STATE OF ILLINOIS 01-16-2026 LETTING ITEM 188 DEPARTMENT OF TRANSPORTATION

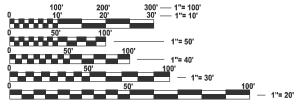
FAP RTE. SECTION COUNTY TOTAL SHEETS NO. SHEET NO. 840 (139)TS-1 KANKAKEE 22 1 ILLINOIS CONTRACT NO. 66R42

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 5 SUMMARY OF QUANTITIES
- 7 SCHEDULES
- 8 10 TRAFFIC SIGNAL REMOVAL PLAN
- 11 12 EXISTING TRAFFIC PLANS
- 13 14 PROPOSED TRAFFIC SIGNAL PLAN
- 15 16 CABLE PLAN AND PHASE DESIGNATION DIAGRAMS
- 17 18 MAST ARM DETAILS
- 19 22 SOIL BORING LOGS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-09	ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901- 11	TRAFFIC CONTROL DEVICES
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
782001-01	CURB REFLECTORS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

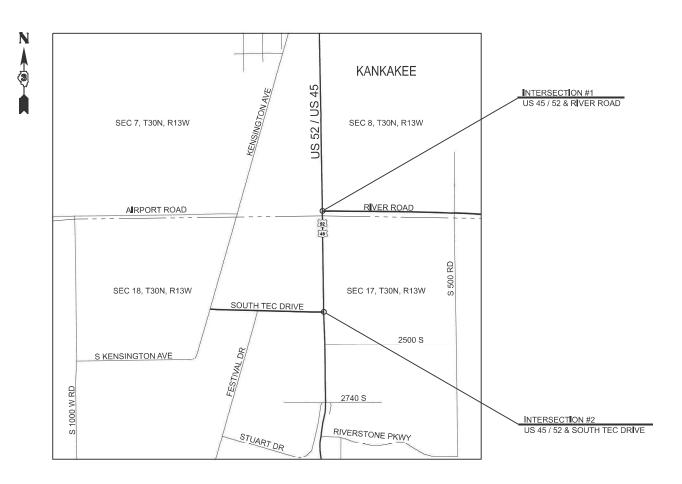
PROJECT ENGINEER: JOSEPH KANNEL, PE PROJECT MANAGER: KYLIE LAUTERBACH, PE

PROPOSED HIGHWAY PLANS

FAP ROUTE 840 (US 45, US 52) SECTION (139)TS-1

TRAFFIC SIGNAL MAST ARM REPLACEMENT KANKAKEE COUNTY

C-93-090-25



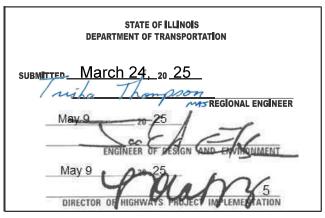
GROSS & NET LENGTH = POINT LOCATION

CARROLL OGIE CARROLL OGIE CARROLL OGIE CARROLL OGIE CONCRELAND MENRY MENRY MENROR MENRY MARGALL GRUNDY MARGALL GRUNDY MARGALL GRUNDY MARGALL GRUNDY MARGALL GRUNDY MARGALL GRUNDY MARGALL MA

D=93=063=25

FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2023 ADT = 10800
P.V. = 92.1% S.U. = 3.5% M.U. = 4.4%

LOCATION OF SECTION INDICATED THUS: -



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 66R42

 \bigcirc

GENERAL NOTES

- 1. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
- 2. THE CONTRACTORS ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8505/815-434-8506) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
- 3. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
- 4. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
- 5. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
- 6. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
- 7. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL PUSHED CONDUIT MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
- 8. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- 9. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- 10. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- 11. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

- 12. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
- 13. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND STEEL OR ALUMINUM BRACKETS.
- 14. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
- 15. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
- 16, THE MAST ARM FOUNDATIONS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF CURB OR A MINIMUM 10' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN CENTER OF LANE.
- 17. ANY EXCAVATED MATERIAL, WHICH INCLUDES DIGGIG OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
- 18. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN LOCATED AT THE TIME OF SURVEY. OR BASED ON AVAILABLE EXISTING INFORMATION. NO GUARANTEE IS IMPLIED THAT ALL UTILITIES HAVE BEEN LOCATED OR DEPICTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL UTILITIES. IT MAY BE NECESSARY TO HAND DIG TEST HOLES TO EXPOSE EXISTING UTILITIES AT SOME LOCATIONS.
- 19. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

AQUA ILLINOIS ATT DISTRIBUTION COMCAST COMED KANKAKEE MUNICIPAL UTILITY METRO COMM NICOR

COMMITMENTS

NONE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE AS BUILT INFORMATION

SUPERVISING	CONSTRUCTION	FIELD	ENGINEER	

RESIDENT ENGINEER / TECHNICIAN

22

START & END DATES OF CONSTRUCTION:

INSPECTORS:

JSER NAME = kylie.lauterbach DESIGNED -REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = 3/19/2025 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION COUNTY 840 (139)TS-1 KANKAKEE CONTRACT NO. 66R42 SCALE: SHEET SHEETS STA. TO STA. OF

	1	Ţ.	ľ	100% STATE US 45/52 & RIVER RD	100% STATE US 45/52 & S. TEC DR
CODE			TOTAL	0021	0021
NO.	ITEM	UNIT	QUANTITY	URBAN	URBAN
20200200	ROCK EXCAVATION	CU YD	6		6
44003100	MEDIAN REMOVAL	SQFT	547	256	291
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	547	256	291
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5
70102020	NOTITIE GOMENIE THE LEGISTIC PROPERTY.	2 55	·	5.5	0.0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5	0.5
72000100	SIGN PANEL - TYPE 1	SQ FT	30	22.5	7.5
72000200	SIGN PANEL - TYPE 2	SQFT	43	11	32
78200020	CURB REFLECTORS	EACH	42	21	21
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	163	85	78
01020300	UNDERGROUND CONDUIT, I VO, 2 1/2 DIA.	1001	100	0.5	70
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	675	353	322
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5	3	2
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1	1
		2.3.1	_	·	·
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3696	1619	2077

*SPECIALITY ITEM

 USER NAME
 = Joseph.Zagar
 DESIGNED _
 REVISED _

 DRAWN _
 REVISED _

 CHECKED _
 REVISED _

 PLOT DATE = 3/13/2025
 DATE _
 REVISED _

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0021	100% STATE US 45/52 & S. TEC DR 0021 URBAN
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	951	714	237
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	97	53	44
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	815	426	389
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6	3	3
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2	11	1
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1	
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	1	
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1
87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	18	9	9
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	59	37	22
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	12		12
87900200	DRILL EXISTING HANDHOLE	EACH	10	6	4
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	2	3

*SPECIALITY ITEM

 USER NAME
 = Joseph.Zagar
 DESIGNED - REVISED - REV

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

CONSTRUCTION CODE

			î	100% STATE	100% STATE
		Î	·		US 45/52 & S. TEC DR
CODE			TOTAL	0021	0021
NO.	ITEM	UNIT	QUANTITY	URBAN	URBAN
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	13	6	7
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3	2	1
88040160	CIONAL LIFAD. POLYCAPPONATE LED 4 FACE & OFCITON MACT ADM MOUNTED	EACH	3	2	
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3	2	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2	1	1
			, v		
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7583	4386	3197
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	1	1
					1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	12	6	6
X0323898	CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	2	1	1
X8809005	LED SIGNAL FACE, LENS COVER	EACH	84	44	40
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	24	12	12
X8891202	WIDE AREA VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	2	1	1
70091202	AND AND VIDEO VEHICLE DETECTION 3131EM COMPLETE	I EACH		l l	ı

*SPECIALITY ITEM

MODEL: Default FILE NAME: c.low worklowidottlauterbachl

T (USER NAME = Joseph.Zagar	DESIGNED _	REVISED _	
		DRAWN _	REVISED _	
		CHECKED -	REVISED -	
Î	PLOT DATE = 3/13/2025	DATE -	REVISED _	
			110	_

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(139)TS-1	KANKAKEE	22	5
		CONTRAC	T NO. 66	R42
	ILLINOIS FED. AID PROJECT			
	RTE.	RTE. SECTION 840 (139)TS-1	RTE. SECTION COUNTY	RTE. SECTION COUNTY SHEETS 840 (139)TS-1 KANKAKEE 22 CONTRACT NO. 661

CONSTRUCTION CODE

MAST ARM FOUNDATIONS							
LOCATION		MAST ARM LENGTH	CONC. FOUND. TYPE E 36 INCH DIAMETER	CONC. FOUND. TYPE E 42 INCH DIAMETER	ROCK EXCAVATION		
STA	OFFSET	FOOT	FOOT	FOOT	CU YD		
		RIVER	ROAD				
75+42	56' LEFT	48	13				
75+98	42' RIGHT	36	11				
76+73	42' RIGHT	42	13				
	SUB TOTAL		37				
		S TEC	DRIVE				
97+27	48' LEFT	36	10		1.3		
96+42	48' LEFT	50	12		1.8		
97+62	65' RIGHT	58		12	2.5		
	SUB TOTAL		22	12	5.6		
	TOTAL		59	12	5.6		

CONCRETE ISLAND SCHEDULE					
LOCATION	DESCRIPTION	MEDIAN REMOVAL	CONC. MEDIAN SURFACE 4"	CURB REFLECTORS	
		SQFT	SQFT	EACH	
DIVER DOAD	NORTH ISLAND	153	153	11	
RIVER ROAD -	SOUTH ISLAND	103	103	10	
RI	VER ROAD SUBTOTAL	256	256	21	
SOUTH TEC DRIVE	NORTH ISLAND	94	94	10	
SOUTH TEC DRIVE	SOUTH ISLAND	197	197	11	
SOUTH TEC DRIVE SUBTOTAL		291	291	21	
	TOTAL	547	547	42	

PERMANENT SURVEY MARKER SCHEDULE						
MONUMENT DESCRIPTION APPROXIMATE LOCATION MONUMENT RECORD TO BE RESPONSIBIL					RESPONSIBILITY	
NUMBER			TYPE	TYPE	RECORDED	
045402	NW CORNER SECTION 17, T30N, R13W, 2ND PM	RIVER ROAD INTERSECTION	SURVEY NAIL	NO CHANGE	YES	2

SECTION CORNER TIES WILL BE DESTROYED BY TRAFFIC SIGNAL MAST ARM REPLACEMENT.

PLATS AND PLANS TO ESTABLISH NEW SECTION CORNER TIES AND FILE NEW MONUMENT RECORD FOLLOWING INSTALLATION.

R.E. TO INFORM PLATS AND PLANS WHEN TRAFFIC SIGNAL MAST ARM REPLACEMENT IS COMPLETE.

RESPONSIBILITY:

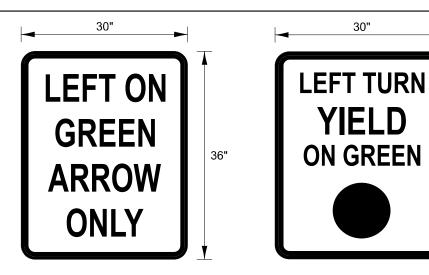
- 1) RESIDENT TO COORDINATE WITH PLATS AND PLANS STAFF TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED ACCORDING TO THE SPECIAL PROVISION "FURNISH PERMANENT SURVEY MARKER")
- 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

USER NAME = Joseph.Zagar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/27/2025	DATE -	REVISED -

STATE	OF	ILLINOIS	
DEPARTMENT (DF 1	RANSPO	RTATION

		SC	HEDULE	S		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						840	(139)TS-1	KANKAKEE	22	6
								CONTRACT	NO. 66F	R42
i:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

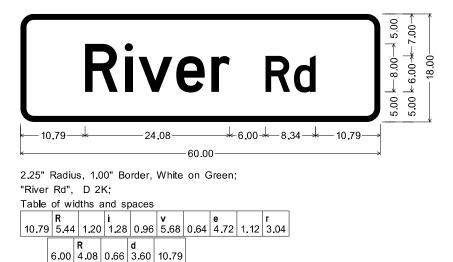
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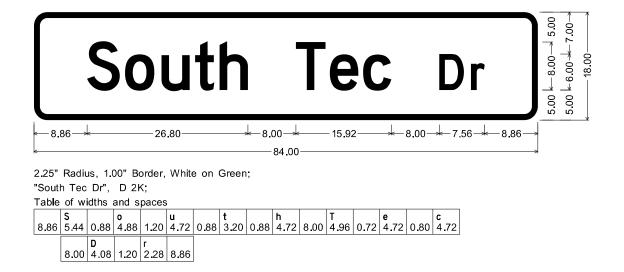


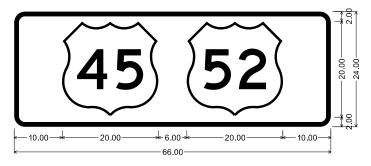
R10-5 ONE SIGN 7.5 SQ FT EACH TYPE AP SHEETING REQUIRED

LOCATED 6"- 12" TO THE RIGHT OF THE MAST ARM MOUNTED LEFT SIGNAL HEAD R10-12 ONE SIGN 7.5 SQ FT EACH TYPE AP SHEETING REQUIRED

LOCATED 6"- 12" TO THE RIGHT OF THE MAST ARM MOUNTED LEFT SIGNAL HEAD







2.25" Radius, 1.00" Border, White on Green; US Independent 45 M1-4; US Independent 52 M1-4;

	SIGN S	CHEDUL	.E		
LOCATION / TYPE	SIZE	QUANTITY	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	
	INCHES	EACH	SQ FT	SQ FT	
	RI	VER ROAD			
NORTHBOUND MAST ARM					
RIVER ROAD STREET NAME	18" x 60"	1	7.5		
SOUTHBOUND MAST ARM					
RIVER ROAD STREET NAME	18" x 60"	1	7.5		
LEFT TURN YEILD ON GREEN	30" x 36"	1	7.5		
WESTBOUND MAST ARM					
US 45-52 STREET NAME	24" x 66"	1		11	
SUB TOTAL		4	22.5	11	
	S	TEC DRIVE	•		
NORTHBOUND MAST ARM					
SOUTH TEC DRIVE STREET NAME	18" x 84"	1		10.5	
LEFT ON GREEN ARROW ONLY	30" x 36"	1	7.5		
SOUTHBOUND MAST ARM		-			
SOUTH TEC DRIVE STREET NAME	18" x 84"	1		10.5	
EASTBOUND MAST ARM					
US 45-52 STREET NAME	24" x 66"	1		11	
SUB TOTAL			7.5	20	
TOTAL		8	7.5	32 43	

 USER NAME
 = Joseph,Zagar
 DESIGNED
 REVISED

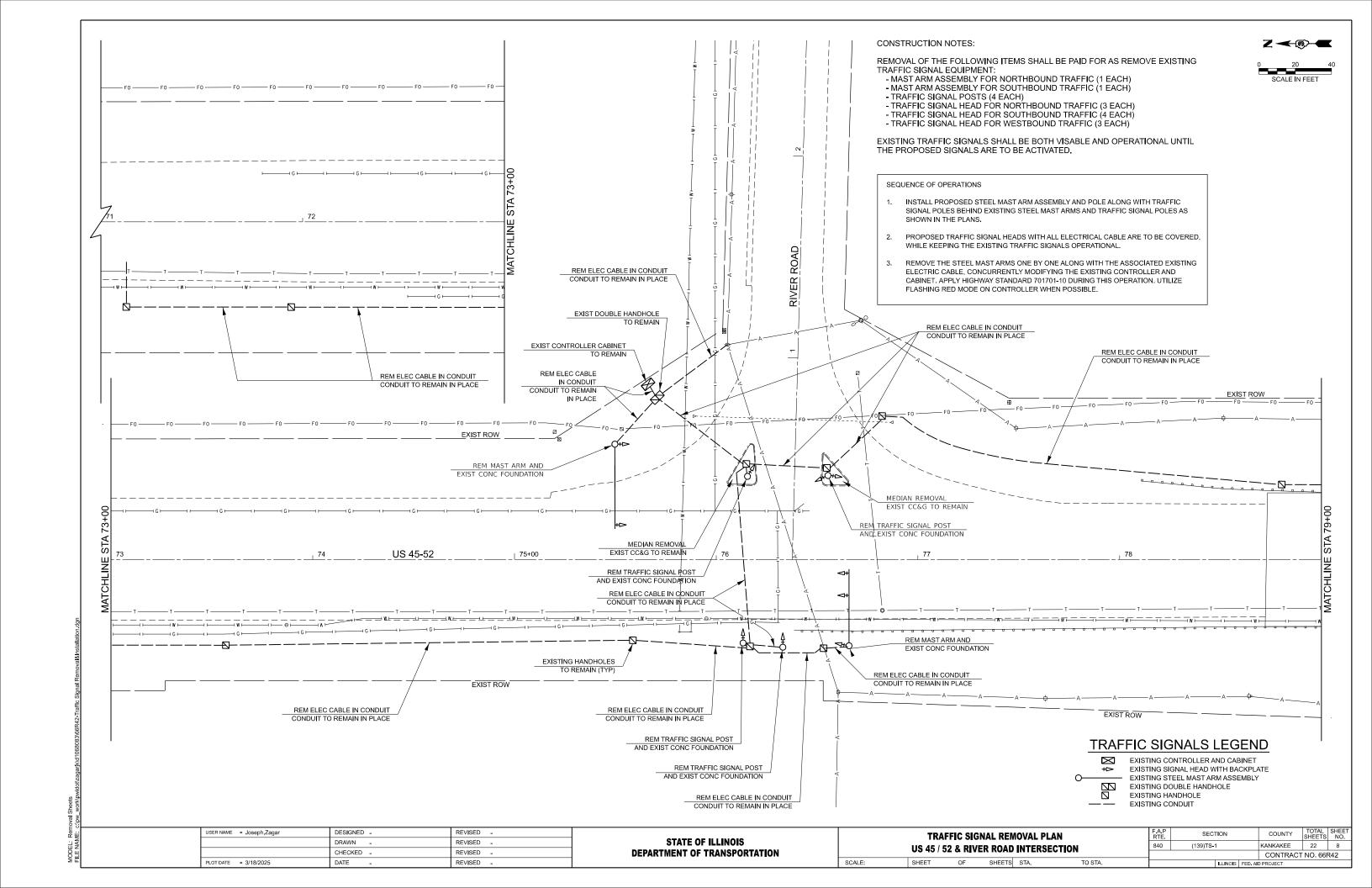
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 PLOT DATE
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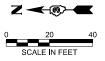
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DEPARTMENT OF TRANSPORTATION

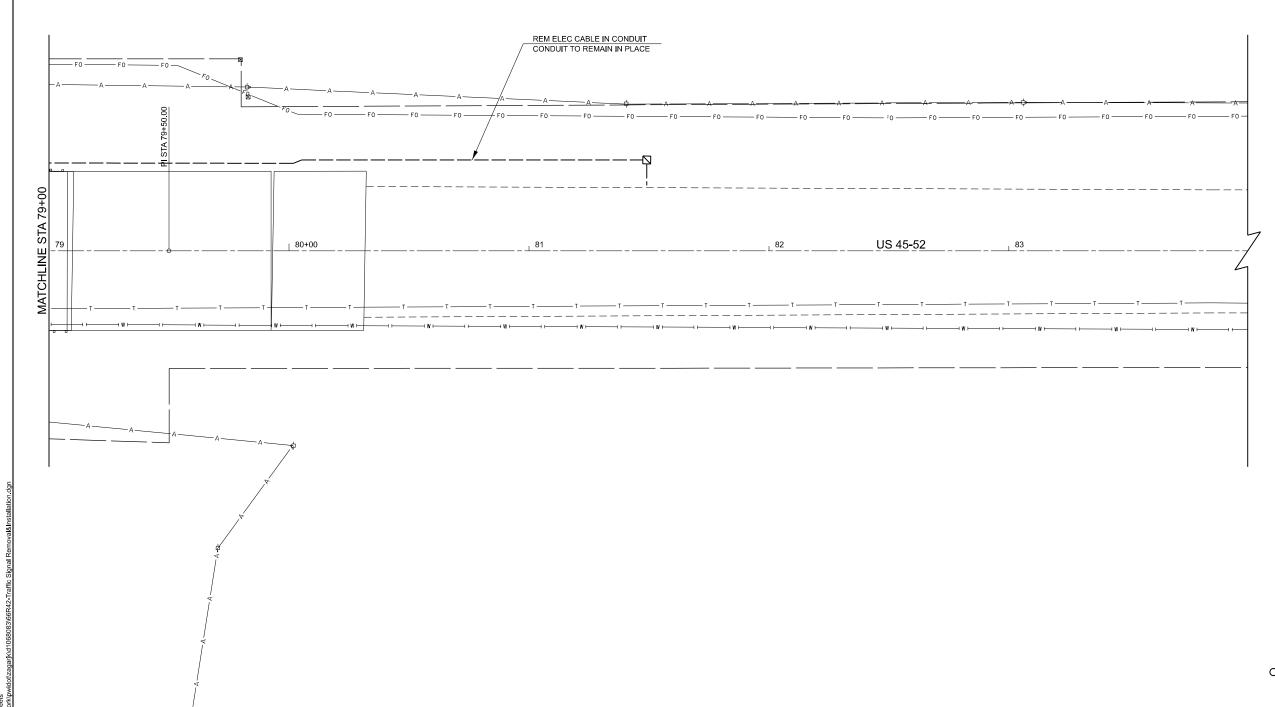
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SEQUENCE OF OPERATIONS

- INSTALL PROPOSED STEEL MAST ARM ASSEMBLY AND POLE ALONG WITH TRAFFIC SIGNAL POLES BEHIND EXISTING STEEL MAST ARMS AND TRAFFIC SIGNAL POLES AS SHOWN IN THE PLANS.
- 2. PROPOSED TRAFFIC SIGNAL HEADS WITH ALL ELECTRICAL CABLE ARE TO BE COVERED, WHILE KEEPING THE EXISTING TRAFFIC SIGNALS OPERATIONAL.
- REMOVE THE STEEL MAST ARMS ONE BY ONE ALONG WITH THE ASSOCIATED EXISTING ELECTRIC CABLE, CONCURRENTLY MODIFYING THE EXISTING CONTROLLER AND CABINET. APPLY HIGHWAY STANDARD 701701-10 DURING THIS OPERATION. UTILIZE FLASHING RED MODE ON CONTROLLER WHEN POSSIBLE.





TRAFFIC SIGNALS LEGEND

⊠ +>

EXISTING CONTROLLER AND CABINET
EXISTING SIGNAL HEAD WITH BACKPLATE
EXISTING STEEL MAST ARM ASSEMBLY
EXISTING DOUBLE HANDHOLE
EXISTING HANDHOLE
EXISTING CONDUIT

REVISED -	
REVISED -	STATE OF ILLINOIS
REVISED -	DEPARTMENT OF TRANSPORTATION
REVISED -	

USER NAME = Joseph.Zagar

PLOT DATE = 3/18/2025

DESIGNED -

DRAWN -

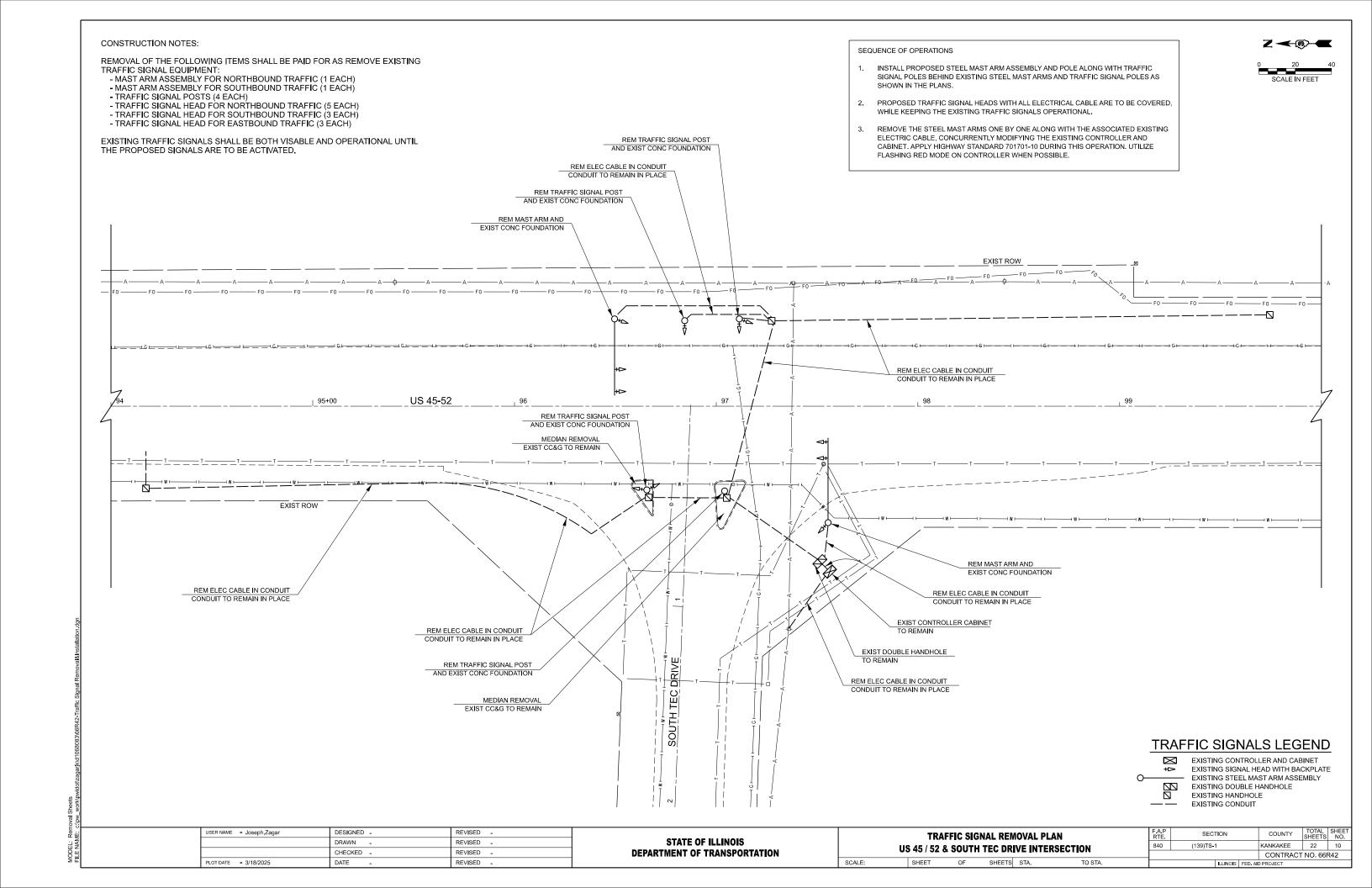
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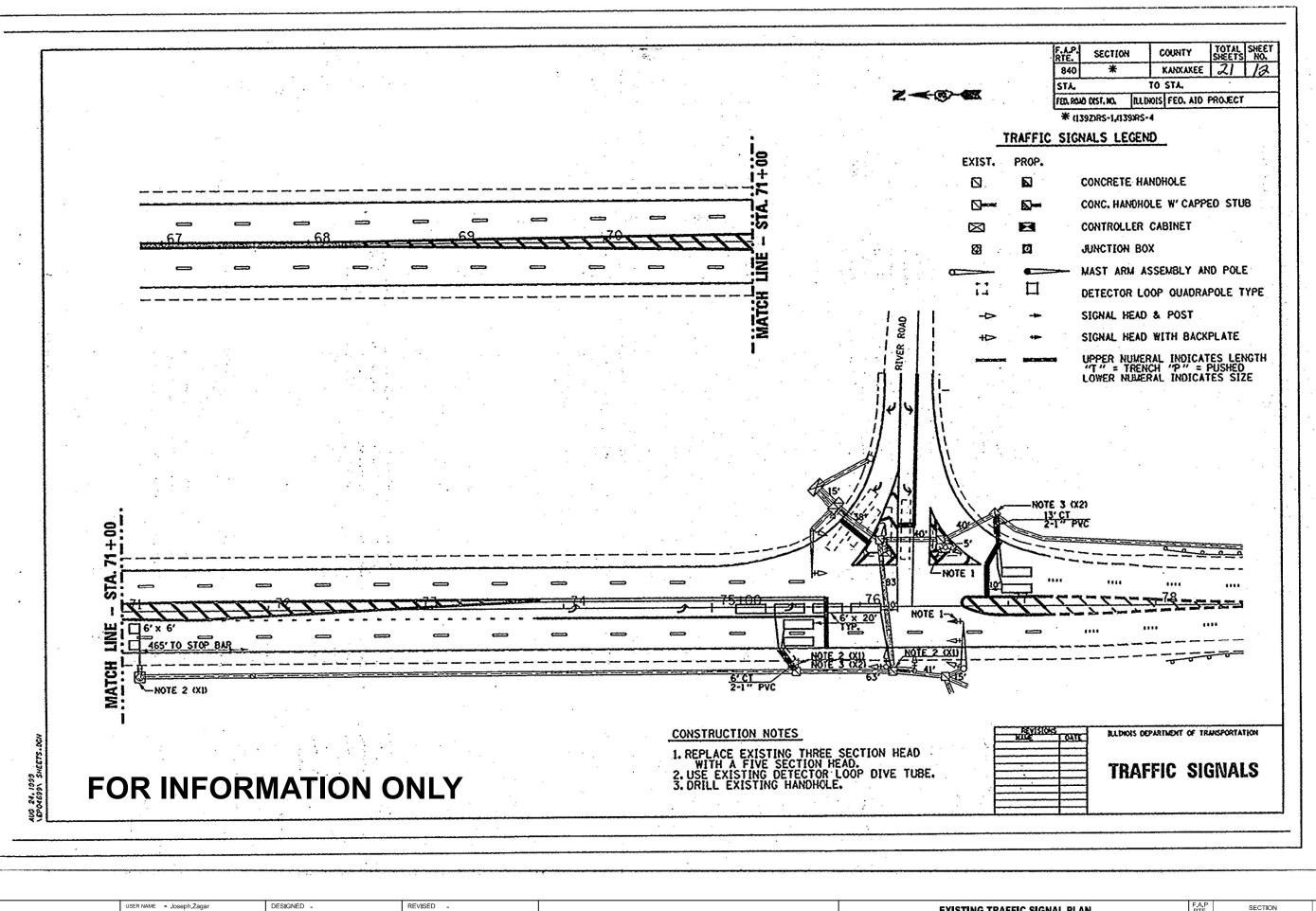
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TRA	AFFIC SIG US 45 / 5		IOVAL PLA R ROAD	λN
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SCALE:

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				CONTRACT	NO 66F	₹42
			EED 44	D DDO IFOT		

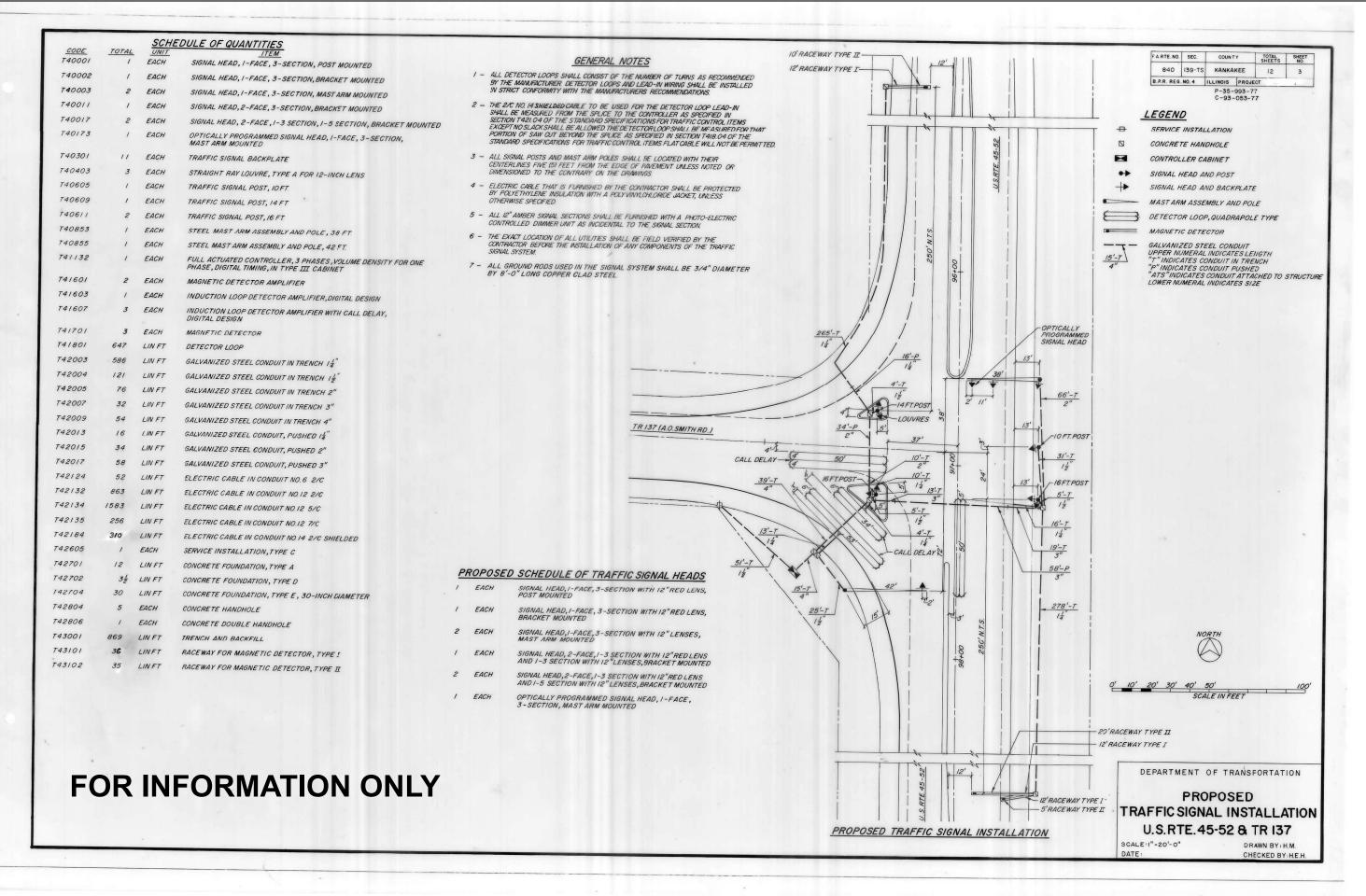




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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

EXISTING TRAFFIC SIGNAL PLAN US 45 / 52 & RIVER ROAD INTERSECTION KANKAKEE CONTRACT NO. 66R42



MODEL: Removal Sheets
FILE NAMF: c:\pw_work\pwidot\zagar

 USER NAME
 = Joseph.Zagar
 DESIGNED
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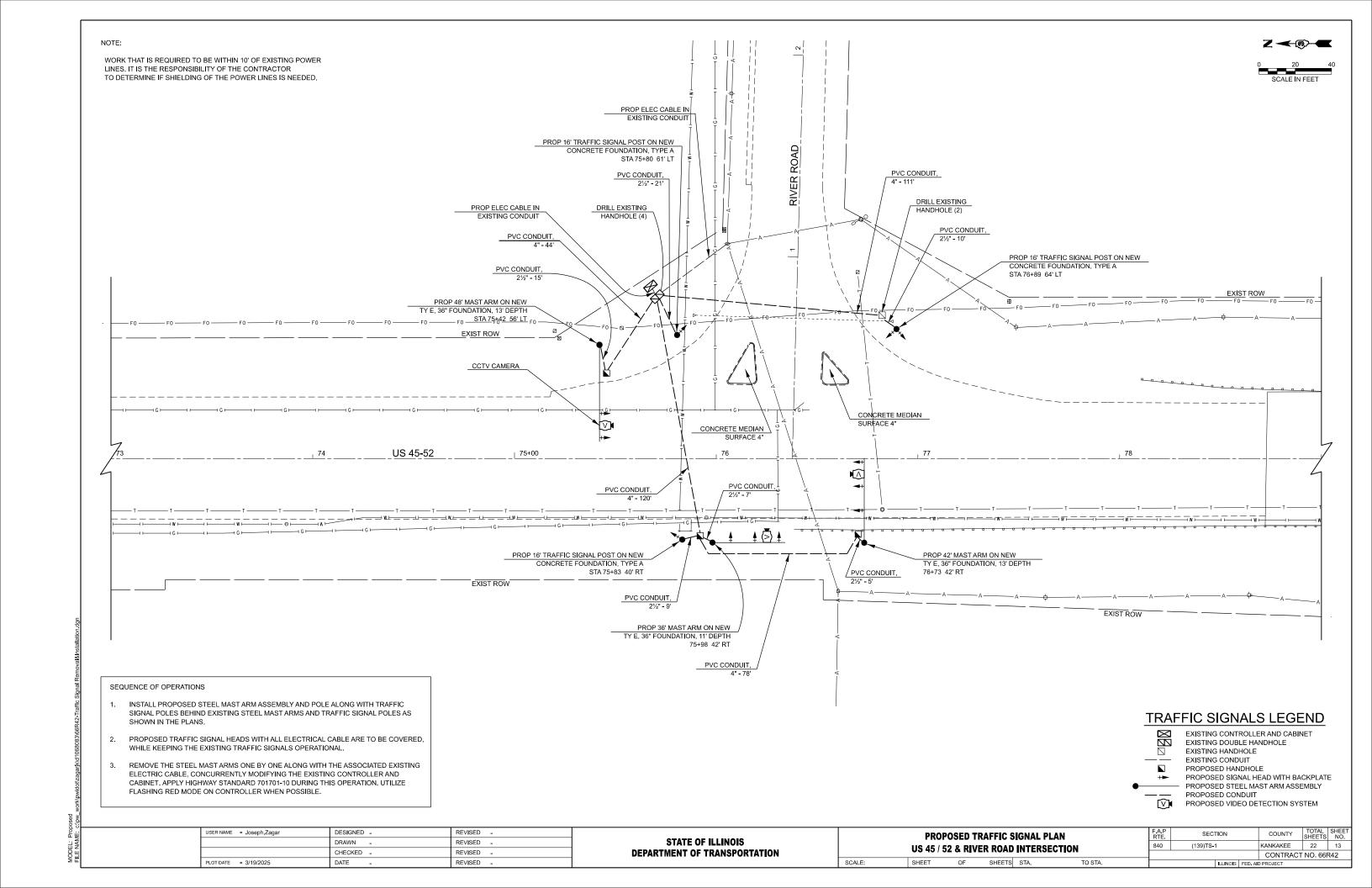
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 = 3/14/2025
 DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLAN
US 45 / 52 & SOUTH TEC DRIVE INTERSECTION

SHEET OF SHEETS STA TO STA

SCALE:

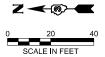


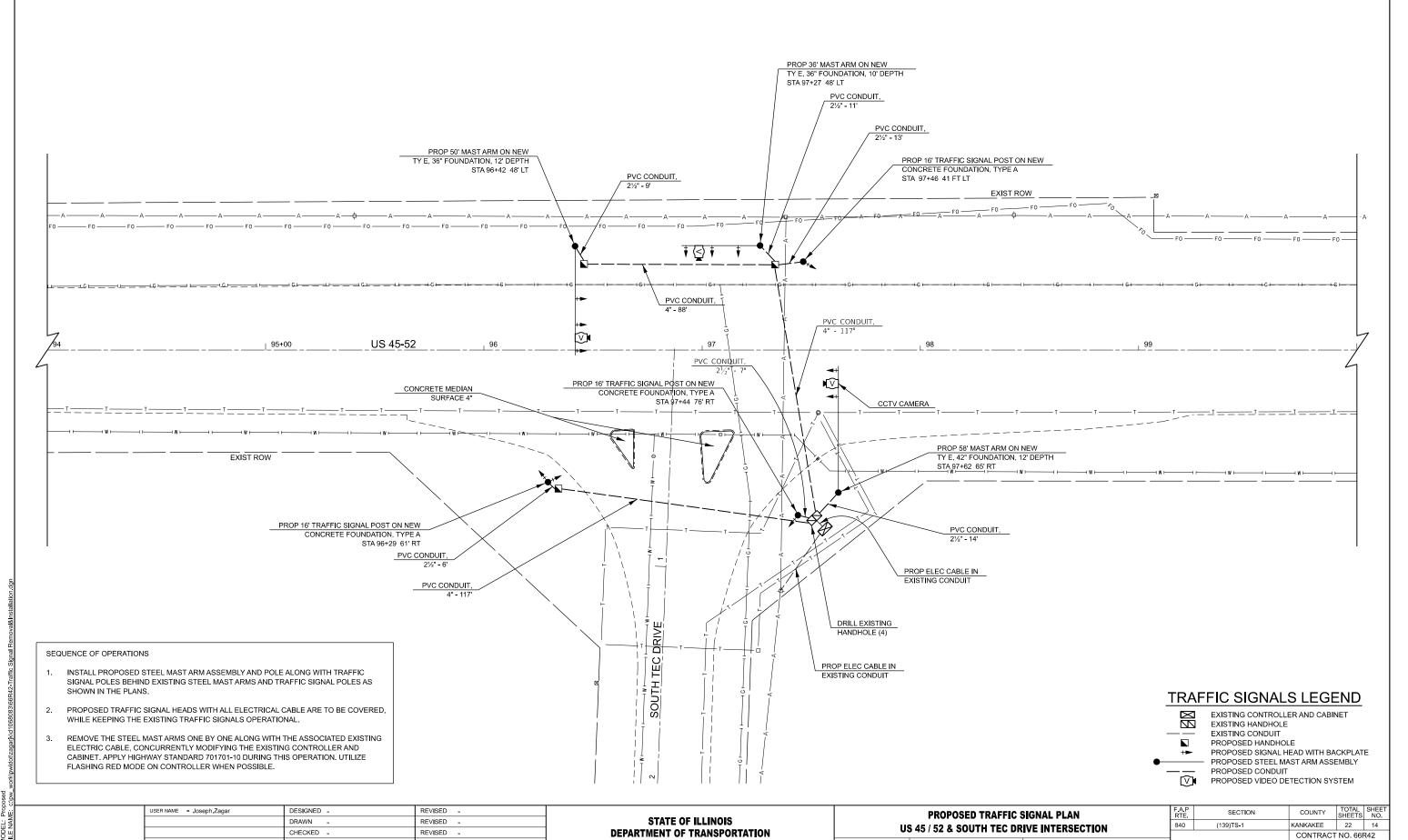
WORK THAT IS REQUIRED TO BE WITHIN 10' OF EXISTING POWER LINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF SHIELDING OF THE POWER LINES IS NEEDED.

PLOT DATE = 3/18/2025

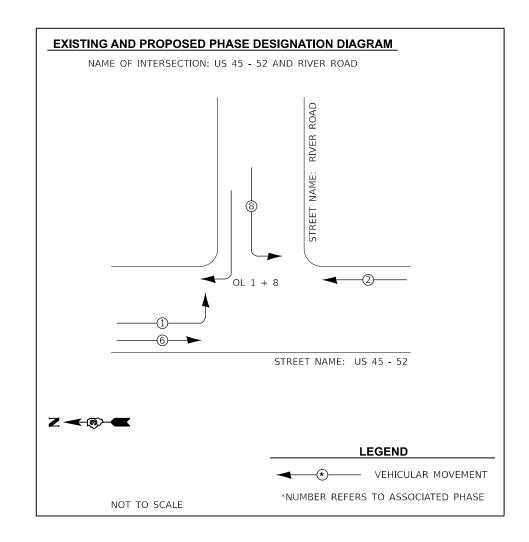
DATE

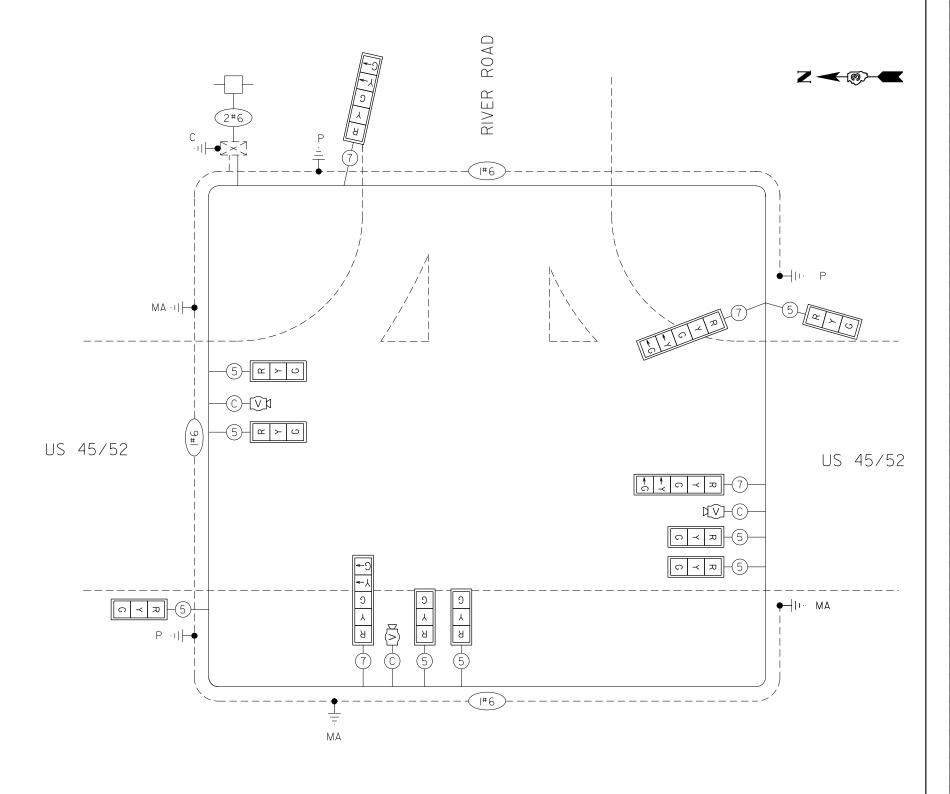
REVISED





OF SHEETS STA.





TRAFFIC SIGNALS LEGEND

- (*) DENOTES NUMBER OF PROPOSED CONDUCTORS
- © DENOTES PROPOSED VIDEO DETECTION CABLE

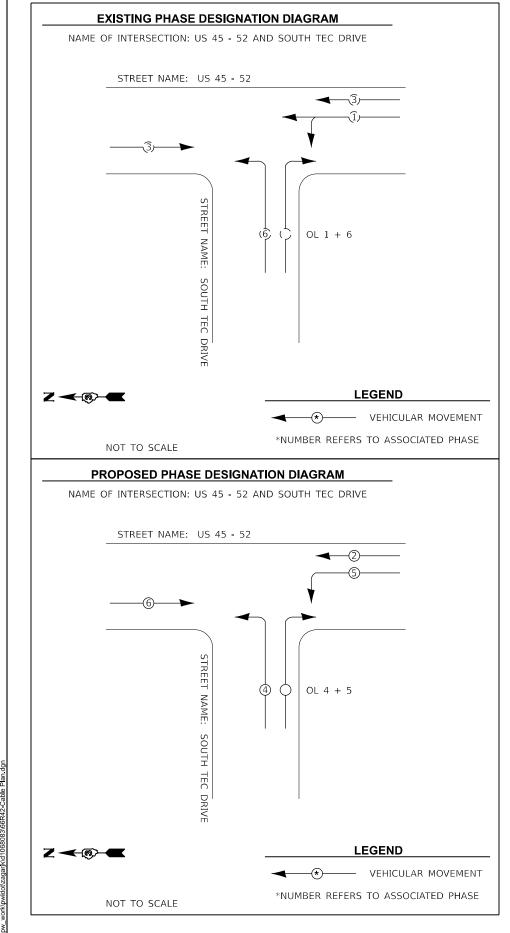
EXISTING CONTROLLER AND CABINET

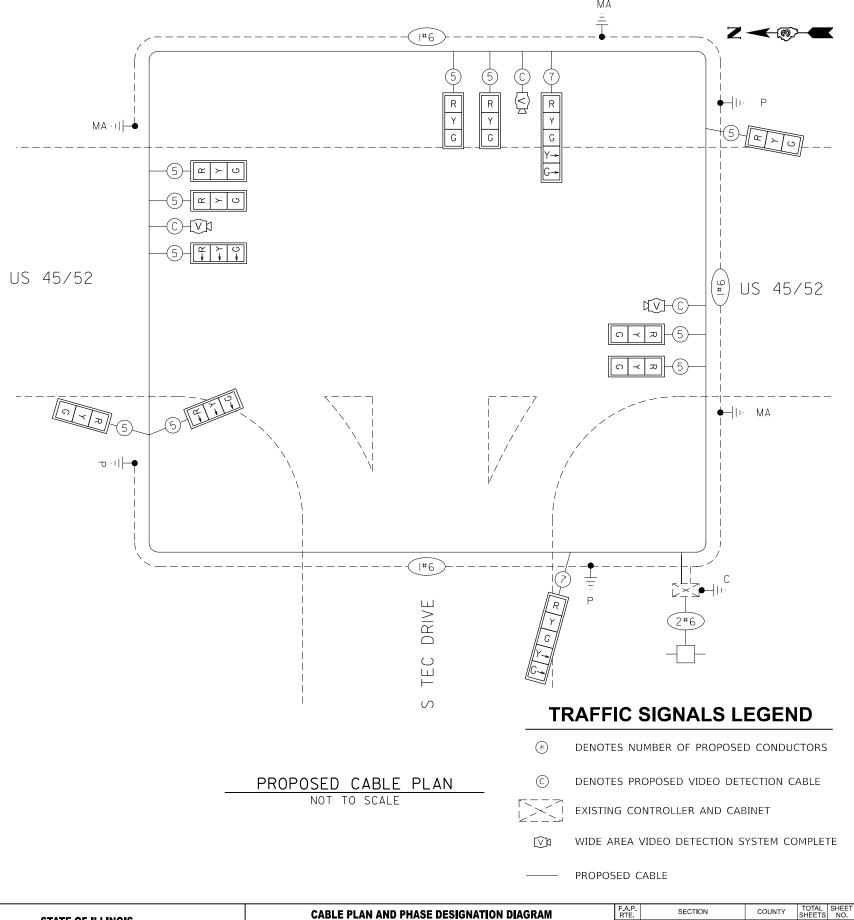
- WIDE AREA VIDEO DETECTION SYSTEM COMPLETE
- ---- PROPOSED CABLE

PROPOSED CABLE PLAN

NOT TO SCALE

USER NAME = Joseph.Zagar DESIGNED -REVISED -SECTION **CABLE PLAN AND PHASE DESIGNATION DIAGRAM** STATE OF ILLINOIS DRAWN -REVISED -(139)TS-1 KANKAKEE **DEPARTMENT OF TRANSPORTATION** CHECKED -REVISED -CONTRACT NO. 66R42 PLOT DATE = 3/5/2025 DATE SCALE: SHEET OF SHEETS STA.





MODEL: Default

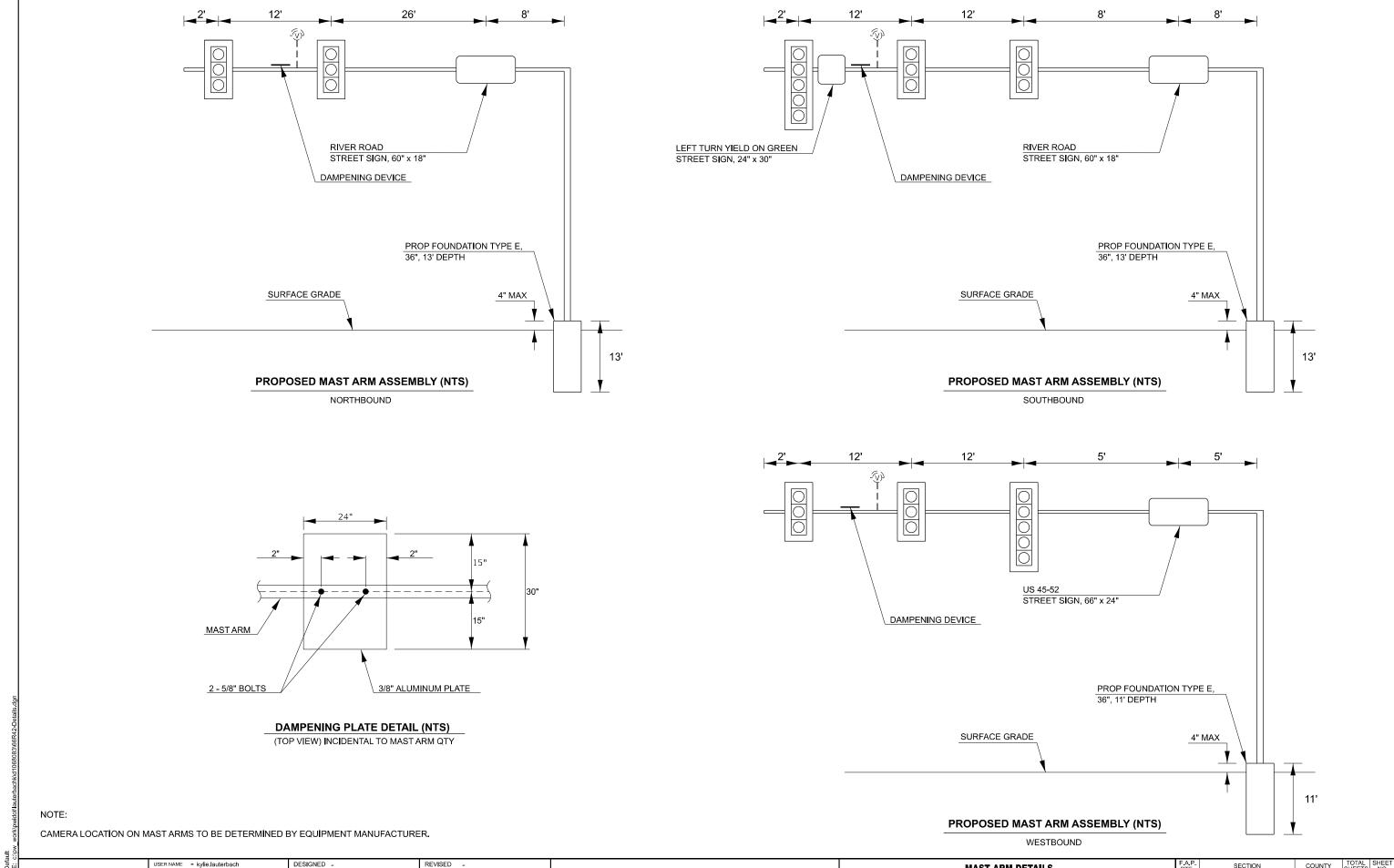
 USER NAME
 = Joseph.Zagar
 DESIGNED - REVISED - REV

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

CABLE PLAN AND PHASE DESIGNATION DIAGRAM

SHEET OF SHEETS STA. TO STA.



MODEL: Default

| DRAWN - REVISED - | CHECKED - REVISED - | PLOT DATE = 6/24/2025 | DATE - REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM DETAILS
US 45 / 52 & RIVER ROAD INTERSECTION

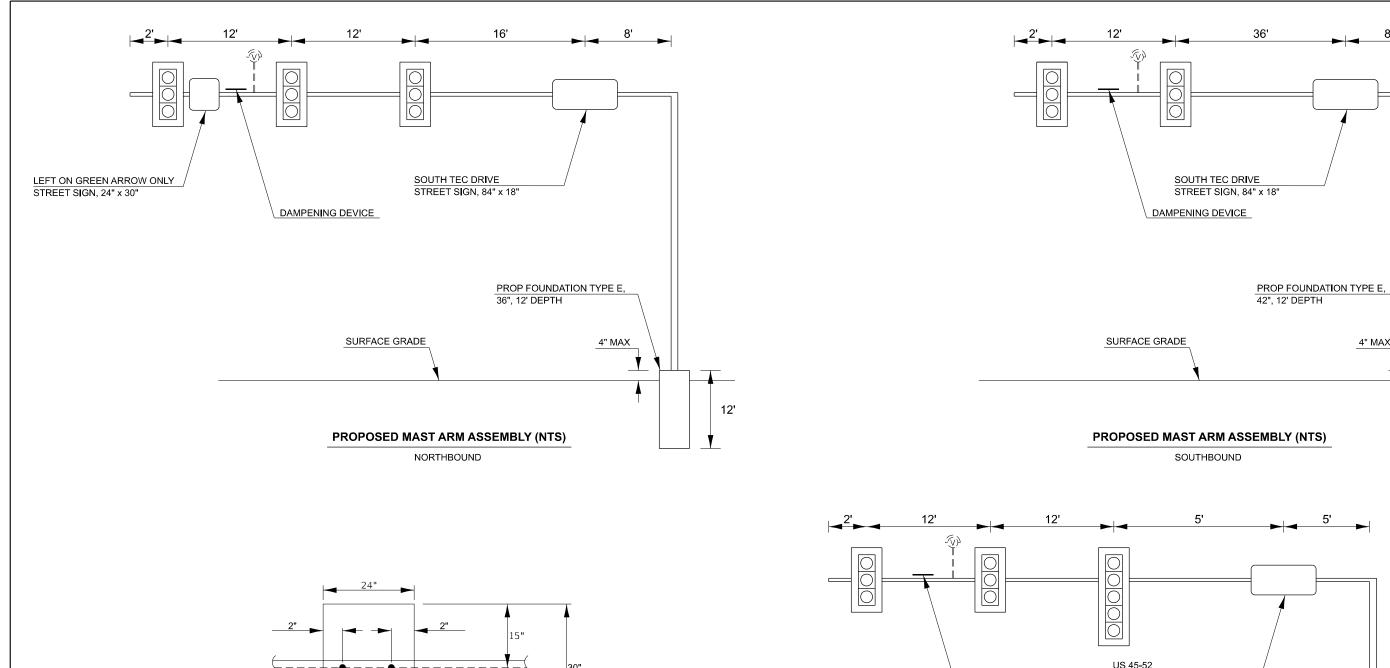
SHEET OF SHEETS STA. TO STA.

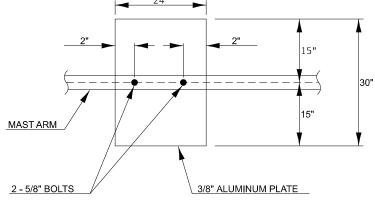
SCALE:

 FAP. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

 840
 (139)TS-1
 KANKAKEE
 22
 17

 CONTRACT NO. 66R42





NOTE:

CAMERA LOCATION ON MAST ARMS

	DRAWN -	REVISED -	STATE OF ILLINOIS	US 45 / 52 & SOUTH TEC DRIVE INTERSECTION	840 (139)TS-1	KANKAKEE
= kylie.lauterbach	DESIGNED -	REVISED -		MAST ARM DETAILS	F.A.P. SECTION	COUNTY TO
				EASTBOUN	D	
MS TO BE DETERM I N	NED BY EQU I PMENT MANUF.	ACTURER.				
				PROPOSED MAST ARM A	ASSEMBLY (NTS)	\downarrow
						10'
					Τ	401
						
					<u> </u>	_
	(TOP VIEW) INCIDENTAL TO	D MAST ARM QTY		SURFACE GRADE	4" MAX \	
_	DAMPENING PLATE	DETAIL (NTS)			\	
				,	\	
2 - 5/8" BOLTS	// \	/8" ALUMINUM PLATE		PROP F0 36", 10' E	OUNDATION TYPE E,	
	\ <u></u>					
<u>www.yaraan</u>						
MASTARM	/ //	15"		DAMPENING DEVICE		
<i>—</i>	1 1			STREET SIGN, 66" x 24"		
\vdash		3	0"	US 45-52		
					/	
		15"			/	

SCALE:

REVISED PLOT DATE = 6/24/2025 DATE REVISED -

DEPARTMENT OF TRANSPORTATION

US 45 / 52 & SOUTH TEC DRIVE INTERSECTION SHEET OF SHEETS STA.

CONTRACT NO. 66R42

4" MAX

12'



Page $\underline{1}$ of $\underline{1}$

Date 9/12/23

	ROUTE CH 40 (River Road)	_ DE	SCR	IPTION	i	S 45/5	2 & River Road (CH 40)	in Kankakee LO	GGED BY Larry Myers
	SECTION 139RS-2&I		_ [OCAT	ION _	NE 1/4	, SEC. 18, TWP. 30N, F	RNG. 13W, 2 nd PM,	
	COUNTY Kankakee DF	RILLING	ME	THOD			de 41.09195, Longitud low Stem Auger		CME Automatic
	STRUCT. NO		D E P T	B L O W	U C S	M 0 1 s	Surface Water Elev Stream Bed Elev	ft ft	
	BORING NO. B-1 (NW Quad) Station Offset Ground Surface Elev. 618.77	ji ji	Н	s	Qu (tsf)	T (%)	Groundwater Elev.: First Encounter Upon Completion After Hrs.		
	Augered Black and Brown Silty Clay Loam Fill	11	_		(,	(70)	Altei Fils		
	Stiff Brown Silty Clay Loam Fill	616.27	_	3					
	with Gravel Pieces Rust Red Loam with Heavy	615.27	_	4 5	2.0 P	17			
9	Dolomite Gravels Hard Brown and Gray Silty Clay	614.27	-5						
	Loam Till			5	4.0	21			
		611.77	_	6	Р				
	Very Stiff Gray Silty Clay, Clay, Silt, Silty Loam, Sand and Gravel Interbedded		_	3	3.5	24			
/23		609.27		5	Р				
GDT 9/22	Very Stiff to Hard Gray Silty Loam Till with Some Silt Layers		-10	4 5	3.5	13			
J IL_DOT		∇	_	6	P	10			
KAKEE.GF		_	<u>_</u> _	6	>4.5	12			
O) IN KAN			_	10	P	12			
OAD (CH 4			-15	8	>4.5	10			
RIVER R	Gray Weathered and Reworked	602.27	_	12	P P	10			
S 45_52 &	Limestone	600.77	_	50					
SOIL BORING US 45_52 & RIVER ROAD (CH 40) IN KANKAKEE GPJ IL_DOT.GDT 9/22/23	Assumed Limestone Surface End of Boring		_	100/1'		12			
SOIL E			-20						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

SCALE:

BBS, form 137 (Rev. 8-99)

USER NAME = Joseph.Zagar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -



Page $\underline{1}$ of $\underline{1}$

Date 9/12/23

ROUTE CH 40 (River Road)	DESC	RIPTION	1 <u>U</u>	S 45/5	2 & River Road (CH 40)	in Kankakee LO	GGED BY Larry Myers
SECTION 139RS-2&I		LOCAT	ION _	NW 1/	4, SEC. 17, TWP. 30N, de 41.09187, Longitud	RNG. 13W, 2 nd PM,	
COUNTY Kankakee DI	RILLING M	ETHOD			low Stem Auger		CME Automatic
STRUCT. NOStationBORING NO B-2 (NE Quad)	— F	L O W	U C S	M O I S	Surface Water Elev Stream Bed Elev Groundwater Elev.:	ft	
Station Offset	_ "		Qu	T (0/)	First Encounter _ Upon Completion _	604.7 ft <u>▼</u> 606.2 ft <u>√</u>	
Ground Surface Elev. 619.20 Augered Shoulder Stone, Black	ft (T	(/6")	(tsf)	(%)	After Hrs	ft	
and Brown Silty Clay Loam Fill	616.70						
Very Stiff Brown and Gray Silty Clay Loam/Silty Loam Till		3	2.5	25			
	_	4	Р				
		5 4 5 6	3.9 S	17			
Stiff to Hard Gray Silty Clay Loam/Silty Loam Till with Silt Layers	 	2 3 3	1.5 P	15			
	1 1 	0 1 3 6	3.0 P	14			
Large Limestone Gravel Pieces after 12'	<u>√</u> -	10 12 13	>4.5 P	9			
Gray Weathered and Reworked Limestone	604.7 ©	5 100/5"					
Assumed Rock Surface (Limestone) End of Boring				13			
	-2	0					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

USER NAME = Joseph.Zagar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

	SOIL	BORING	LOG		F.A.P. RTE	:
IIS 45 / 5	2 & RIV	ER ROAD	INTERS	ECTION	840	(139
00 43 / 3	Z G INIV	FIL HOND	IMIENO	LOTION		
SHEET	OF	SHEETS	STA	TO STA		



Page $\underline{1}$ of $\underline{1}$

	Division of Highways Illinois Department of Transpo	ortation	.	•				0 -00	Date	9/12/23
ROUTE So	outh Tech Rd. (TR 137		SCR	IPTION	1	US 45	/52 & South Tech Road Kankakee	(TR 137) in	OGGED BY	Larry Myers
	139RS-2&I Kankakee DR					Latitu	4, SEC. 18, TWP. 30N, I Ide 41.08627, Longitud Ilow Stem Auger	le -87.86878		utomatic
Station BORING NO. Station Offset			D E P T H	B L O W S	U C S Qu	M O I S T	Upon Completion	ft Dry		
	rface Elev. 621.05 ck Silty Clay Loam Fill		(ft)	(/6")	(tsf)	(%)	After Hrs	ft		
		618.55	_							
	st Orange Silty with Gravel Pieces cets	:		4 5 9	3.0 P	12				
Buff Weather Dolomite	red and Reworked	616.05		18 24		10				
Assumed Do Auger Refusi End of Boring			-10 -10 -15	59						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

USER NAME = Joseph.Zagar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	S	
840	(139)TS-1		KANKAKEE	22		
			CONTRACT NO. 66R4			
		ILLINOIS	FED. AI	D PROJECT		Ξ

DEL: Derault E NAME: c:\pw_work\pwidot\zagarjk\d1068083\66



Page $\underline{1}$ of $\underline{1}$

Division of Highways
Illinois Department of Transportation Date 9/12/23 US 45/52 & South Tech Road (TR 137) in ROUTE South Tech Rd. (TR 137) DESCRIPTION Kankakee LOGGED BY Larry Myers LOCATION NW 1/4, SEC. 17, TWP. 30, RNG. 13W, 2nd PM, Latitude 41.08591, Longitude -87.86915 SECTION 139RS-2&I DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic COUNTY Kankakee В STRUCT. NO. Surface Water Elev. Е L C Station Stream Bed Elev. Р 0 S W Т BORING NO. B-2 (NE Quad.) Groundwater Elev.: S Qu First Encounter Station ___ **Upon Completion** Dry ft Ground Surface Elev. 622.07 ft (ft) (/6") (tsf) (%) After ____ Hrs. Augered Shoulder Stone, Black Silty Clay Loam Fill with Gravel Layers 619.57 Very Stiff Rust Orange Silty Loam/Loam with Dolomite Gravel and Silt Pockets 2.5 14 8 Р 617.07 -5 10 Buff Weathered and Reworked Dolomite 18 61 615.07 Assumed Rock Surface - Auger Refusal at 7' End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

SCALE:

BBS, form 137 (Rev. 8-99)

USER NAME = Joseph.Zagar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SH	
840	(139)TS-1		KANKAKEE	22	-	
			CONTRACT NO. 66R42			
		ILLINOIS	FED. AID PROJECT			
						_