

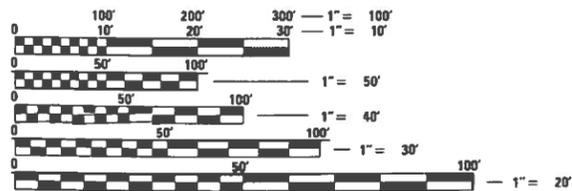
**THIS PROJECT IS LOCATED
IN THE VILLAGE OF CRETE**

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

DESIGN DESIGNATION

IL-1 (MAIN STREET) = OTHER PRINCIPAL ARTERIAL
 2019 AADT =
 10,300 (UNION AVE TO W EXCHANGE ST)
 6,800 (W EXCHANGE ST TO W BURVILLE RD)

POSTED SPEED LIMIT =
 40 MPH (UNION AVE TO 5TH ST)
 35 MPH (5TH ST TO 1ST ST)
 30 MPH (1ST ST TO CASS ST)
 35 MPH (CASS ST TO BURVILLE RD)



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

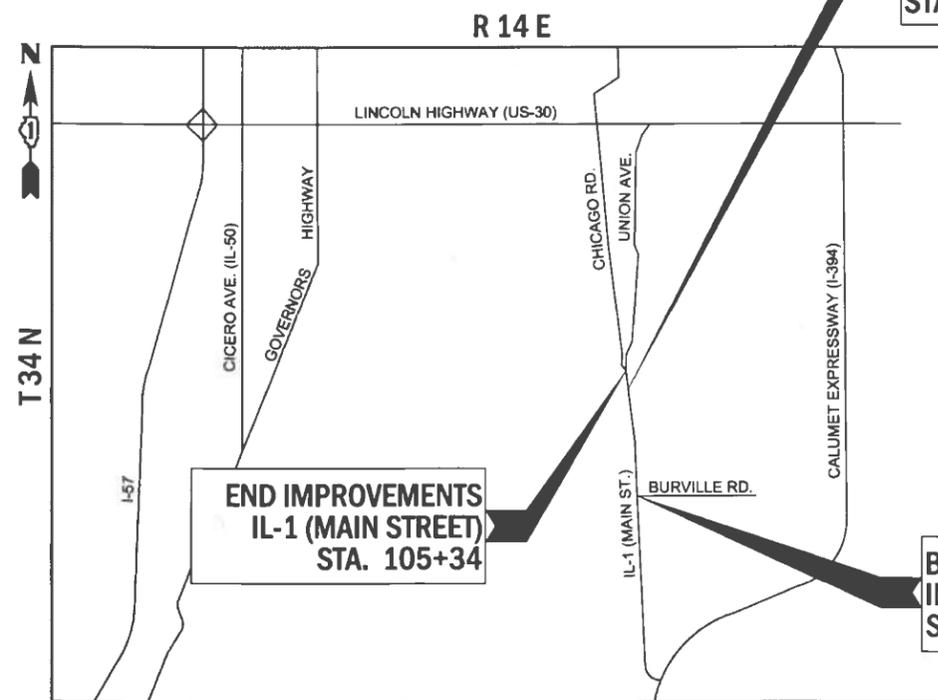
PROJECT ENGINEER: VESELIN VELICHKOV, PE (847) 705-4432
 PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE

CONTRACT NO. 62N50

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PROPOSED
 HIGHWAY PLANS**

F.A.P. ROUTE 876: IL-1 (MAIN STREET)
 UNION AVENUE TO BURVILLE ROAD
 SECTION 2021-036-RS
 PROJECT NHPP-LSCM(170)
 SMART OVERLAY AND ADA IMPROVEMENTS
 WILL COUNTY
 C-91-123-21



CRETE TOWNSHIP

LOCATION MAP
 SCALE = N.T.S.

PROJECT LENGTH (GROSS/NET) = 9,006/8,606 FT (1.71/1.63 MILES)

BRIDGE OMISSION
 SN 099-0076
 STA. 99+50 TO
 STA. 103+50

BEGIN IMPROVEMENTS
 IL-1 (MAIN STREET)
 STA. 15+28

END IMPROVEMENTS
 IL-1 (MAIN STREET)
 STA. 105+34



BY: [Signature] DATE: 03/09/2022
 HDR, INC.
 DWGS 1-14 16-28 36
 LICENSE EXPIRES NOV 30, 2023



BY: [Signature] DATE: 03/09/2022
 ACCURATE GROUP, INC.
 DWGS 15, 29-35
 LICENSE EXPIRES NOV 30, 2023

HDR
 HDR, Inc.
 9450 W. Bryn Mawr Ave., Suite 400
 Chicago, IL 60618
 773-380-7900
 DESIGN FIRM REGISTRATION NUMBER 184.001070

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	2021-036-RS	WILL	36	1
ILLINOIS			CONTRACT NO. 62N50	

* 36 + 1 = 37 TOTAL SHEETS

D-91-100-21



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 11, 2022
Jose Elias REGIONAL ENGINEER
 May 13, 2022 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT
 May 13, 2022 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

MODEL: J0 MODEL: FILE NAME: p:\ip\hds\csc01\HDR_US_Central_01\Documents\11\DOT\DOT_Pls II_Spec_Various TO s 199-15\DOT_PTB 199-15_T06 IL 1 Main\6.0 CAD_BIM\6.2_WPB6.2_3_CADD_Sheet\Roadway\Summary of Quantities

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY URBAN	0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	17,501	17,501		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	776	776		
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	185	185		
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	2,274	2,274		
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	284	284		
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	10,510	10,510		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	33	33		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	299	299		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17,501	17,501		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	776	776		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	185	185		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,274	2,274		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	284	284		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	40	40		
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	5	5		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	39	39		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	506	506		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	5	5		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	506	506		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	9,187	9,187		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	63 46			63 46
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	637 1,274			637 1,274
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	89 60			89 60
* 87900200	DRILL EXISTING HANDHOLE	EACH	4 3			4 3
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,326			1,326
Ø 20076600	TRAINEES	HOURS	500	500		
Ø 20076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500		

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY URBAN	0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH BUTTON	EACH	3			3
* 89502200	MODIFY EXISTING CONTROLLER	EACH	1			1
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	691			691
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1			1
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1		
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	488	488		
X0326681	REMOVE AND RE-ERECT BOULDERS	L SUM	1	1		
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4 3			4 3
X2010100	TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER)	EACH	2	2		
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	0.25	0.25		
X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	2	2		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	312	312		
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	850		850	
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	500		500	
X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	300		300	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	46	46		
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 12			16 12
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,245	1,245		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	87		87	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	115	115		
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1			1
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1,326			1,326

LEGEND

* - DENOTES SPECIALTY ITEM



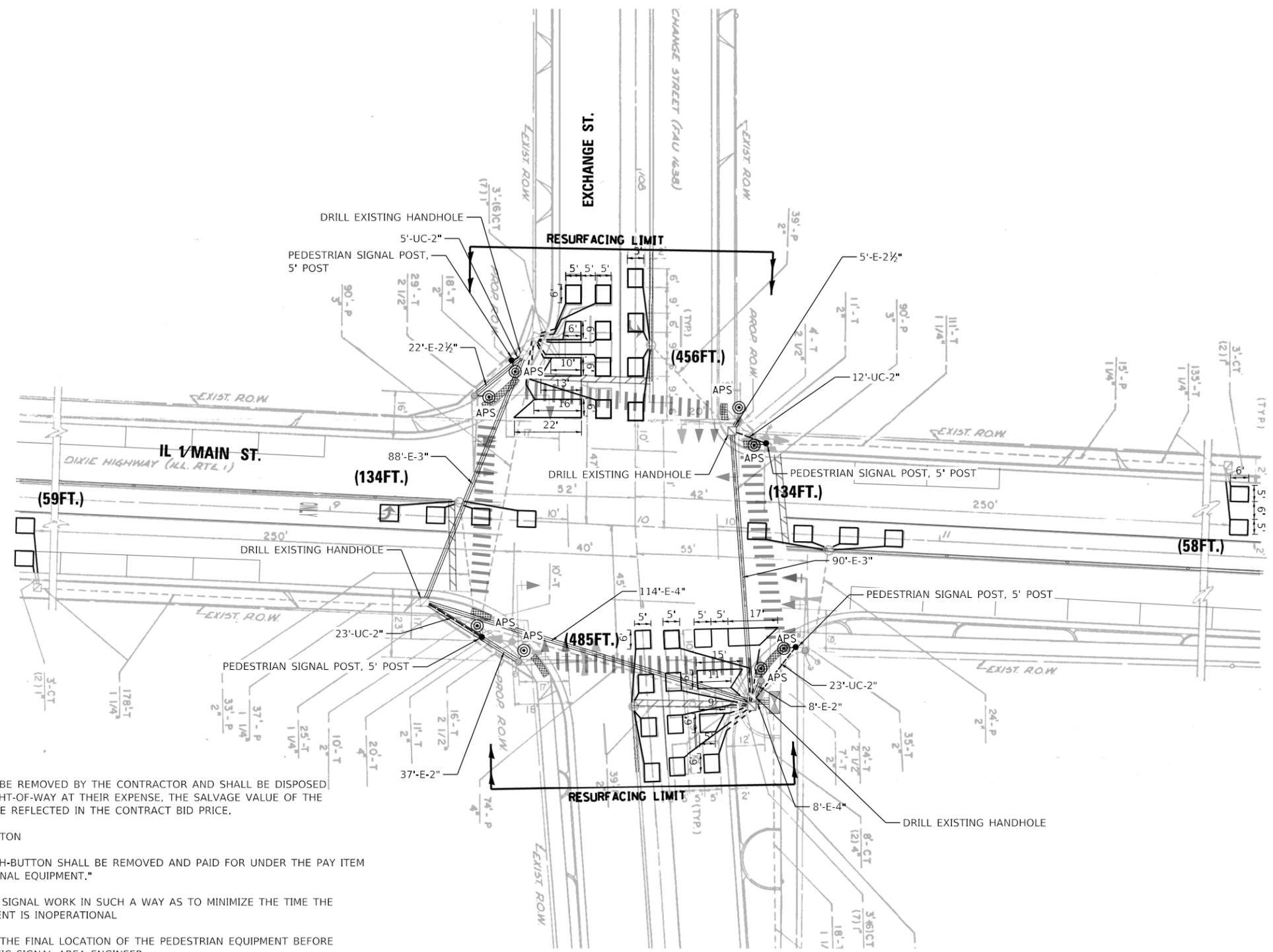
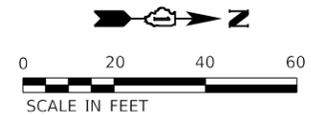
USER NAME = RAZEVEDO	DESIGNED - MSM	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - JRY	REVISED -
PLOT DATE = 3/18/2022	DATE - 3/18/2022	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES IL-1 - MAIN ST. (UNION AVE. TO BURVILLE RD.)

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

REVISED SHEET 5/31/2022		Ø 0042	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
876	2021-036-R5	WILL	36
			SHEET NO. 4
CONTRACT NO. 62N50			
ILLINOIS FED. AID PROJECT			



NOTES

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

REVISION SYMBOL: REVISED ENTIRE SHEET 5/31/2022 **TS 7500**

I:\Projects\62N50\62N50-036-R5\Drawings\62N50-036-R5-01\62N50-036-R5-01-01.dwg
 FILE NAME: C:\Engineering\Live\Projects\62N50\62N50-036-R5\Drawings\62N50-036-R5-01\62N50-036-R5-01-01.dwg
 USER: jldavis
 PLOT DATE: 5/18/2022



USER NAME = jldavis	DESIGNED - JLS	REVISED - 5/16/2022
PLOT SCALE = 40,000' / in.	DRAWN - JLS	REVISED -
PLOT DATE = 5/18/2022	CHECKED - JJD	REVISED -
	DATE - 05/05/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

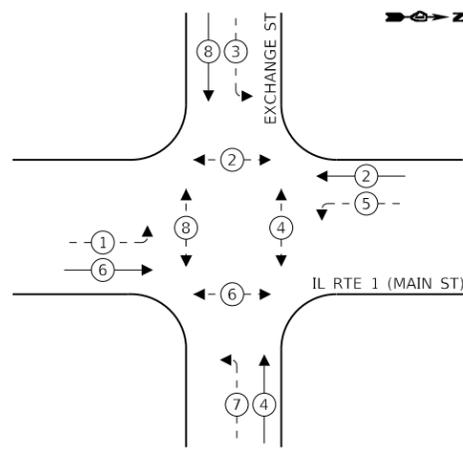
ACCESSIBLE PEDESTRIAN SIGNAL INSTALLATION PLAN	
IL RTE 1 (MAIN ST) AT W EXCHANGE ST	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	2021-036-R5	WILL	36	15
CONTRACT NO. 62N50				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	63
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	637
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6	FOOT	89
DETECTOR LOOP, TYPE I	FOOT	1326
DRILL EXISTING HANDHOLE	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

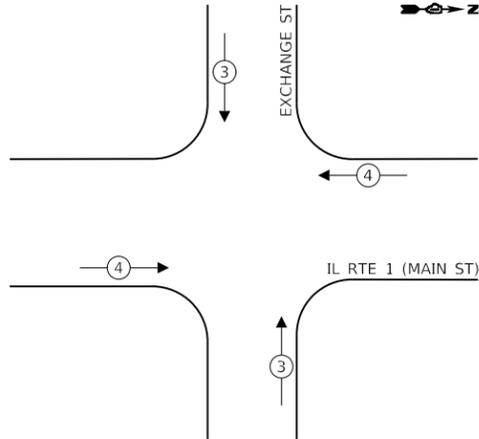
EXISTING CONTROLLER SEQUENCE



LEGEND

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88
(YELLOW)	16	20	5	16
(GREEN)	16	12	45	87
PERMISSIVE ARROW	16	10	10	16
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
TOTAL =				492

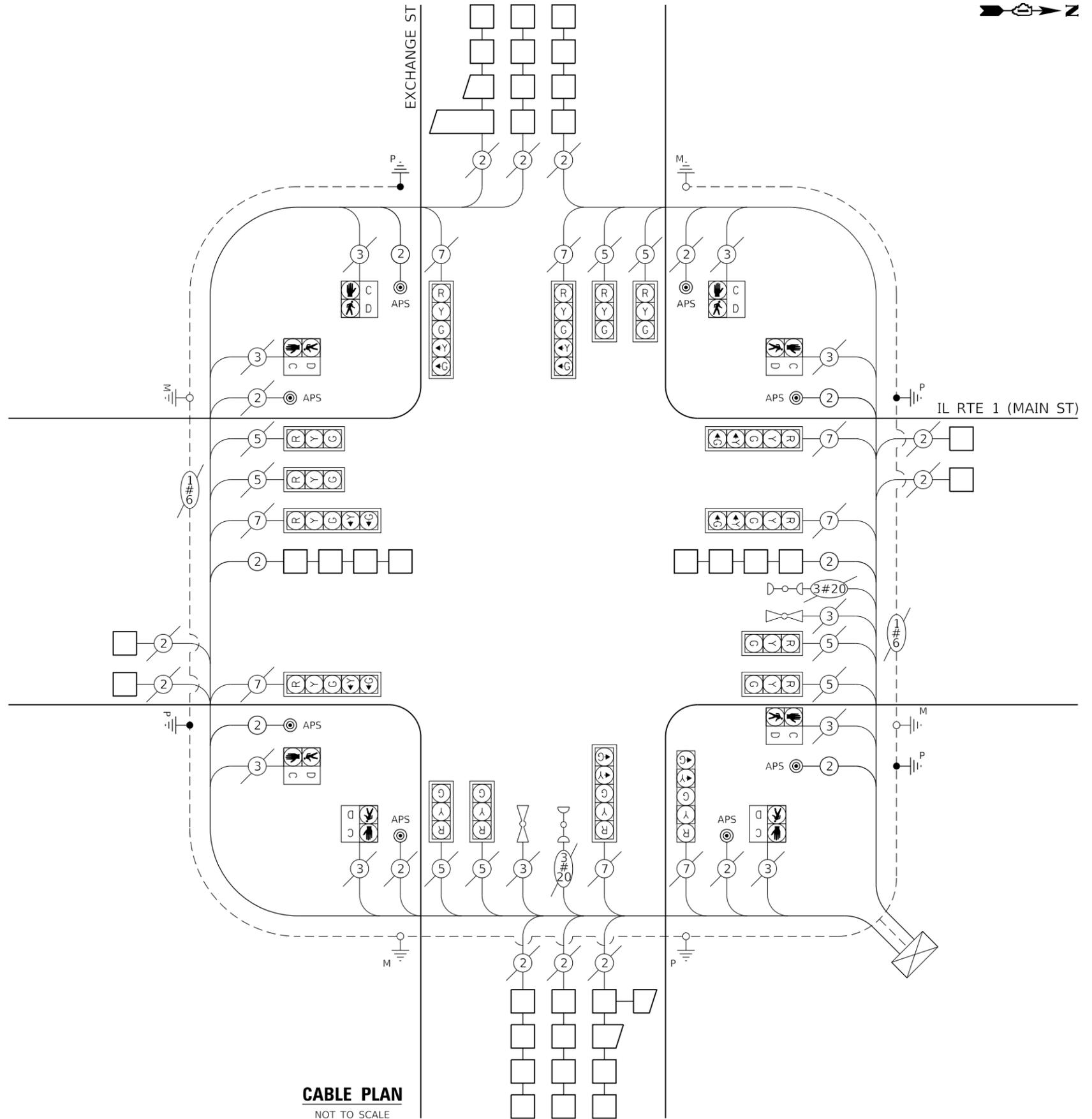
ENERGY COSTS TO:

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 - 5/16/2022
PLOT SCALE = 100,0000' / in.	DRAWN - DW	REVISED -
PLOT DATE = 5/18/2022	CHECKED - JJD	REVISED -
	DATE - 05/05/2022	REVISED -



CABLE PLAN
NOT TO SCALE

ADDED ENTIRE SHEET 5/31/2022 **TS 7500**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESSIBLE PEDESTRIAN SIGNAL INSTALLATION PLAN
IL RTE 1 (MAIN ST) AT W EXCHANGE ST

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	2021-036-R5	WILL	36	15A
CONTRACT NO. 62N50				
ILLINOIS FED. AID PROJECT				