

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	1
ILLINOIS			CONTRACT NO. 62T28	
* 54 + 3 = 57 TOTAL SHEETS				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

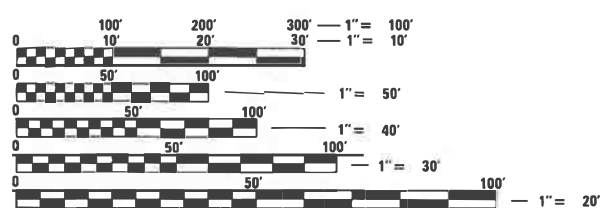
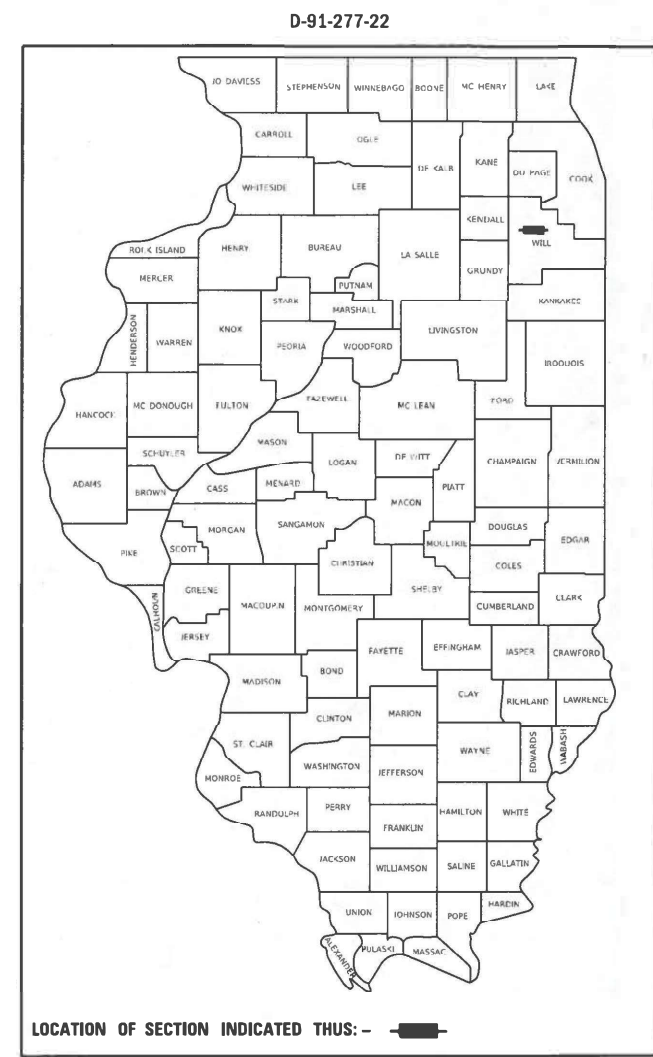
THE IMPROVEMENT IS LOCATED IN THE CITY OF JOLIET

TRAFFIC DATA:
2023 ADT = 13,600
POSTED SPEED LIMIT = 30 MPH

DESIGN DESIGNATION:
OTHER PRINCIPAL ARTERIAL

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 607: US-30 (CENTER ST./WESTERN AVE./CASS ST.)
FROM: US-30 (JEFFERSON ST./CENTER ST.) TO US-6 (COLLINS ST.)
SECTION: FAP 0607 22 RS
PROJECT: STP-KSH9(089)
SMART OVERLAY AND ADA IMPROVEMENTS
WILL COUNTY
C-91-331-22

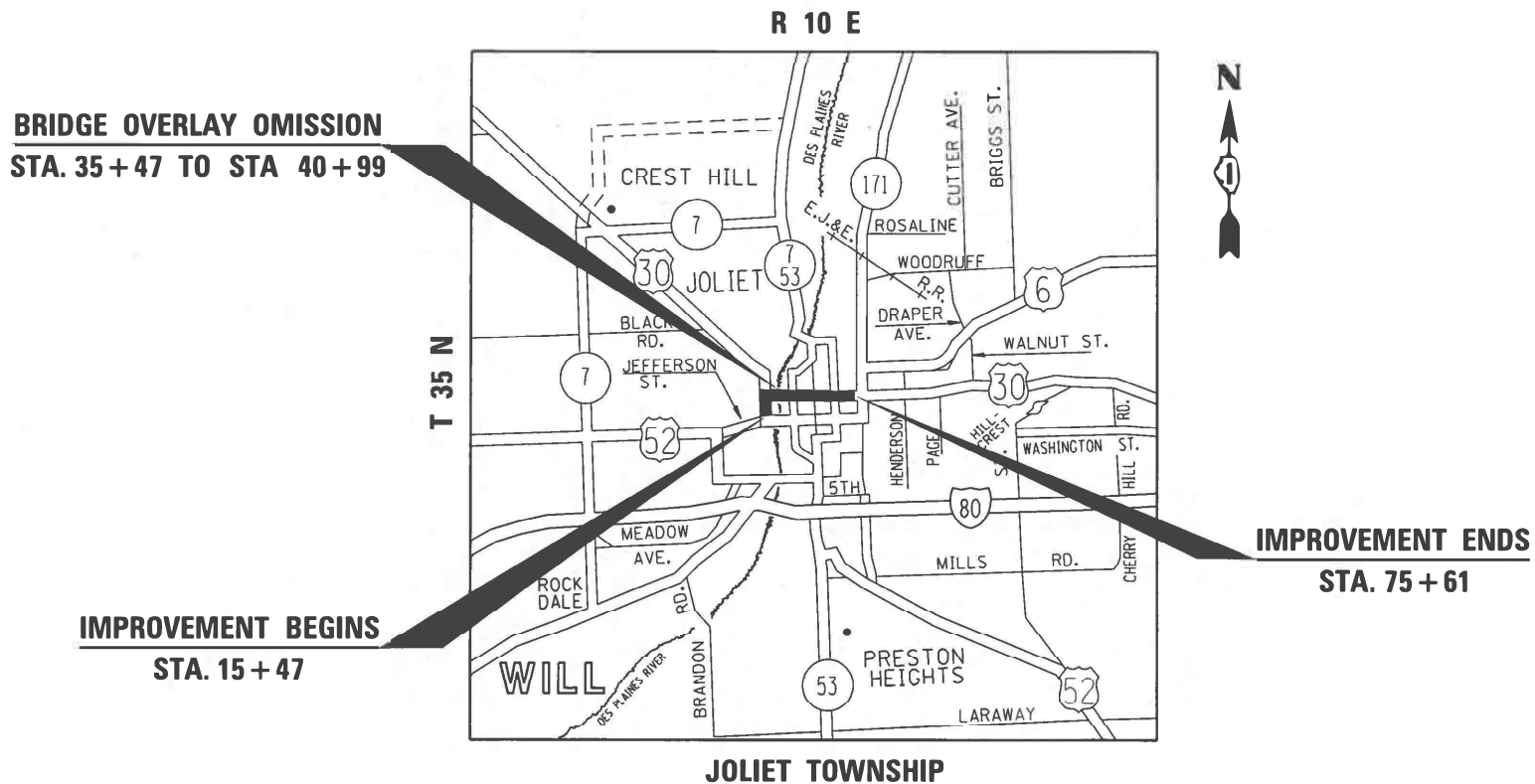


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: VESELIN VELICHKOV

CONTRACT NO. 62T28



GROSS LENGTH = 6014 FT. = 1.14 MILES
NET LENGTH = 5462 FT. = 1.03 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18 2024
[Signature] REGIONAL ENGINEER

May 10, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

LIST OF STATE STANDARDS

GENERAL NOTES


SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES AND COMMITMENTS
3-6	SUMMARY OF QUANTITIES
7	SCHEDULE OF QUANTITIES
8-9	TYPICAL SECTIONS
10-12	ROADWAY AND PAVEMENT MARKING PLANS
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43	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
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46	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
47	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
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49	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
50	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
51	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
52	ARTERIAL ROAD INFORMATION SIGN (TC-22)
53	DRIVEWAY ENTRANCE SIGNING (TC-26)
54	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
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
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- FRAMES AND GRATES ADJUSTMENTS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC FIELD ENGINEER, AT (847) 485-6475 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND OFFSET LEFT OR RIGHT IF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER THE RECORD TO THE ENGINEER.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATEPAY ITEM HAS BEEN PROVIDED.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR THE REHABILITAION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT.

 REVISED SHEET 5/29/2024

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DRAWN -	REVISIED -	607			FAP 0607 22 RS	WILL	54	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIED -			CONTRACT NO. 62T28				
PLOT DATE = 3/22/2024	DATE -	REVISIED -			SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
20200100	EARTH EXCAVATION	CU YD	55	55				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	22	22				
25200110	SODDING, SALT TOLERANT	SO YD	22	22				
25200200	SUPPLEMENTAL WATERING	UNIT	0.3	0.3				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11747	11747				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	16859	16859				
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	40	40				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	490	490				
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9, 5, MIX "D", N70	TON	2579	2579				
42001300	PROTECTIVE COAT	SO YD	754	754				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4109	4109				
42400800	DETECTABLE WARNINGS	SO FT	274	274				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	26104	26104				
44000600	SIDEWALK REMOVAL	SO FT	994	994				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
44003100	MEDIAN REMOVAL	SO FT	411	411				
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	4	4				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	122	122				
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	97	97				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	230	230				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1				
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	9	9				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10				
60404950	FRAMES AND GRATES, TYPE 24	EACH	3	3				
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SO FT	211	211				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	55	55				

REVISOR: [Signature] REVISION: 1 REVISION DATE: 5/30/2024
 * = SPECIALTY ITEMS

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3258	3258		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	397	397		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	217	217		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	215	215		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	157		157	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7		7	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	905		905	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1PAIR	FOOT	240		240	
* 87900200	DRILL EXISTING HANDHOLE	EACH	13		13	
* 88500100	INDUCTIVE LOOP DETECTOR	FOOT	1		1	
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	1427		1427	
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	7		7	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	447		447	
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	501		501	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7		7	
89502376	REBUILD EXISTING HANDHOLE	EACH	12		12	
89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	3		3	
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1		
X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	228	228		
X0327989	REMOVE EXISTING BRICK PAVERS	SO FT	2893	2893		
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	12		12	
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	110	110		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	882	882		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	212	212		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	300			300
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	82	82		

△ REVISÉD SHEET 5/30/2024
* = SPECIALTY ITEMS

FILE NAME =	USER NAME = nicholasbabul	DESIGNED -	REVISED -
pw\N\dot-pw\benfrey.com\PW\DOT\Documents\1007 - Office\District\Projects\DI27722\CADD\Design\DI27722-sh-300		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 (CENTER STREET /WESTERN AVE /CASS ST)
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	5
CONTRACT NO. 62T28			REV. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE				CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE				
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6																
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	56		56															
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	56		56															
X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1		1															
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	20			20														
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	512.4	512.4																
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	7	7																
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1																

REVISED SHEET 5/30/2024
* = SPECIALTY ITEMS

FILE NAME = USER NAME = nicholasbabul DESIGNED - DRAWN - CHECKED - DATE - PLOT SCALE = 100.0000' / 1in PLOT DATE = 3/22/2024	STATE OF ILLINOIS		U.S. ROUTE 30 (CENTER STREET /WESTERN AVE /CASS ST)		F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
	DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES		607 FAP 0607 22 RS WILL 54 6
					CONTRACT NO. 62T28
			SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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ID	MUNICIPALITY	LOCATION	CORNER	20200100 EARTH EXCAVATION CU YD	21101615 TOPSOIL FURNISH AND PLACE, 4" SQ YD	25200110 SODDING, SALT TOLERANT SQ YD	25200200 SUPPLEMENTAL WATERING UNIT	42001300 PROTECTIVE COAT SQ YD	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT	42400800 DETECTABLE WARNINGS SQ FT	44003100 MEDIAN REMOVAL SQ FT	44000600 SIDEWALK REMOVAL SQ FT	60266600 VALVE BOXES TO BE ADJUSTED EACH	60620000 CONCRETE MEDIAN, TYPE SB-6.24 SQ FT	89502376 REBUILD EXISTING HANDHOLE EACH	X0327611 REMOVE AND REINSTALL BRICK PAVES SQ FT	X0327989 REMOVE EXISTING BRICK PAVES SQ FT	X4400503 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET FOOT	
1	Joliet	US 30 (Center St.) and US 30 (Western Ave.)	NW	3	0	0	0.0	33	223	24		23	1		1	5	194	32	
2	Joliet	US 30 (Center St.) and US 30 (Western Ave.)	NE	3	1	1	0.02	39	265	15		93			1	3	173	37	
3	Joliet	US 30 (Center St.) and US 30 (Western Ave.)	SW	3	9	9	0.1	40	296	34		288			1	0	0	28	
4	Joliet	US 30 (Center St.) and US 30 (Western Ave.)	SE	6	2	2	0.03	67	501	10	▲	501			1	0	0	49	
5	Joliet	US 30 (Center St.) and US 30 (Western Ave.)	MED	5	0	0	0.0	24	200	33	▲	411		211	1	0	0	0	
6	Joliet	US 30 (Cass St.) and Joliet St.	SW	3	0	0	0.0	33	225	18		50			0	13	175	32	
7	Joliet	US 30 (Cass St.) and Ottawa St.	SW	5	0	0	0.0	61	460	20					2	21	460	40	
8	Joliet	US 30 (Cass St.) and Ottawa St.	SE	3	0	0	0.0	36	258	20				▲	1	24	258	29	
9	Joliet	US 30 (Cass St.) and Chicago St.	NW	5	0	0	0.0	67	497	20					0	56	497	48	
10	Joliet	US 30 (Cass St.) and Chicago St.	NE	3	0	0	0.0	33	230	20					1	39	230	30	
11	Joliet	US 30 (Cass St.) and Chicago St.	SW	5	0	0	0.0	56	408	20					1	19	408	42	
12	Joliet	US 30 (Cass St.) and Chicago St.	SE	4	0	0	0.0	52	371	20			1		2	33	371	41	
13	Joliet	US 30 (Cass St.) and Michigan St.	NW	1	1	1	0.02	14	80	10		31			0	0	49	19	
14	Joliet	US 30 (Cass St.) and Michigan St.	NE	1	0	0	0.0	16	95	10		8			0	15	78	20	
GRAND TOTAL =				50	13	13	0.2	571	4109	274	▲	411	994	2	211	12	228	2893	447

▲ REVISED SHEET 5/29/2024

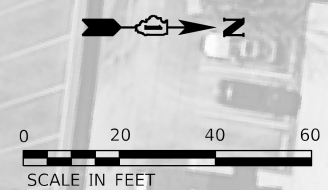
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/26/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
 U.S. ROUTE 30 (CENTER STREET /WESTERN AVENUE /CASS STREET)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	7
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				



1. 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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
 - 8 EACH PEDESTRIAN PUSH-BUTTON
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
10. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.
11. WORK SHALL MEET THE REQUIREMENTS OF HTE SPECIFICATIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCH OPERATIONS).
12. ALL PUSH BUTTONS SHALL BE APS.

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1 REVISED ENTIRE SHEET 5/30/2024

TS 22532
ECON 121



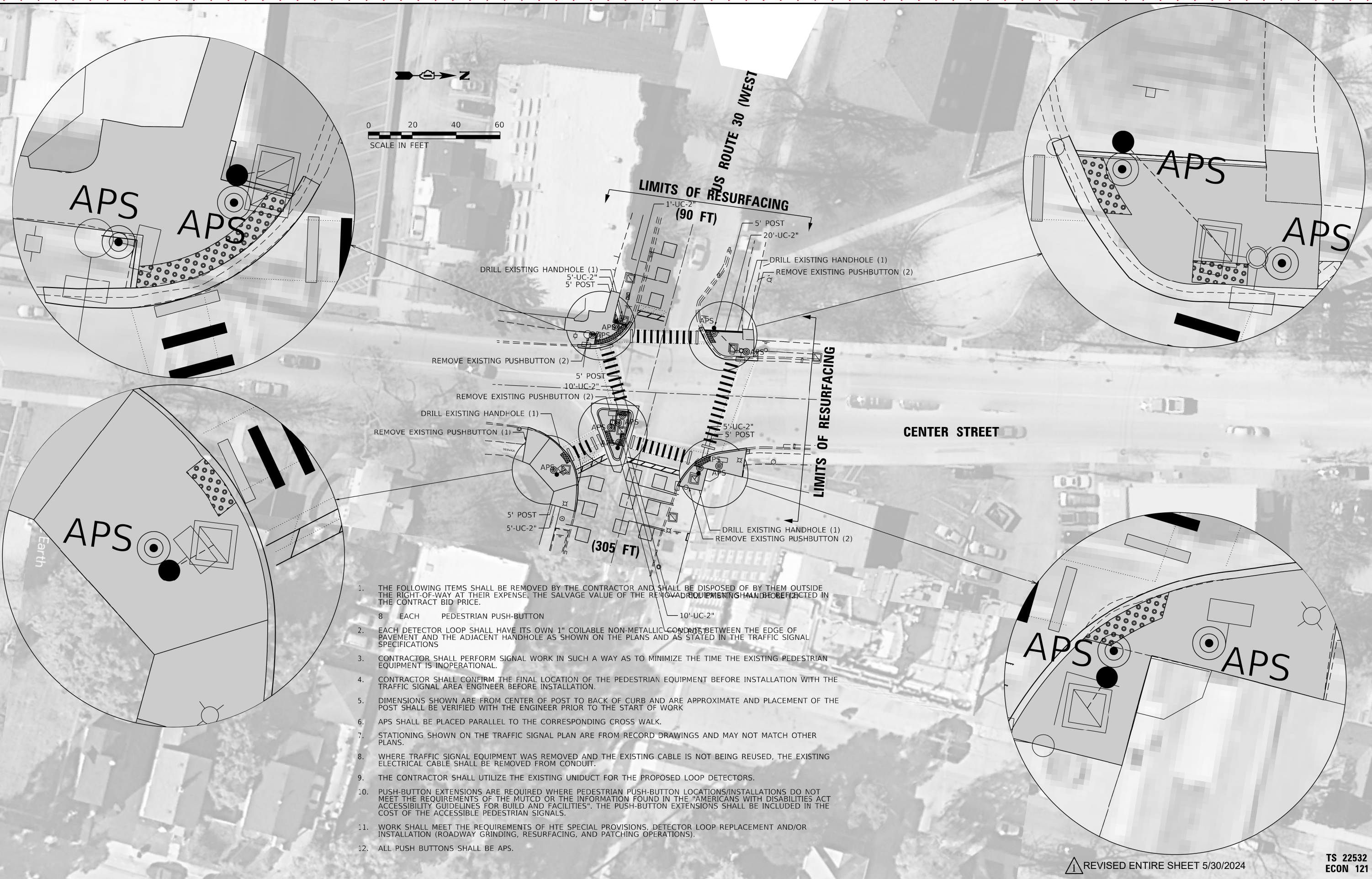
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PLOT SCALE = 40.0000' / 1"	CHECKED - BKS	REVISED -
PLOT DATE = 5/24/2024	DATE - \$DATE-SUBMIT\$	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (WESTERN AVE.) & U.S. RTE. 30 (CENTER ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	21
			CONTRACT NO. 62T28	
		ILLINOIS FED. AID PROJECT		



1. THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
 - 8 EACH PEDESTRIAN PUSH-BUTTON
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
10. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.
11. WORK SHALL MEET THE REQUIREMENTS OF HTE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
12. ALL PUSH BUTTONS SHALL BE APS.

USER: wlorion
 MODEL: Definit
 FILE NAME: PLOT_134_001_DUZ_IDOT_Traffic_Design_PMDDesignWork_Ordor_11CDDDCADD_Sheets0272862728-shc-TS-4530WesternAveCenterStSignalplan2.dgn



USER NAME = wlorion	DESIGNED - WBL	REVISED - 5/28/2024
	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / ft.	CHECKED - BKS	REVISED -
PLOT DATE = 5/24/2024	DATE - \$DATE-SUBMIT\$	REVISED -

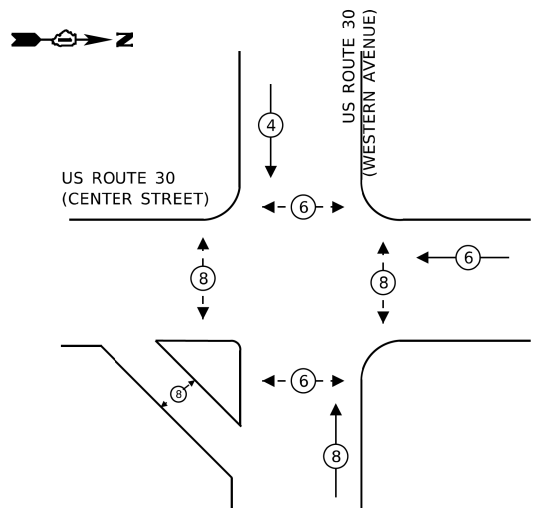
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APS AND DETECTOR LOOP INSTALLATION PLAN	
U.S. RTE. 30 (WESTERN AVE.) & U.S. RTE. 30 (CENTER ST.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	22
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				

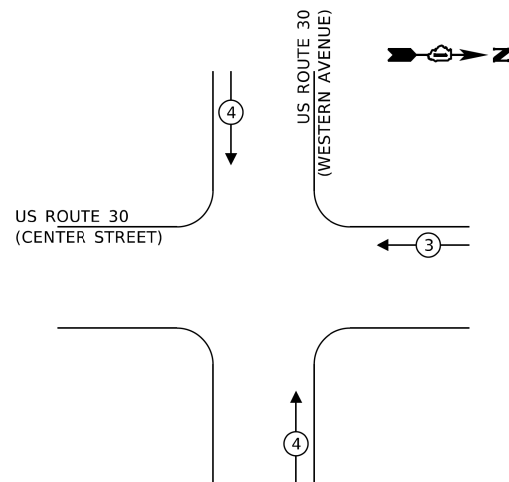
REVISED ENTIRE SHEET 5/30/2024
 TS 22532
 ECON 121

EXISTING CONTROLLER SEQUENCE



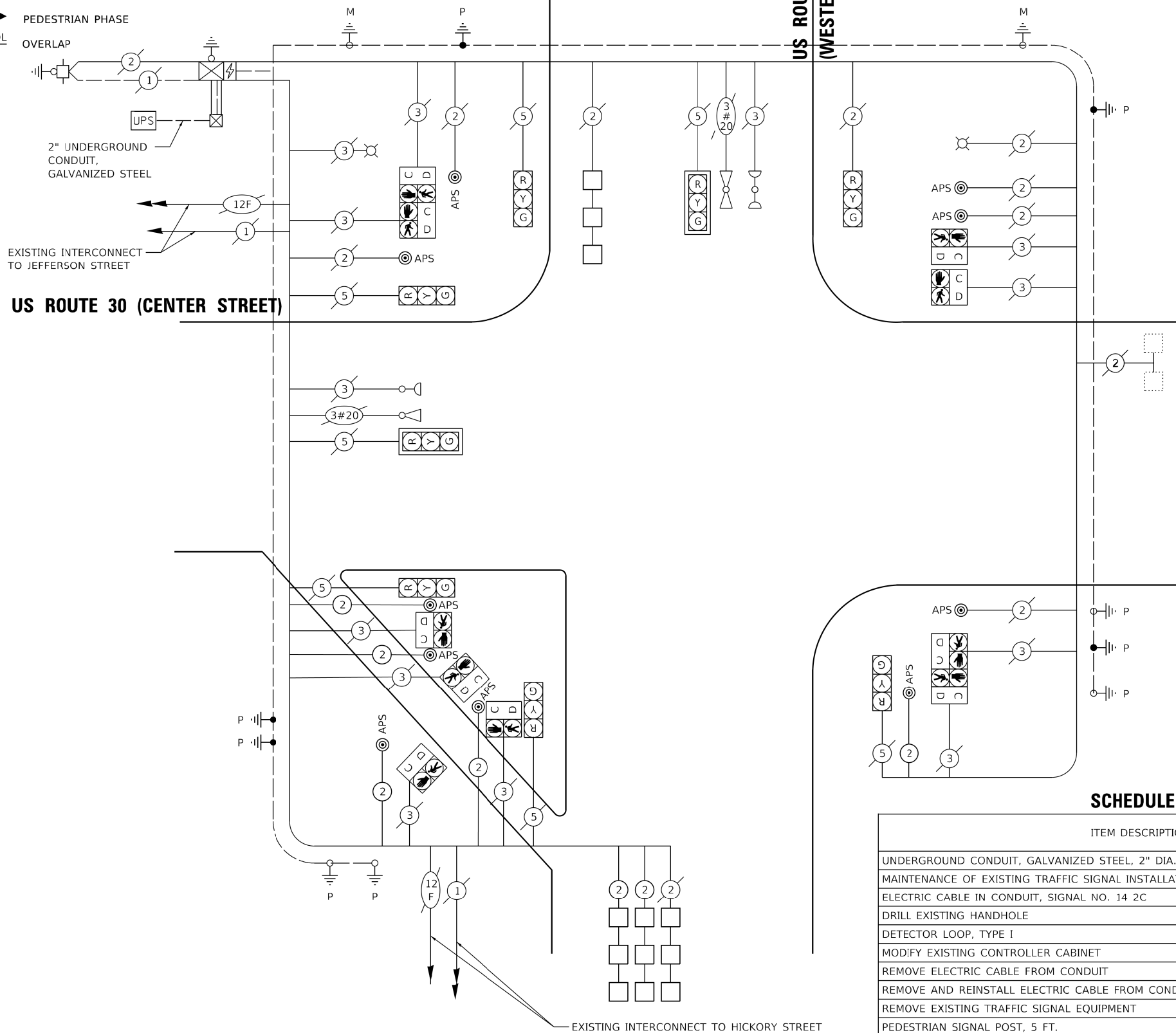
EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	11	50	44.0
(YELLOW)	8	20	5	8.0
(GREEN)	8	12	45	43.2
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	285	50	285.0
TOTAL =				705.2

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: RICK OSTER
 PHONE: (779)-231-0625
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	47
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	256
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE 1	FOOT	395
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	95
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	322
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
INDUCTIVE LOOP DETECTOR	EACH	2
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	240

CABLE PLAN
(NOT TO SCALE)

REVISD ENTIRE SHEET 5/30/2024

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (WESTERN AVE.) & U.S. RTE. 30 (CENTER ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

TS 22532
ECON 121

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	22A

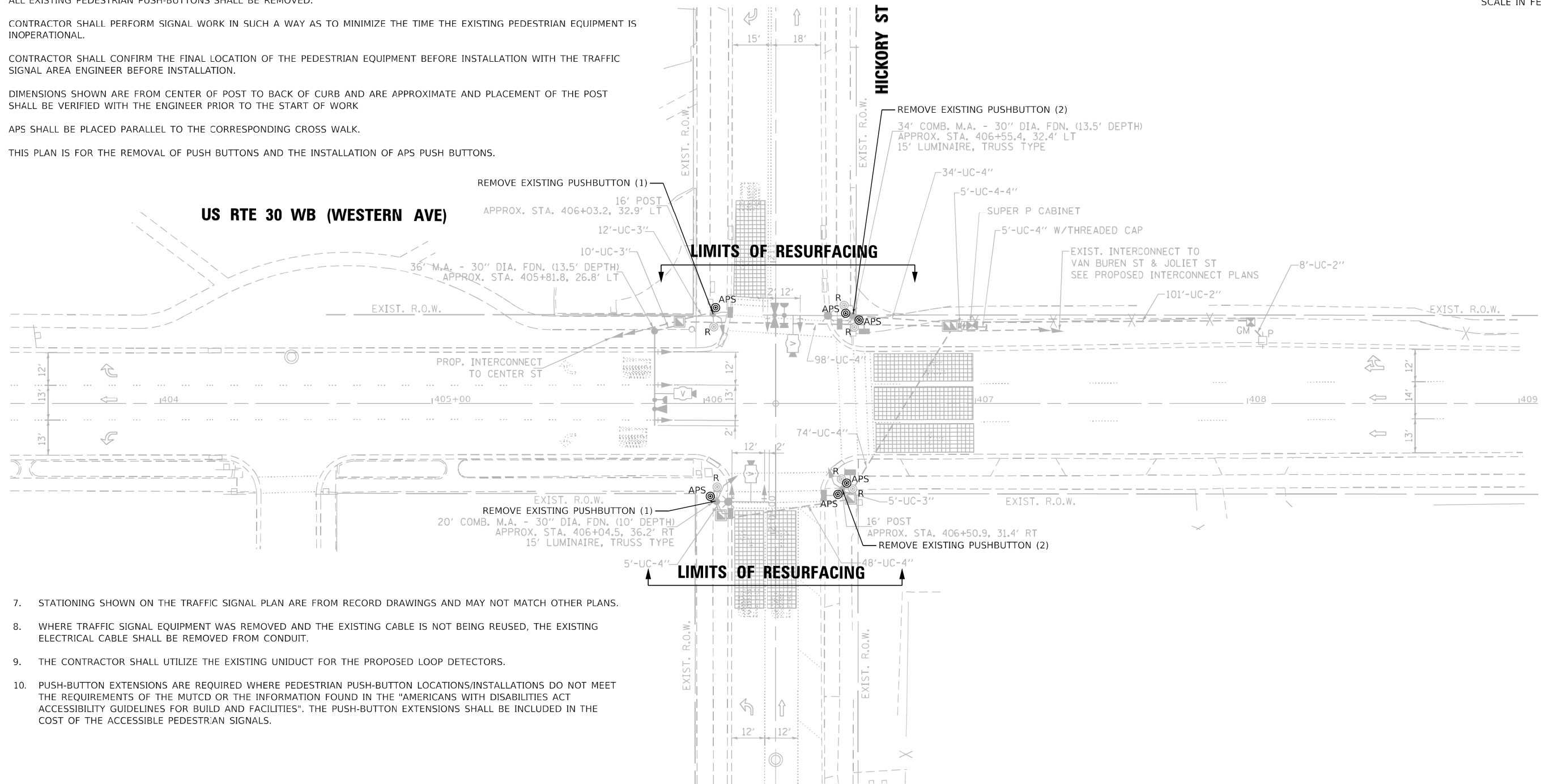
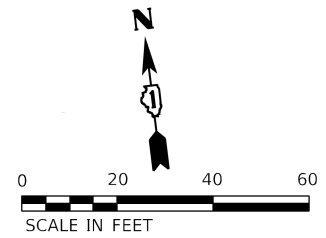
CONTRACT NO. 62T28
 ILLINOIS FED. AID PROJECT

USER: wlorion MODEL: Definit FILE NAME: P134_001.DWG IDOT Traffic Design PMSDesign\Work Center\11CDDDCADD_Sheets\07786728.dwg TS-4530\WesternAveCenterSt-cableplan.dwg



USER NAME = wlorion	DESIGNED - WBL	REVISED - 5/28/2024
PLOT SCALE = 40.0000' / ft.	DRAWN - MMC	REVISED -
PLOT DATE = 5/24/2024	CHECKED - BKS	REVISED -
	DATE - \$DATE-SUBMIT\$	REVISED -

1. 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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 6 EACH PEDESTRIAN PUSH-BUTTON
2. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. THIS PLAN IS FOR THE REMOVAL OF PUSH BUTTONS AND THE INSTALLATION OF APS PUSH BUTTONS.



7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
10. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

TS 22533
ECON 121

REVISOR'S MARK: REVISED ENTIRE SHEET 5/30/2024

USER: wilton
 MODEL: Design
 FILE NAME: PLOT_134_001.DWG IDOT Traffic Design PMDesign\Work Order_11CDDDCADD_Sheets\62728\62728.dwg TS-4530\WesternAve\HickorySt.sgnplan.dgn



USER NAME = wilton	DESIGNED - WBL	REVISED - 5/28/2024
	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / 1'	CHECKED - BKS	REVISED -
PLOT DATE = 5/24/2024	DATE - \$DATE-SUBMIT\$	REVISED -

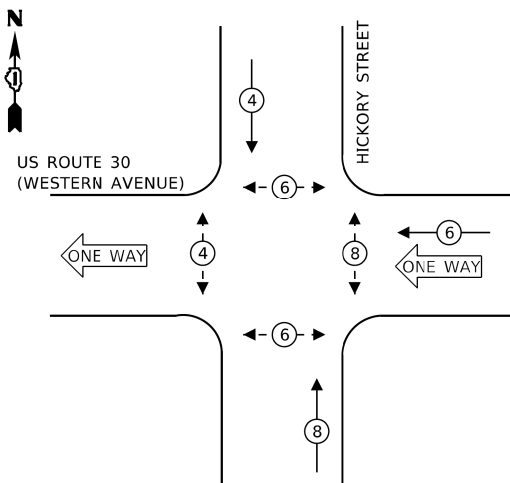
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (WESTERN AVE.) & HICKORY ST.

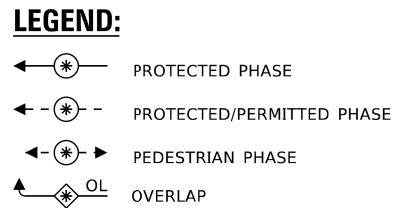
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T28	

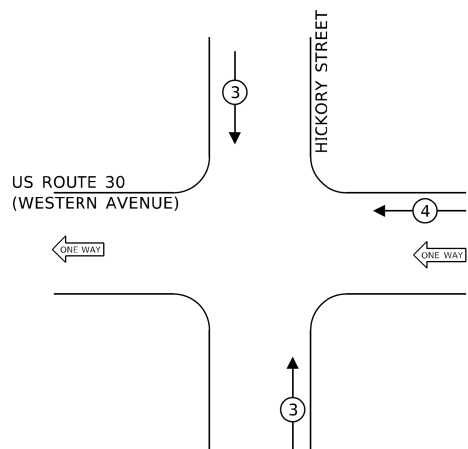
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	3	120	50	180.0
LUMINAIRE	1	285	50	142.5
TOTAL =				836.5

ENERGY COSTS TO:

CITY OF JOLIET
150 W JEFFERSON STREET
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: RICK OSTER
PHONE: (779)-231-0625
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

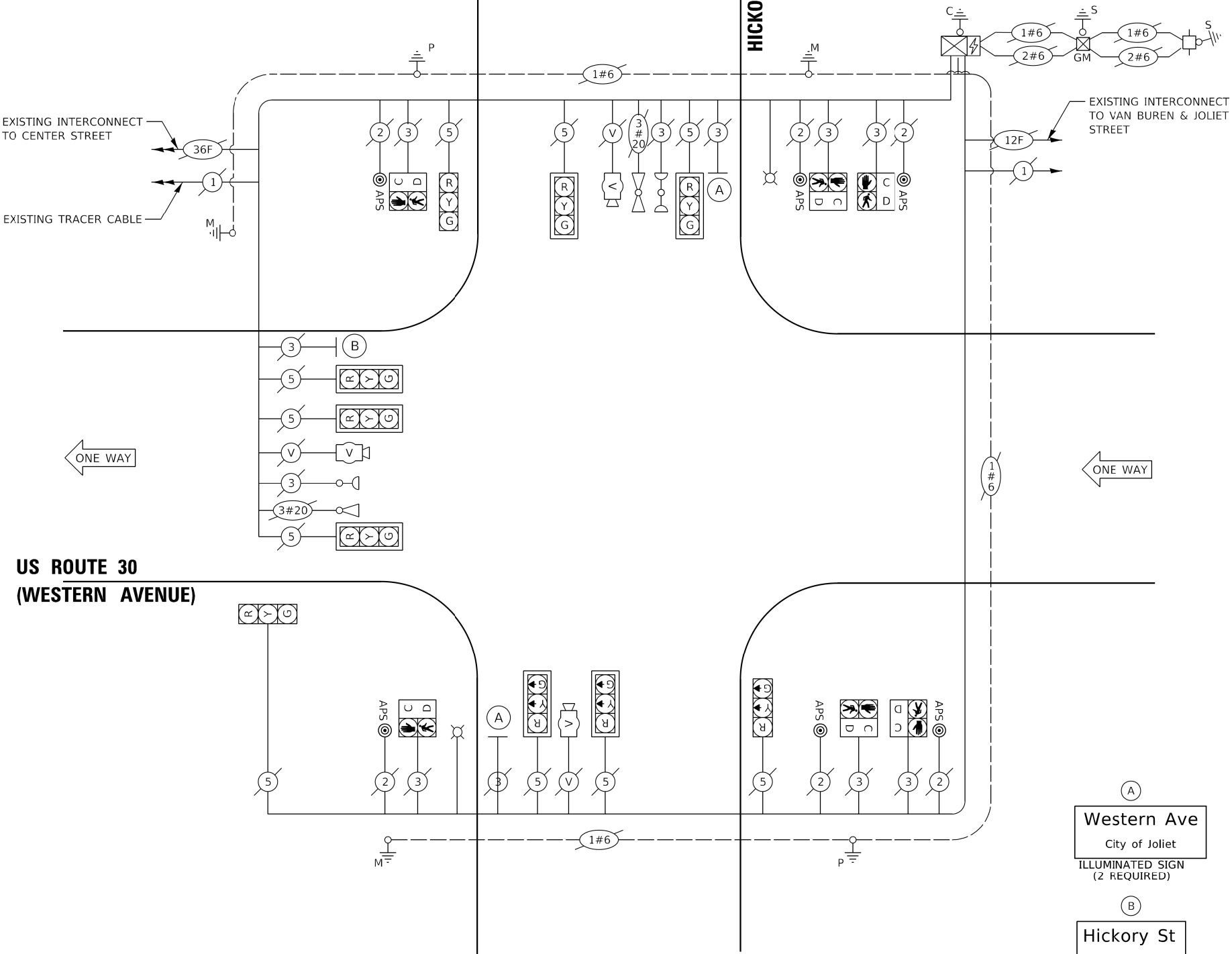
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6

EXISTING INTERCONNECT TO CENTER STREET
EXISTING TRACER CABLE

US ROUTE 30 (WESTERN AVENUE)

HICKORY STREET



CABLE PLAN
(NOT TO SCALE)

Western Ave
City of Joliet
ILLUMINATED SIGN
(2 REQUIRED)

Hickory St
City of Joliet
ILLUMINATED SIGN
(1 REQUIRED)

REVISION: REVISED ENTIRE SHEET 5/30/2024

TS 22533
ECON 121

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (WESTERN AVE.) & HICKORY ST.



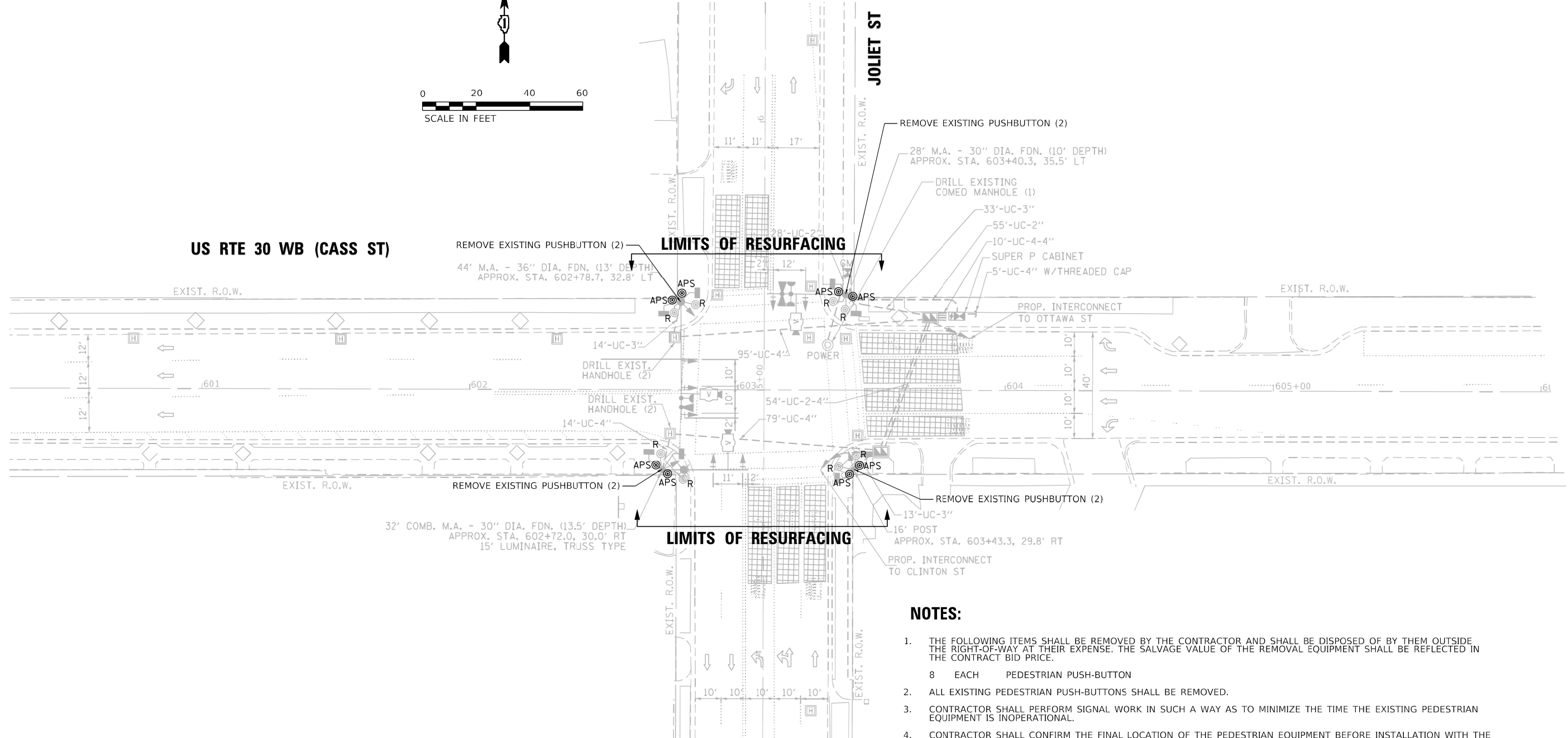
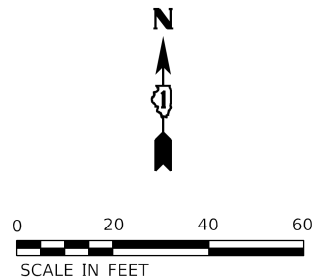
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PLOT SCALE = 40.0000' / 1"	DRAWN - MMC	REVISED -
PLOT DATE = 5/24/2024	CHECKED - BKS	REVISED -
	DATE - \$DATE-SUBMIT\$	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	24

CONTRACT NO. 62T28
ILLINOIS FED. AID PROJECT

USER: wlorion
 MODEL: Design
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NOTES:

1. 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 REMOVAL 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 SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.
6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

USER: wilton MODEL: Design FILE NAME: P134_001_D12_IDOT_Traffic_Design_PlanDesignWork_Ordor_11CDDUCADD_Sheets022862728.dwg 11CDDUCADD_Sheets022862728.dwg



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PLOT SCALE = 40.0000' / 1"	CHECKED - BKS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & JOLIET ST.**

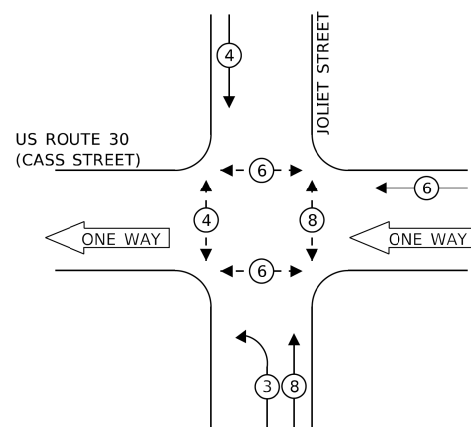
SCALE: SHEET OF SHEETS STA. TO STA.

REVISED ENTIRE SHEET 5/30/2024

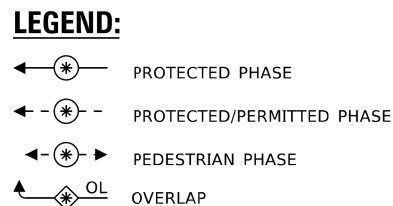
**TS 22534
ECON 121**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	25
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				

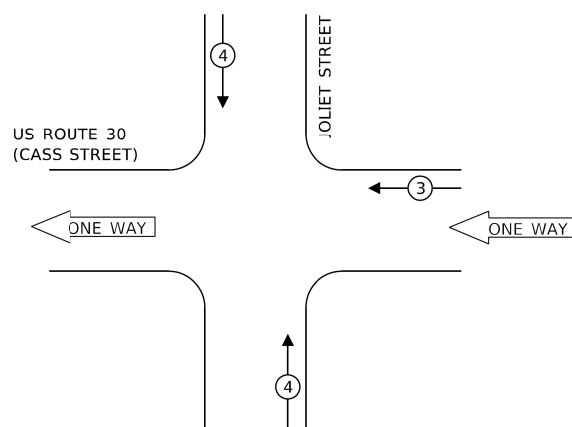
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	10	10	10	10.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	3	120	50	180.0
LUMINAIRE	1	285	50	142.5
TOTAL =				922.2

ENERGY COSTS TO:

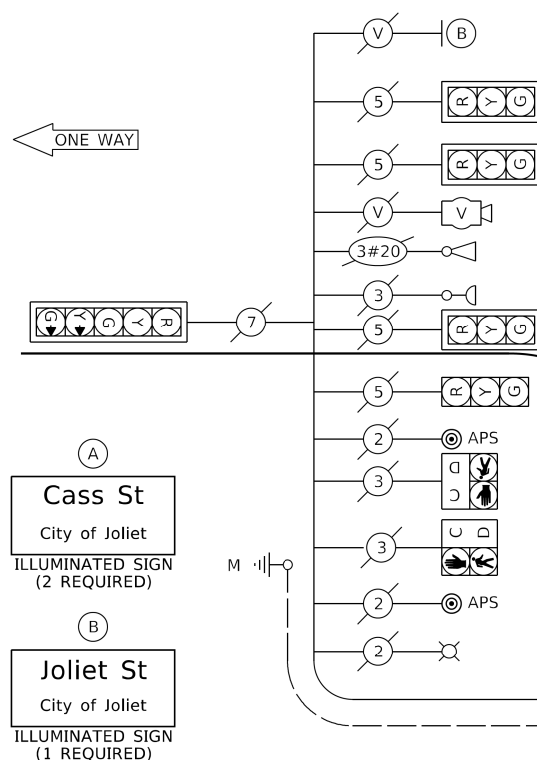
CITY OF JOLIET
150 W. JEFFERSON STREET
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: RICK OSTER
PHONE: (779)-231-0625
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

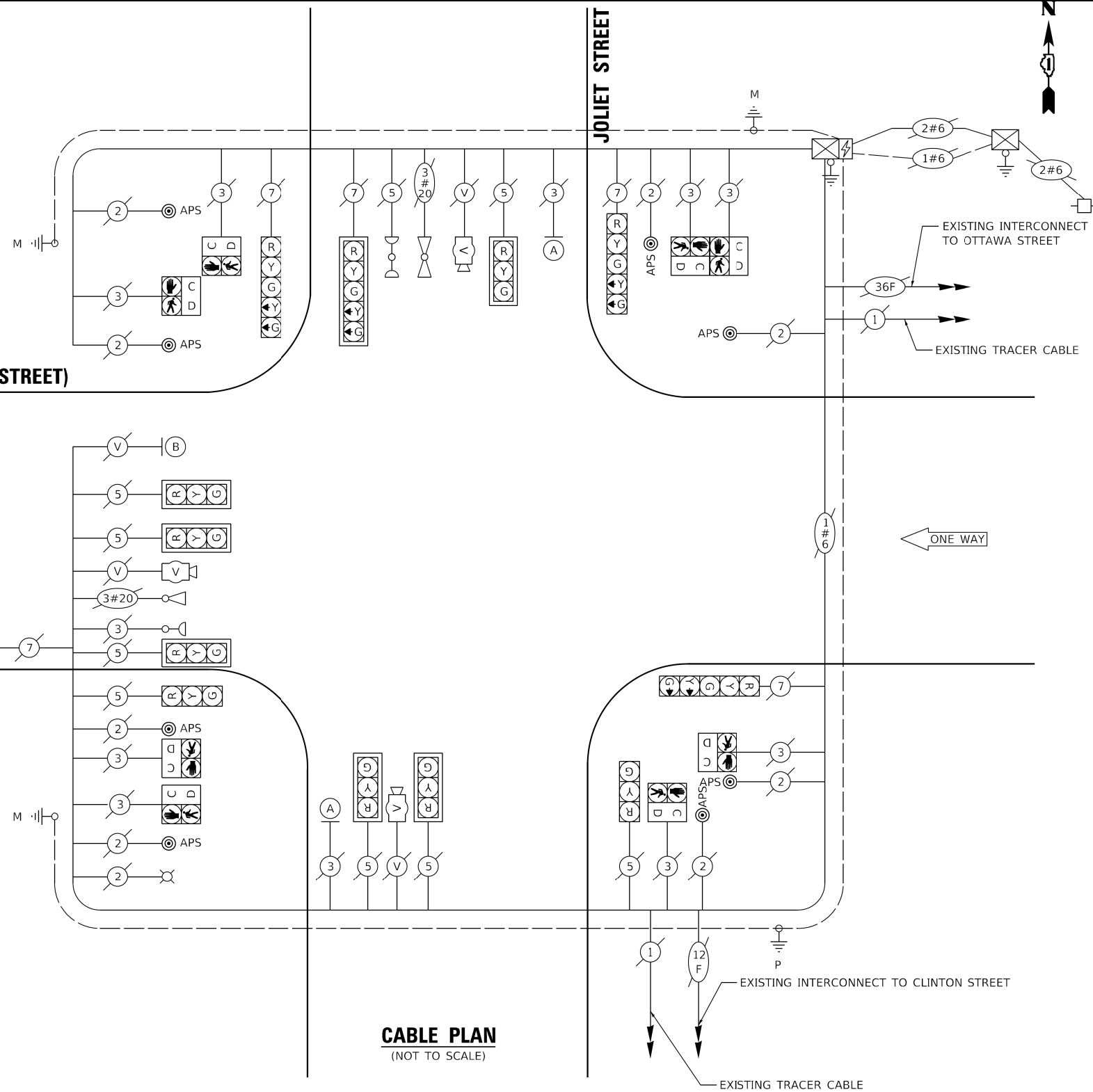
US 30 WB (CASS STREET)



(A)
Cass St
City of Joliet
ILLUMINATED SIGN (2 REQUIRED)

(B)
Joliet St
City of Joliet
ILLUMINATED SIGN (1 REQUIRED)

CABLE PLAN
(NOT TO SCALE)



USER: wlorion
 MODEL: Design
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USER NAME = wlorion	DESIGNED - WBL	REVISED - 5/28/2024
PLOT SCALE = 40.0000' / ft.	DRAWN - MMC	REVISED -
PLOT DATE = 5/24/2024	CHECKED - BKS	REVISED -
	DATE - 05/24/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & JOLIET ST.

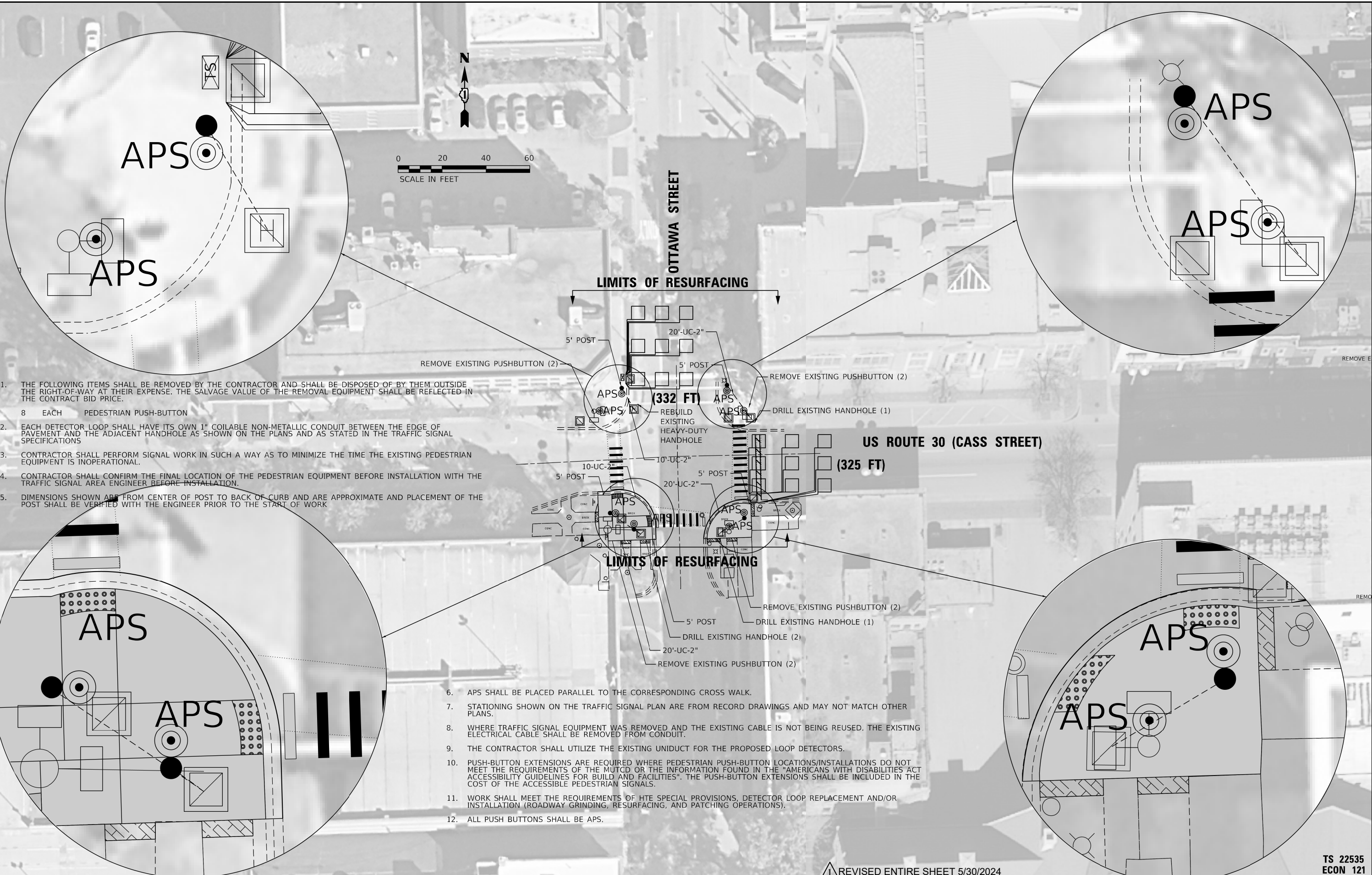
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	26

CONTRACT NO. 62T28
ILLINOIS FED. AID PROJECT

REVISOR'S MARK: **REVISOR'S MARK** REVISED ENTIRE SHEET 5/30/2024

TS 22528
ECON 121



1. 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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
8 EACH PEDESTRIAN PUSH-BUTTON
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK

6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
10. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.
11. WORK SHALL MEET THE REQUIREMENTS OF HTE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
12. ALL PUSH BUTTONS SHALL BE APS.

1 REVISED ENTIRE SHEET 5/30/2024

TS 22535
ECON 121

USER: wjrdon
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 FILE NAME: PLOT_134_001_DUZ_IDOT_Traffic_Design_PlanDesignWork_Ordre_11CDDDCADD_Sheets0272862728-shc-15-153UCSS5OttawaSt-signalplan.dgn



DESIGN DRAWER = wjrdon/vss	DESIGNED - WBL	REVISED - 5/28/2024
PEN TABLE = SPENBLSS	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - BKS	REVISED -
PLOT DATE = 5/24/2024 2:51:18 PM	DATE - \$DATE-SUBMITS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

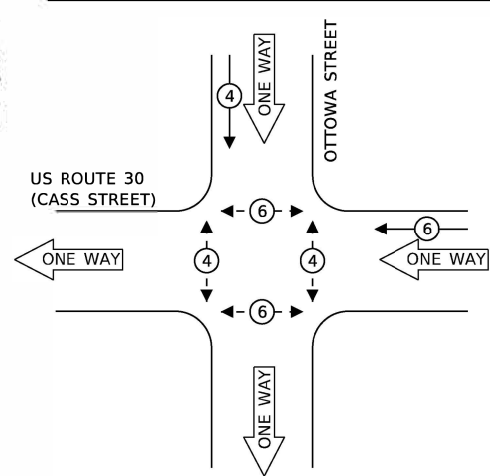
APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & OTTAWA ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	27
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				

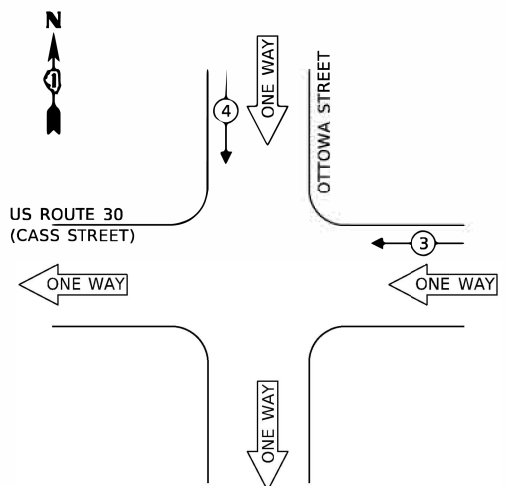


EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

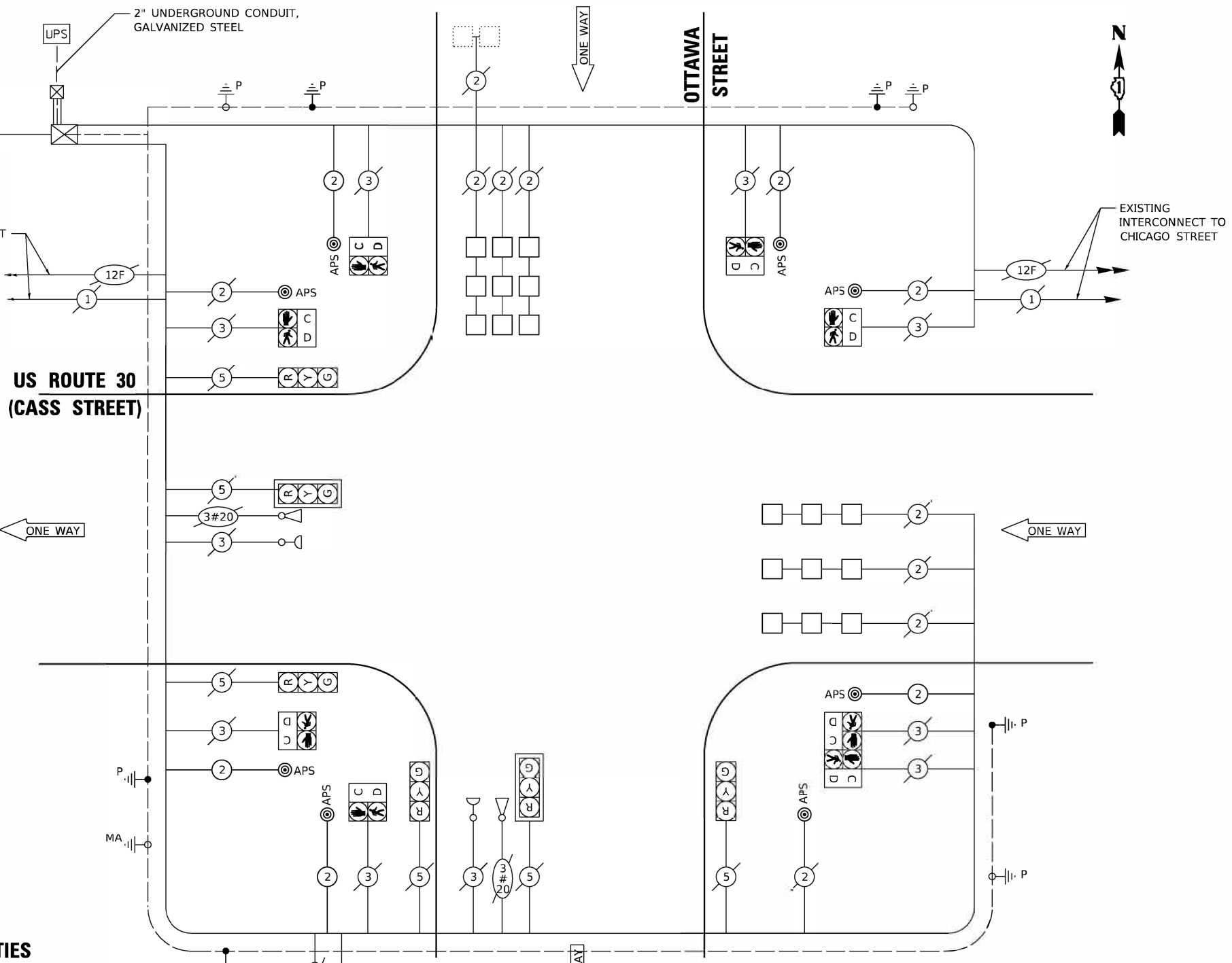
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	6	11	50	33.0
(YELLOW)	6	20	5	6.0
(GREEN)	6	12	45	32.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	285	50	-
TOTAL =				356.4

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: RICK OSTER
 PHONE: (779)-231-0625
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	80
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	397
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	657
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	352
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	178.5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1



CABLE PLAN
(NOT TO SCALE)



DESIGNED - WBL	REVISED - 5/28/2024
DRAWN - MMC	REVISED -
CHECKED - BKS	REVISED -
DATE - 05/24/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

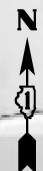
APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & OTTAWA ST.

F.A.P. RTE. 607	SECTION FAP 0607 22 RS	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 28
CONTRACT NO. 62T28				

REVISD ENTIRE SHEET 5/30/2024

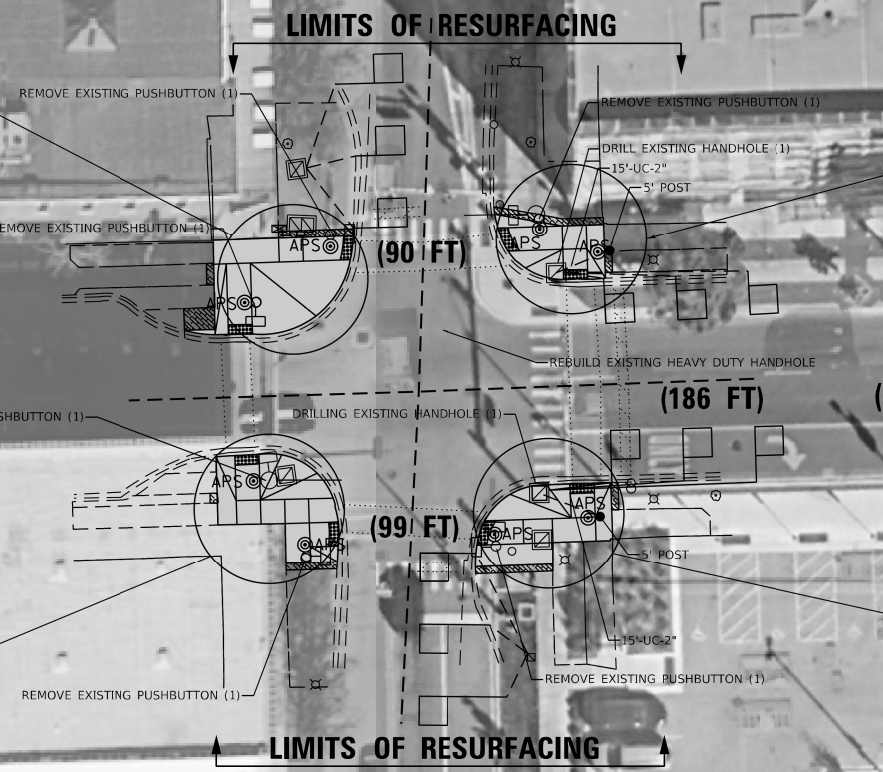
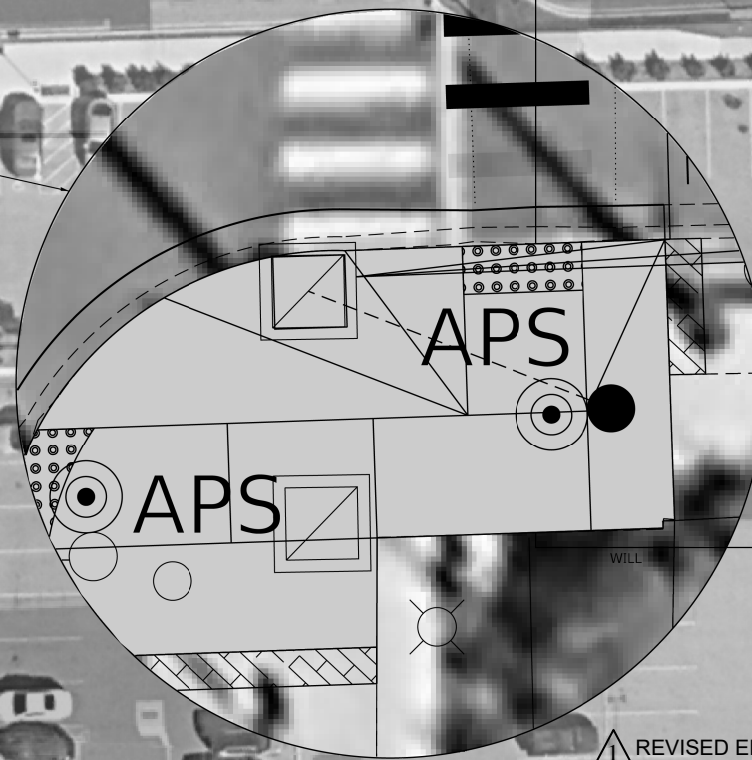
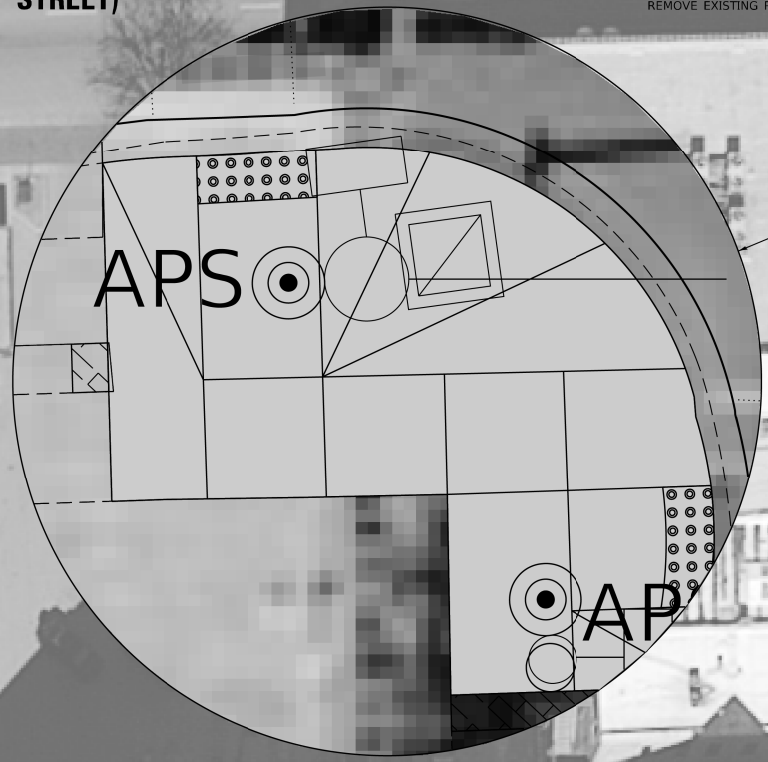
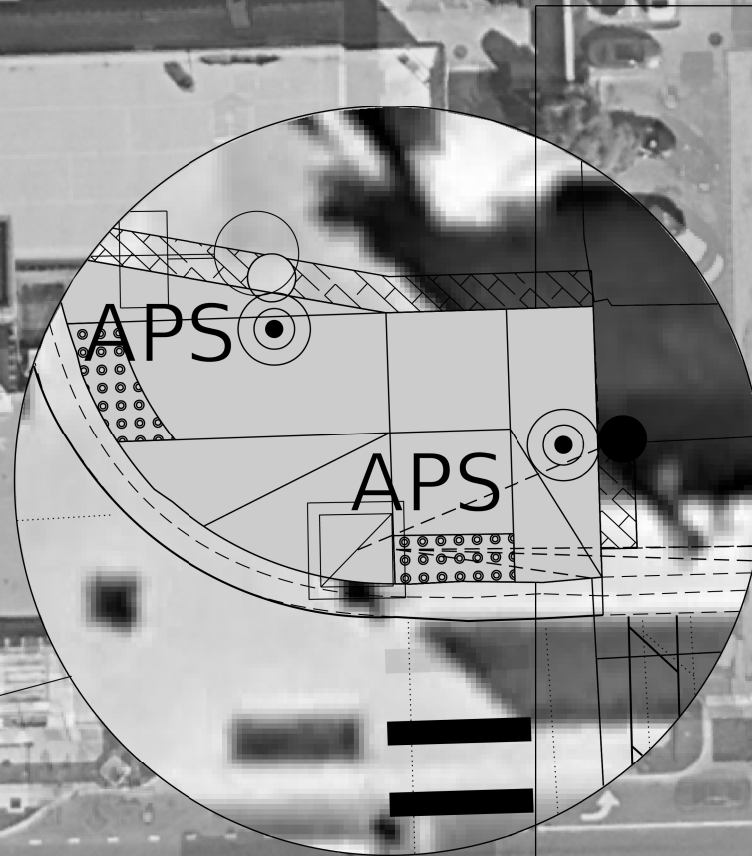
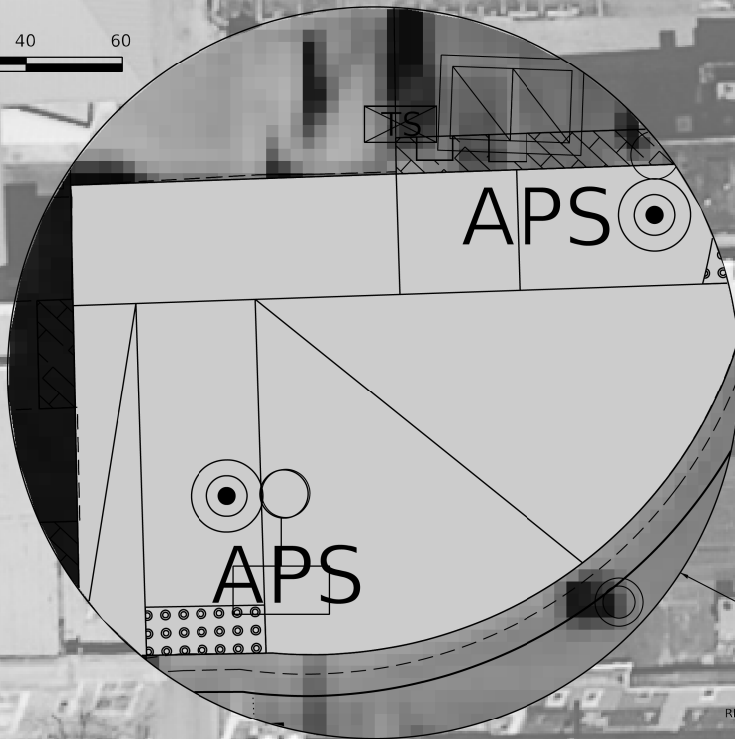
TS 22535
ECON 121

USER: wdoton MODEL: DgnEdit FILE: Number: P134_001.DWG IDOT Traffic Design PM: Design/Work Code: TICDDDCADD Sheet: 27 of 27 Date: 5/28/2024 2:52:56 PM



0 20 40 60
SCALE IN FEET

1. 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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 6 EACH PEDESTRIAN PUSH-BUTTON
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
3. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
10. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.
11. WORK SHALL MEET THE REQUIREMENTS OF HTE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
12. ALL PUSH BUTTONS SHALL BE APS.



ROUTE 30 (CASS STREET)

US ROUTE 30
(CASS STREET)

CHICAGO STREET

USER: SUSERS
MODEL: SPODELNAME\$
FILE NAME: SFILES



USER NAME = SUSERS	DESIGNED - WBL	REVISED - 5/28/2024
	DRAWN - MMC	REVISED -
PLOT SCALE = \$SCALES	CHECKED - BKS	REVISED -
PLOT DATE = \$DATES	DATE - 05/24/2024	REVISED -

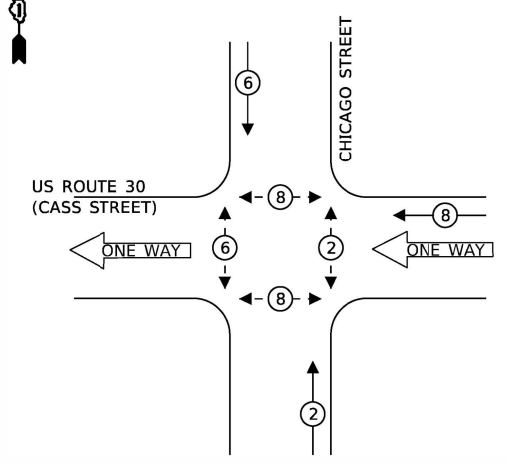
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & CHICAGO ST.

SCALE: SHEET OF SHEETS STA. TO STA.

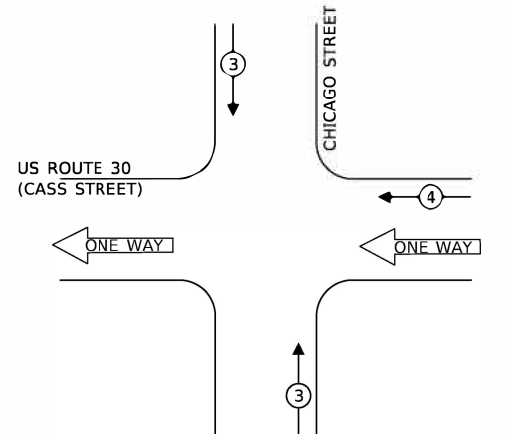
REVISED ENTIRE SHEET 5/30/2024		TS 22536 ECON 121	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
607	FAP 0607 22 RS	WILL	54 29
			CONTRACT NO. 62T28
		ILLINOIS FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



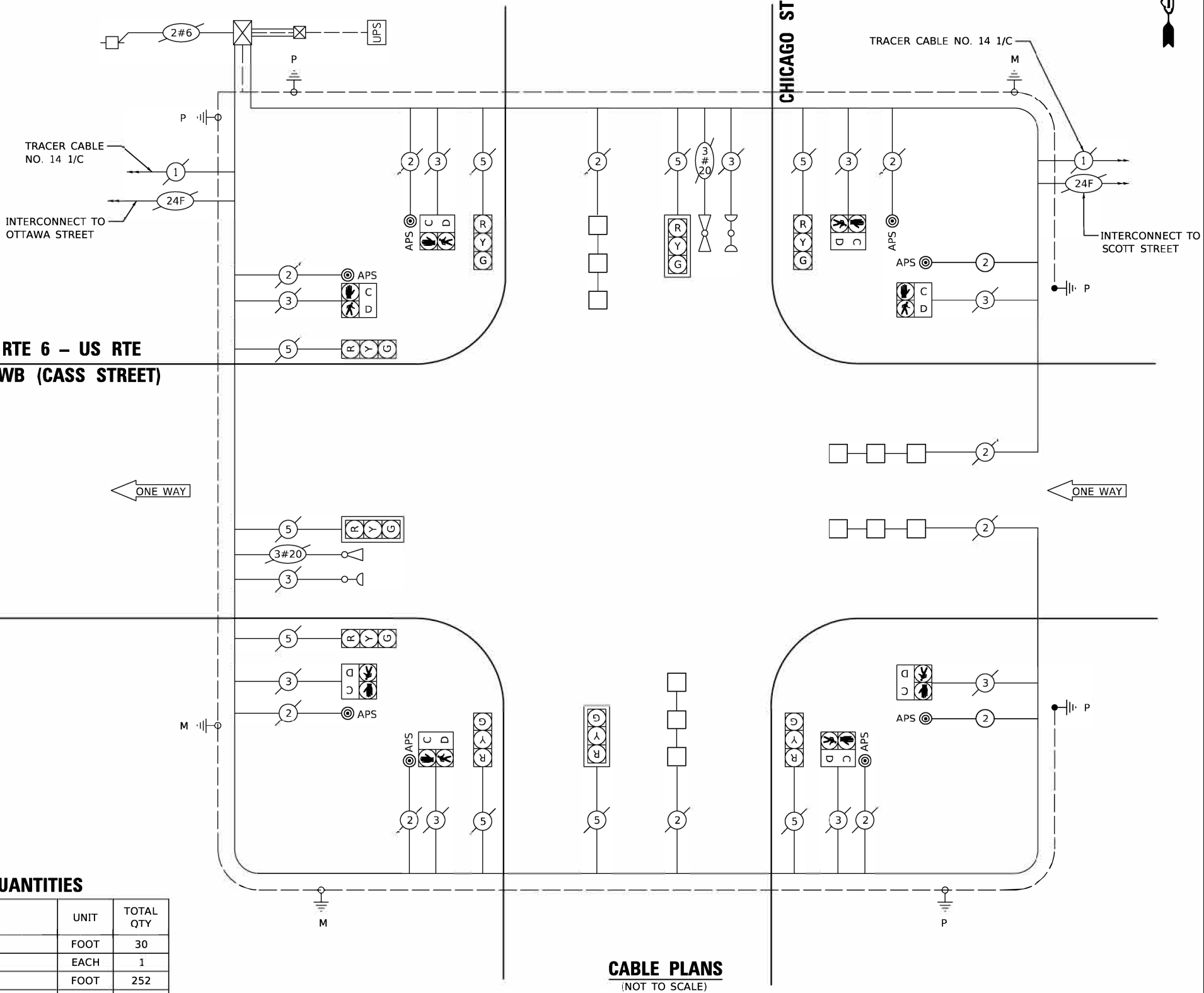
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	285	50	-
TOTAL =				392.1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	30
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	252
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	375
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE	EACH	1

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: RICK OSTER
 PHONE: (779)-231-0625
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



CABLE PLANS
(NOT TO SCALE)



USER NAME = wlorton	DESIGNED - WBL	REVISED - 5/28/2024
PLOT SCALE = 40.0000" / in.	DRAWN - MMC	REVISED -
PLOT DATE = 5/24/2024	CHECKED - BKS	REVISED -
	DATE - 5/24/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

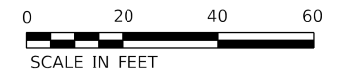
APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & CHICAGO ST.

F.A.P. RTE. 607	SECTION FAP 0607 22 RS	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 30
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				

REVISION 1 REVISED ENTIRE SHEET 5/30/2024

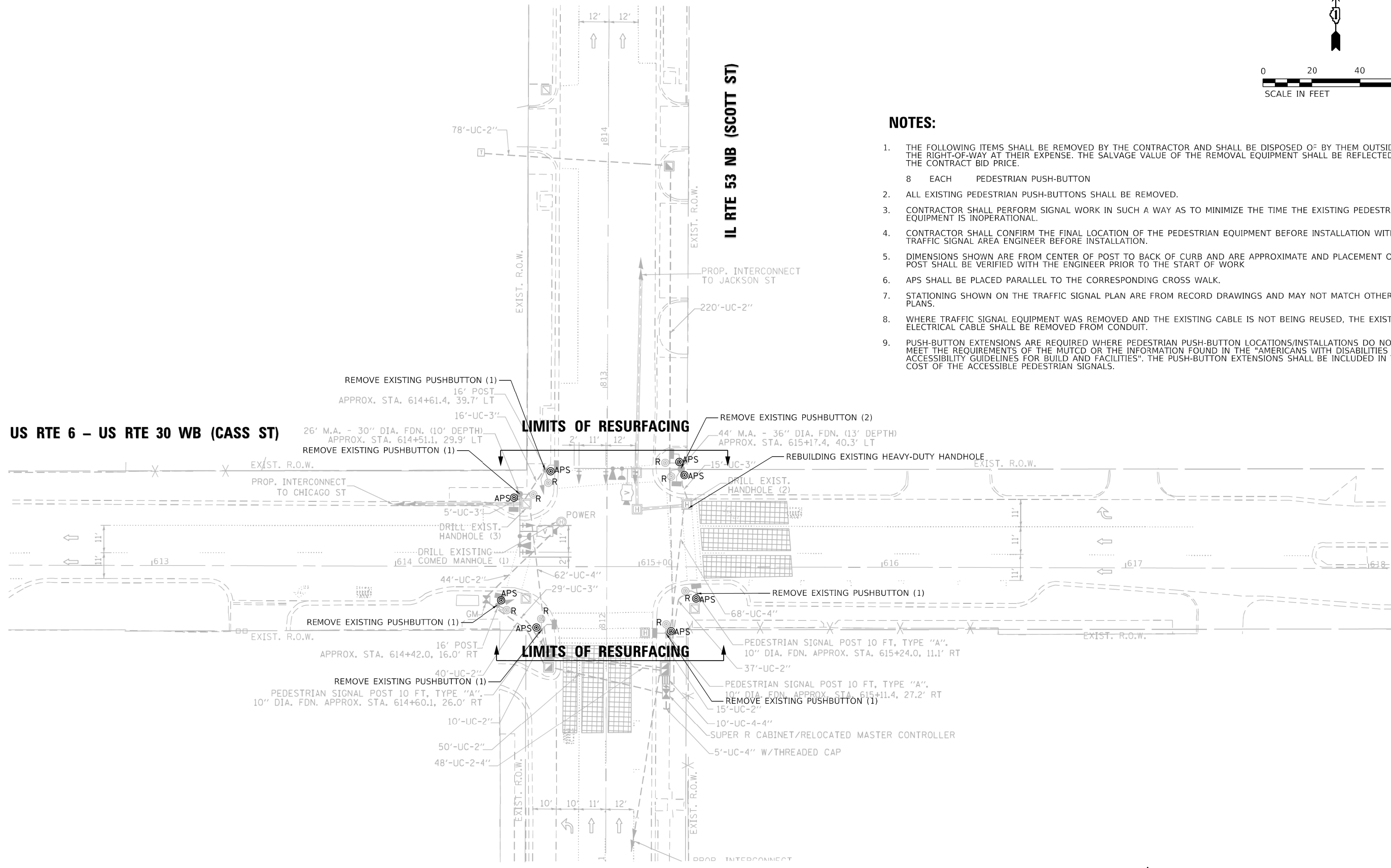
TS 22536
ECON 121

USER: wlorton
 MODEL: Design
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NOTES:

1. 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 REMOVAL 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 SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
4. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
5. DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
6. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
7. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
8. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
9. PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.



US RTE 6 - US RTE 30 WB (CASS ST)

IL RTE 53 NB (SCOTT ST)

LIMITS OF RESURFACING

LIMITS OF RESURFACING

USER: wlorion
MODEL: Design
FILE NAME: P134_001_D12_IDOT_Traffic_Design_PlanDesignWork_Ordor_11CADDUCADD_Sheets0272862728.dwg
11CADDUCADD_Sheets0272862728.dwg



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	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / ft.	CHECKED - BKS	REVISED -
PLOT DATE = 5/24/2024	DATE - \$DATE-SUBMIT\$	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & SCOTT ST.**

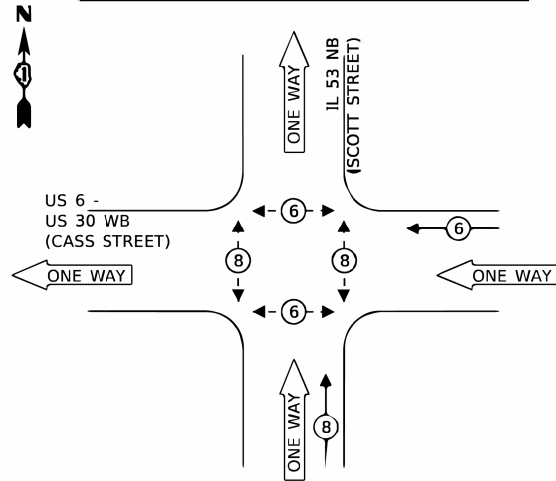
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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REVISED ENTIRE SHEET 5/30/2024

**TS 21803
ECON 121**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T28	

EXISTING CONTROLLER SEQUENCE

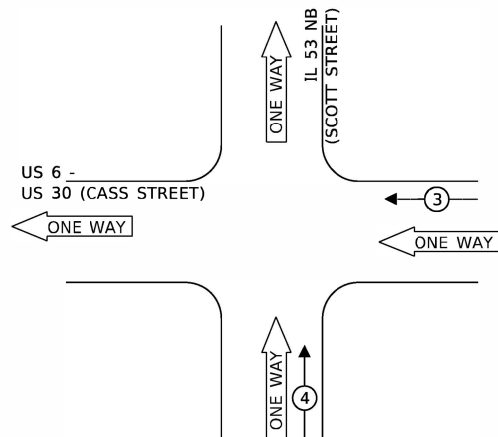


LEGEND:

- ⊙ - PROTECTED PHASE
- ⊙ - PROTECTED/PERMITTED PHASE
- ⊙ - PEDESTRIAN PHASE
- OL - OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

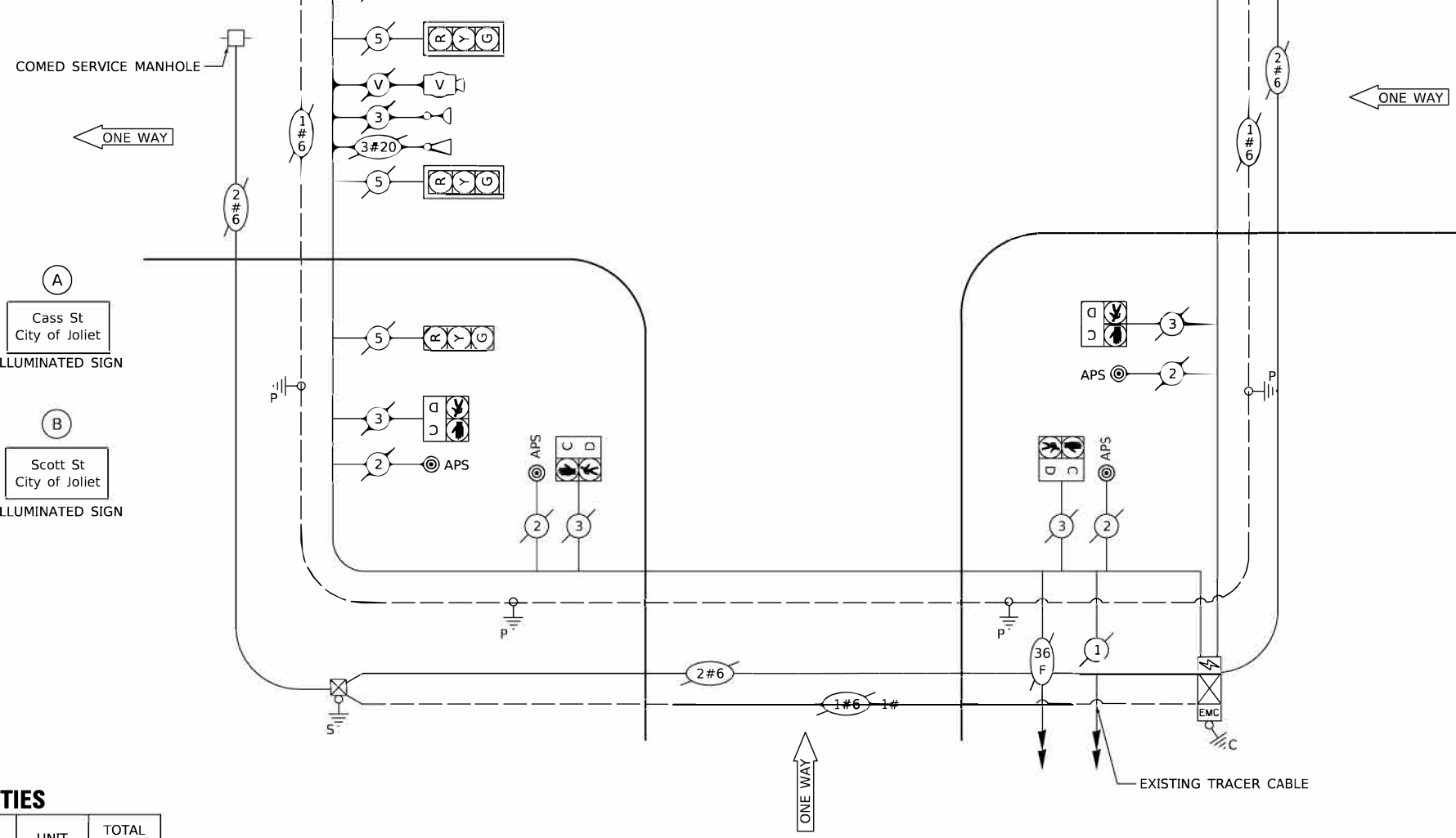
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	7	11	50	38.5
(YELLOW)	7	20	5	7.0
(GREEN)	7	12	45	37.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	285	50	-
TOTAL =				638.3

ENERGY COSTS TO:
CITY OF JOLIET
 150 W. JEFFERSON STREET
 JOLIET, IL 60432
 ENERGY SUPPLY: CONTACT: RICK O'STER
 PHONE: (779)-231-0625
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1

US 6 - US 30 WB (CASS STREET)



CABLE PLAN
(NOT TO SCALE)

DESIGNED - WBL	REVISED - 5/28/2024
DRAWN - MMC	REVISED -
CHECKED - BKS	REVISED -
DATE - \$DATE-SUBMIT\$	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & SCOTT ST.**

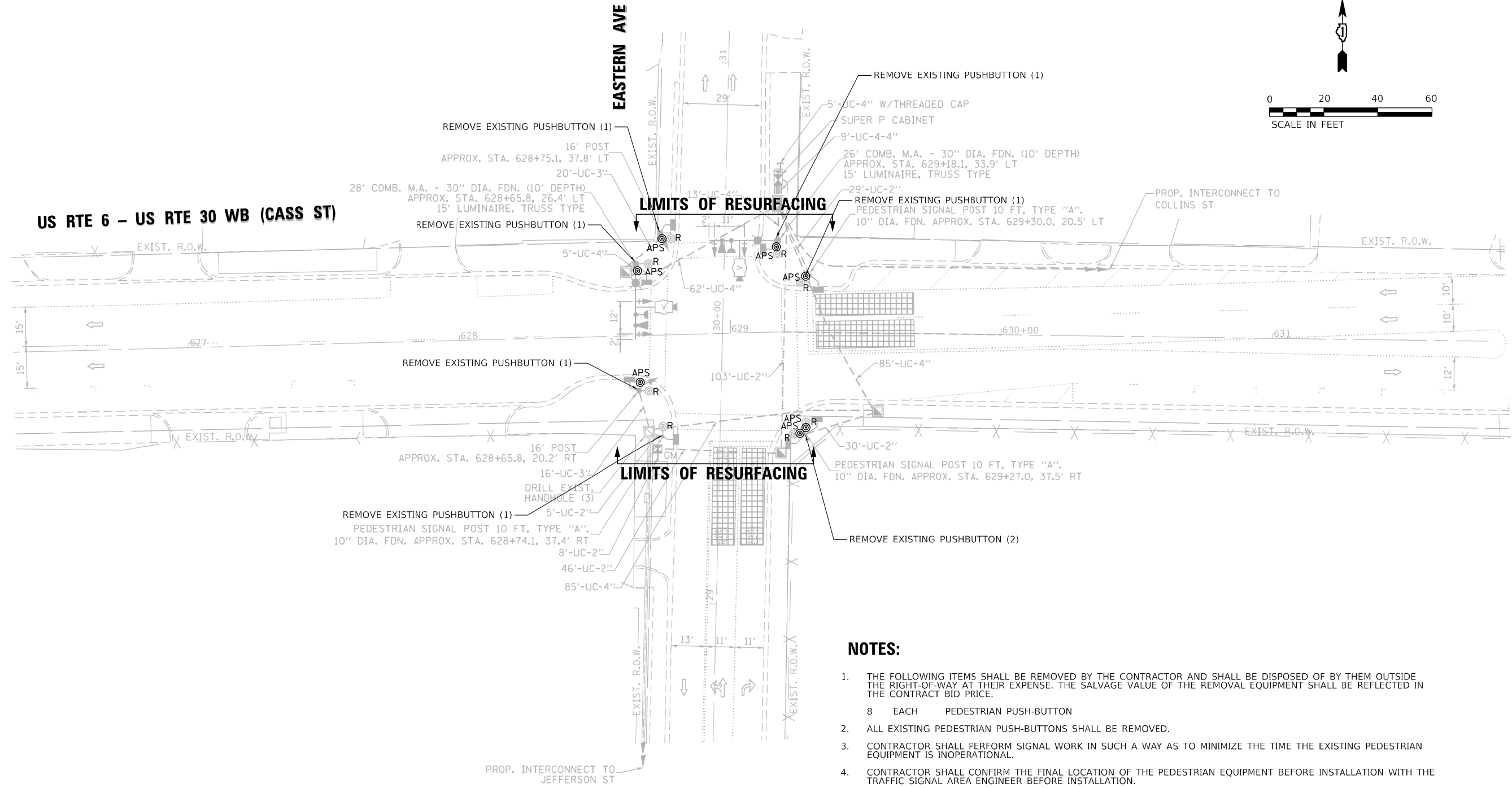
SCALE: SHEET OF SHEETS STA. TO STA.

REVISED ENTIRE SHEET 5/30/2024

**TS 21803
ECON 121**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	32
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				

USER: wjordan
 MODEL: Design
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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 REMOVAL EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
 - 8 EACH PEDESTRIAN PUSH-BUTTON
- ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
- CONTRACTOR SHALL PERFORM 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 BEFORE INSTALLATION.
- DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
- STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
- WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
- PUSH-BUTTON EXTENSIONS ARE REQUIRED WHERE PEDESTRIAN PUSH-BUTTON LOCATIONS/INSTALLATIONS DO NOT MEET THE REQUIREMENTS OF THE MUTCD OR THE INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILD AND FACILITIES". THE PUSH-BUTTON EXTENSIONS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

USER: wlorion MODEL: DgnMdl FILE NAME: PLOT_134_001.DWG IDOT Traffic Design PMDDesignWork Order: IICDDDCADD_Sheets\272862728.dwg TS-15310CassEasternAveSignalPlan.dgn



USER NAME = wlorion	DESIGNED - WBL	REVISED - 5/28/2024
	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - BKS	REVISED -
PLOT DATE = 5/24/2024	DATE - 05/24/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & EASTERN AVE.

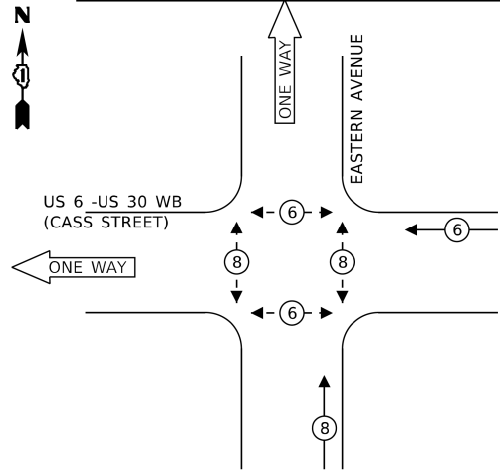
SCALE: SHEET OF SHEETS STA. TO STA.

REVISED ENTIRE SHEET 5/30/2024

TS 21780
ECON 123

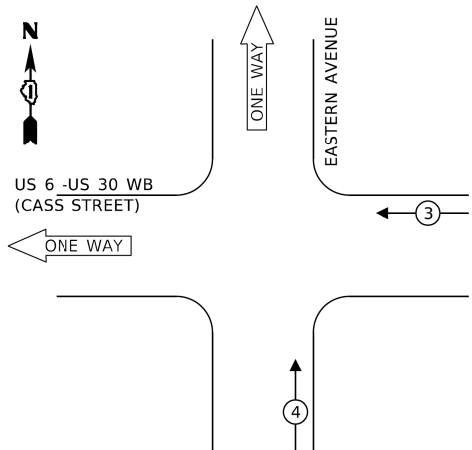
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	33
CONTRACT NO. 62T28				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

US RTE 6 -US RTE 30 WB (CASS STREET)

ONE WAY

- (A) Cass St City of Joliet ILLUMINATED SIGN
- (B) Eastern Ave City of Joliet ILLUMINATED SIGN

EASTERN AVENUE

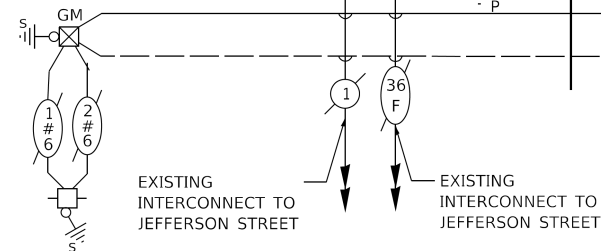
SUPER P CABINET

EXISTING INTERCONNECT TO COLLINS STREET

EXISTING TRACER CABLE

(TWO WAY)

CABLE PLAN (NOT TO SCALE)



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

**TS 21780
ECON 123**

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	6	11	50	33.0
(YELLOW)	6	20	5	6.0
(GREEN)	6	12	45	32.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	2	285	50	285.0
TOTAL =				911.4

ENERGY COSTS TO:
CITY OF JOLIET
 150 W. JEFFERSON STREET
 JOLIET, IL 60432
 ENERGY SUPPLY: CONTACT: RICK OSTER
 PHONE: (779)-231-0625
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



USER NAME = wlorion	DESIGNED - WBL	REVISED - 5/28/2024
PLOT SCALE = 40.0000' / 1"	DRAWN - MMC	REVISED -
PLOT DATE = 5/24/2024	CHECKED - BKS	REVISED -
	DATE - 05/24/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & EASTERN AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

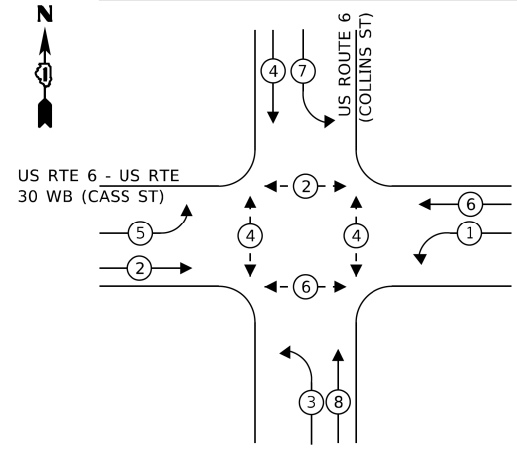
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	34

CONTRACT NO. 62T28
ILLINOIS FED. AID PROJECT

USER: wlorion
 MODEL: Design
 FILE NAME: P134_001.DWG IDOT Traffic Design PMDC:\InWork\Code\11C\DDDC\DDDC\Sheet\21780\21780-22-RS-15-4310C-06-APS&Detector-Loop-Plan.dgn



EXISTING CONTROLLER SEQUENCE

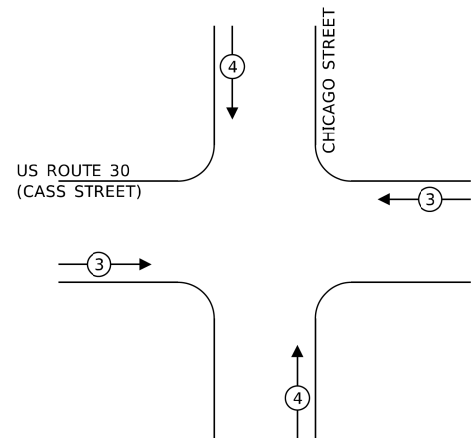


LEGEND:

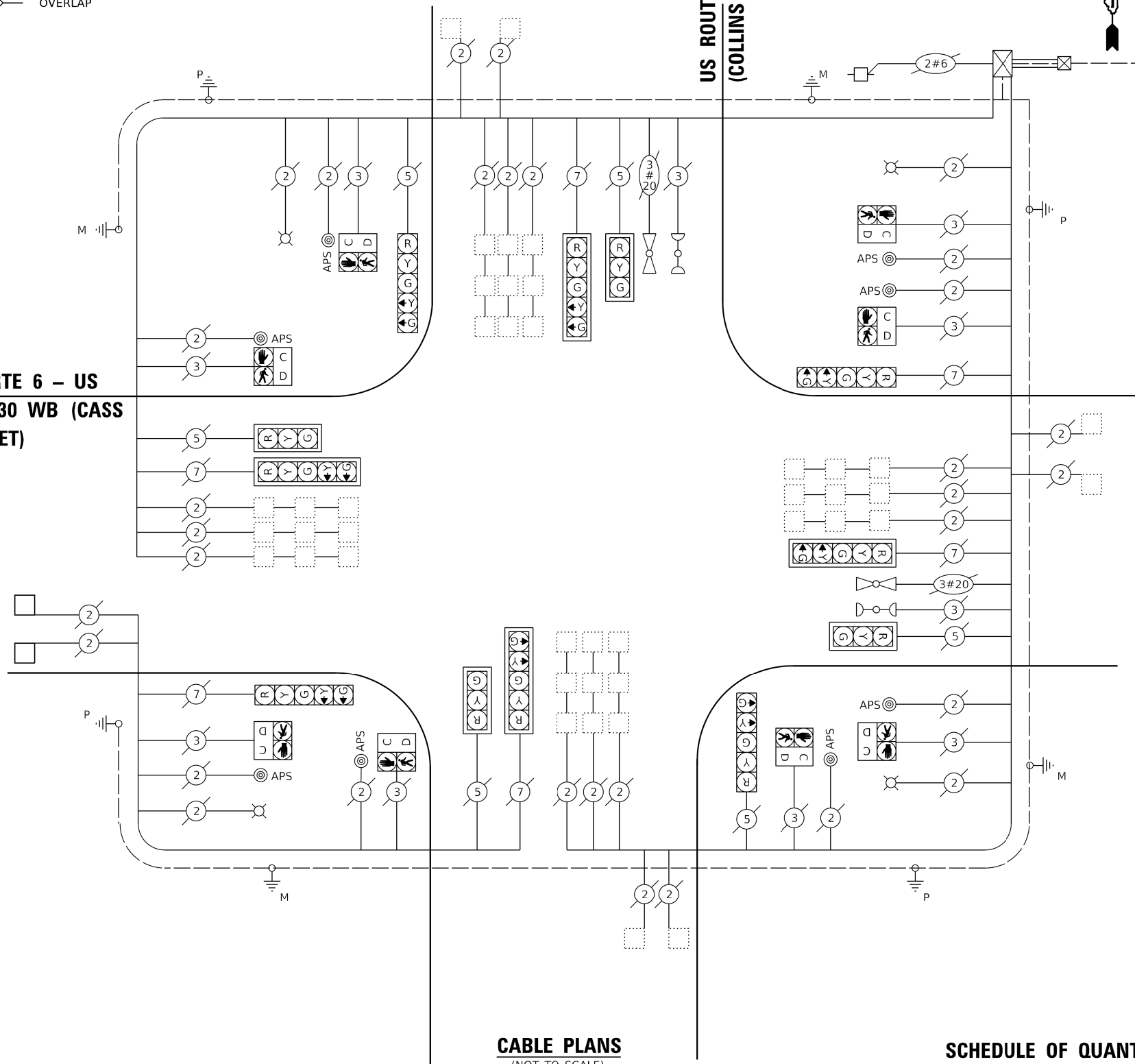
- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * → OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



US RTE 6 - US RTE 30 WB (CASS STREET)



CABLE PLANS (NOT TO SCALE)

SCHEDULE OF QUANTITIES

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	285	50	570.0
TOTAL =				1013.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: RICK OSTER
PHONE: (779)-231-0625
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

REVISOR: REVISED ENTIRE SHEET 5/30/2024



USER NAME = wltrolms.babul	DESIGNED - WBL	REVISED - 5/28/2024
PLOT SCALE = 40.0000" / in.	DRAWN - MMC	REVISED -
PLOT DATE = 5/24/2024	CHECKED - BKS	REVISED -
	DATE - \$DATE-SUBMIT\$	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN
U.S. RTE. 30 (CASS ST.) & U.S. RTE. 6 (COLLINS ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

ITEM DESCRIPTION	UNIT	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	65

TS 21781
ECON 123

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	FAP 0607 22 RS	WILL	54	34B

CONTRACT NO. 62T28
ILLINOIS FED. AID PROJECT

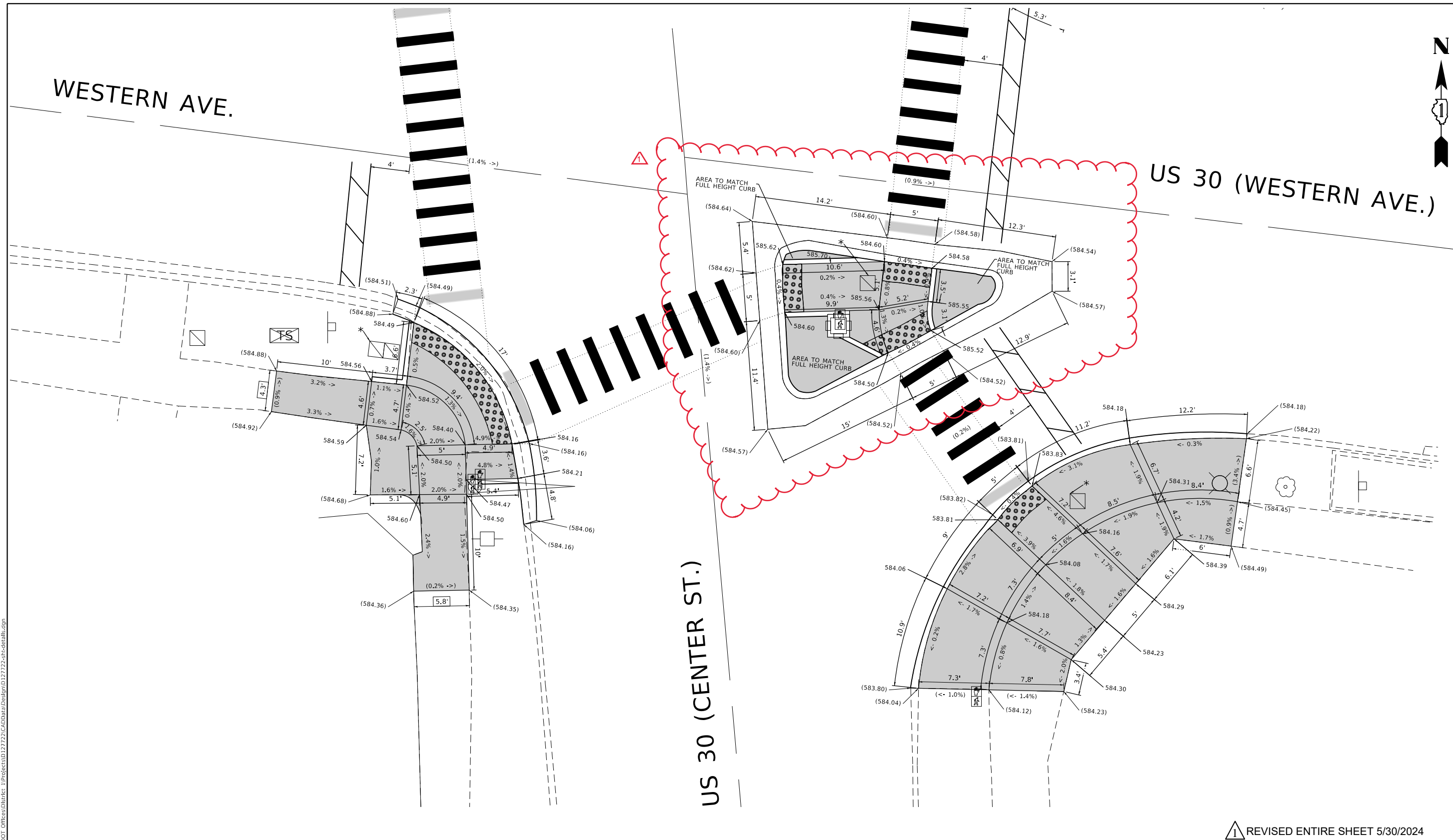
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MODEL: D:\model
FILE: APS AND DETECTOR LOOP INSTALLATION PLAN.dgn



WESTERN AVE.

US 30 (WESTERN AVE.)

US 30 (CENTER ST.)



REVISION 1 REVISOR: [Symbol] DATE: 5/30/2024

REFERENCE BENCHMARK ELEV 584.795
 BENCHMARK : CUT SQUARE IN SOUTH FACE LIGHT POLE
 LOCATION : NORTH EAST CORNER OF WESTERN AVE. AND CENTER ST.

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK		REMOVE & REINSTALL BRICK PAVERS
	PROPOSED SIDE CURB		DETECTABLE WARNINGS		REBUILD EXIST. HANDHOLD
	EXISTING ELEVATION/SLOPE				VALVE BOX TO BE ADJUSTED

REFERENCE BENCHMARK ELEV 584.795
 BENCHMARK : CUT SQUARE IN SOUTH FACE LIGHT POLE
 LOCATION : NORTH EAST CORNER OF WESTERN AVE. AND CENTER ST.

MODEL: Default
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USER NAME = nicholas.babul	DESIGNED -	REVISION 1	5/28/2024
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISION 2	
PLOT DATE = 5/23/2024	CHECKED -	REVISION 3	
	DATE -	REVISION 4	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURM RAMP DETAIL PLAN
 U.S. RTE. 30 (WESTERN AVE.) & U.S. RTE. 30 (CENTER ST.) SW, MED, SE
 SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION FAP 0607 22 RS	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T28	