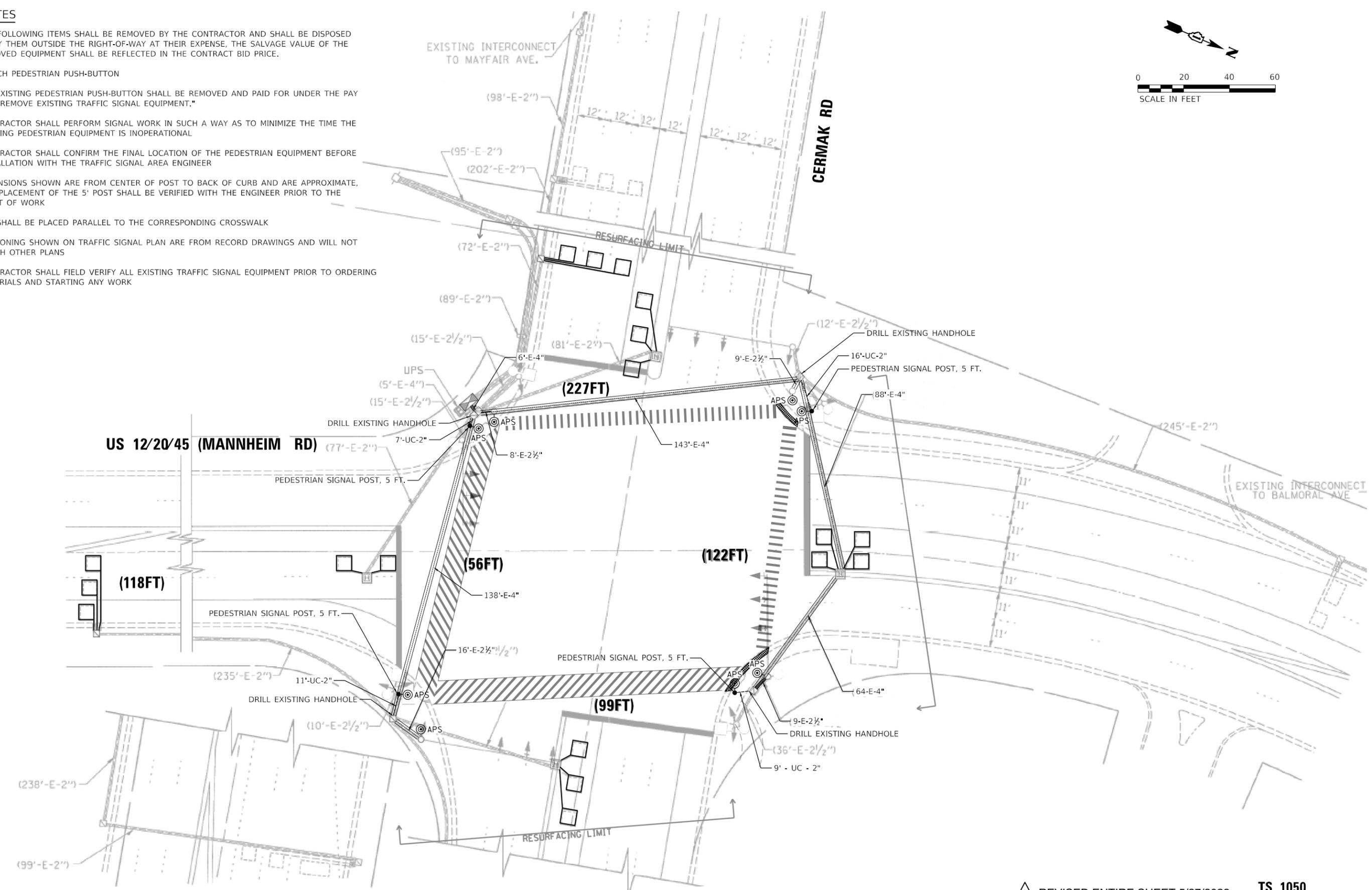
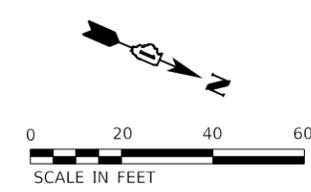
CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER

DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK

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

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK



MODEL Director: Loop
 FILE Name: C:\Engineering\Live\Projects\62N43\DOT DWS_HDR\W01 - 62N43\CADD\CADD_Sheets\CADD162N43-20-APS and Director: Loop.dgn



USER NAME = jdavis	DESIGNED - JLS	REVISED - 05/23/2022 JJD
PLOT SCALE = 40.0000' / in.	DRAWN - JLS	REVISED -
PLOT DATE = 5/23/2022	CHECKED - JJD	REVISED -
	DATE - 03/18/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESSIBLE PEDESTRIAN SIGNAL INSTALLATION PLAN
US 12 / 20 / 45 OVERLAY AND ADA RAMP IMPROVEMENTS

F.A.P. RTE. 330	SECTION 2021-030-R5	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 24
CONTRACT NO. 62N43				
ILLINOIS FED. AID PROJECT 9P76(903)				

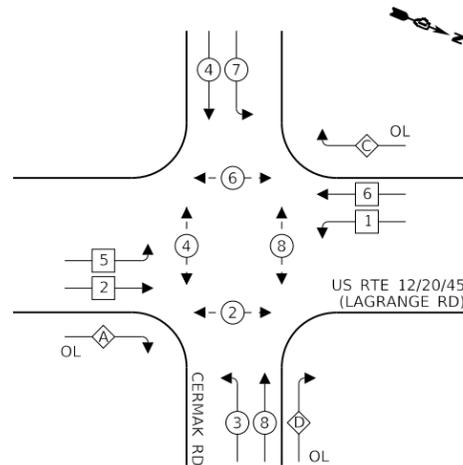
1 REVISED ENTIRE SHEET 5/27/2022 **TS 1050**

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	43
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	778
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	EACH	69
DETECTOR LOOP, TYPE I	FOOT	622
DRILL EXISTING HANDHOLE	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
CONCRETE FOUNDATION, TYPE A, 12 INCH DIA.	FOOT	16
RE-OPTIMIZING TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

EXISTING CONTROLLER SEQUENCE



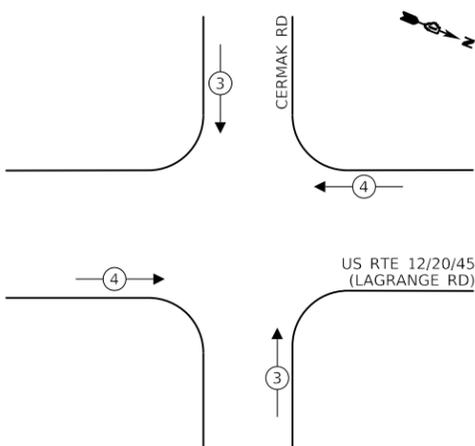
LEGEND

- ← * → DUAL ENTRY PHASE
- ← * SINGLE ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL OVERLAP
- * REFERS TO ASSOCIATED PHASE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

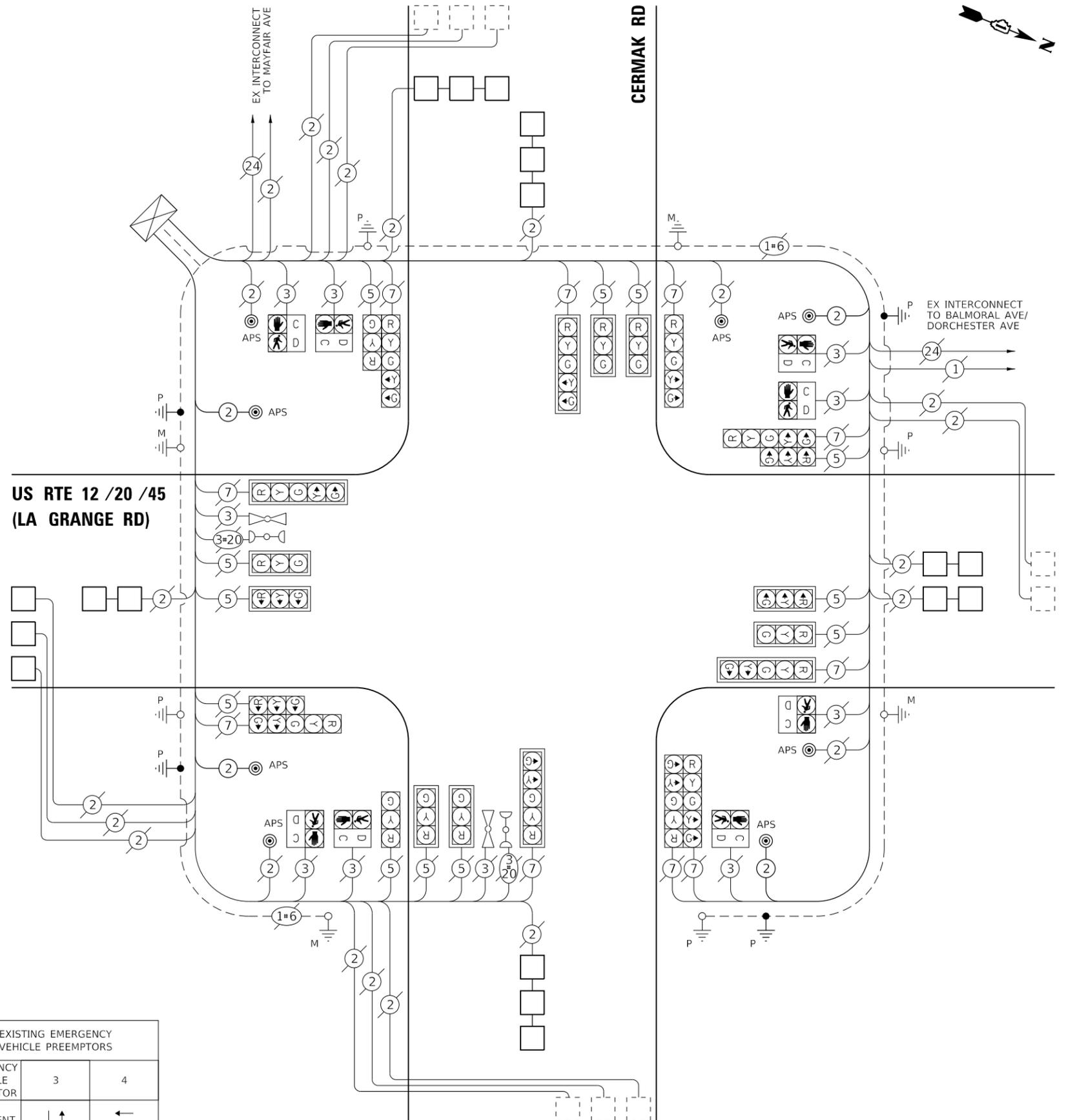
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99
(YELLOW)	18	20	5	18
(GREEN)	18	12	45	98
ARROW (RED)	4	10	90	36
(YELLOW/GREEN)	28	10	10	28
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
TOTAL =				564

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

US RTE 12 /20 /45 (LA GRANGE RD)



CABLE PLAN NOT TO SCALE

ADDED ENTIRE SHEET 5/27/2022 **TS 1050**

MODEL: Default; FILE: \Admin\GIS\Engineering\Live\Projects\31003_IDOT_DVB_HDR\W01 - 62N43\CADD\Sheet\CADD\62N43-04-APS_Cable_Plan.dgn

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

ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
 PHONE: (708) 235-2692
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



USER NAME = j.davis	DESIGNED - DW	REVISED - 05/23/2022 JD
PLOT SCALE = 100,0000' / in.	DRAWN - DW	REVISED -
PLOT DATE = 5/24/2022	CHECKED - JJD	REVISED -
	DATE - 03/18/2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**ACCESSIBLE PEDESTRIAN SIGNAL INSTALLATION PLAN
 US 12 /20 /45 OVERLAY AND ADA RAMP IMPROVEMENTS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2021-030-R5	COOK	35	24A
CONTRACT NO. 62N43				
ILLINOIS FED. AID PROJECT 9P76(903)				