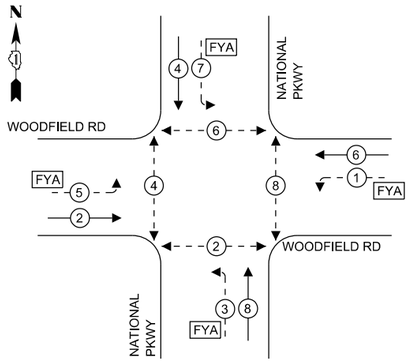
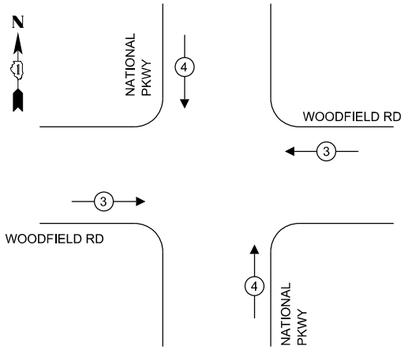
PROPOSED CONTROLLER SEQUENCE

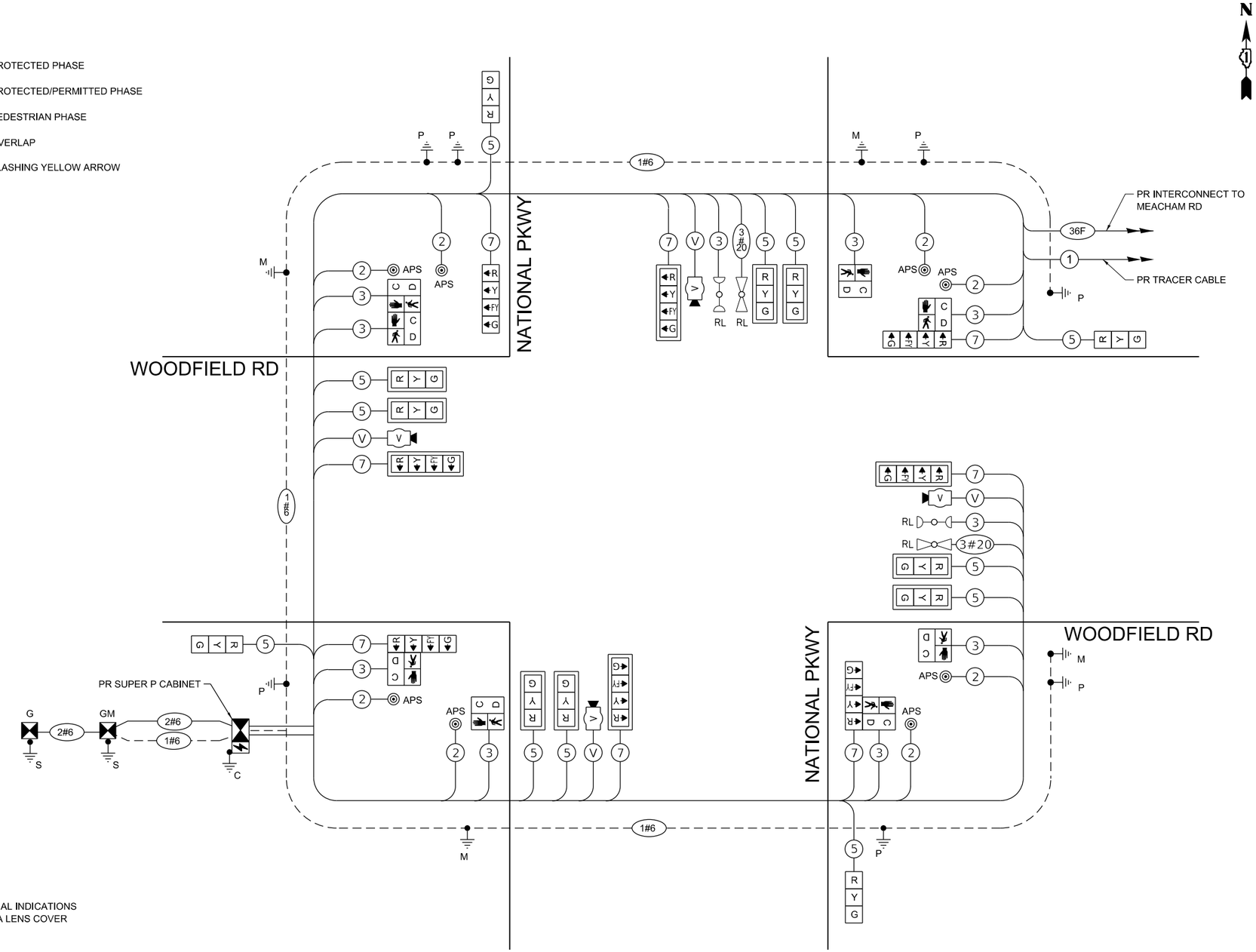


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP
- FYA — FLASHING YELLOW ARROW



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
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	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			551
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			1,156

NOTES

1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: ARTURO SALDIVAR
PHONE:
COMPANY: COMED
ACCOUNT NUMBER: XXXXX-XXXXX
TOWER ACCOUNT NUMBER: 0245068017

CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 16

MODEL: Default
FILE NAME: \\60\1\Projects\221304_CADD_01\CADD_Sheets\Woodfield-Sht-16 National Pkwy_Prop. Cable Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = jturk	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/8/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

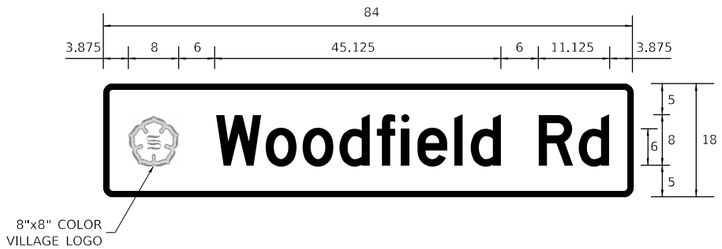
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOODFIELD ROAD AT NATIONAL PARKWAY

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

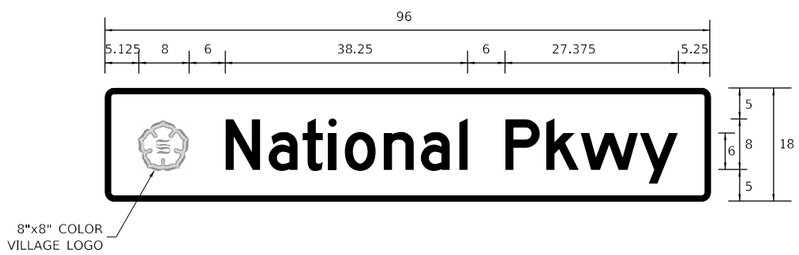
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	101
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

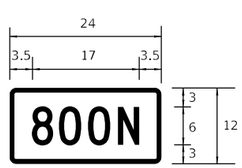
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



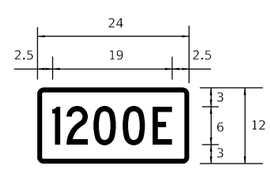
DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
D	10.5	2



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
D	12	2



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
C	2	2



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
C	2	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	68
	SIGN PANEL - TYPE 2	SQ FT	45
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	106
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	192
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	406
	HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
*	PAINT NEW TRAFFIC SIGNAL POST	EACH	4
*	PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	4
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,421
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,838
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,238
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,518
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	48
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,493
	TRAFFIC SIGNAL POST, 16 FT.	EACH	4
	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	4
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,900
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	531
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
*	PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	3
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
	LED SIGNAL FACE, LENS COVER	EACH	20
	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF SCHAUMBURG

TS SHT NO. 17

MODEL: Default
FILE NAME: \\fs01\Projects\212304_CADD_01\CADD_Sheets\Woodfield-SHT-17_National Pkwy_SOQ.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
WOODFIELD ROAD AT NATIONAL PARKWAY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	102

CONTRACT NO. 61L43

ILLINOIS FED. AID PROJECT

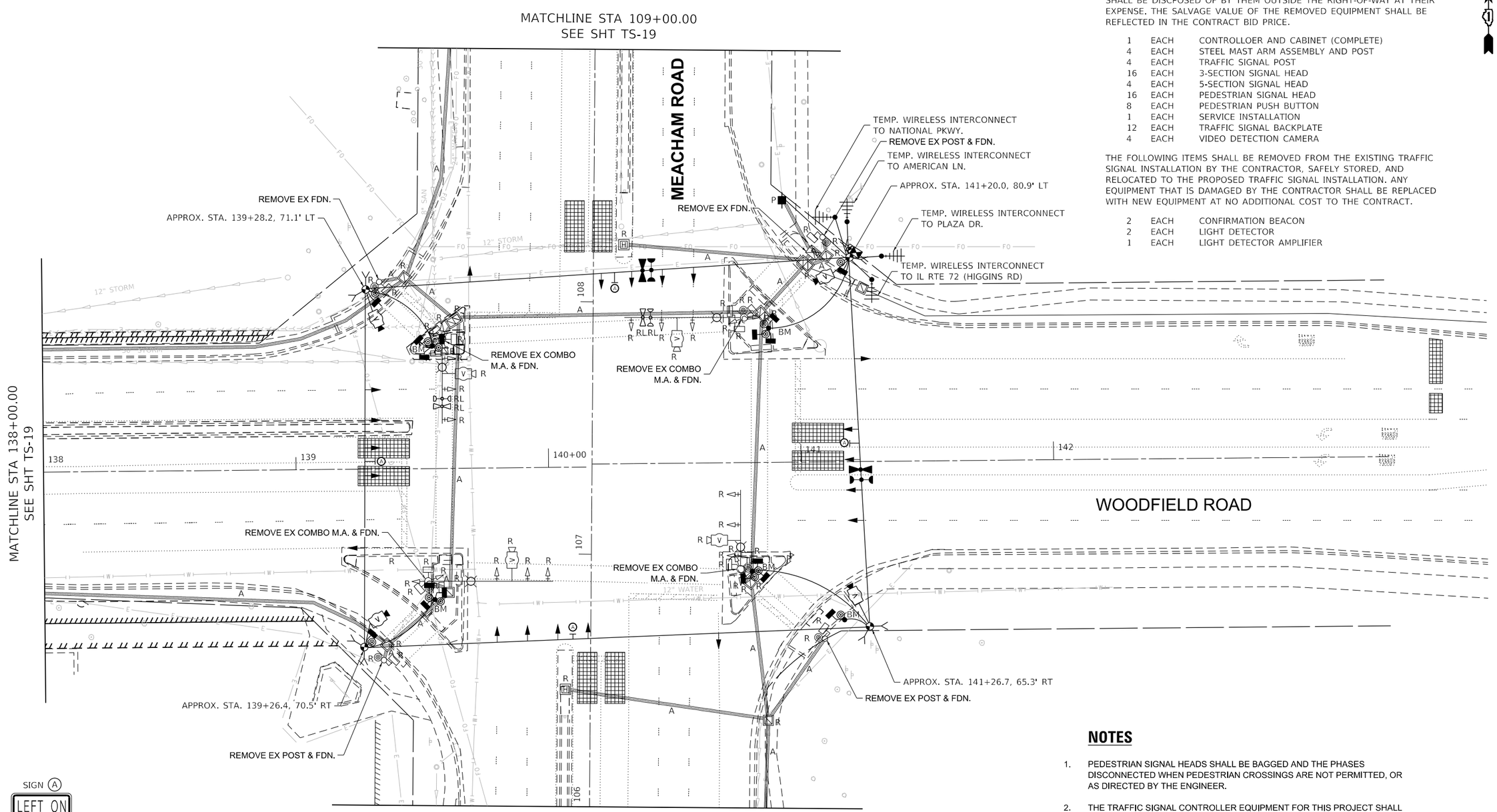
REMOVAL AND RELOCATION NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISCPOSED 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.

1	EACH	CONTROLLOER AND CABINET (COMPLETE)
4	EACH	STEEL MAST ARM ASSEMBLY AND POST
4	EACH	TRAFFIC SIGNAL POST
16	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
16	EACH	PEDESTRIAN SIGNAL HEAD
8	EACH	PEDESTRIAN PUSH BUTTON
1	EACH	SERVICE INSTALLATION
12	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	VIDEO DETECTION CAMERA

THE FOLLOWING ITEMS SHALL BE REMOVED FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION. ANY EQUIPMENT THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW EQUIPMENT AT NO ADDITIONAL COST TO THE CONTRACT.

2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER



SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" X 36"
(4 EACH)

NOTES

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.
3. ALL PUSH BUTTONS SHALL BE APS.

0 20 40 60
SCALE IN FEET

TS SHT NO. 18

MODEL: Default
FILE NAME: \\601\Projects\2121304_CADD_01\CADD_Sheets\Woodfield-SH-18_Meacham Rd_Temp Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

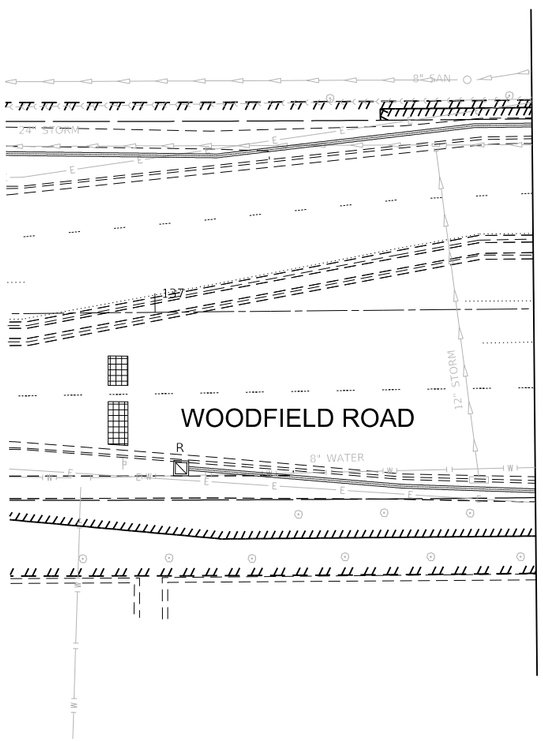
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
WOODFIELD ROAD AT MEACHAM ROAD

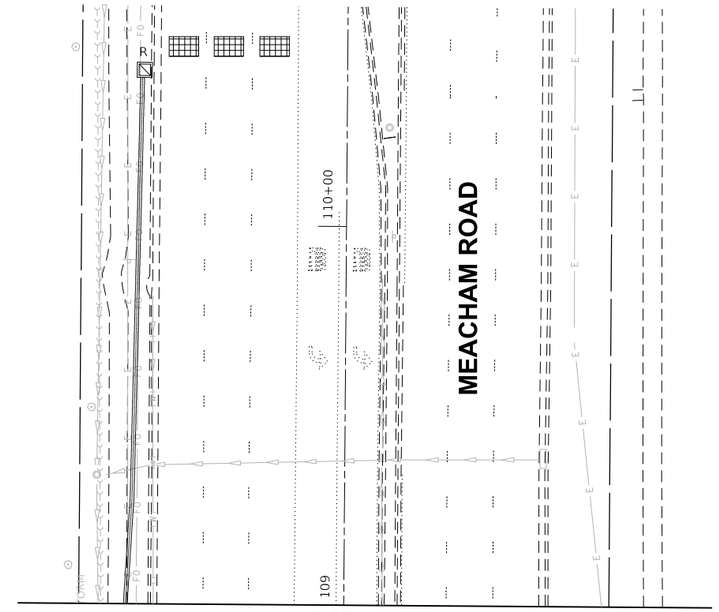
SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	103

CONTRACT NO. 61L43

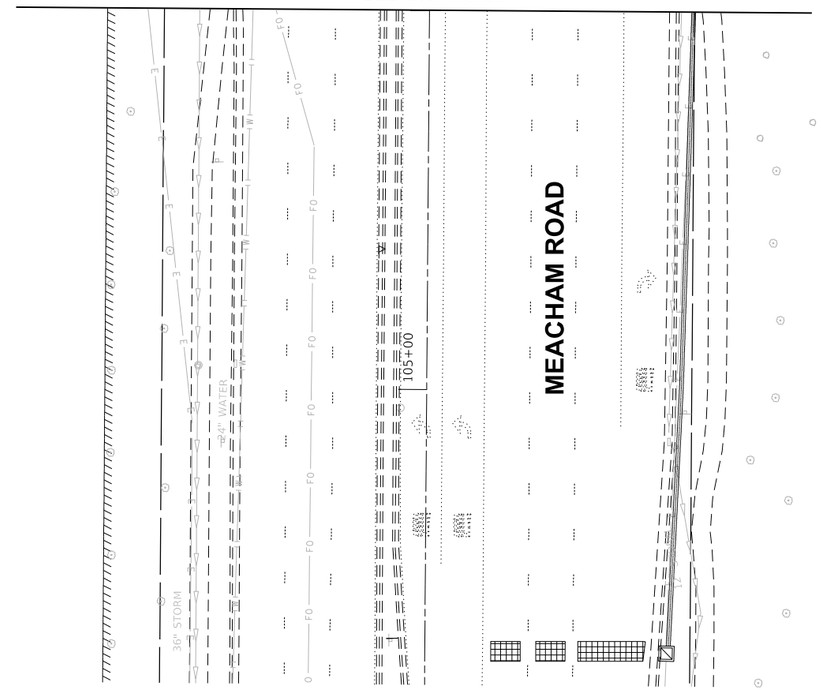
ILLINOIS | FED. AID PROJECT





MATCHLINE STA 109+00.00
SEE SHT TS-18

MATCHLINE STA 106+00.00
SEE SHT TS-18



N

0 20 40 60
SCALE IN FEET

TS SHT NO. 19

MODEL: Default
FILE NAME: \\f601\Projects\21213\04-CADD_01\CADD_Sheets\Woodfield-Sht-19_Meacham Rd_Temp Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

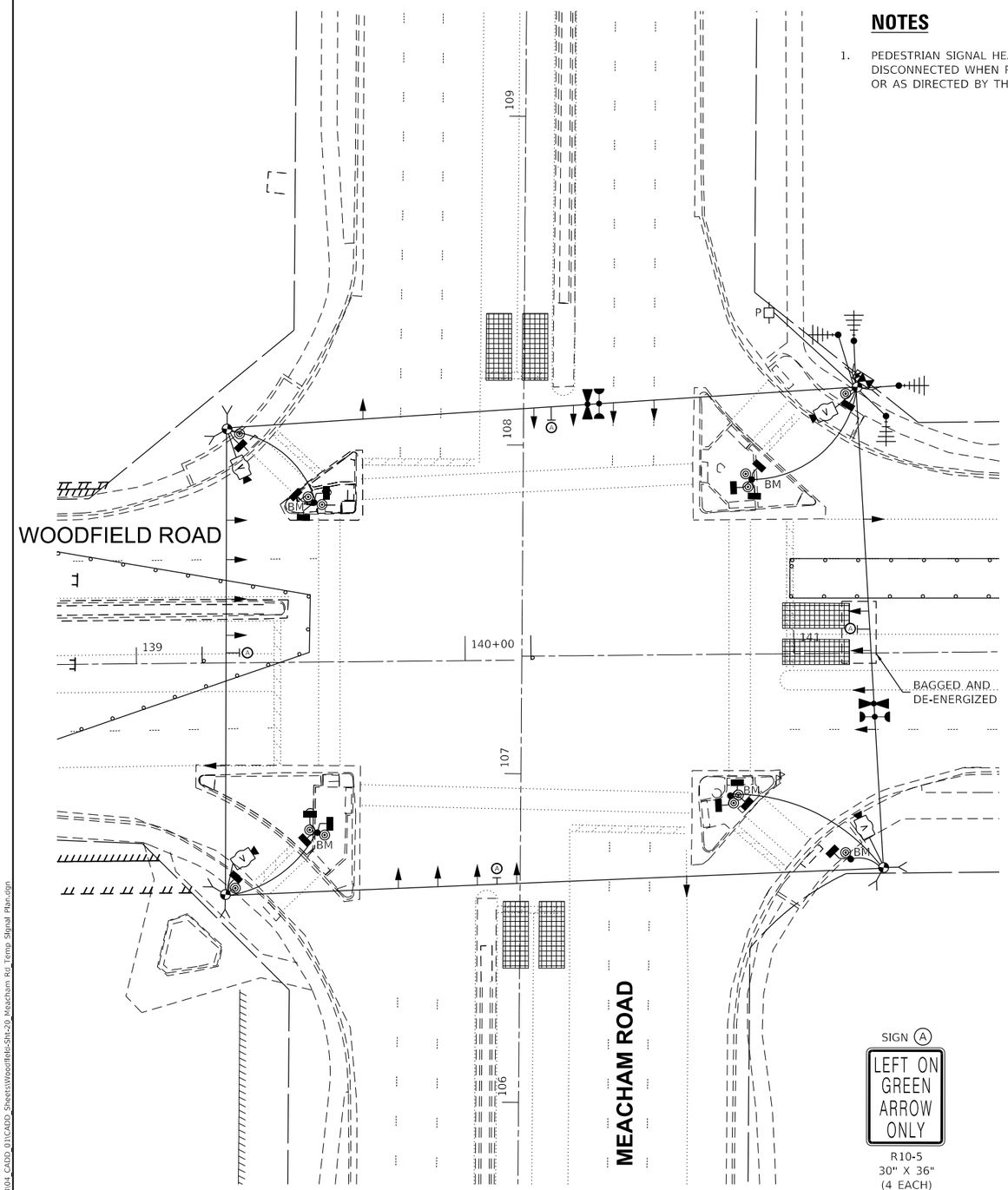
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
WOODFIELD ROAD AT MEACHAM ROAD

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

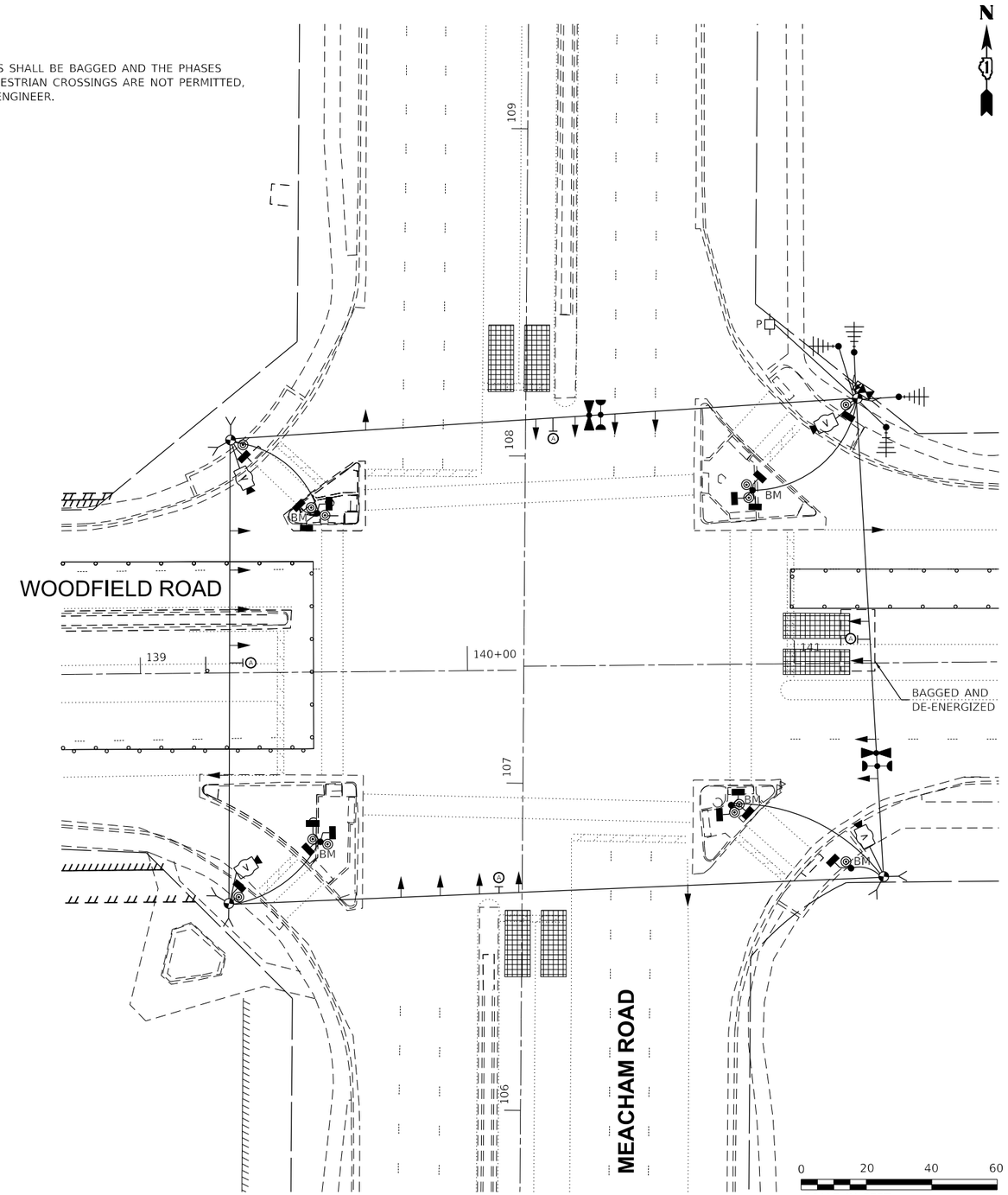
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	104
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.



MOT STAGE 1



MOT STAGE 1A, 1B, 1C

TS SHT NO. 20

MODEL: Default
FILE NAME: \\fa01\Projects\21213\04_CADD_01\CADD_Sheets\Woodfield-SH-20_Meacham Rd_Temp_Signal_Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

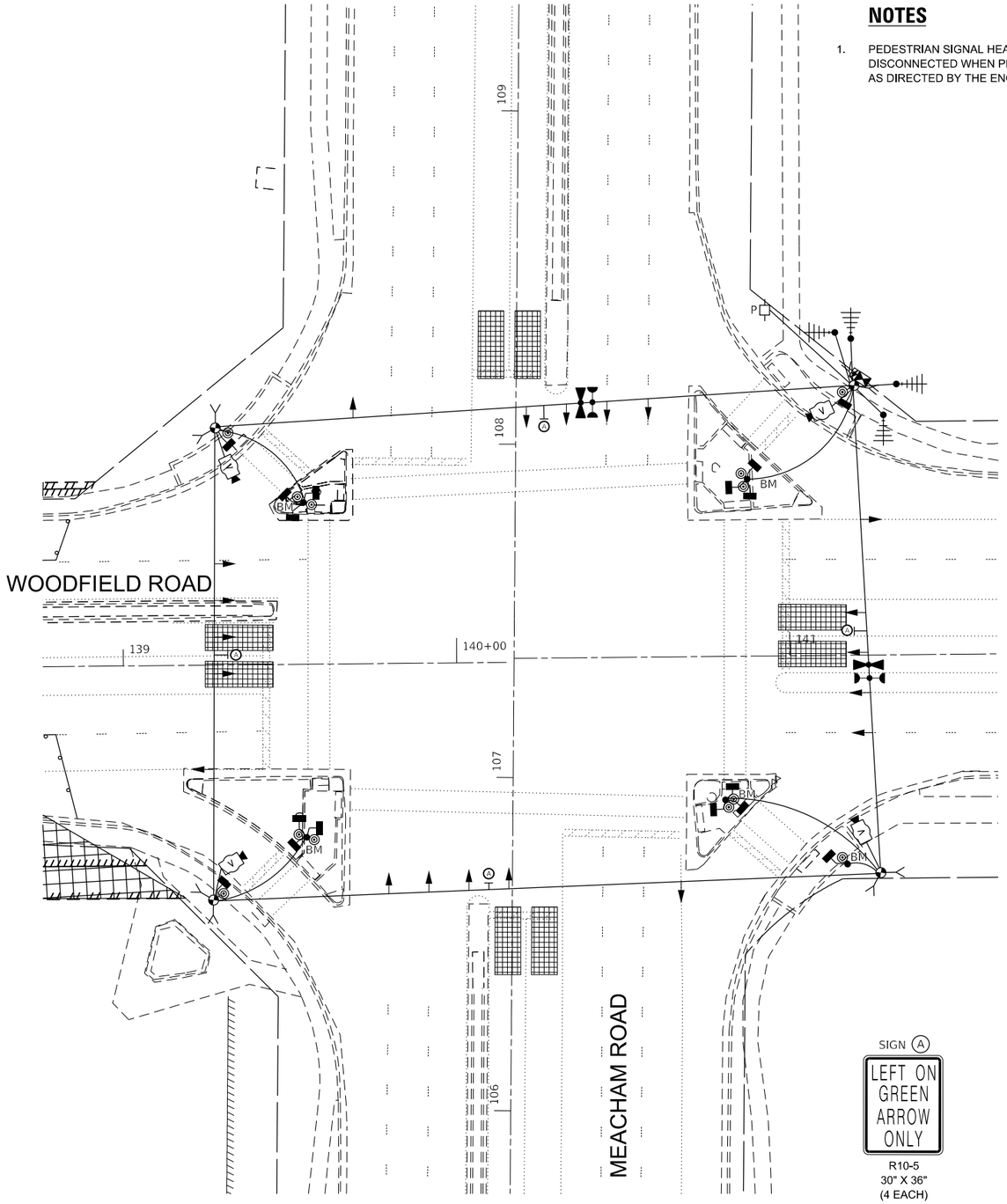
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN – STAGE 1, 1A, 1B, & 1C
WOODFIELD ROAD AT MEACHAM ROAD

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

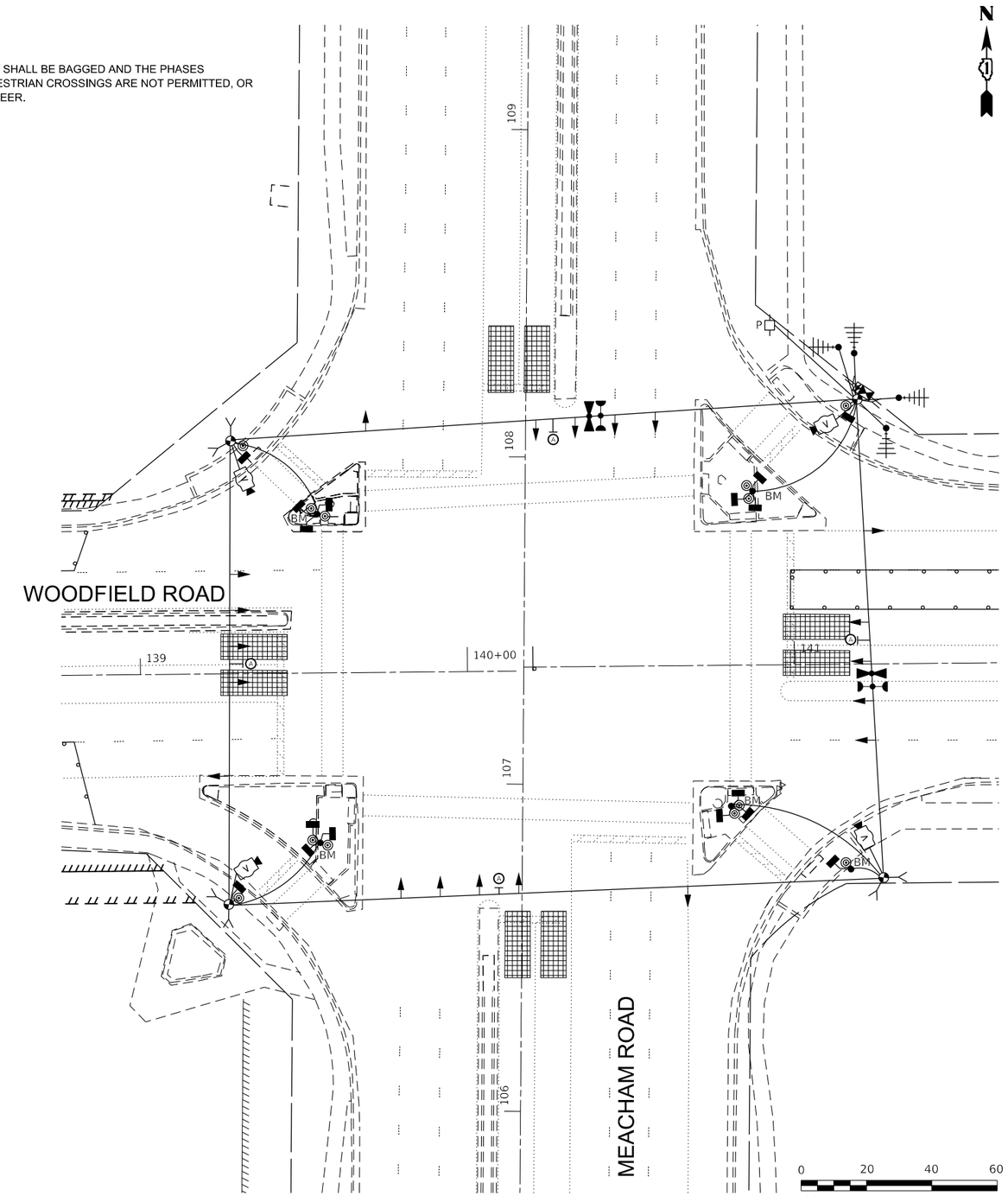
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	105
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.



MOT STAGE 2 & 2A



MOT STAGE 2B

TS SHT NO. 21

MODEL: Default
FILE NAME: \\fs01\Projects\2213\04_CADD_01\CADD_Sheets\Woodfield-Sht-21_Meacham Rd_Temp Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

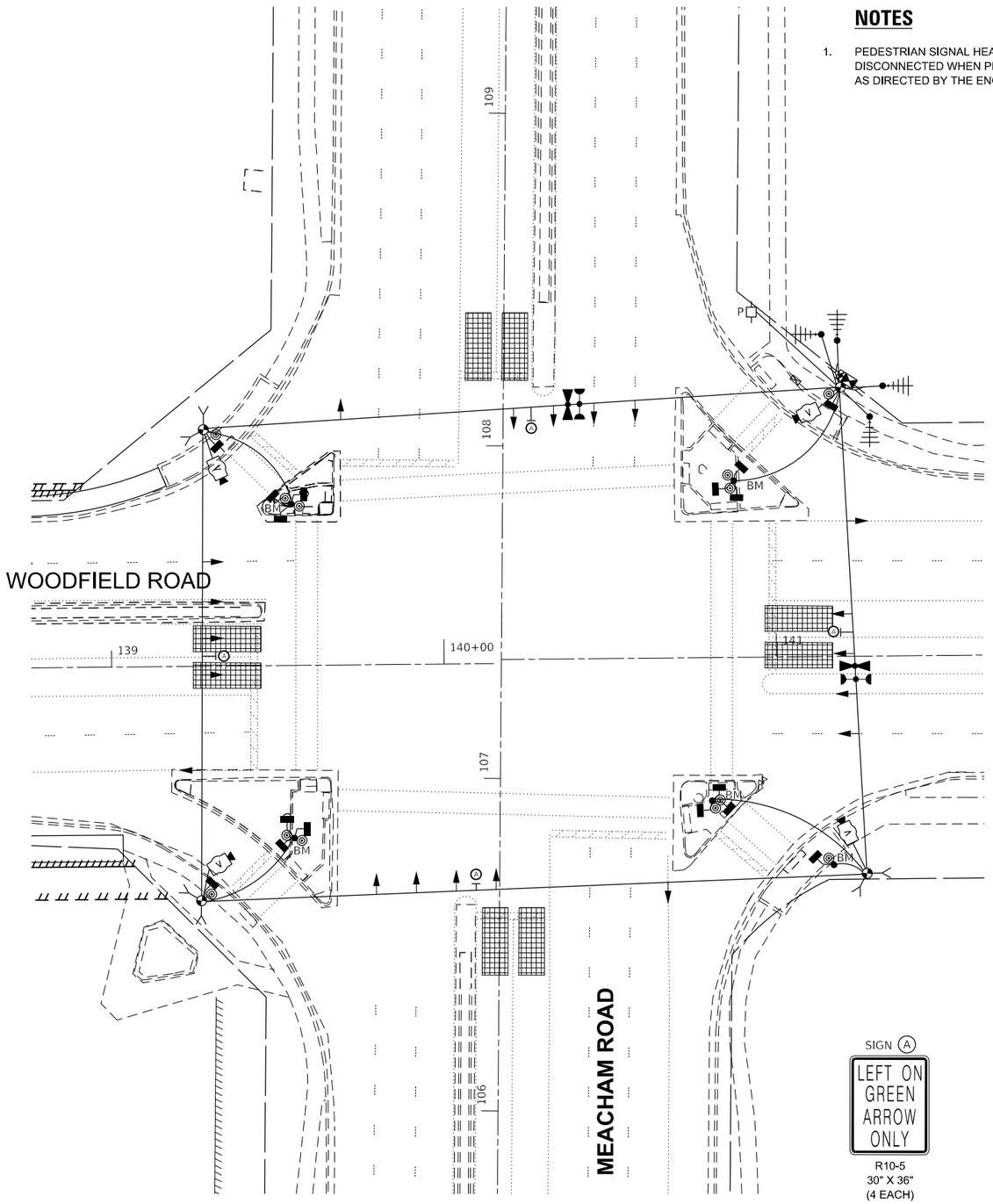
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN – STAGE 2, 2A, & 2B
WOODFIELD ROAD AT MEACHAM ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	106
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.



POST STAGE

N

0 20 40 60
SCALE IN FEET

TS SHT NO. 22

MODEL: Default
FILE NAME: \\fs01\Projects\2213\04_CADD_01\CADD_Sheets\Woodfield-Sht-22_Meacham Rd_Temp Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

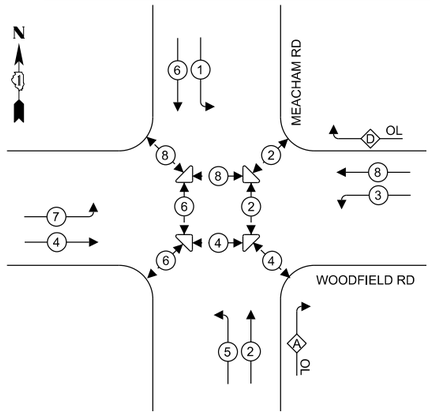
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN – POST STAGE
WOODFIELD ROAD AT MEACHAM ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	107
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONTROLLER SEQUENCE



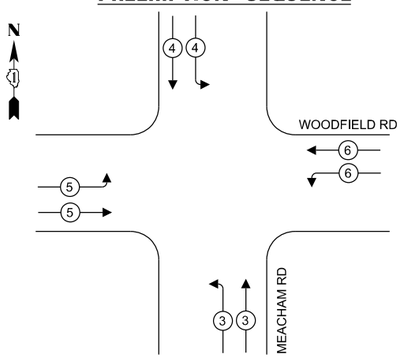
LEGEND:

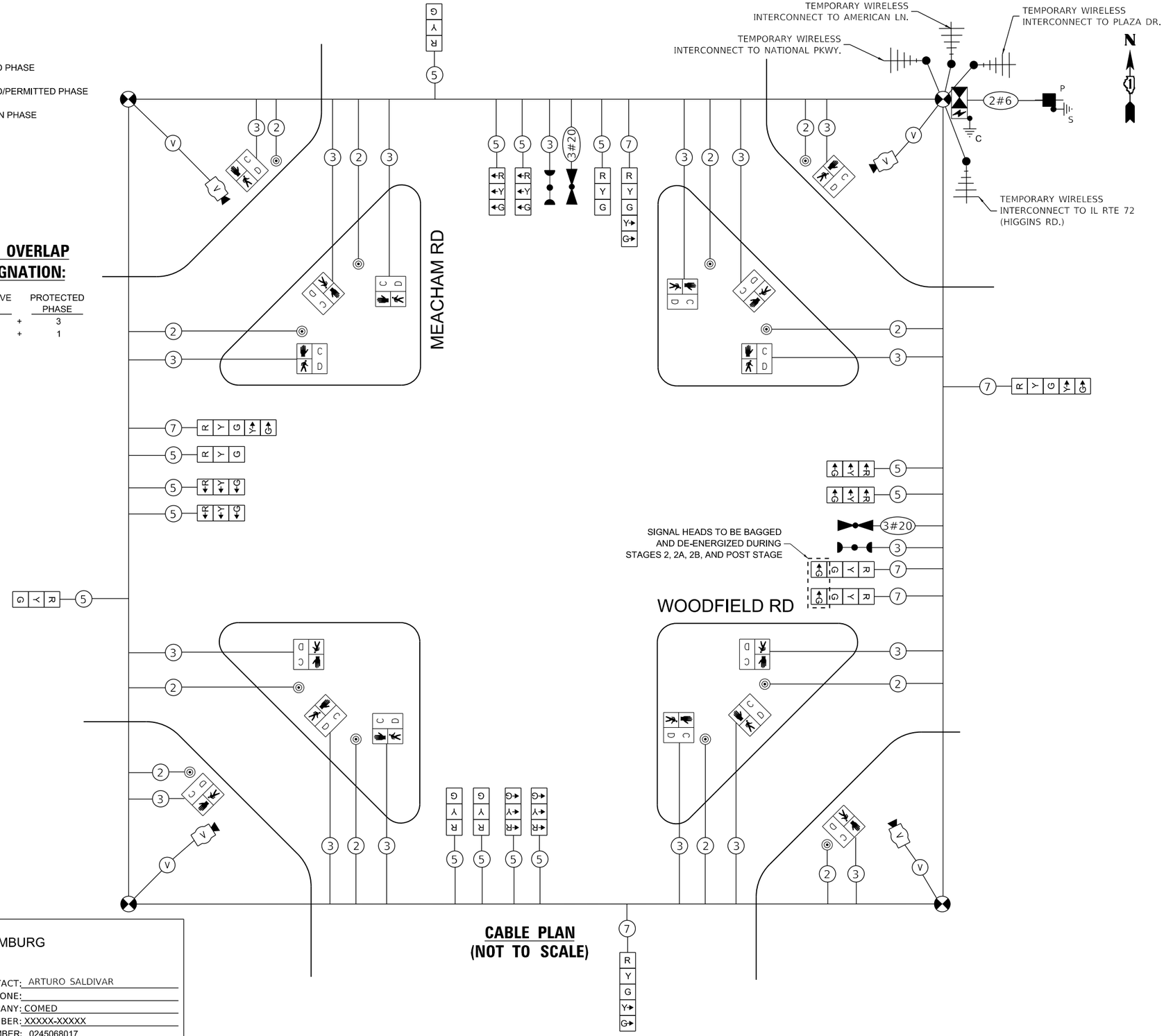
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	8	+	1

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN (NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	16	15	240
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			663
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			1,268

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: ARTURO SALDIVAR
PHONE:
COMPANY: COMED
ACCOUNT NUMBER: XXXXX-XXXXX
TOWER ACCOUNT NUMBER: 0245068017

TS SHT NO. 23

MODEL: Default
FILE NAME: \\fs01\Projects\21304_CADD_01\CADD_Sheets\Woodfield-Sht-23 Meacham Rd_Temp Cable Plan.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOODFIELD ROAD AT MEACHAM ROAD

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

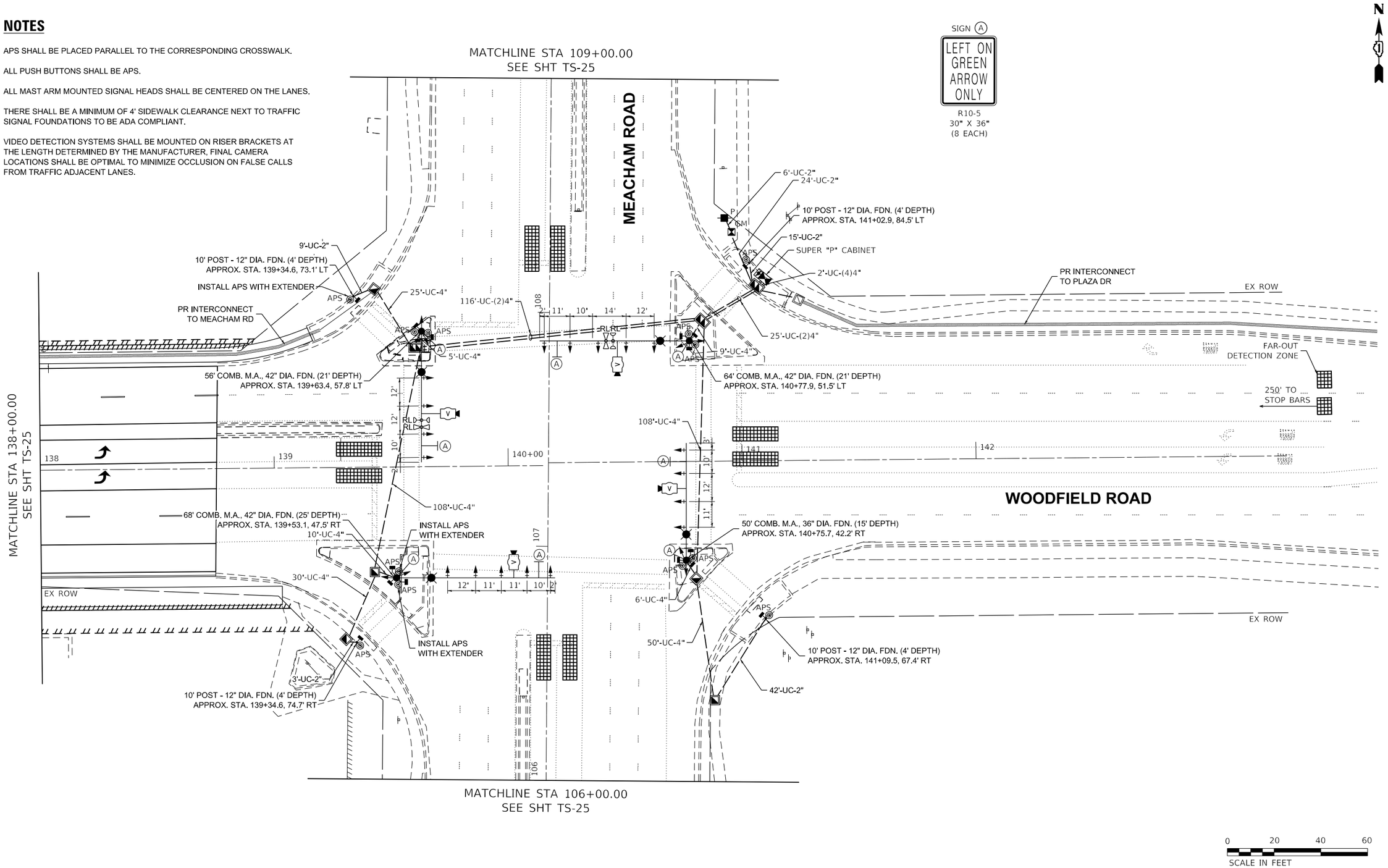
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	108

CONTRACT NO. 61L43

ILLINOIS FED. AID PROJECT

NOTES

1. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
2. ALL PUSH BUTTONS SHALL BE APS.
3. ALL MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
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.



TS SHT NO. 24

MODEL: Default
FILE NAME: \\fs01\Projects\21213\04_CADD_01\CADD_Sheets\Woodfield-SH-24_Meacham_Rd_Prop_Signal_Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

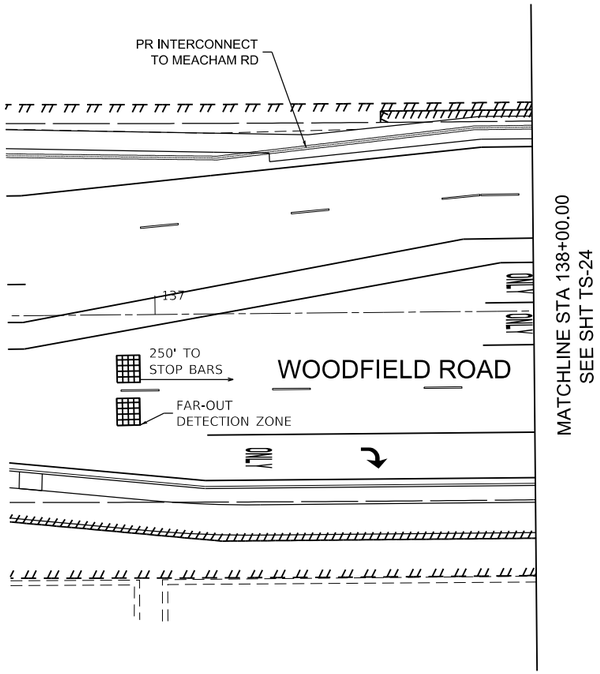
USER NAME = jturk	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/8/2025	DATE - 09/05/2025	REVISED -	

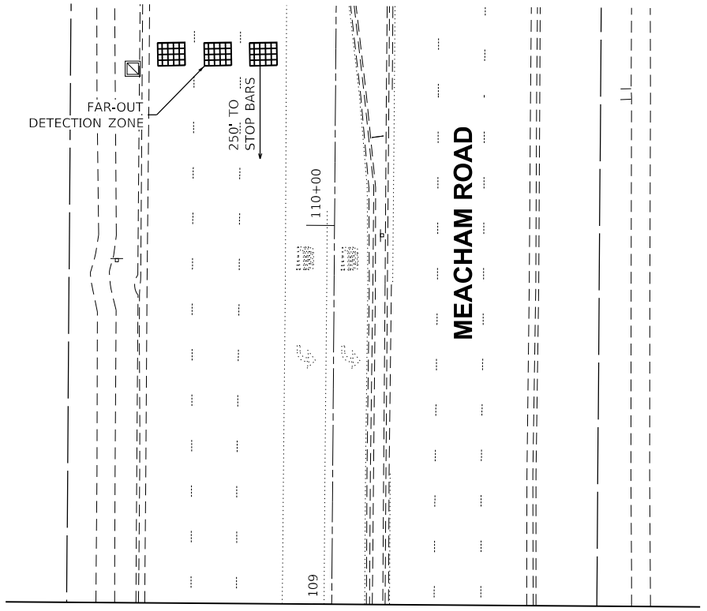
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

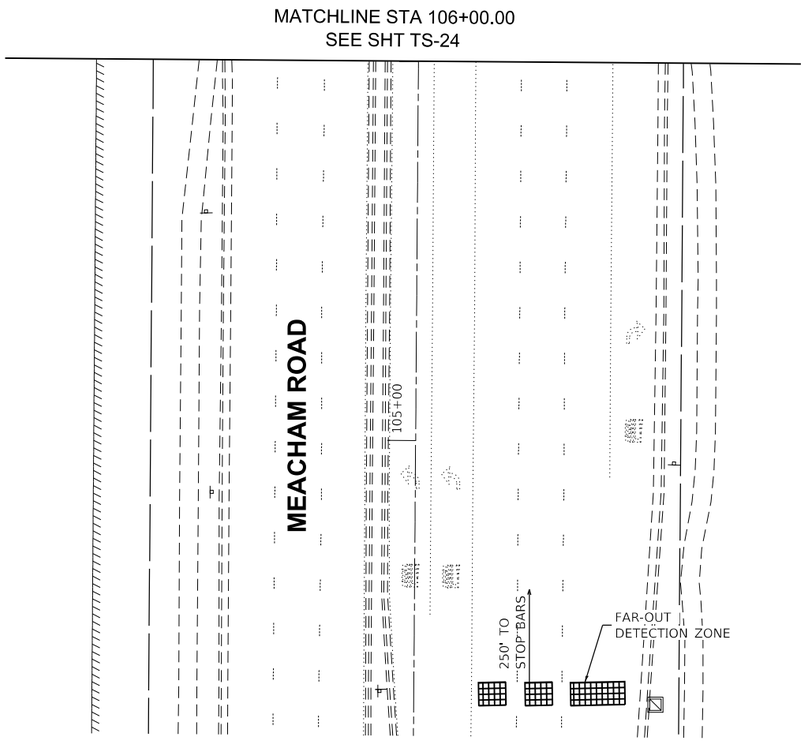
TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
WOODFIELD ROAD AT MEACHAM ROAD

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	109
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		







N

0 20 40 60
SCALE IN FEET

TS SHT NO. 25

MODEL: Default
FILE NAME: \\691\Projects\2213304_CADD_01\CADD_Sheets\Woodfield-Sht-25_Meacham Rd_Prop_Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

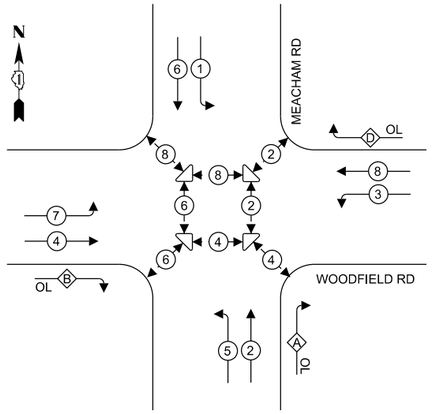
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
WOODFIELD ROAD AT MEACHAM ROAD

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	110
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

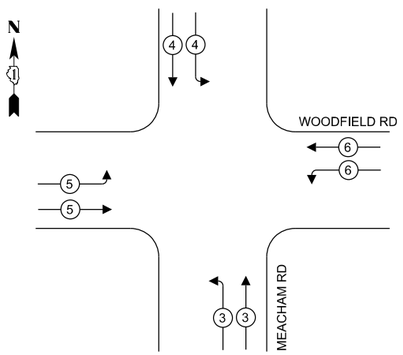
PROPOSED CONTROLLER SEQUENCE



LEGEND:

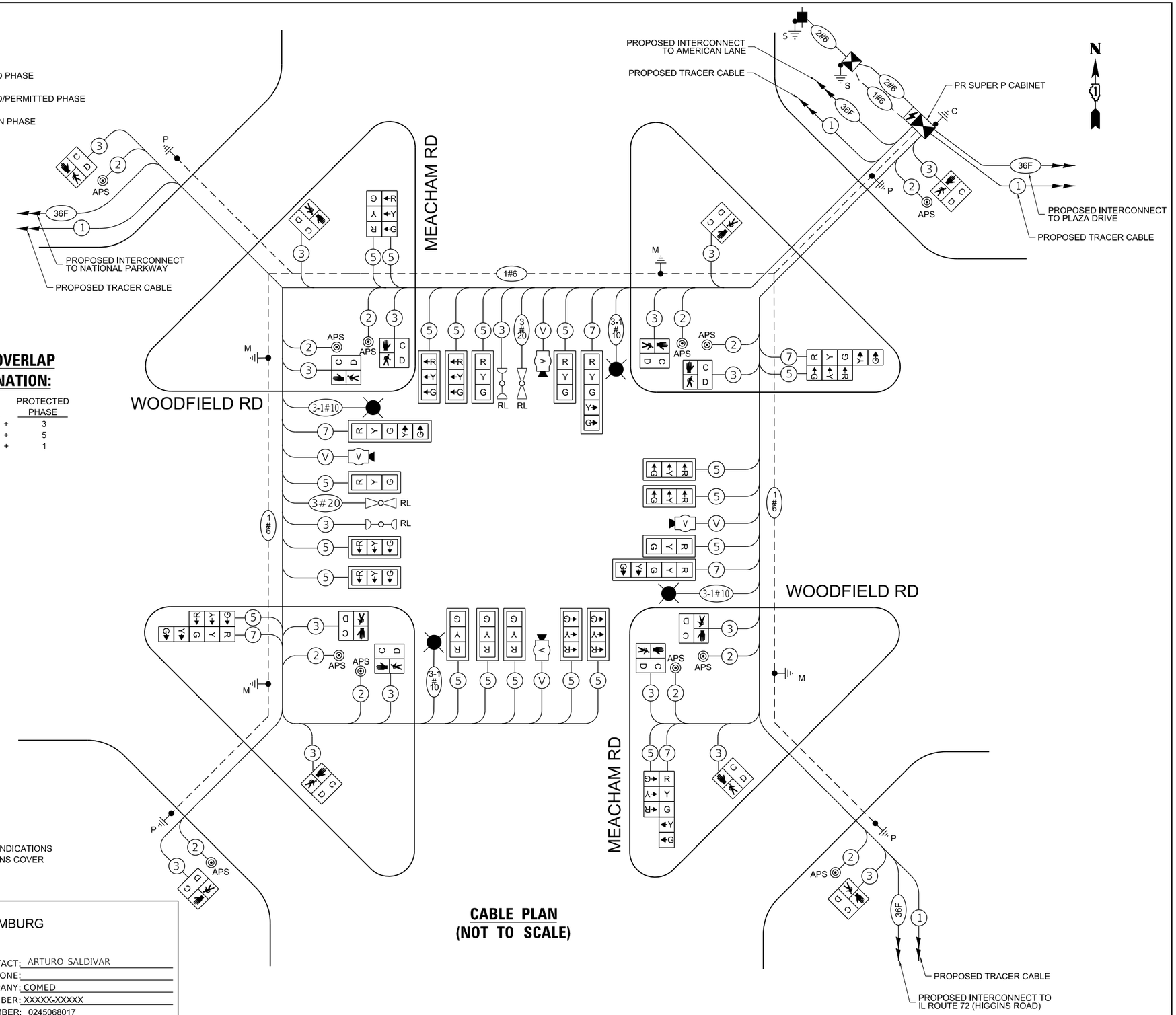
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
D	=	8	+	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	20	11	220
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	16	15	240
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			733
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			1,338

NOTES

1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193
ENERGY SUPPLY: CONTACT: ARTURO SALDIVAR
PHONE:
COMPANY: COMED
ACCOUNT NUMBER: XXXXX-XXXXX
TOWER ACCOUNT NUMBER: 0245068017

TS SHT NO. 26

MODEL: Default
FILE NAME: \\SGI1\Projects\2213\04_CADD_01\CADD_Sheets\Woodfield-Sht-26_Meacham_Rd_Prop_Cable_Plan.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

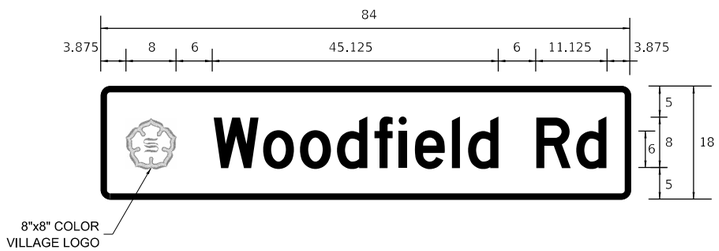
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOODFIELD ROAD AT MEACHAM ROAD

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

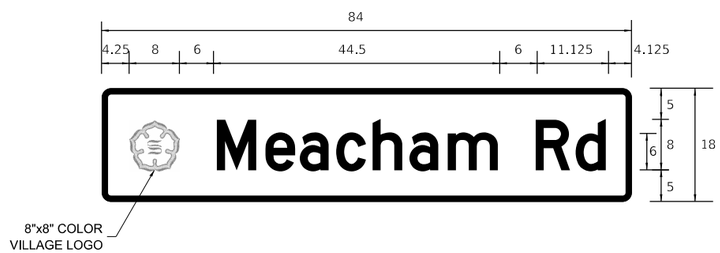
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	111
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

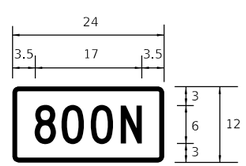
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



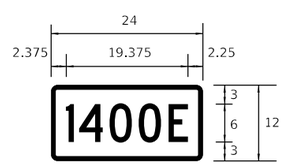
DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
D	10.5	2



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
D	10.5	2



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
C	2	2



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED
C	2	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	68
	SIGN PANEL - TYPE 2	SQ FT	42
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	99
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	641
	HANDHOLE	EACH	5
	DOUBLE HANDHOLE	EACH	3
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	881
*	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	4
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,466
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,735
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,769
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,690
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	65
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,718
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	4
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	67
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	15
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8,500
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	12
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	3
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	375
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
*	PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	4
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
	LED SIGNAL FACE, LENS COVER	EACH	26
	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF SCHAUMBURG

TS SHT NO. 27

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

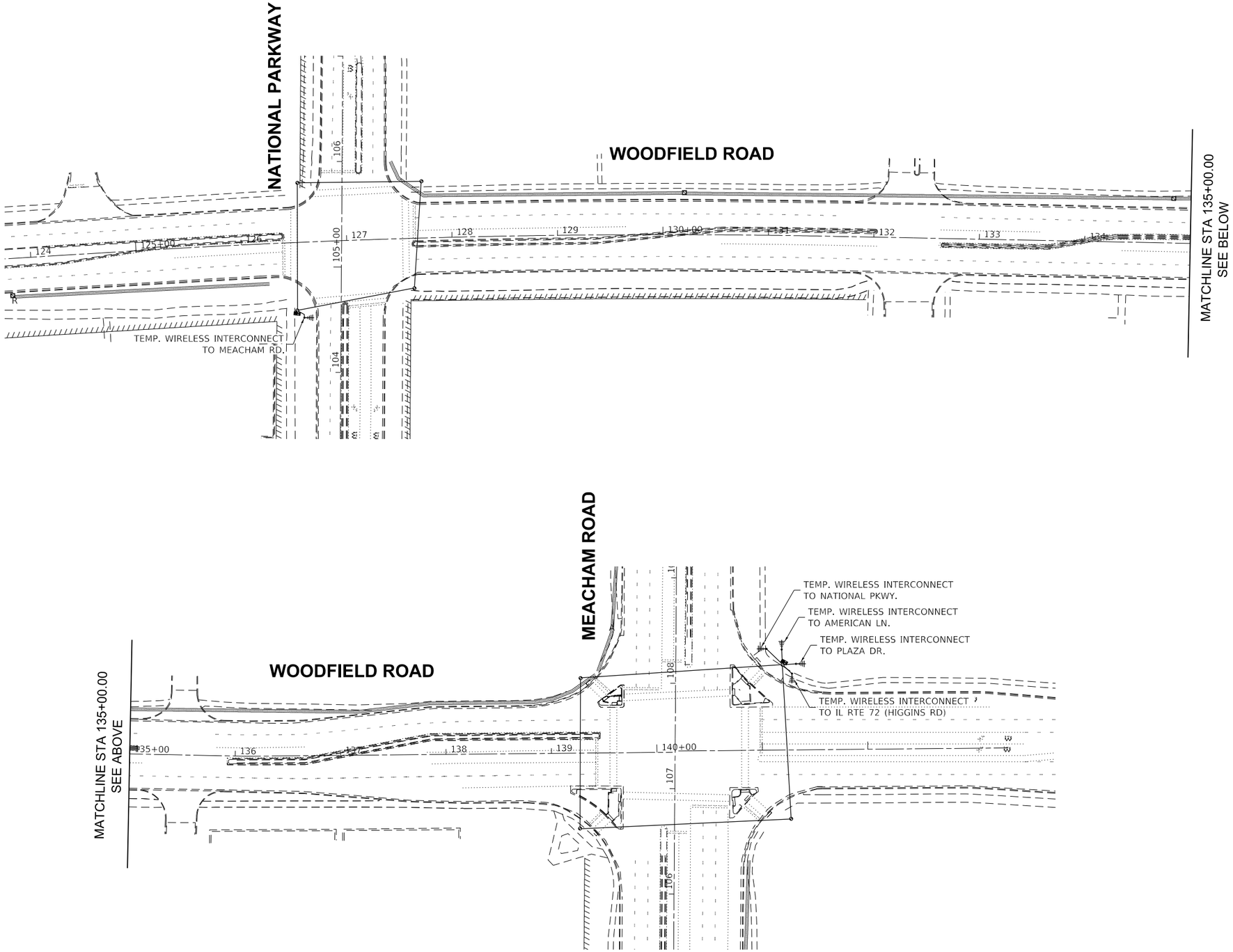
USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
WOODFIELD ROAD AT MEACHAM ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	112
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 28

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
WOODFIELD RD – FROM NATIONAL PKWY TO MEACHAM RD

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. TO STA.

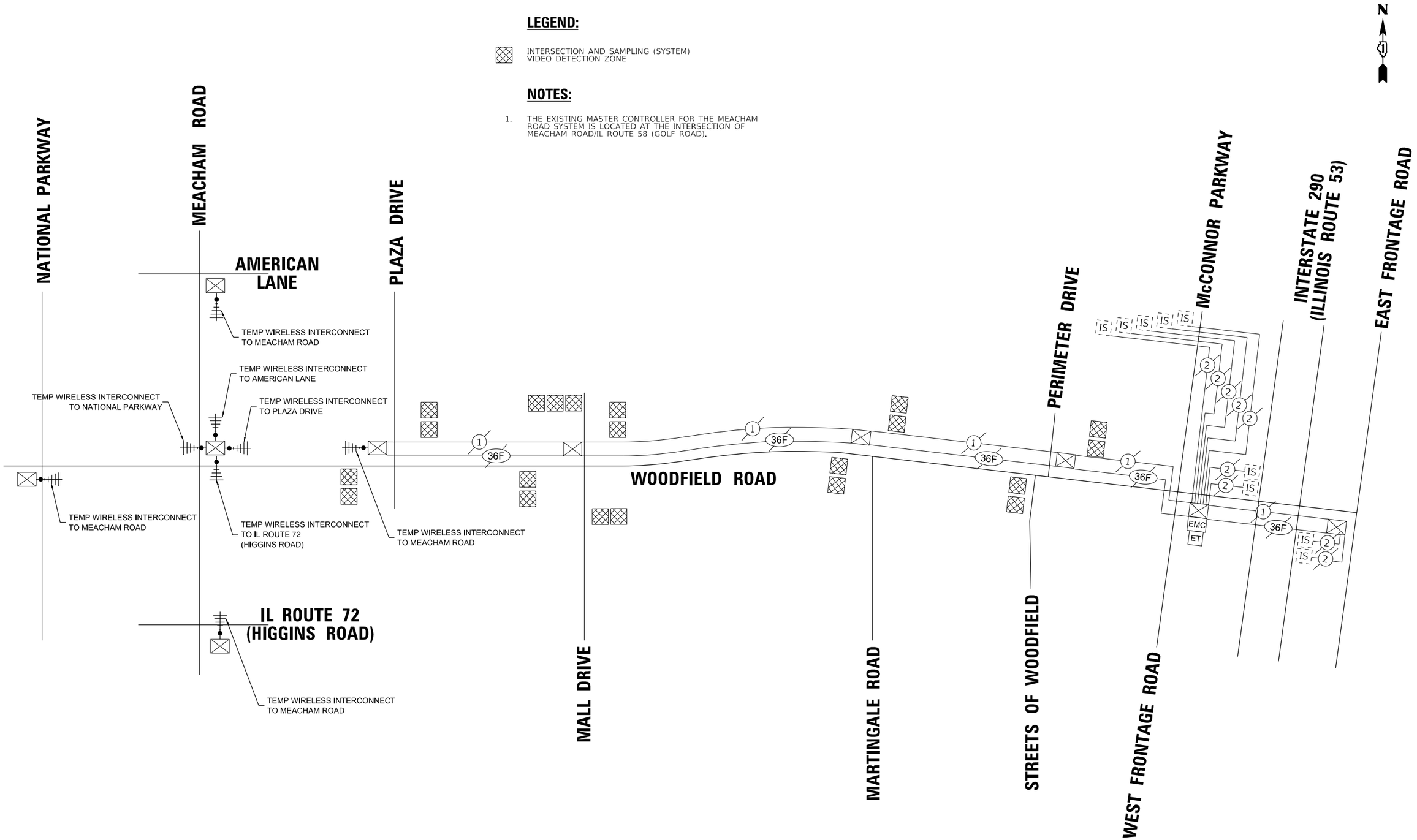
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	113
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

LEGEND:

INTERSECTION AND SAMPLING (SYSTEM) VIDEO DETECTION ZONE

NOTES:

1. THE EXISTING MASTER CONTROLLER FOR THE MEACHAM ROAD SYSTEM IS LOCATED AT THE INTERSECTION OF MEACHAM ROAD/IL ROUTE 58 (GOLF ROAD).



TS SHT NO. 29

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

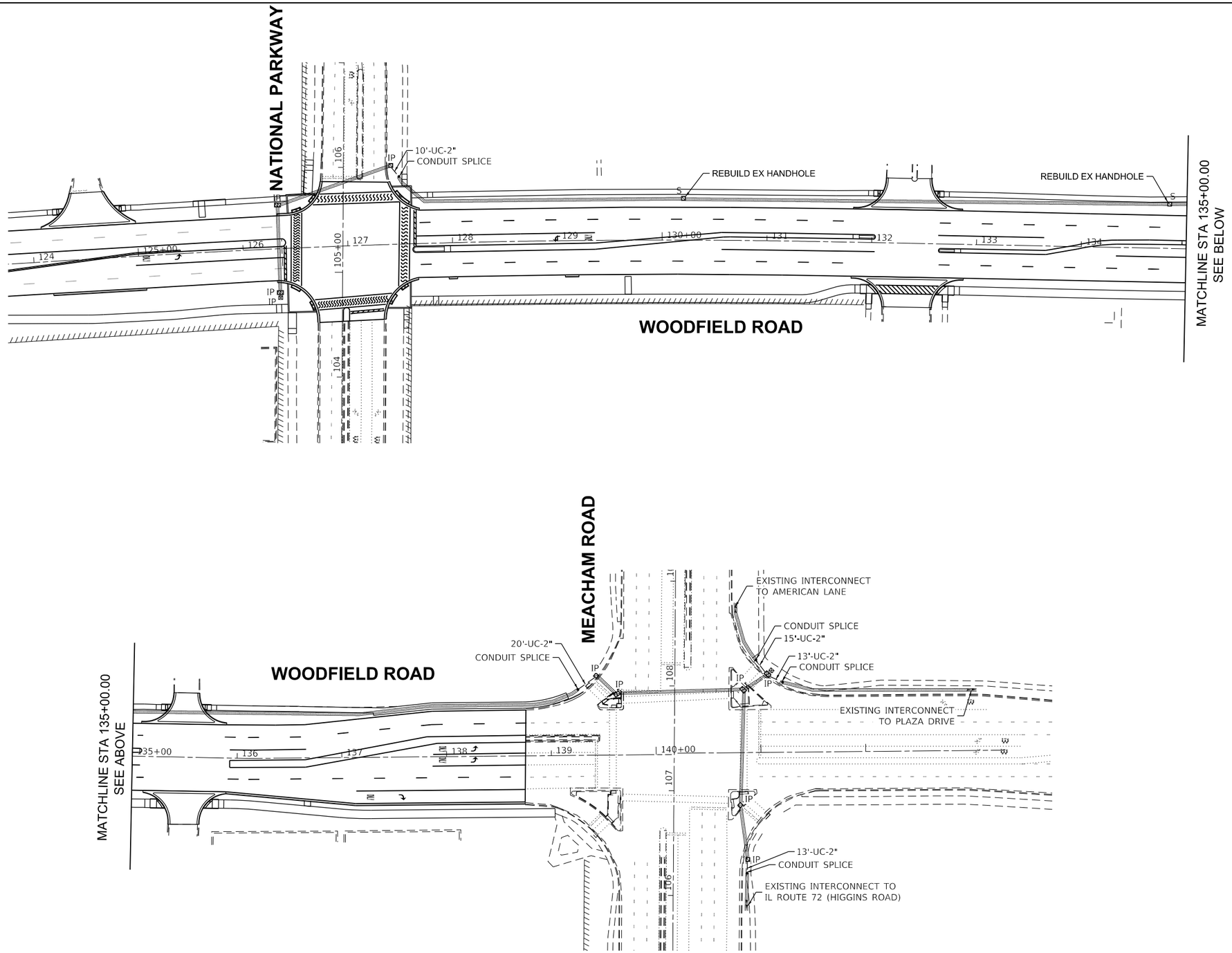
USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATICS
WOODFIELD ROAD – NATIONAL PARKWAY TO I-290 EAST FRONTAGE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	114
		CONTRACT NO. 61L43		
		ILLINOIS FED. AID PROJECT		



TS SHT NO. 30

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
WOODFIELD RD – NATIONAL PKWY TO MEACHAM RD

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	115
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

LEGEND:

INTERSECTION AND SAMPLING (SYSTEM) VIDEO DETECTION ZONE

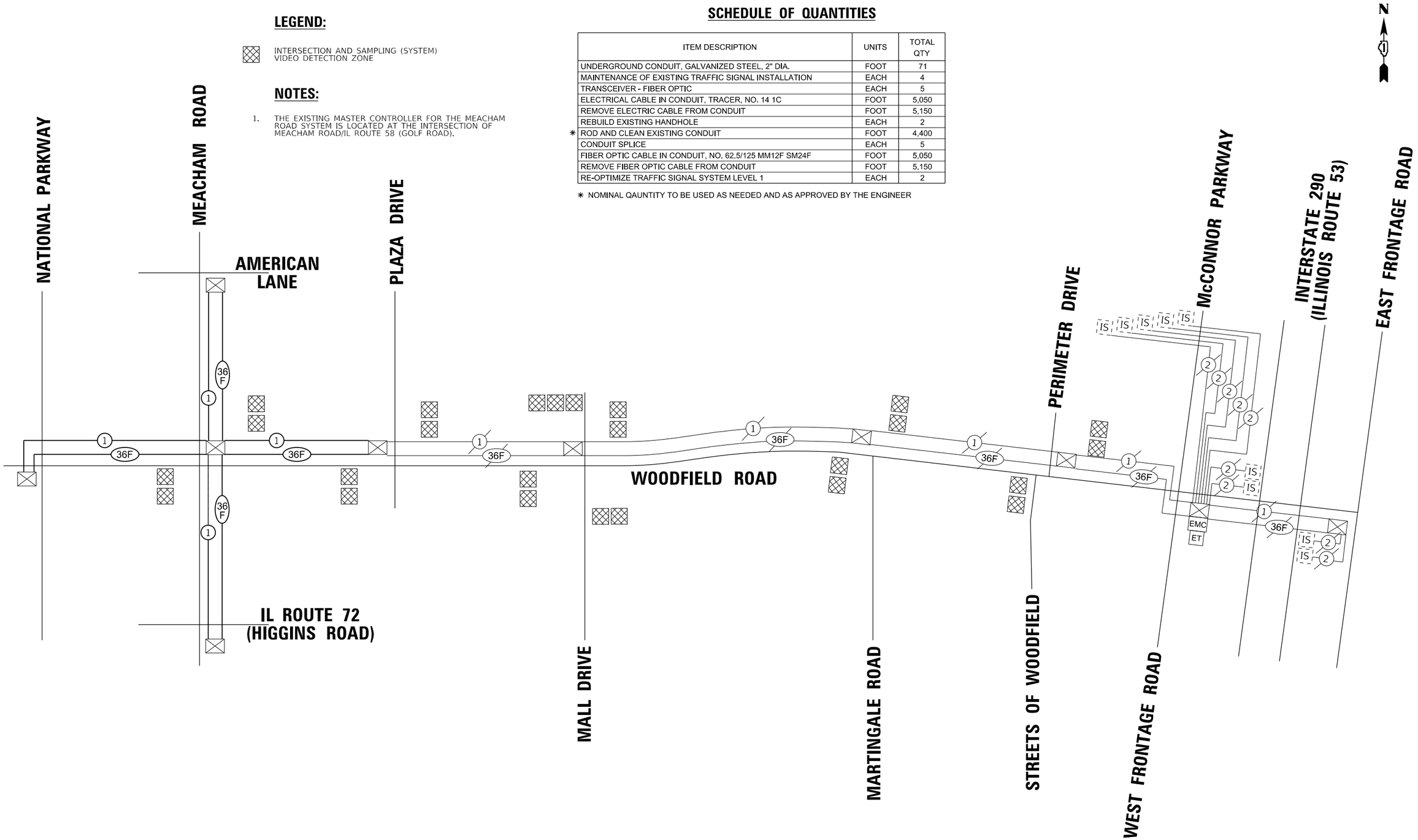
NOTES:

1. THE EXISTING MASTER CONTROLLER FOR THE MEACHAM ROAD SYSTEM IS LOCATED AT THE INTERSECTION OF MEACHAM ROAD/IL ROUTE 58 (GOLF ROAD).

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	71
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4
	TRANSCEIVER - FIBER OPTIC	EACH	5
	ELECTRICAL CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5,050
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,150
	REBUILD EXISTING HANDHOLE	EACH	2
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	4,400
	CONDUIT SPLICE	EACH	5
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F	FOOT	5,050
	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	5,150
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2

* NOMINAL QAUNTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER



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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = ggedemer	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -
PLOT DATE = 9/5/2025	DATE - 09/05/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATICS
WOODFIELD ROAD – NATIONAL PARKWAY TO I-290 EAST FRONTAGE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	116

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT

LIGHTING GENERAL NOTES

1. PRIOR TO THE INSTALLATION OF THE NEW UNIT DUCTS, CABLES, CONDUITS, JUNCTION BOXES LIGHT STANDARD FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES AND UNDERGROUND. UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. (800-893-0123) TO LOCATE AND MARK/STAKE ALL APPLICABLE UNDERGROUND UTILITIES.

2. THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS/HER WORK UNDER THIS CONTRACT OR THE OPERATION OF THE EXISTING ROADWAY LIGHTING IF ANY.

3. ALL NEW UNIT DUCTS, CONDUITS CABLES, JUNCTION BOXES AND APPURTENANCES AREDIAGRAMMATICALLY SHOWN THEREFORE THE ACTUAL LOCATION IN THE FIELD MUST MEETTHE APPROVAL OF THE ENGINEER.

4. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES DRAINS, OTHER UTILITIES AND LANDSCAPING. THE PREFERRED LOCATION OF UNIT DUCT IS 12 INCHES OFF THE THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.BACK OF CURB AND IN NO CASE SHALL IT BE CLOSER THAN 12 INCHES. LOCATIONS OF CONDUIT/UNIT DUCT GREATER THAN 12 INCHES BASED ON FIELD CONDITIONS WILL BE APPROVED BY resident ENGINEER PRIOR TO INSTALLATION.

5. ALL UNDERGROUND CONDUIT AND DUCT SHALL BE INSTALLED NOT LESS THAN 2'-9" BELOW FINISHED GRADE OR 45" BELOW THE TOP OF PAVEMENT UNLESS INDICATED OTHERWISE.

6. NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL OF THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.

7. THE ELECTRICAL MATERIAL MUST BE NEW AND OF THE TYPES AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS.

   a. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
   b. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
   c. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
   d. ILLUMINATING ENGINEERS SOCIETY OF NORTH AMERICA (IES)
   e. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
   f. U.S. DEPARTMENT OF TRANSPORTATION (USDOT)
   g. UNDERWRITERS LABORATORIES (UL)
   h. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
   i. INSULATED POWER AND CABLE ENGINEERS ASSOCIATION (IPCEA)

8. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, EVEN THOUGH EVERY DETAIL OF REQUIREMENTS IS NOT SPECIFIED OR SHOWN. GROUNDING CONDUCTORS SHALL BE CONTINUOUS.

9. IT SHALL BE THE CONTRACTOR RESPONSIBILITY TO MARK THE PROPOSED LOCATION OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION BY THE RESIDENT ENGINEER.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE. BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATIONS, HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.

11. HELIX FOUNDATION SHALL BE PER DETAIL PROVIDED PER SHEET 64. BOLT CIRCLE, SHAFT DIAMETER, SHAFT LENGTH AND BASEPLATE DIMENSIONS SHALL BE PER TABLE PROVIDED AND POLE MOUNTING HEIGHT.

12. FOR ALL CONCRETE FOUNDATIONS A MINIMUM OF 2 SLEEVES SHALL BE PROVIDED REGARDLESS OF WHAT IS BEING INSTALLED, THE SLEEVES SHALL BE SEALED AND CAPPED TO PREVENT MOISTURE OR CONTAMINANTS, MATERIAL AND LABOR WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE PAY ITEM FOR LIGHT POLE FOUNDATIONS.

13. TO MAINTAIN STRUCTURAL INTEGRITY OF ALUMINUM POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINARIES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINARIES ARE INSTALLED.

14. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.

15. THE INSTALLATION OF BURIED WARNING TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

16. NO UNDERGROUND SPLICING OF CABLE IS PERMITTED.

17. SEE CIVIL DEMOLITION PLAN FOR REMOVED LIGHT POLES WITHIN THE PROJECT'S SCOPE (ALL EXISTING LIGHTING UNIT TO BE REMOVED ALONG WITH ASSOCIATED CABLE AND CONDUIT IN ITS ENTIRETY BACK TO CONTROLLER SOURCE.

18. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED AND LABELED.

19. ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION AND ALL LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.

LIGHTING GENERAL NOTES (CONT.)

20. ALL CIRCUITS SHALL BE TESTED PER SPECIFICATIONS.

21. FOR COMED SERVICE FOR TEMPORARY CONTROLLER CONTACT COMED AT LEAST 60 DAYS BEFORE THE DATE REQUIRED FOR COMED WORK TO START.

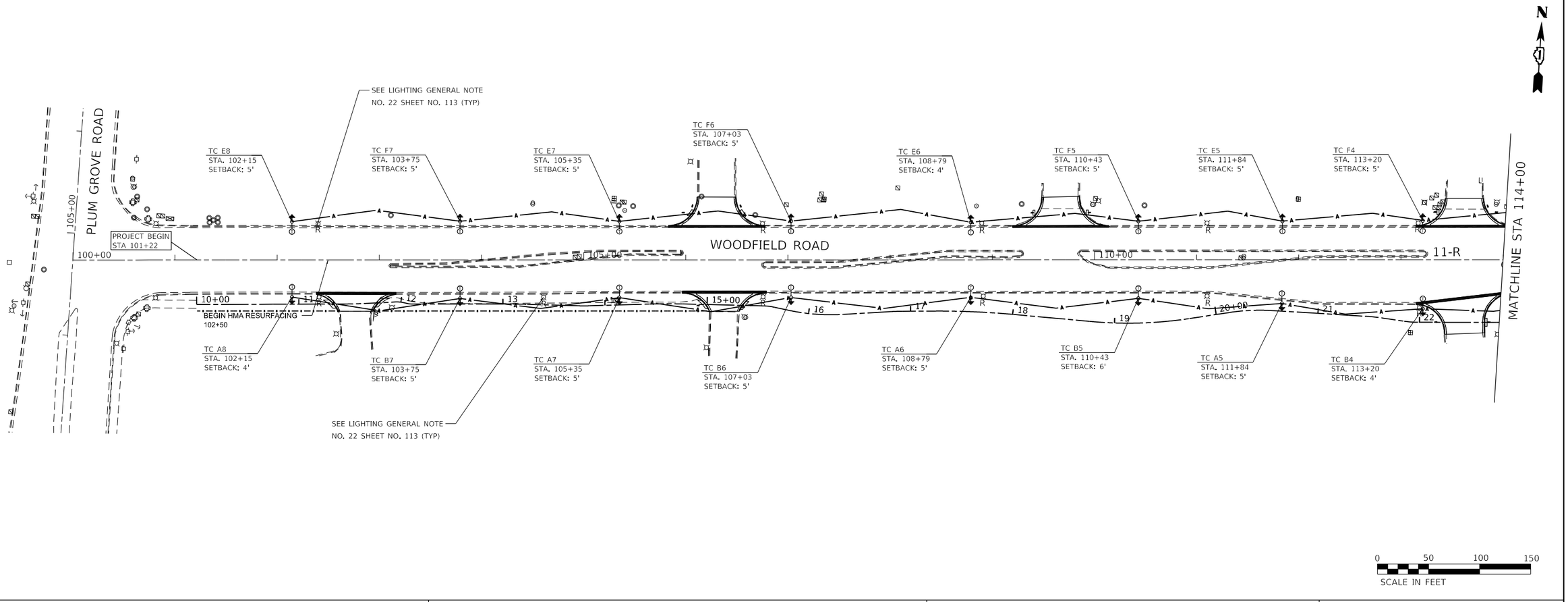
22. REMOVE EXISTING LIGHTING UNIT INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRITY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED, TESTED AND FULLY OPERATIONAL. SALVAGE LIGHTING UNIT INCLUDING LIGHT POLE, MAST ARM AND LUMINAIRE AND RETURN TO OWNER AT LOCATION AS DIRECTED BY OWNER.

23. SELECT HELIX BOLT CIRCLE, SHAFT DIAMETER SHAFT LENGTH AND BASEPLATE DIMENSIONS SO LUMEC POLE ATR106V-38-BAB30.5(2)-CAP3-GF11-VD-BE6TX FITS PROPERLY AND PLUMB SECURE INSTALLATION. FOR 38' POLE USE HELIX FOUNDATION WITH 15" BOLT CIRCLE,8-5/8 " DIAMETER, AND BASEPLATE 15"X15"X1-1/4", F OR HELIX FOUNDATION SEE LIGHTING DETAILS SHEET.

24. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB, OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST AND REPLACEMENT SHALL MEET THE APPROVAL OF THE ENGINEER.

SCHEDULE OF QUANTITIES

CODED PAY ITEM NO	ITEM	UNIT	TOTAL QUANTITY
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4' DIA. FOOT	FOOT	1275
81400200	HEAVY DUTY HANDHOLE	EACH	4
81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	7300
81800300	AERIAL CABLE, 3-1/C NO 2 WITH MESSENGER WIRE	EACH	120
83600356	LIGH POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8-5/8" X 6'	EACH	44
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	44
84200500	REMOVAL OF LIGHTINT UNIT, SALVAGE	EACH	34
84200804	REMOVAL OF POLE FOUNDATION	EACH	34
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7300
X1400238	LUMINAIRE, LED, SPECIAL	EACH	44
X1400346	MAST ARM, STEEL, 8 FOOT	EACH	44
X8040104	TEMPORARY ELECTRIC SERVICE INSTALLATION	EACH	1
X8163577	UNIT DUCT, 600V, 4-1C NO. 8, 3-1/C NO. 2 AND 1/C NO. 2 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	7774
X8180064	AERIAL CABLE REMOVAL	FOOT	7420
X8211001	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION B	EACH	44
X8250060	TEMPORARY LIGHTING CONTROLLER	EACH	1
X8250507	MAINTAIN EXISTING LIGHTING CONTROLLER	EACH	1
X8300001	LIGHT POLE (SPECIAL)	EACH	44
X8302140	WOOD POLE, 40 FT, CLASS 4	EACH	45
X8380075	BREAKAWAY DEVICE, TRANSFORMER BASE (SPECIAL)	EACH	44
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	44
Z0033028	MAINTENACE OF LIGHTING SYSTEM	CAL MO	18



TEMPORARY LIGHTING NOTES:

1. SETBACK IS MEASURED FROM EXISTING FACE OF CURB TO THE CENTER OF THE LIGHT POLE FOR THE TEMPORARY LIGHTING UNITS.

2. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY LIGHTING EQUIPMENT AFTER ALL PERMANENT PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

3. ALL TEMPORARY LIGHTING EQUIPMENT REMOVAL WILL BE INCLUDED IN THE COST OF THE PAY ITEM FOR THE TEMPORARY WOOD POLE.

4. ALL MATERIALS, EQUIPMENT, AND LABOR NEEDED TO INSTALL AND CONNECT THE SERVICE FROM THE COMED UTILITY TRANSFORMER TO THE TEMPORARY LIGHTING CONTROLLED CABINET, SHALL BE PART OF THE PAY ITEM NO. 80400100 "ELECTRIC SERVICE INSTALLATION" THAT SHALL INCLUDE METER SOCKET, CABLE AND OTHER NEEDED MATERIAL. ALL CONNECTIONS SPLICING AND WIRING TO THE TEMPORARY LIGHTING CONTROLLER IS INCLUDED UNDER SAME PAY ITEM.

5. THE ELECTRIC SERVICE SHALL BE 240/120V SINGLE PHASE 3 WIRE SYSTEM. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTOCELL.

6. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.

TEMPORARY LIGHTING NOTES:

7. THE LAYOUT OF TEMPORARY POLE EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, UTILITY IMPACTS AND ELECTRIC SERVICE LOCATION AS COORDINATED WITH ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF TEMPORARY POLES, THE PLAN MUST BE APPROVED BY ENGINEER BEFORE ANY POLES ARE PLACED.

8. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER.

9. REMOVE ALL EXISTING LIGHT UNITS TAG"R" INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRETY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED TESTED AND FULLY OPERATIONAL.

10. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

11. TEMPORARY LIGHTING SHALL BE REMOVED ONCE THE PERMANENT LIGHTING IS INSTALLED AND OPERATIONAL. THE COST TO REMOVE AERIAL CABLE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE TEMPORARY LIGHT UNIT.

12. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY LIGHTING WITHIN PROJECT LIMITS FOR THE DURATION OF THE PROJECT. ANY DAMAGE INCURRED DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED SO SERVICE IS NOT DISRUPTED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS

TEMPORARY LIGHTING LEGEND:

GROUND ROD 5/8" X 10'.

USE 40' TEMPORARY LIGHTING UNIT WOOD POLE CLASS 4 8-FT MAST ARM, 26-FT MOUNTING HEIGHT.

TEMPORARY LIGHTING CABINET "TC" SINGLE DOOR, 100A, 120/240V SINGLE PHASE.

TEMPORARY ELECTRIC SERVICE TRANSFORMER BY COMED ON PROPOSED UTILITY POLE.

AERIAL CABLE, 2-1/C NO 6 WITH MESSENGER WIRE (81800230).

R REMOVE EXISTING LIGHTING UNIT INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRITY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED TESTED AND FULLY OPERATIONAL. SALVAGE LIGHTING UNIT INCLUDING LIGHT POLE ,MAST ARM AND LUMINAIRE AND RETURN TO OWNER AT LOCATION AS DIRECTED BY OWNER.

TC PROVIDE A 100AMP 120/240V SINGLE PHASE 3W TEMPORARY LIGHTING CONTROLLER AND COORDINATE WITH COMED TO PROVIDE POWER TO TC.

TEMPORARY WOOD POLE, 40 FT, CLASS 4

LOAD TABLE:

TEMPORARY LIGHTING CONTROLLER "TC" (240V)

CIRCUIT	RED PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	2.4	576	B	2.1	504
C	1.2	288	D	0.9	216
E	2.4	576	F	2.1	504
G	1.2	288	H	0.9	216
TOTAL LOAD ON TEMPORRAY CONTROLLER=13.2 AMPS					

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Globetrotters® Engineering Corporation

USER NAME = mohammedali	DESIGNED - RH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/4/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

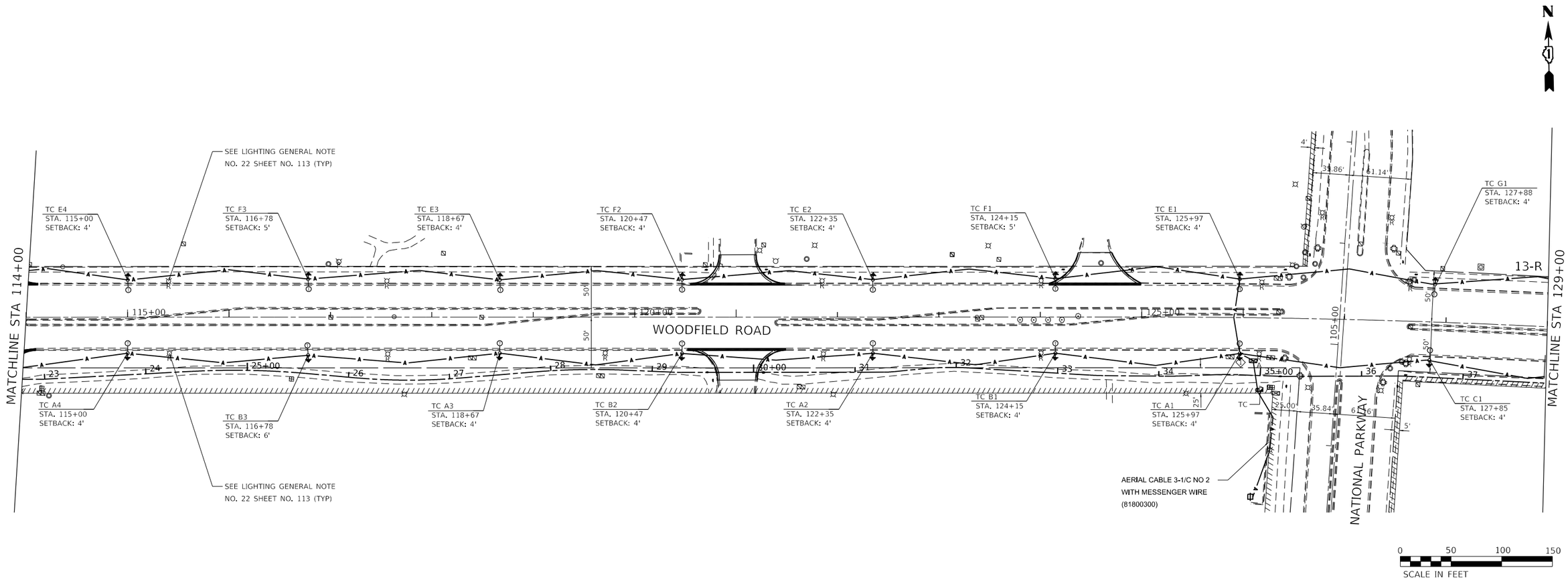
WOODFIELD ROAD
TEMPORARY LIGHTING DETAILS

SCALE: 1" = 50' | SHEET 1 OF 3 SHEETS | STA. 100+00 TO STA. 114+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	118

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



TEMPORARY LIGHTING NOTES:

1. SETBACK IS MEASURED FROM EXISTING FACE OF CURB TO THE CENTER OF THE LIGHT POLE FOR THE TEMPORARY LIGHTING UNITS.

2. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY LIGHTING EQUIPMENT AFTER ALL PERMANENT PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

3. ALL TEMPORARY LIGHTING EQUIPMENT REMOVAL WILL BE INCLUDED IN THE COST OF THE PAY ITEM FOR THE TEMPORARY WOOD POLE.

4. ALL MATERIALS, EQUIPMENT, AND LABOR NEEDED TO INSTALL AND CONNECT THE SERVICE FROM THE COMED UTILITY TRANSFORMER TO THE TEMPORARY LIGHTING CONTROLLED CABINET, SHALL BE PART OF THE PAY ITEM NO. 80400100 "ELECTRIC SERVICE INSTALLATION" THAT SHALL INCLUDE METER SOCKET, CABLE AND OTHER NEEDED MATERIAL. ALL CONNECTIONS SPLICING AND WIRING TO THE TEMPORARY LIGHTING CONTROLLER IS INCLUDED UNDER SAME PAY ITEM.

5. THE ELECTRIC SERVICE SHALL BE 240/120V SINGLE PHASE 3 WIRE SYSTEM. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTOCELL.

6. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.

TEMPORARY LIGHTING NOTES:

7. THE LAYOUT OF TEMPORARY POLE EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, UTILITY IMPACTS AND ELECTRIC SERVICE LOCATION AS COORDINATED WITH ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF TEMPORARY POLES, THE PLAN MUST BE APPROVED BY ENGINEER BEFORE ANY POLES ARE PLACED.

8. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER.

9. REMOVE ALL EXISTING LIGHT UNITS TAG"R" INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRETY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED TESTED AND FULLY OPERATIONAL.

10. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

11. TEMPORARY LIGHTING SHALL BE REMOVED ONCE THE PERMANENT LIGHTING IS INSTALLED AND OPERATIONAL. THE COST TO REMOVE AERIAL CABLE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE TEMPORARY LIGHT UNIT.

12. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING TEMPORARY 100A LIGHTING CONTROLLER COORDINATING WITH COMED TO POWER SAME. THE MAINTENANCE OF ALL TEMPORARY LIGHTING WITHIN PROJECT LIMITS FOR THE DURATION OF THE PROJECT. ANY DAMAGE INCURRED DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED SO SERVICE IS NOT DISRUPTED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS.

TEMPORARY LIGHTING LEGEND:

GROUND ROD 5/8" X 10'.

USE 40' TEMPORARY LIGHTING UNIT WOOD POLE CLASS 4 8-FT MAST ARM, 26-FT MOUNTING HEIGHT.

TEMPORARY LIGHTING CABINET "TC" SINGLE DOOR, 100A, 120/240V SINGLE PHASE.

TEMPORARY ELECTRIC SERVICE TRANSFORMER BY COMED ON PROPOSED UTILITY POLE.

A — AERIAL CABLE, 2-1/C NO 6 WITH MESSENGER WIRE (81800230).

R REMOVE EXISTING LIGHTING UNIT INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRITY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED TESTED AND FULLY OPERATIONAL. SALVAGE LIGHTING UNIT INCLUDING LIGHT POLE ,MAST ARM AND LUMINAIRE AND RETURN TO OWNER AT LOCATION AS DIRECTED BY OWNER.

TC PROVIDE A 100AMP 120/240V SINGLE PHASE 3W TEMPORARY LIGHTING CONTROLLER AND COORDINATE WITH COMED TO PROVIDE POWER TO TC.

TEMPORARY WOOD POLE, 40 FT, CLASS 4

LOAD TABLE:

TEMPORARY LIGHTING CONTROLLER "TC" (240V)					
CIRCUIT	RED PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	2.4	576	B	2.1	504
C	1.2	288	D	0.9	216
E	2.4	576	F	2.1	504
G	1.2	288	H	0.9	216
TOTAL LOAD ON TEMPORRAY CONTROLLER=13.2 AMPS					

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	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

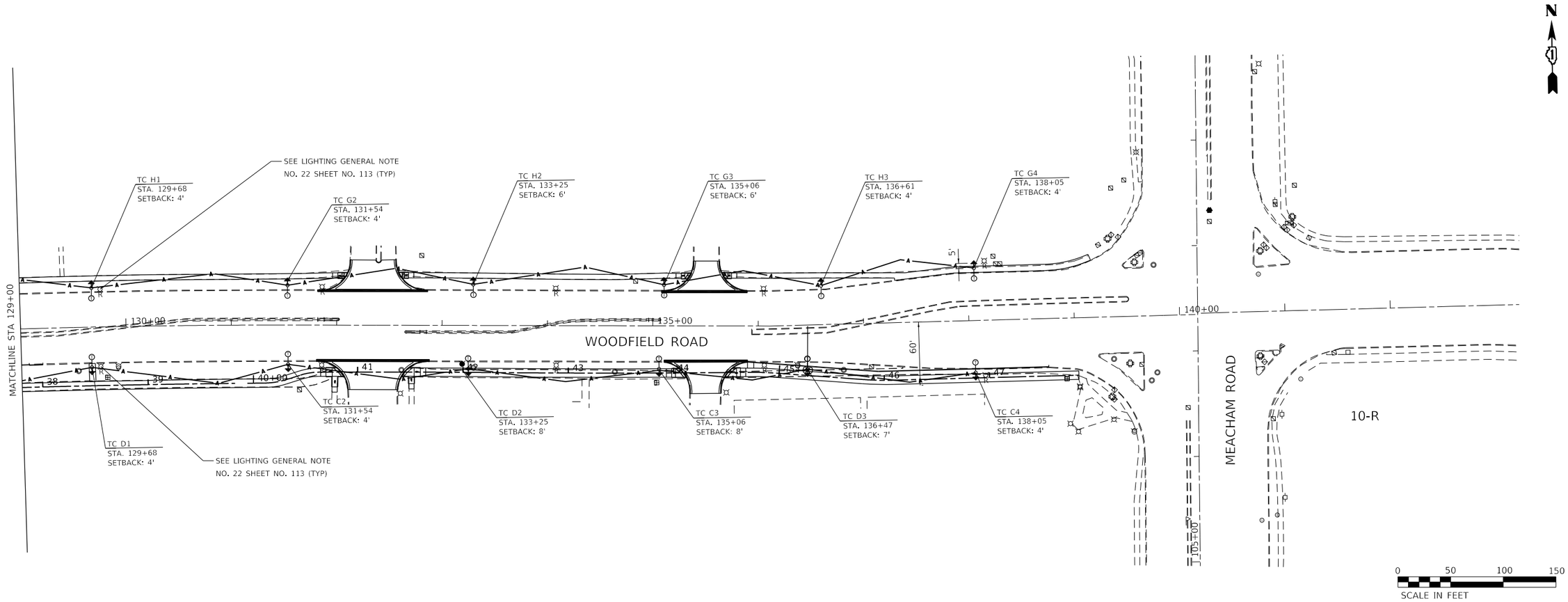
WOODFIELD ROAD
TEMPORARY LIGHTING DETAILS

SCALE: 1" = 50' | SHEET 2 OF 3 SHEETS | STA. 114+00 TO STA. 129+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	119

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



TEMPORARY LIGHTING NOTES:

1. SETBACK IS MEASURED FROM EXISTING FACE OF CURB TO THE CENTER OF THE LIGHT POLE FOR THE TEMPORARY LIGHTING UNITS.

2. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY LIGHTING EQUIPMENT AFTER ALL PERMANENT PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

3. ALL TEMPORARY LIGHTING EQUIPMENT REMOVAL WILL BE INCLUDED IN THE COST OF THE PAY ITEM FOR THE TEMPORARY WOOD POLE.

4. ALL MATERIALS, EQUIPMENT, AND LABOR NEEDED TO INSTALL AND CONNECT THE SERVICE FROM THE COMED UTILITY TRANSFORMER TO THE TEMPORARY LIGHTING CONTROLLED CABINET, SHALL BE PART OF THE PAY ITEM NO. 80400100 "ELECTRIC SERVICE INSTALLATION" THAT SHALL INCLUDE METER SOCKET, CABLE AND OTHER NEEDED MATERIAL. ALL CONNECTIONS SPLICING AND WIRING TO THE TEMPORARY LIGHTING CONTROLLER IS INCLUDED UNDER SAME PAY ITEM.

5. THE ELECTRIC SERVICE SHALL BE 240/120V SINGLE PHASE 3 WIRE SYSTEM. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTOCELL.

6. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.

TEMPORARY LIGHTING NOTES:

7. THE LAYOUT OF TEMPORARY POLE EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, UTILITY IMPACTS AND ELECTRIC SERVICE LOCATION AS COORDINATED WITH ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF TEMPORARY POLES, THE PLAN MUST BE APPROVED BY ENGINEER BEFORE ANY POLES ARE PLACED.

8. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER.

9. REMOVE ALL EXISTING LIGHT UNITS TAG"R" INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRETY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED TESTED AND FULLY OPERATIONAL.

10. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

12. TEMPORARY LIGHTING SHALL BE REMOVED ONCE THE PERMANENT LIGHTING IS INSTALLED AND OPERATIONAL. THE COST TO REMOVE AERIAL CABLE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE TEMPORARY LIGHT UNIT.

13. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY LIGHTING WITHIN PROJECT LIMITS FOR THE DURATION OF THE PROJECT. ANY DAMAGE INCURRED DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED SO SERVICE IS NOT DISRUPTED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS

TEMPORARY LIGHTING LEGEND:

GROUND ROD 5/8" X 10'.

USE 40' TEMPORARY LIGHTING UNIT WOOD POLE CLASS 4 8-FT MAST ARM, 26-FT MOUNTING HEIGHT.

TEMPORARY LIGHTING CABINET "TC" SINGLE DOOR, 100A, 120/240V SINGLE PHASE.

TEMPORARY ELECTRIC SERVICE TRANSFORMER BY COMED ON PROPOSED UTILITY POLE.

AERIAL CABLE, 2-1/C NO 6 WITH MESSENGER WIRE (81800230).

R

REMOVE EXISTING LIGHTING UNIT INCLUDING ALL ASSOCIATED CABLE IN ITS ENTIRITY BACK TO CONTROLLER AFTER TEMPORARY LIGHTING SYSTEM IS INSTALLED TESTED AND FULLY OPERATIONAL. SALVAGE LIGHTING UNIT INCLUDING LIGHT POLE ,MAST ARM AND LUMINAIRE AND RETURN TO OWNER AT LOCATION AS DIRECTED BY OWNER.

TC PROVIDE A 100AMP 120/240V SINGLE PHASE 3W TEMPORARY LIGHTING CONTROLLER AND COORDINATE WITH COMED TO PROVIDE POWER TO TC.

TEMPORARY WOOD POLE, 40 FT, CLASS 4

LOAD TABLE:

TEMPORARY LIGHTING CONTROLLER "TC" (240V)					
CIRCUIT	RED PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	2.4	576	B	2.1	504
C	1.2	288	D	0.9	216
E	2.4	576	F	2.1	504
G	1.2	288	H	0.9	216
TOTAL LOAD ON TEMPORRAY CONTROLLER=13.2 AMPS					

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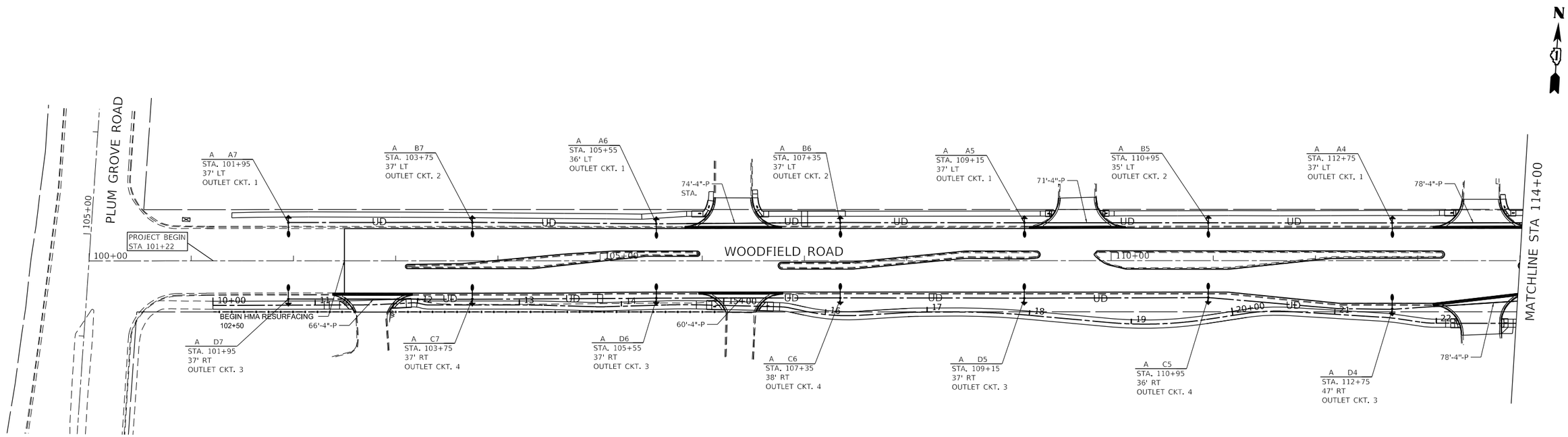
	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
TEMPORARY LIGHTING DETAILS

SCALE: 1" = 50' | SHEET 3 OF 3 SHEETS | STA. 129+00 TO STA. 143+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	120
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		



0 50 100 150
SCALE IN FEET

LIGHTING LEGEND:

PROPOSED LIGHTING UNIT WITH POLE BASE LOCATED 5-FT BEHIND PROPOSED EDGE OF PAVEMENT. 35-FT MOUNTING HEIGHT, MAST ARM LENGTH 3.5', 135W LED LUMINAIRE PHILIPS [TR20-009]-135W80LED4K-G3-LE2S-VOLT-DMG-BE6TX FESTOON OUTLET - 20AMP GFI/WEATHER PROOF COVER SEE DETAILS SHEET.

A — EXISTING LIGHTING CONTROLLER CABINET 120/240V SINGLE PHASE 3W 225AMP TO BE USED FOR PROPOSED LIGHTING FOR CIRCUITS A, B, C, D, E, AND F. USE EXISTING 2P BREAKERS FOR NEW LIGHTING CIRCUITS AND 1 TO 6 FOR RECEPTACLE OUTLET CIRCUITS.

UD — UNIT DUCT, 600V, 4-1/C NO 8, 3-1/C NO 2 AND 1/C NO 2 GROUND 600V (XLP-TYPE-USE) 1.5" DIAMETER POLYTHYLENE (X8163577).

GROUND ROD 5/8" X 10'.

H — PROPOSED HANDHOLE.

"P" — PUSHED GALVANIZED RIGID STEEL CONDUIT 4" DIA IN UNIT DUCT, 600V, 4-1/C NO 8, 3-1/C NO 2 AND 1/C NO 2 GROUND 600V (XLP-TYPE-USE) IN 1.5" DIA POLYETHYLENE (X81635774).

"CONTROLLE" CKT
STA. XXX+XX
OFF, LT/RT — LIGHT POLE "CONTROLLER, CIRCUIT/STA/OFFSET FROM CENTERLINE OF CONSTRUCTION".

GENERAL NOTE:

1- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY ENGINEER PRIOR TO BACKFILL.

2. ALL CABLES SHALL BE CONTINUOUS BETWEEN ABOVE GROUND SPLICE CONNECTIONS. NO UNDERGROUND SPLICES SHALL BE ALLOWED

3. ALL RIGID STEEL CONDUITS SHALL BE CONTINUOUS. NO CONDUIT SPLICING SHALL BE ALLOWED.

4. ALL STREET LIGHTING CONDUITS SHALL BE MINIMUM OF 30-INCHES DEEP.

5. ALL DISTURBED AREAS SHALL BE BACKFILLED AND RESTORED WITH APPROPRIATE MATERIALS FOR PAVED OR UNPAVED AREAS.

6. USE LUMINAIRE [TR20-009]-135W80LED4K-G3-LE2S-VOLT-DMG-BE6TX ---- MAKE LUMEC. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATION.

7. INSTALL PROPOSED LIGHT POLE CATALOG NUMBER ATR106V-38-BABS30.5(2)-CAP3-GFII-VD-BE6TX MAKE LUMEC. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATION. COORDINATE POLE ANCHOR PLATE DIMENSIONS WITH HELIX DIMENSIONS PROVIDED.

8. FOR LIGHTING GENERAL NOTES SEE SHEET NO. 113

LOAD TABLE:

PROPOSED LIGHTING LOAD TABLE (240V)

CIRCUIT	RED PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	3.94	945	B	3.94	945
C	3.94	945	D	3.94	945
E	3.94	945	F	3.94	945

TOTAL LOAD FOR NEW LIGHTING = 23.6 AMPS

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	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/4/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

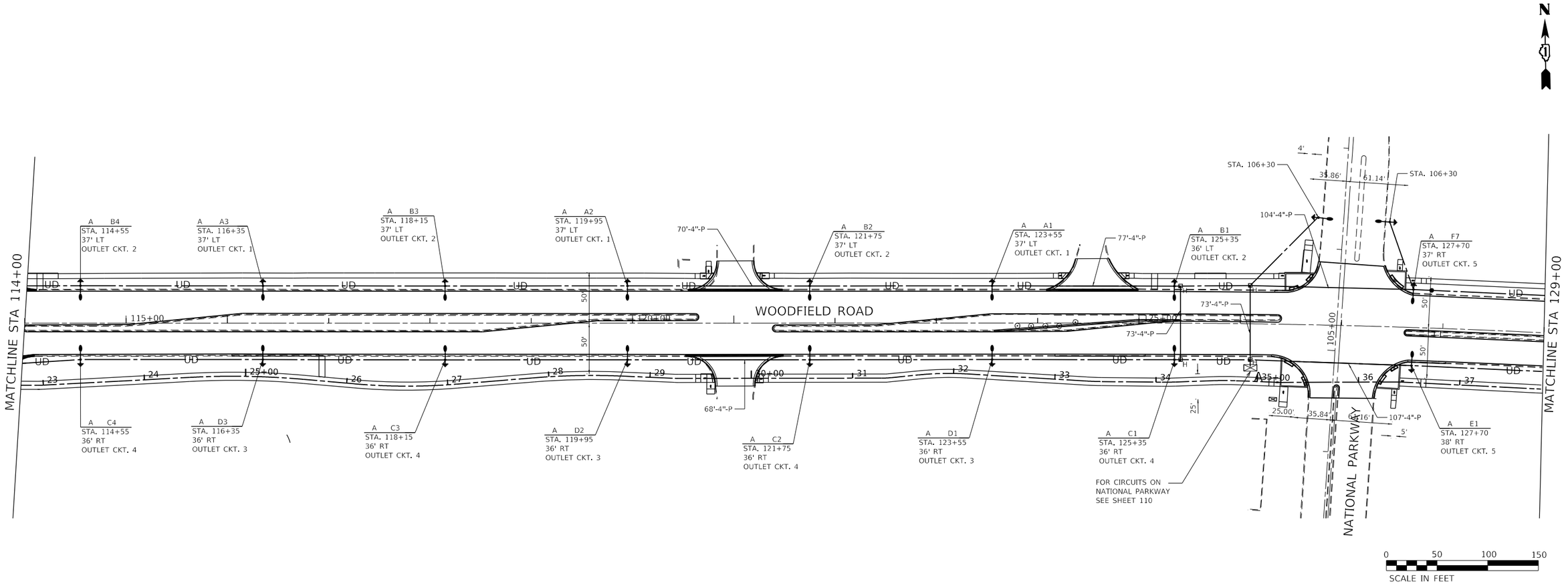
WOODFIELD ROAD
PROPOSED LIGHTING DETAILS

SCALE: 1" = 50' | SHEET 1 OF 3 SHEETS | STA. 100+00 TO STA. 114+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	121

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



LIGHTING LEGEND:

PROPOSED LIGHTING UNIT WITH POLE BASE LOCATED 5-FT BEHIND PROPOSED EDGE OF PAVEMENT. 35-FT MOUNTING HEIGHT, MAST ARM LENGTH 3.5', 135W LED LUMINAIRE PHILIPS [TR20-009]-135W80LED4K-G3-LE2S-VOLT-DMG-BE6TX FESTOON OUTLET - 20AMP GFI/WEATHER PROOF COVER SEE DETAILS SHEET.

A — EXISTING LIGHTING CONTROLLER CABINET 120/240V SINGLE PHASE 3W 225AMP TO BE USED FOR PROPOSED LIGHTING FOR CIRCUITS A, B, C, D, E, AND F. USE EXISTING 2P BREAKERS FOR NEW LIGHTING CIRCUITS AND 1 TO 6 FOR RECEPTACLE OUTLET CIRCUITS.

UD — UNIT DUCT, 600V, 4-1/C NO 8, 3-1/C NO 2 AND 1/C NO 2 GROUND (XLP-TYPE-USE) 1.5" DIAMETER POLYTHYLENE (X8163577).

GROUND ROD 5/8" X 10'.

H — PROPOSED HANDHOLE.

"P" — PUSHED GALVANIZED RIGID STEEL CONDUIT 4" DIA IN UNIT DUCT, 600V, 4-1/C NO 8, 3-1/C NO 2 AND 1/C NO 2 GROUND 600V (XLP-TYPE-USE) IN 1.5" DIA POLYETHYLENE (X8163577).

"CONTROLLE" CKT
STA. XXX+XX
OFF, LT/RT

LIGHT POLE "CONTROLLER, CIRCUIT/STA/OFFSET FROM CENTERLINE OF CONSTRUCTION".

CONSTRUCTION KEYNOTES

1 — EXISTING LIGHTING CONTROLLER (A) TO BE USED FOR ALL NEW LIGHTING BETWEEN MEACHAM AND PLUM GROVE

GENERAL NOTE:

1- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY ENGINEER PRIOR TO BACKFILL.

2. ALL CABLES SHALL BE CONTINUOUS BETWEEN ABOVE GROUND SPLICE CONNECTIONS. NO UNDERGROUND SPLICES SHALL BE ALLOWED

3. ALL RIGID STEEL CONDUITS SHALL BE CONTINUOUS. NO CONDUIT SPLICING SHALL BE ALLOWED.

4. ALL STREET LIGHTING CONDUITS SHALL BE MINIMUM OF 30-INCHES DEEP.

5. ALL DISTURBED AREAS SHALL BE BACKFILLED AND RESTORED WITH APPROPRIATE MATERIALS FOR PAVED OR UNPAVED AREAS.

6. USE LUMINAIRE [TR20-009]-135W80LED4K-G3-LE2S-VOLT-DMG-BE6TX ---- MAKE LUMEC. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATION.

7. INSTALL PROPOSED LIGHT POLE CATALOG NUMBER ATR106V-38-BABS30.5(2)-CAP3-GFII-VD-BE6TX MAKE LUMEC. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATION. COORDINATE POLE ANCHOR PLATE DIMENSIONS WITH HELIX DIMENSIONS PROVIDED.

8. FOR LIGHTING GENERAL NOTES SEE SHEET NO. 113

LOAD TABLE:

PROPOSED LIGHTING LOAD TABLE (240V)

CIRCUIT	RED PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	3.94	945	B	3.94	945
C	3.94	945	D	3.94	945
E	3.94	945	F	3.94	945

TOTAL LOAD FOR NEW LIGHTING = 23.6 AMPS

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Globetrotters® Engineering Corporation

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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

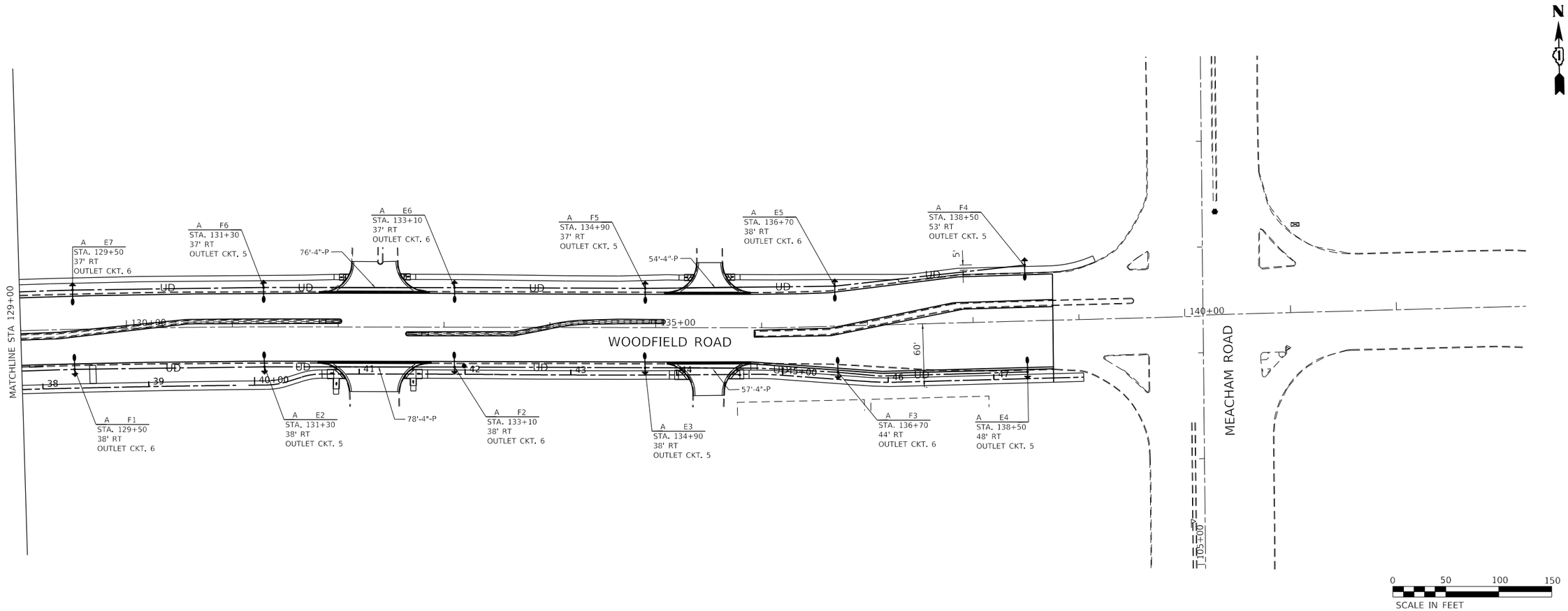
WOODFIELD ROAD
PROPOSED LIGHTING DETAILS

SCALE: 1" = 50' | SHEET 2 OF 3 SHEETS | STA. 114+00 TO STA. 129+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	122

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



LIGHTING LEGEND:

PROPOSED LIGHTING UNIT WITH POLE BASE LOCATED 5-FT BEHIND PROPOSED EDGE OF PAVEMENT. 35-FT MOUNTING HEIGHT, MAST ARM LENGTH 3.5', 135W LED LUMINAIRE PHILIPS [TR20-009]-135W80LED4K-G3-LE2S-VOLT-DMG-BE6TX FESTOON OUTLET - 20AMP GFI/WEATHER PROOF COVER SEE DETAILS SHEET.

A — EXISTING LIGHTING CONTROLLER CABINET 120/240V SINGLE PHASE 3W 225AMP TO BE USED FOR PROPOSED LIGHTING FOR CIRCUITS A, B, C, D, E, AND F. USE EXISTING 2P BREAKERS FOR NEW LIGHTING CIRCUITS AND 1 TO 6 FOR RECEPTACLE OUTLET CIRCUITS.

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"CONTROLLE" CKT
STA. XXX+XX
OFF, LT/RT

LIGHT POLE "CONTROLLER, CIRCUIT/STA/OFFSET FROM CENTERLINE OF CONSTRUCTION".

GENERAL NOTE:

1- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY ENGINEER PRIOR TO BACKFILL.

2. ALL CABLES SHALL BE CONTINUOUS BETWEEN ABOVE GROUND SPLICE CONNECTIONS. NO UNDERGROUND SPLICES SHALL BE ALLOWED

3. ALL RIGID STEEL CONDUITS SHALL BE CONTINUOUS. NO CONDUIT SPLICING SHALL BE ALLOWED.

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5. ALL DISTURBED AREAS SHALL BE BACKFILLED AND RESTORED WITH APPROPRIATE MATERIALS FOR PAVED OR UNPAVED AREAS.

6. USE LUMINAIRE [TR20-009]-135W80LED4K-G3-LE2S-VOLT-DMG-BE6TX ---- MAKE LUMEC. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATION.

7. INSTALL PROPOSED LIGHT POLE CATALOG NUMBER ATR106V-38-BABS30.5(2)-CAP3-GFII-VD-BE6TX MAKE LUMEC. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATION. COORDINATE POLE ANCHOR PLATE DIMENSIONS WITH HELIX DIMENSIONS PROVIDED.

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LOAD TABLE:

PROPOSED LIGHTING LOAD TABLE (240V)

CIRCUIT	RED PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	3.94	945	B	3.94	945
C	3.94	945	D	3.94	945
E	3.94	945	F	3.94	945
TOTAL LOAD FOR NEW LIGHTING = 23.6 AMPS					

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	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

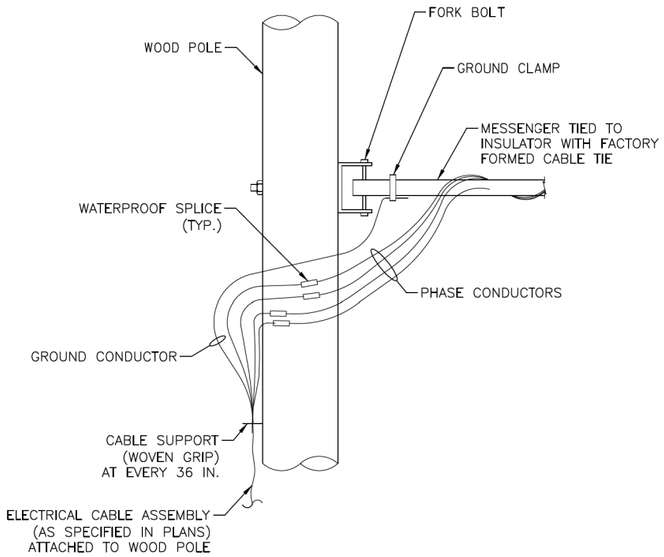
WOODFIELD ROAD
PROPOSED LIGHTING DETAILS

SCALE: 1" = 50' | SHEET 3 OF 3 SHEETS | STA. 129+00 TO STA. 143+00

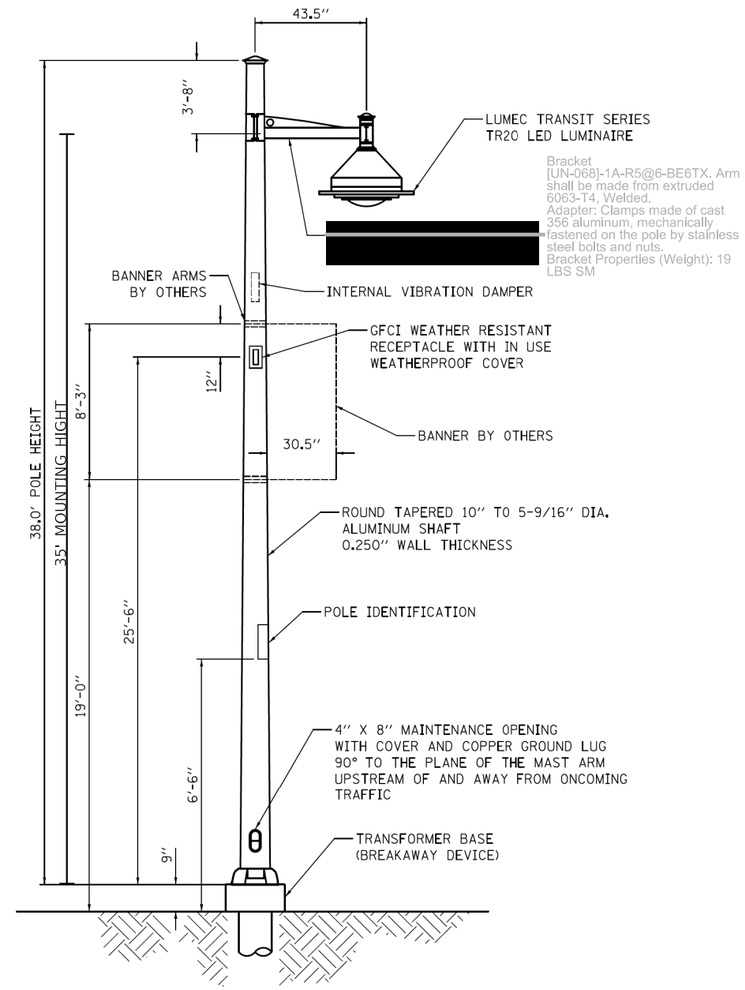
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	123

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



AERIAL CABLE CONNECTION DETAIL



NOTE: HANDHOLE COVERS SHALL BE ATTACHED TO POLE WITH #14 SPANNER SCREWS WITH ANTI-SEIZE COMPOUND.

LIGHTING UNIT

(NOT TO SCALE)

NOTES:

1. THE COLOR FINISH OF POLE, LUMINAIRE, AND MAST ARM SHALL BE AS APPROVED BY CITY OF SCHAUMBURG.

MODEL: Default
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	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

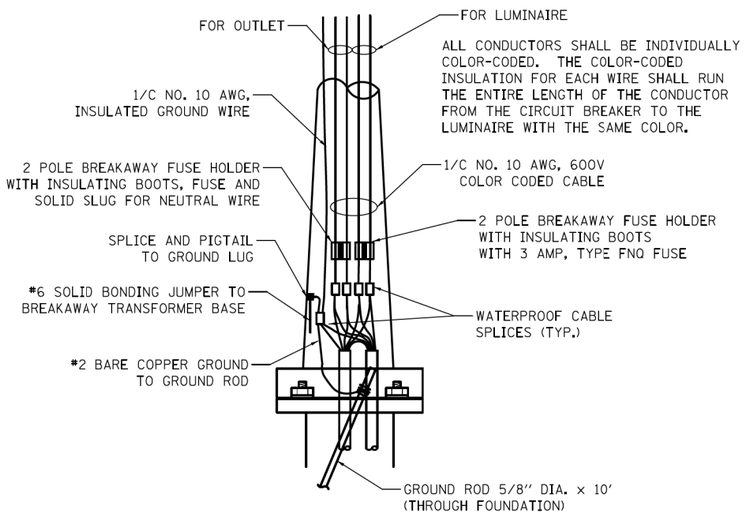
WOODFIELD ROAD
LIGHTING DETAILS

SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. N/A | TO STA. N/A

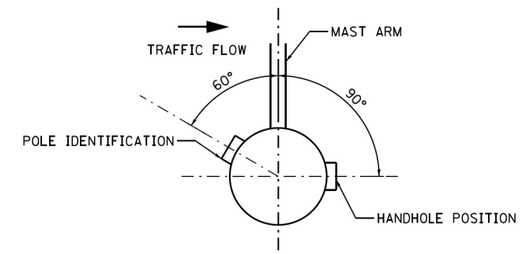
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	124

CONTRACT NO. 61L43

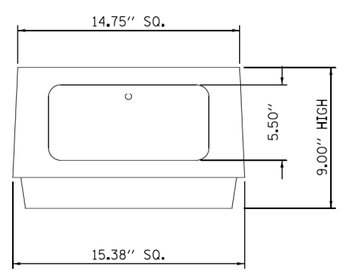
ILLINOIS | FED. AID PROJECT



ROADWAY POLE HANDHOLE WIRING DIAGRAM



POSITION OF HANDHOLE AND POLE IDENTIFICATION



NOTES:

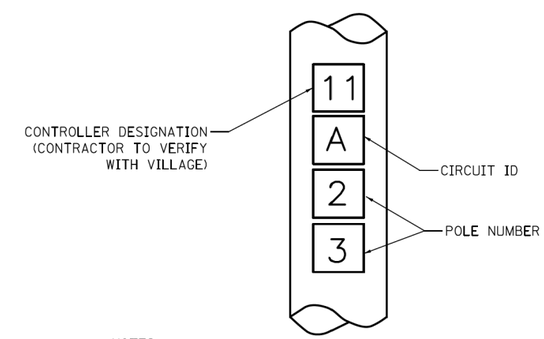
1. HARDWARE: CARRIAGE BOLTS SHALL BE USED WITH FLAT WASHER, LOCK WASHER, AND NUTS. NO THREADED ROD ALLOWED.

2. GROUNDING: AREA WHERE THE GROUND WIRE ATTACHES TO TRANSFORMER BASE MUST BE SCRATCHED TO ENSURE EFFECTIVE BONDING.

3. TRANSFORMER BASE SHALL BE POWDER COATED TO MATCH POLE COLOR.

4. DIMENS[redacted] BE ADJU MANUFA

TRANSFORMER BASE (BREAKAWAY DEVICE)



NOTES:

1. 4" HIGH WHITE LETTERS SCREENED ON A 4-1/2" X 4" RED, PRESSURE SENSITIVE AND REFLECTIVE BACKGROUND.

2. THE CONTRACTOR SHALL COORDINATE LIGHT POLE AND CONTROLLER IDENTIFICATION NUMBERS WITH THE VILLAGE PRIOR TO CONSTRUCTION.

POLE IDENTIFICATION

MODEL: Default
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USER NAME = mohammed.ali	DESIGNED - RH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
LIGHTING DETAILS

SCALE: N/A | SHEET 2 OF 3 SHEETS | STA. N/A | TO STA. N/A

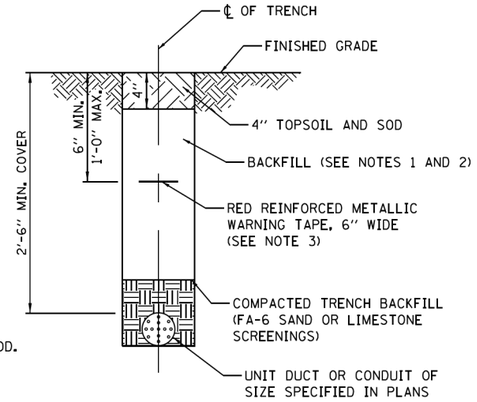
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	125

CONTRACT NO. 61L43

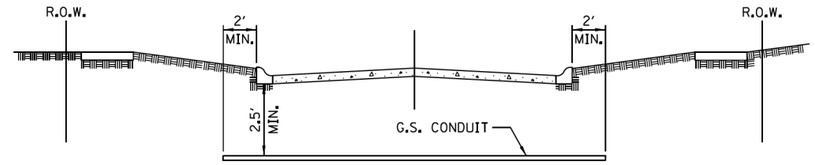
ILLINOIS | FED. AID PROJECT

NOTES:

1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.



TYPICAL TRENCH CROSS SECTION

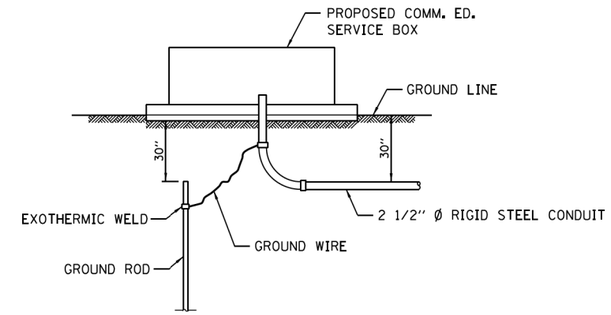


STREET CROSSING

NOTES

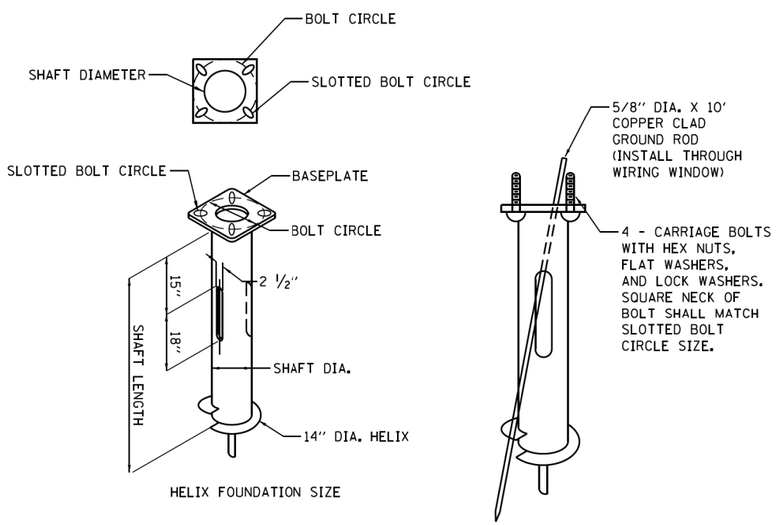
1. PAVEMENT INCLUDES ROADS, DRIVEWAYS, SIDEWALKS, AND BIKE PATHS.
2. CONDUIT SHALL BE HEAVY WALL RIGID GALVANIZED STEEL CONDUIT, MINIMUM 2" DIAMETER.
3. CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB OR EDGE OF PAVEMENT.
4. CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF PAVEMENT.

ELECTRICAL CONDUIT UNDER PAVEMENT



PROPOSED SERVICE INSTALLATION

NOTE: GROUND ROD, GROUND CLAMPS & GROUND WIRE TO BE IN ACCORDANCE WITH COMM. ED. REQUIREMENTS.



HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
31 FT. - 35 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
36 FT. - 40 FT.	15"	8⅝"	6 FT.	15" X 15" X 1¼"
41 FT. - 45 FT.	15"	8⅝"	6 FT.	15" X 15" X 1¼"
46 FT. - 50 FT.	15"	10"	8 FT.	15" X 15" X 1¼"

NOTES FOR METAL FOUNDATION

1. METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.
2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINOUS AND NOT LESS THAN ¼" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. FABRICATE TWO SLOTS IN THE SHAFT AT 180 DEGREES FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.
5. TOP PLATE SHALL BE PERMANENTLY MARKED WITH THE CABLING SLOT LOCATIONS.
6. HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
8. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
9. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH SAND.
10. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
11. GROUND ROD, 5/8" DIA. x 10', THROUGH FOUNDATION WILL BE REQUIRED AND INCLUDED ON ALL LIGHT POLE FOUNDATIONS INCLUDING METAL FOUNDATIONS.
12. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
13. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
14. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
15. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.
16. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASE PLATE: AASHTO M 270M, GRADE 36 (M270M, GRADE 250)

SHAFT: ASTM A 252 - (LATEST REVISION) GRADE 2, (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)

HELIX SCREW: AASHTO M 183 (ASTM A 635) (LATEST REVISION)

PILOT POINT: AASHTO M 270 (ASTM A 575) (LATEST REVISION)

ANCHOR RODS/STUDS: AASHTO M 314 (ASTM F 1554) (LATEST REVISION)

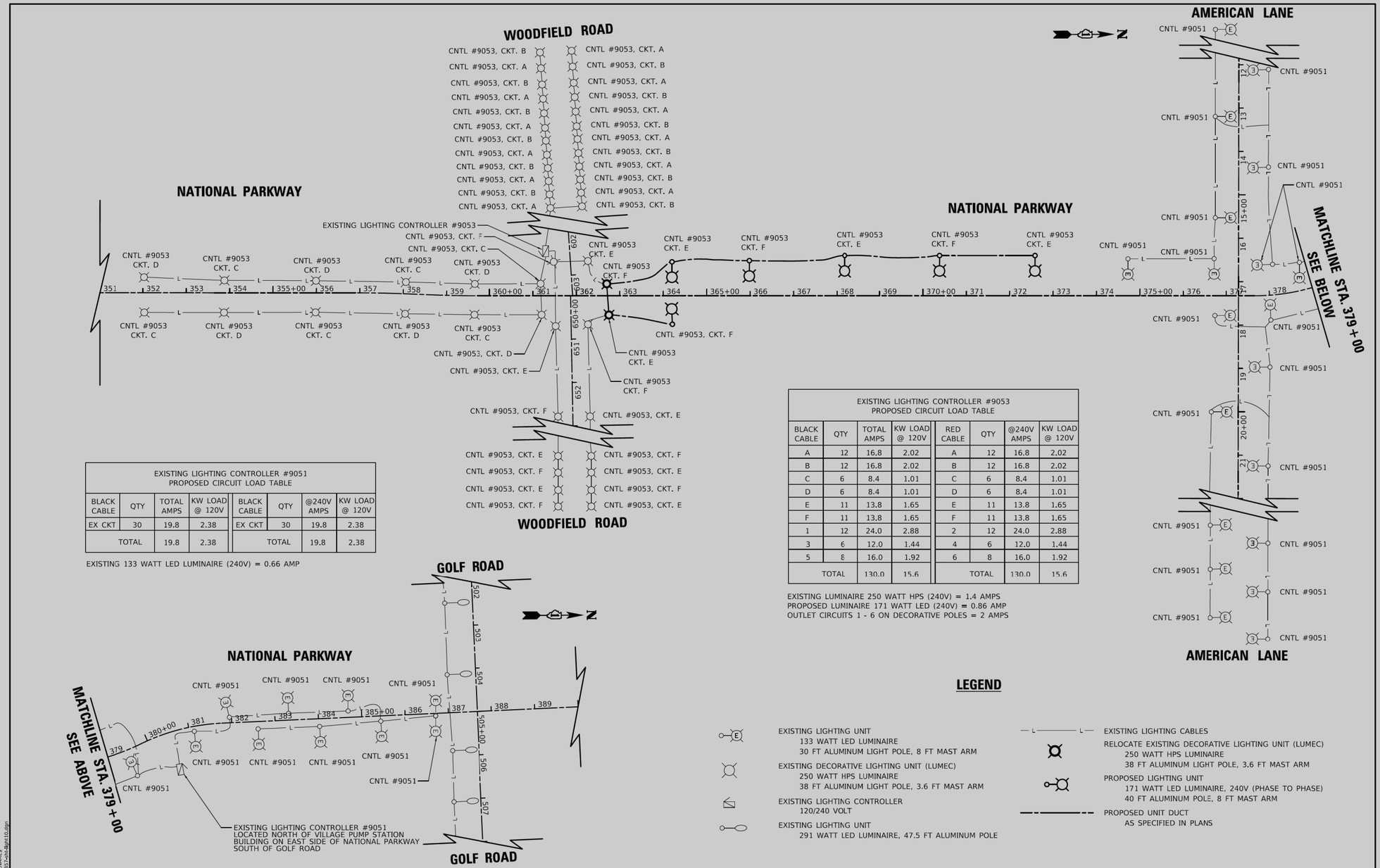
HEXAGON NUTS: AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H (LATEST REVISION)

WASHERS: AASHTO M 293 (ASTM F 436) (LATEST REVISION)

POLE FOUNDATION METAL

HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM)

FOR INFORMATION ONLY



EXISTING LIGHTING CONTROLLER #9051 PROPOSED CIRCUIT LOAD TABLE							
BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	BLACK CABLE	QTY	@240V AMPS	KW LOAD @ 120V
EX CKT	30	19.8	2.38	EX CKT	30	19.8	2.38
TOTAL		19.8	2.38	TOTAL		19.8	2.38

EXISTING 133 WATT LED LUMINAIRE (240V) = 0.66 AMP

EXISTING LIGHTING CONTROLLER #9053 PROPOSED CIRCUIT LOAD TABLE							
BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	RED CABLE	QTY	@240V AMPS	KW LOAD @ 120V
A	12	16.8	2.02	A	12	16.8	2.02
B	12	16.8	2.02	B	12	16.8	2.02
C	6	8.4	1.01	C	6	8.4	1.01
D	6	8.4	1.01	D	6	8.4	1.01
E	11	13.8	1.65	E	11	13.8	1.65
F	11	13.8	1.65	F	11	13.8	1.65
1	12	24.0	2.88	2	12	24.0	2.88
3	6	12.0	1.44	4	6	12.0	1.44
5	8	16.0	1.92	6	8	16.0	1.92
TOTAL		130.0	15.6	TOTAL		130.0	15.6

EXISTING LUMINAIRE 250 WATT HPS (240V) = 1.4 AMPS
PROPOSED LUMINAIRE 171 WATT LED (240V) = 0.86 AMP
OUTLET CIRCUITS 1 - 6 ON DECORATIVE POLES = 2 AMPS

LEGEND

- EXISTING LIGHTING UNIT
  133 WATT LED LUMINAIRE
  30 FT ALUMINUM LIGHT POLE, 8 FT MAST ARM
- EXISTING DECORATIVE LIGHTING UNIT (LUMEC)
  250 WATT HPS LUMINAIRE
  38 FT ALUMINUM LIGHT POLE, 3.6 FT MAST ARM
- EXISTING LIGHTING CONTROLLER
  120/240 VOLT
- EXISTING LIGHTING UNIT
  291 WATT LED LUMINAIRE, 47.5 FT ALUMINUM POLE
- EXISTING LIGHTING CABLES
- RELOCATE EXISTING DECORATIVE LIGHTING UNIT (LUMEC)
  250 WATT HPS LUMINAIRE
  38 FT ALUMINUM LIGHT POLE, 3.6 FT MAST ARM
- PROPOSED LIGHTING UNIT
  171 WATT LED LUMINAIRE, 240V (PHASE TO PHASE)
  40 FT ALUMINUM POLE, 8 FT MAST ARM
- PROPOSED UNIT DUCT
  AS SPECIFIED IN PLANS

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PLOT DATE = 2/19/2021	DATE - 2/18/2021	REVISED -	

VILLAGE OF SCHAUMBURG

NATIONAL PARKWAY
LIGHTING PLANS – PROPOSED WIRING DIAGRAM

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. | TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
16-00127-01-PV	COOK	96	72
	ILLINOIS		

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USER NAME = mohammed.ali	DESIGNED - RH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

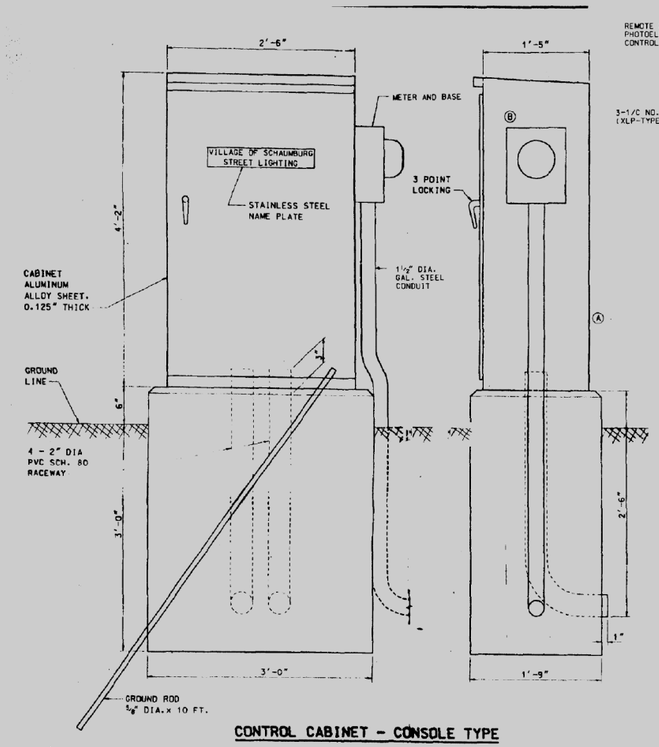
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
PROPOSED LIGHTING DETAILS

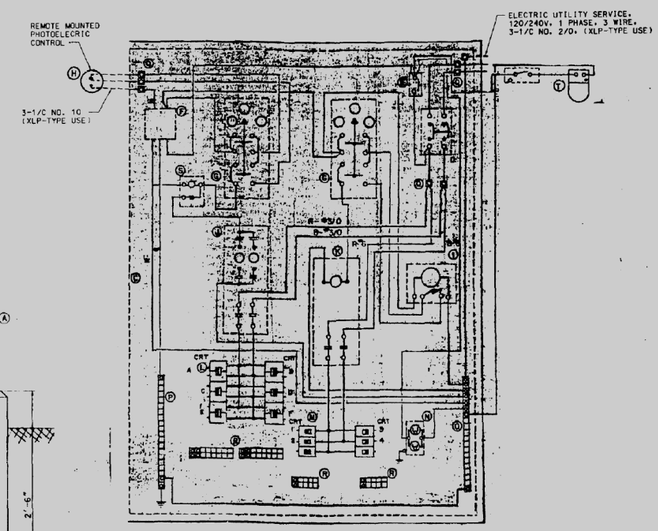
SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. 114+00 | TO STA. 129+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	127
		CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY



CONTROL CABINET - CONSOLE TYPE



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

A	1	CONTROLLER. 30" W x 50" H x17" D ENCLOSURE
B	1	METER BOX
C	1	½" BENELEX INSULATED MOUNTING PANEL BOARD
D	1	MAIN CIRCUIT BREAKER. 225 AMP. D.P.S.T. MOLDED CASE. THERMAL MAGNETIC. 250 AMP FRAME. 600 V. NONINTERCHANGEABLE TRIP. INTERRUPTING RATING AMP. 42 K. 240 V
E	1	15 AMP. SINGLE POLE CIRCUIT BREAKER FOR CONTROL CIRCUIT
F	1	SURGE ARRESTER. 5 WIRE (EDCO NO. 4803) FOR CONTROL CIRCUIT
G	2	HAND OPERATED ENCLOSED THREE POSITION SELECTOR SWITCH "ON"-"OFF"-"AUTO"
H	1	REMOTE MOUNTED PHOTO ELECTRIC CONTROL. 120 VOLT
I	1	ASTRONOMIC MECHANICAL OPERATED TIME SWITCH. 120 VOLT
J	1	150 AMP. 2 POLE. ELECTRICALLY OPERATED AND MECHANICALLY HELD CONTACTOR WITH 120 VOLT COIL
K	1	60 AMP. 2 POLE. ELECTRICALLY OPERATED AND ELECTRICALLY HELD CONTACTOR WITH 120 VOLT COIL
L	6	40 AMP. D.P.S.T. CUICUIT BREAKER
M	6	30 AMP. S.P.S.T. CIRCUIT BREAKER
N	1	GFI RECEPTACLE. 120 VOLT. 20 AMP. PREMIUM SPEC. GRADE NEMA REFERENCE 5-15R IN WEATHERPROOF BOX WITH FLAP TYPE COVER
O	1	NEUTRAL BUSS. TERMINAL LUG NO. 10 -NO. 2
P	1	GROUND BUSS. TERMINAL LUG NO. 10 - NO. 2
Q	3	TERMINAL BLOCK
R	4	TERMINAL BLOCK FOR BRANCH CIRCUIT. NO. 8 - NO. 4 SIZE CABLES
S	1	RELAY. 120V
T	1	SWITCH ON CONTROLLER DOOR WITH WEATHERPROOF LIGHTING FIXTURE.60W LAMP

NOTES

THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGELS. THE CABINET DOOR SHALL BE NEMA TYPE 3 CONSTRUCTION WITH NEOPRENE GASKET. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND THREE POINT LOCKING SYSTEM.

CONTROL WIRING SHALL BE NO.12 AWG.,600V.TYPE "SIS" GRAY SWITCHBOARD WIRE, STRANDED COPPER.

THE ELECTRIC METER BOX SHALL BE MOUNTED ON THE SIDE OF THE CONTROL CABINET,NEAR TO THE SERVICE LOCATION AND/OR AS DIRECTED BY THE ENGINEER.

THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUSS CONNECTION AND GREEN FOR GROUND BUSS CONNECTORS.

PROVIDE SEALING GROMMETS FOR ALL WIRING EXTENDING FROM DEVICE ENCLOSURES.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL."

PROVIDE A HOLDER AND WATERPROOF POUCH ON THE INNER SIDE OF THE CONTROLLER DOOR. FURNISH THE APPROVED COPY OF "CONTROL CABINET WIRING DIAGRAM."

CONTROLLER CABINET PAINTING NOTE:

THE CABINET SHALL BE PRIMED AND PAINTED OF COLOR DETERMINED BY THE VILLAGE OF SCHAUMBURG. A SAMPLE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. THE COST OF PAINTING THE CABINET SHALL BE INCIDENTAL TO THE COSTS OF MATERIAL AND INSTALLATION OF STREET LIGHTING CONTROLLER.

EXISTING LIGHTING CONTROLLER #9053

FOR REFERENCE ONLY

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VILLAGE OF SCHAUMBURG

NATIONAL PARKWAY LIGHTING DETAIL

SCALE: | SHEET 4 OF 5 SHEETS | STA. | TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
16-00XXXX01-PV	COOK	96	76

ILLINOIS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

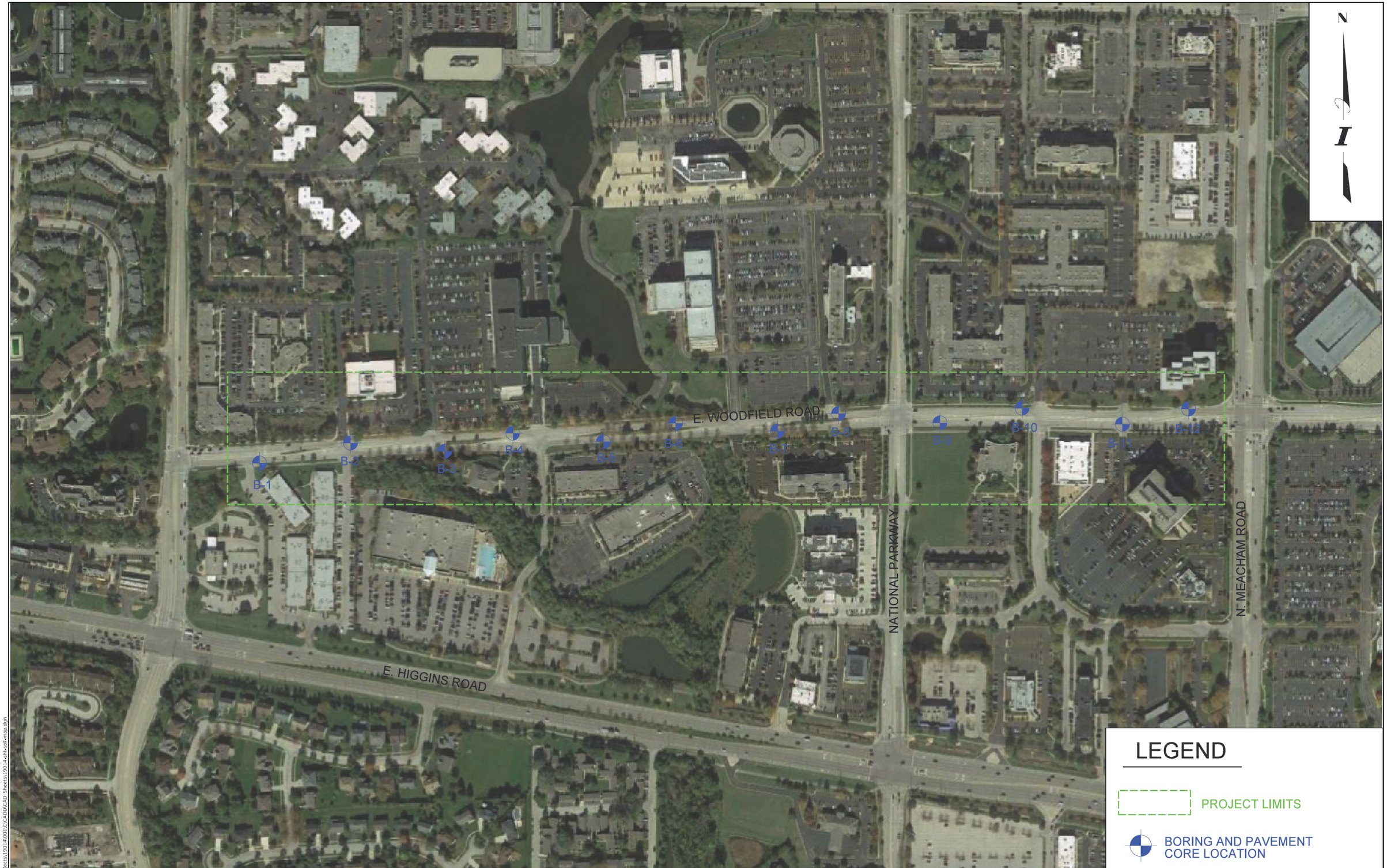
WOODFIELD ROAD
PROPOSED LIGHTING DETAILS

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. 114+00 | TO STA. 129+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	128

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
SOIL BORING LOGS - MAP

SCALE: N/A | SHEET 1 OF 6 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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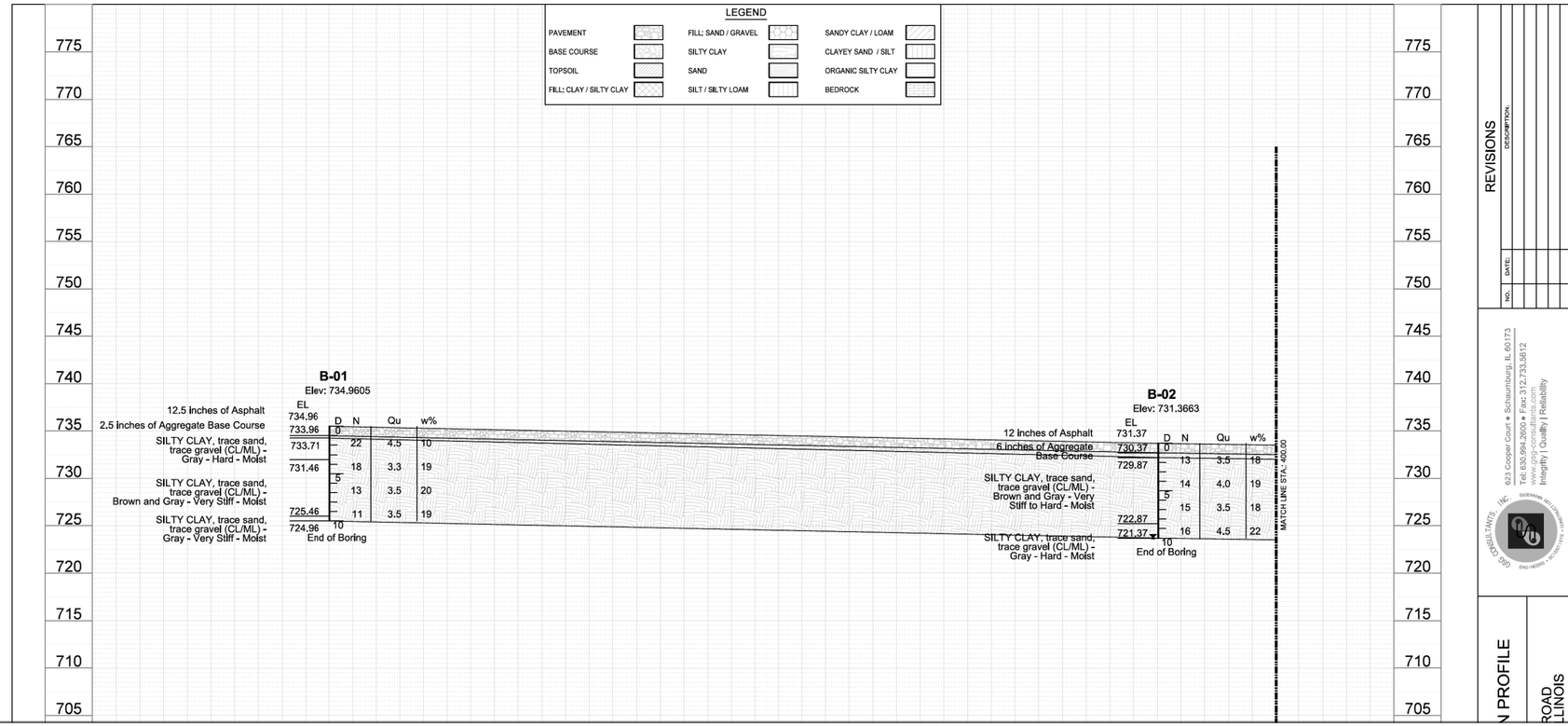
		ILLINOIS	FED. AID PROJECT	



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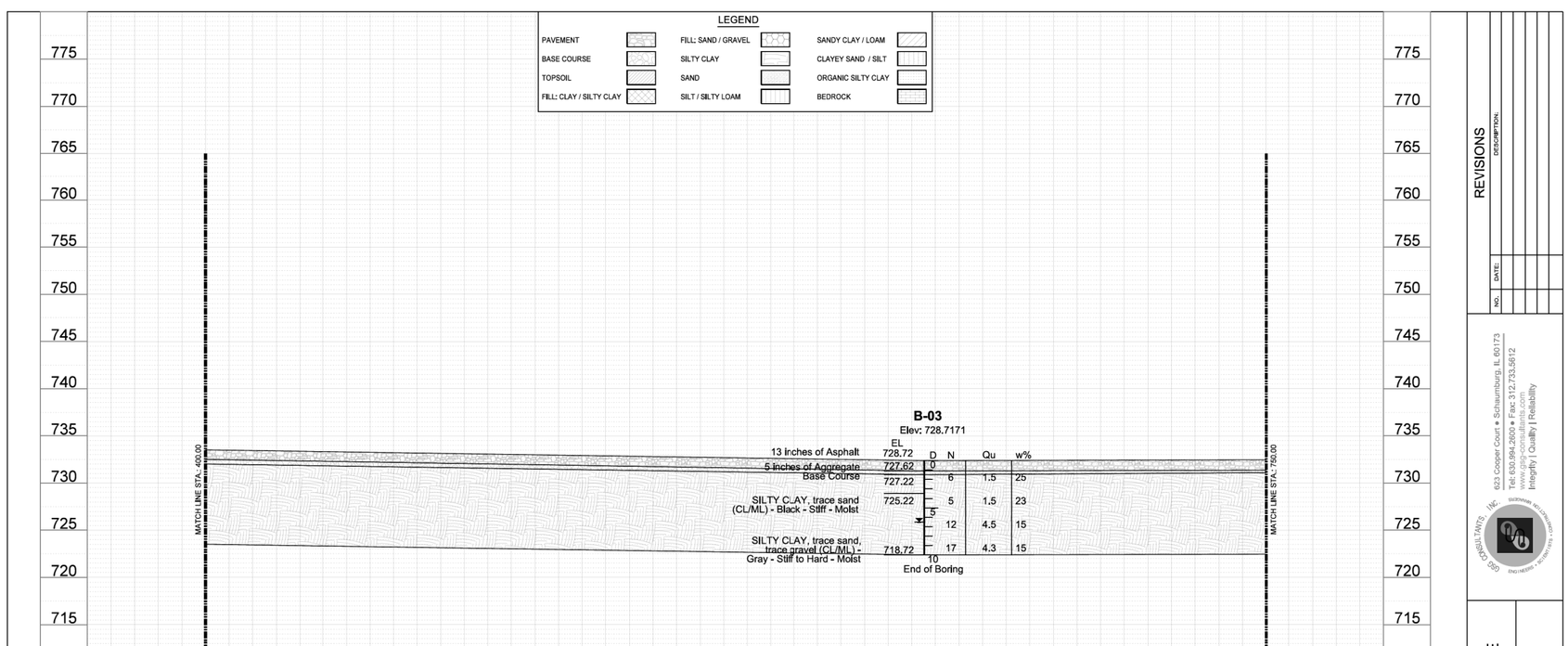
N PROFILE

ROAD
LLINOIS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
SOIL BORING LOGS - PROFILE

SCALE: N/A | SHEET 2 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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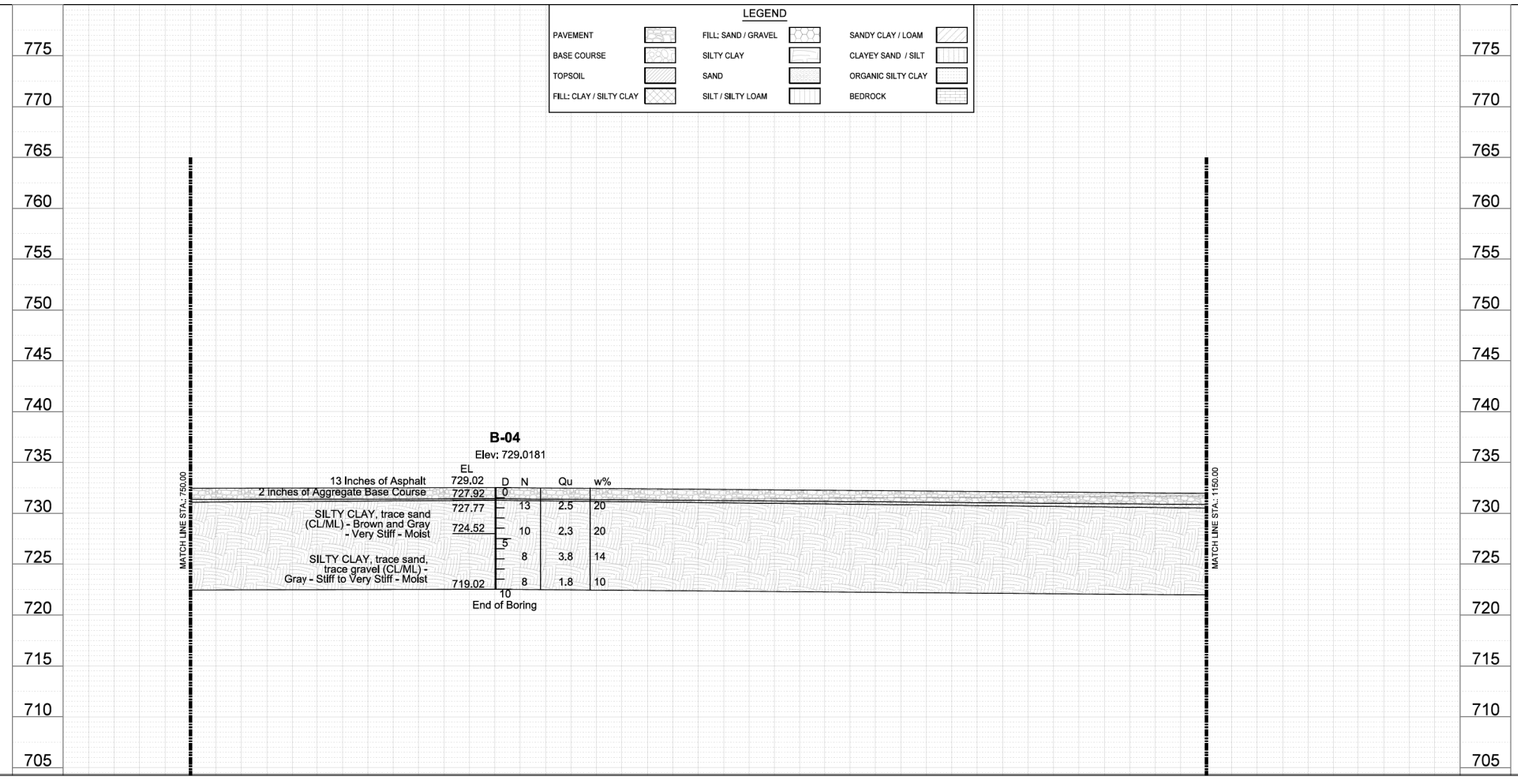

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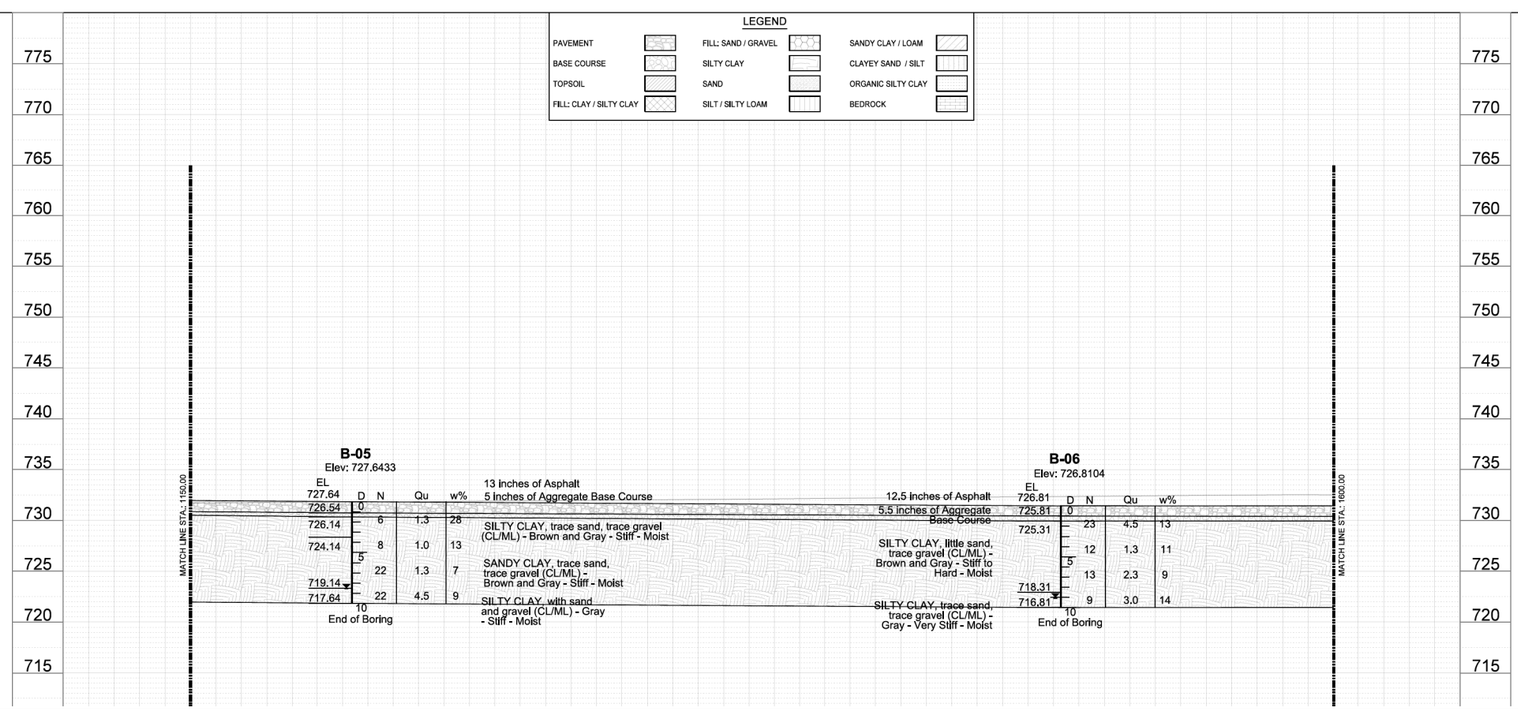
N PROFILE

ROAD
LLINOIS



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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
SOIL BORING LOGS - PROFILE

SCALE: N/A | SHEET 3 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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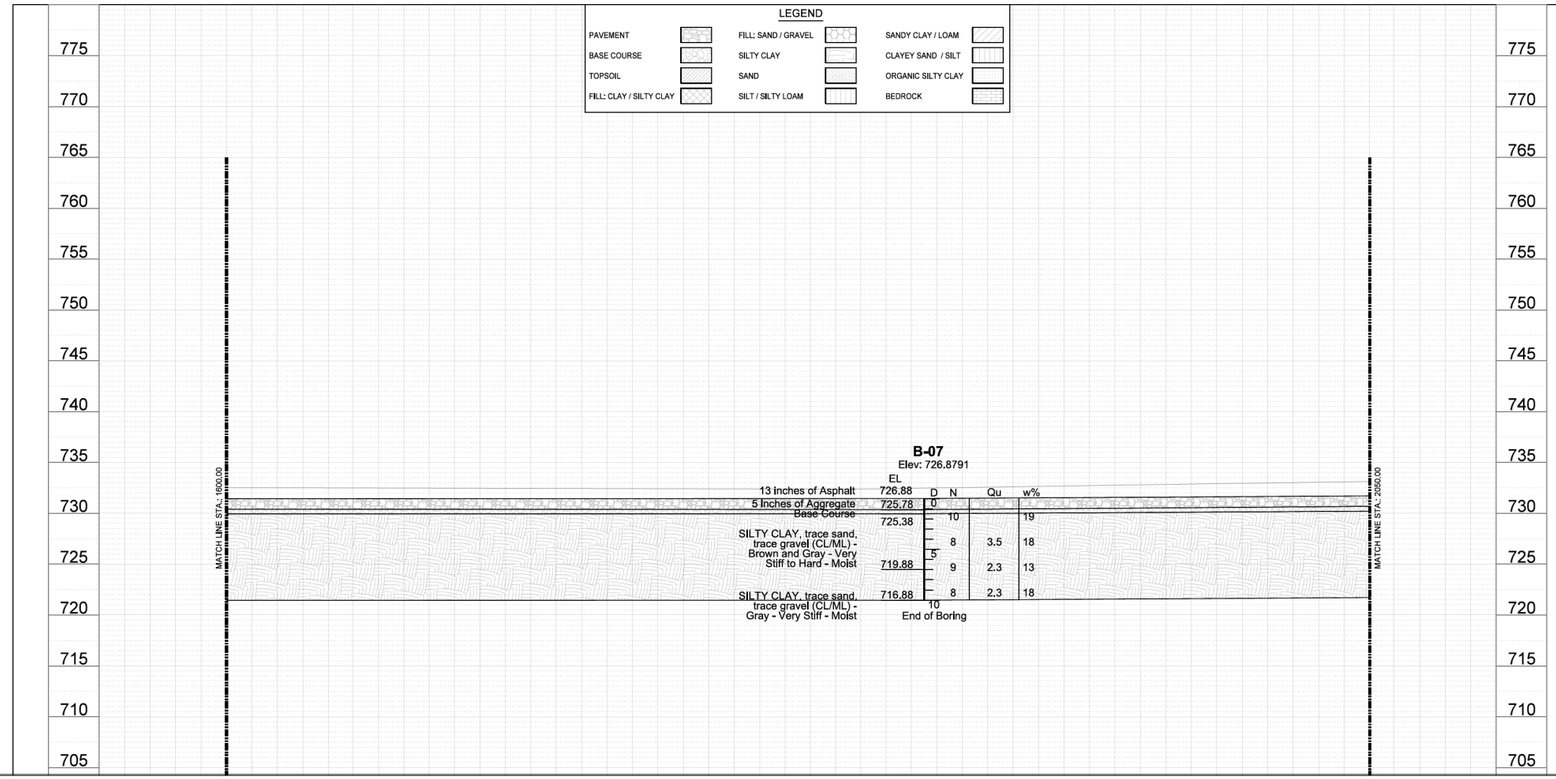

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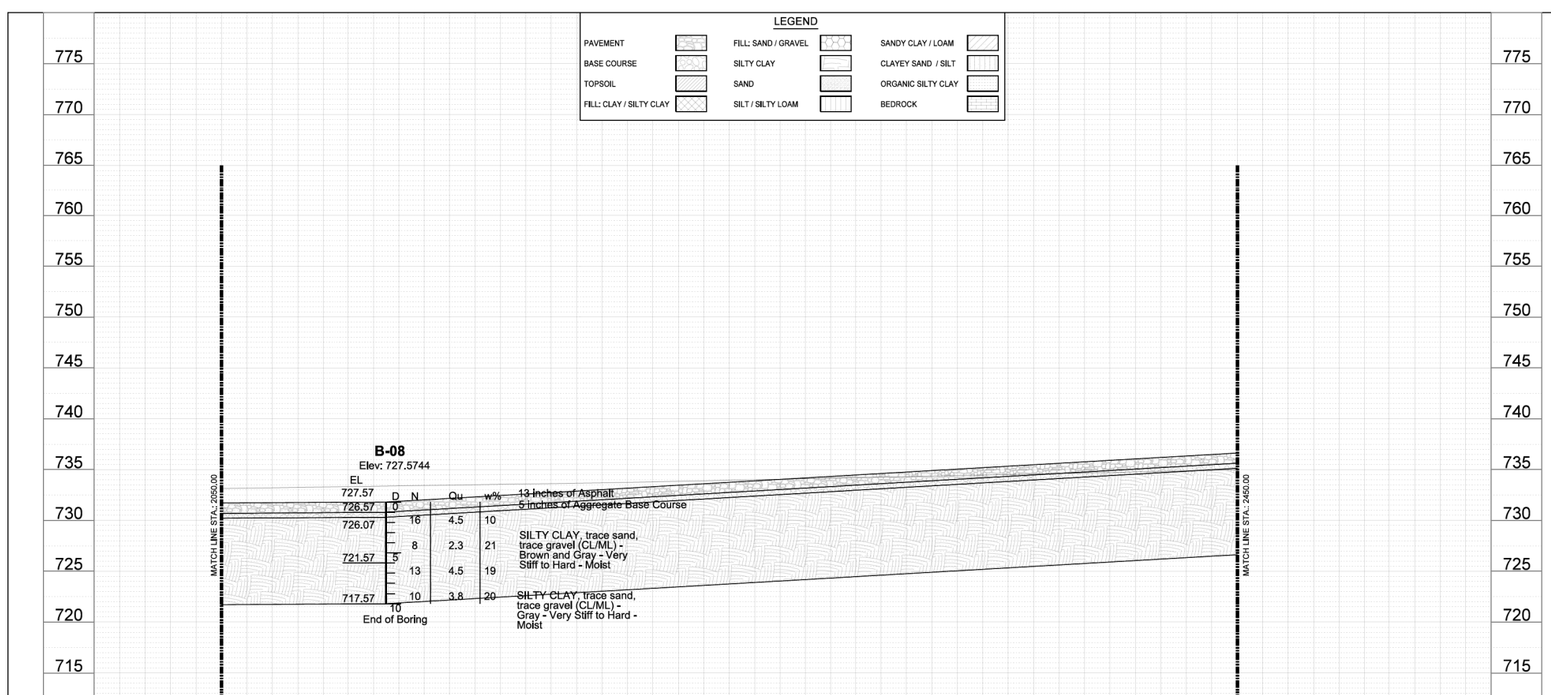
N PROFILE

ROAD
LLINOIS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
SOIL BORING LOGS - PROFILE

SCALE: N/A | SHEET 4 OF 6 SHEETS | STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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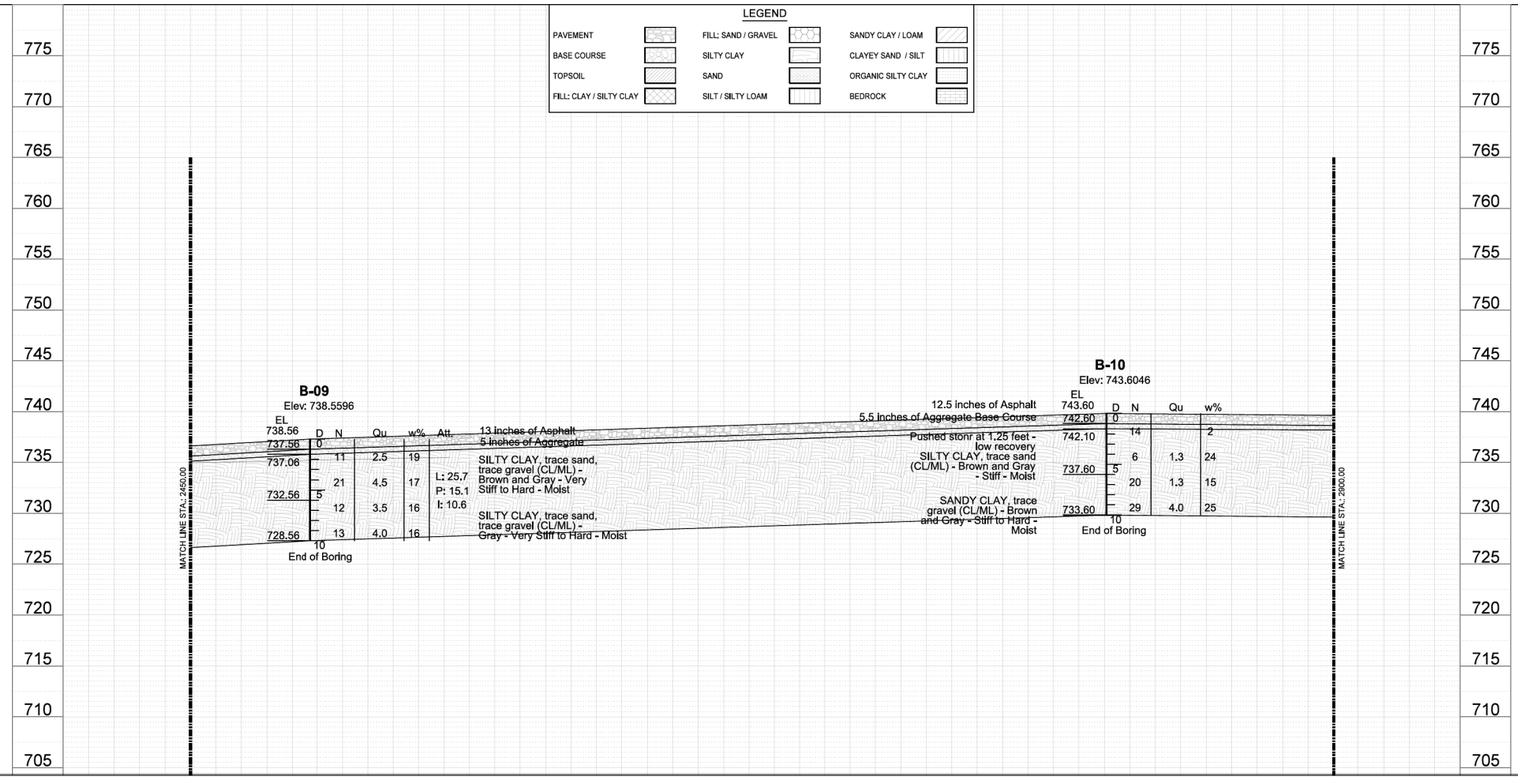

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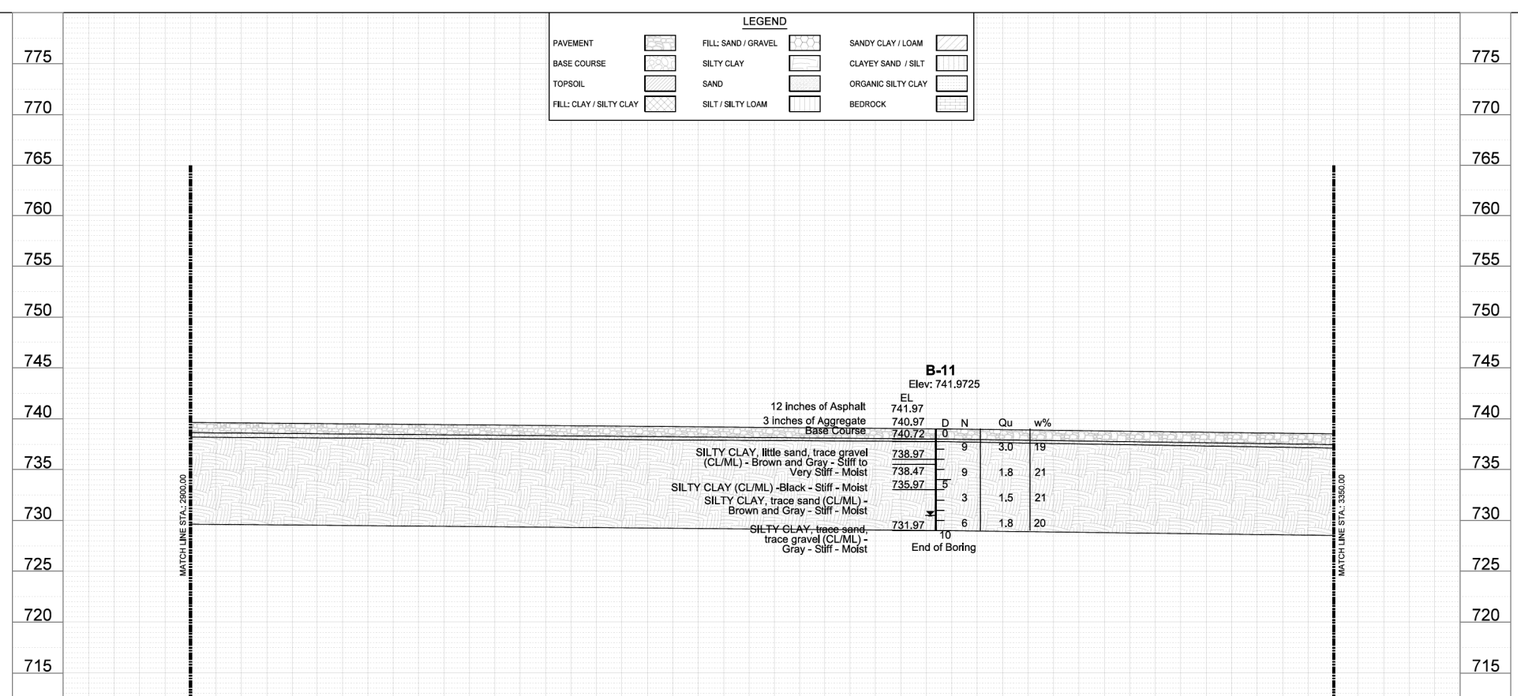
ROAD
LLINOIS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
SOIL BORING LOGS - PROFILE

SCALE: N/A | SHEET 5 OF 6 SHEETS | STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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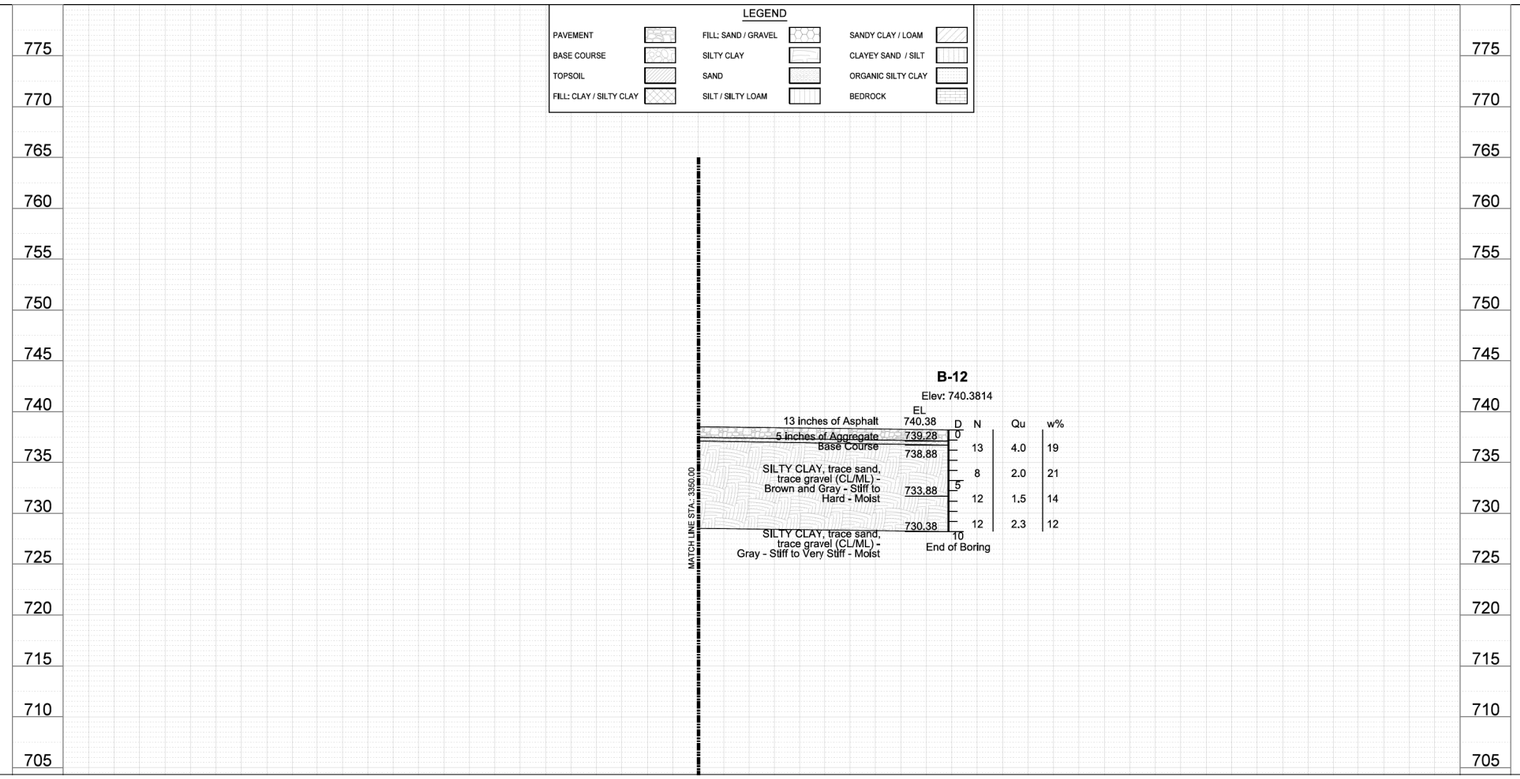

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ROAD
LLINOIS

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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

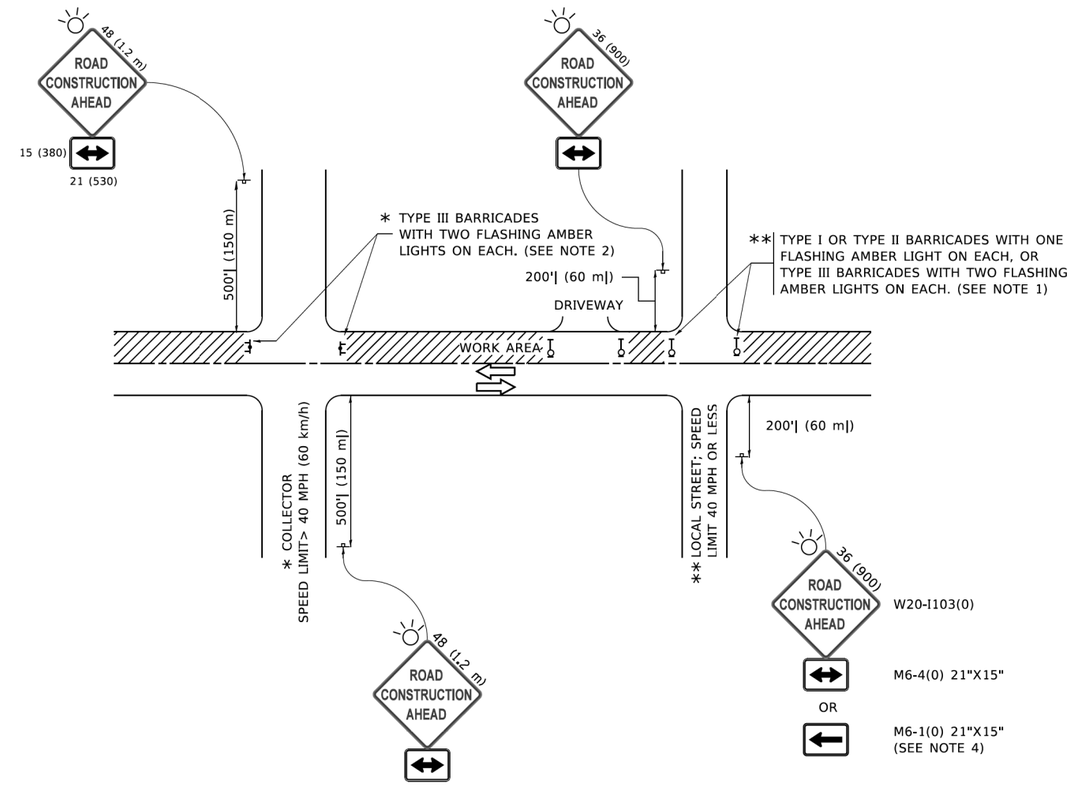
WOODFIELD ROAD
SOIL BORING LOGS - PROFILE

SCALE: N/A | SHEET 6 OF 6 SHEETS | STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	134

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
HIGHWAY STANDARDS – TRAFFIC CONTROL AND PROTECTION

SCALE: N/A | SHEET 1 OF 16 SHEETS | STA. N/A N/A TO STA. N/A N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	135
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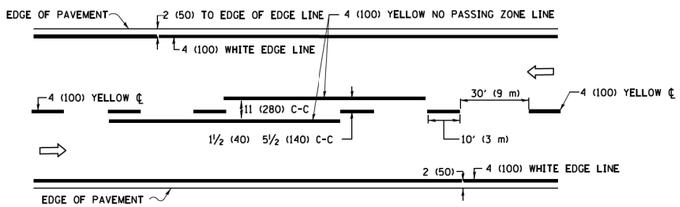
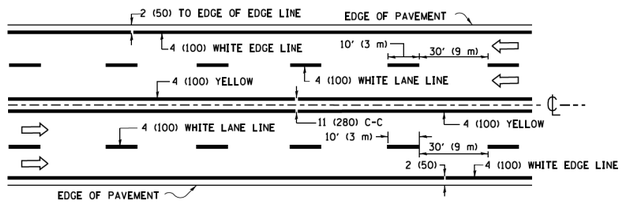
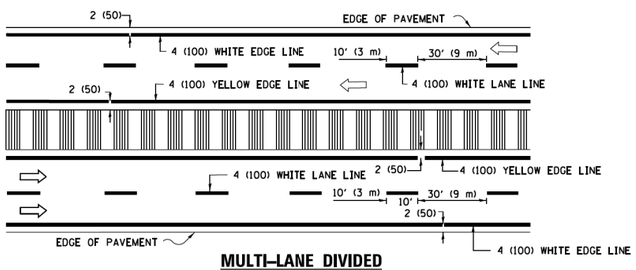
		ILLINOIS	FED. AID PROJECT	



2–LANE ROADWAY



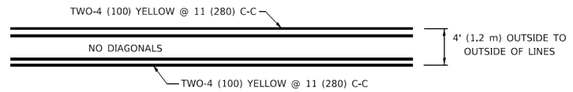
MULTI–LANE UNDIVIDED



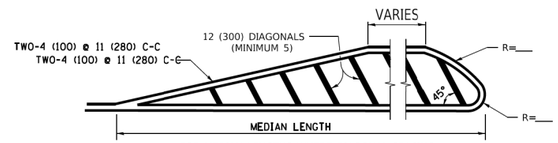
MULTI–LANE DIVIDED

WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



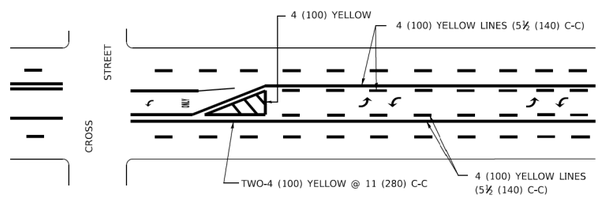
4' (1.2 m) WIDE MEDIANS ONLY



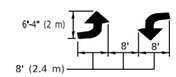
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

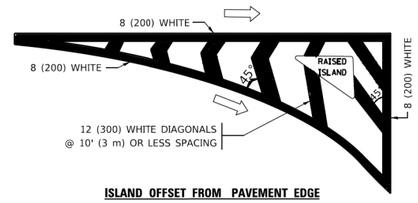


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

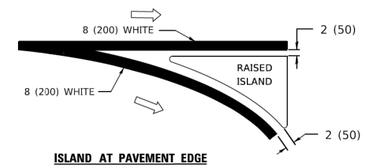


MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

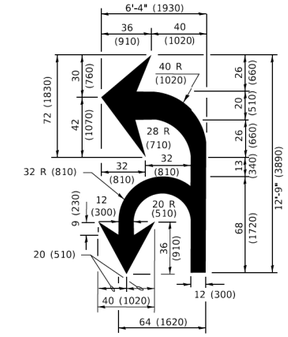


ISLAND OFFSET FROM PAVEMENT EDGE

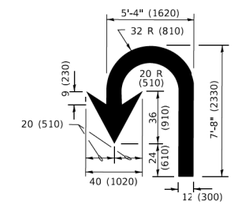


ISLAND AT PAVEMENT EDGE

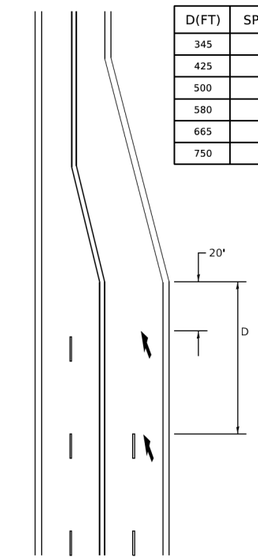
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



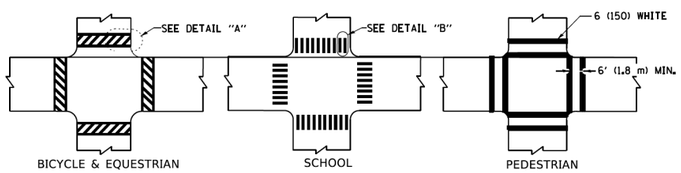
U–TURN

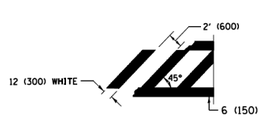


D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

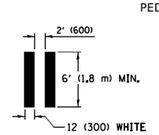
LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.





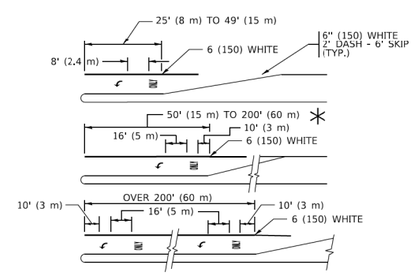
DETAIL "A"



DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
HIGHWAY STANDARDS – TYPICAL PAVEMENT MARKINGS

SCALE: N/A | SHEET 2 OF 16 SHEETS | STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	136
	TC-13	CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

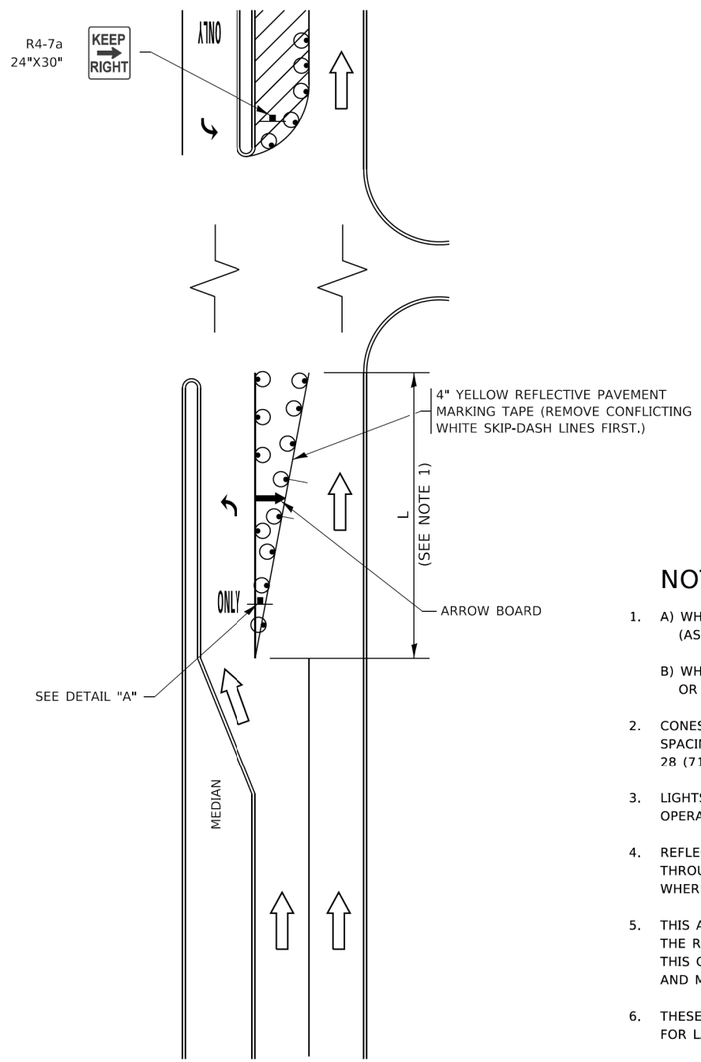


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

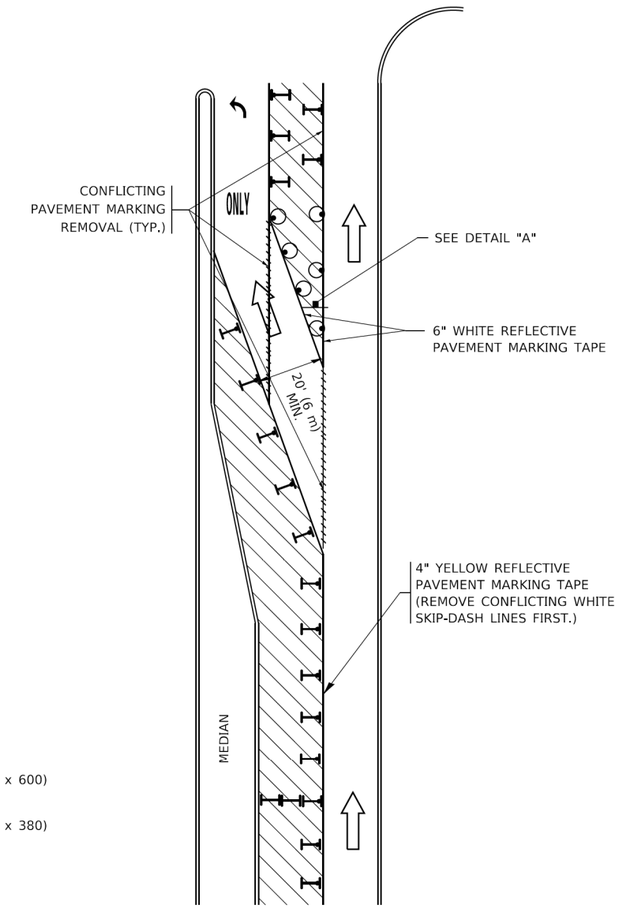
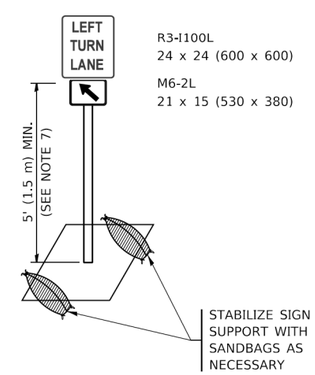


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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Globetrotters® Engineering Corporation	USER NAME = mohammedali	DESIGNED - RH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WOODFIELD ROAD HIGHWAY STANDARDS – TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
		DRAWN - CW	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -		
	PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -		SCALE: N/A SHEET 3 OF 16 SHEETS STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-14	CONTRACT NO. 61L43		
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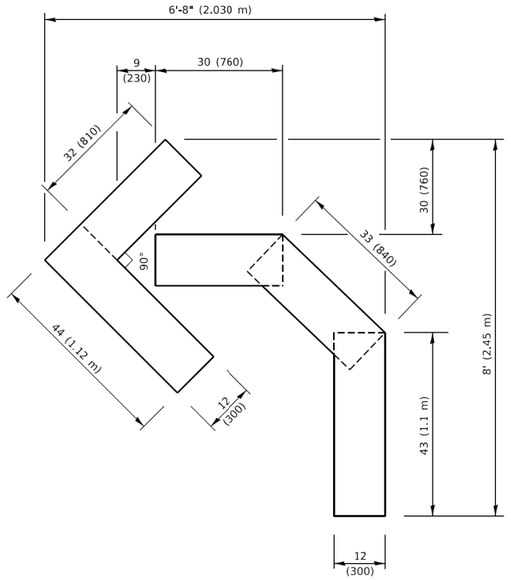
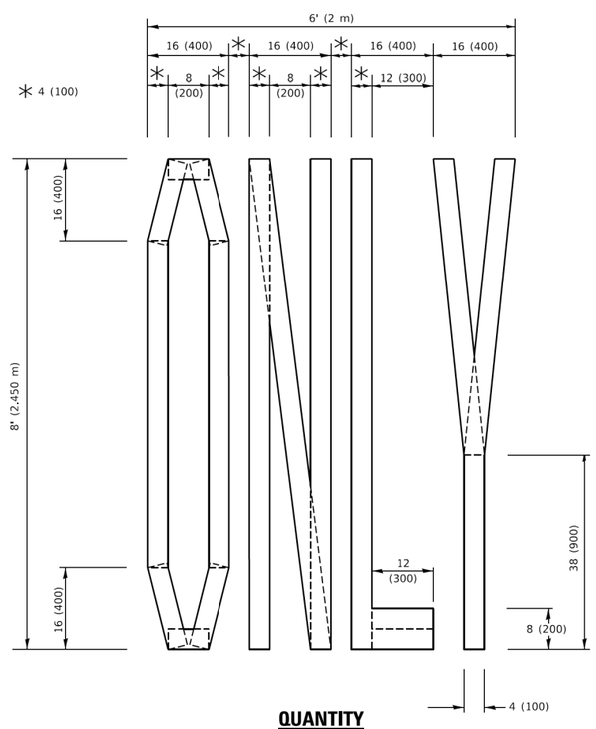


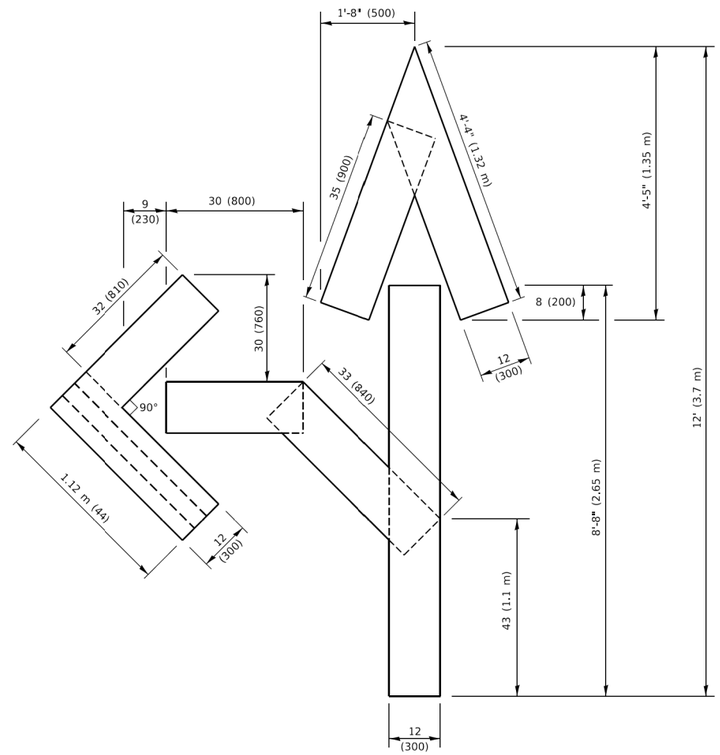
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



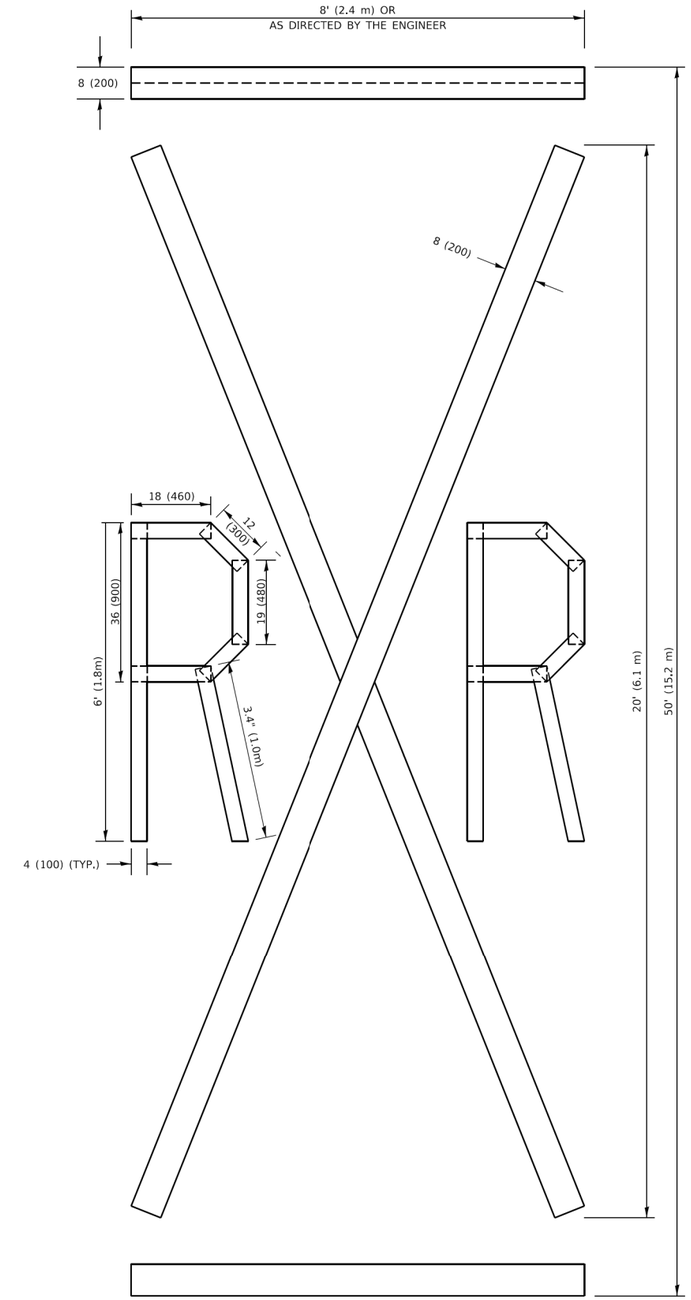
QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)



QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
HIGHWAY STANDARDS – SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: N/A | SHEET 4 OF 16 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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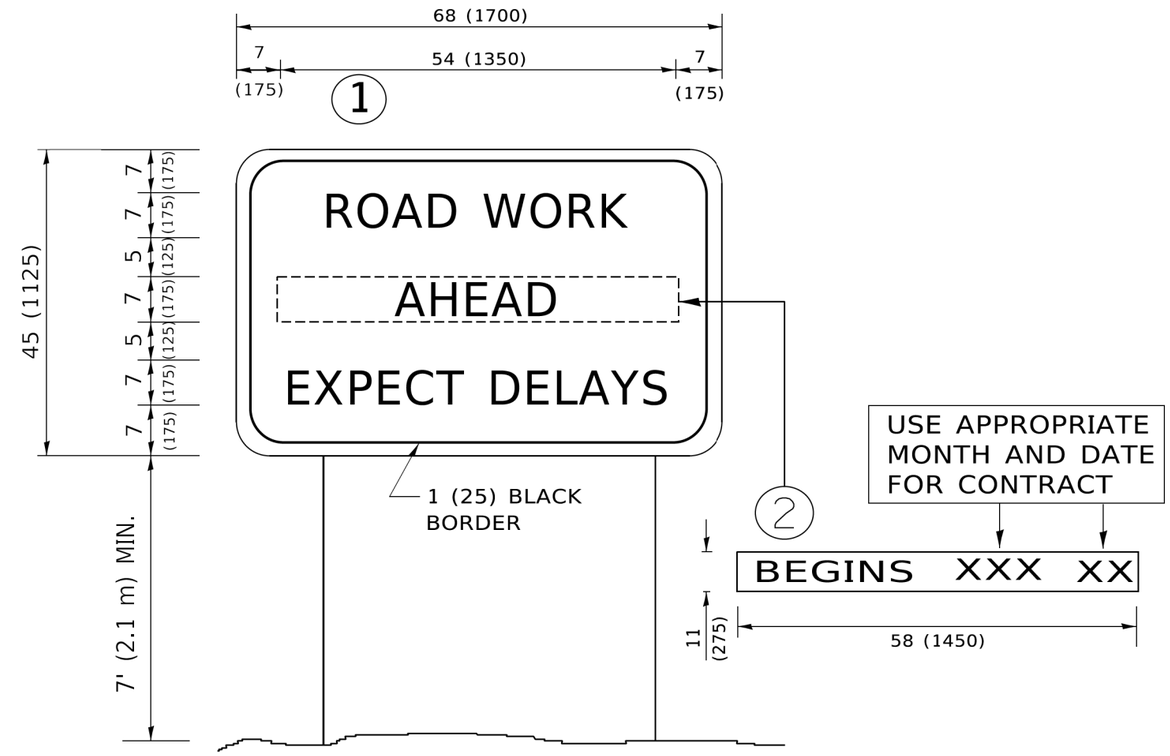
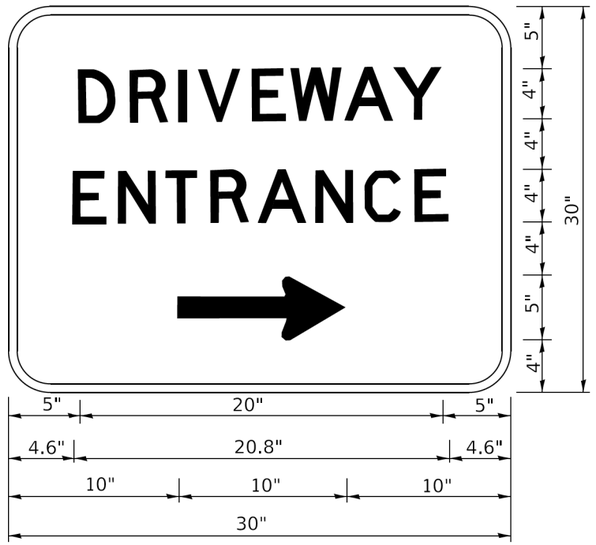
	TC-16	CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

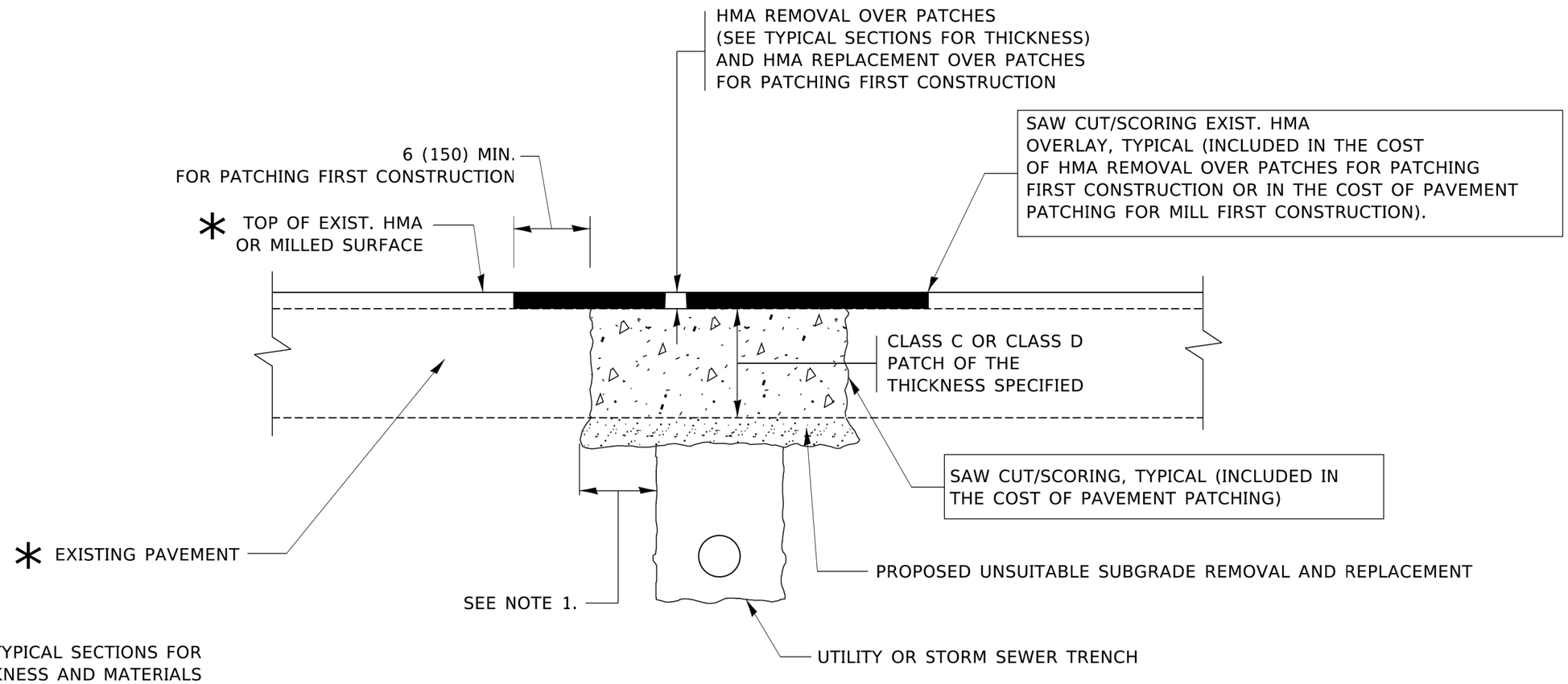
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

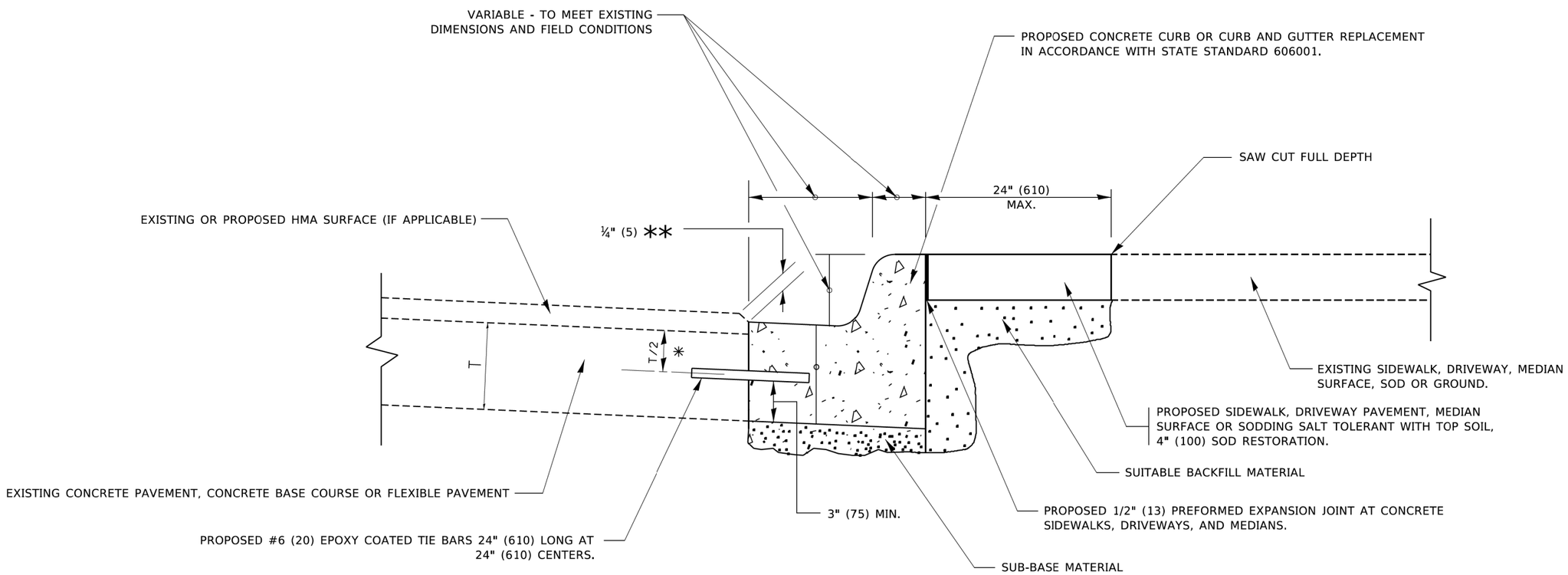
SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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WOODFIELD ROAD
HIGHWAY STANDARDS – CURB OR CURB AND GUTTER EMOVAL AND REPLACEMENT

SCALE: N/A | SHEET 8 OF 16 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	BD-24	CONTRACT NO. 61L43		
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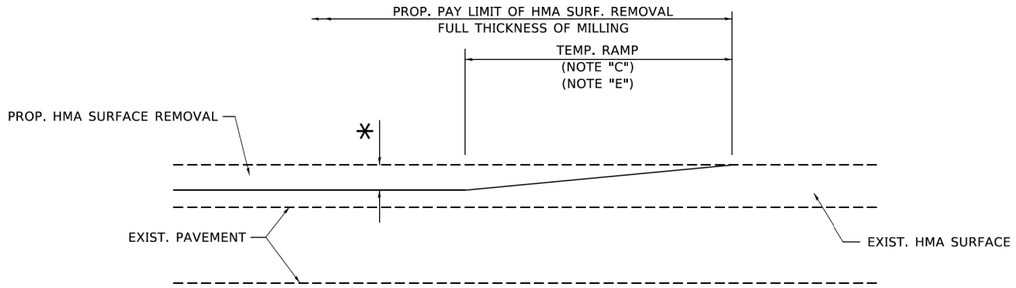
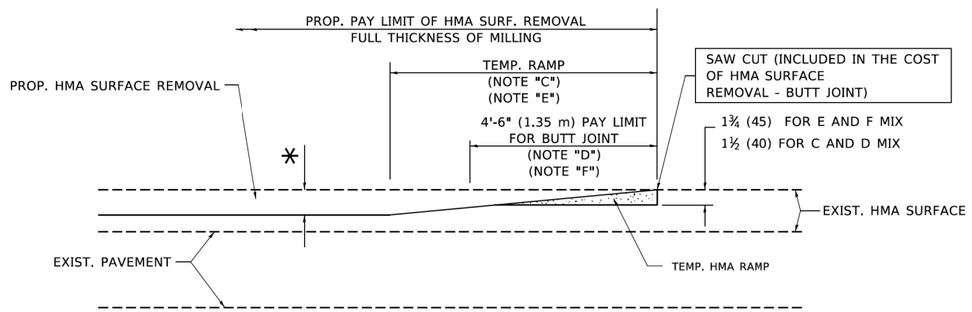


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

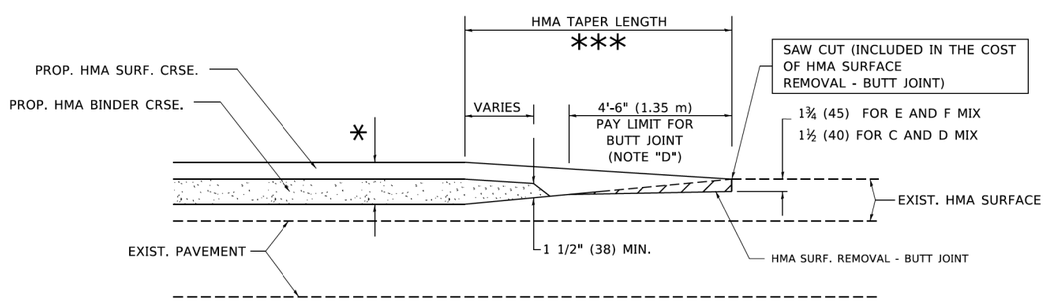


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

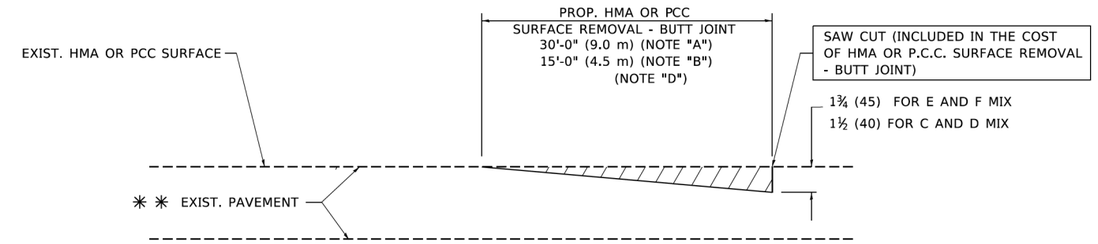
OPTION 2

TYPICAL TEMPORARY RAMP

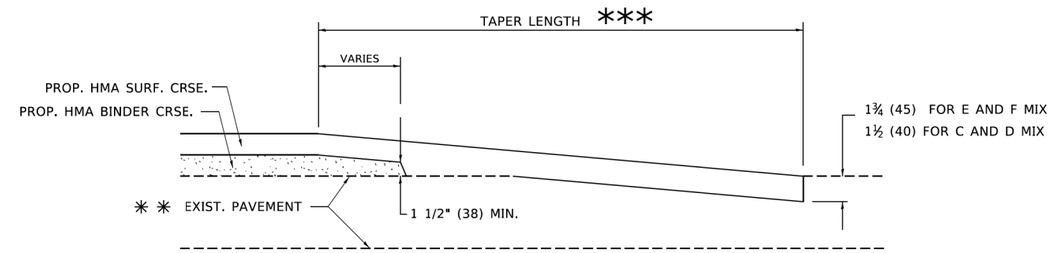


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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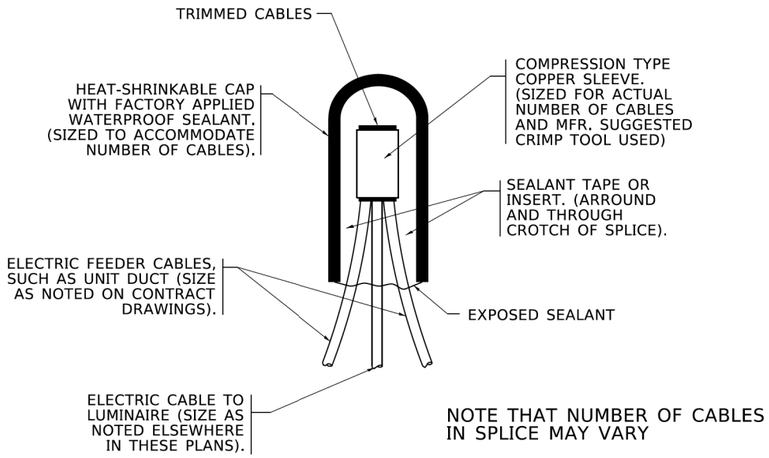
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
HIGHWAY STANDARDS – BUTT JOINT AND HMA TAPER DETAILS

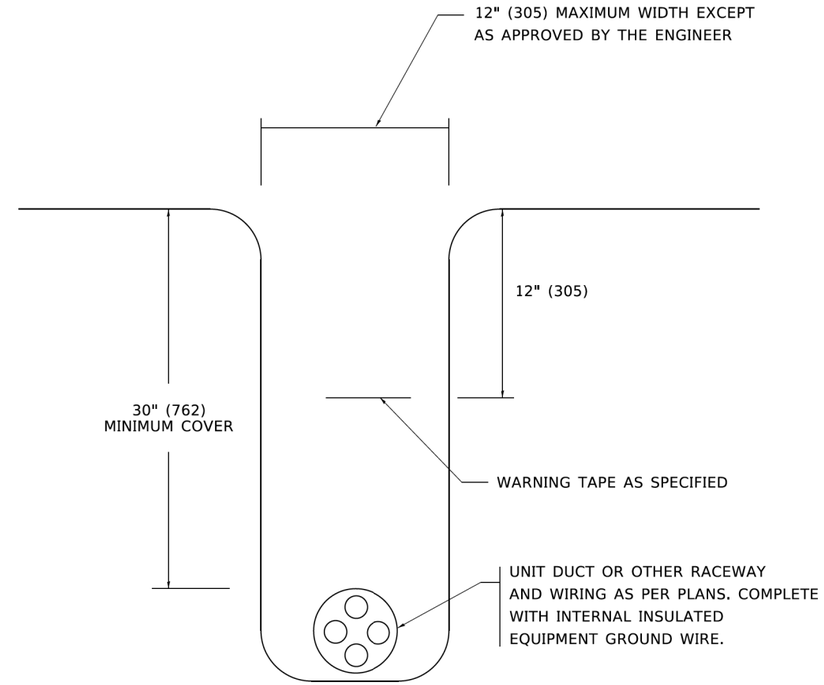
SCALE: N/A | SHEET 9 OF 16 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	143
	BD-32	CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



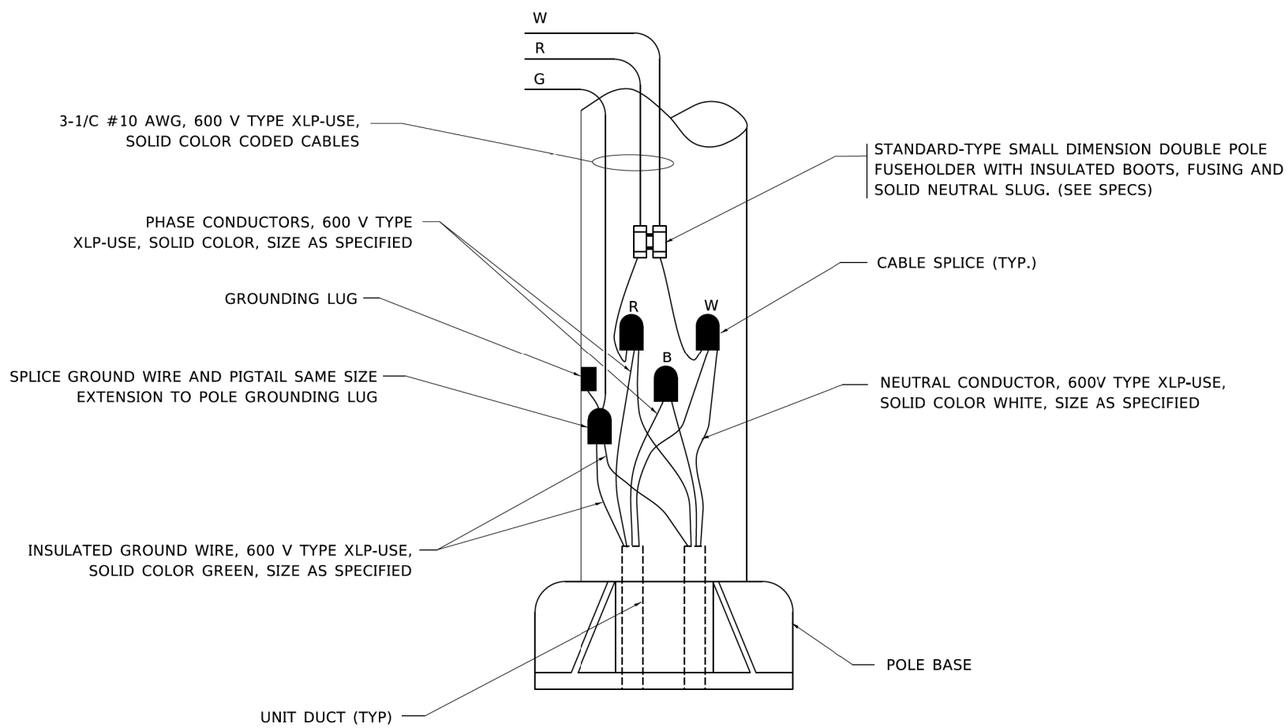
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

MODEL: Default
FILE NAME: P:\projects\19014001\CADD\CAD Sheets\19014-sht-Standards.dgn

Globetrotters® Engineering Corporation	USER NAME = mohammedali	DESIGNED - RH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WOODFIELD ROAD HIGHWAY STANDARDS – MISC. ELECTRICAL DETAILS
		DRAWN - CW	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -		
	PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -		SCALE: N/A SHEET 10 OF 16 SHEETS STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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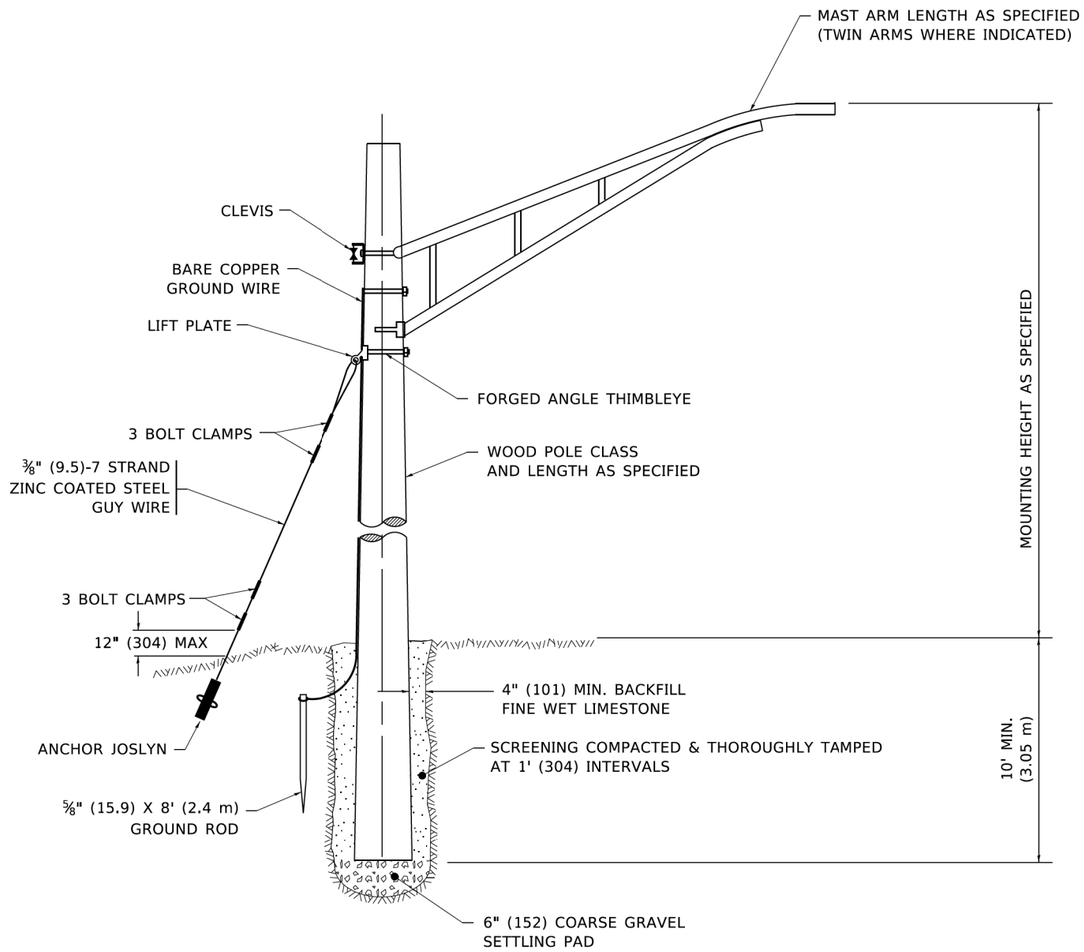
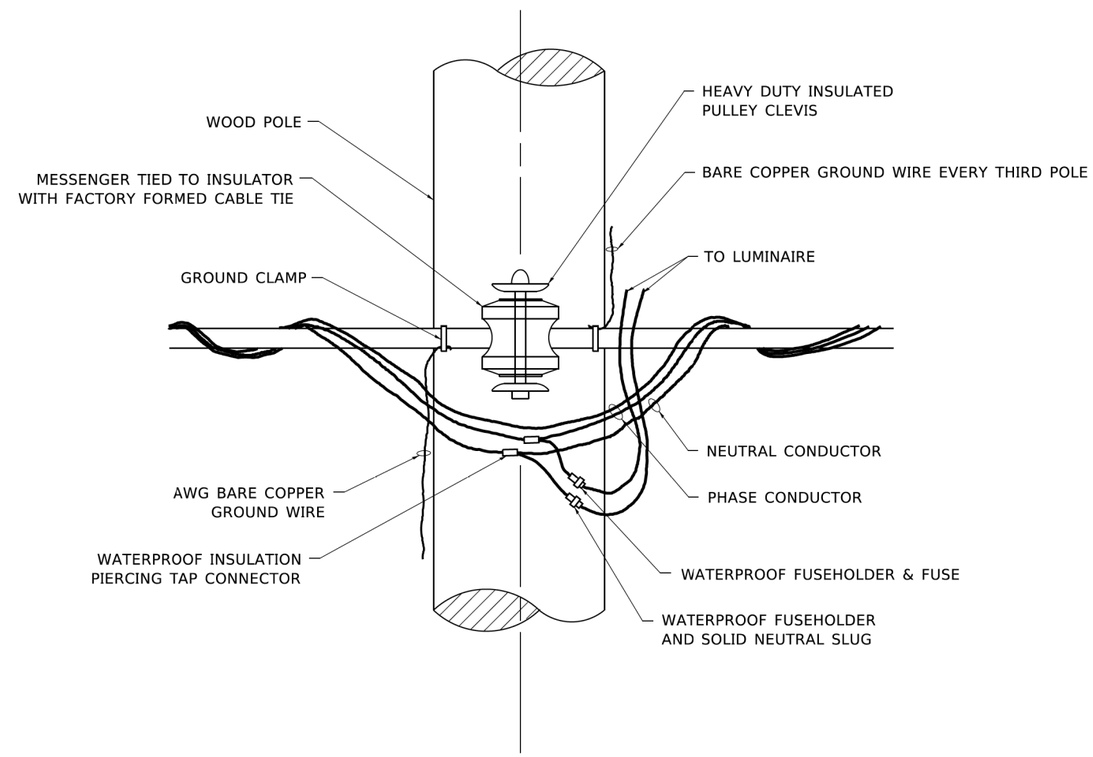
	BE-702	CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



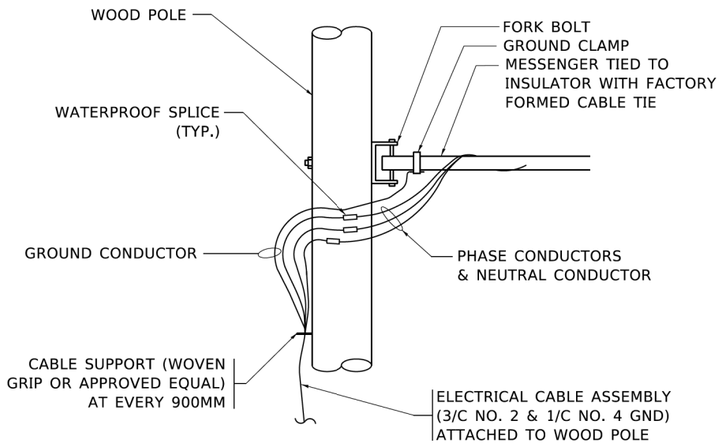
TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

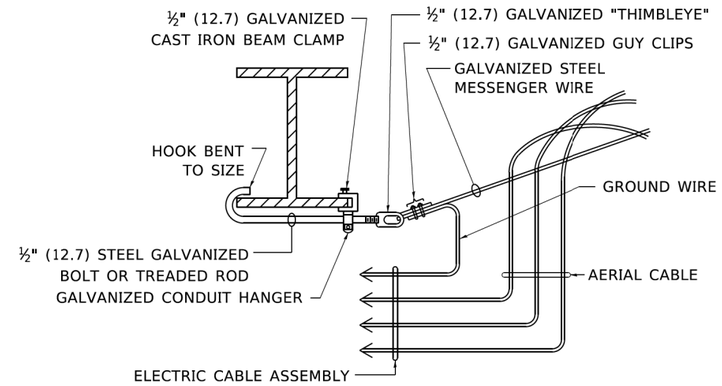
NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



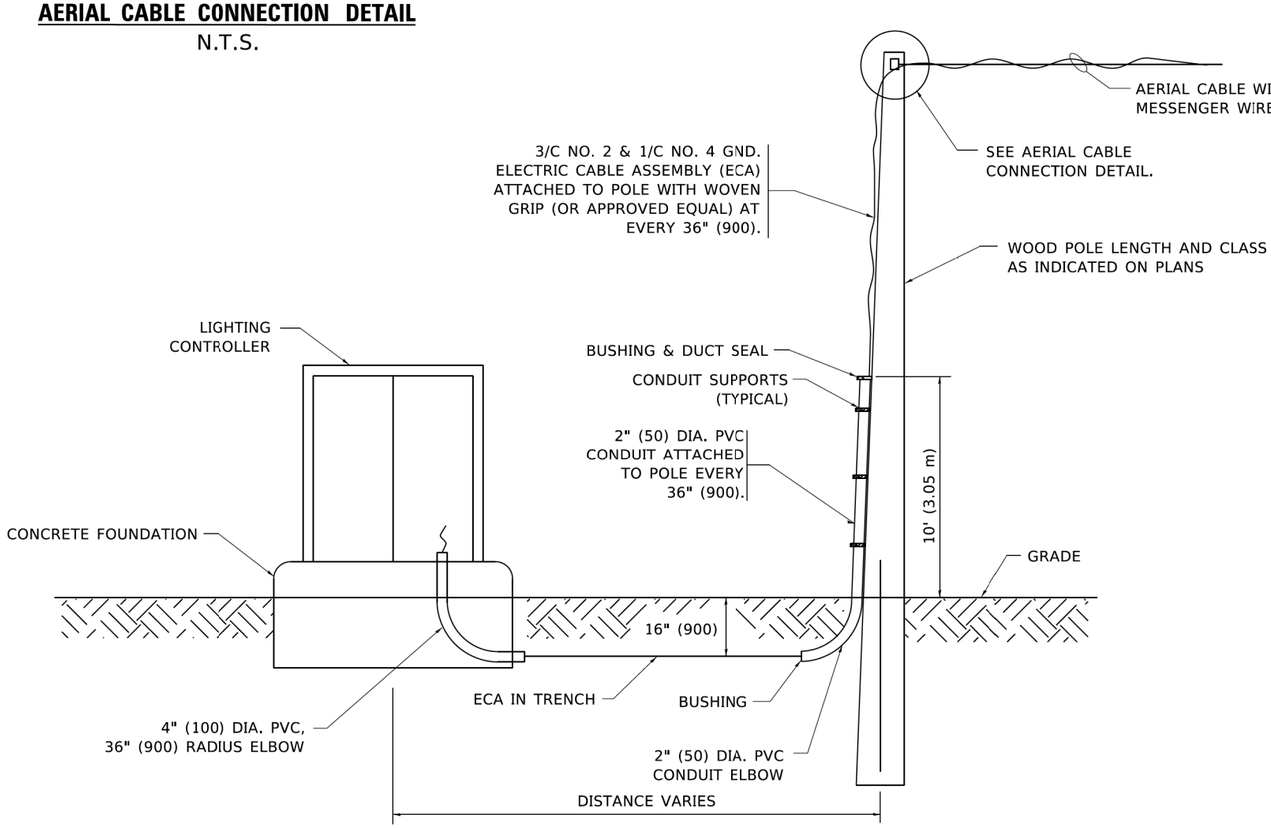
AERIAL CABLE CONNECTION DETAIL

N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE

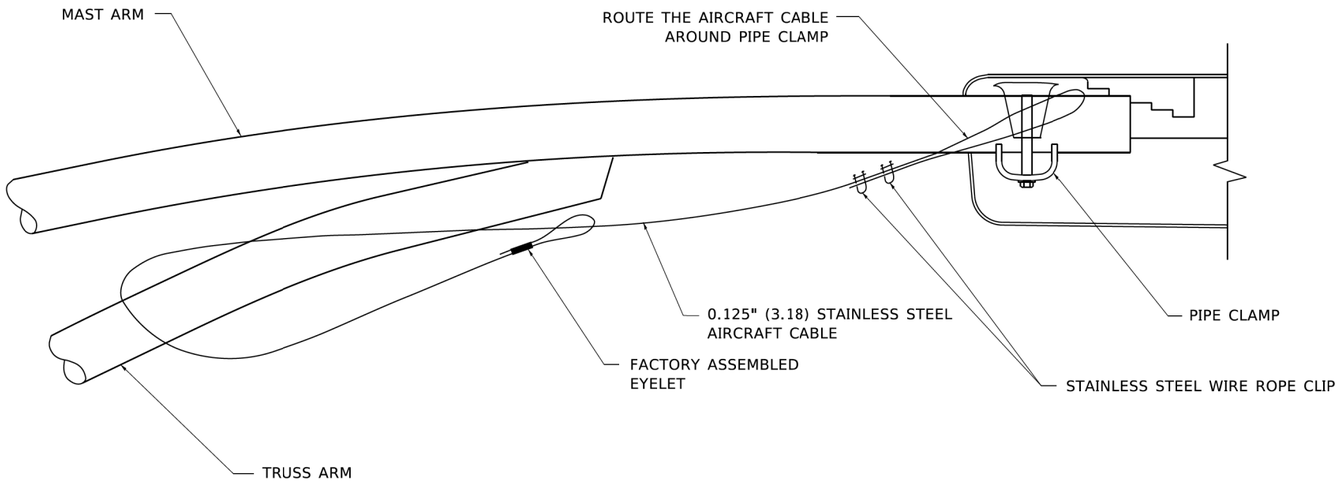


WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

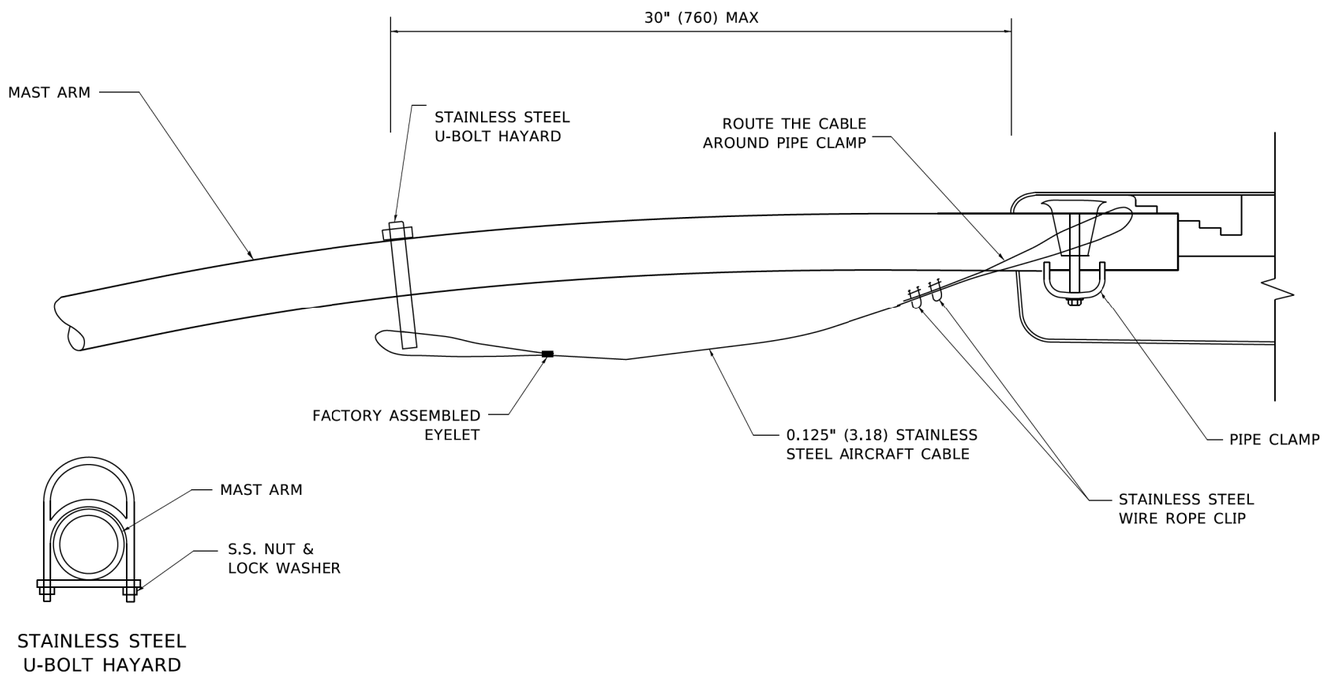
N.T.S.

NOTES:

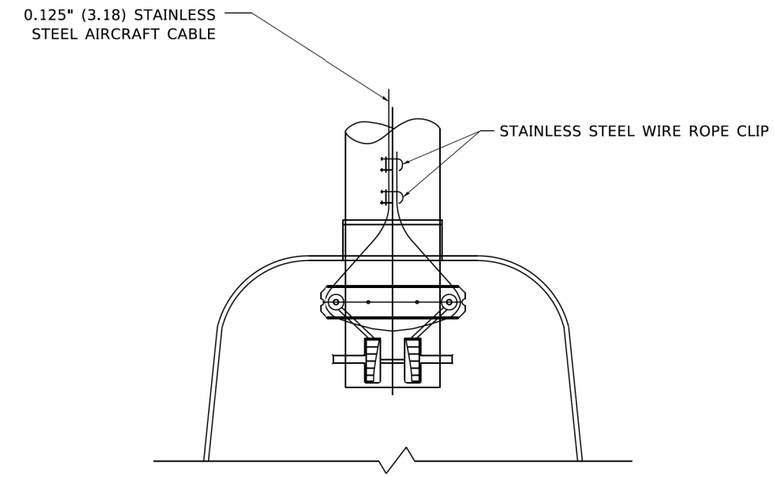
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



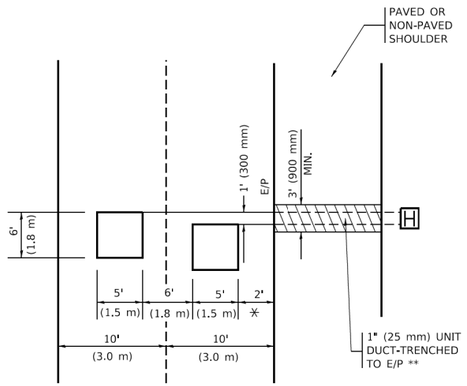
BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



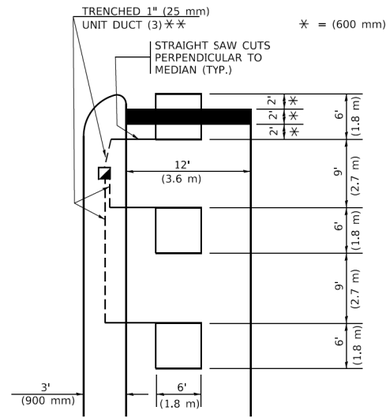
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

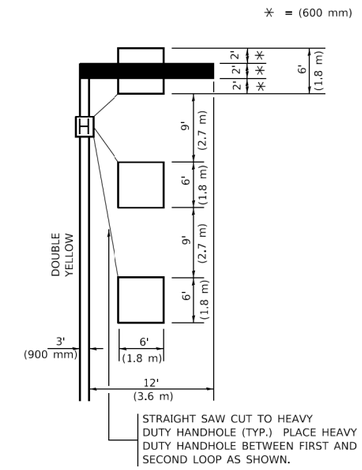


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY (''FAR OUT'' DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

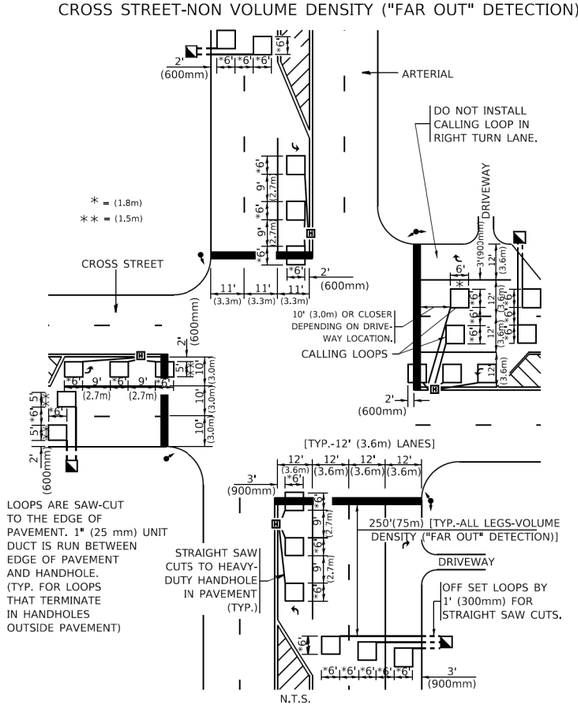
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

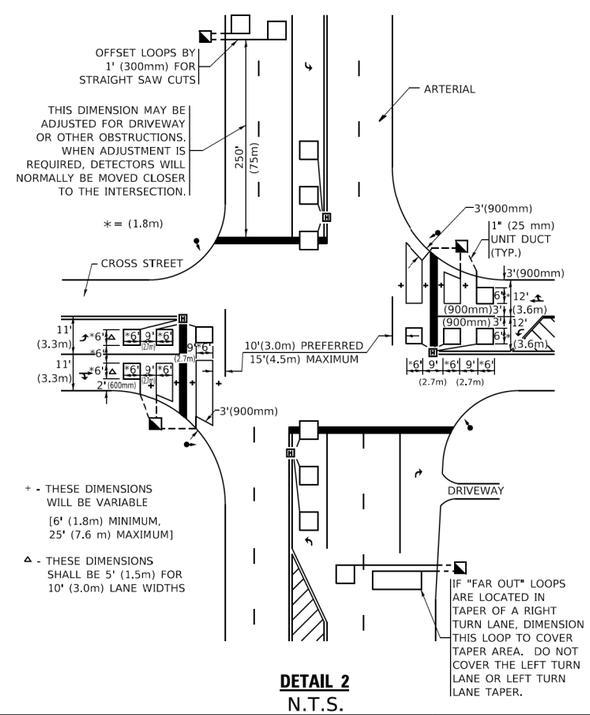
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

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Globetrotters® Engineering Corporation	USER NAME = mohammed.ali	DESIGNED - RH	REVISED -
		DRAWN - CW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -
	PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
HIGHWAY STANDARDS –
DETECTOR LOOP INSTALLATION – DETAILS FOR ROADWAY RESURFACING

SCALE: N/A | SHEET 14 OF 16 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	148
	TS-07	CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																															PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		5			8		8			11	11			14	18			18		22			22		26			26			CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◊
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	R	R	R	R	R	G ◄G	G ◄Y	G ◄G	Y	R	G	G	Y	R	R	R	**R**	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	**R**	R	R	R	R	R	R	R	R	R	R	R	R	**G**	R	◊
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	G ◄G	G ◄Y	G ◄G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	**R**	R	R	R	R	G	R	◊
MAIN STREET W/B FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	**R**	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄Y	R	R	R	R	R	G ◄G	Y	R	G ◄G	G ◄Y	G	Y	R	G	R	G	◊
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	◊
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄Y	G ◄G	Y	R	G ◄G	G ◄Y	R	R	R	R	**R**	G	Y	R	G	R	G	◊
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	**R**	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	G	◊
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	FH	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	**H**	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	◊
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	FH	H	H	FH	H	H	◊

◊ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

MODEL: Default
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Globetrotters® Engineering Corporation

USER NAME = mohammedali	DESIGNED - RH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

WOODFIELD ROAD
HIGHWAY STANDARDS –
EMERGENCY VEHICLE PREEMPTION – SEQUENCE OF OPERATION

SCALE: N/A | SHEET 15 OF 16 SHEETS | STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	149
	TS-08	CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	5 → 1				6 ⇄ 1			5 ↻ 2 ⇄			2 → 6 ⇄				7 ↳ 3			
PHASE	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7			
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17
CHANGE TO	/	1+6	2+5	2+6	⊖ /	⊖ /	2+6	⊖ /	⊖ /	2+6	/	/	3+7 3+8 4+7 4+8		/	1+5 1+6 2+5 2+6 4+8	3+8	4+7
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄G	R ◄Y	R ◄G	R ◄Y	R	R	R	G ◄G	G ◄G	G ◄Y	G	G	Y	R	R	R	R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄G	R ◄G	R ◄Y	R ◄Y	G ◄G	G ◄G	G ◄Y	R	R	R	G	G	Y	R	R	R	R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄G	R ◄Y	R ◄Y	R ◄G
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄G	R ◄Y	R ◄G	R ◄Y
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	H	H	H	*P	**FH	H	H	H	H	*P	**FH	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	*P	**FH	H	*P	**FH	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H

MOVEMENT	3 ↰ 8 ↑					4 ↓ 7 ↳					4 ↓ 8 ↑				FLASH
PHASE	3 + 8					4 + 7					4 + 8				
INTERVAL	18	19	20A	20B	21	22	23	24A	24B	25	26	27	28A	28B	
CHANGE TO	⊖ /	⊖ /	1+5 1+6 2+5 2+6		4+8	⊖ /	⊖ /	1+5 1+6 2+5 2+6		4+8	/	/	1+5 1+6 2+5 2+6		
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	G ◄G	G ◄G	Y	R	G ◄Y	G	G	Y	R	R
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	G ◄G	G ◄G	Y	R	G ◄Y	R	R	R	R	R	G	G	Y	R	R
CROSS STREET N/B FAR RIGHT SIGNAL	G	G	Y	R	G	G	G	Y	R	G	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	D
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	A
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	*P	**FH	H	H	H	H	H	H	H	H	*P	**FH	H	H	R
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	*P	**FH	H	H	H	*P	**FH	H	H	K

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

** FLASHING "✋" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE. THIS "✋" OR FLASHING "✋" INTERVAL MAY FINISH TIMIMG IN THE

⊖ BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "✋" OR FLASHING "✋" INTERVALS. "✋" AND FLASHING "✋" TIMINGS TO BE SET ONLY ON PHASES WHERE "✋" AND FLASHING "✋" ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

NLT = "NO LEFT TURN" OR

NRT = "NO RIGHT TURN" OR

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

														PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		8		11		14	18		22	26											
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER														2		3							
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE	
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	2	1N	2	1Q	2	1S	2	3	4	5			
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△	
MAIN STREET E/B FAR RIGHT SIGNAL	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△	
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G ◄G	△	
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△	
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R ◄G	R	R	G ◄G	G	G	R	R	G	G	G ◄G	Y	R	R	△	
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	G	G	G	Y	R	R	△	
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R ◄Y	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△	
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△	
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△	
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△	
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	△	
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	△	
INTERNALLY ILLUMINATED NRT SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△	
INTERNALLY ILLUMINATED NLT SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	△	
																					HOLD		

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

MODEL: Default
FILE NAME: P:\projects\19014\01\C\CADD\CAD Sheets\19014-ph-Standards.dgn

Globetrotters® Engineering Corporation

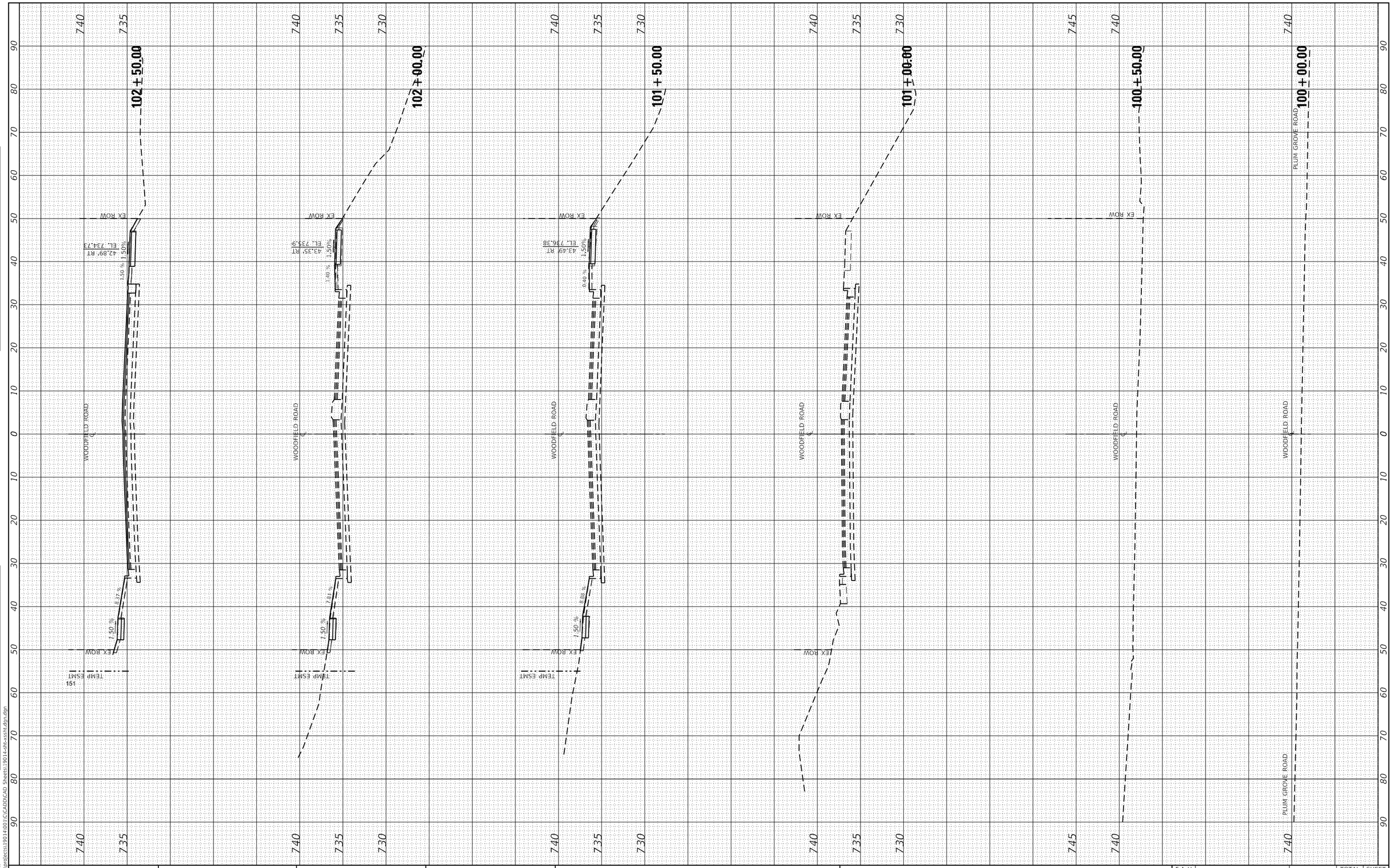
USER NAME = mohammedali	DESIGNED - RH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
HIGHWAY STANDARDS –
EMERGENCY VEHICLE PREEMPTION – SEQUENCE OF OPERATION

SCALE: N/A | SHEET 16 OF 16 SHEETS | STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	150
	TS-08	CONTRACT NO. 61L43		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

MODEL: Default
FILE NAME: P:\projects\19014\001\CiCADD\CAD Sheets\19014-sht-csstit.dgn

Globetrotters® Engineering Corporation

USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

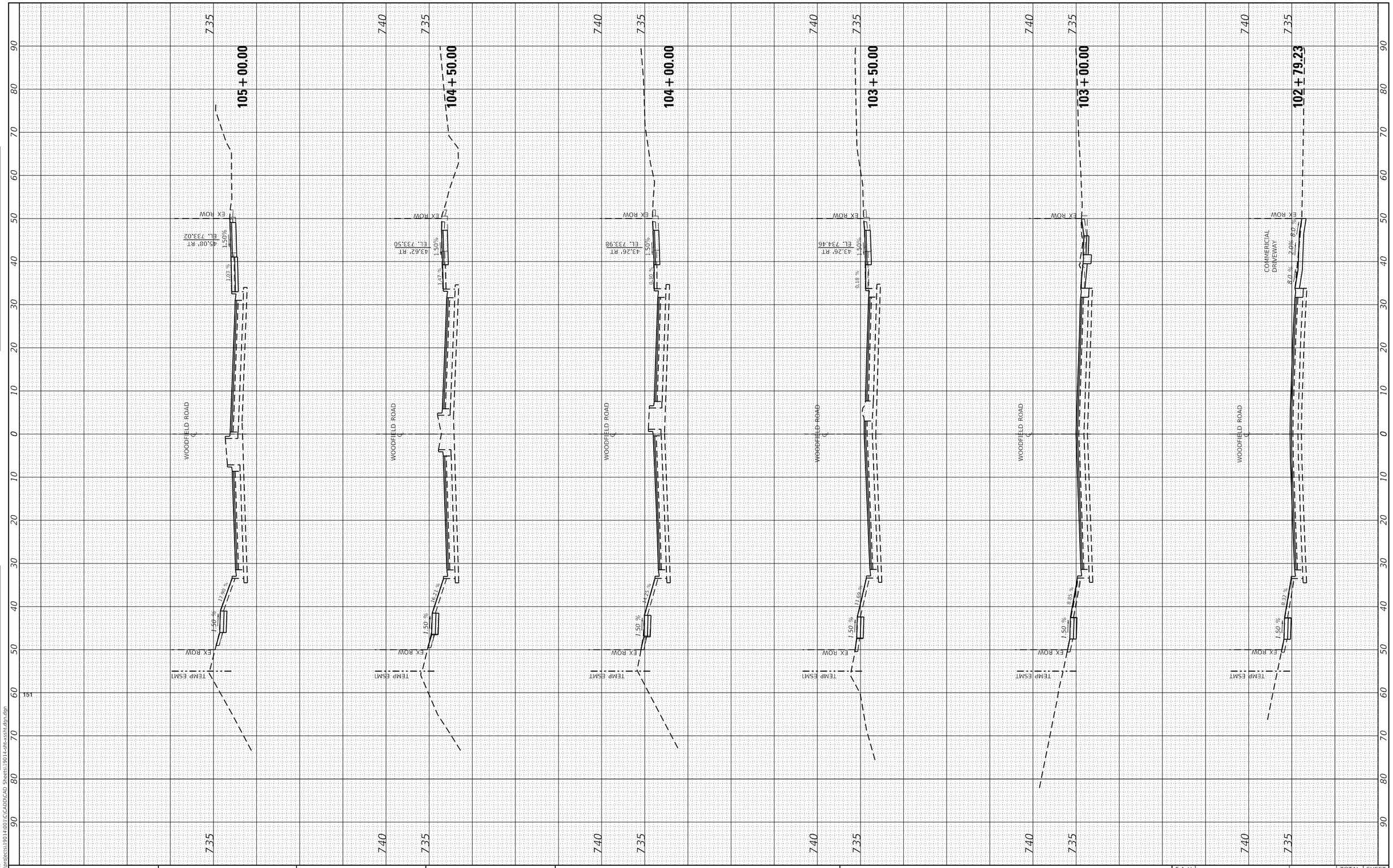
WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 1 OF 14 | STA. 100+00.00 TO STA. 102+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	151

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: Default
FILE NAME: P:\projects\19014\001\CIC\ADD\CAD Sheets\19014-sht-ssstlt.dgn.dgn

Globetrotters® Engineering Corporation

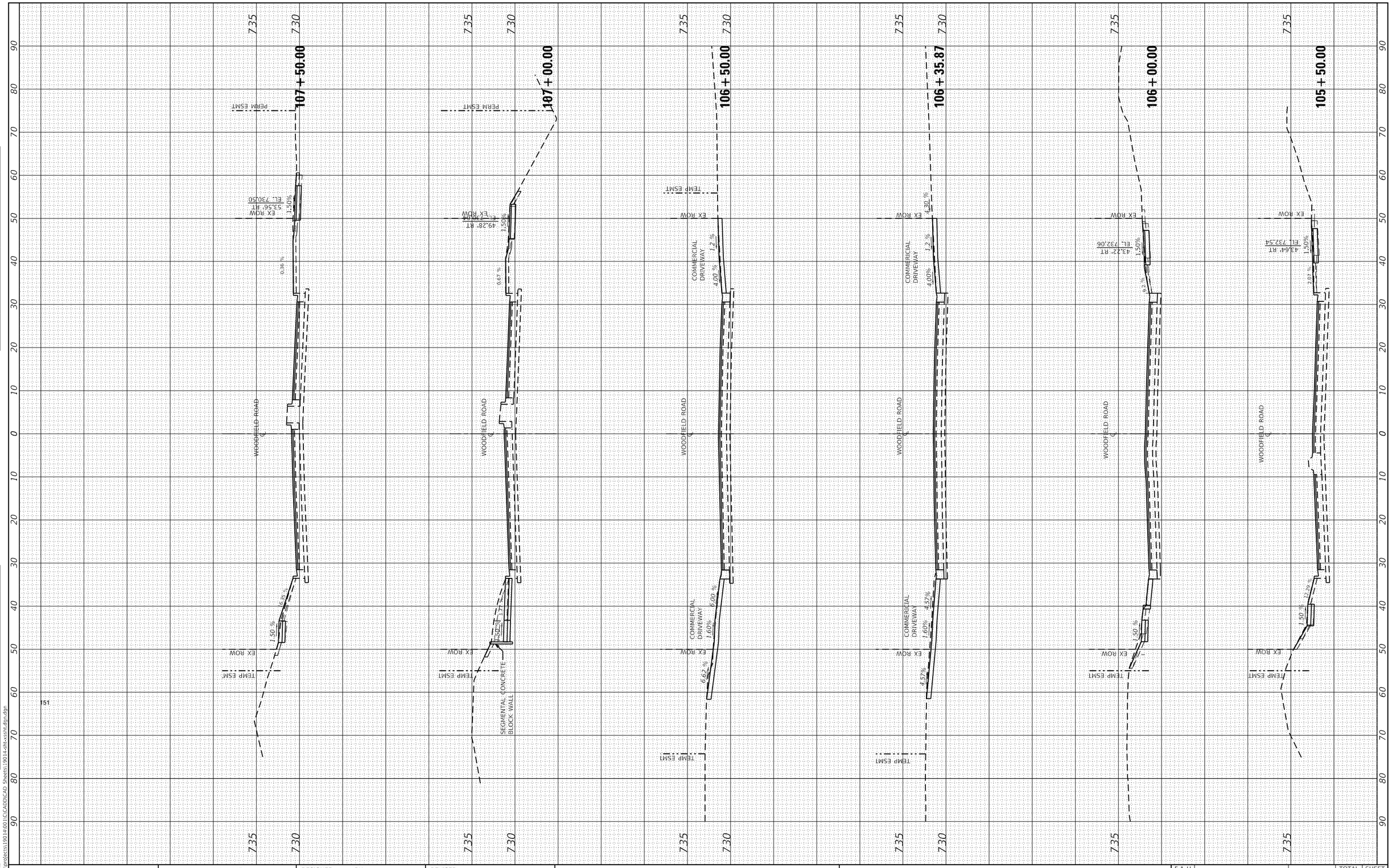
USER NAME = mohammed.ali	DESIGNED - BH	REVISED -
	DRAWN - CW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 2 OF 14 | STA. 102+79.23 TO STA. 105+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	152
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

MODEL: Default
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Globetrotters® Engineering Corporation

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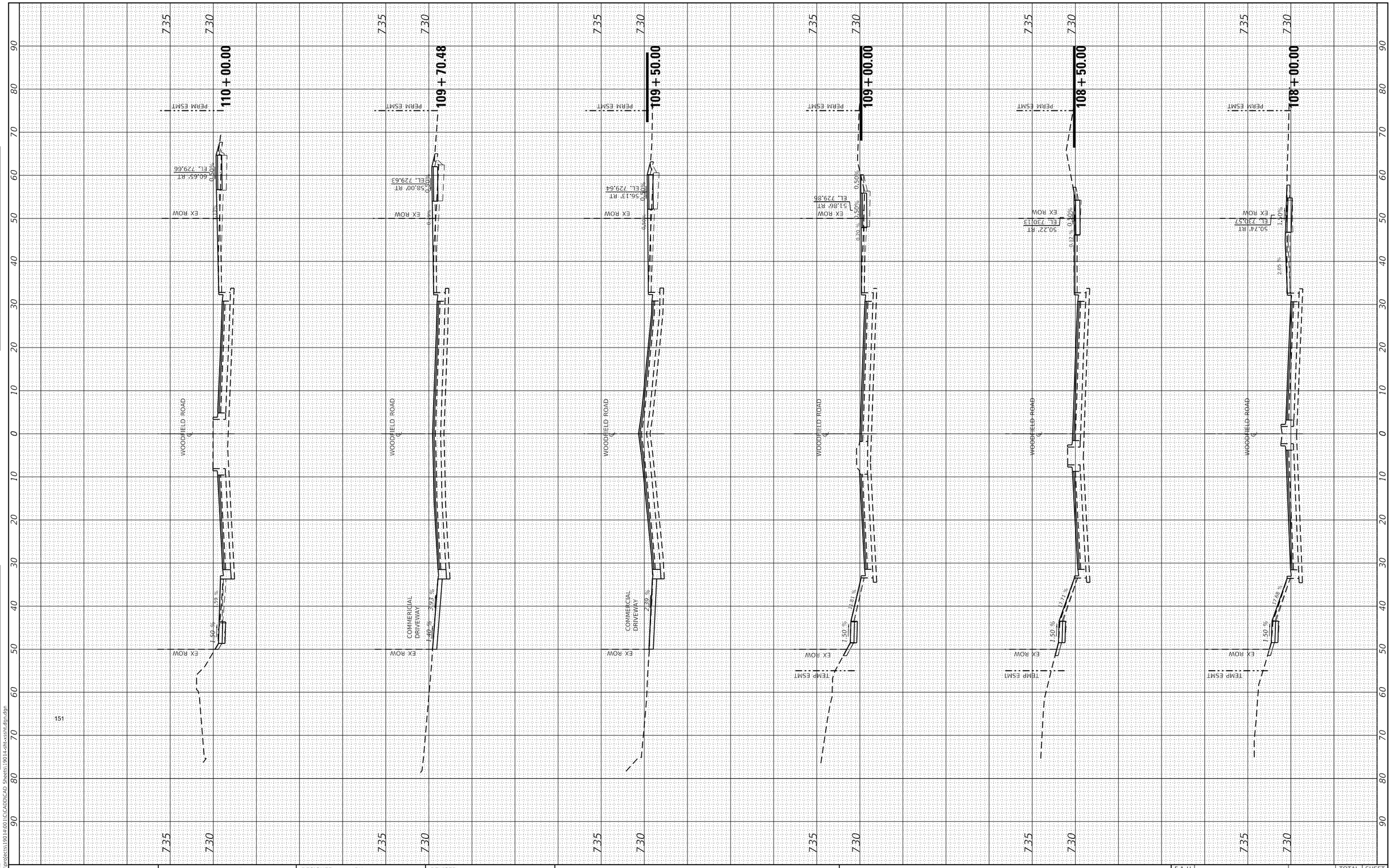
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 3 OF 14 | STA. 105+50.00 TO STA. 107+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	153
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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FILE NAME: P:\projects\190140011\CADD\CAD Sheets\190114-sht-xsht.dgn

Globetrotters® Engineering Corporation

USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
	DRAWN - CW	REVISED -	
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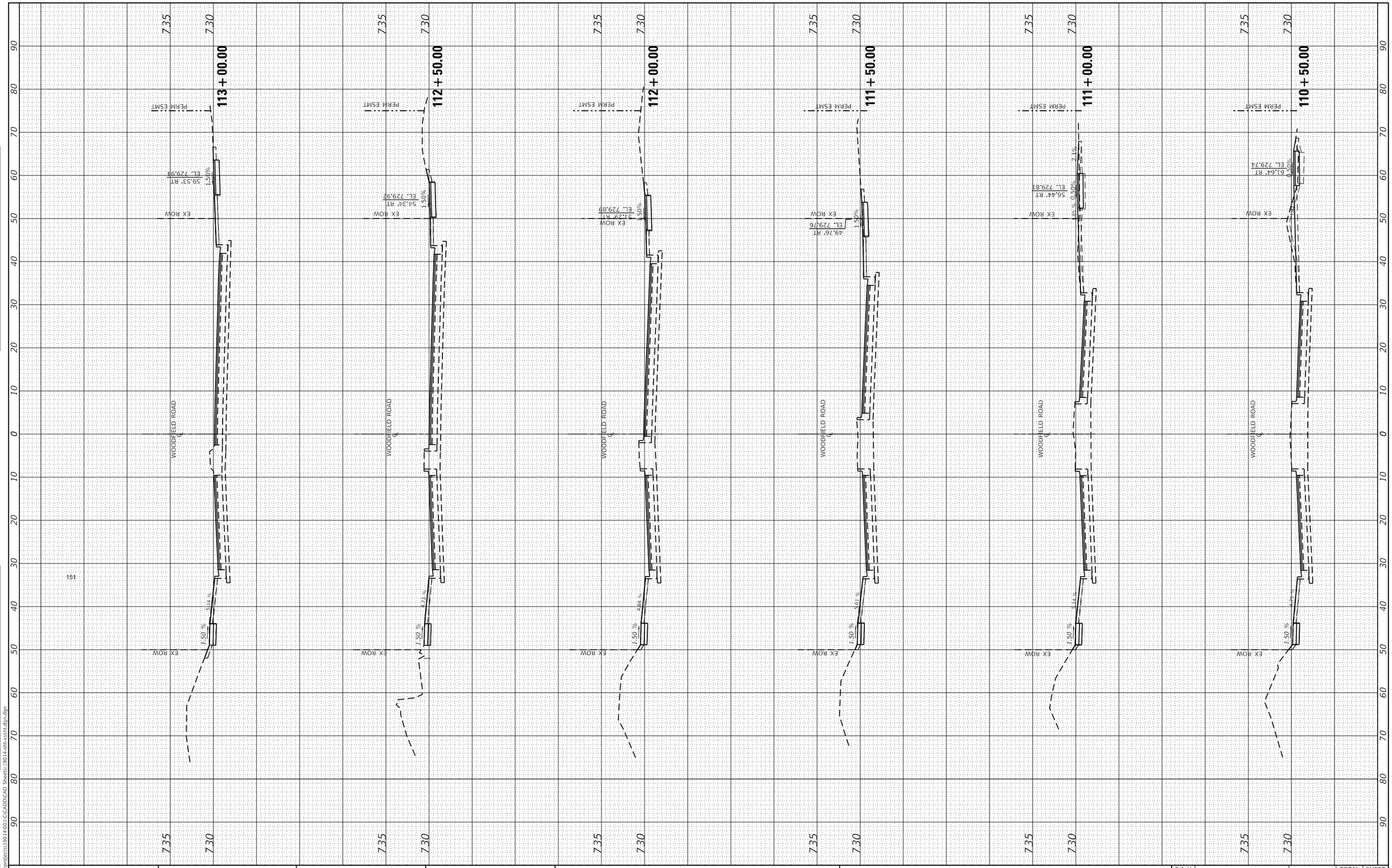
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 4 OF 14 | STA. 108+00.00 TO STA. 110+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	154
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

MODEL: Default
FILE NAME: P:\projects\19014001\CADD\CAD Sheets\19014-sht-xsht.dgn

Globetrotters® Engineering Corporation

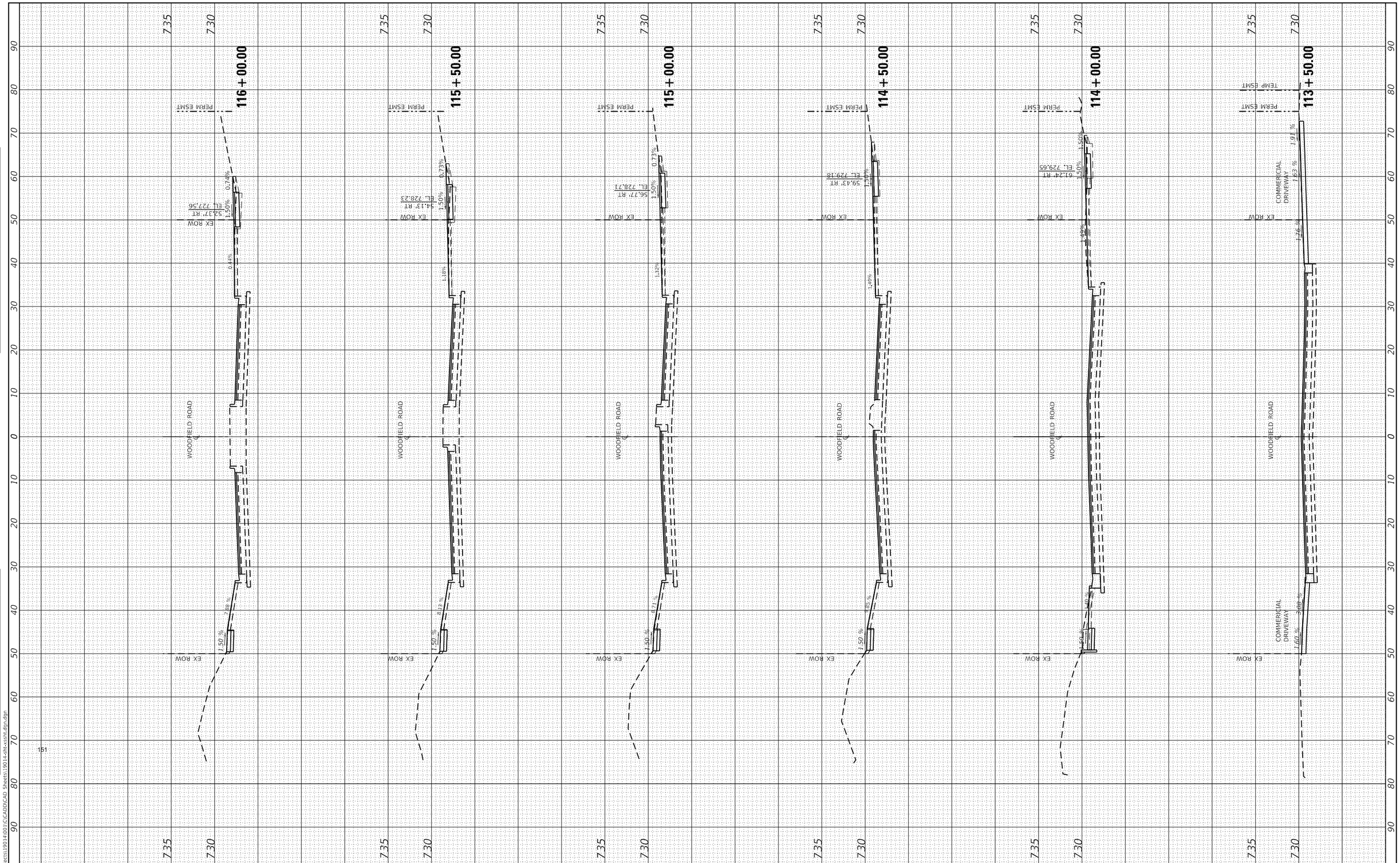
USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 5 OF 14 | STA. 110+50.00 TO STA. 113+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	155
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

151

MODEL: Default
FILE NAME: P:\projects\19014001\CADD\CAD Sheets\19014-sht-xsht.dgn

Globetrotters® Engineering Corporation

USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
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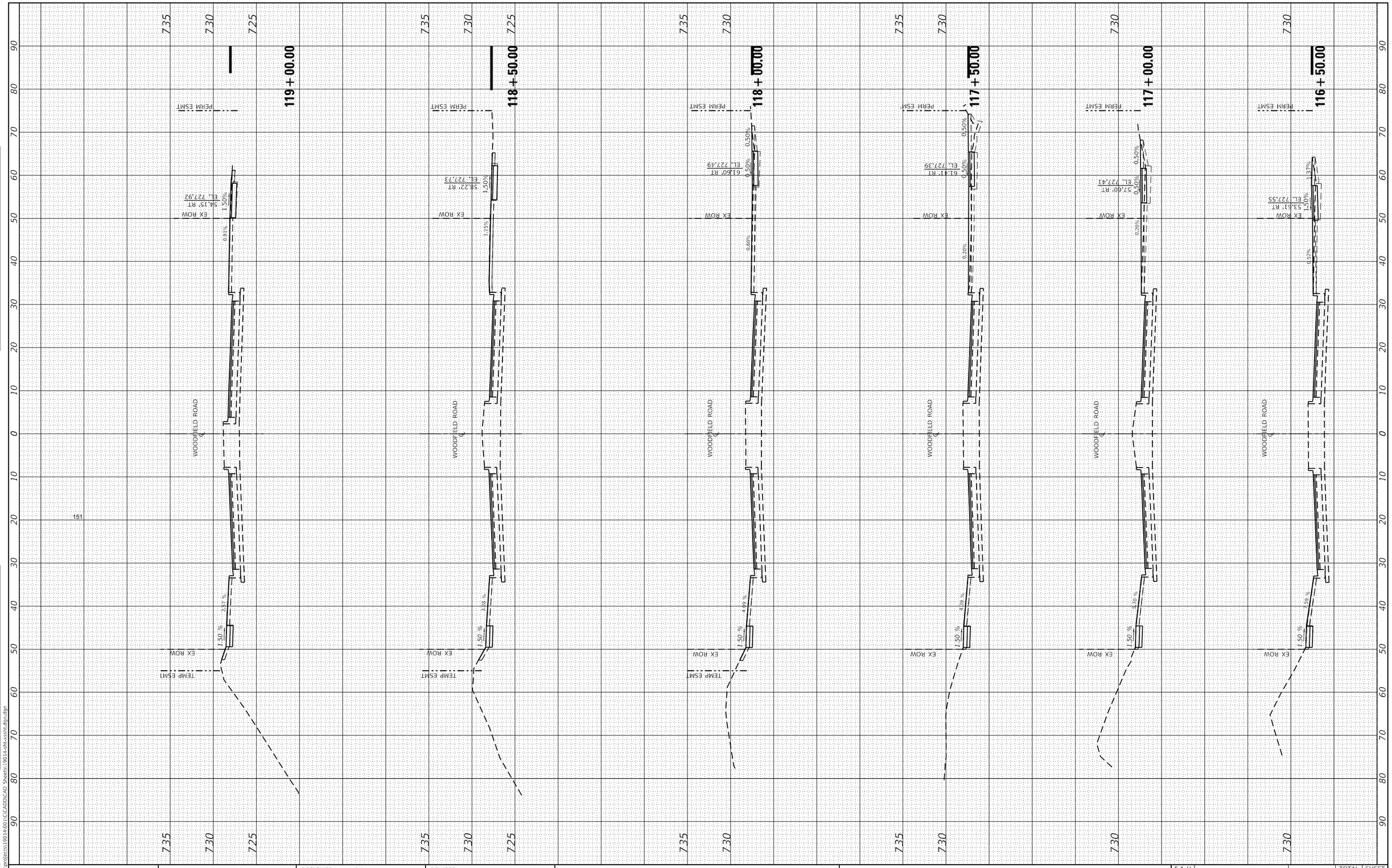
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 6 OF 14 | STA. 113+50.00 TO STA. 116+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	156
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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Globetrotters® Engineering Corporation

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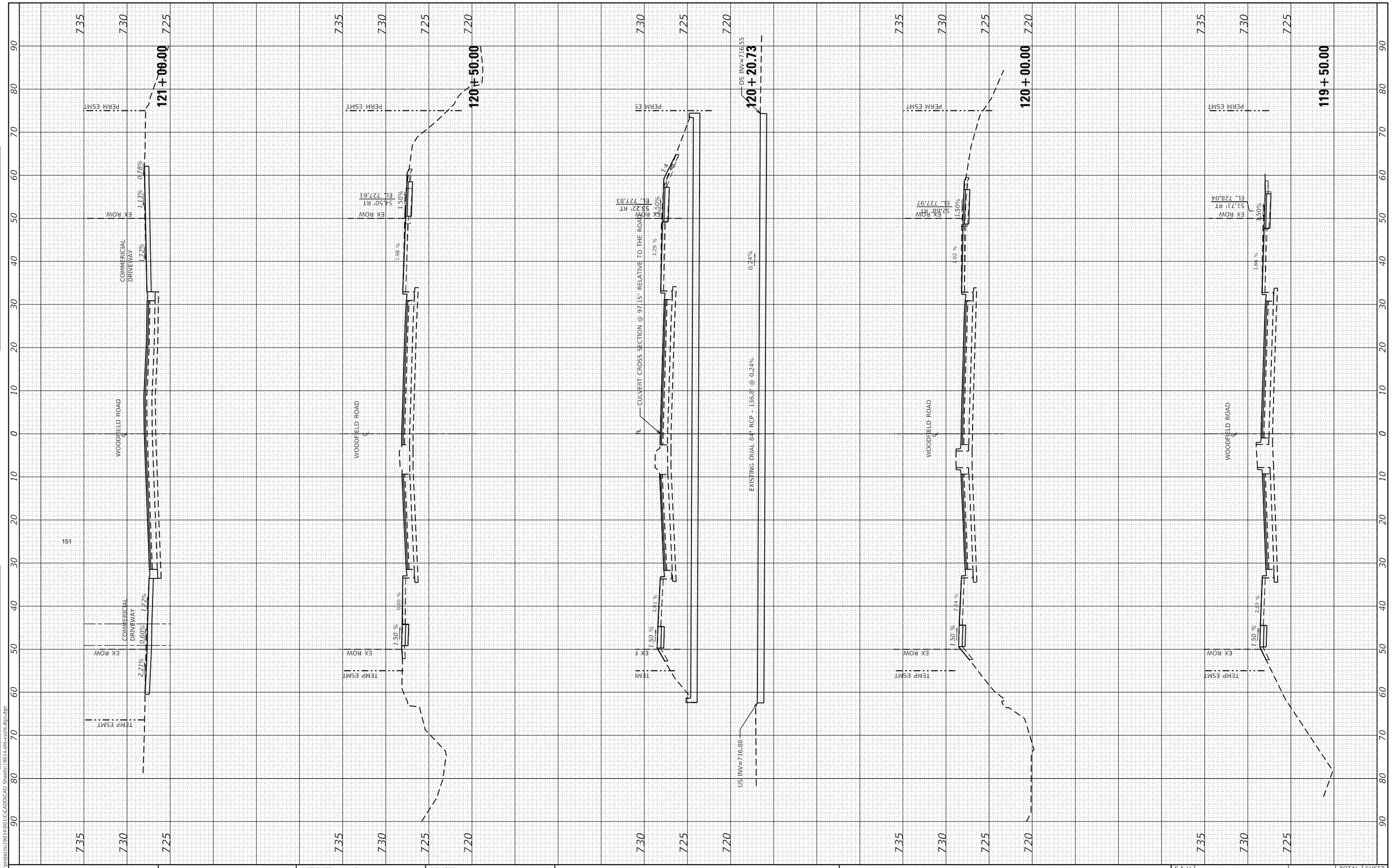
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 7 OF 14 | STA. 116+50.00 TO STA. 119+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	157
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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Globetrotters® Engineering Corporation

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PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 8 OF 14 | STA. 119+50.00 TO STA. 121+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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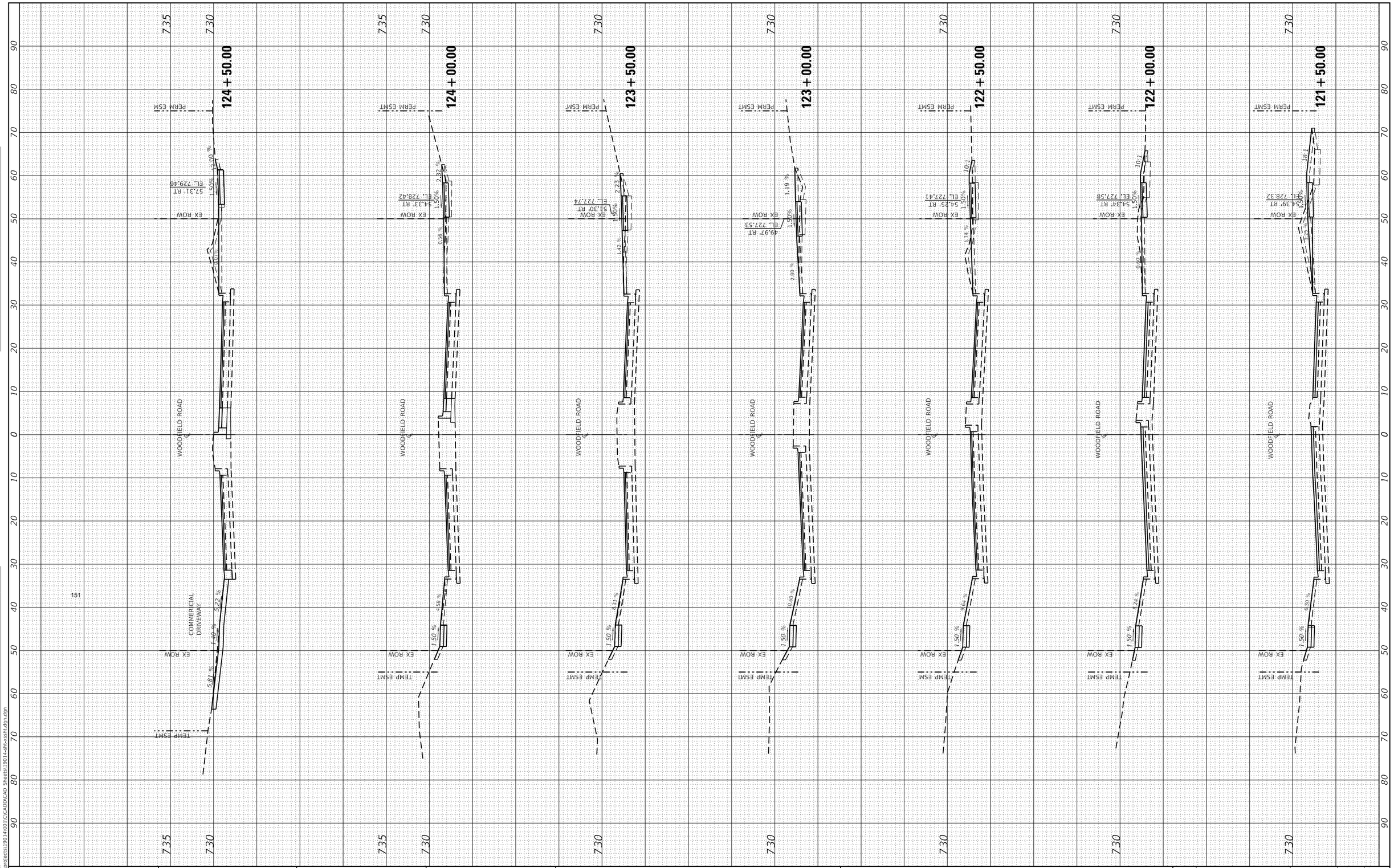
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: Default
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Globetrotters® Engineering Corporation

USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

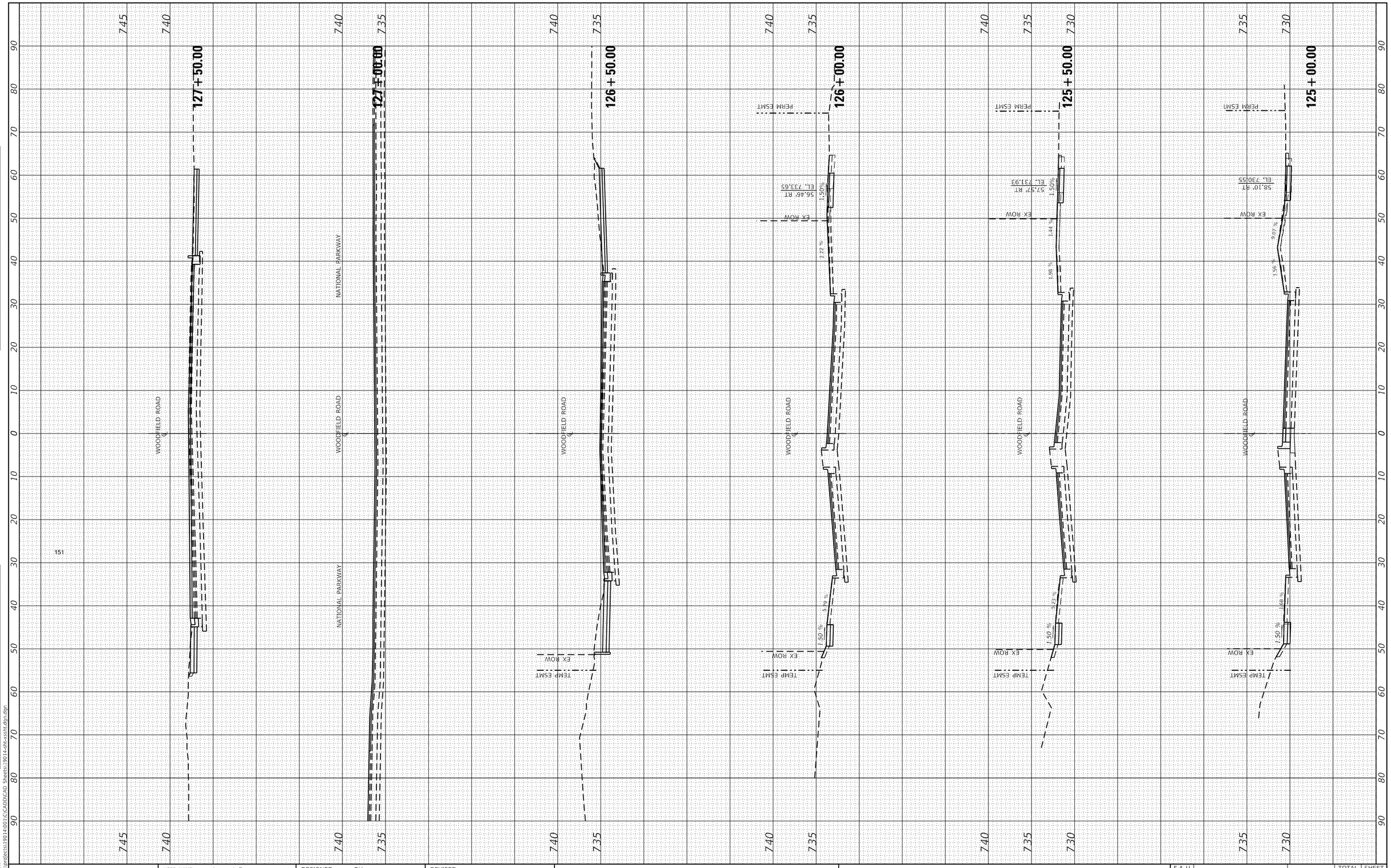
WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 9 OF 14 | STA. 121+50.00 TO STA. 124+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	159

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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Globetrotters® Engineering Corporation

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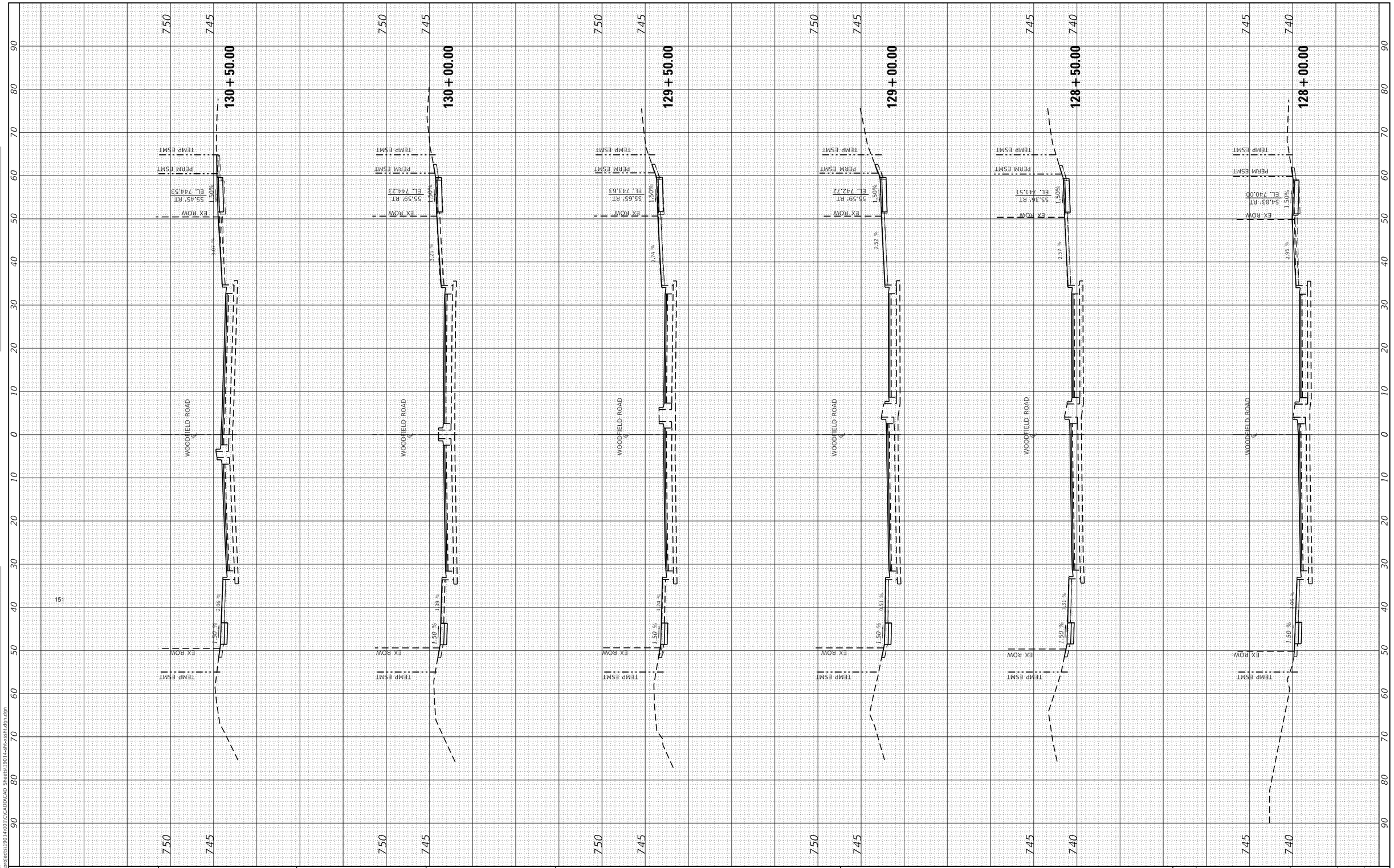
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 10 OF 14 | STA. 125+00.00 TO STA. 127+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	160
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

MODEL: Default
FILE NAME: P:\projects\19014\001\CiCADD\CAD Sheets\19014-sht-xsstt.dgn,dgn

Globetrotters® Engineering Corporation

USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

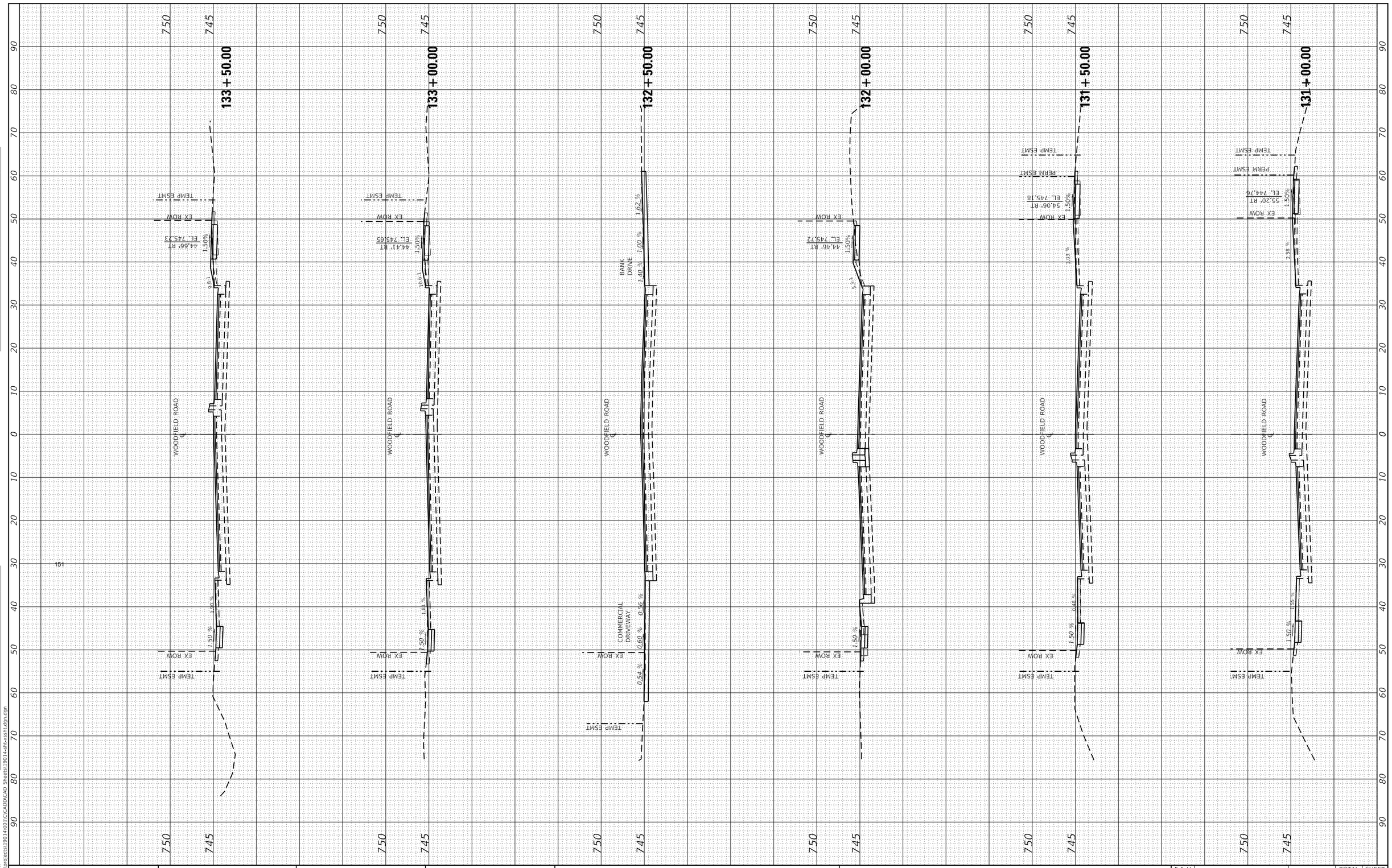
WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 11 OF 14 | STA. 128+00.00 TO STA. 130+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	161

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

MODEL: Default
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Globetrotters® Engineering Corporation

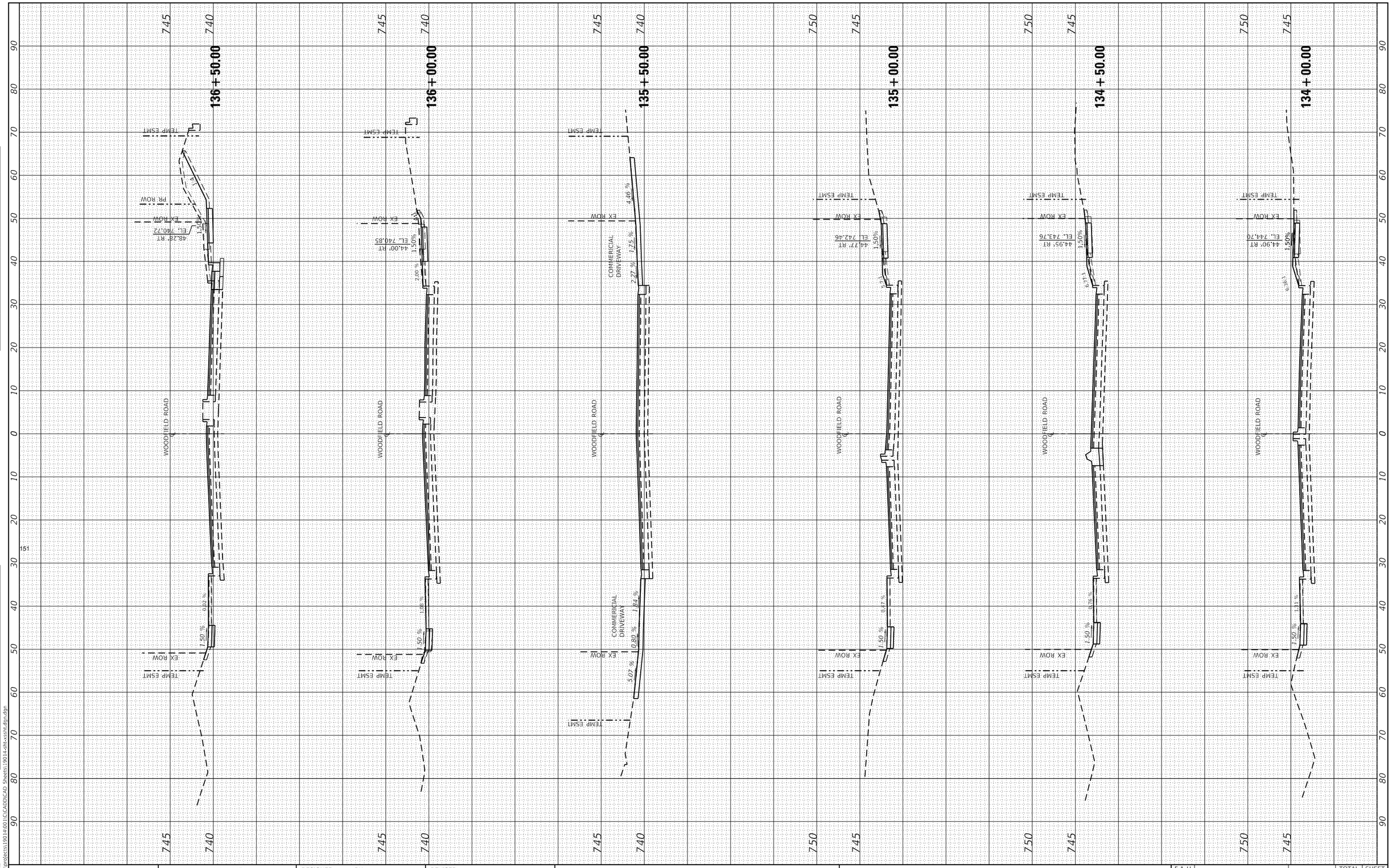
USER NAME = mohammed.ali	DESIGNED - BH	REVISED -	
	DRAWN - CW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TDM	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 12 OF 14 | STA. 131+00.00 TO STA. 133+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	162
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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FILE NAME: P:\projects\190141001\CADD\CAD Sheets\190141-sht-xsht.dgn

Globetrotters® Engineering Corporation

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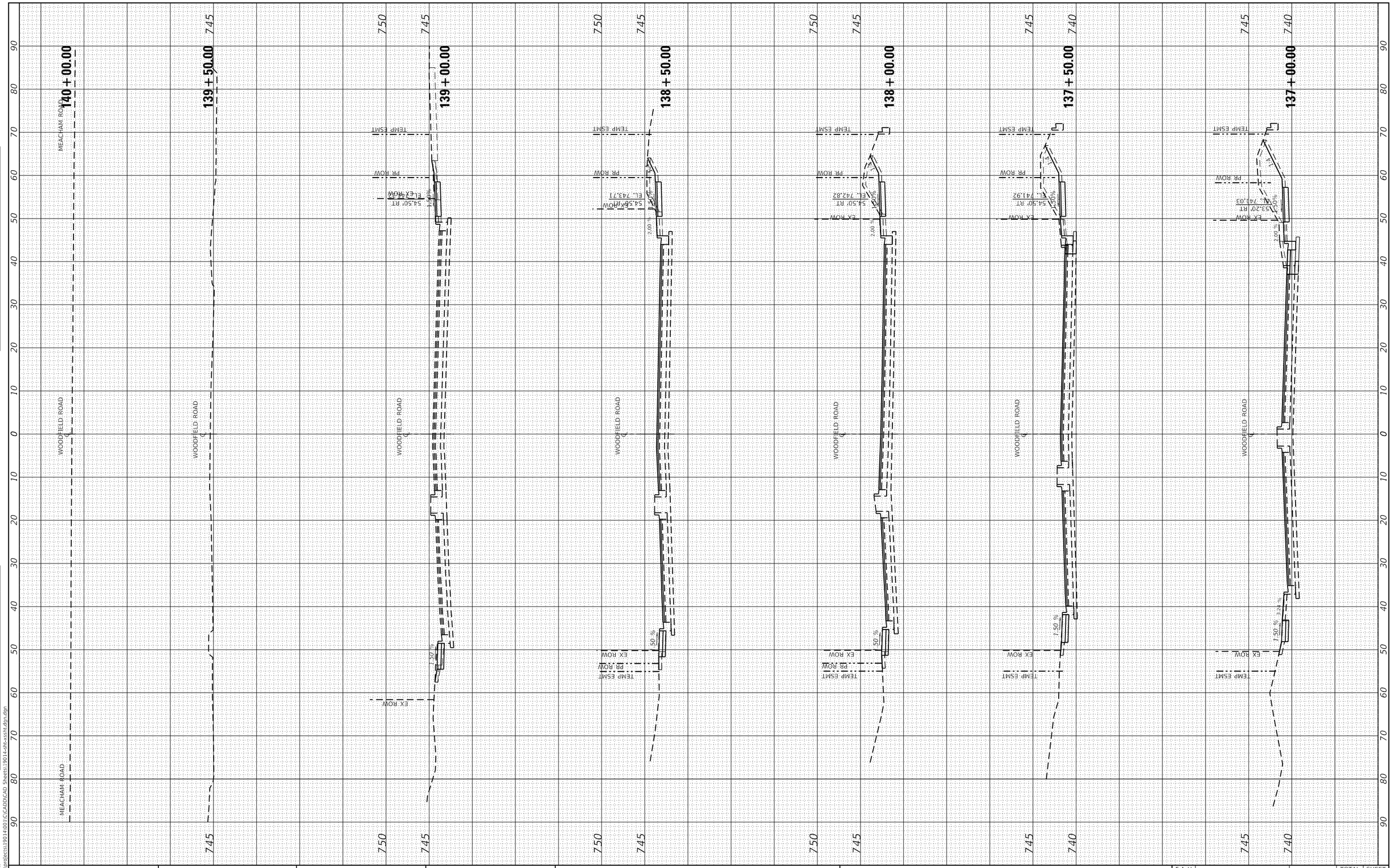
PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 13 OF 14 | STA. 134+00.00 TO STA. 136+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	163
		CONTRACT NO. 61L43		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

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Globetrotters® Engineering Corporation

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PLOT DATE = 9/2/2025	DATE - 01/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

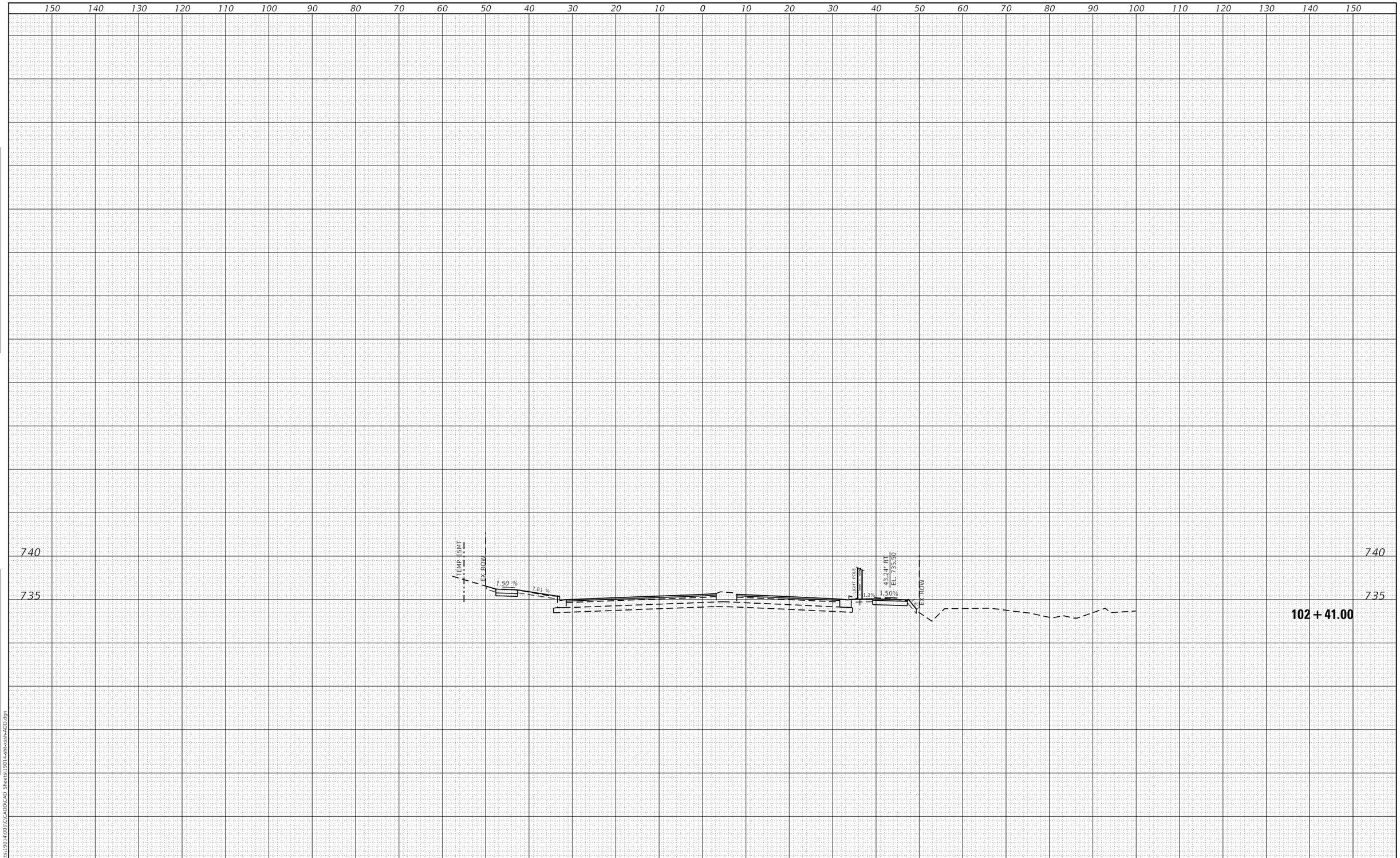
WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET 14 OF 14 | STA. 137+00.00 TO STA. 140+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	164

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: Default
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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2025	DATE -	REVISED -

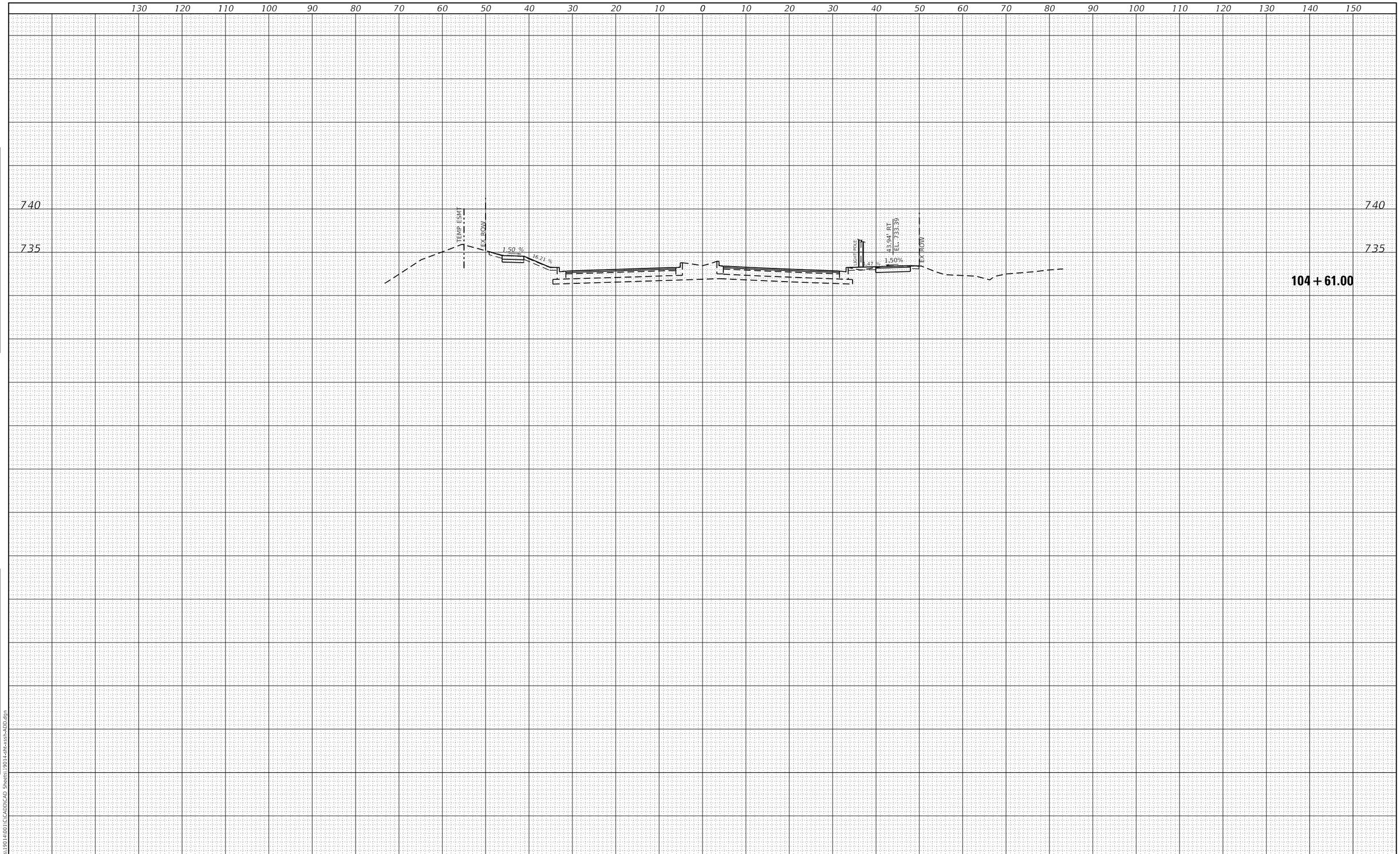
VILLAGE OF SCHAUMBURG

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET OF SHEETS | STA. 102+41.00 TO STA. 102+41.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	165
		CONTRACT NO. 61L43		

ILLINOIS | FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: Default
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USER NAME = mohammed.ali	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 20.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 9/2/2025	DATE - _____	REVISED - _____	

VILLAGE OF SCHAUMBURG

WOODFIELD ROAD
CROSS SECTIONS

SCALE: H: 1" = 10' V: 1" = 5' | SHEET __ OF __ SHEETS | STA. 104+61.00 TO STA. 104+61.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	20-00134-00-RS	COOK	166	166

CONTRACT NO. 61L43

ILLINOIS | FED. AID PROJECT