

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

2	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	TOTAL SHEET NO.
	350	FAP 0350 23 SMART1	COOK	45	1
	ILLINOIS		CONTRACT NO. 62V54		
* 45 + 10 = 55 TOTAL SHEETS					
** 55 + 2 = 57 TOTAL SHEETS					

D-91-032-24

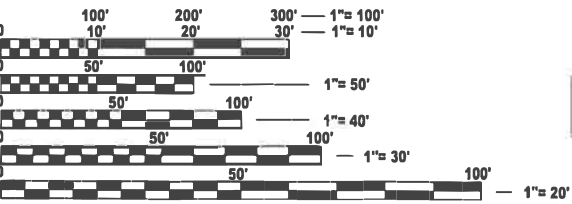
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF SKOKIE

TRAFFIC DATA:
POSTED SPEED LIMIT - 40 MPH
2023 ADT - 21,000

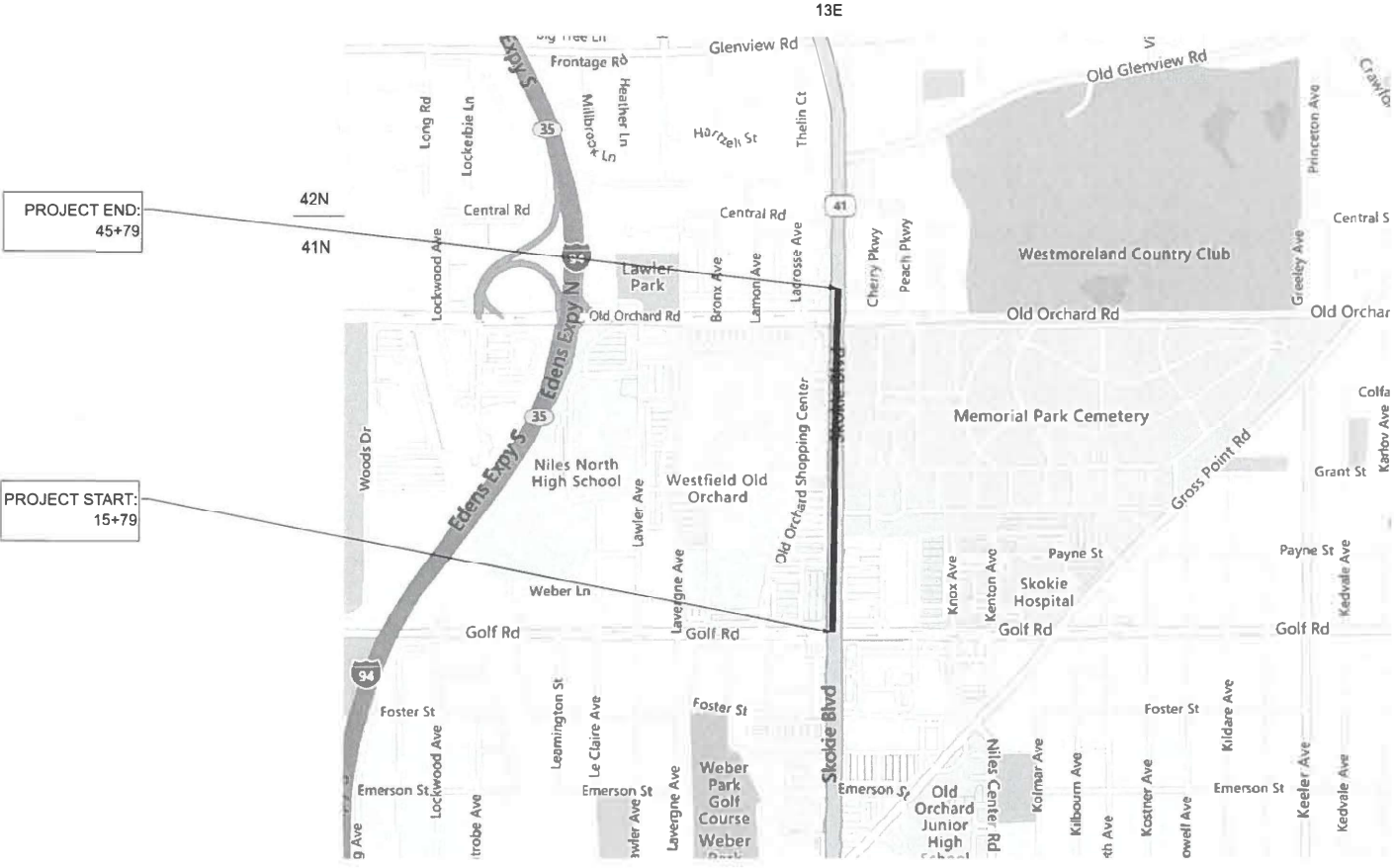
**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 350: U.S. ROUTE 41 (SKOKIE BLVD)
SOUTH OF OLD GLENVIEW RD. TO NORTH OF GOLF RD.
SECTION FAP 0350 23 SMART1
PROJECT NHPP-X3TL(656)
SMART OVERLAY, ADA IMPROVEMENTS
COOK COUNTY

C-91-037-24



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

CONTRACT NO. 62V54

NILES TOWNSHIP
GROSS AND NET LENGTH = 3,000 FT. = 0.57 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 29th 2025
[Signature] REGIONAL ENGINEER

March 21, 2025
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 2025
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

2 REVISED SHEET 4/15/2025

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.

DESCRIPTION

STANDARD NO.

DESCRIPTION

1.THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

2.BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

3.THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

4.ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

5.THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

6.IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGHTS.

7.THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

8.DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

9.PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

10.OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION 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.

11.SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

12.ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

13.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.

14. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

15.LOCATIONS OF CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

16.DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

17.FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT A PART OF THIS CONTRACT.

18.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 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.

19.BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES (48 HOUR NOTIFICATION IS REQUIRED)

20.THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE VILLAGE OF SKOKIE.

21. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

2 REVISED SHEET 4/15/2025

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			DRAWN	-	REVISED	-							350	FAP 0350 23 SMART1	COOK	45	2
			CHECKED	-	REVISED	-							CONTRACT NO. 62V54				
	PLOT DATE	= 3/12/2025	DATE	-	REVISED	-			SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SAFETY	ROADWAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
Code No.	Item	Unit	Total Quantity	0005	0021	0005				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11311	11311						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3771	3771						
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	592	592						
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2259	2259						
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2191	2191						
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	960	960						
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2709	2709						
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	570	570						
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5656	5656						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	592	592						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2259	2259						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2191	2191						
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	960	960						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2709	2709						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	590	590						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	284	284						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	284	284						
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	8814	8814						
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	220		220					
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	255		255					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		4					
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3832		3832					

* = SPECIALTY

USER NAME = connor.mullane	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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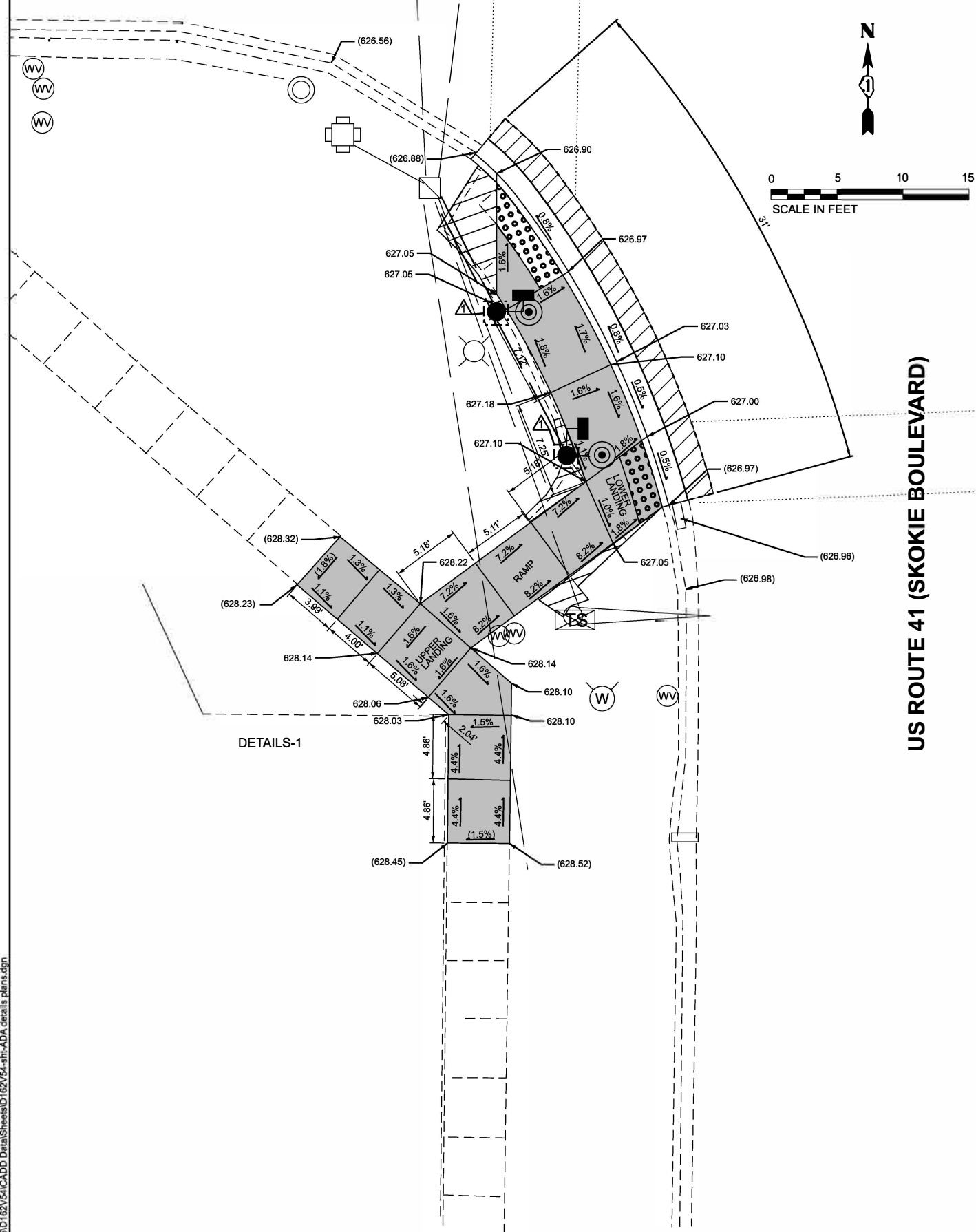
STATE OF
DEPARTMENT OF T

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SAFETY	ROADWAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
Code No.	Item	Unit	Total Quantity	0005	0021	0005				
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4397		4397	2				
* 87900200	DRILL EXISTING HANDHOLE	EACH	12		12					
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	2882		2882	2				
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	20		20					
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	19		19	2				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4		4					
* 89502376	REBUILD EXISTING HANDHOLE	EACH	3		3	1				
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1						
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	3330		3330					
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	20	20						
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	11		11	1				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	240	240						
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	862	862						
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	83		83					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	340			340				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	29	29						
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6						
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	283	283						
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	20		20	1				
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	48		48					
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	63			63				
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	4			4				
2 REVISED SHEET 4/15/2025										
1 REVISED SHEET 4/7/2025										
ILLINOIS TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	U.S. ROUTE 41 (SKOKIE BLVD.) S/O OLD GLENVIEW RD. TO N/O GOLF RD.				350	FAP 0350 23 SMART1	COOK	45	4	
	SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT					
CONTRACT NO. 62V54										

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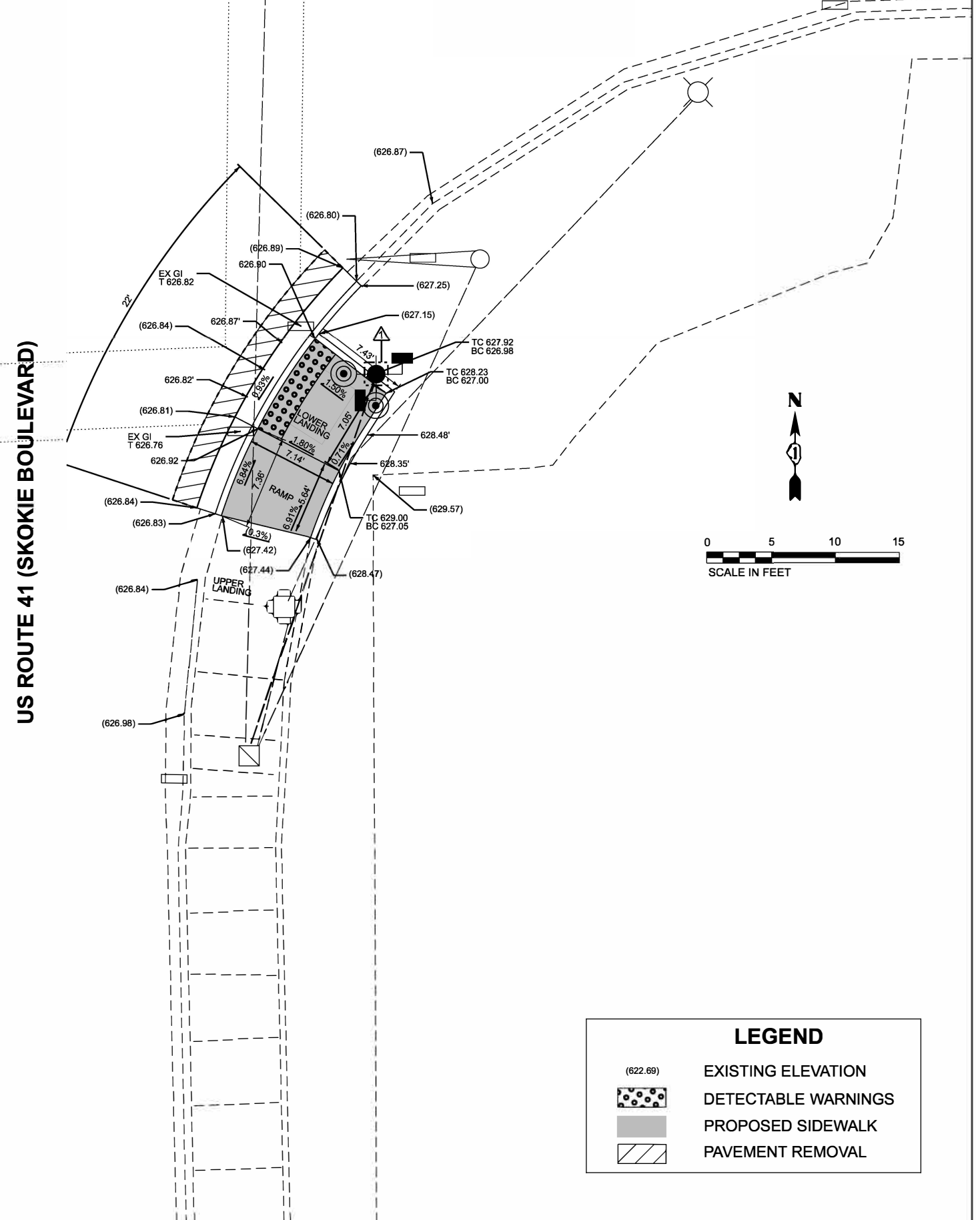
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SOUTH ENTRANCE



US ROUTE 41 (SKOKIE BOULEVARD)

SOUTH ENTRANCE



LEGEND

-

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PLOT DATE = 4/9/2025	DATE - 1/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD SOUTH ENTRANCE

SCALE: 1"=20' SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	19
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

NOTES:

- 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.
- CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
- ALL PUSH BUTTONS SHALL BE APS.
- NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.
- ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- CAMERA LOCATION ON MAST ARMS SHALL BE DETERMINED BY MANUFACTURER OR SUPPLIER REPRESENTATIVE DURING THE INSTALLATION.
- THE LOOPS DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEM 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.

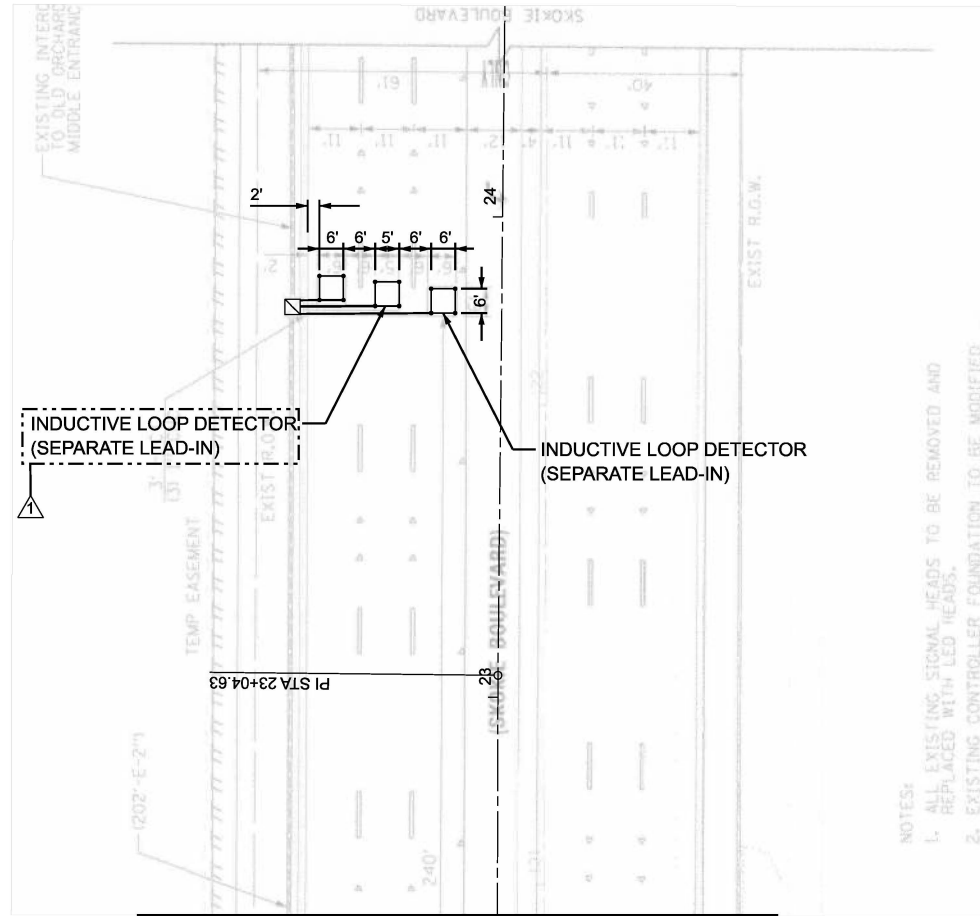
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 6 EACH PEDESTRIAN SIGNAL HEAD

LEGEND

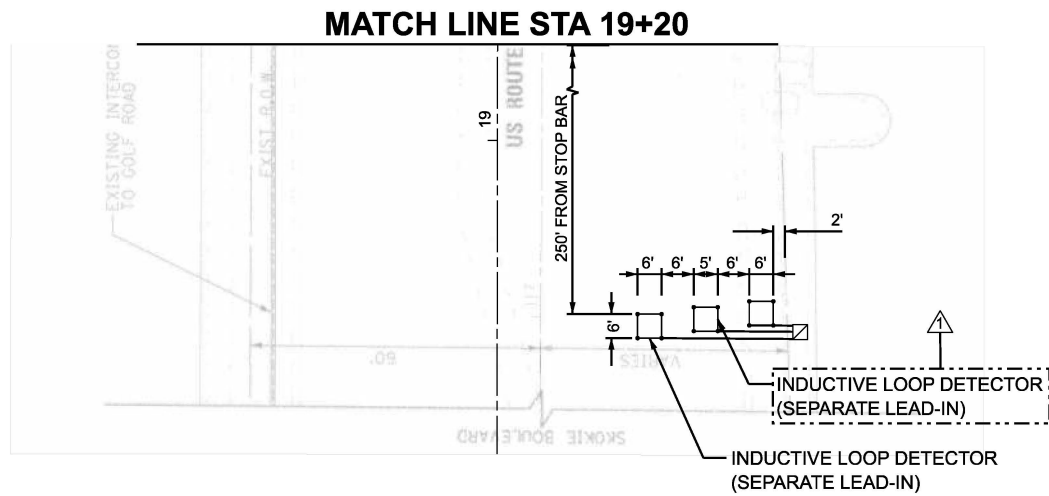
- ⊙ PROPOSED PEDESTRIAN PUSH BUTTON
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED SIGNAL POST
- PROPOSED SIGNAL HANDHOLE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA
- 📹 VIDEO DETECTION CAMERA

SEE TOP LEFT
MATCH LINE STA 22+50

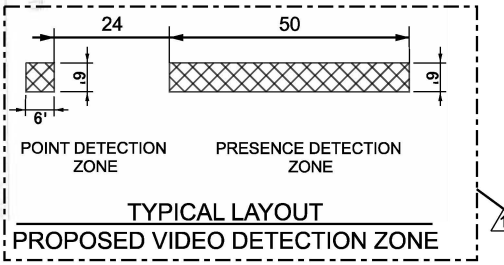
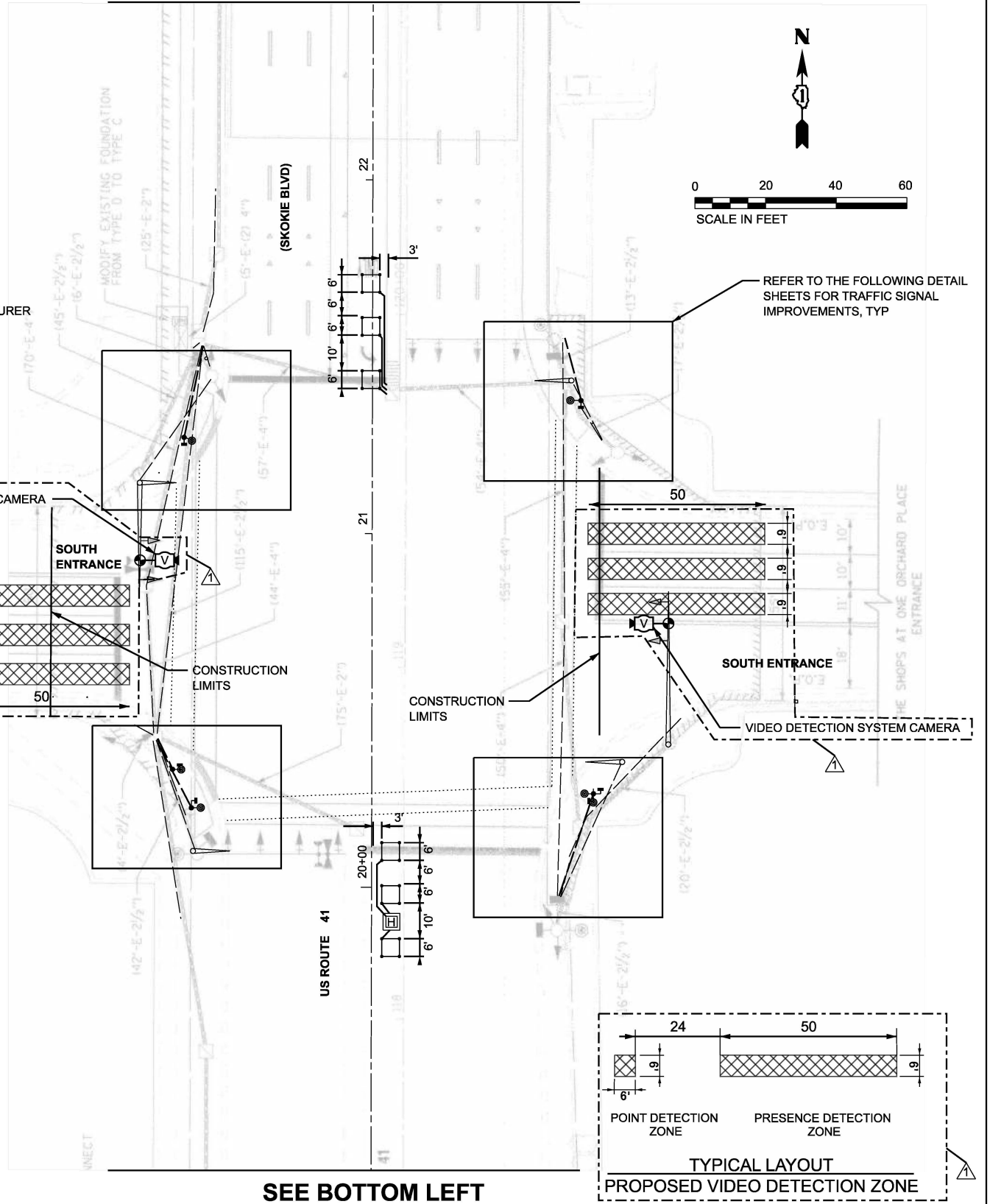
SEE BOTTOM LEFT
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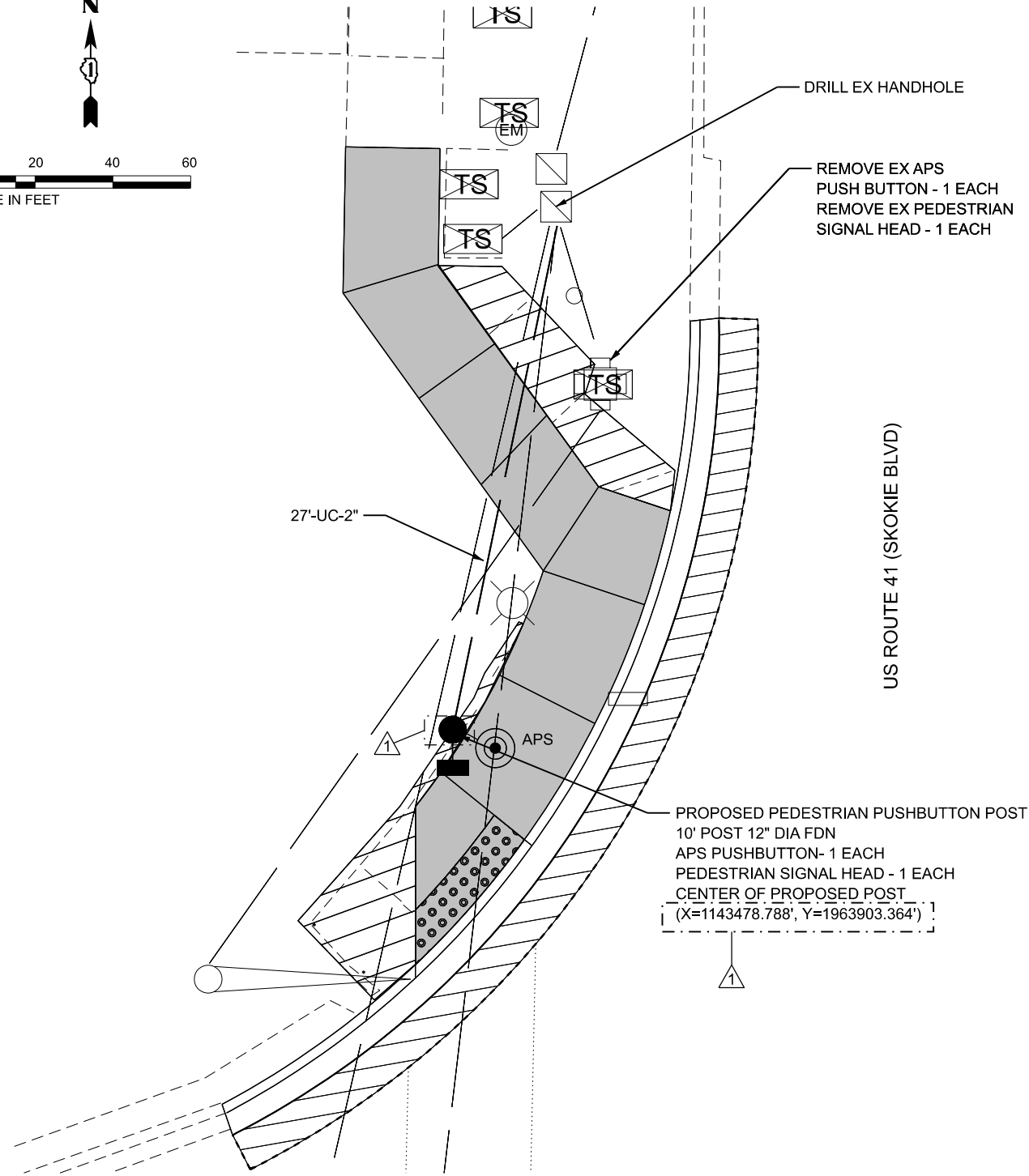
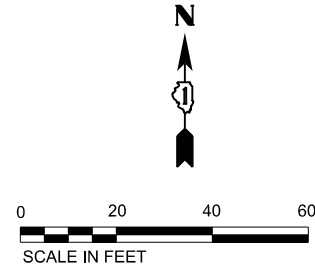
MATCH LINE STA 22+50



MATCH LINE STA 19+20

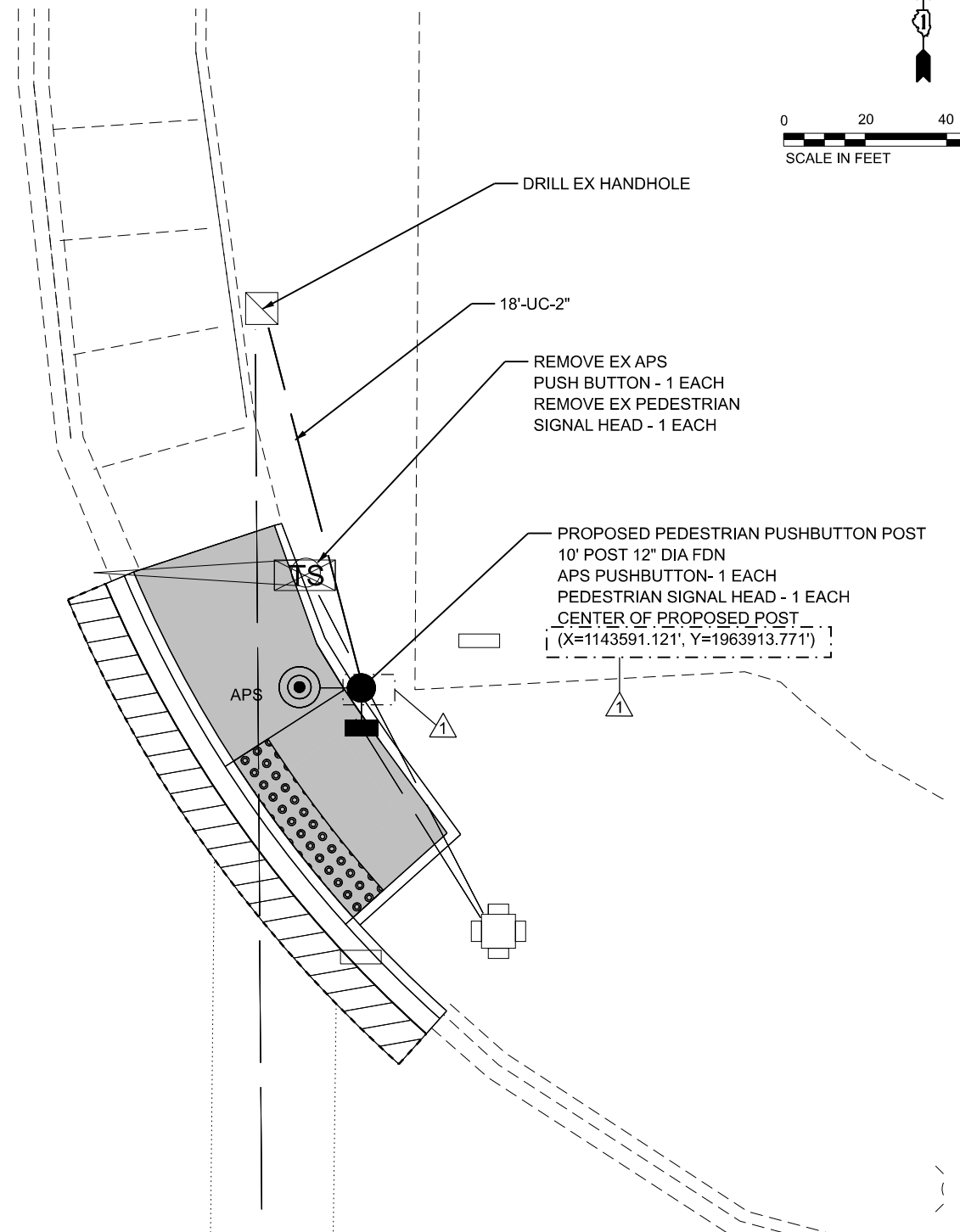
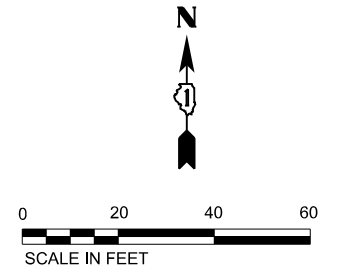


TS 1605
ECON 2



NW QUADRANT

SOUTH ENTRANCE



NE QUADRANT

SOUTH ENTRANCE

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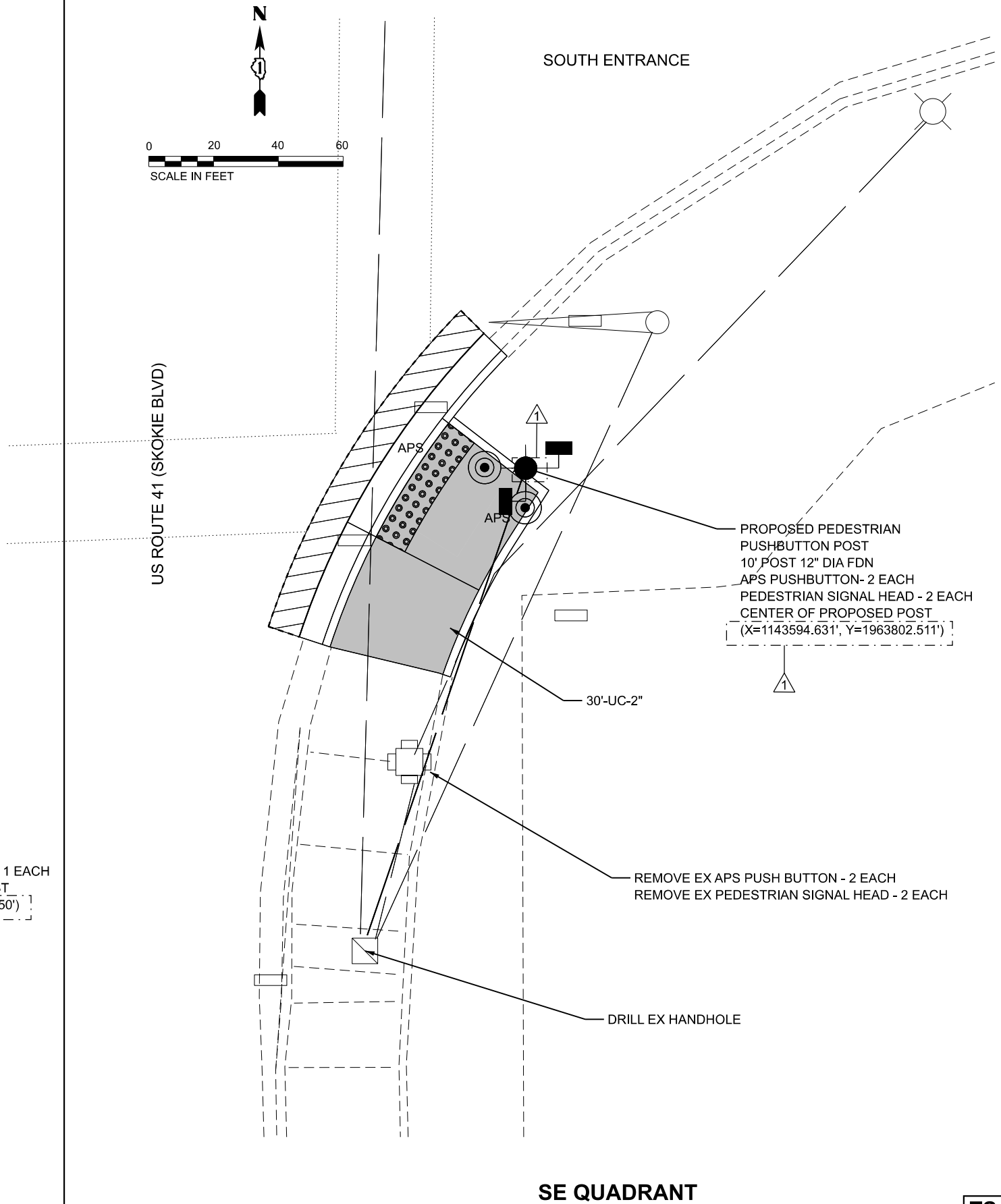
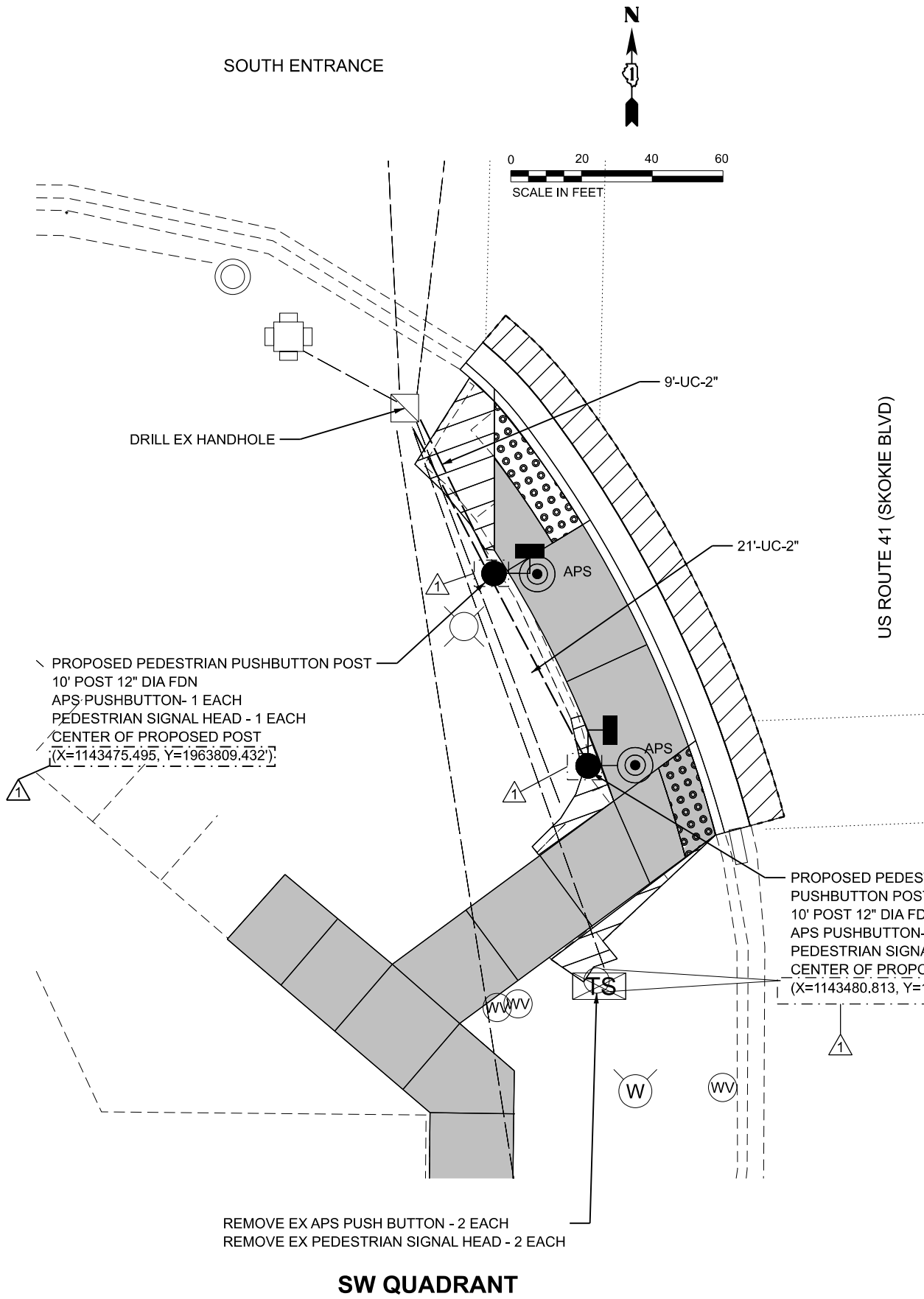
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PLOT DATE = 4/9/2025	DATE - 03/14/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN			
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD SOUTH ENTRANCE			
SCALE: 1"=5'	SHEET 4 OF 17 SHEETS	STA.	TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	20
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1605
ECON 2



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PLOT DATE = 3/18/2025	DATE - 03/14/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD SOUTH ENTRANCE

SCALE: 1"=5' SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	21
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1605
ECON 2

MODEL: Cable-1 [Sheet]
FILE NAME: J:\2024\608105\12\62V54\CADD Data\Sheets\12\62V54-sht-Cable Plans.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	17	0.50	170.00
(YELLOW)	20	25	0.25	125.00
(GREEN)	20	15	0.25	75.00
ARROW	16	12	0.10	19.00
PED. SIGNAL (CONTROLLER)	4	25	1.00	100.00
ILLUM. SIGN	1	100	1.00	100.00
			0.05	
FLASHER			0.50	
ENERGY COST TO:			TOTAL	589.00
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER CT, SCHAUMBURG, IL 60196				
ENERGY SUPPLY :		CONTACT: AXL DAVIS PHONE: 773-231-2969 COMPANY: COMED		
		ACCOUNT NUMBER:		
		METER NUMBER:		



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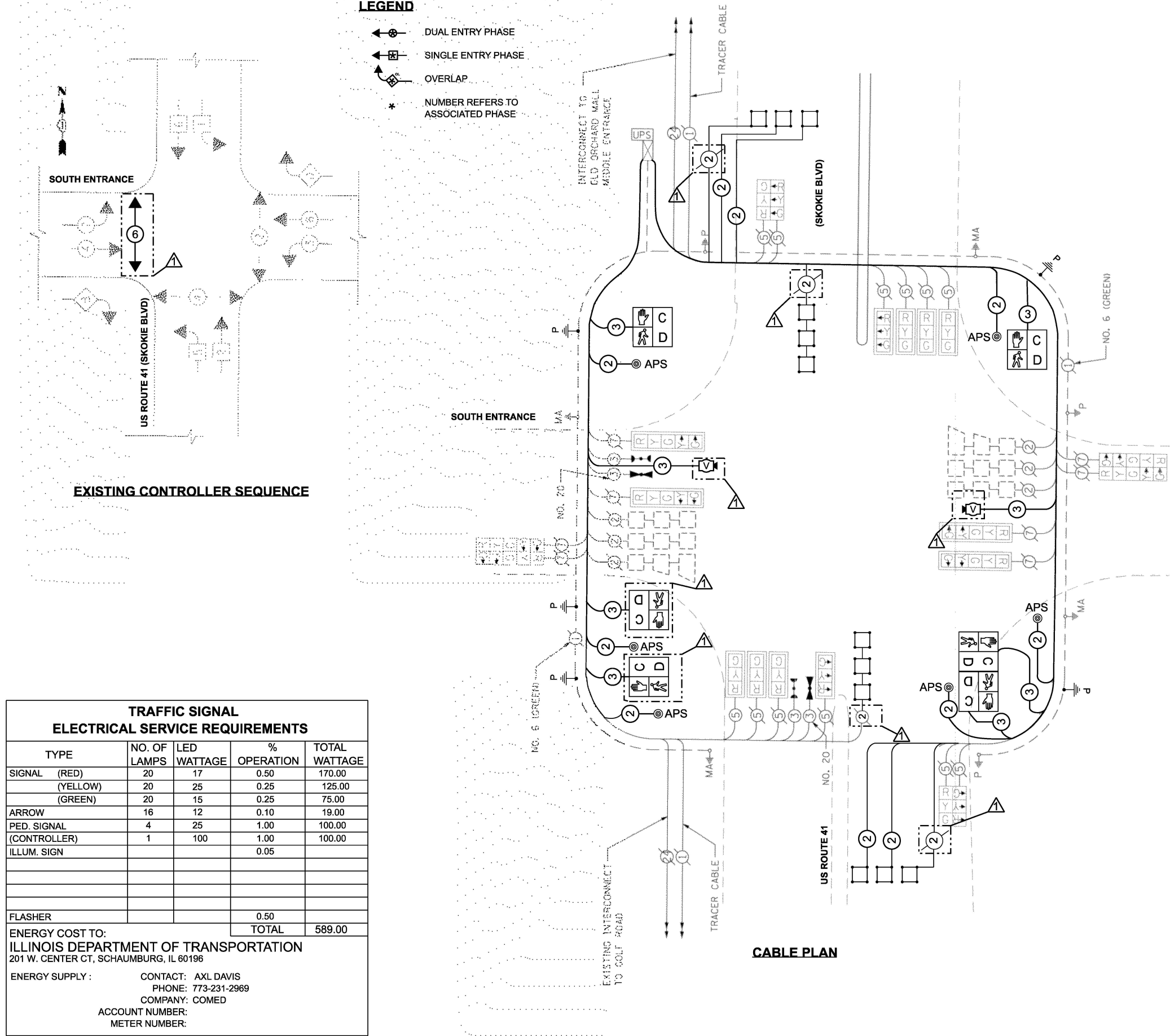
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD SOUTH ENTRANCE

SCALE: N.T.S. SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	22
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1605
ECON 2



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	105
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1358
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1825
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1628
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	235
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	466
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2758
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

NOTES:

1. ALL HALFTONE INFORMATION SHOWN ON THIS CABLE PLAN IS EXISTING CABLE.

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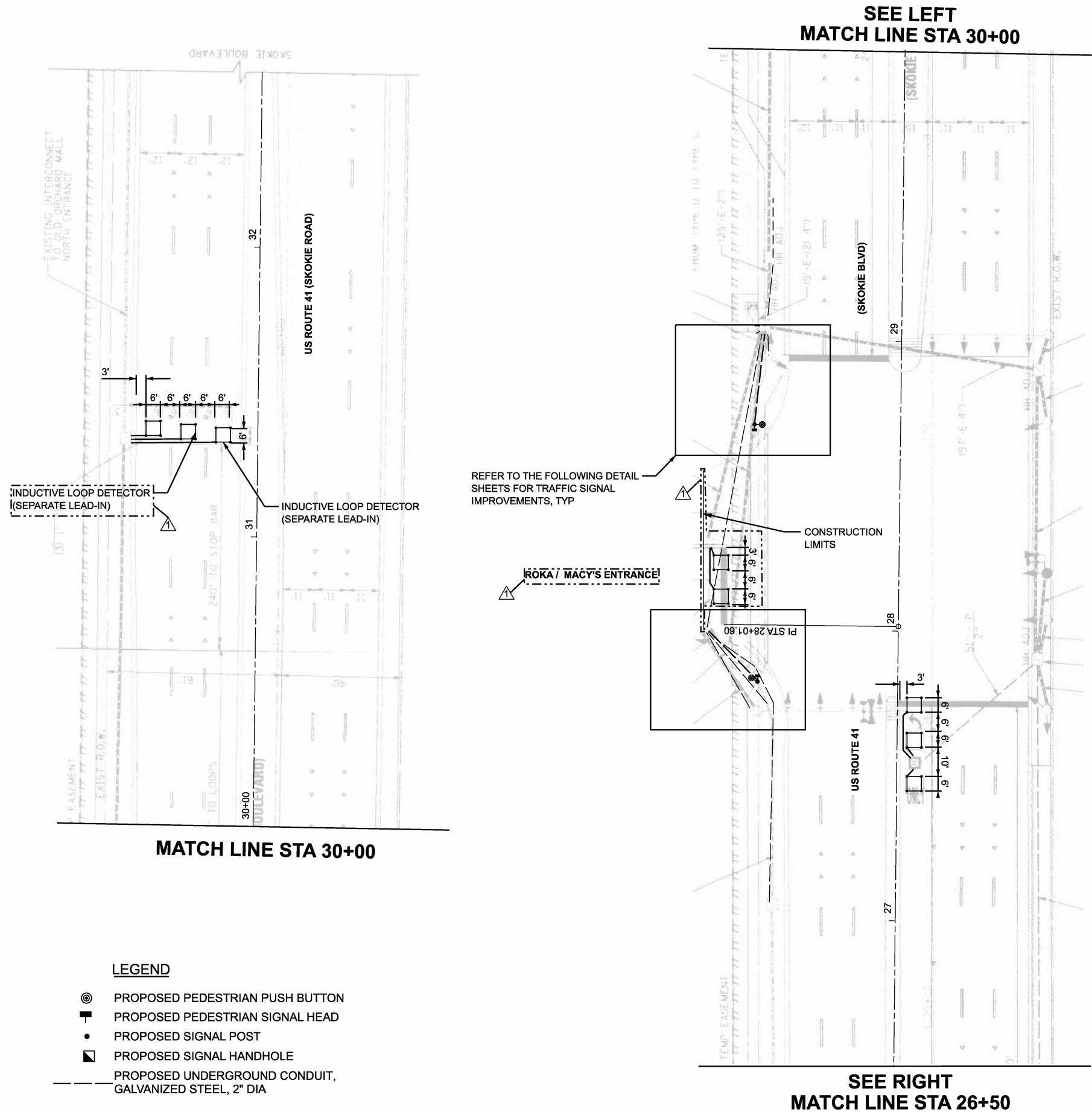
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PLOT DATE = 4/9/2025	DATE - 03/14/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD MIDDLE ENTRANCE

SCALE: 1"=20' SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	23
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				



NOTES:

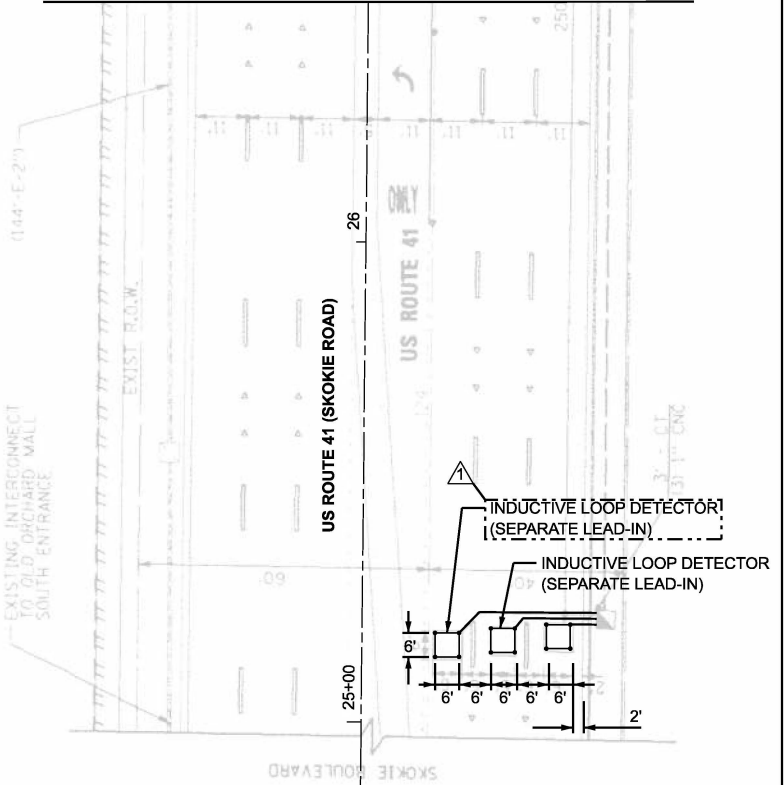
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH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

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEM 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.

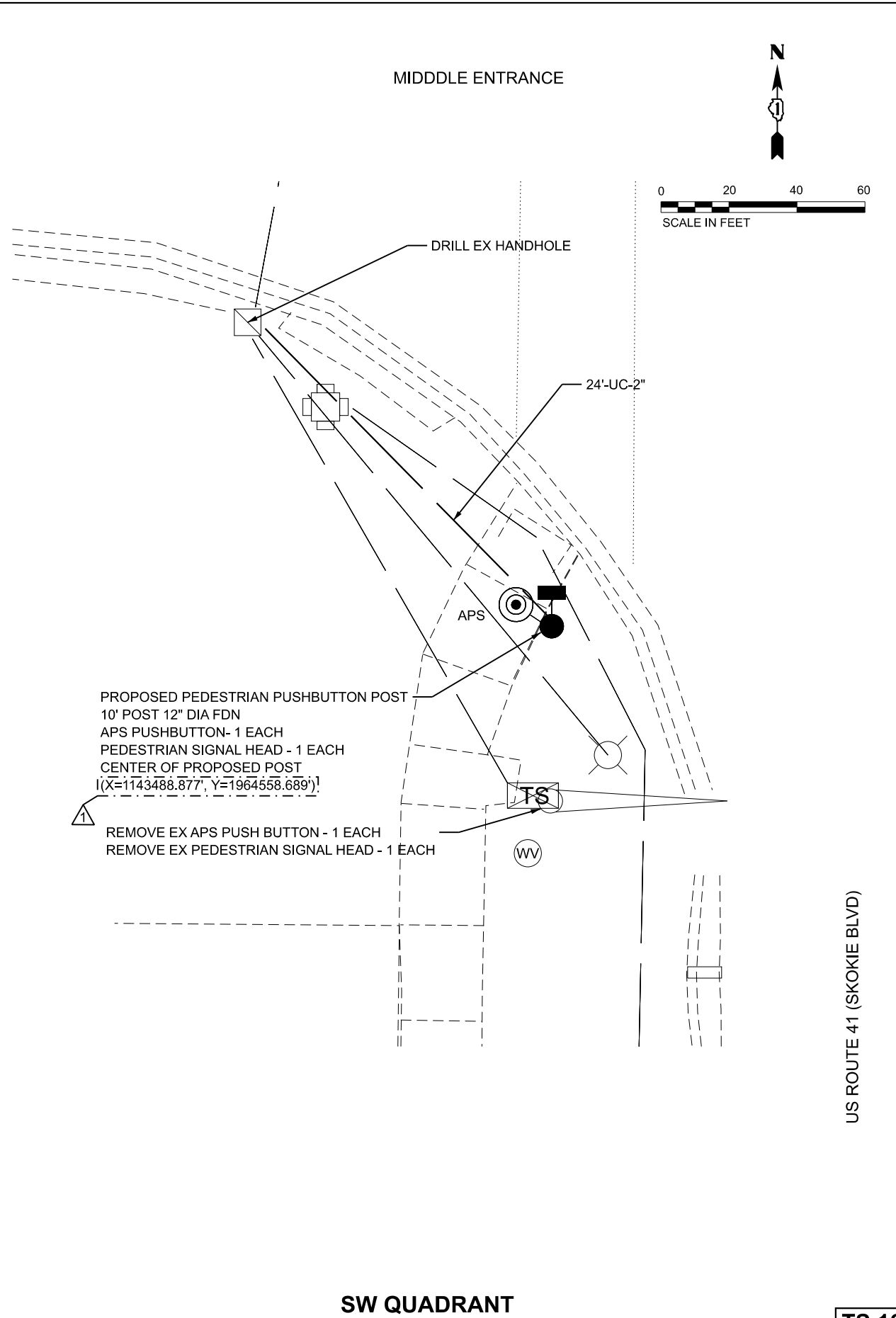
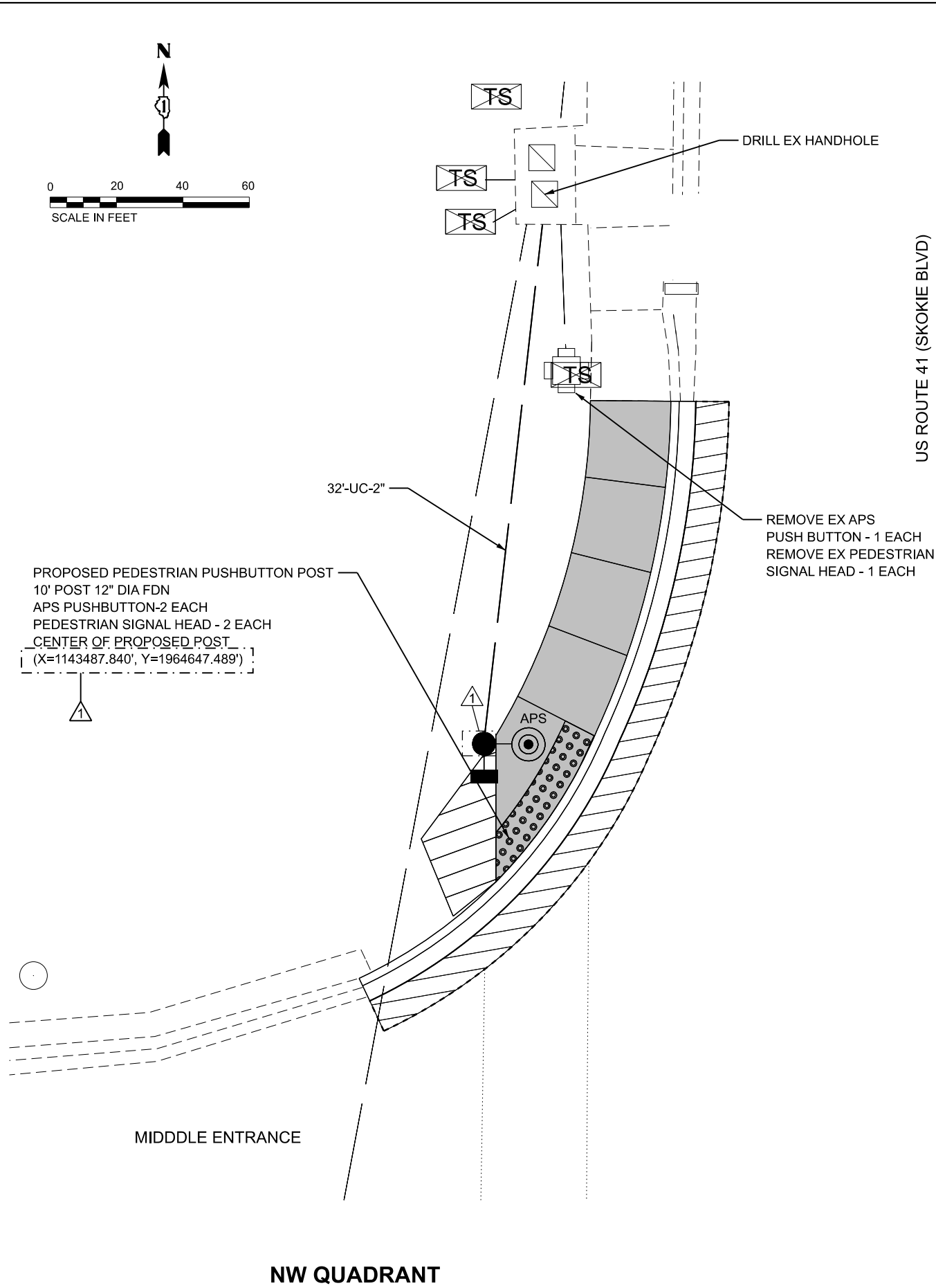
- 21 EACH PEDESTRIAN PUSH-BUTTON
2 EACH PEDESTRIAN SIGNAL HEAD

MATCH LINE STA 26+50



TS 1600
ECON 2

MODEL: APS-2-Quad-SW/NW [Sheet]
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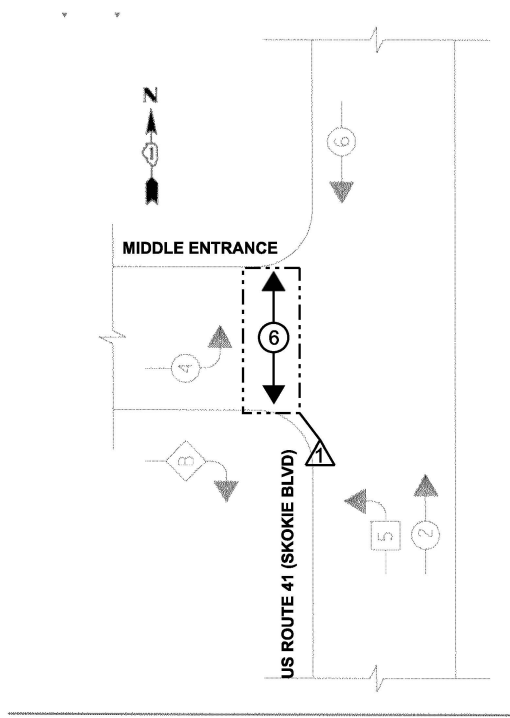
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PLOT DATE =	4/9/2025	DATE -	03/14/2025	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN			
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD MIDDLE ENTRANCE			
SCALE: 1"=5'	SHEET 8	OF 17 SHEETS	STA. TO STA.

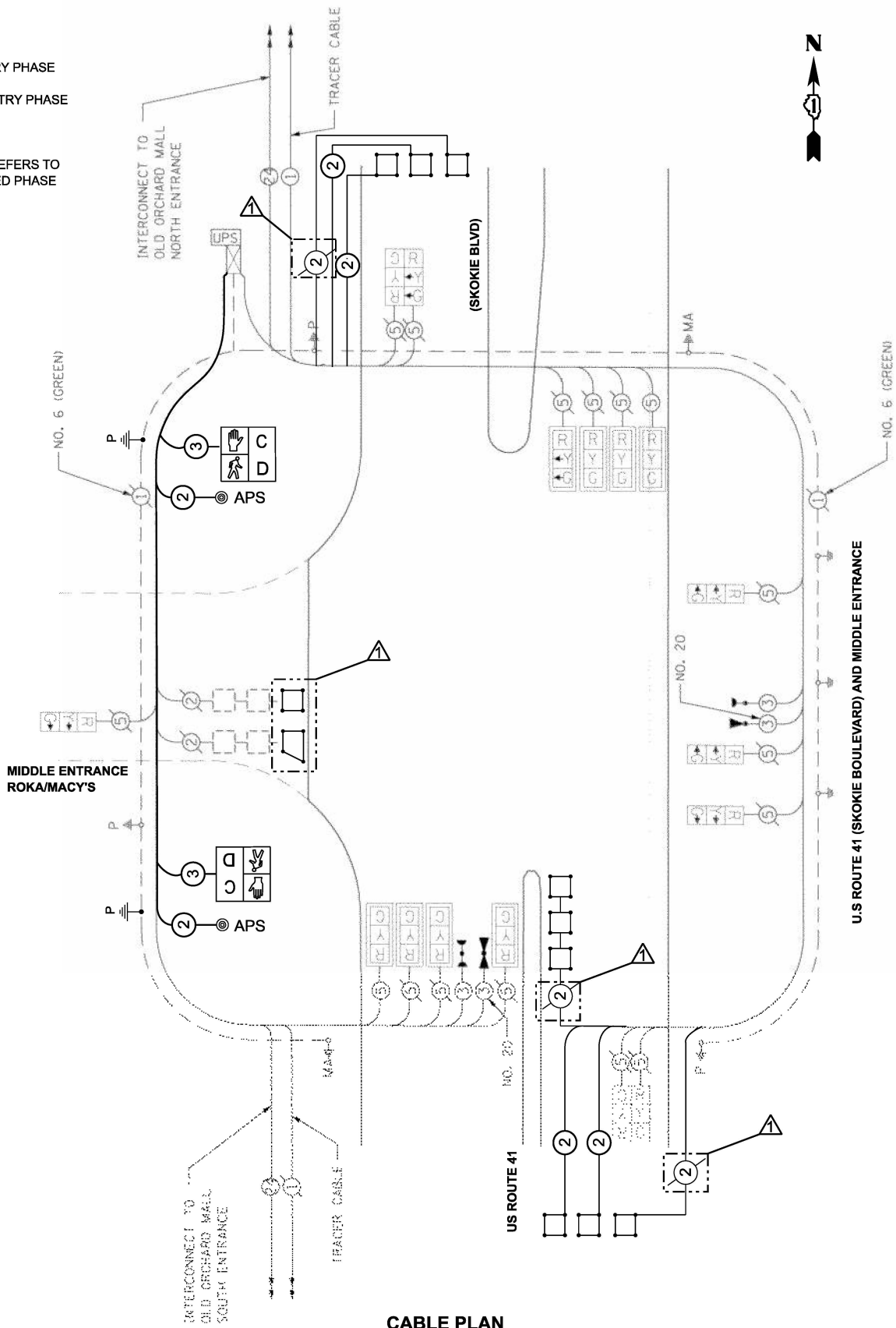
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	24
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1600
ECON 2



EXISTING CONTROLLER SEQUENCE

- LEGEND**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - OVERLAP
 - * NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	56
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	259
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	273
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1586
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	94
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	420
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	532
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

NOTES:

- ALL HALFTONE INFORMATION SHOWN ON THIS CABLE PLAN IS EXISTING CABLE.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.25	100.00
(GREEN)	16	15	0.25	60.00
ARROW		12	0.10	
PED. SIGNAL (CONTROLLER)	1	25	1.00	100.00
ILLUM. SIGN			0.05	
FLASHER			0.50	
TOTAL				396.00
ENERGY COST TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER CT, SCHAUMBURG, IL 60196				
ENERGY SUPPLY : CONTACT: AXL DAVIS PHONE: 773-231-2969 COMPANY: COMED ACCOUNT NUMBER: METER NUMBER:				



USER NAME = asyed	DESIGNED - CT	REVISED - 04/03/2025 ABD
	DRAWN - GA	REVISED -
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PLOT DATE = 03/17/25	DATE - 03/17/25	REVISED -

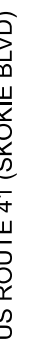
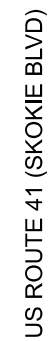
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
US 41 (SKOKIE BLVD AND ESTFIELD OLD ORCHAD MIDDLE ENTRANCE)

SCALE: N.T.S. SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	25
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1600
ECON 2



ABNA
DESIGN FIRM REG. 184.002117

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	DRAWN - GA	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

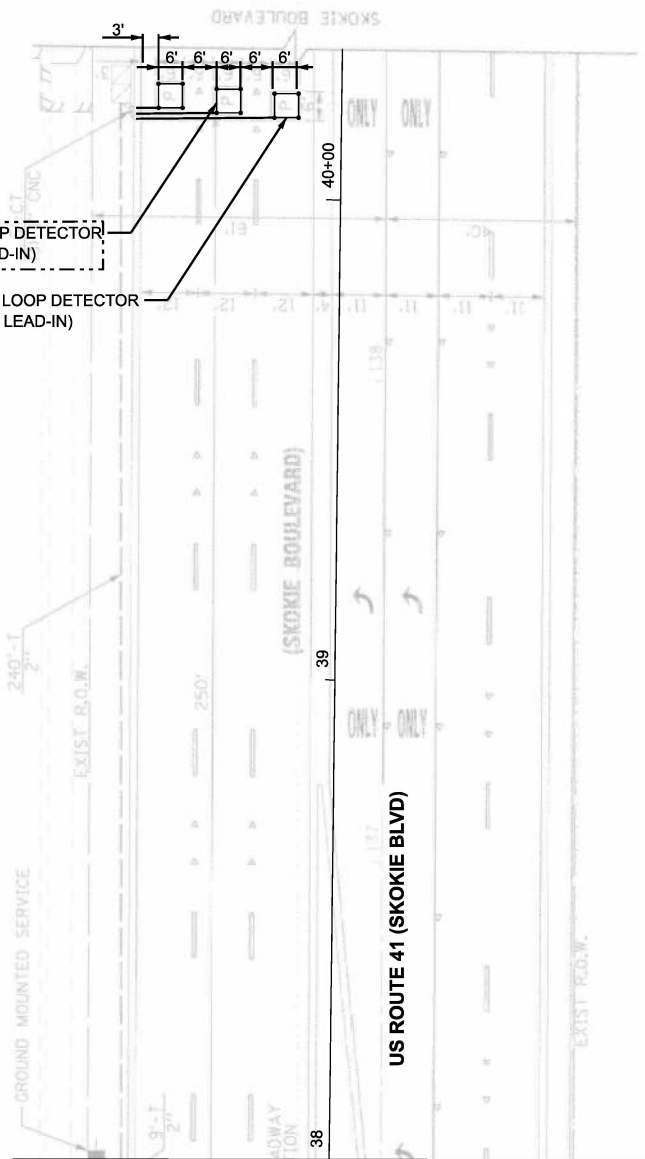
TRAFFIC SIGNAL MODERNIZATION PLAN
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD NORTH ENTRANCE

SCALE: 1"=20' SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	26
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

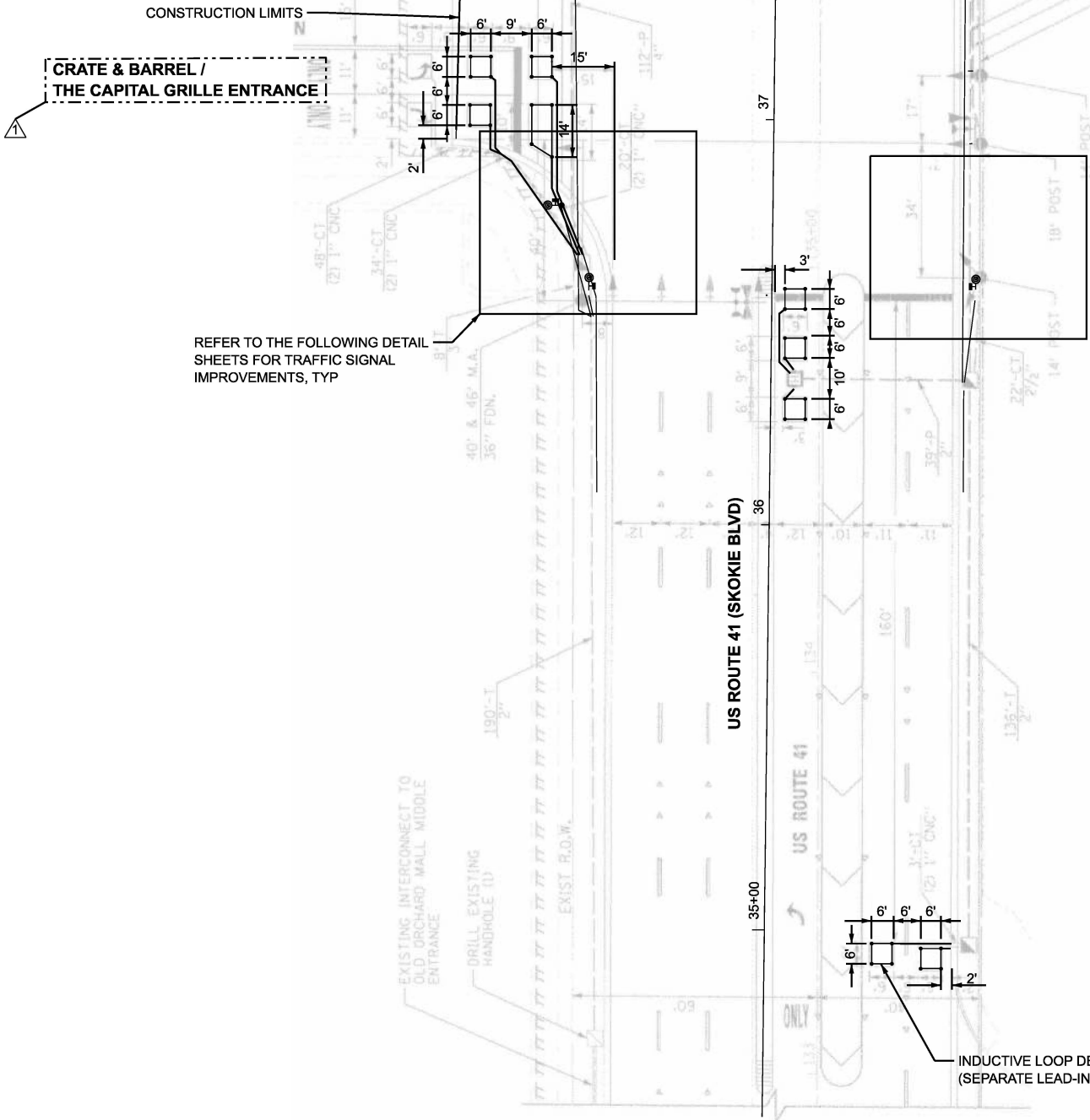
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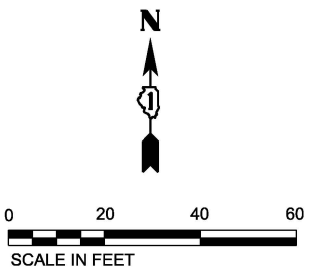


SEE LEFT
MATCH LINE STA 38+00

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGN WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY



SEE LEFT
MATCH LINE STA 38+00



NOTES:

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

REMOVAL AND RELOCATION NOTES:

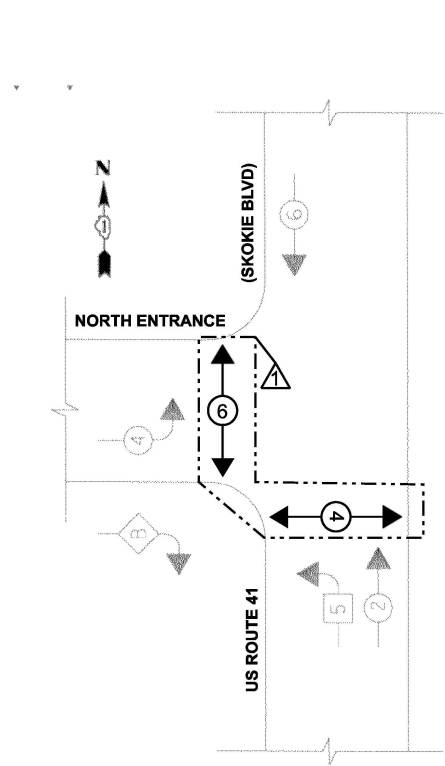
THE FOLLOWING ITEM SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- | | | |
|---|------|------------------------|
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD |

LEGEND

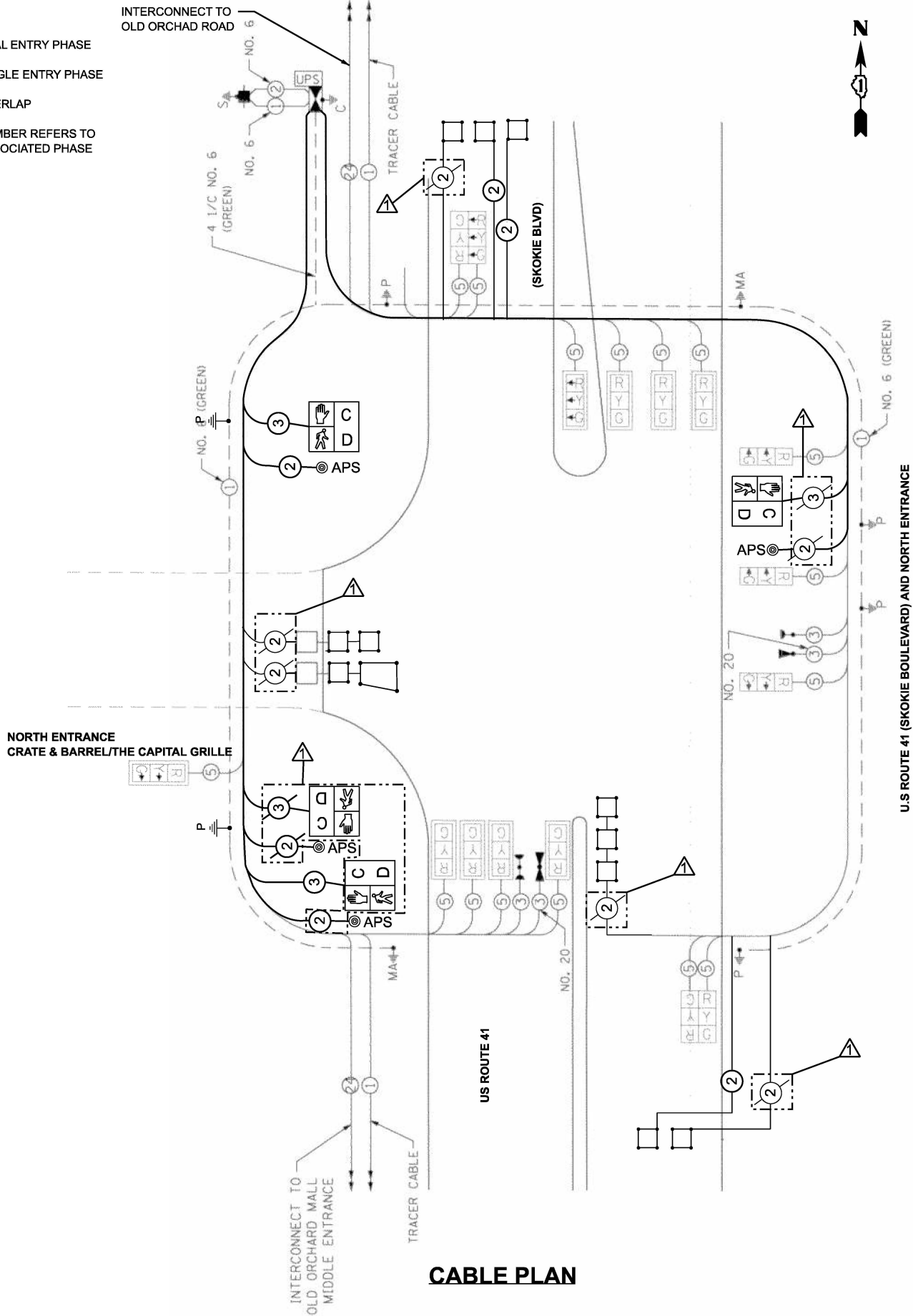
- PROPOSED PEDESTRIAN PUSH BUTTON
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED SIGNAL POST
- PROPOSED SIGNAL HANDHOLE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA

TS 1595
ECON 2



EXISTING CONTROLLER SEQUENCE

- LEGEND**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - OVERLAP
 - NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	54
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	763
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	791
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	964
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	120
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	3
DETECTOR LOOP, TYPE I	FOOT	514
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1554
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

NOTES:

1. ALL HALFTONE INFORMATION SHOWN ON THIS CABLE PLAN IS EXISTING CABLE.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.25	100.00
(GREEN)	16	15	0.25	60.00
ARROW		12	0.10	
PED. SIGNAL		25	1.00	
(CONTROLLER)	1	100	1.00	100.00
ILLUM. SIGN			0.05	
FLASHER			0.50	
			TOTAL	396.00
ENERGY COST TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER CT, SCHAUMBURG, IL 60196				
ENERGY SUPPLY : CONTACT: AXL DAVIS PHONE: 773-231-2969 COMPANY: COMED ACCOUNT NUMBER: METER NUMBER:				

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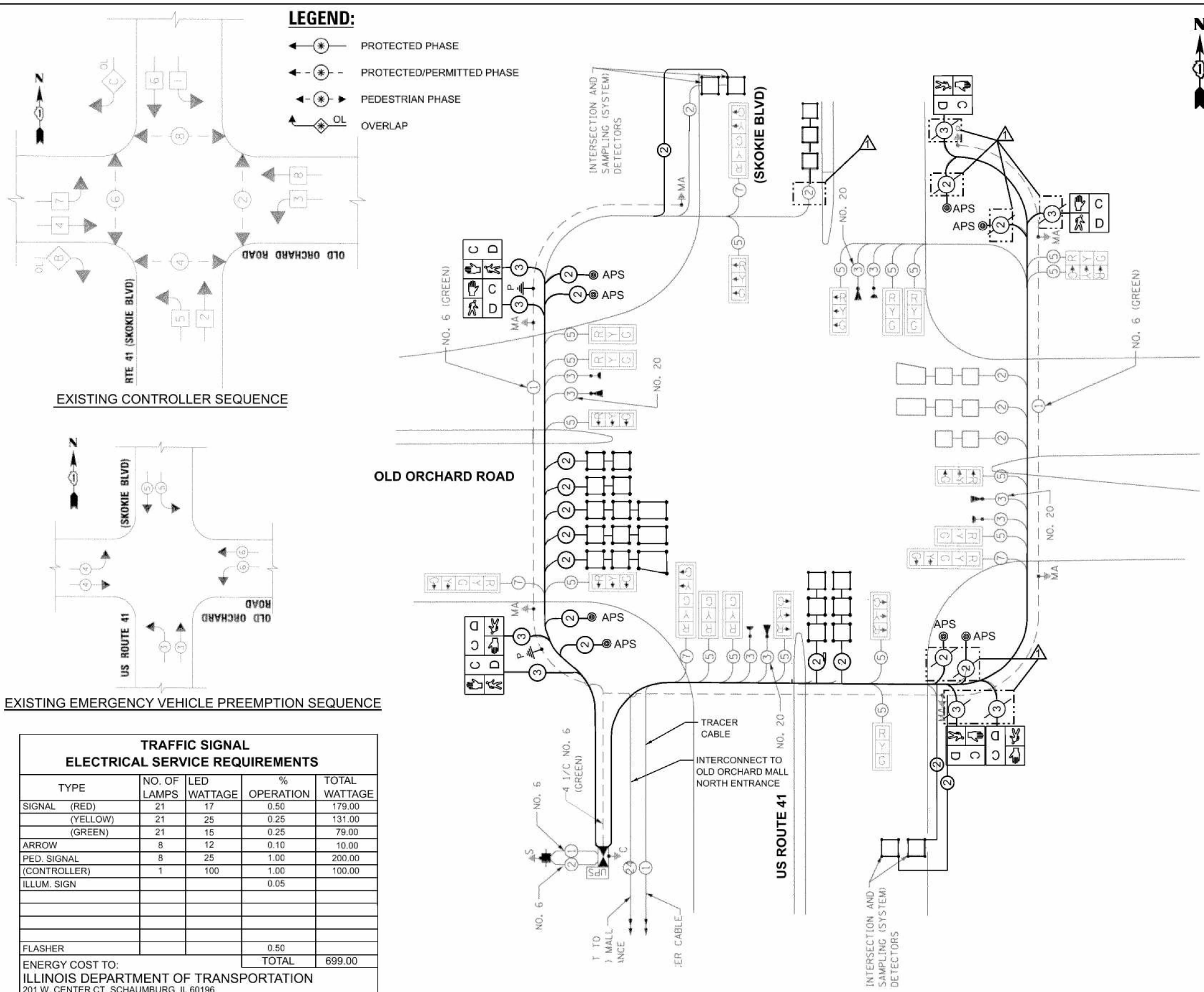
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHAD NORTH ENTRANCE

SCALE: N.T.S. SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	26C
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

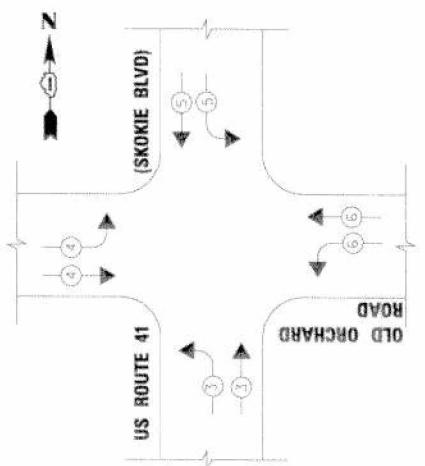
TS 1595
ECON 2



- LEGEND:**
- PROTECTED PHASE
 - PROTECTED/PERMITTED PHASE
 - PEDESTRIAN PHASE
 - OVERLAP



EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	17	0.50	179.00
(YELLOW)	21	25	0.25	131.00
(GREEN)	21	15	0.25	79.00
ARROW	8	12	0.10	10.00
PED. SIGNAL (CONTROLLER)	8	25	1.00	200.00
ILLUM. SIGN	1	100	1.00	100.00
			0.05	
FLASHER			0.50	
			TOTAL	699.00
ENERGY COST TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER CT, SCHAUMBURG, IL 60196				
ENERGY SUPPLY:		CONTACT: AXL DAVIS PHONE: 773-231-2969 COMPANY: COMED		
		ACCOUNT NUMBER:		
		METER NUMBER:		

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1452
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1508
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1973
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	140
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	992
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2960
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 10 FT.	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

- NOTES:**
- ALL HALFTONE INFORMATION SHOWN ON THIS CABLE PLAN IS EXISTING CABLE.

CABLE PLAN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

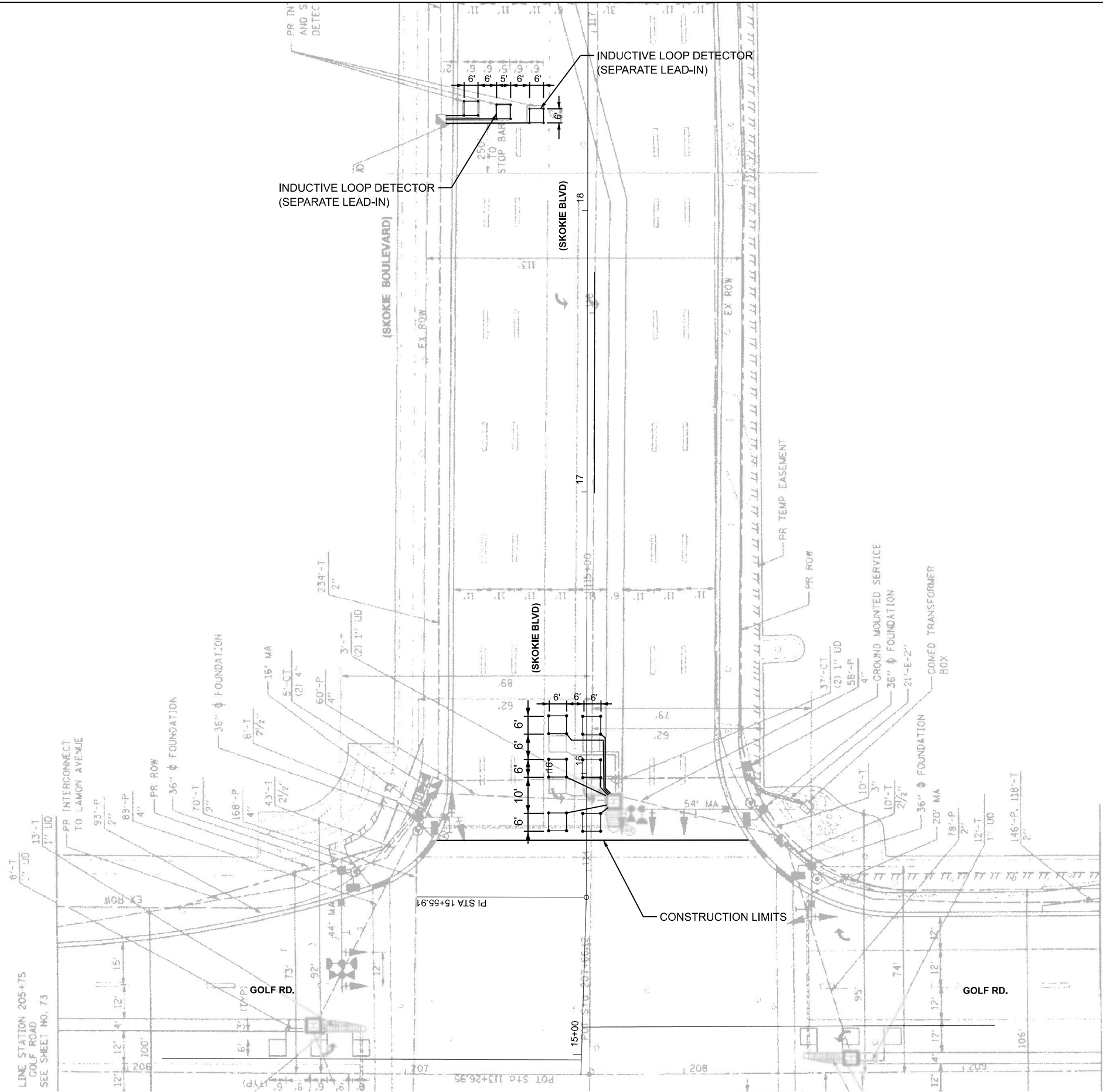
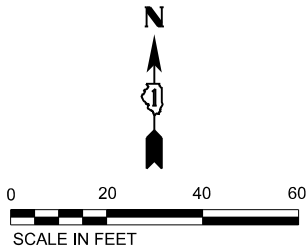
CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
US 41 (SKOKIE BLVD) AND WESTFIELD OLD ORCHARD ENTRANCE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	26G
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1590
ECON 2

NOTES:

- 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).
- ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



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USER NAME = mroeseler	DESIGNED - CT	REVISED -
	DRAWN - GA	REVISED -
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PLOT DATE = 4/9/2025	DATE - 03/27/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US 41 (SKOKIE BLVD) AND GOLF RD

SCALE: 1"=20' SHEET 1 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	26H
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1525
ECON 2

MODEL: Cable=0 (Sheet)
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TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	17	0.50	155.00
(YELLOW)	18	25	0.25	113.00
(GREEN)	18	15	0.25	66.00
ARROW	16	12	0.10	19.00
PED. SIGNAL	8	25	1.00	200.00
(CONTROLLER)	1	100	1.00	100.00
ILLUM. SIGN				
FLASHER				
ENERGY COST TO:			TOTAL	653.00
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER CT, SCHAUMBURG, IL 60196				
ENERGY SUPPLY :		CONTACT: AXL DAVIS PHONE: 773-231-2969 COMPANY: COMED		
		ACCOUNT NUMBER:		
		METER NUMBER:		



USER NAME =	miroeseler	DESIGNED -	MC	REVISED -	
		DRAWN -	MC	REVISED -	
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PLOT DATE =	3/27/2025	DATE -	03/14/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

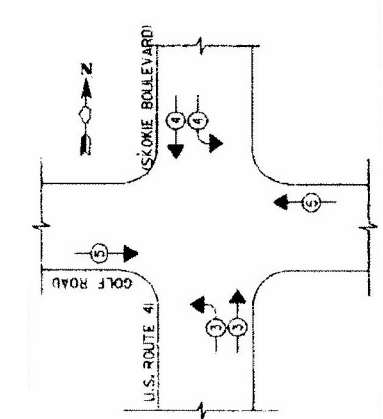
CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
US 41 (SKOKIE BLVD) AND GOLF RD

SCALE: N.T.S. SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0350	FAP 0350 23 SMART1	COOK	45	261
CONTRACT NO. 62V54				
ILLINOIS FED. AID PROJECT				

TS 1525
ECON 2

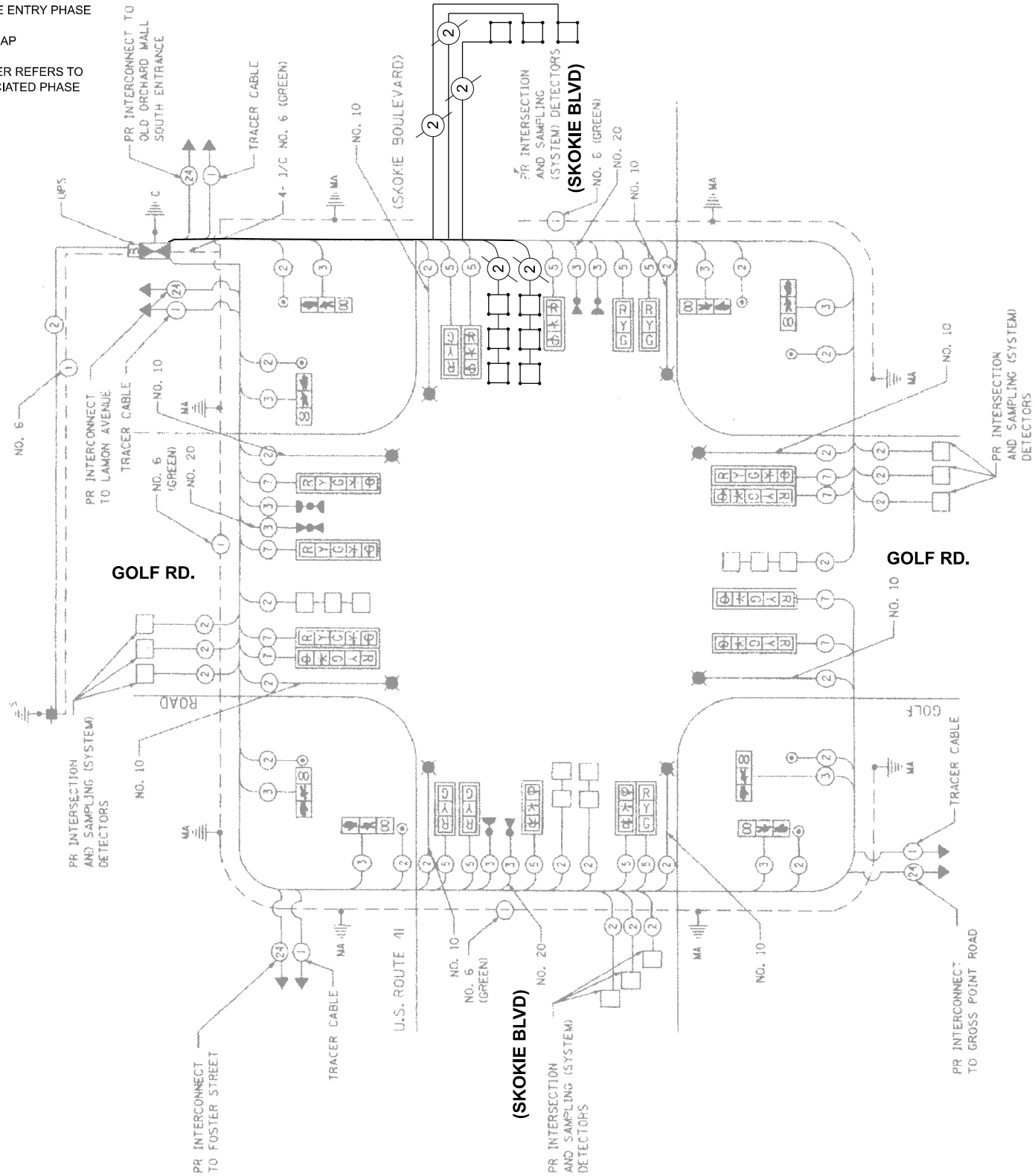
EXISTING CONTROLLER SEQUENCE



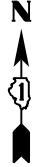
EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE

LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	288
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	490

NOTES:

- ALL HALFTONE INFORMATION SHOWN ON THIS CABLE PLAN IS EXISTING CABLE.