

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED HIGHWAY PLANS**

F.A.U. ROUTE 1548 & 1549 (79TH STREET)  
WB CONNECTOR IL 171 (ARCHER AVE.) TO IL 50 (CICERO AVE.)  
SECTION NO.: 1548 /1549 22 RESURFACE  
PROJECT NO.: STP-U1VX(768)  
STANDARD OVERLAY, ADA IMPROVEMENTS  
COOK COUNTY

C-91-226-22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1548 & 1549	1548/1549 22 RESURFACE	COOK	76	1
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 62R71	
* 76 + 1 = 77 TOTAL SHEETS				

D-91-180-22



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGES OF JUSTICE, BRIDGEVIEW AND THE CITY OF BURBANK

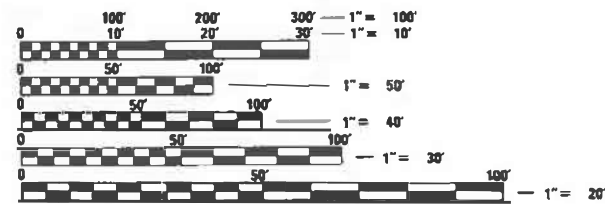
**TRAFFIC DATA:**

2022 ADT - 21900 TO 30500 VPD  
SPEED LIMIT - 35 TO 45 MPH

**OMISSIONS:**

B+OCT & IHB R.R.  
STA. 98+18 TO 101+34

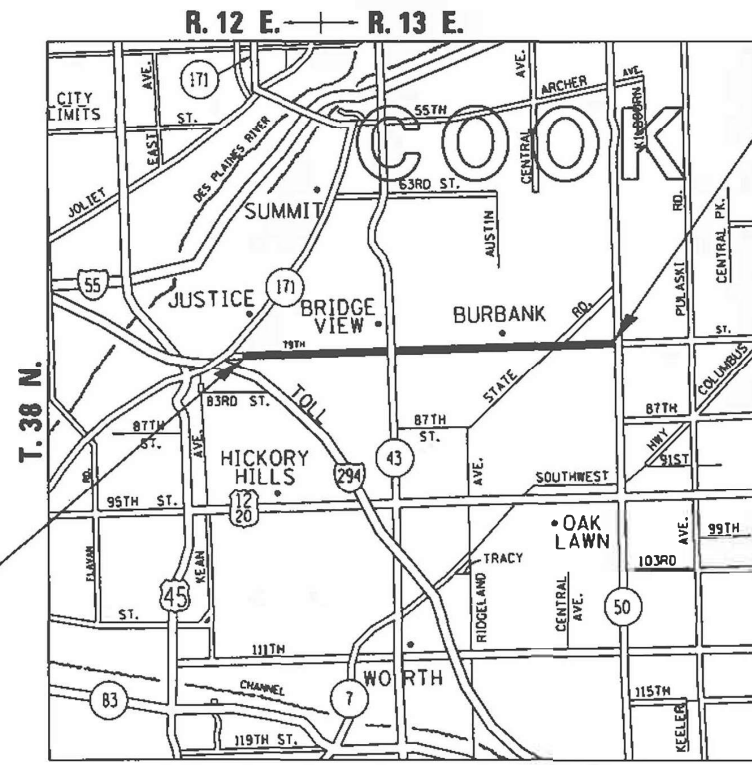
IL 43 (HARLEM AVE.)  
STA. 125+12 TO 127+49



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 EXCAVATION  
1-800-892-0123  
OR 811

PROJECT BEGINS  
STA. 33+17



PROJECT ENDS  
STA. 284+83

STICKNEY AND LYONS TOWNSHIP

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432

PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62R71

GROSS LENGTH OF PROJECT - 25166 FEET - 4.77 MILES

NET LENGTH OF PROJECT - 24613 FEET - 4.66 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18, 2024  
*Jose Rios*  
JOSE RIOS, 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

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	100% STATE 0005			
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	3825	3825				
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	55990	55990				
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	20066	20066				
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	646	646				
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3799	3799				
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2401	2401				
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2221	2221				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1888	1888				
*81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	546	546				
*85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8	8				
*87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4284	4284				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	100% STATE 0005			
*87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1950	1950				
*87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	770	770				
*87900200	DRILL EXISTING HANDHOLE	EACH	30	30				
*88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16	16				
<del>*88600105</del>	<del>DETECTOR LOOP REPLACEMENT</del>	<del>FOOT</del>	<del>4368</del>	<del>4368</del>				
*89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	8	8				
*89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1193	1193				
*89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	385	385				
*89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7	7				
*89502376	REBUILD EXISTING HANDHOLE	EACH	5	5				
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	2				
K0029618	WEED CONTROL, BROADLEAF IN TURF	GALLON	1	1				
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1				

MODEL: SMODELNAMES  
FILE NAME: FILE1

USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = \$\$CALES	DRAWN -	REVISED -
PLOT DATE = \$DATES	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
1548-1549 (79TH ST.)—IL 171 (ARCHER AVE.) TO IL 50 (CICERO AVE.)			
SCALE: NONE	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE. 1548/1549	SECTION 1548/1549 22 RESURFACE	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 5
CONTRACT NO. 62R71				
ILLINOIS FED. AID PROJECT				

△ REVISED SHEET 5/30/2024

\* SPECIALTY ITEMS  
□ NON PARTICIPATING ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	100% STATE 0005			
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
X0327989	REMOVE EXISTING BRICK PAVERS	SO FT	4563	4563				
X0540000	BRICK PAVERS	SO FT	4545	4545				
*X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	6	6				
*X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	24	24				
X2010200	TREE LIMB REMOVAL (OVER 10 INCHES DIAMETER)	EACH	2	2				
X2010400	STUMP REMOVAL ONLY	UNIT	104.3	104.3				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	2154	2154				
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	3350	3350				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	900	900				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	20	20				
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12				
*X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	64	64				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	100% STATE 0005			
*X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	116	116				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	15	15				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				
*Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL	EACH	8	8				
Z0076600	TRAINEES	HOURS	1000	1000				
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1000	1000				
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	11140	11140				
88600100	DETECTOR LOOP, TYPE I	FOOT	5550	5550				
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	1				
88500100	INDUCTIVE LOOP DETECTOR	EACH	6	6				

△ REVISED SHEET 5/30/2024

∅ 0042

\* SPECIALTY ITEMS  
□ NON PARTICIPATING ITEMS

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PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = \$DATES	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
1548-1549 (79TH ST.)—IL 171 (ARCHER AVE.) TO IL 50 (CICERO AVE.)  
SCALE: NONE SHEET OF SHEETS STA. TO STA.

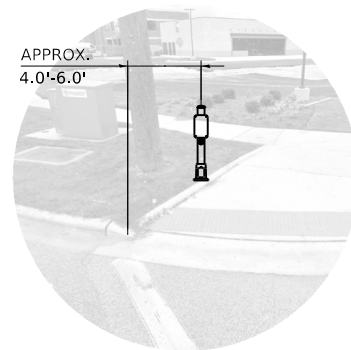
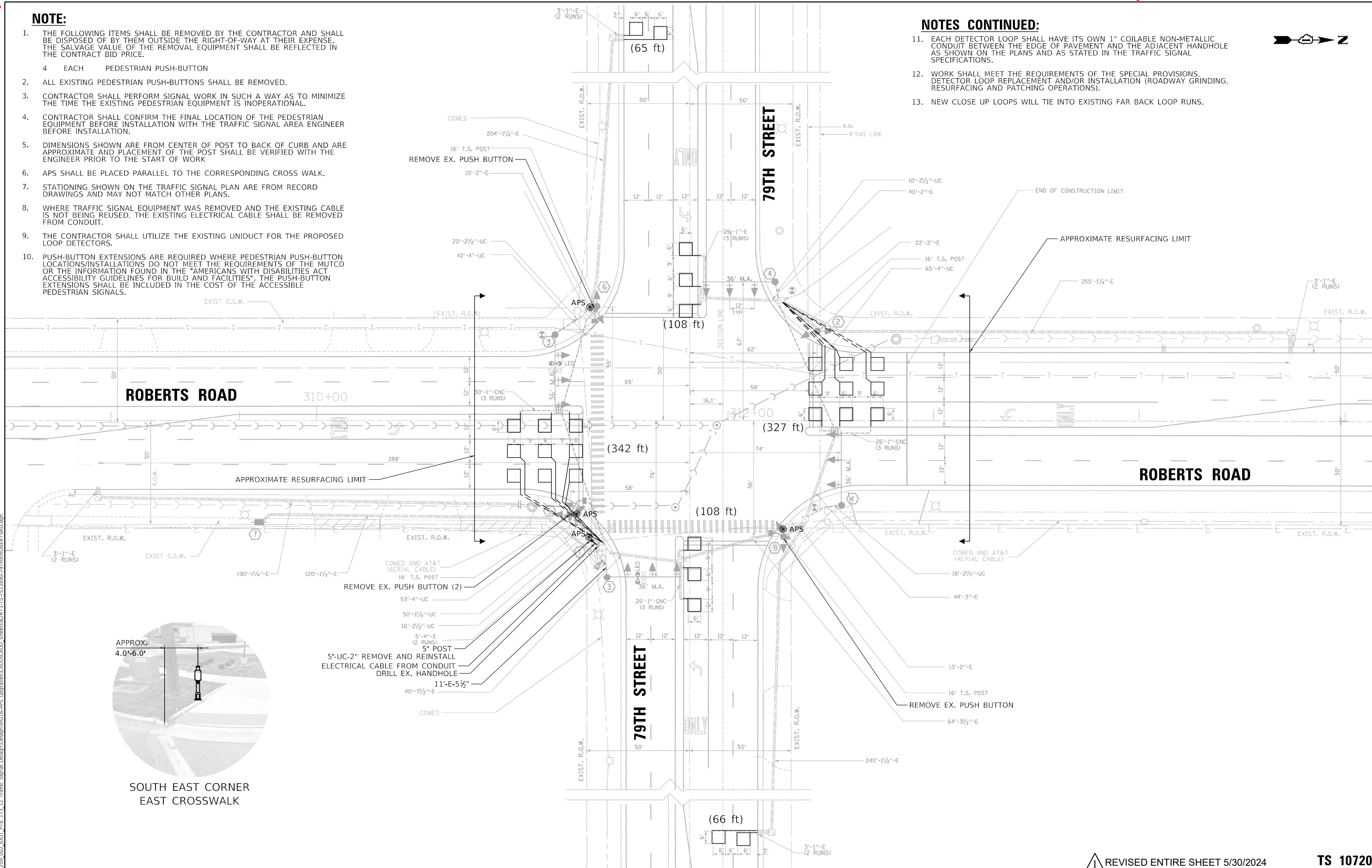
F.A. RTE. 1548/1549	SECTION 1548/1549 22 RESURFACE	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 6
CONTRACT NO. 62R71			ILLINOIS FED. AID PROJECT	

**NOTE:**

- 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.
- 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.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
- 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.

**NOTES CONTINUED:**

- 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.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
- NEW CLOSE UP LOOPS WILL TIE INTO EXISTING FAR BACK LOOP RUNS.



SOUTH EAST CORNER EAST CROSSWALK

REVISED ENTIRE SHEET 5/30/2024

TS 10720



USER NAME = wlorion	DESIGNED - DWB	REVISED -
PEN TABLE = D162R71.tbl	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BKS	REVISED -
PLOT DATE = 5/16/2024 12:45:15 PM	DATE - 12/16/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
79TH STREET AT ROBERTS ROAD

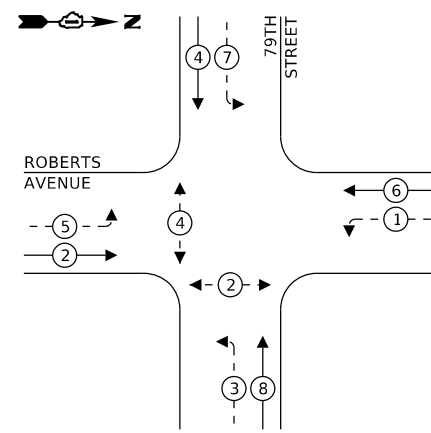
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	40
CONTRACT NO. 62R71				
ILLINOIS FED. AID PROJECT				

MODEL DRAWING  
 FILE NAME: P102\_209\_002\_IDOT\_PTB\_173\_12\_Traffic\_Signal\_Design\_WD16APS\_Upgrade\_CADD\CADD\_Sheets\62R71-TS-1513890-79TH@ROBERTS.DWG  
 TS 10720



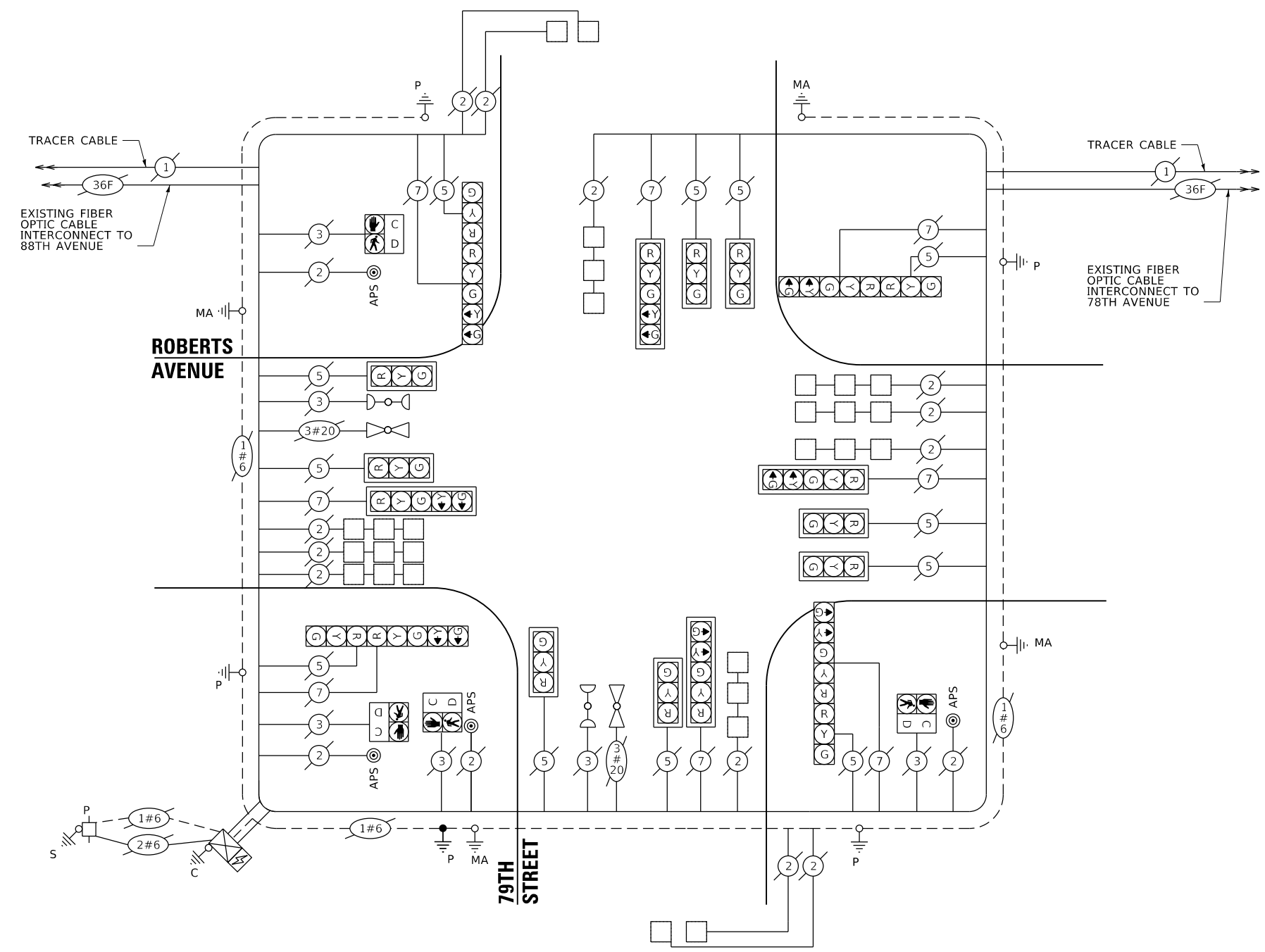
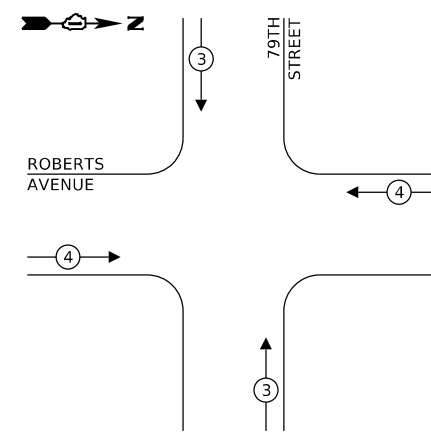
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
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	-	-	-	-
<b>TOTAL =</b>				<b>459</b>

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	10
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	1016
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	35
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4

ENERGY COSTS TO:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 CENTER CT  
 SHAUMBURG, IL 60196  
 ENERGY SUPPLY: CONTACT: COMMONWEATH EDISON  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEATH EDISON  
 ACCOUNT NUMBER: #46630-61134

TS SHT NO. 10



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES  
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 79TH STREET AT ROBERTS AVENUE**

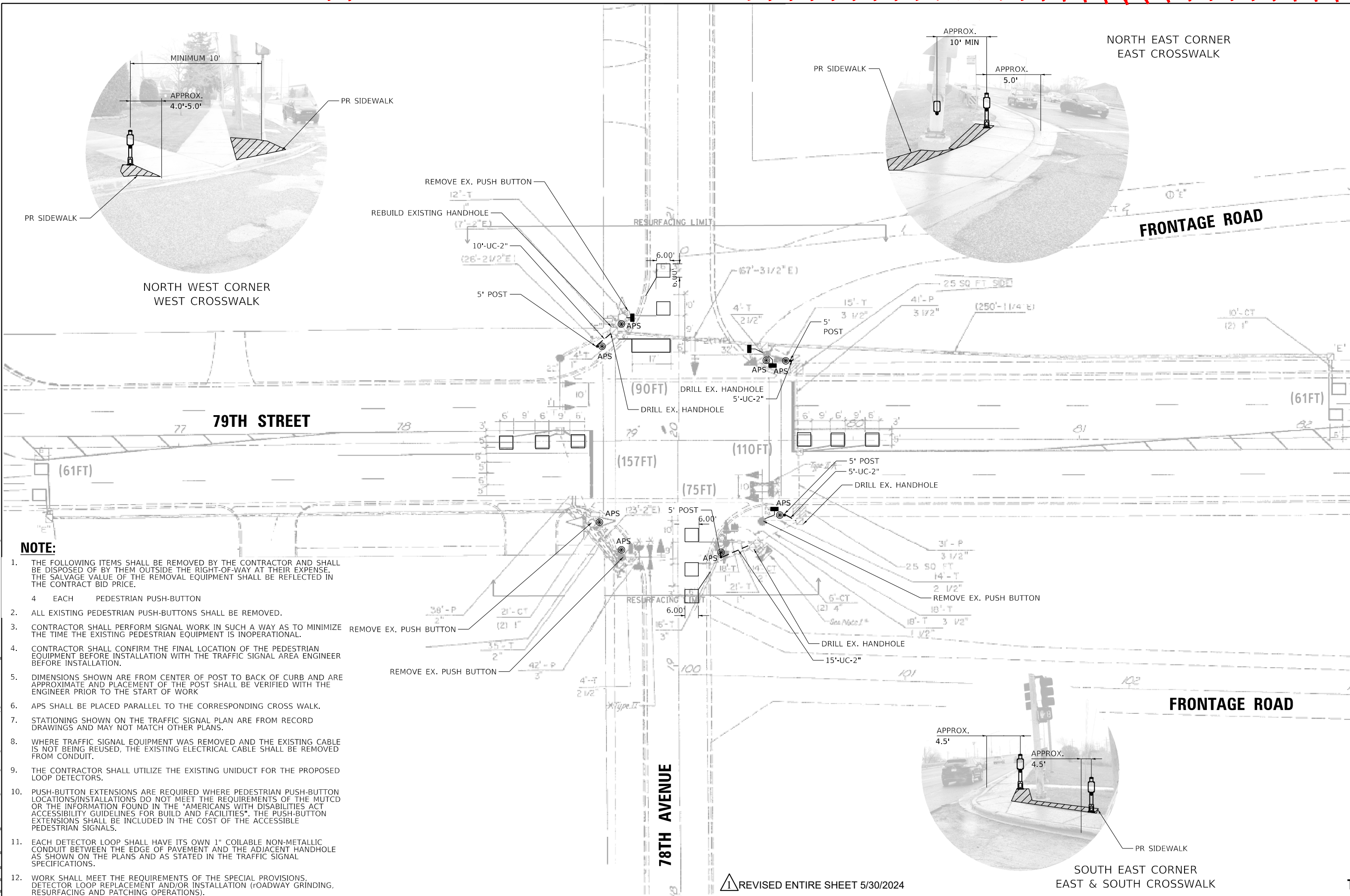
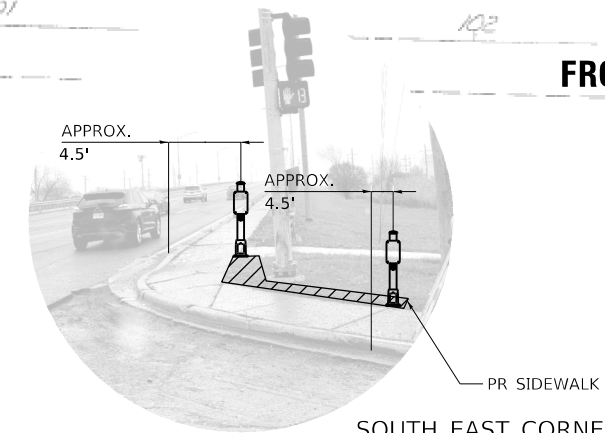
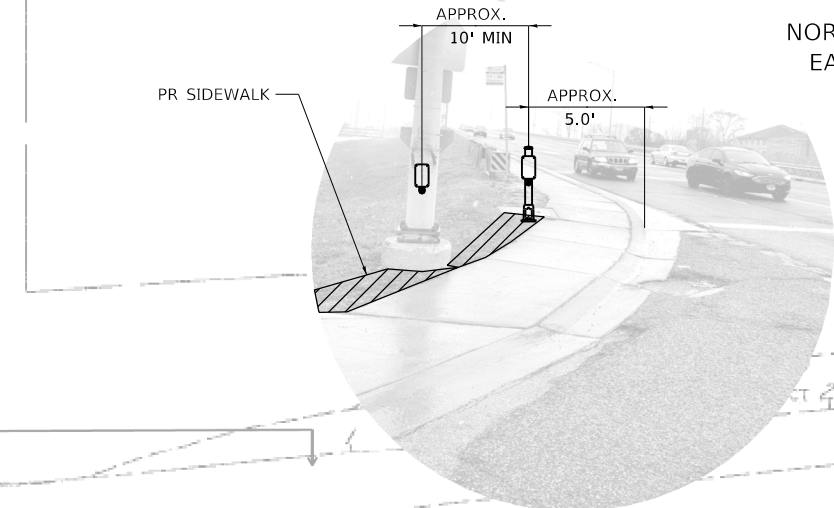
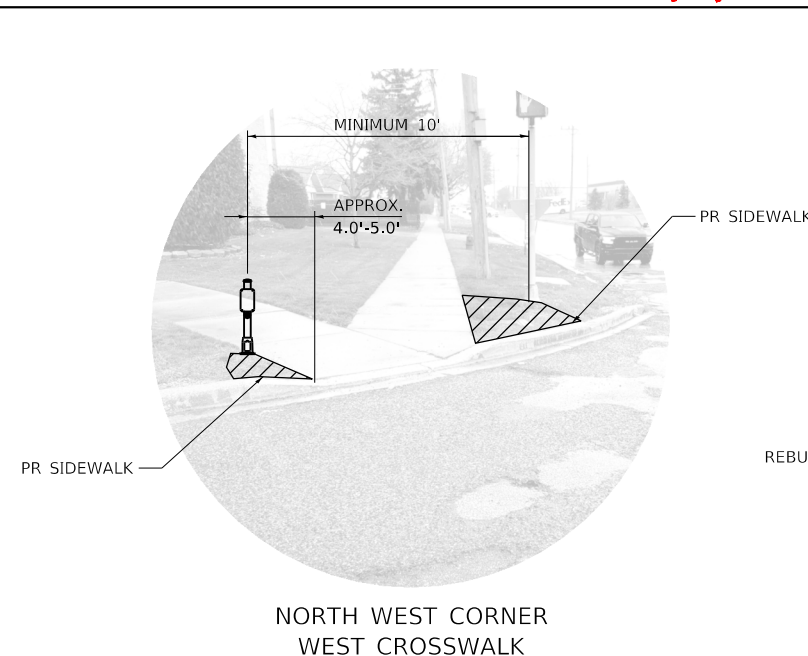
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	1
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6271	

REVISION 1 REVISED ENTIRE SHEET 5/30/2024

TS 10720

**NOTE:**

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.  
4 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. 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. 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.
12. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).



REVISD ENTIRE SHEET 5/30/2024



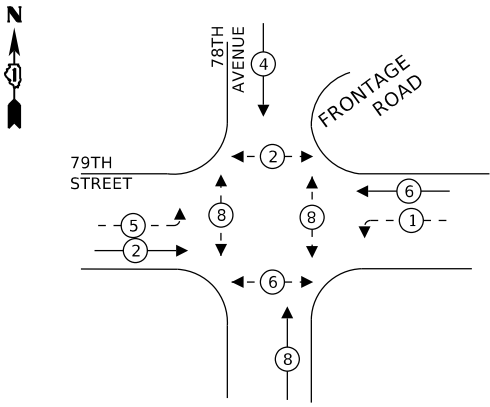
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN	
79TH STREET AT 78TH AVENUE	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62171	

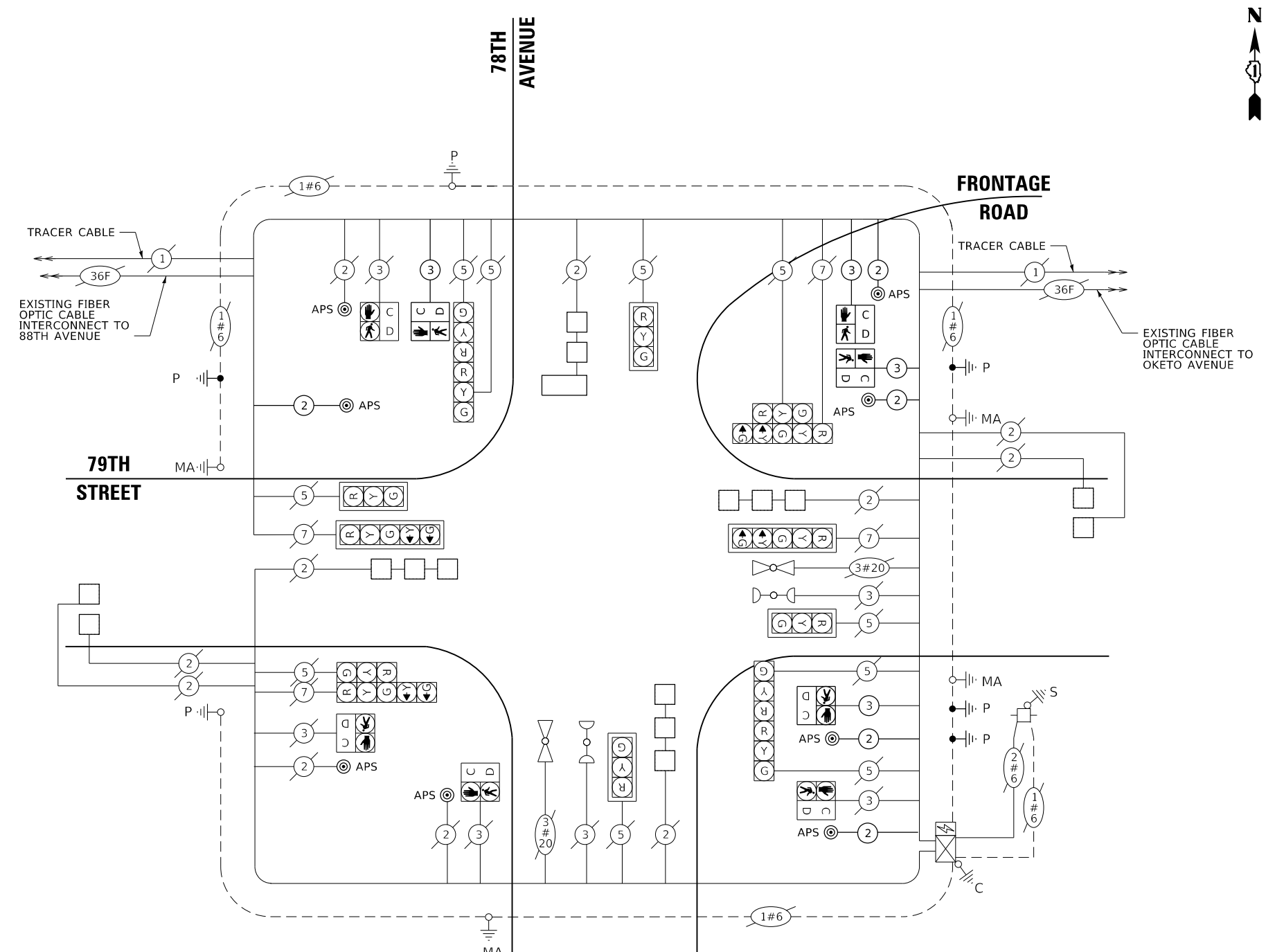
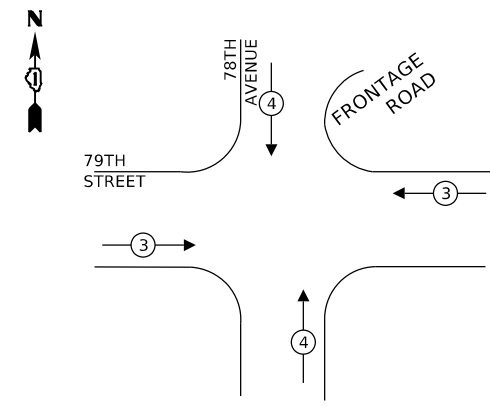
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
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	-	-	-	-
<b>TOTAL =</b>				<b>459.6</b>

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	35
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	650
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	890
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	55
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN DETECTOR LOOP, TYPE I	FOOT	554
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	50
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	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
INDUCTIVE LOOP DETECTOR	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1

ENERGY COSTS TO:  
**CITY OF BRIDGEVIEW**  
 7500 S OKETO AVE #3  
 BRIDGEVIEW, IL 60455  
 ENERGY SUPPLY: CONTACT: COMMWEATH EDISON  
 PHONE: 866-639-3532  
 COMPANY: COMMWEATH EDISON  
 ACCOUNT NUMBER: #17390-11030

**TS SHT NO. 12**

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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**79TH STREET AT 78TH AVENUE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	3
CONTRACT NO. 6271			ILLINOIS FED. AID PROJECT	

REVISD ENTIRE SHEET 5/30/2024

**TS 12760**



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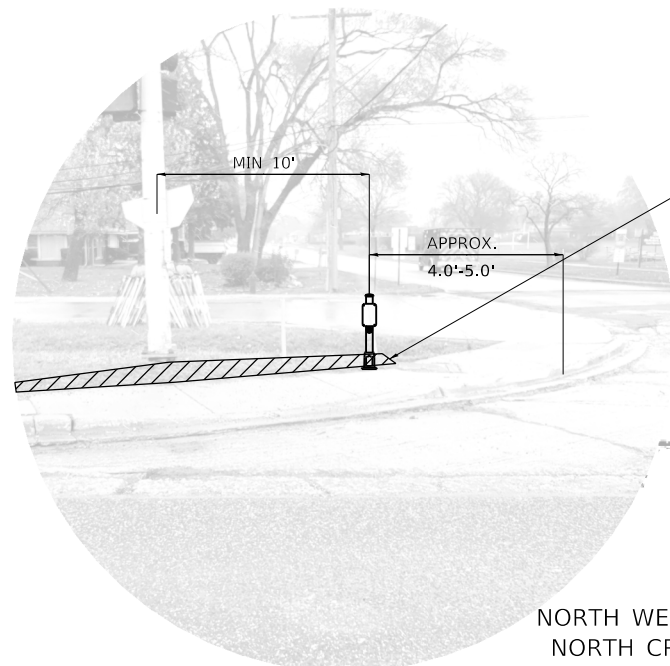
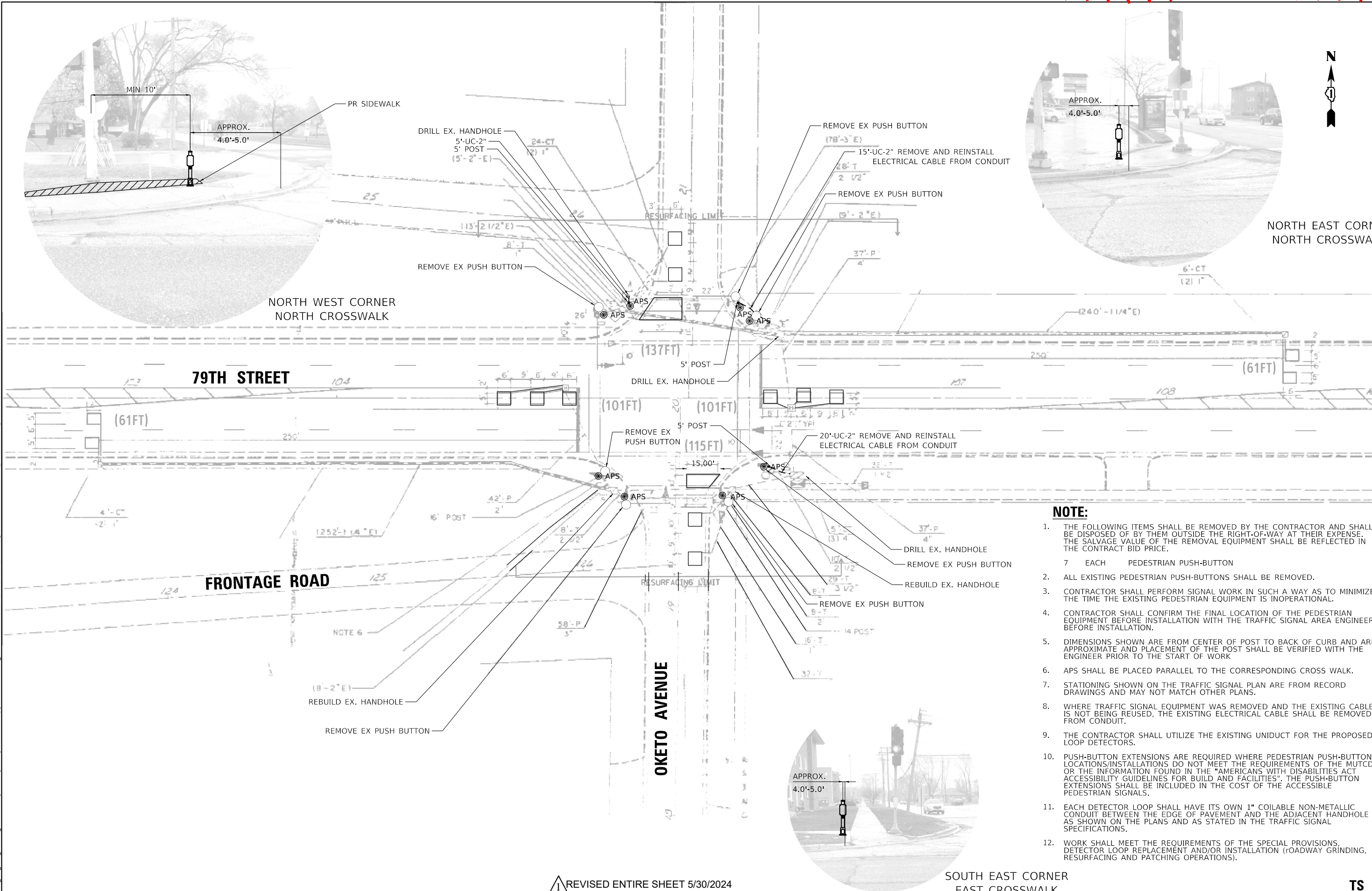
REVISD ENTIRE SHEET 5/30/2024

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

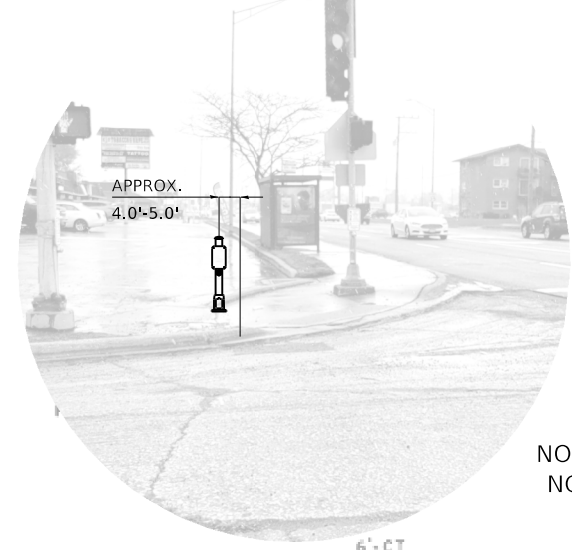
TRAFFIC SIGNAL MODERNIZATION PLAN  
79TH STREET AT OKETO AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

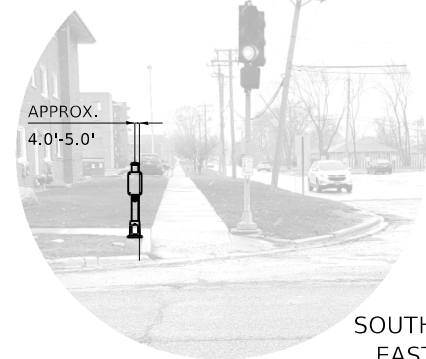
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	4
CONTRACT NO. 6271			ILLINOIS FED. AID PROJECT	



NORTH WEST CORNER  
NORTH CROSSWALK



NORTH EAST CORNER  
NORTH CROSSWALK



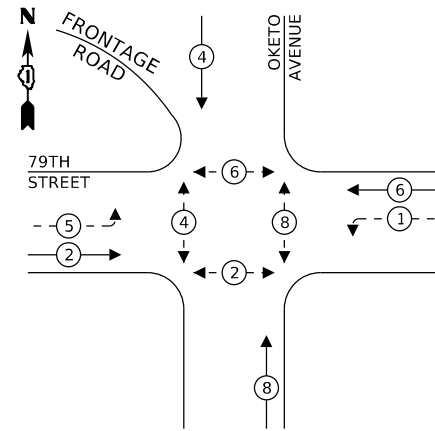
SOUTH EAST CORNER  
EAST CROSSWALK

**NOTE:**

- 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.
  - 7 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.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
- 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.
- 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.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).



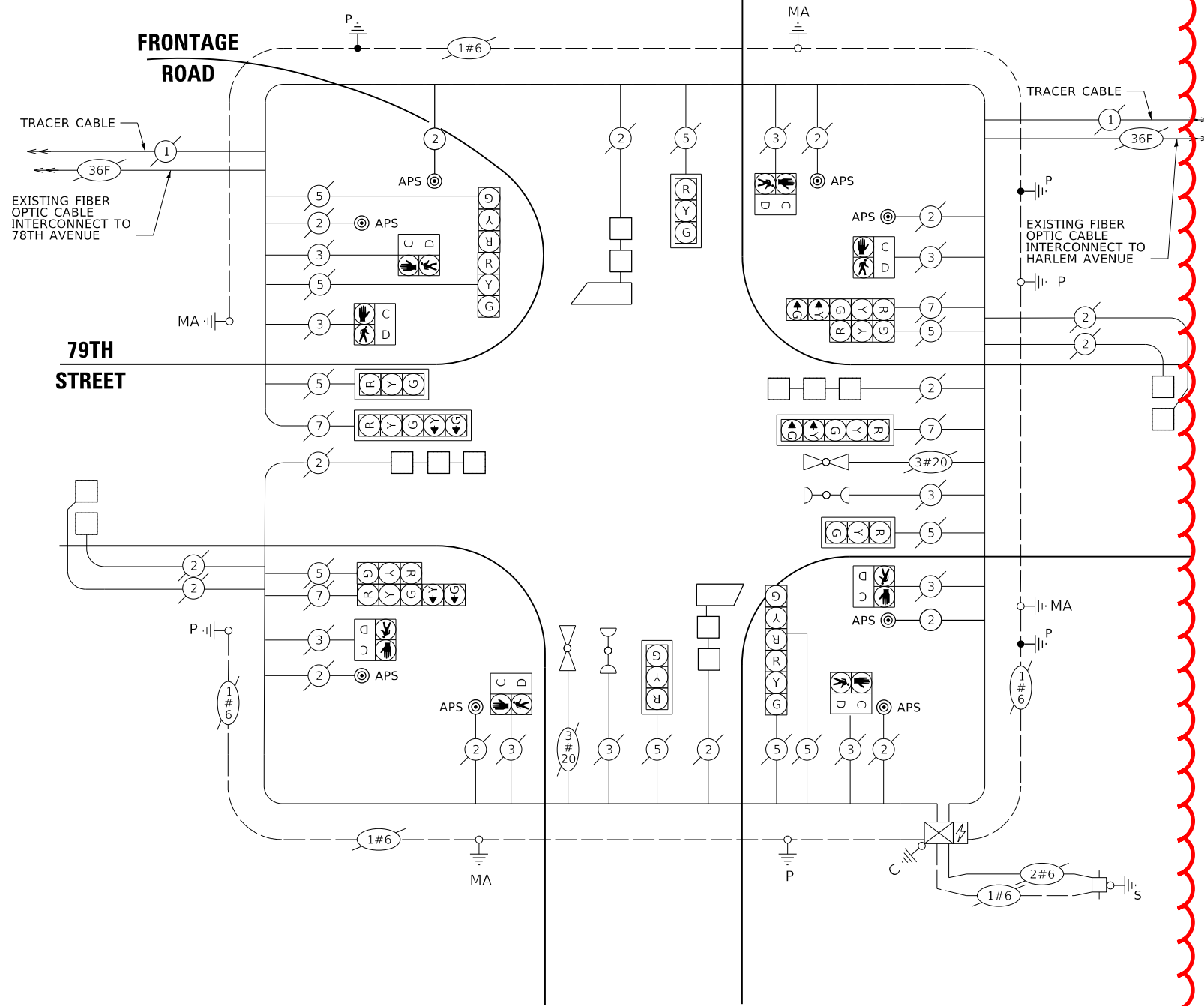
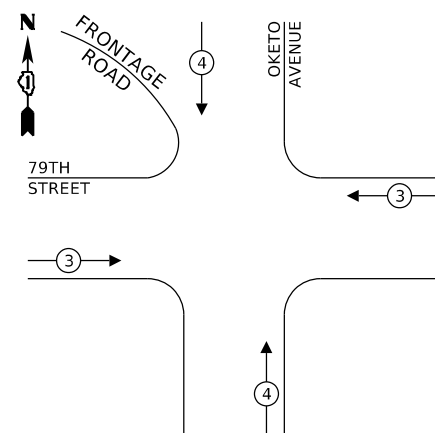
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	99.0
(YELLOW)	14	20	5	18.0
(GREEN)	14	12	45	97.2
PERMISSIVE ARROW	8	10	10	32.0
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	-	-	-	-
<b>TOTAL =</b>				<b>531.2</b>

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	40
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	210
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	576
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	130
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	40
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:  
**CITY OF BRIDGEVIEW**  
 7500 S OKETO AVE #3  
 BRIDGEVIEW, IL 60455  
 ENERGY SUPPLY: CONTACT: COMMONWEALTH EDISON  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: # 17390-11030

TS SHT NO. 14

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 CHECKED - BKS  
 DATE - 12/16/2022

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES  
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 79TH STREET AT OKETO AVENUE**

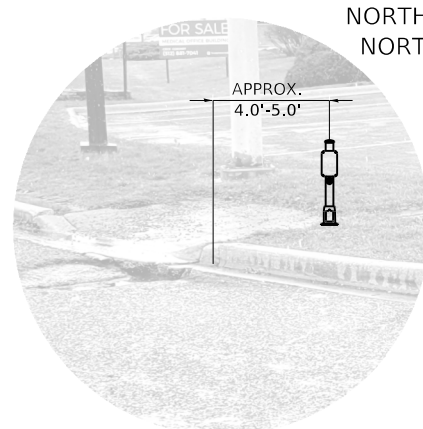
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	5
			CONTRACT NO. 6271	
		ILLINOIS FED. AID PROJECT		

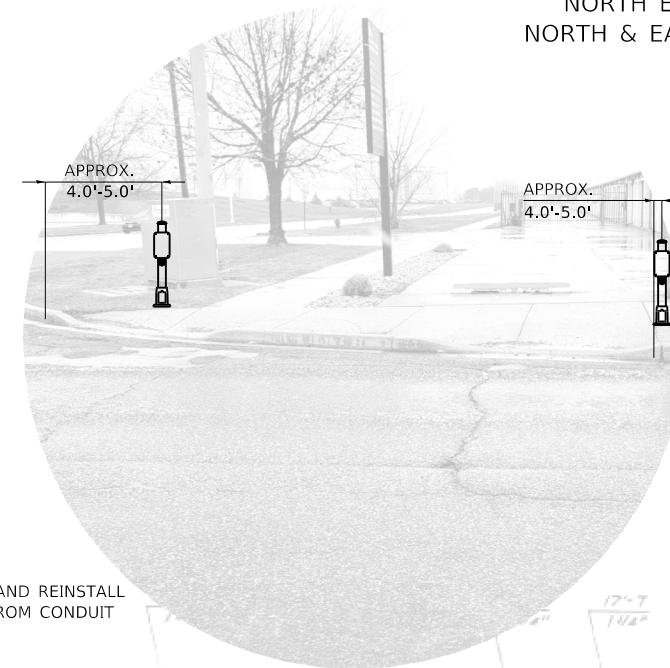
REVISD ENTIRE SHEET 5/30/2024

TS 12755

NORTH EAST CORNER  
NORTH & EAST CROSSWALK



NORTH WEST CORNER  
NORTH CROSSWALK



APPROX.  
4.0'-5.0'

APPROX.  
4.0'-5.0'

RESURFACING LIMIT

REBUILD EXISING HANDHOLE  
DRILL EX. HANDHOLE  
5'-UC-2"  
5' POST

DRILL EX.  
HANDHOLE (2)

5'-UC-2"

20'-UC-2" - REMOVE AND REINSTALL  
ELECTRICAL CABLE FROM CONDUIT

5' POST

REMOVE EX PEDESTRIAN PUSHBUTTON

79TH STREET

(173FT)

(95FT)

(67FT)

(95FT)

(67FT)

(72FT)

REMOVE EX PEDESTRIAN PUSHBUTTON

**NOTE:**

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.
2. EACH PEDESTRIAN PUSH-BUTTON
3. ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
4. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.
5. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
6. 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
7. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
8. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
9. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
10. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
11. 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.
12. 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.
13. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).

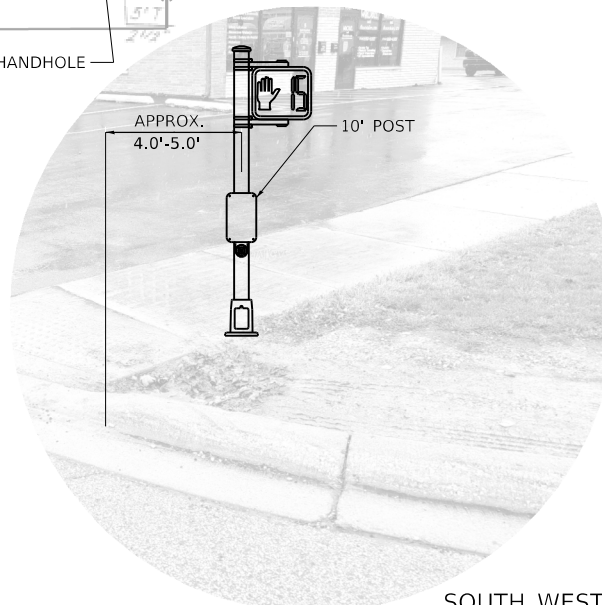
DRILL EX. HANDHOLE

10' POST

RESURFACING LIMIT

DRILL EX. HANDHOLE

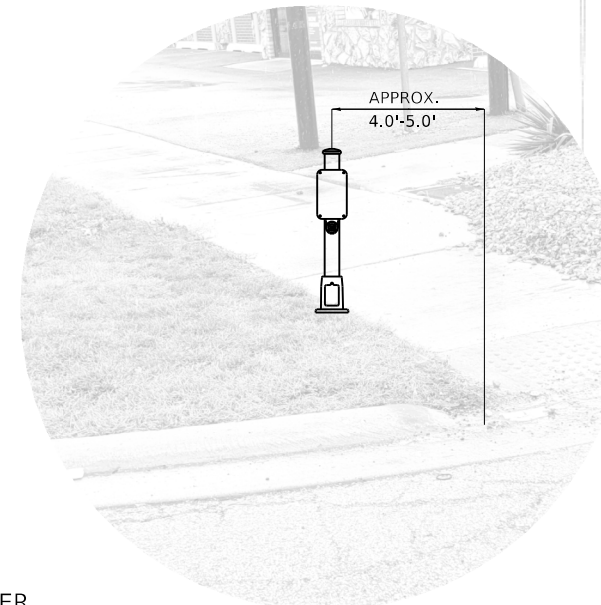
SAYRE AVENUE



APPROX.  
4.0'-5.0'

10' POST

SOUTH EAST CORNER  
SOUTH CROSSWALK



APPROX.  
4.0'-5.0'

SOUTH WEST CORNER  
SOUTH CROSSWALK

REVISD ENTIRE SHEET 5/30/2024

TS 3895

TS SHT NO. 15

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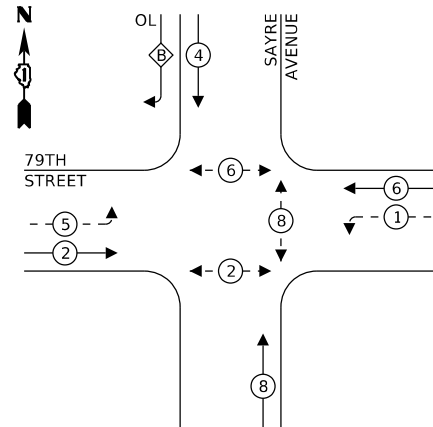
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
79TH STREET AT SAYRE AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	6
CONTRACT NO. 62471			ILLINOIS FED. AID PROJECT	

**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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

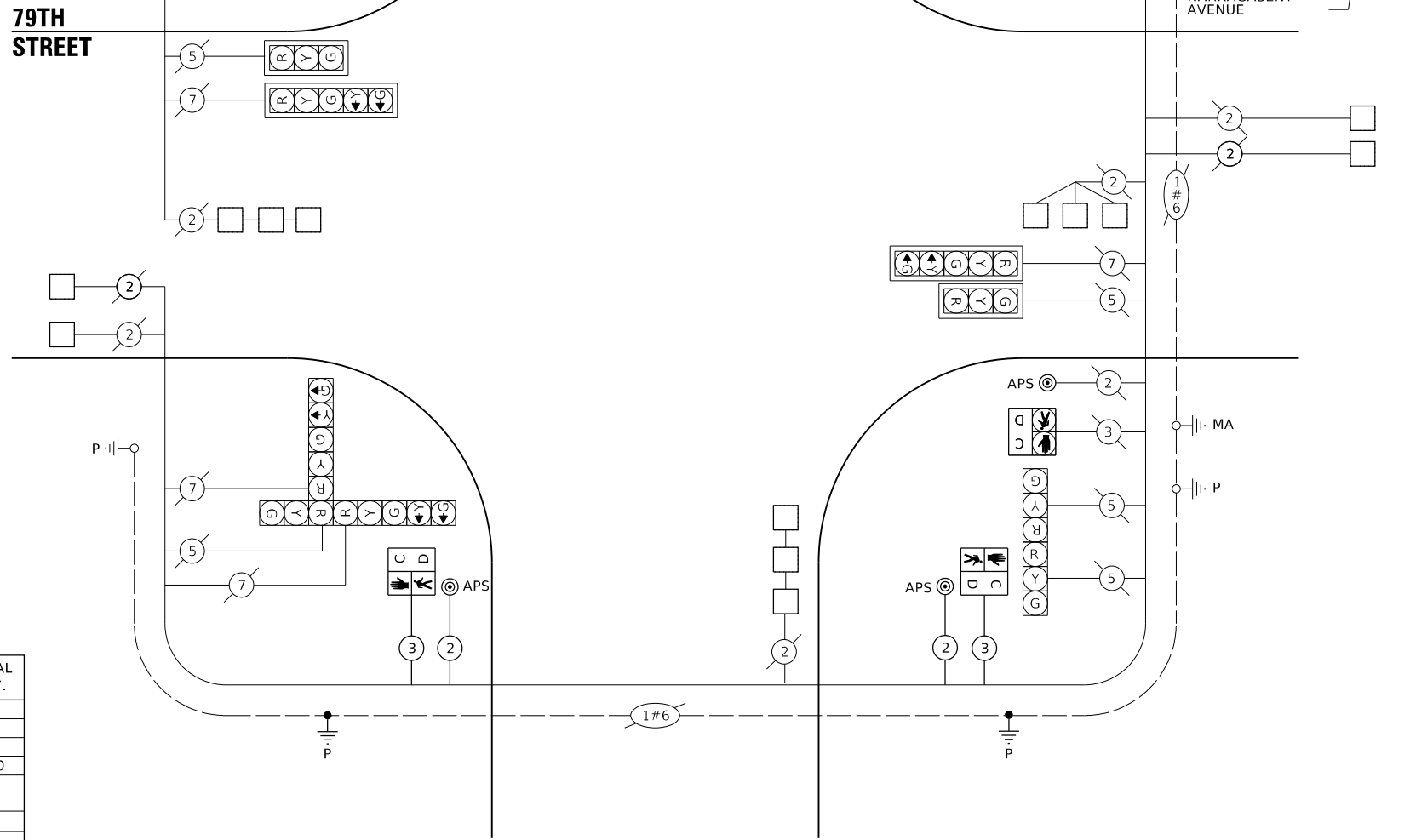
**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 8	+ 5

TRACER CABLE  
EXISTING FIBER OPTIC CABLE INTERCONNECT TO HARLEM AVENUE

**79TH STREET**

**SAYRE AVENUE**



**CABLE PLAN**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	6	20	100	120.0
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	-	-	-	-
<b>TOTAL =</b>				<b>423.6</b>

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	95
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	680
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1130
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	135
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	569
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	60
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1

ENERGY COSTS TO:  
**CITY OF BRIDGEVIEW**  
 7500 S OKETO AVE #3  
 BRIDGEVIEW, IL 60455  
 ENERGY SUPPLY: CONTACT: COMMONWEALTH EDISON  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: #17390-11030

**TS SHT NO. 16**

REVISED ENTIRE SHEET 5/30/2024

**TS 3845**



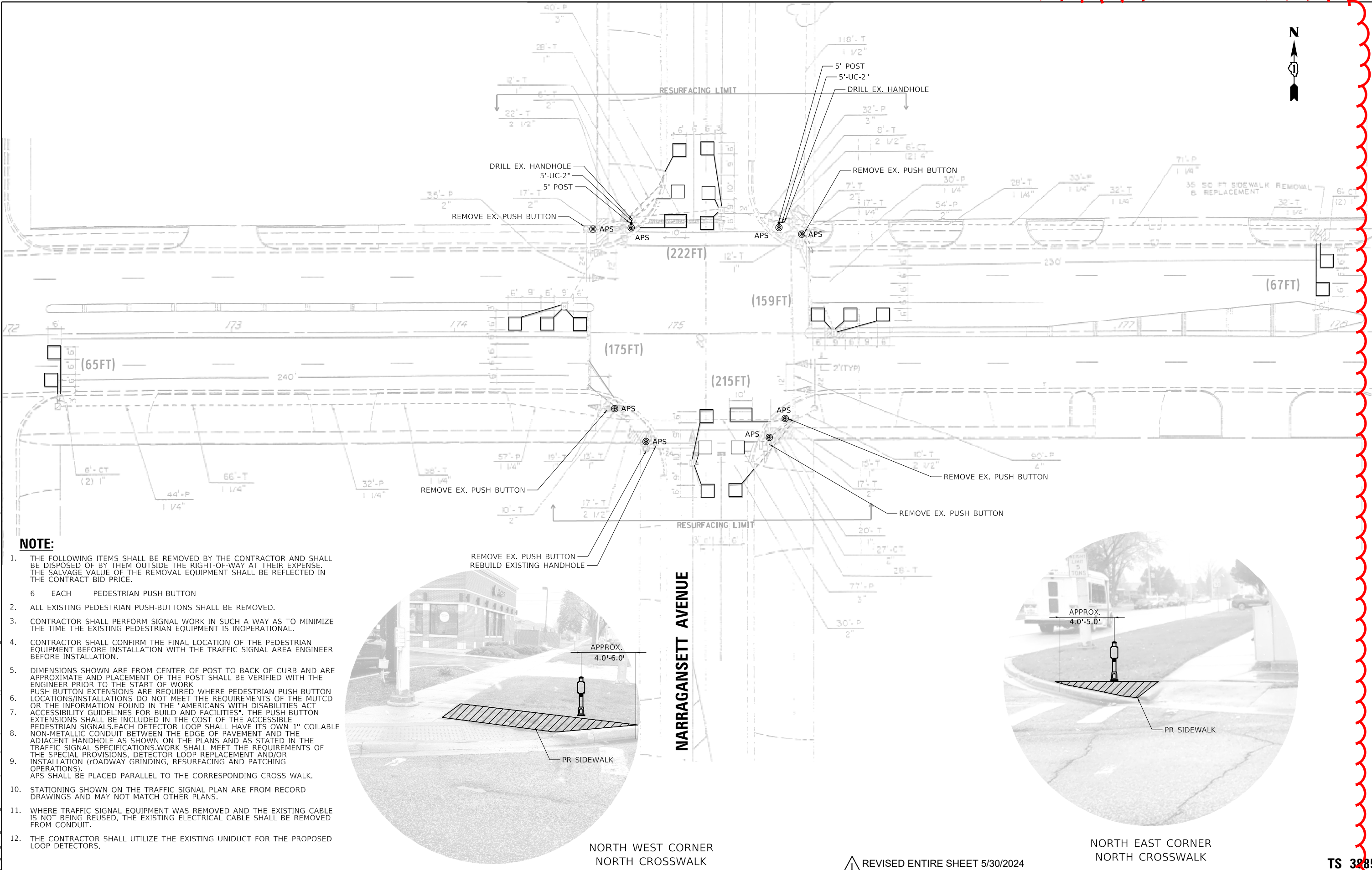
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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES  
 79TH STREET AT SAYRE AVENUE**

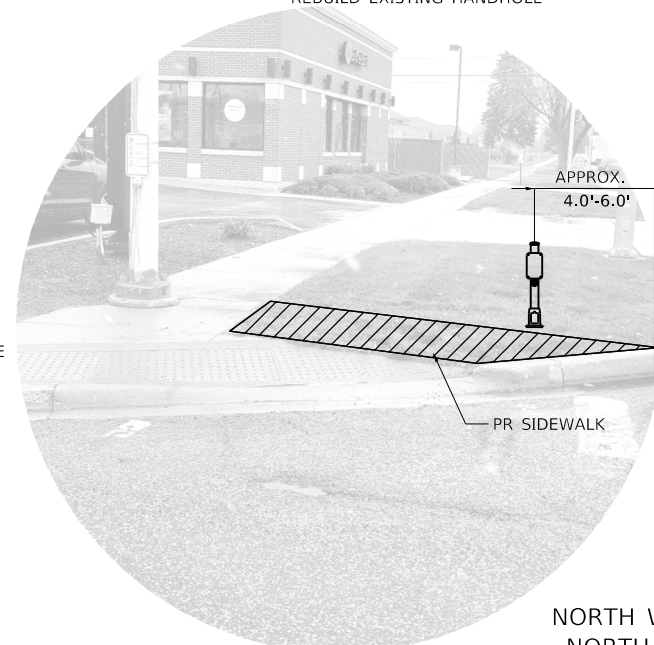
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	17
				CONTRACT NO. 6271
ILLINOIS FED. AID PROJECT				

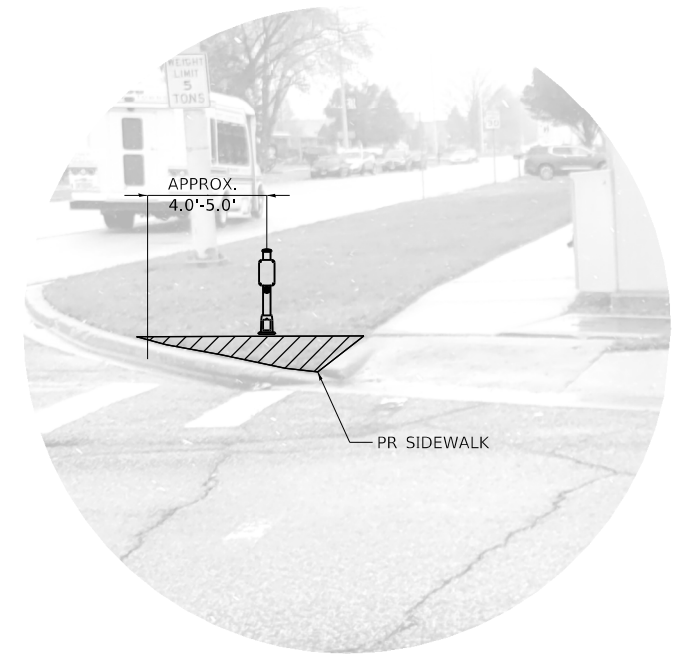


**NOTE:**

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. 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. 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. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS). APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.
10. STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND MAY NOT MATCH OTHER PLANS.
11. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
12. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.



NORTH WEST CORNER  
NORTH CROSSWALK



NORTH EAST CORNER  
NORTH CROSSWALK



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

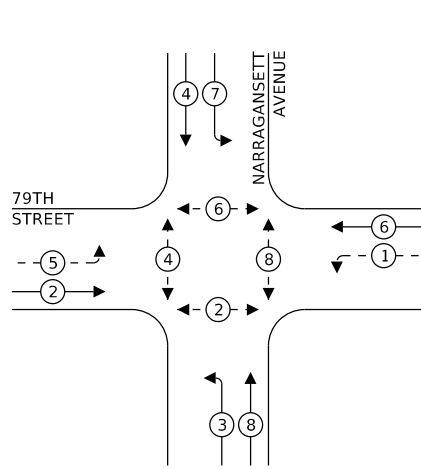
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TRAFFIC SIGNAL MODERNIZATION PLAN  
79TH STREET AT NARRAGANSETT AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62171	

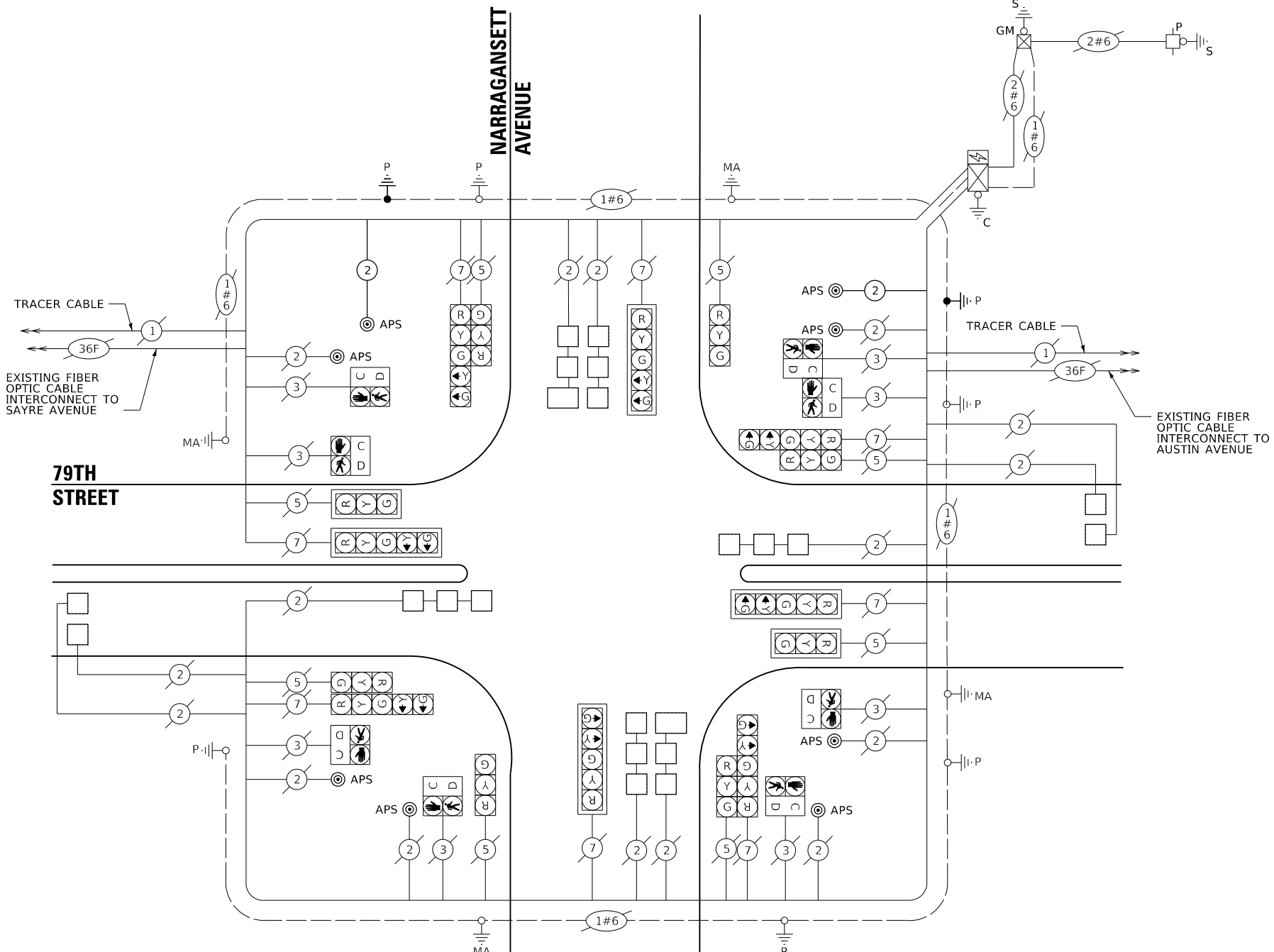
**EXISTING CONTROLLER SEQUENCE**



**EXISTING PHASE DESIGNATION DIAGRAM**

**LEGEND:**

- ⊙ \* — PROTECTED PHASE
- ⊙ \* - - PROTECTED/PERMITTED PHASE
- ⊙ \* —▶ PEDESTRIAN PHASE
- ⊙ \* —▶ OL OVERLAP



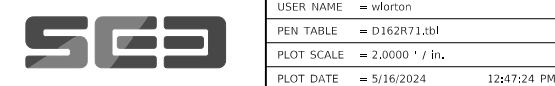
**CABLE PLAN**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	32	10	10	32.0
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	-	-	-	-
<b>TOTAL =</b>				<b>531.2</b>

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	160
ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	20
GROUNDING CONDUCTOR, NO. 6 1C	FOOT	20
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	903
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1

ENERGY COSTS TO:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 CENTER CT  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY: CONTACT: COMMONWEATH EDISON  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEATH EDISON  
 ACCOUNT NUMBER: # 21331-35398



USER NAME	DESIGNED	REVISION	DATE
wlorton	DWB	-	-
D162R71.tbl	MMC	-	-
2.0000' / in.	BKS	-	-
5/16/2024	-	-	12/16/2022

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES**  
 79TH STREET AT NARRAGANSETT AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1548/1549 22	RESURFACE	COOK	76	19
CONTRACT NO. 62471				

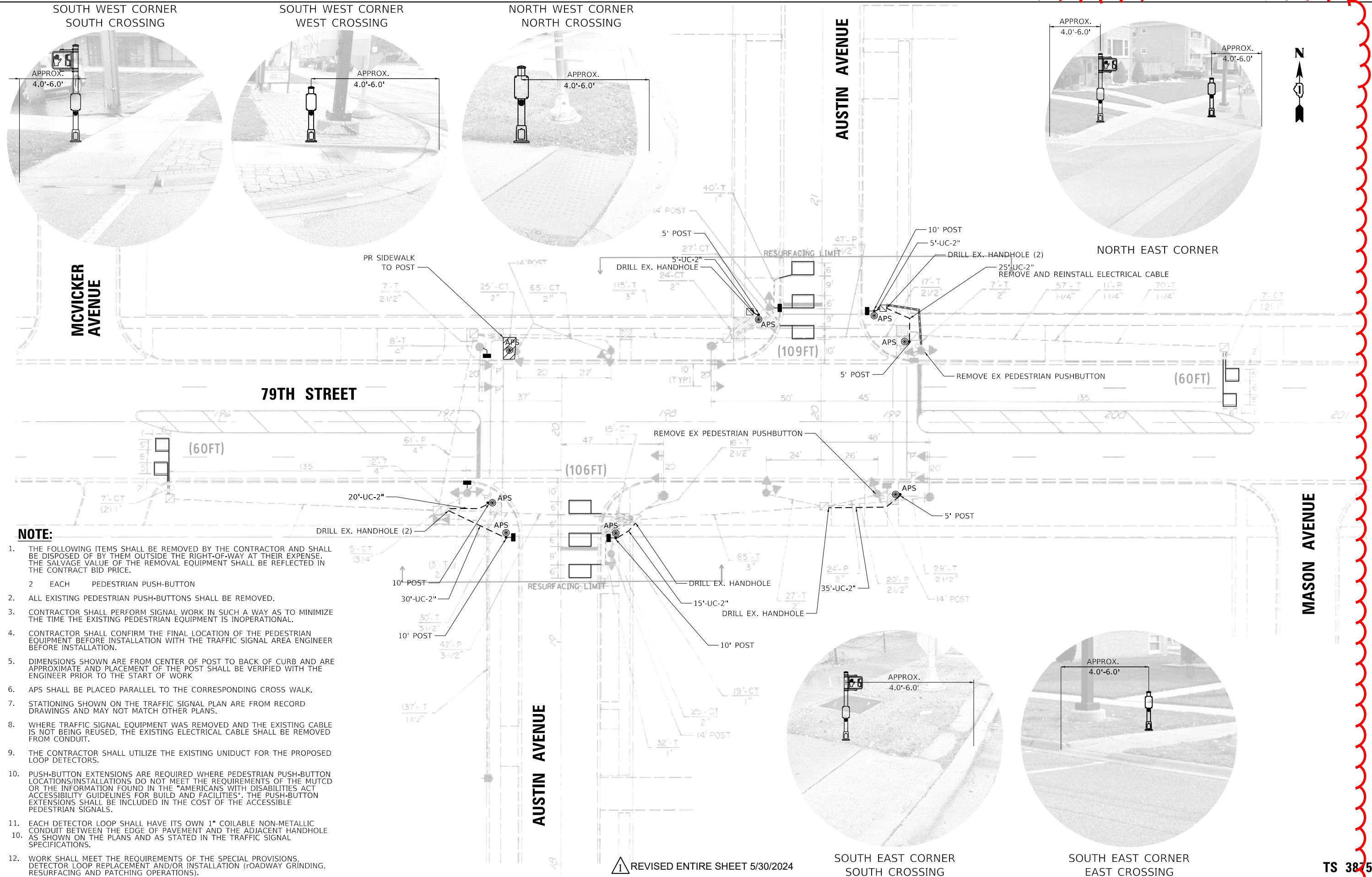
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TS 3885

TS SHT NO. 18

MODEL: D:\sht\18... FILE NAME: PLOT\_209\_002\_IDOT\_PTB\_173\_12\_Traffic\_Signal\_Design\Drawings\16.APS\_Upgrade\CADD\CADD\_Sheets\62R71-CablePlan-79thAtNarragansett.dgn

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**NOTE:**

- 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.
- 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.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
- 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.
- 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.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).

REVISD ENTIRE SHEET 5/30/2024



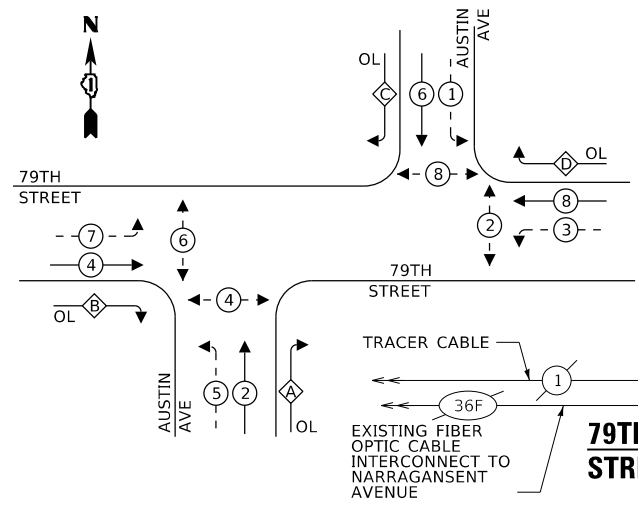
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PLOT DATE = 5/16/2024 12:47:32 PM	DATE - 12/16/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN	
79TH STREET AT AUSTIN AVENUE	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6271	

**PROPOSED CONTROLLER SEQUENCE**



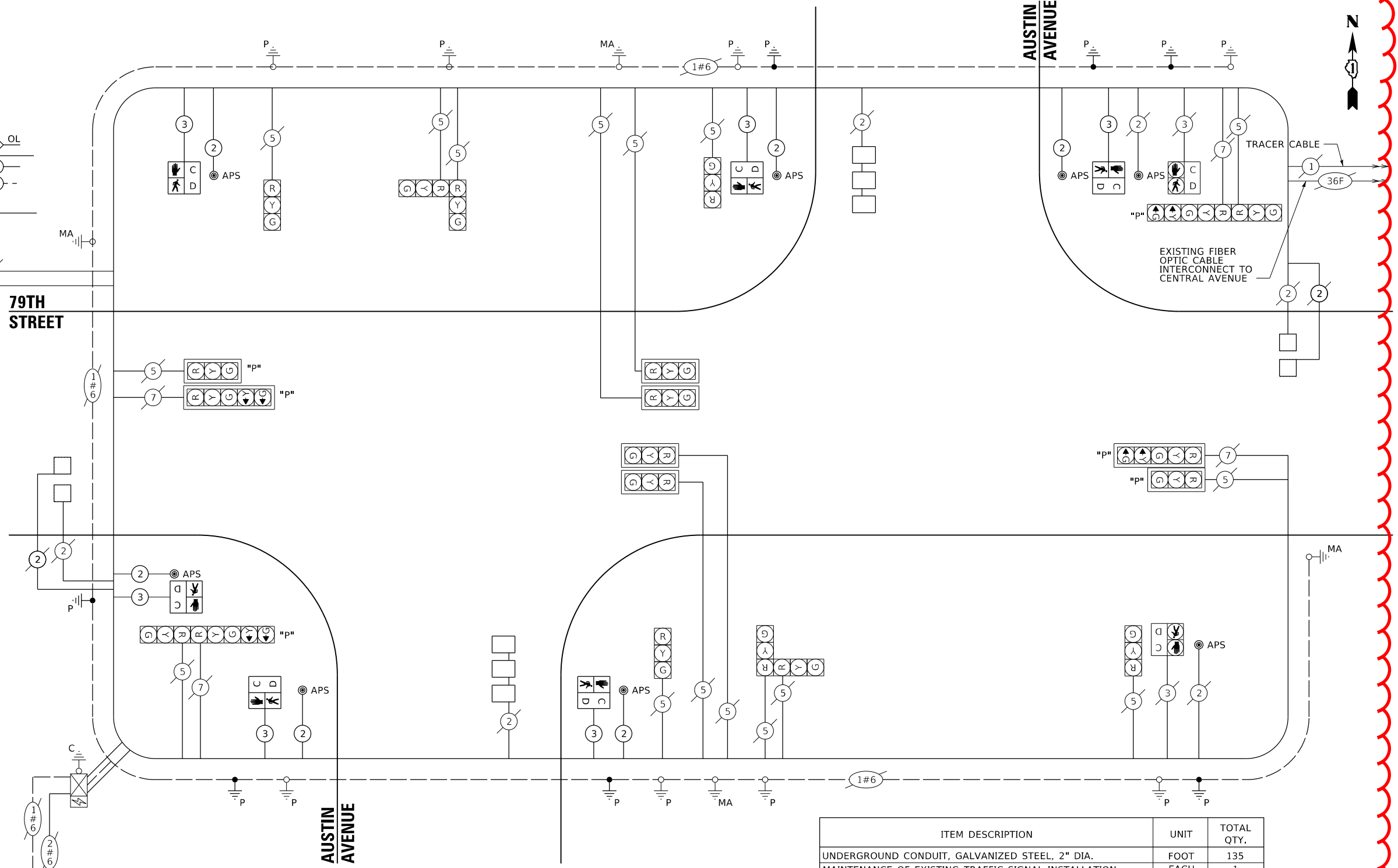
**LEGEND:**

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

**RIGHT TURN OVERLAP**

**PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2 +	3
B	4 +	5
C	6 +	7
D	8 +	1



**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	135
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	620
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	732
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	200
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN	EACH	6
DETECTOR LOOP, TYPE I	FOOT	335
MODIFY EXISTING CONTROLLER CABINET	FOOT	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	EACH	80
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	8	10	10	16.0
PED. SIGNAL	6	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	-	-	-	-
<b>TOTAL =</b>				<b>539.0</b>

ENERGY COSTS TO:  
**CITY OF BURBANK**  
 6530 W 79TH ST #2  
 BURBANK, IL 60459  
 ENERGY SUPPLY: CONTACT: COMMONWEALTH EDISON  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: #19210-46023

TS SHT NO. 20

REVISD ENTIRE SHEET 5/30/2024



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES**  
**79TH STREET AT AUSTIN AVENUE**

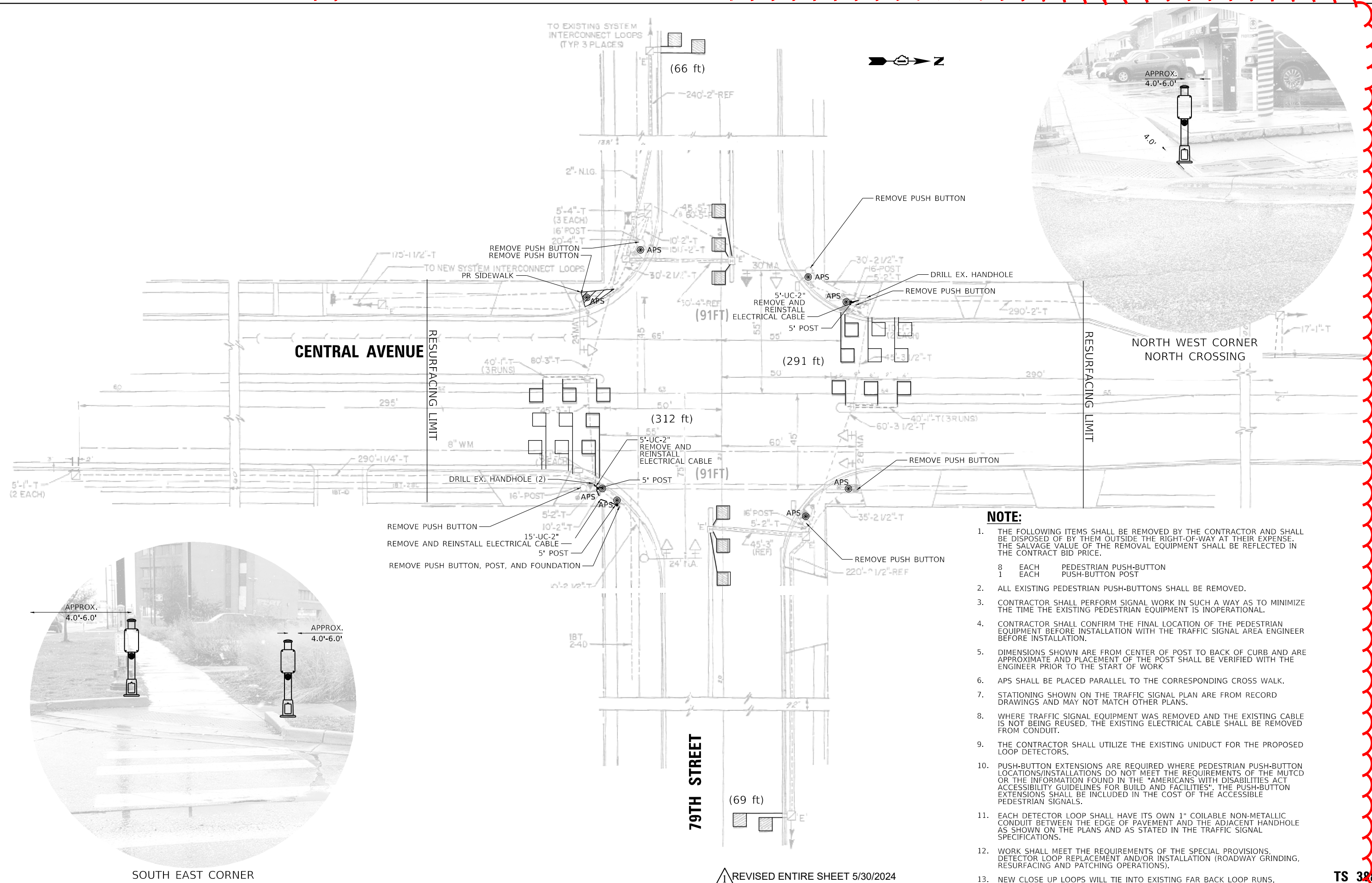
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	1
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6271	

**TS 3875**

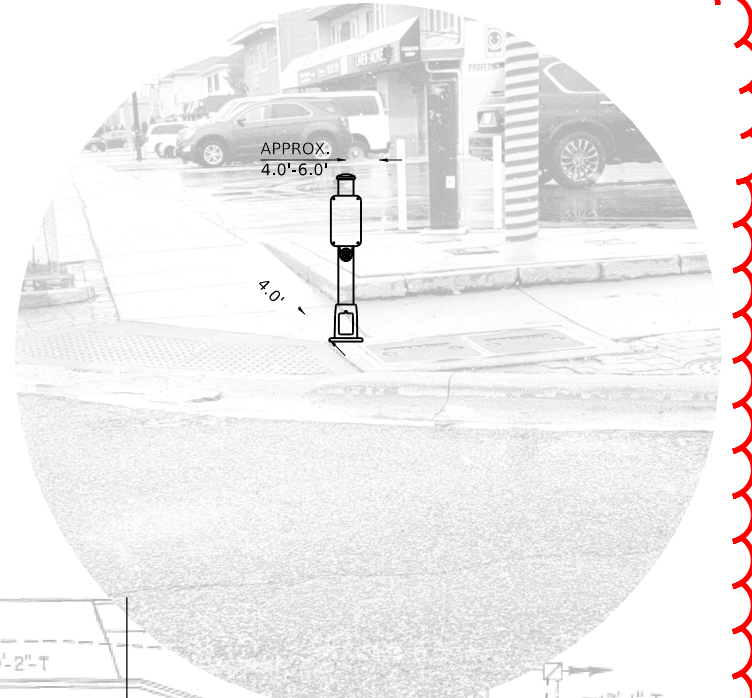






**NOTE:**

- 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  
 1 EACH PUSH-BUTTON POST
- 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
- APPS 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.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
- 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.
- 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.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
- NEW CLOSE UP LOOPS WILL TIE INTO EXISTING FAR BACK LOOP RUNS.



REVISD ENTIRE SHEET 5/30/2024



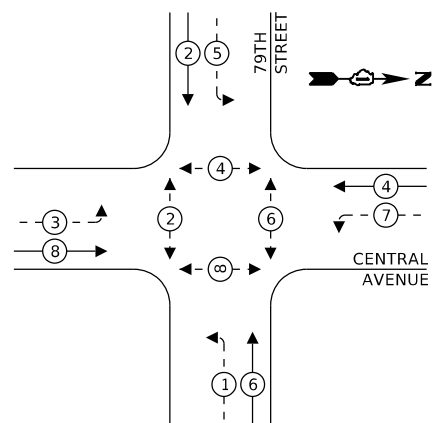
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN	
79TH STREET AT CENTRAL AVENUE	
SCALE:	SHEET OF SHEETS STA. TO STA.

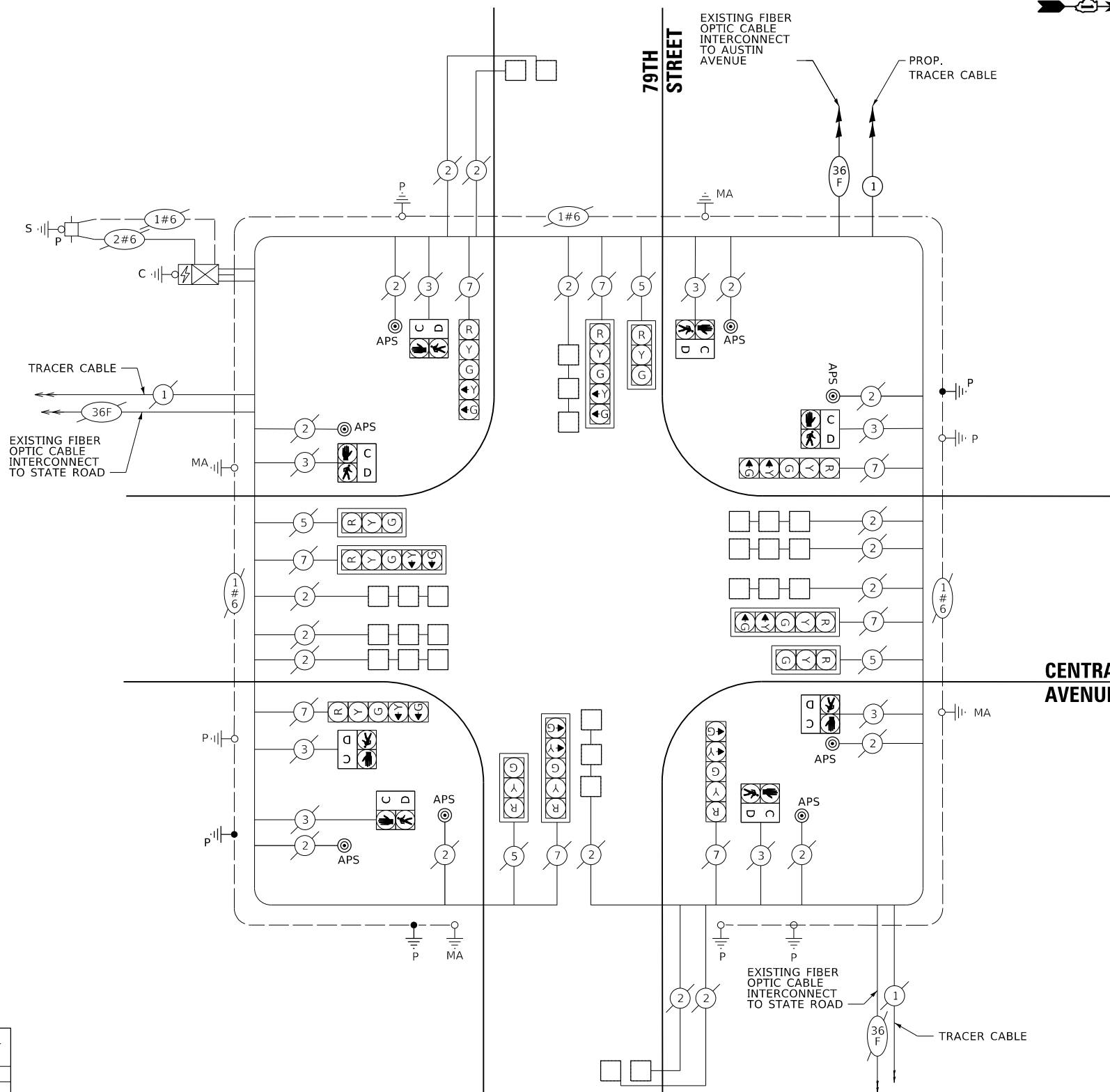
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62271	

**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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



**CABLE PLAN**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	32	10	10	32.0
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	-	-	-	-
<b>TOTAL =</b>				<b>531.2</b>

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	920
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	80
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:

**CITY OF BURBANK**  
6530 W 79TH #2  
BURBANK, IL 60459

ENERGY SUPPLY: CONTACT: --  
PHONE: --  
COMPANY: COMMONWEATH EDISON  
ACCOUNT NUMBER: #19210-46023

TS SHT NO. 23

MODEL: D:\sht\... FILE NAME: PLOT2\_209\_002\_IDOT\_PTB\_173\_12\_Traffic\_Signal\_Signal\_Design\W016\APS\_Upgrade\CADD\CADD\_Sheets\02R71\_CablePlan-79THatCENTRAL.dgn



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

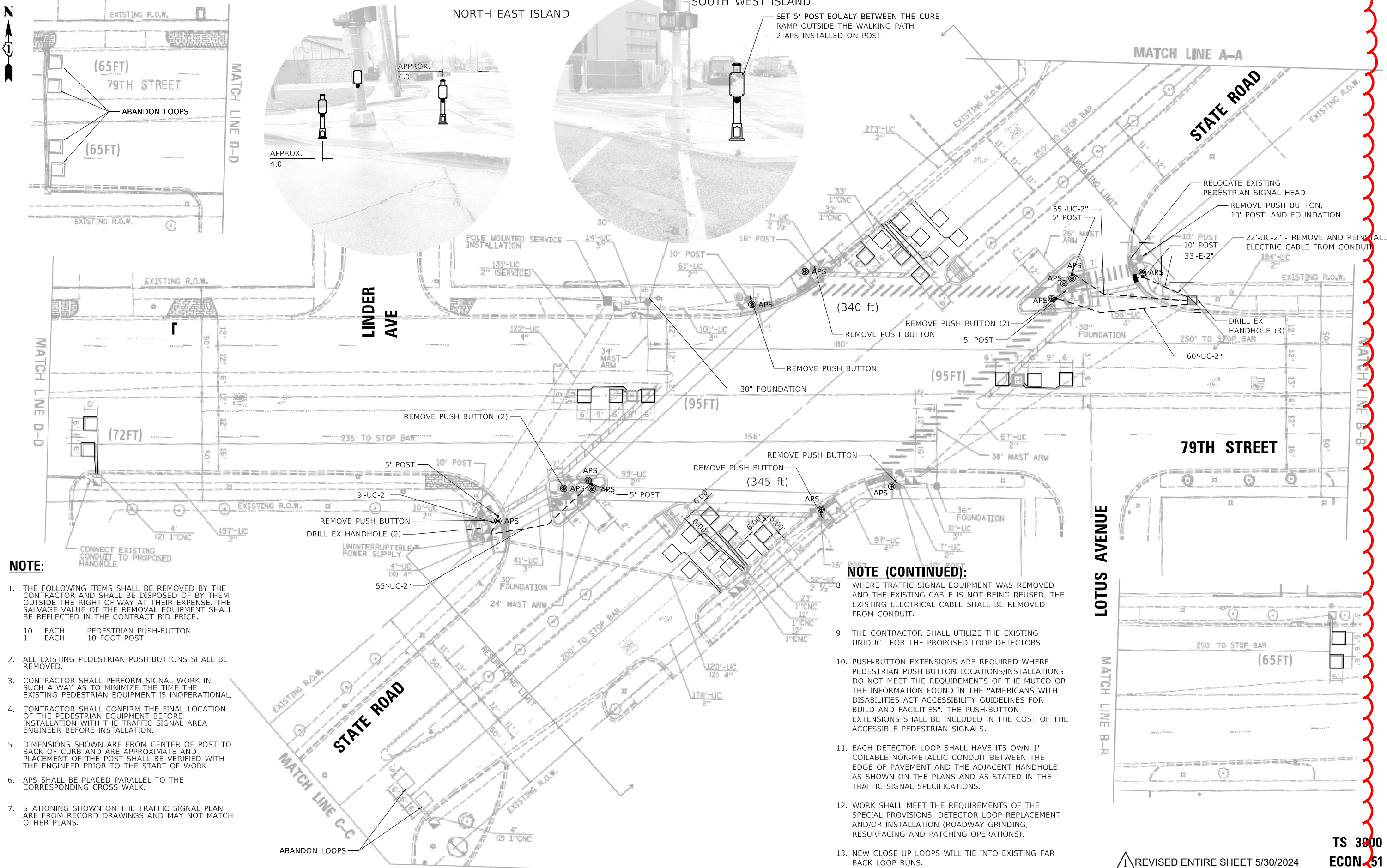
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES  
79TH STREET AT CENTRAL AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62171	

REVISIONS: 1 REVISED ENTIRE SHEET 5/30/2024

**TS 3680  
ECON 51**



**NOTE:**

- 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.  
 10 EACH PEDESTRIAN PUSH-BUTTON  
 1 EACH 10 FOOT POST
- 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.

**NOTE (CONTINUED):**

- WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
- 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.
- 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.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
- NEW CLOSE UP LOOPS WILL TIE INTO EXISTING FAR BACK LOOP RUNS.



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
 79TH STREET AT STATE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

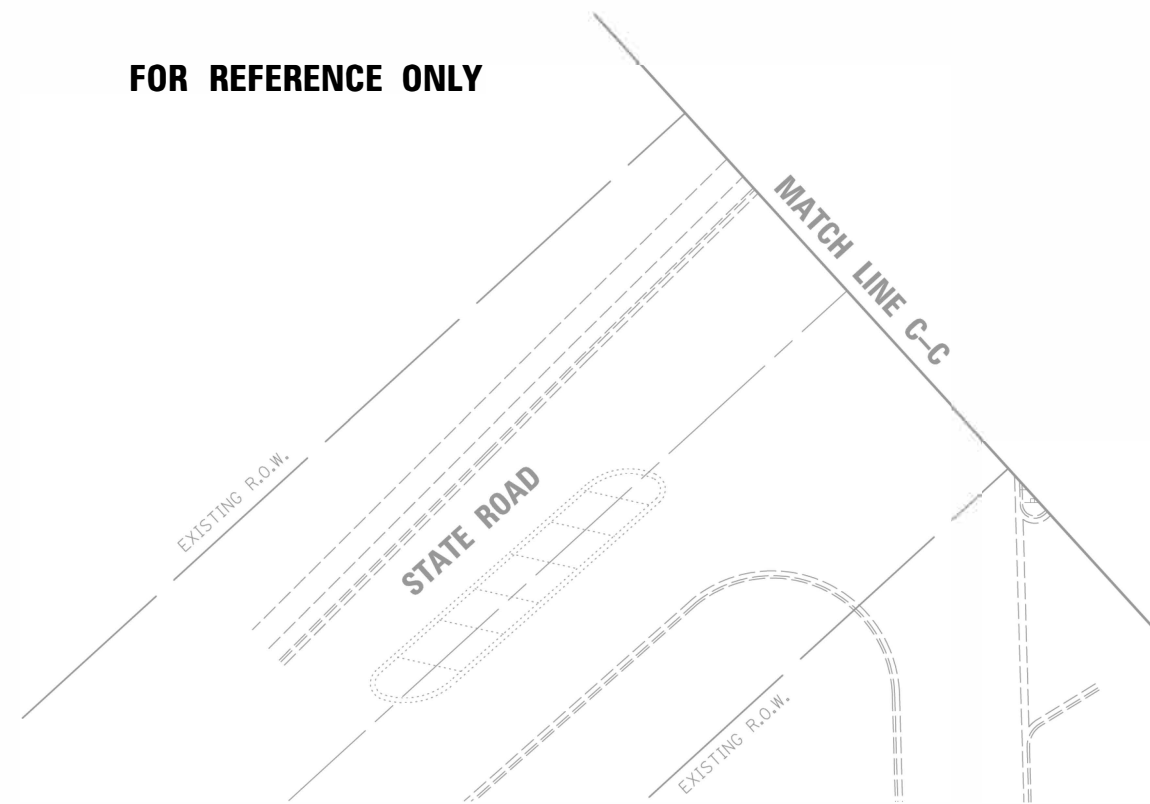
REVISD ENTIRE SHEET 5/30/2024

TS 3800  
 ECON 51

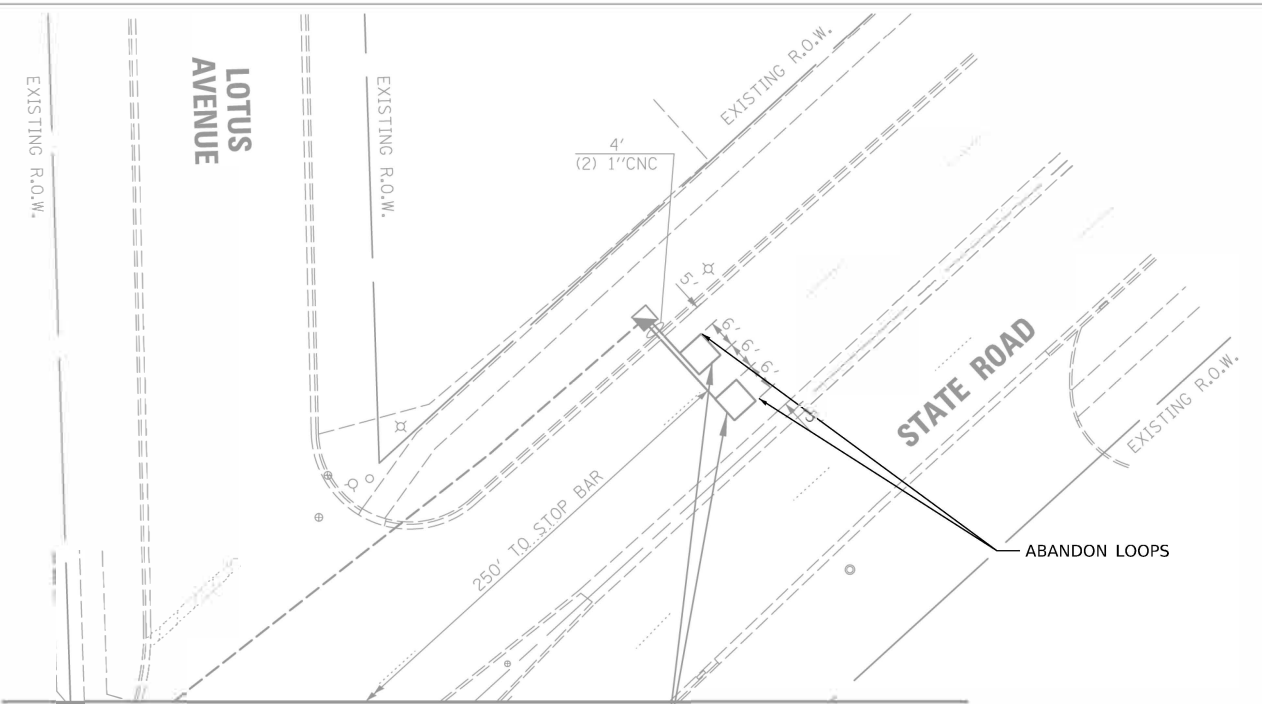
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	55
			CONTRACT NO. 6271	
		ILLINOIS FED. AID PROJECT		



FOR REFERENCE ONLY



MATCH LINE A-A  
FOR REFERENCE ONLY



TS SHT NO. 25

MODEL: M02L000000000000  
FILE NUMBER: 312121



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
79TH STREET AT STATE ROAD

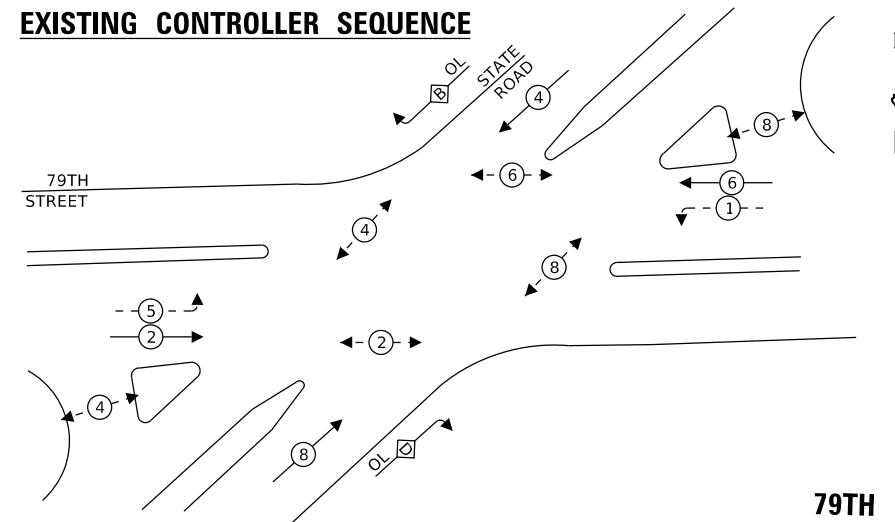
SCALE: SHEET OF SHEETS STA. TO STA.

REVISED ENTIRE SHEET 5/30/2024

TS 3800  
ECON 51

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V.A.R. 1548/1549 22 RESURFACE		COOK	76	55A
			CONTRACT NO. 62001	
		ILLINOIS	FED. AID PROJECT	\$FEDAIDPROJ\$

**EXISTING CONTROLLER SEQUENCE**

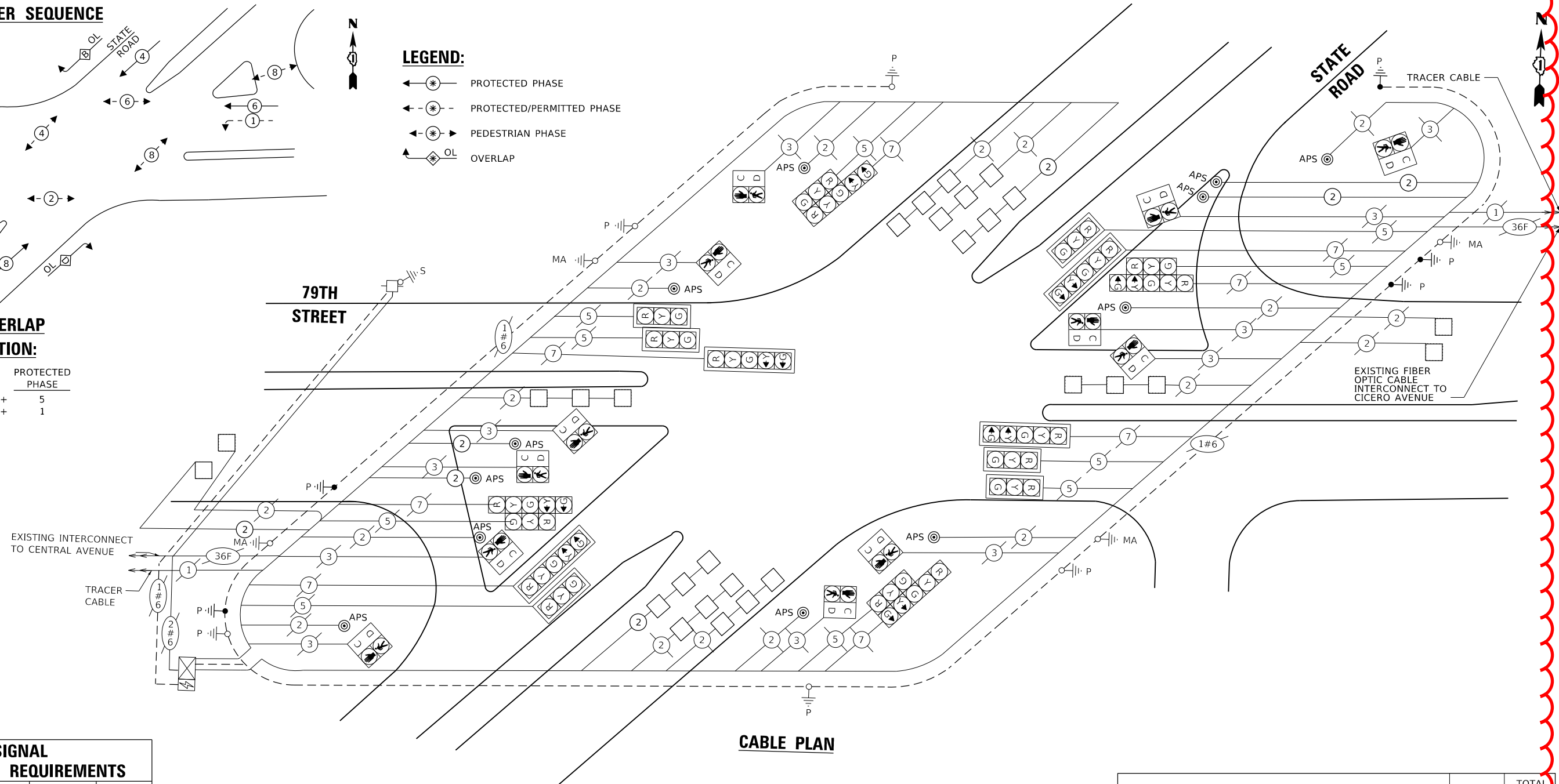


**LEGEND:**

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

**RIGHT TURN OVERLAP  
PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1



**CABLE PLAN**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	12	20	100	240.0
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	-	-	-	-
<b>TOTAL =</b>				<b>595.2</b>

ENERGY COSTS TO:

ENERGY SUPPLY: CONTACT: COMMONWEATH EDISON  
PHONE: 866-639-3532  
COMPANY: COMMONWEATH EDISON  
ACCOUNT NUMBER: ---

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	201
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1162
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	270
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	1012
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1013
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	90
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN TRAFFIC SIGNAL POST, 5FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1

TS SHT NO. 26

MODEL: D:\sht\26\12\Traffic\_Signal\_Design\Doc\Drawings\APS\_Upgrade\CADD\CADD\_Sheets\6271\_CablePlan\TS3900-79TH\STATE.EDD.dgn



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES  
79TH STREET AT STATE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIES	1548/1549 22 RESURFACE	COOK	76	66
			CONTRACT NO. 6271	
		ILLINOIS FED. AID PROJECT		

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

TS 3900  
ECON 51