

NOTES:

1. 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.
2. THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS AND VIDEO DETECTION SYSTEM WITHIN THE RESURFACING LIMITS AS SHOWN.
3. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
4. THE REMOVAL OF 461 FEET OF RADAR CABLE SHALL BE PAID FOR UNDER 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT
5. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION ON FALSE CALLS FROM TRAFFIC ADJACENT LANES.
6. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

SEE SHEET (2 OF 2)
MATCH LINE A-A



Removed sheet: Outside
Resurfacing Limits

REMOVAL AND RELOCATION NOTES:

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

- | | | |
|---|------|-----------------|
| 2 | EACH | RADAR DETECTOR |
| 1 | EACH | RADAR AMPLIFIER |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL ROUTE 129 (WASHINGTON STREET) AND COAL CITY ROAD

SCALE: SHEET OF 11 SHEETS STA. 0+00.00 TO STA. 0+00.00

DELETED ENTIRE SHEET 2/30/202

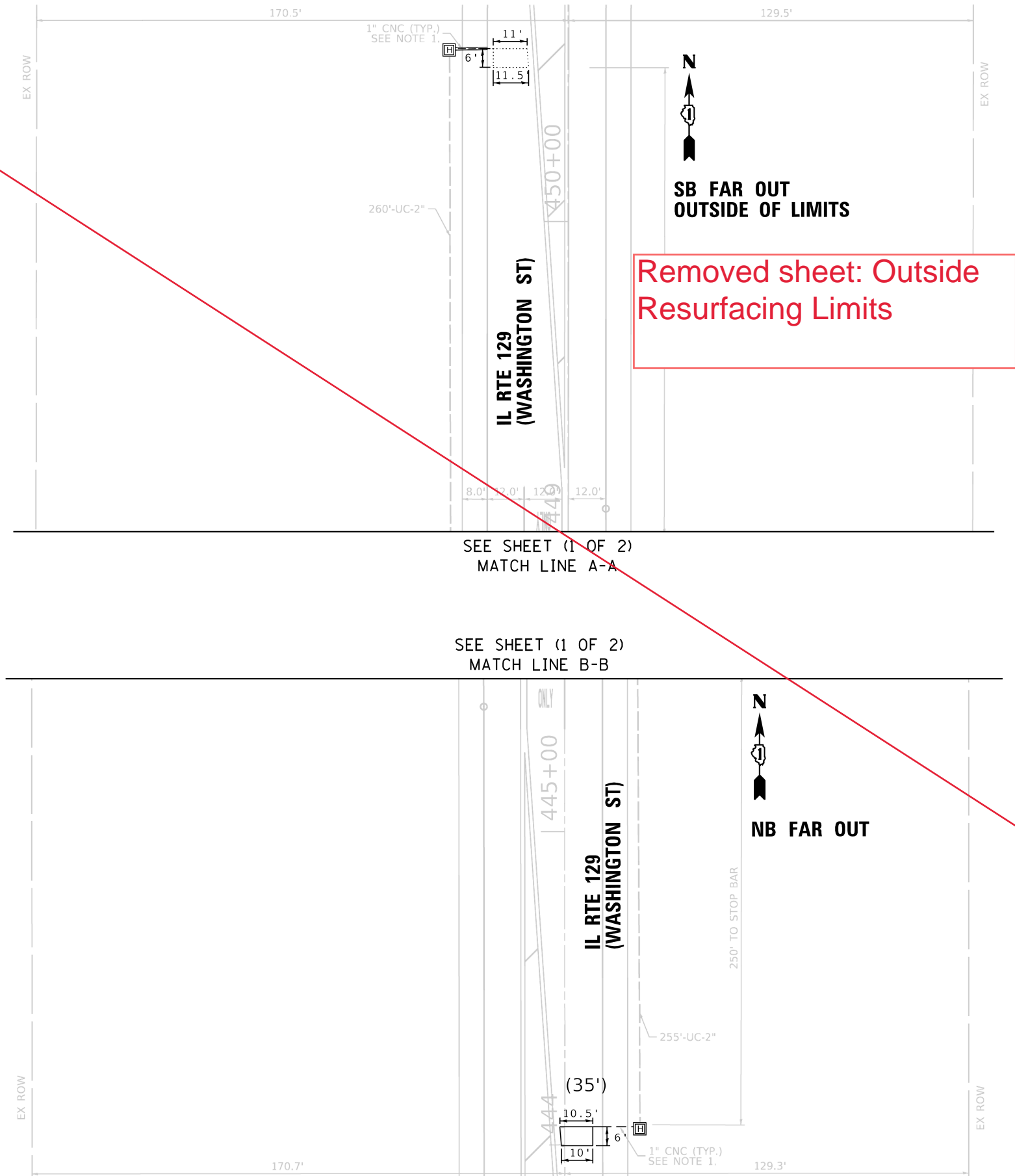
TS 11146

USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	△	MH 6/2/2025
		DRAWN	-	REVISED	-		
		CHECKED	-	REVISED	-		
PLOT DATE	= 3/22/2025	DATE	-	REVISED	-		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
381	2024-1000-RS, SW	WILL	46	13
CONTRACT NO. 62X34				
ILLINOIS FED. AID PROJECT				

1

MODEL: DetailSheet2 (Sheet)
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1 DELETED ENTIRE SHEET 2/30/202

TS 11146

USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	1	MH 6/2/2025
DRAWN	-	REVIS	-	REVIS	-		
PLOT SCALE	= 0.16666633''/In.	CHECKED	-	REVISED	-		
PLOT DATE	= 3/24/2025	DATE	-	REVISED	-		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

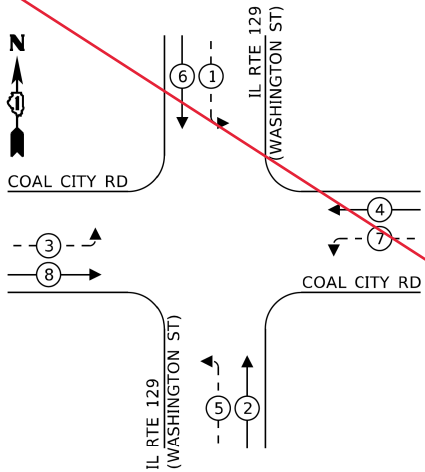
TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL ROUTE 129 (WASHINGTON STREET) AND COAL CITY ROAD

SCALE: SHEET OF 11 SHEETS STA. TO STA.

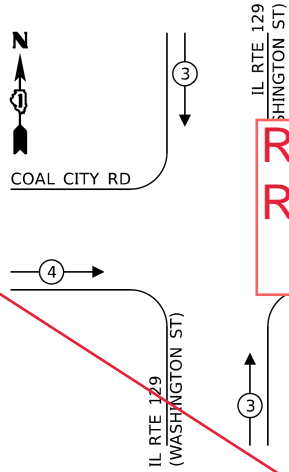
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381	2024-1000-RS, SW	WILL	46	14
CONTRACT NO. 62X34				
ILLINOIS FED. AID PROJECT				

1

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

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

Removed sheet:
Resurfacing Limits

COAL CITY RD

IL ROUTE 29
(WASHINGTON ST)

COAL CITY RD

IL ROUTE 29
(WASHINGTON ST)

CABLE PLAN

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	227
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	461
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
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		367	
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		972	

ENERGY COSTS TO:	
ILLINOIS DEPARTMENT OF TRANSPORTATION	
201 W CENTER CT,	
SCHAUMBURG, IL 60196	
ENERGY SUPPLY:	CONTACT: RICK OSTER
	PHONE: 779-231-0625
	COMPANY: COMED
ACCOUNT NUMBER:	---
METER NUMBER:	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE
PREEMPTION SEQUENCE IL RTE 129 (WASHINGTON ST) AND COAL CITY RD

SCALE: SHEET OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
381	2024-1000-RS, SW	WILL	46	15
CONTRACT NO. 62X34				
ILLINOIS FED. AID PROJECT				

1 DELETED ENTIRE SHEET 2/30/202

TS 11146