

MODEL: Default
FILE NAME: P:\P-22\22-4675-00\DOT Various Phase 2 (PTB 205-002)\WO 34 80B13\DGNCADD_Sheets\80B13-SHT-SQC-01.dgn

				CONSTRUCTION CODE			
				0005 ROADWAY		0021 TRAFFIC SIGNAL	
PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	80% FEDERAL 20% STA TE	100% STA TE	80% FEDERAL 20% STA TE	
20200100	EARTH EXCAVATION	CU YD	55	55			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	86	86			
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3	3		
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	3	3		
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	3	3		
	25100630	EROSION CONTROL BLANKET	SQ YD	109	109		
*	25200110	SODDING, SALT TOLERANT	SQ YD	86	86		
*	25200200	SUPPLEMENTAL WATERING	UNIT	5	5		
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25		
	35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	6	6		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,853	18,853		
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	17,153	17,153		
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	41	41		
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	67	67		
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	165	165		
	40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	367	367		1
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,328	1,328		
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	2,658	2,658		
	42001300	PROTECTIVE COAT	SQ YD	1,204	1,204		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,229	5,229		
	42400800	DETECTABLE WARNINGS	SQ FT	302	302		
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	3,273	3,273		1
	44000600	SIDEWALK REMOVAL	SQ FT	5,108	5,108		

* = SPECIALTY ITEM

				CONSTRUCTION CODE			
				0005 ROADWAY		0021 TRAFFIC SIGNAL	
PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	80% FEDERAL 20% STA TE	100% STA TE	80% FEDERAL 20% STA TE	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	24	24			
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	621	621			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	162	162			
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,500	1,500			
56109210	WATER VALVES TO BE ADJUSTED	EACH	5	5			
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	7	7			
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	55	55		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2		
*	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	12	12		
67100100	MOBILIZATION	L SUM	1	1			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	23,846	23,846			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4,908	4,908			
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	182	182			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	37,659	37,659			
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	581	581			

1 REVISED SHEET 2/17/2026

INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9500 F 312.425.9504 www.infrastructure-eng.com	USER NAME = ALane		DESIGNED - HA		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL 53 (BROADWAY ST) - BLUFF ST TO TEALE WOODS TRAIL					F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - HA		REVISED -			112	2025-1086-RS		WILL		51	3				
			CHECKED - ACL		REVISED -								CONTRACT NO. 80B13					
	PLOT DATE = 12/1/2025		DATE - 09/12/2025		REVISED -			SCALE: NTS		SHEET 1 OF 2 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: P:\P-22\22-4675-00\DOT Various Phase 2 (PTB 2025-02)\WO 34 80B13\02\GN\CADD Sheets\80B13-SHT-SQC-02.dgn

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0005 ROADWAY	0021 TRAFFIC SIGNAL	
		URBAN		80% FEDERAL 20% STA TE	100% STA TE	80% FEDERAL 20% STA TE
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	98	98		
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	3,316	3,316		
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	896	896		
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	14,722	14,722		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	218	218	1	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,553	12,553		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	848	848	1	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	572	572		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,106	1,106		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	319	319		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	319	319		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	319	319		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	207			207
* 81400200	HEAVY - DUTY HANDHOLE	EACH	2			2
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2			2
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,764			2,764
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	940			940
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	90			90
* 87900200	DRILL EXISTING HANDHOLE	EACH	9			9
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2
* 89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2			2
* 89502200	MODIFY EXISTING CONTROLLER	EACH	2			2
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	616			616
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2			2

* = SPECIALTY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0005 ROADWAY	0021 TRAFFIC SIGNAL	
		URBAN		80% FEDERAL 20% STA TE	100% STA TE	80% FEDERAL 20% STA TE
* 89502375	REBUILD EXISTING HANDHOLE	EACH	9			9
* 89502380	REMOVE EXISTING HANDHOLE	EACH	2			2
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1		
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	391	391		
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2			2
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	7			7
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	1.9	1.9		
X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	5.5	5.5		
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	422	422		
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	7,110	7,110		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	833	833		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1,036	1,036		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1,200		1,200	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	50	50		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12		
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	129	129		
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	18			18
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	36			36
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1,334			1,334
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	80		80	
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2			2
Ø Z0076600	TRAINEES	HOURL	500	500		
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	500	500		

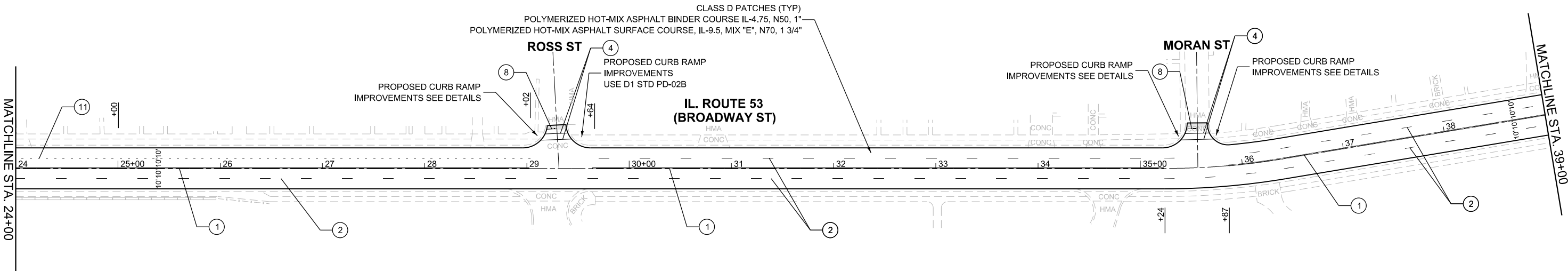
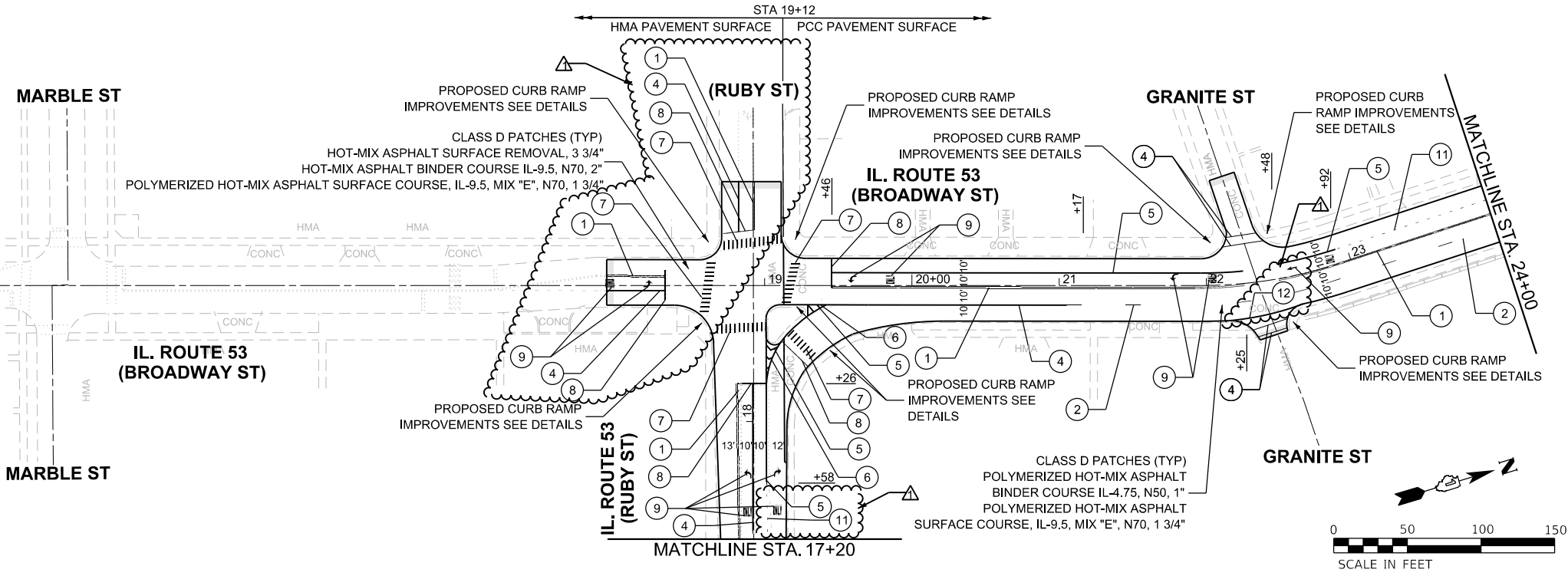
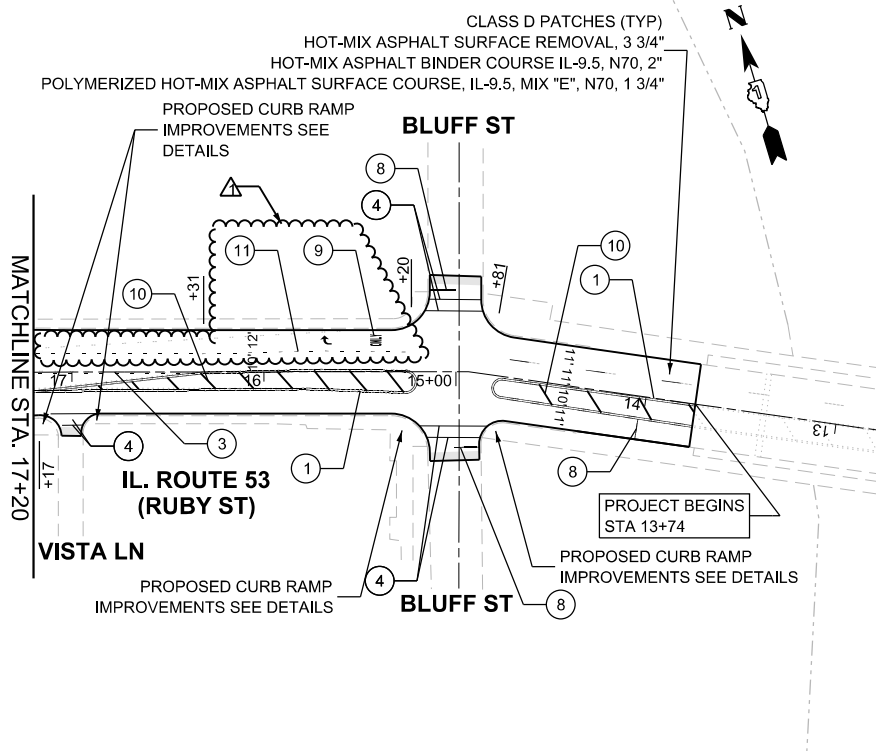
1 REVISED SHEET 2/17/2026

Ø 0042

 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312 425 9560 F 312 425 9561 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL 53 (BROADWAY ST) - BLUFF ST TO TEALE WOODS TRAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - HA	REVISED -						112	2025-1086-RS	WILL	51	4
		CHECKED - ACL	REVISED -						CONTRACT NO. 80B13				
	PLOT DATE = 12/1/2025	DATE - 09/12/2025	REVISED -						ILLINOIS FED. AID PROJECT				
	SCALE: NTS		SHEET 2 OF 2 SHEETS										

REV-SEP

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 DOT Various Phase 2 (PTB 208-002)\WO 34 80B13\DMCADD_Sheets\80B13-SHT-PLAN-01.dgn



PAVEMENT MARKING LEGEND

- | | |
|---|---|
| ① LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C (TYP) | ⑨ LETTERS & SYMBOLS, SOLID WHITE (TYP) |
| ② LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP) | ⑩ LINE 12", SOLID, YELLOW - MEDIAN DIAGONALS (TYP) |
| ③ LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP) | ⑪ LINE 8", SKIP-DASH, WHITE (3' LINE - 9' SPACE) - DOTTED LINES (TYP) |
| ④ LINE 6", SOLID WHITE - CROSSWALK & TURN LANE MARKING (TYP) | ⑫ LINE 4", SOLID, WHITE (TYP) |
| ⑤ LINE 8", SOLID, WHITE - GORE LINE (TYP) | |
| ⑥ LINE 12", SOLID, WHITE - MEDIAN DIAGONALS (TYP) | |
| ⑦ LINE 12", SOLID, WHITE - CROSSWALK (TYP) | |
| ⑧ LINE 24", SOLID, WHITE - STOP LINES (TYP) | |

LEGEND

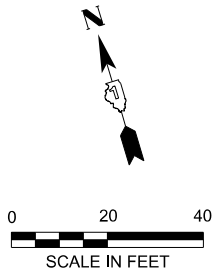
- | | |
|--|----------------------------------|
| | SURFACE REMOVAL BUTT JOINT, 4.5' |
| | - HMA ON RUBY STREET |
| | - PCC ON BROADWAY STREET |

NOTES:

- LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
- ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
- ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

1 REVISED SHEET 2/17/2026

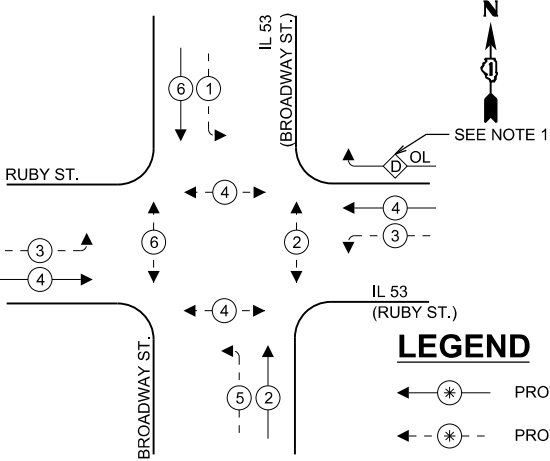
 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9560 F 312.425.9594 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - HA	REVISED - AMT 2/11/26	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS IL 53 (BROADWAY ST) - BLUFF ST TO TEALE WOODS TRAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - HA	REVISED -					112	2025-1086-RS	WILL	51	7
		CHECKED - ACL	REVISED -					CONTRACT NO. 80B13				
	PLOT DATE = 2/13/2026	DATE - 09/12/2025	REVISED -					ILLINOIS FED. AID PROJECT				
	SCALE: 1"=50'				SHEET 1 OF 3 SHEETS			STA. TO STA.				



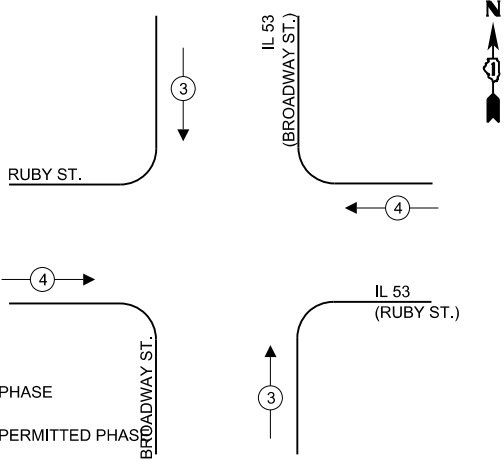
1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSH BUTTONS SHALL BE APS.
4. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
6. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
7. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.

INFRASTRUCTURE ENGINEERING INCORPORATED P 310 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9560 F 312.425.9564 www.infrastructure-eng.com	USER NAME = ATverotknieb	DESIGNED - AMT	REVISED - △ AMT 1/30/26	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - AMT	REVISED -		IL 53 (BROADWAY ST) & RUBY ST					112	2025-1086-RS	WILL	51	32	
		CHECKED - ACL	REVISED -							CONTRACT NO. 80B13					
	PLOT DATE = 1/30/2026	DATE = 09/12/2025	REVISED -							SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.
												ILLINOIS	FED. AID PROJECT		

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY
VEHICLE PREEMPTION SEQUENCE



LEGEND

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

NOTE:
1. OVERLAP IS A CONTINUOUS RIGHT TURN ARROW AND SHALL BE TERMINATED WHEN A CALL IS PLACED TO PUSH BUTTONS FOR PHASES 2 AND 4.

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	185
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1822
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	940
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	50
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	362
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	5
REMOVE EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
DETECTOR LOOP REPLACEMENT	FOOT	888
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	3	11	33
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	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			528
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			1133

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT,
SCHAUMBERG, IL 60196

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPARTMENT

PHONE: (866)639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER:

METER NUMBER:

RUBY ST.

BROADWAY ST.

IL 53
(BROADWAY ST.)

IL 53
(RUBY ST.)

CABLE PLAN
(NOT TO SCALE)

CABLE PLAN, PHASE DIAGRAM, & EMERG. VEH. PREEMPTION
IL 53 (BROADWAY ST.) & RUBY ST

SCALE: NTS SHEET OF SHEETS STA. TO STA.

REVISED SHEET 2/17/2026
TS 7513
ECONOLITE ASC/2S-2100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2025-1086-RS	WILL	51	33
CONTRACT NO. 80B13				
ILLINOIS FED. AID PROJECT				

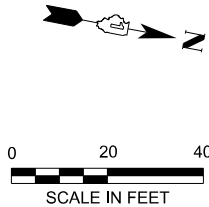
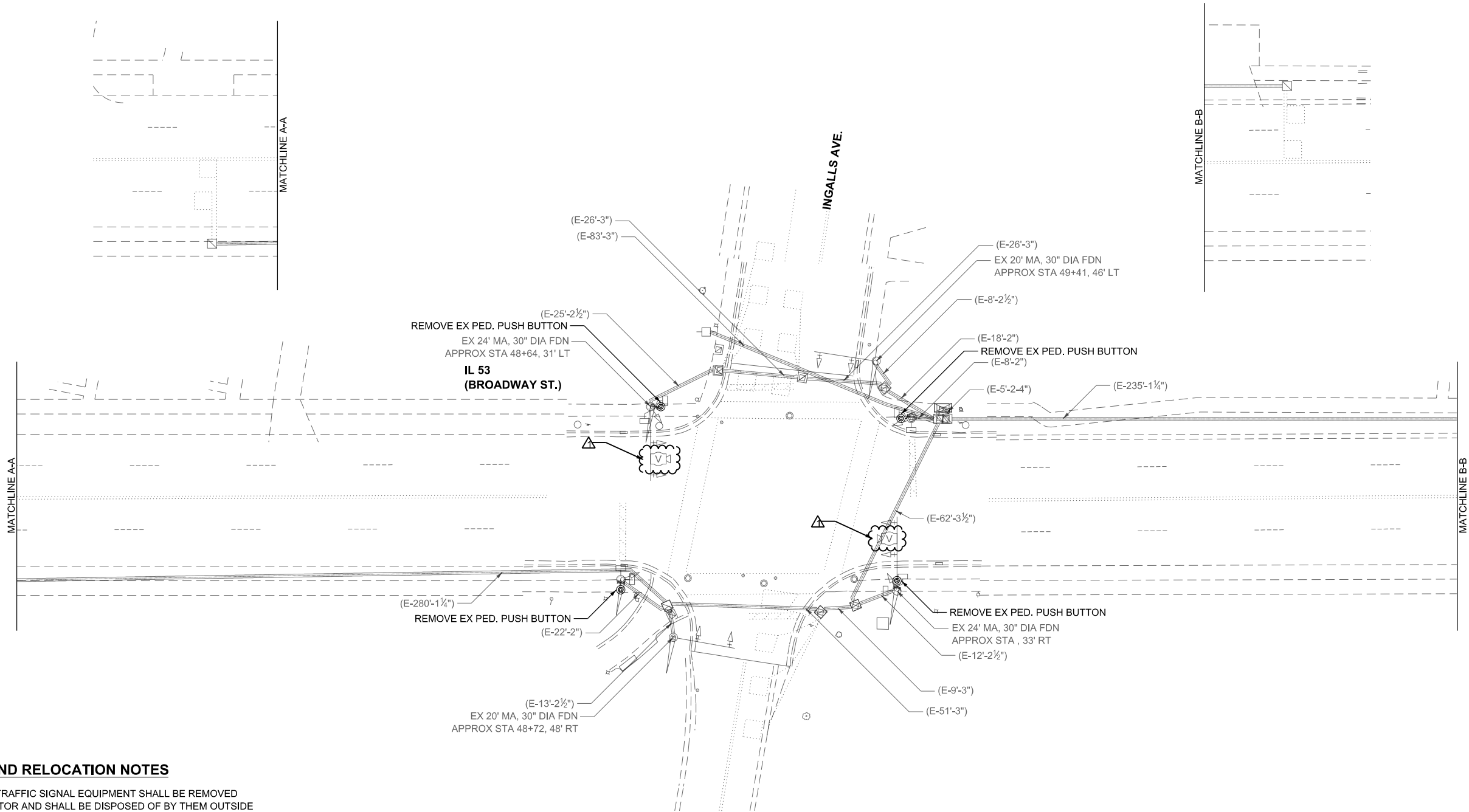
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGNED - AMT	REVISED - AMT 1/30/26
DRAWN - AMT	REVISED -
CHECKED - ACL	REVISED -
DATE - 09/12/2025	REVISED -

INFRASTRUCTURE
ENGINEERING INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9594 | www.infrastructure-eng.com

USER NAME = ATverduknieb
PLOT DATE = 1/30/2026

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FILE NAME: P:\P-22-22-4675-00 DOT Various Phase 2 (PTB 2025-022)\WO 34 80B13\DNVCADD_Sheets\80B13-SHT13-S-003.dgn



REMOVAL AND RELOCATION NOTES

THE FOLLOWING 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 EQUIPMENT BID PRICE.

4 EACH PEDESTRIAN PUSH-BUTTON

NOTES

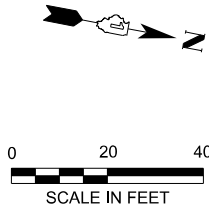
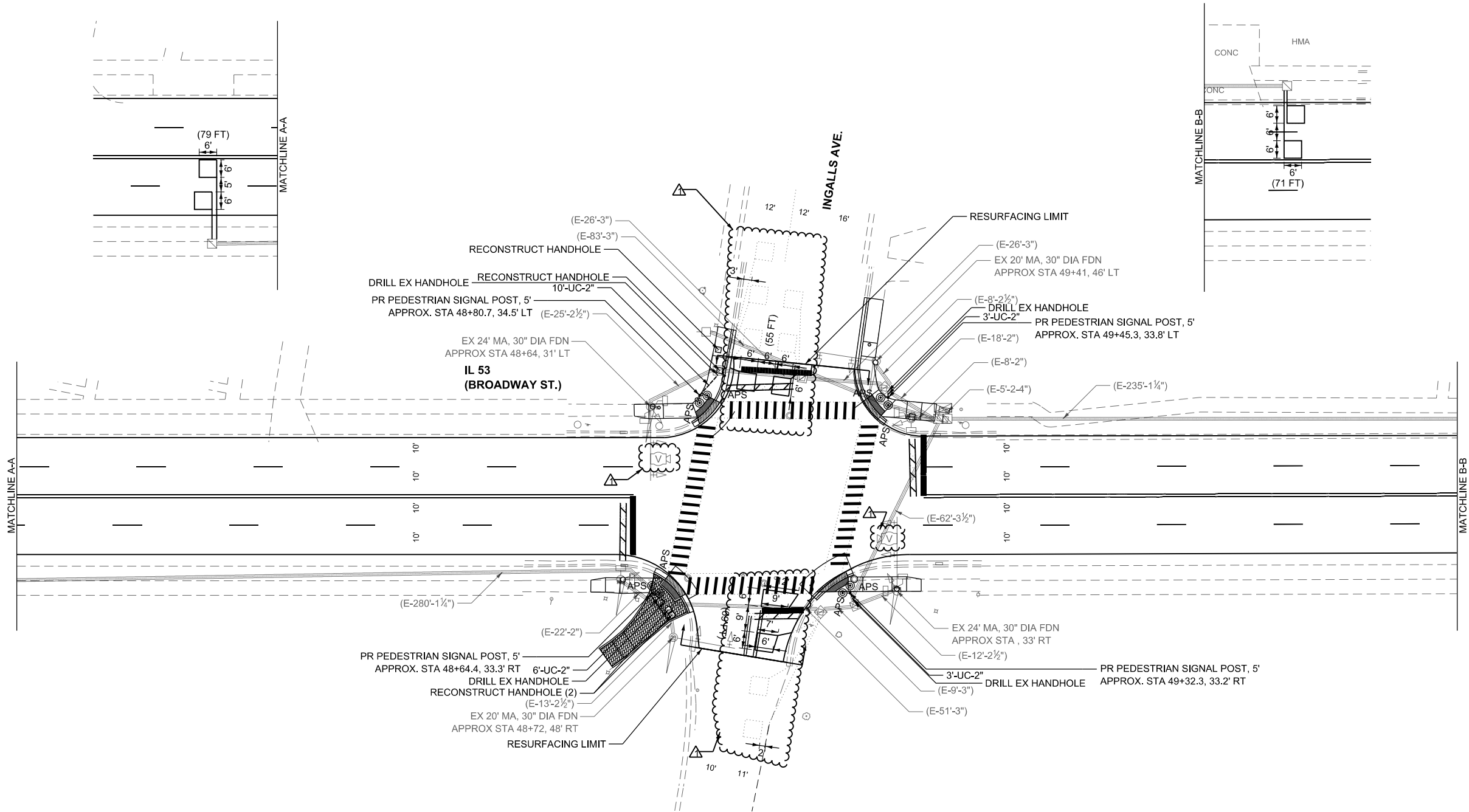
- CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
- ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

1 REVISED SHEET 2/17/2026

TS 7509

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 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9560 F 312.425.9594 www.infrastructure-eng.com	USER NAME = ATverdokhle		DESIGNED - AMT		REVISED -  AMT 1/30/26		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN IL 53 (BROADWAY ST) & INGALLS AVE						F.A.P. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
			DRAWN - AMT		REVISED -			112		2025-1086-RS		WILL		51		34							
			CHECKED - ACL		REVISED -									CONTRACT NO. 80B13									
	PLOT DATE = 1/30/2026		DATE - 09/12/2025		REVISED -																		
						SCALE: 1" = 20'		SHEET		OF		SHEETS		STA. 0+00		TO STA. 0+00							



NOTES:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSH BUTTONS SHALL BE APS.
4. 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.
5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
6. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
7. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.

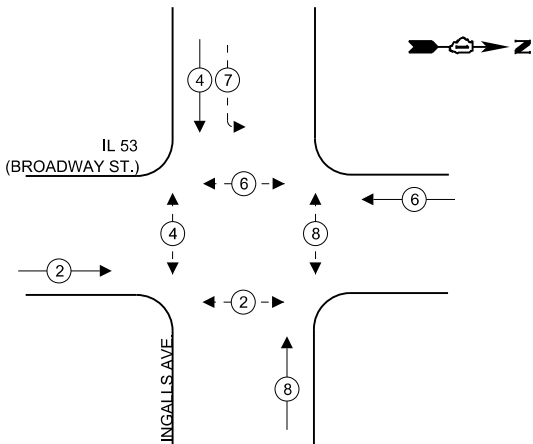
1 REVISED SHEET 2/17/2026

TS 7509

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 DOT Various Phase 2 (PTB 2025-02)\WO 34 80B13\DNICADD_Sheets\80B13-SHT-1S-012.dgn

 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9560 F 312.425.9594 www.infrastructure-eng.com	USER NAME = ATverdokhleb		DESIGNED - AMT	REVISED -  AMT 1/30/26	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL 53 (BROADWAY ST) & INGALLS AVE					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - AMT	REVISED -		112	2025-1086-RS	WILL	51	35					
			CHECKED - ACL	REVISED -		CONTRACT NO. 80B13									
	PLOT DATE = 1/30/2026		DATE - 09/12/2025	REVISED -							ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 0+00	TO STA. 0+00				

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



LEGEND

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

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	942
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	254
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
DETECTOR LOOP REPLACEMENT	FOOT	274
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	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			431
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			1036

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT,
SCHAUMBERG, IL 60196

ENERGY SUPPLY:

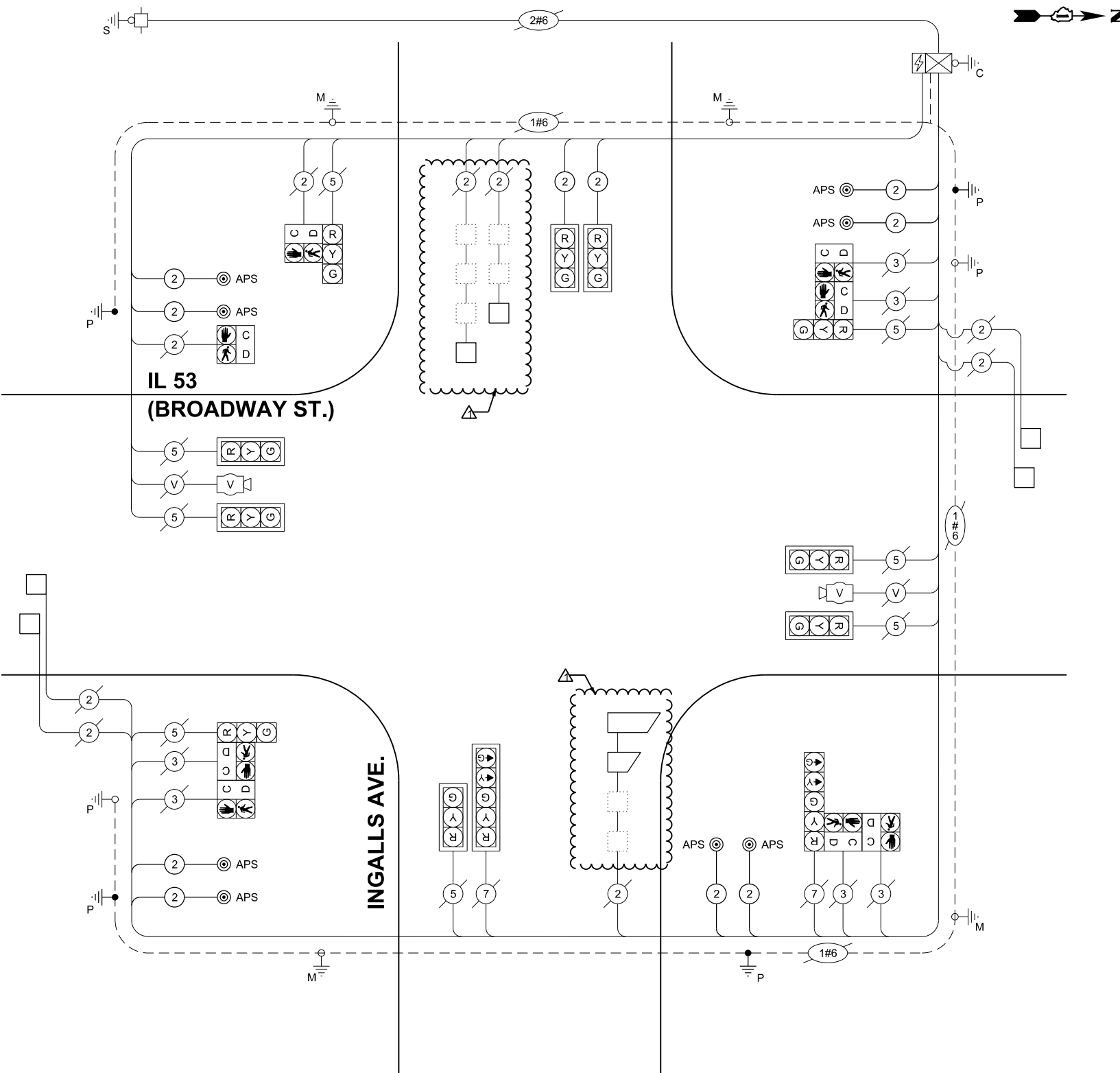
CONTACT: NEW BUSINESS DEPARTMENT

PHONE: (866)639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER:

METER NUMBER:



CABLE PLAN
(NOT TO SCALE)

REVISED SHEET 2/17/2026

TS 7509

ECONOLITE ASC/3-2100

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM, & EMERG. VEH. PREEMPTION
IL 53 (BROADWAY ST) & INGALLS AVE

SCALE: NTS SHEET 1 OF 6 SHEETS STA. 0+00 TO STA. 0+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2025-1086-RS	WILL	51	36
CONTRACT NO. 80B13				
ILLINOIS FED. AID PROJECT				

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**INFRASTRUCTURE
ENGINEERING** INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9594 | www.infrastructure-eng.com

USER NAME = ATverduknieb
PLOT DATE = 1/30/2026

DESIGNED - AMT
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REVISED -