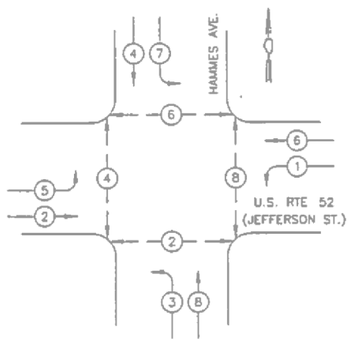
CONTROLLER SEQUENCE

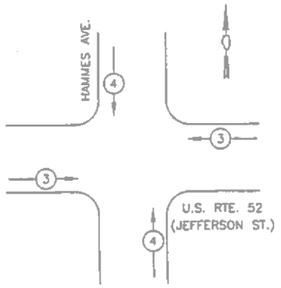


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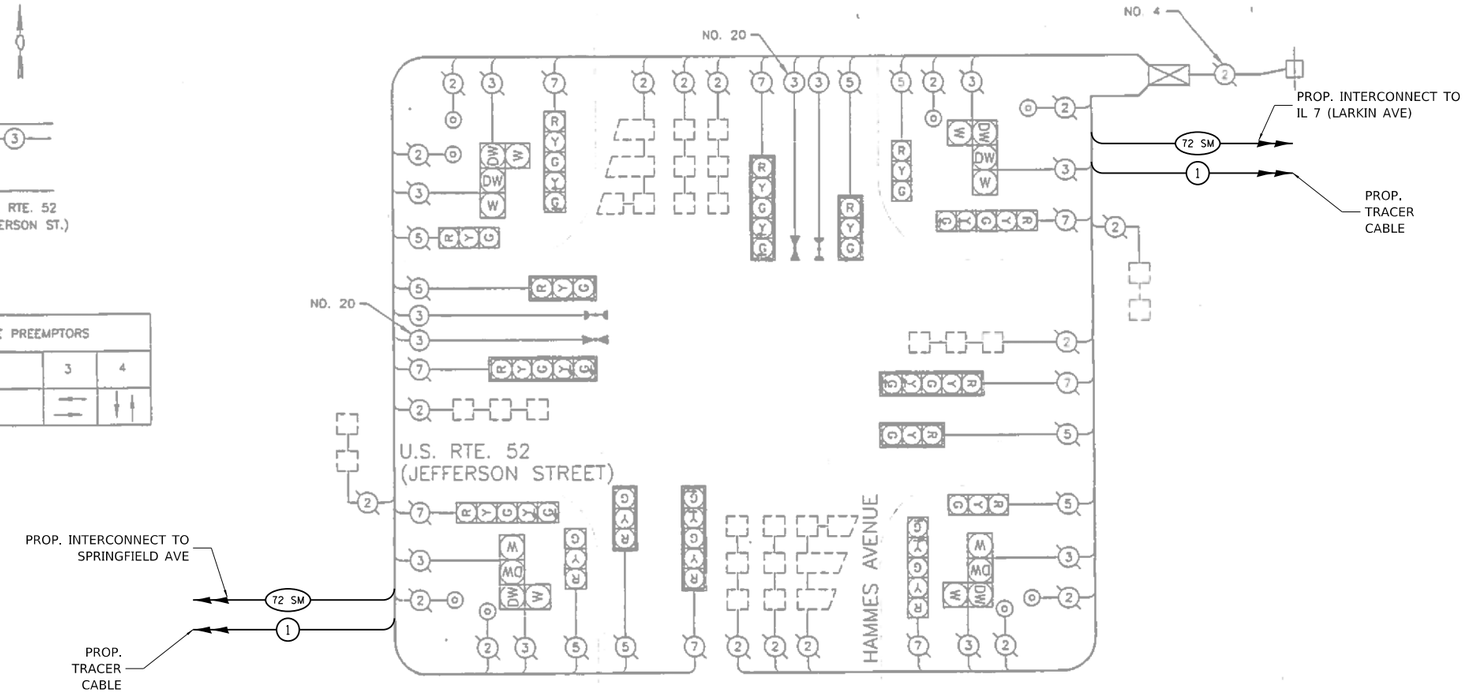
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	16	135	17	0.50	1080
(YELLOW)	16	135	25	0.25	540
(GREEN)	16	135	15	0.25	540
ARROW	16	135	12	0.10	216
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
				TOTAL =	3196

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY:
CONTACT: _____
PHONE: _____
COMPANY: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	12

LOCATION NO. 43
TS 22515
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\SharepointUTTERS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-CABLE-ECON 126.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 52 (JEFFERSON STREET) AND HAMMES AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	100
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

REMOVAL AND RELOCATION NOTES:

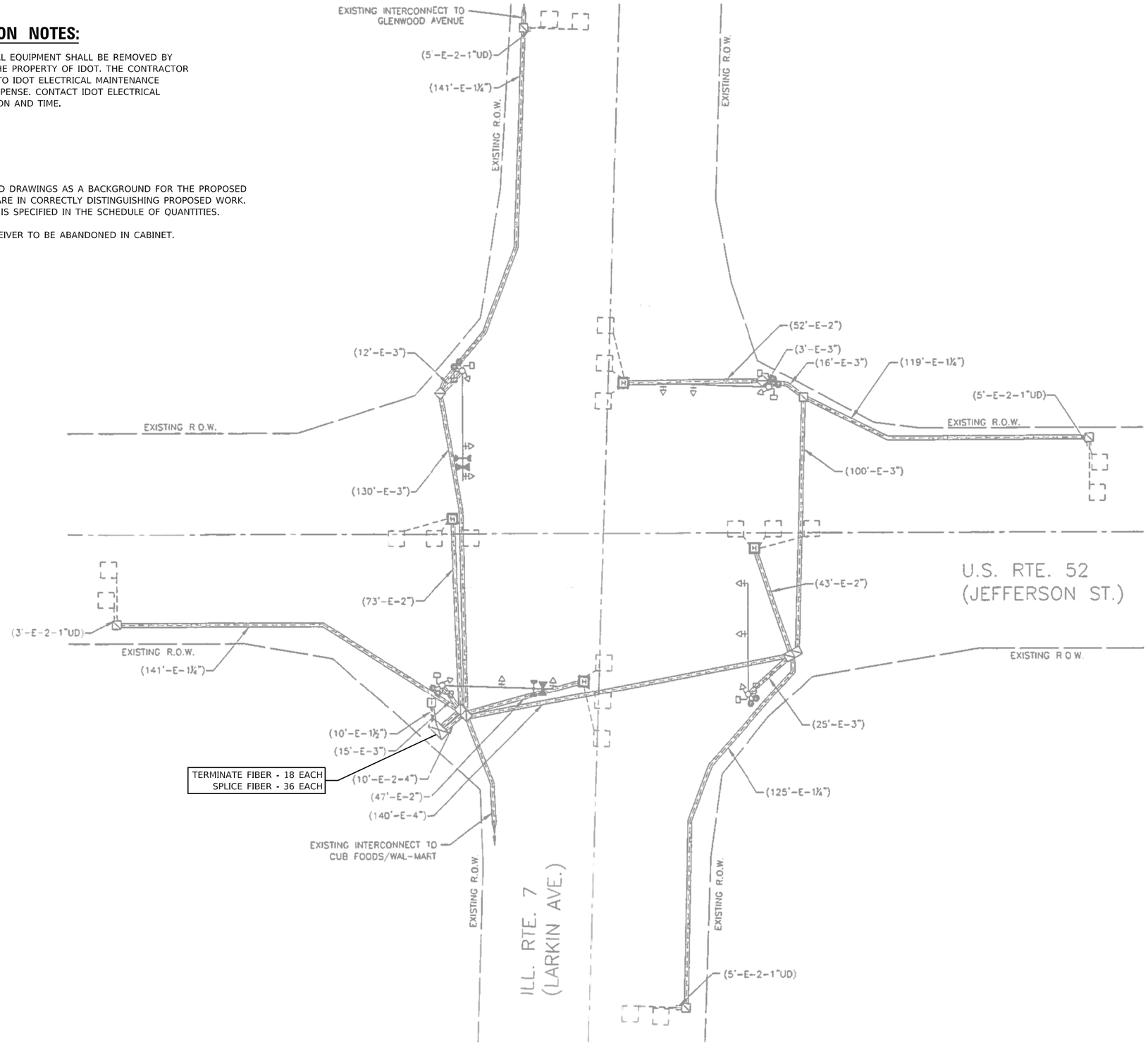
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THE EQUIPMENT TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT IDOT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

2 EACH MASTER CONTROLLER

NOTES:

1. THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED WORK. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES.

2. THE EXISTING FIBER OPTIC TRANSCEIVER TO BE ABANDONED IN CABINET.



LOCATION NO. 44
TS 22516
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-sht-TS MOD-ECON 126.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -

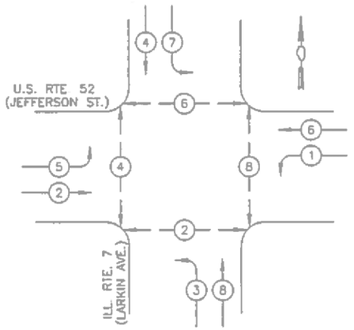
CITY OF JOLIET

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 52 (JEFFERSON STREET) AND IL ROUTE 7 (LARKIN AVENUE)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	101
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

CONTROLLER SEQUENCE

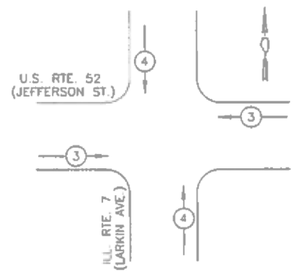


LEGEND

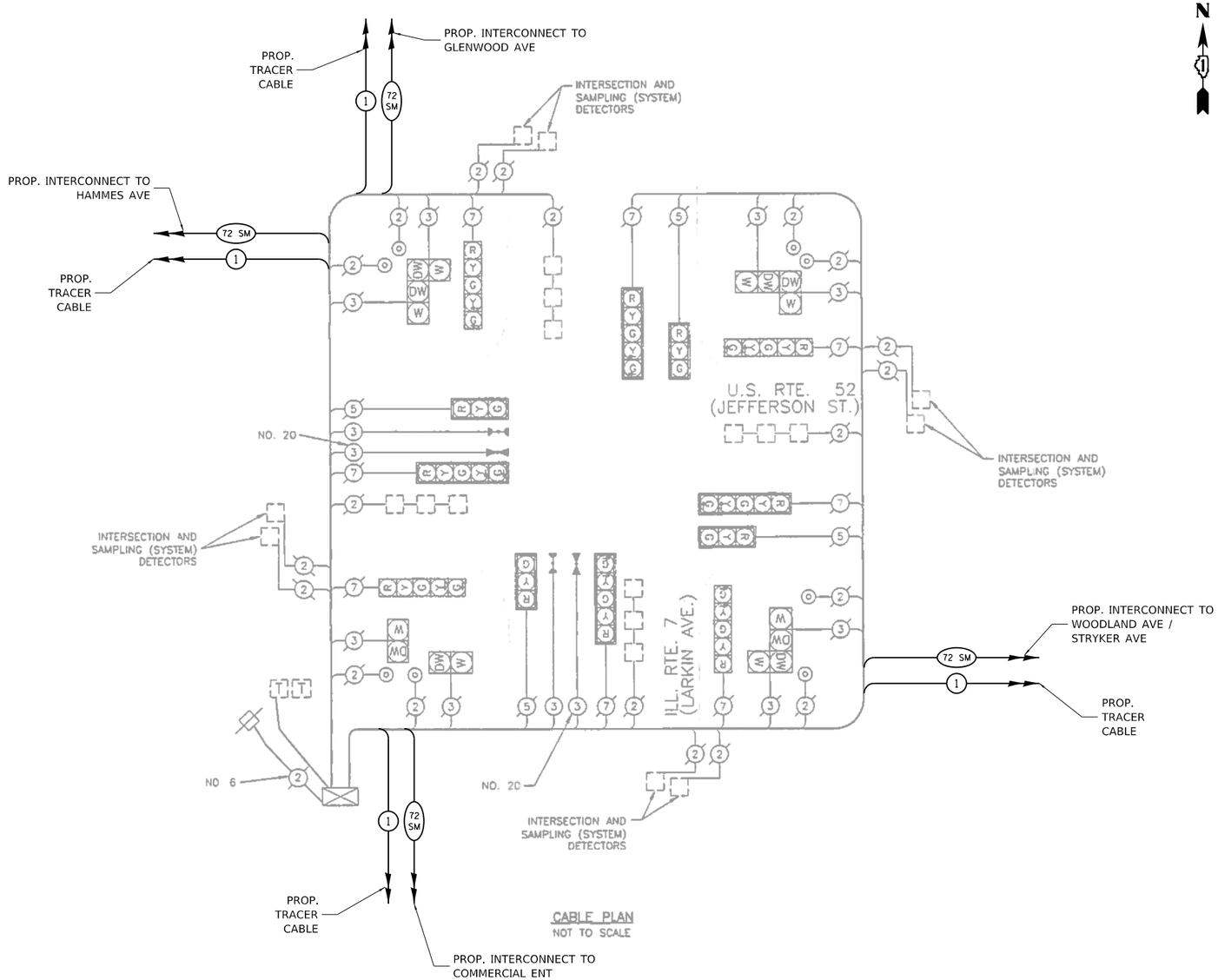
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN MOVEMENT
- * — NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	810
(YELLOW)	12	135	25	0.25	405
(GREEN)	12	135	15	0.25	405
ARROW	16	135	12	0.10	216
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
				TOTAL =	2656

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TERMINATE FIBER IN CABINET	EACH	18
SPLICE FIBER IN CABINET	EACH	36

LOCATION NO. 44
TS 22516
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\Shared\Int\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase 4\ACADD\Sheet Files\Joliet ATMS-int-CABLE-ECON 126.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -

CITY OF JOLIET

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 52 (JEFFERSON STREET) AND IL ROUTE 7 (LARKIN AVENUE)

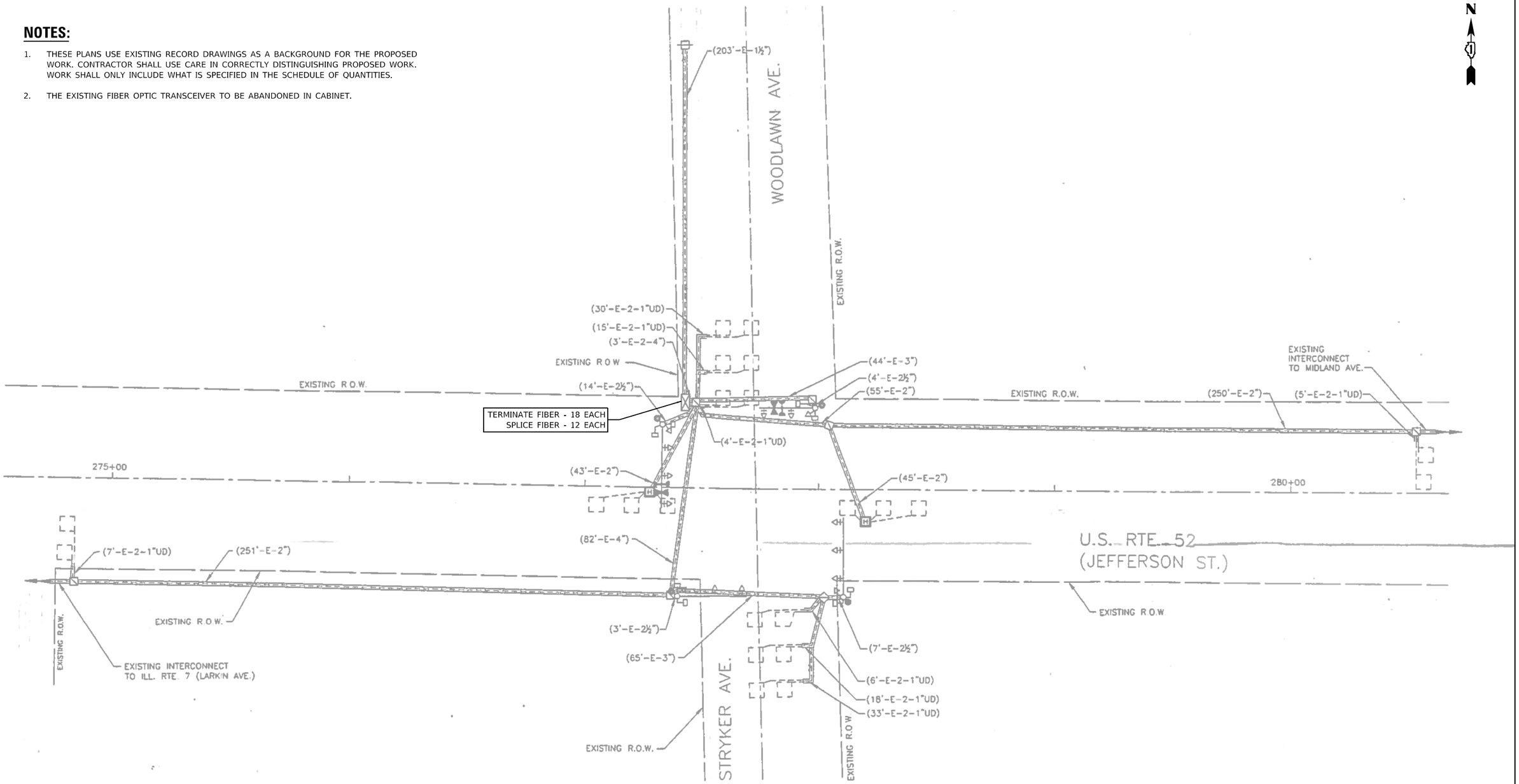
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	102
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED WORK. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES.

2. THE EXISTING FIBER OPTIC TRANSCEIVER TO BE ABANDONED IN CABINET.



LOCATION NO. 45
TS 22517
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\Shared\Intl\TERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-ints-TS MOD-ECON 126.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -

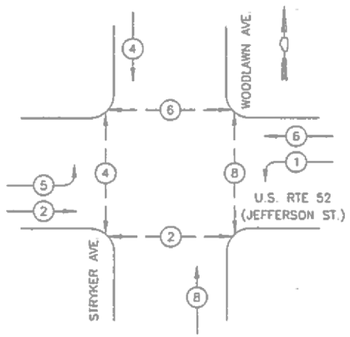
CITY OF JOLIET

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 52 (JEFFERSON STREET) AND WOODLAWN AVENUE / STRYKER AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	103
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE

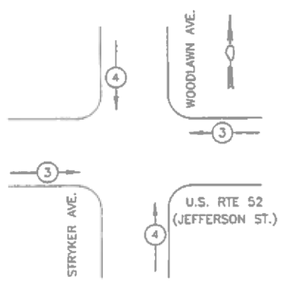


LEGEND

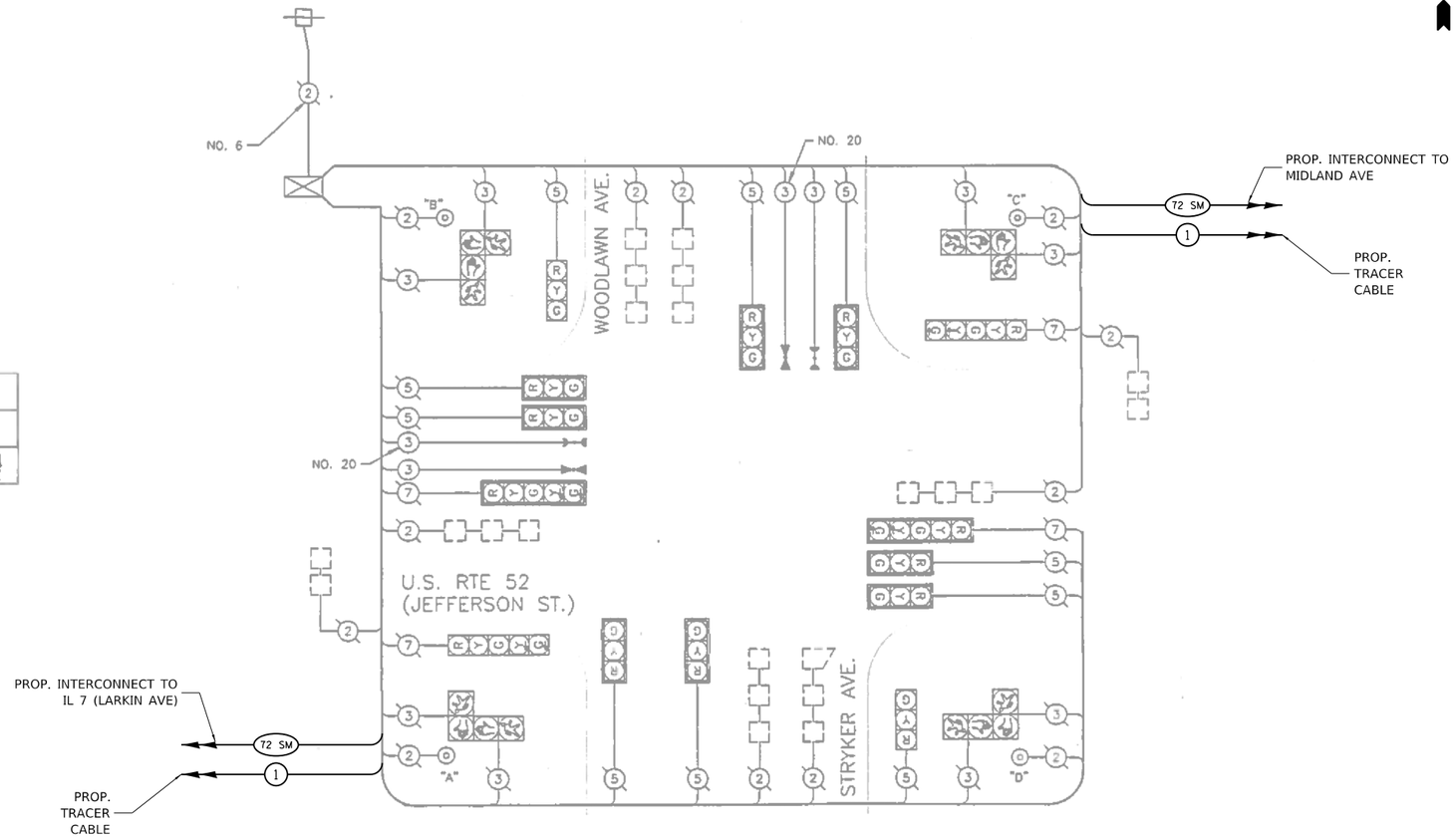
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN
NOT TO SCALE

NOTE:

PUSHBUTTON A SHALL PLACE A CALL TO PHASES 2 & 4
PUSHBUTTON B SHALL PLACE A CALL TO PHASES 4 & 6
PUSHBUTTON C SHALL PLACE A CALL TO PHASES 6 & 8
PUSHBUTTON D SHALL PLACE A CALL TO PHASES 8 & 2

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	14	135	17	0.50	945
(YELLOW)	14	135	25	0.25	473
(GREEN)	14	135	15	0.25	473
ARROW	8	135	12	0.10	108
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
				TOTAL =	2819

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
TERMINATE FIBER IN CABINET	EACH	18
SPLICE FIBER IN CABINET	EACH	12

LOCATION NO. 45
TS 22517
FORMER ECON 126
JOLIET CTMS

MODEL: Default
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iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 52 (JEFFERSON STREET) AND WOODLAWN AVENUE / STRYKER AVENUE

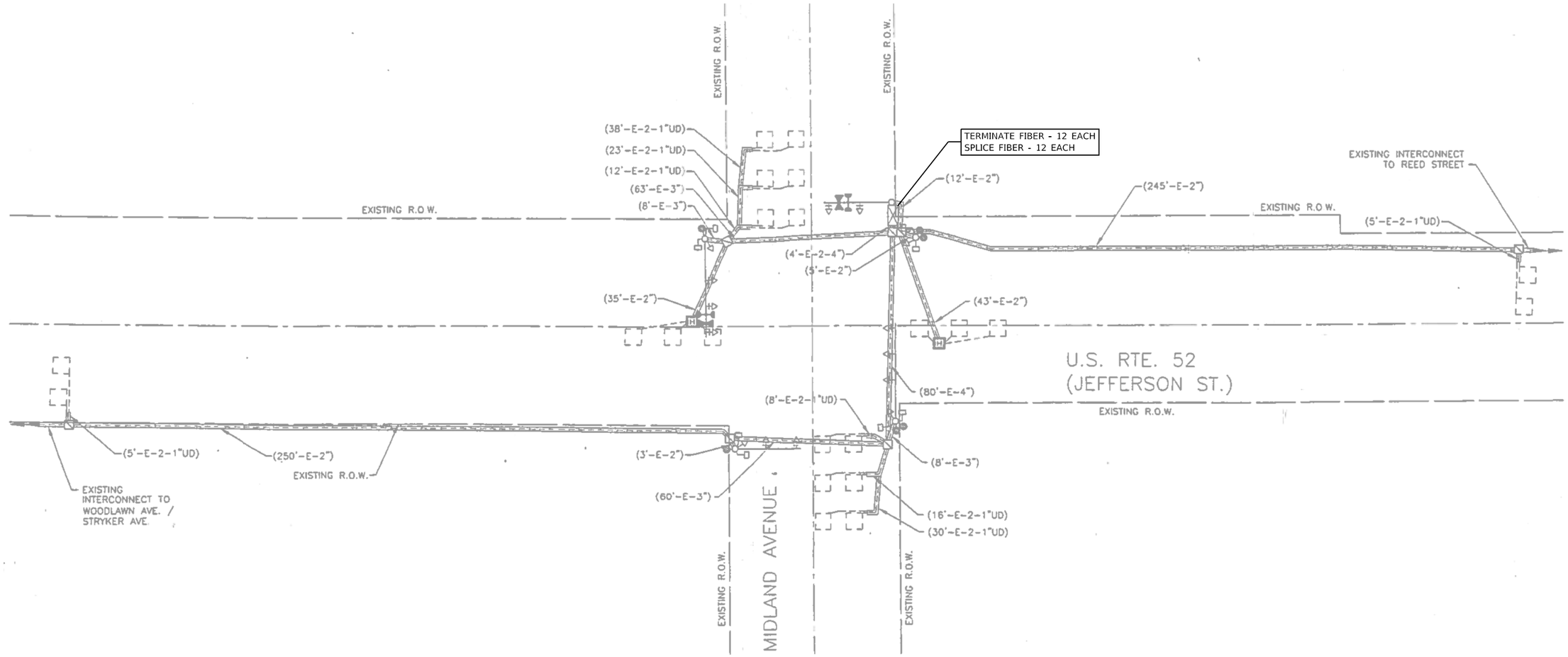
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	104
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED WORK. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES.

2. THE EXISTING FIBER OPTIC TRANSCEIVER TO BE ABANDONED IN CABINET.



LOCATION NO. 46
TS 22518
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-sht-TS MOD-ECON 126.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -

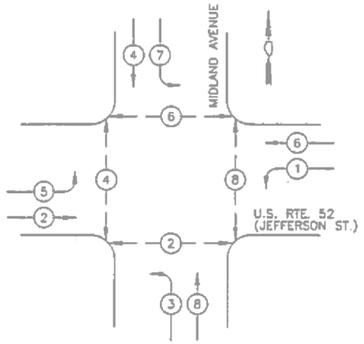
CITY OF JOLIET

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 52 (JEFFERSON STREET) AND MIDLAND AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	105
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

CONTROLLER SEQUENCE

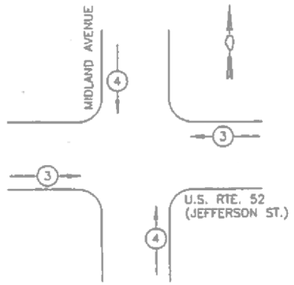


LEGEND

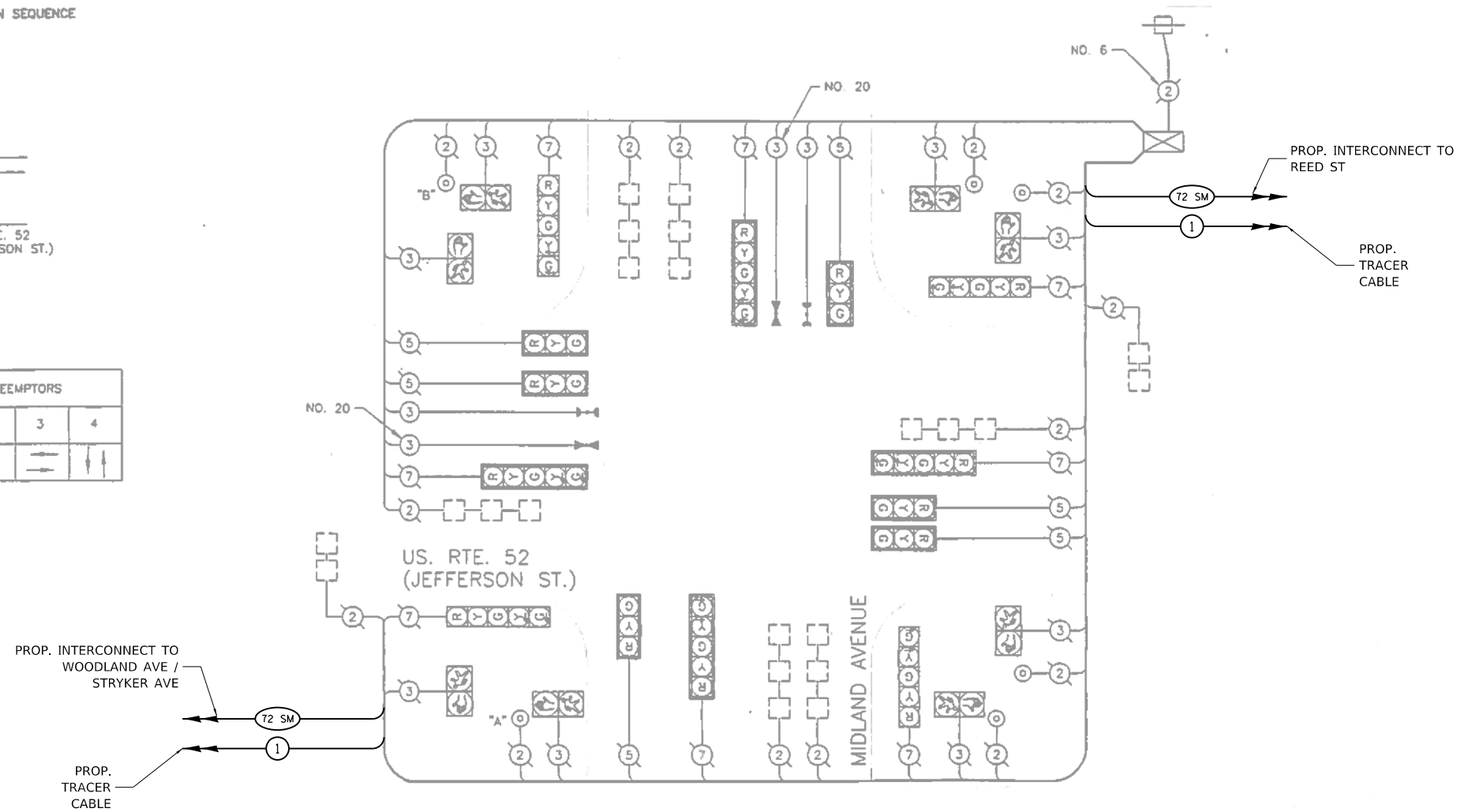
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN MOVEMENT
- * — NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN
NOT TO SCALE

NOTE:

PUSHBUTTON A SHALL PLACE A CALL TO PHASES 2 & 4
PUSHBUTTON B SHALL PLACE A CALL TO PHASES 4 & 6

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS×	WATTAGE INCAND.	WATTAGE LED	×% OPERATION	
SIGNAL (RED)	14	135	17	0.50	945
(YELLOW)	14	135	25	0.25	473
(GREEN)	14	135	15	0.25	473
ARROW	16	135	12	0.10	216
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
				TOTAL =	2927

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY:
CONTACT: _____
PHONE: _____
COMPANY: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	12

LOCATION NO. 46
TS 22518
FORMER ECON 126
JOLIET CTMS

MODEL: Default
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iteris

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	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 52 (JEFFERSON STREET) AND MIDLAND AVENUE

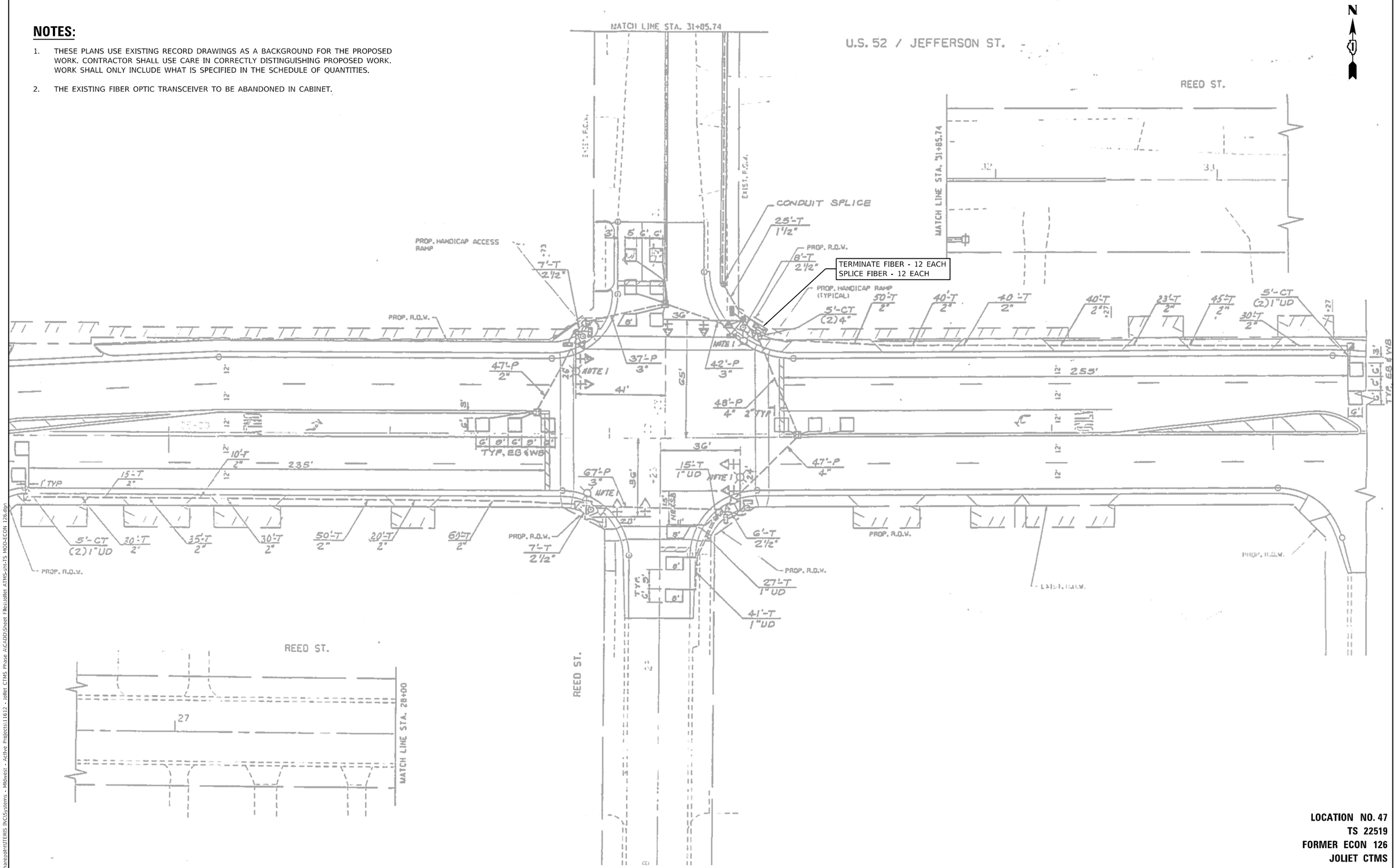
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	106
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED WORK. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES.

2. THE EXISTING FIBER OPTIC TRANSCEIVER TO BE ABANDONED IN CABINET.



LOCATION NO. 47
TS 22519
FORMER ECON 126
JOLIET CTMS

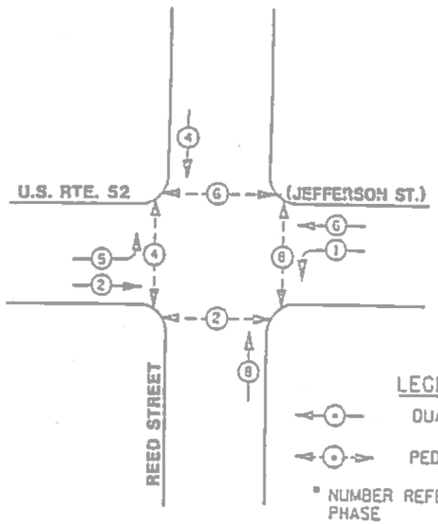
iteris	USER NAME = bfunk	DESIGNED - BF	REVISED -	CITY OF JOLIET	TRAFFIC SIGNAL MODIFICATION PLAN US ROUTE 52 (JEFFERSON STREET) AND REED STREET
		DRAWN - BF	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -		
	PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	107
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: C:\Shareusdirt\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-ph1-TS MOD-ECON 126.dgn

CONTROLLER SEQUENCE

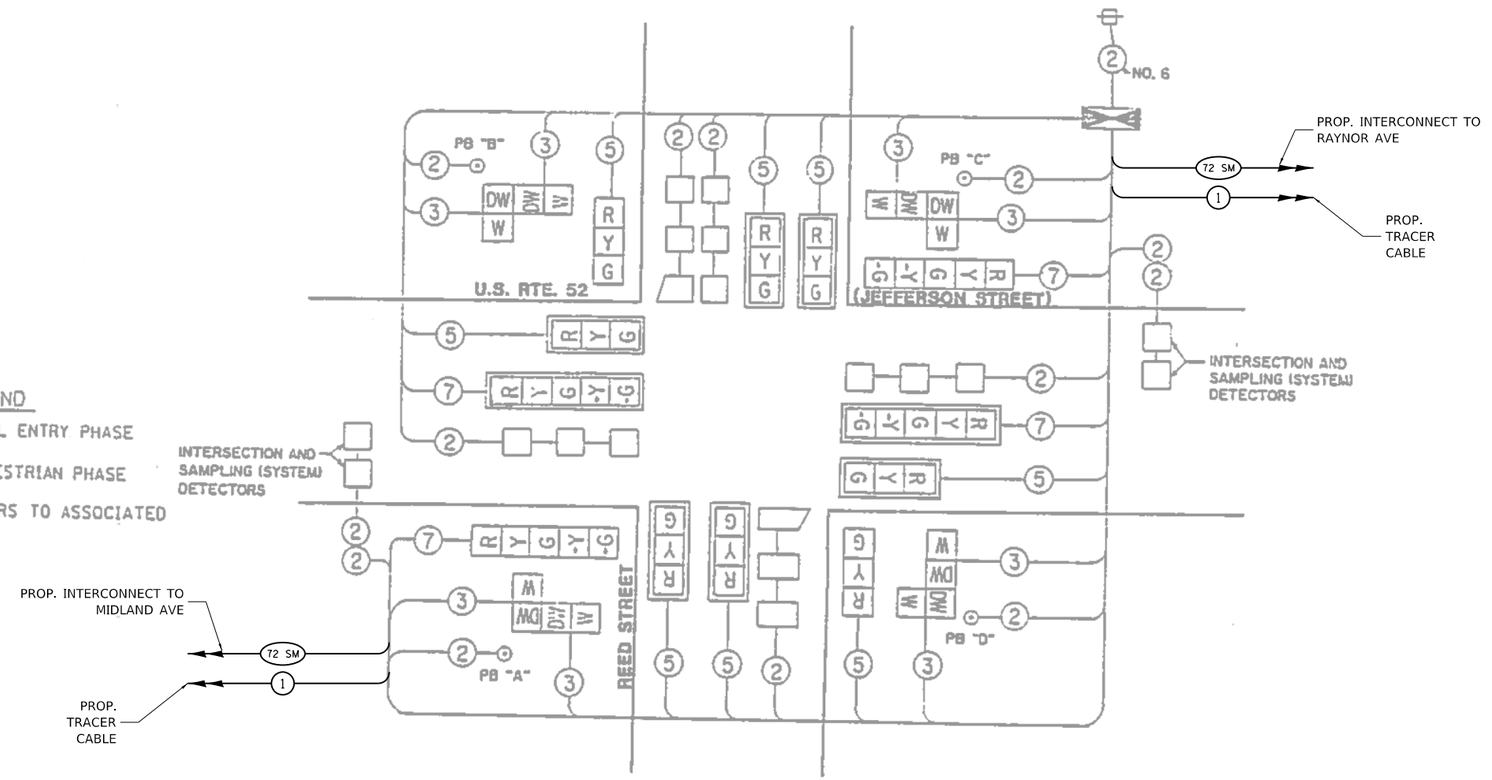
REFERRING TO STANDARD 2393, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW.



PHASE DESIGNATION DIAGRAM

DUAL ENTRY - ALL LEGS
PROTECTED/PERMITTED LEFT TURN PHASING

CABLE PLAN



PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 2 & 4
PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 4 & 6
PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 6 & 8
PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 8

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	8	11	88
	4-SECTION	-	14	-
	5-SECTION	4	13	52
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		-	20	-
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	-	35	-
CELLULAR MODEM		-	15	-
TOTAL UPS SIZING				435
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				1040

ENERGY COSTS - BILLED TO:
CITY OF JOLIET
150 W JEFFERSON STREET
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMED
ACCOUNT NUMBER: _____
METER NUMBER: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	12

LOCATION NO. 47
TS 22519
FORMER ECON 126
JOLIET CTMS

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 52 (JEFFERSON STREET) AND REED STREET

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

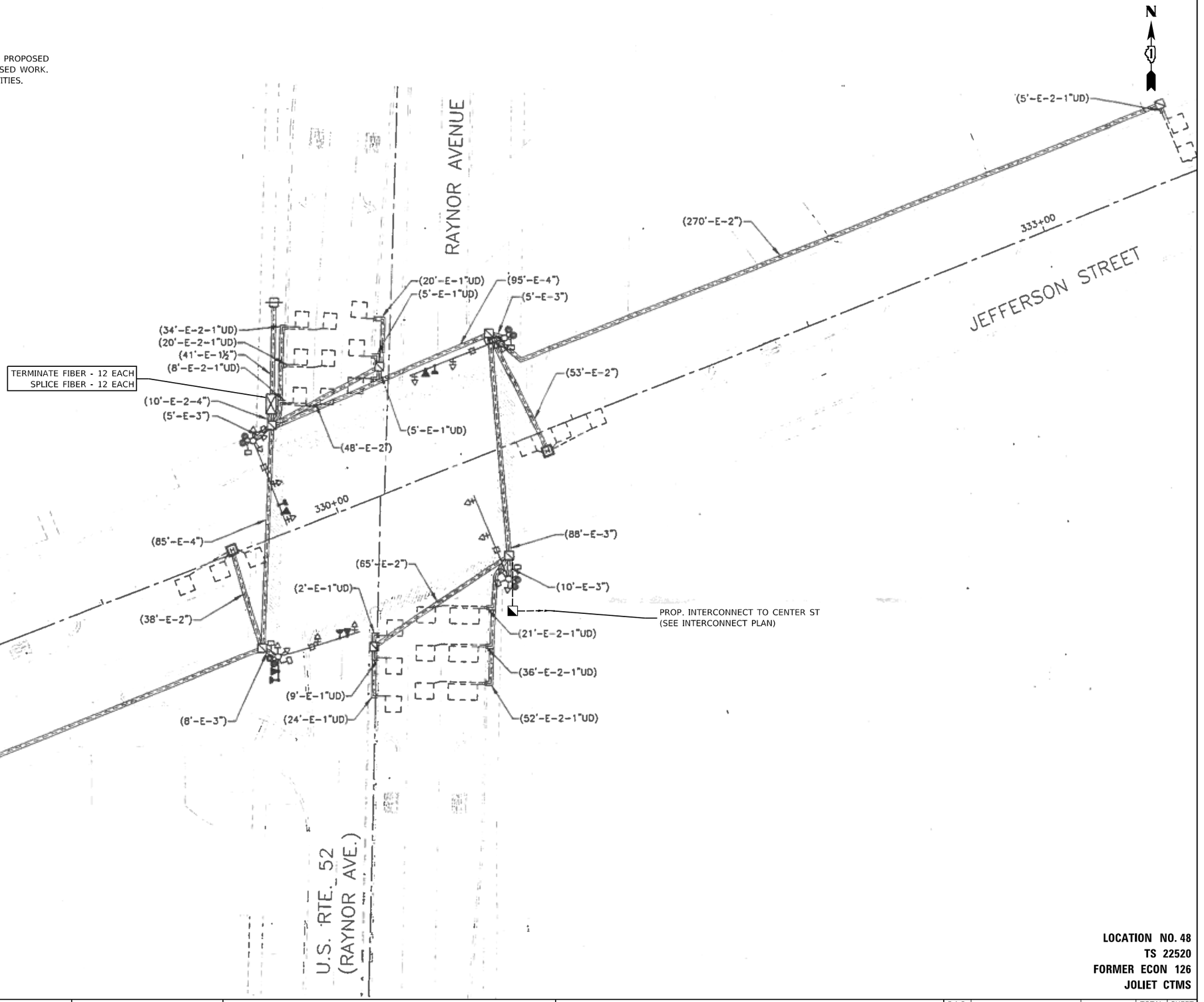
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	108
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: C:\Shareon\nITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS=sht=CABLE-ECON 126.dgn

NOTES:

1. THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED WORK. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES.

2. THE EXISTING FIBER OPTIC TRANSCEIVER TO BE ABANDONED IN CABINET.



LOCATION NO. 48
TS 22520
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\Shared\nt\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-Int-TS MOD-ECON 126.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/3/2024	DATE - 4/2/24	REVISED -	

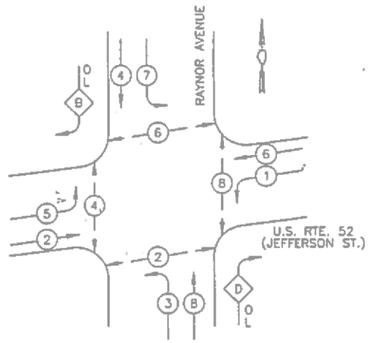
CITY OF JOLIET

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 52 (JEFFERSON STREET) AND RAYNOR AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	109
		CONTRACT NO. XXXXX		
		ILLINOIS	FED. AID PROJECT	

CONTROLLER SEQUENCE



LEGEND

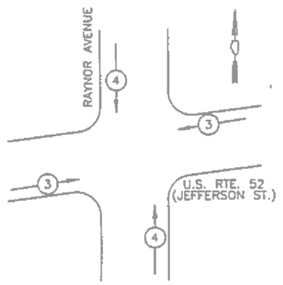
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN MOVEMENT
- * — NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

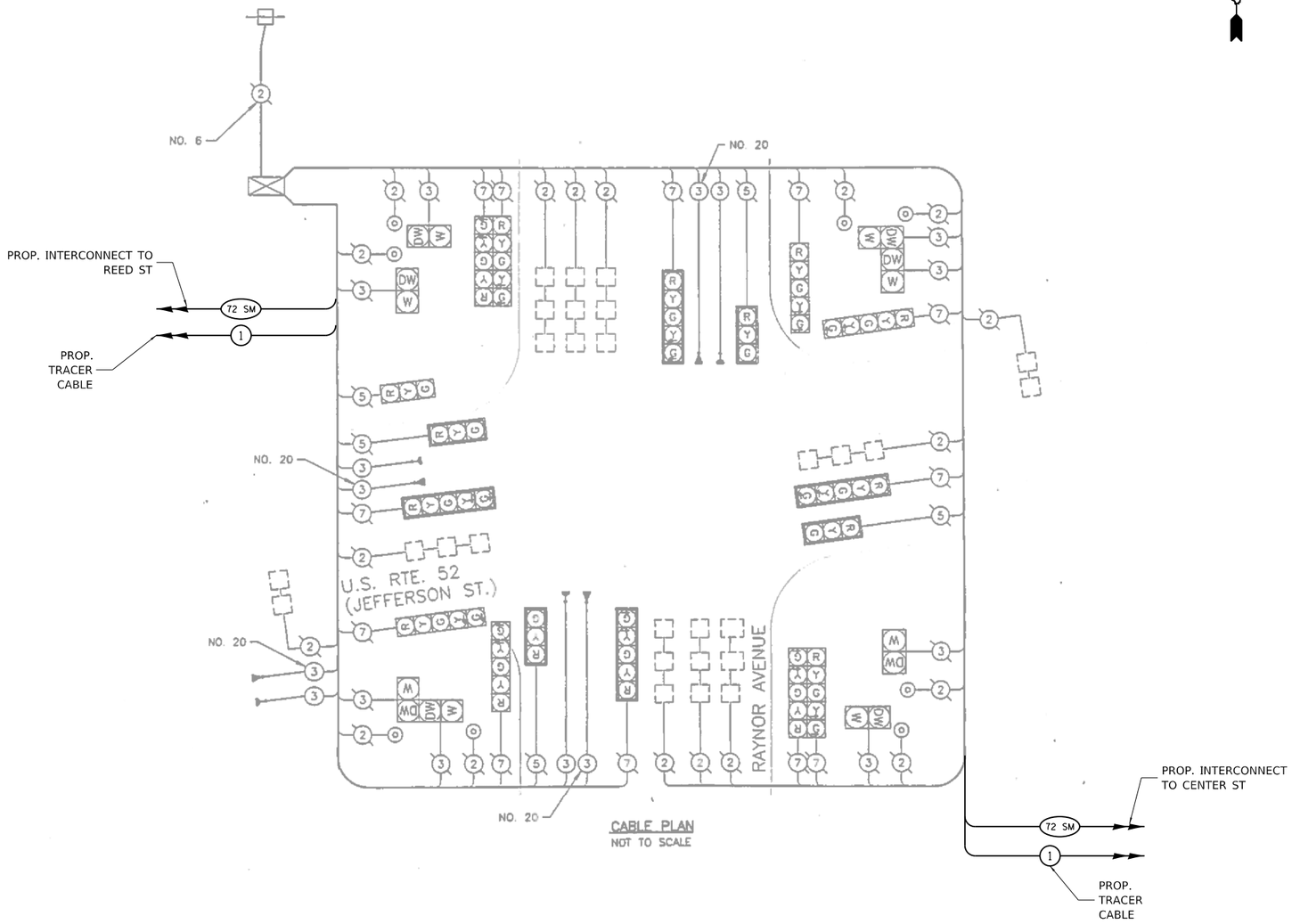
RIGHT TURN OVERLAP PHASE DESIGNATION

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	=	=



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS×	WATTAGE INCAND	WATTAGE LED	×% OPERATION	
SIGNAL (RED)	17	135	17	0.50	1148
(YELLOW)	17	135	25	0.25	574
(GREEN)	17	135	15	0.25	574
ARROW	24	135	12	0.10	324
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
				TOTAL =	3440

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	12

LOCATION NO. 48
TS 22520
FORMER ECON 126
JOLIET CTMS

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-CABLE-ECON 126.dgn

iteris

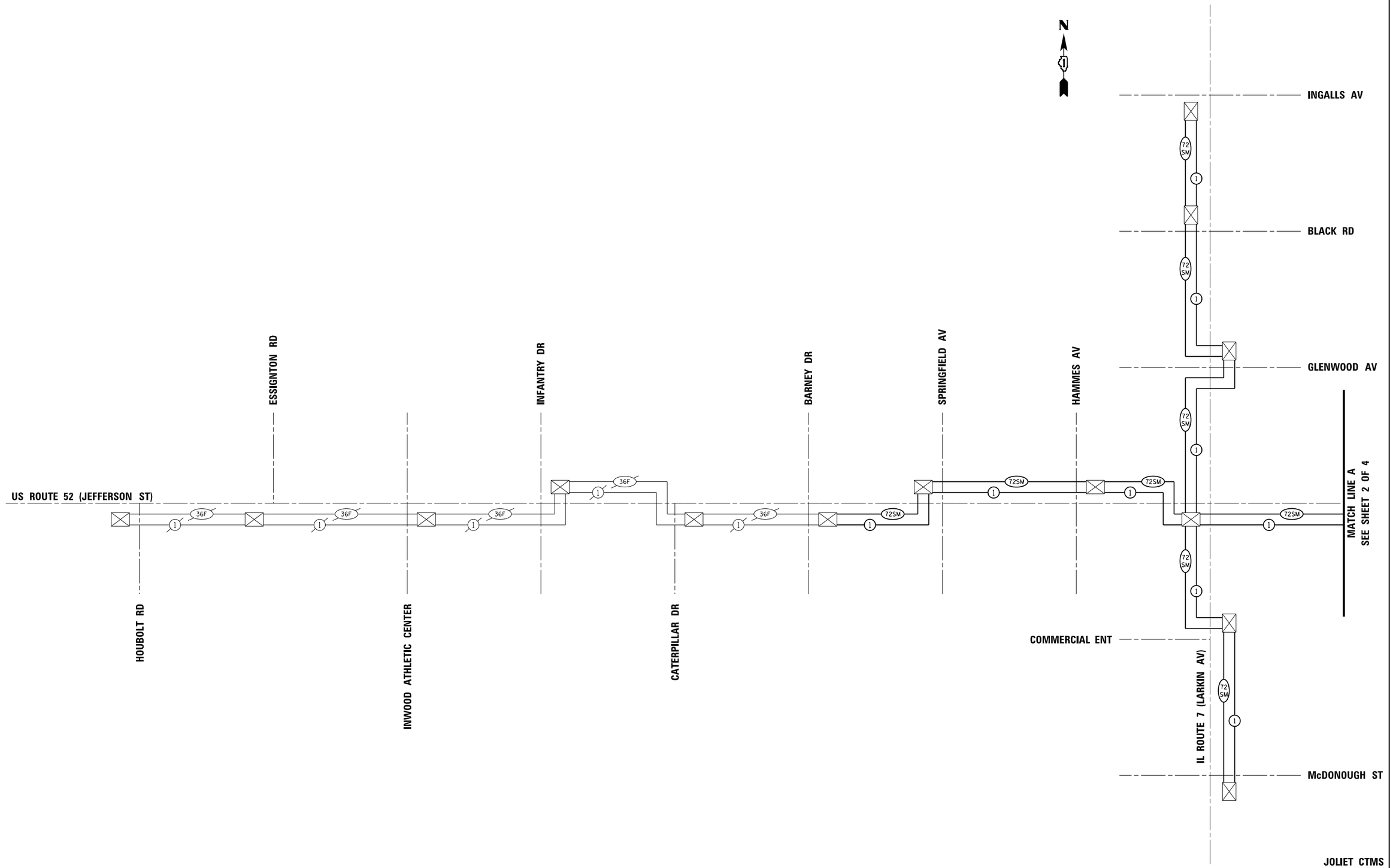
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	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/3/2024	DATE - 4/2/24	REVISED -	

CITY OF JOLIET

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 52 (JEFFERSON STREET) AND RAYNOR AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	110
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			



JOLIET CTMS
FORMER ECON 125, 126

MODEL: Default
FILE NAME: C:\Shareoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-Interconnect Schematic.dgn

iteris

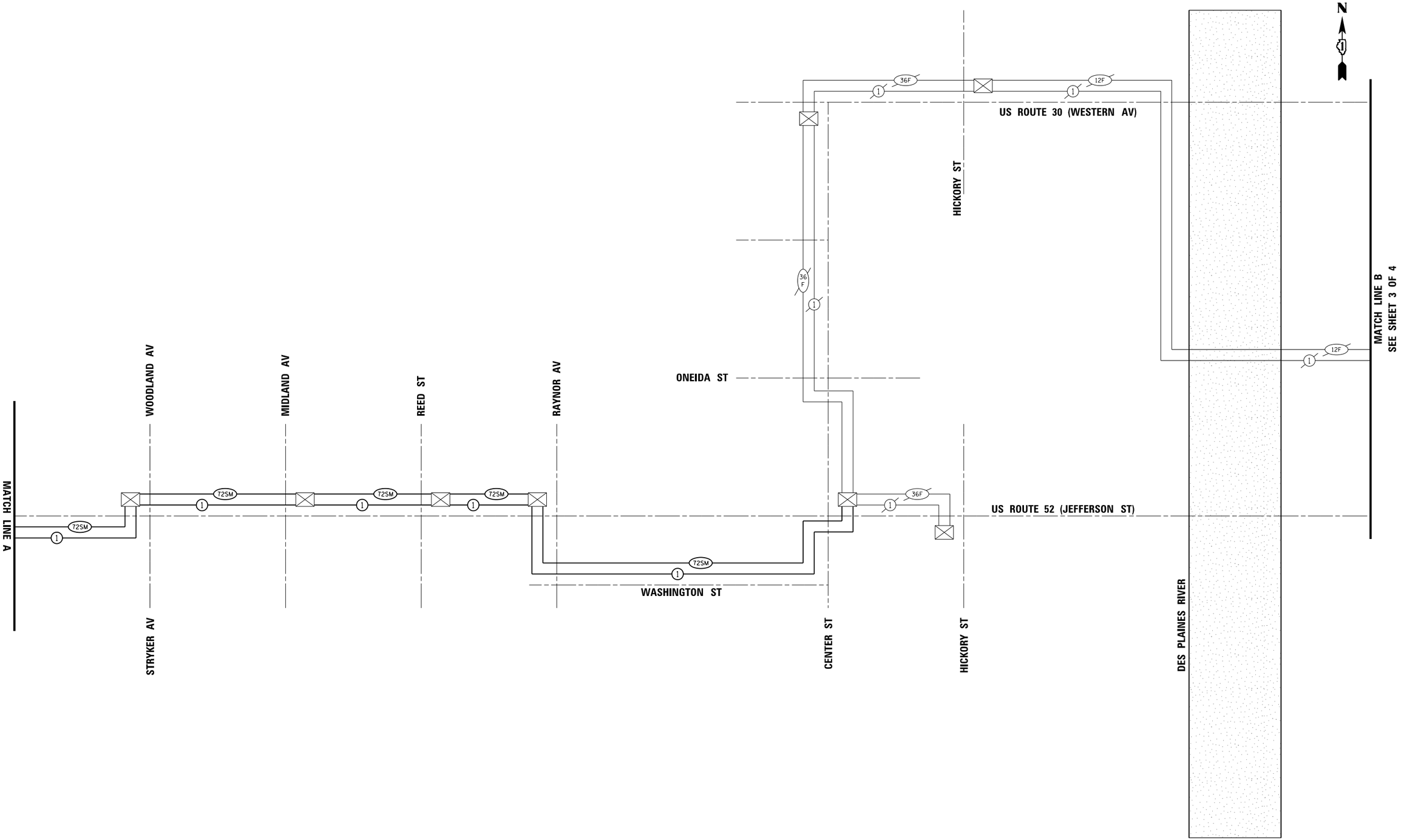
USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

INTERCONNECT SCHEMATIC (SHEET 1 OF 4)
IDOT SYSTEMS 125 AND 126

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	111
		CONTRACT NO. XXXXX		
		ILLINOIS	FED. AID PROJECT	



JOLIET CTMS
FORMER ECON 121, 126

MODEL: Default
FILE NAME: c:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-Interconnect Schematic.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/3/2024	DATE - 4/2/24	REVISED -	

CITY OF JOLIET

INTERCONNECT SCHEMATIC (SHEET 2 OF 4)
IDOT SYSTEMS 121 AND 126

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	112
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

MATCH LINE B
SEE SHEET 2 OF 4

MATCH LINE C
SEE SHEET 4 OF 4

JOLIET ST

IL ROUTE 53 SB (OTTAWA ST)

CHICAGO ST

EASTERN AV

HERKIMER ST

US ROUTE 6 (COLLINS ST)

N

US ROUTE 30 WB
(CASS ST)

US ROUTE 30 (CASS ST)

CLINTON ST

HERKIMER DR

VAN BUREN ST

VAN BUREN ST

VAN BUREN ST

VAN BUREN ST

MAYOR ART SCHUTZ DR

US ROUTE 30 EB
(JEFFERSON ST)

CITY
HALL

WASHINGTON ST

IL ROUTE 53 NB (SCOTT ST)

EASTERN AV

RICHARDS ST

JOLIET CTMS
FORMER ECON 121, 123

MODEL: Default
FILE NAME: C:\Shared\Int\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-jnt-Interconnect Schematic.dgn

iteris

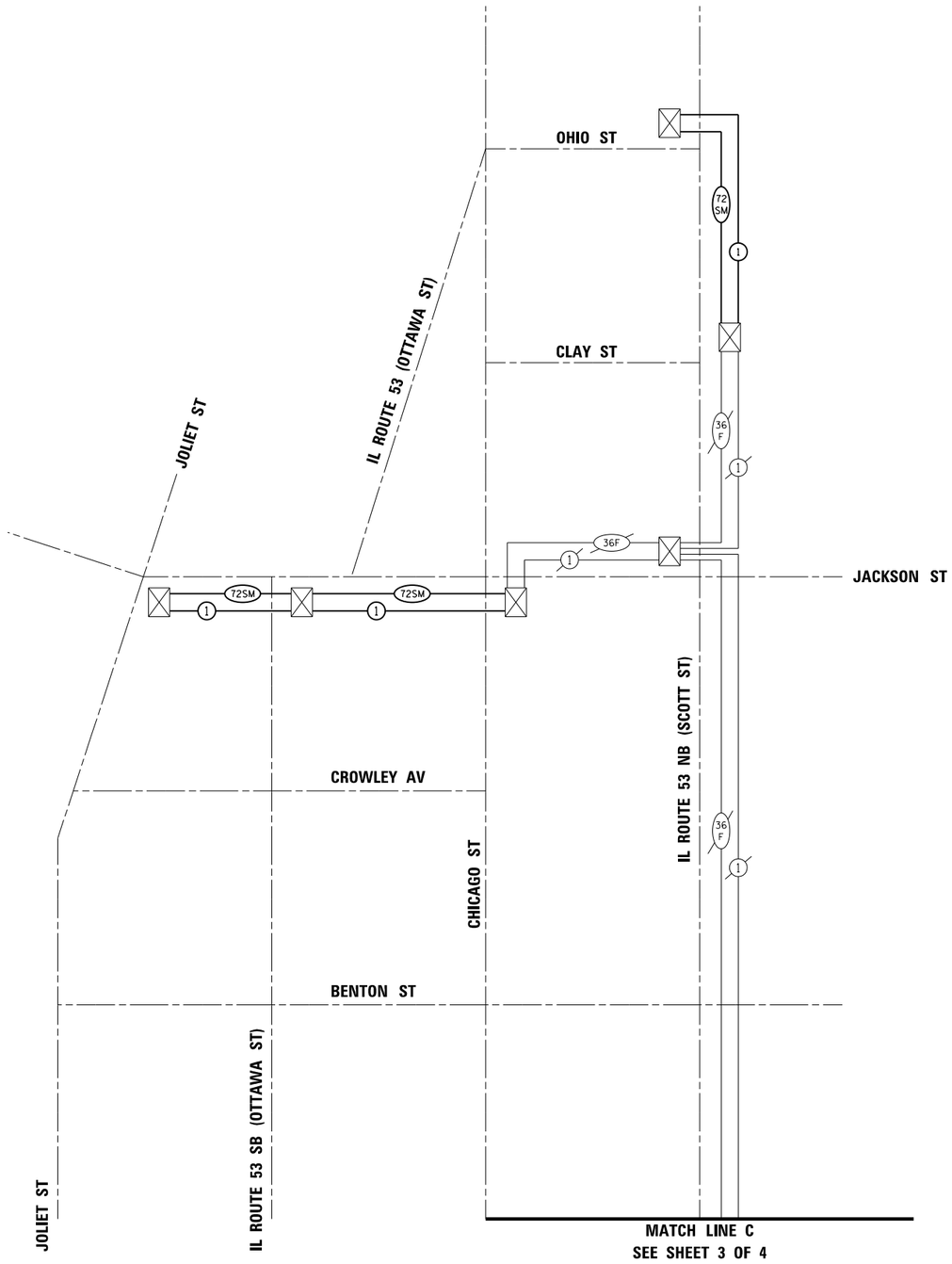
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	DRAWN - BF	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -

CITY OF JOLIET

INTERCONNECT SCHEMATIC (SHEET 3 OF 4)
IDOT SYSTEMS 121 AND 123

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	113
		CONTRACT NO. XXXXX		
		ILLINOIS	FED. AID PROJECT	



SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNIT	QTY.
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3317
	HANDHOLE	EACH	7
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	32409
	DRILL EXISTING HANDHOLE	EACH	4
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	14000
	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	28519
	FIBER OPTIC CABLE 72 FIBERS, SINGLE MODE	FOOT	32907

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY ENGINEER

JOLIET CTMS
FORMER ECON 122

MODEL: Default
FILE NAME: C:\Shared\int\ITERIS INC\Systems - Midwest - Active Projects\1612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-Interconnect Schematic.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/3/2024	DATE - 4/2/24	REVISED -

CITY OF JOLIET

INTERCONNECT SCHEMATIC (SHEET 4 OF 4)
IDOT SYSTEM 122

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	114
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			





JOLIET CTMS
FORMER ECON 121, 126

MODEL: Default
FILE NAME: C:\Shared\Jobs\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase 4\CADD\Sheet Files\Joliet ATMS-int-Interconnect Plan.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/3/2024	DATE - 4/2/24	REVISED -	

CITY OF JOLIET

INTERCONNECT PLAN
US RTE 52 (JEFFERSON STREET) – RAYNOR AVENUE TO CENTER STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	115
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		



N

JOLIET CTMS
FORMER ECON 121, 126

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-Interconnect Plan.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
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PLOT DATE = 4/3/2024	DATE - 4/2/24	REVISED -	

CITY OF JOLIET

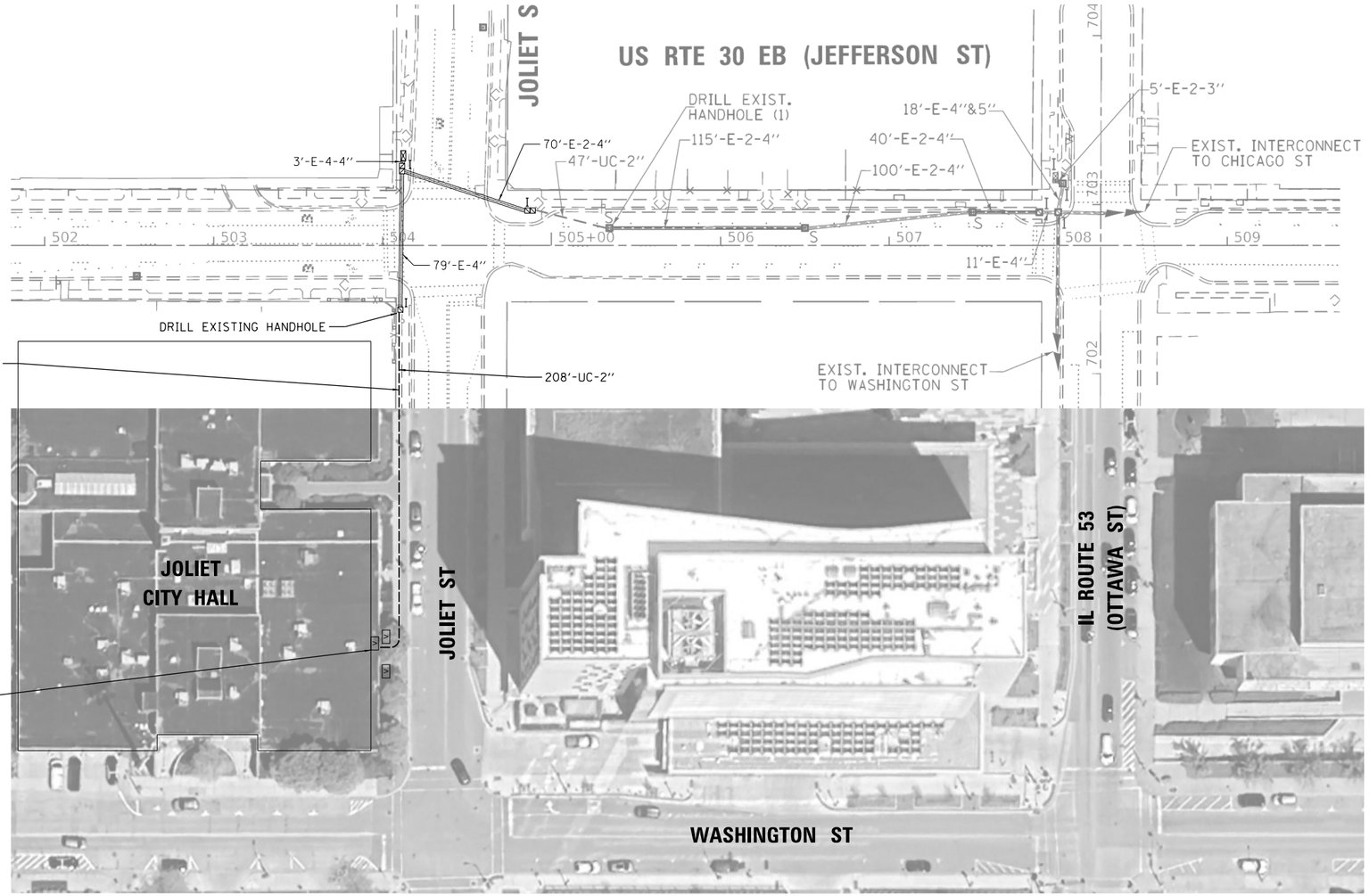
INTERCONNECT PLAN
US RTE 52 (JEFFERSON STREET) – RAYNOR AVENUE TO CENTER STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	116
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. LEAVE 500' OF FIBER COILED IN THE EXISTING COMMUNICATIONS VAULT. FIBER WILL BE PULLED INTO CITY HALL AND TERMINATED BY OTHERS.



JOLIET CTMS
FORMER ECON 121

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase 4\CADD\Sheet Files\Joliet ATMS-Int-Interconnect Plan.dgn

iteris

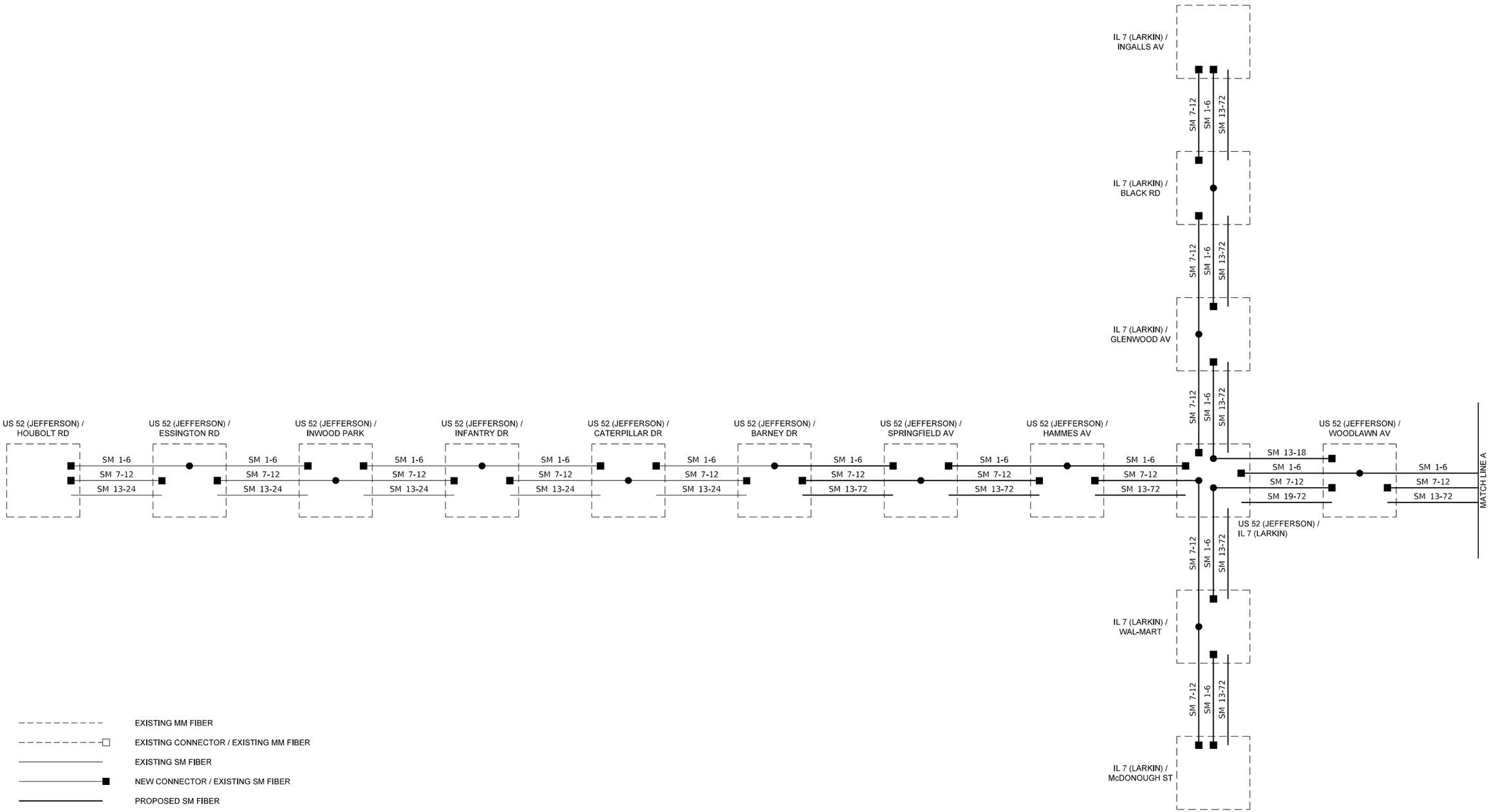
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PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

INTERCONNECT PLAN
JOLIET STREET – US RTE 30 (JEFFERSON STREET) TO CITY HALL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	117
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-int-FIBER SPLICING.dgn

iteris

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	DRAWN - BF	REVISED -
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PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -

CITY OF JOLIET

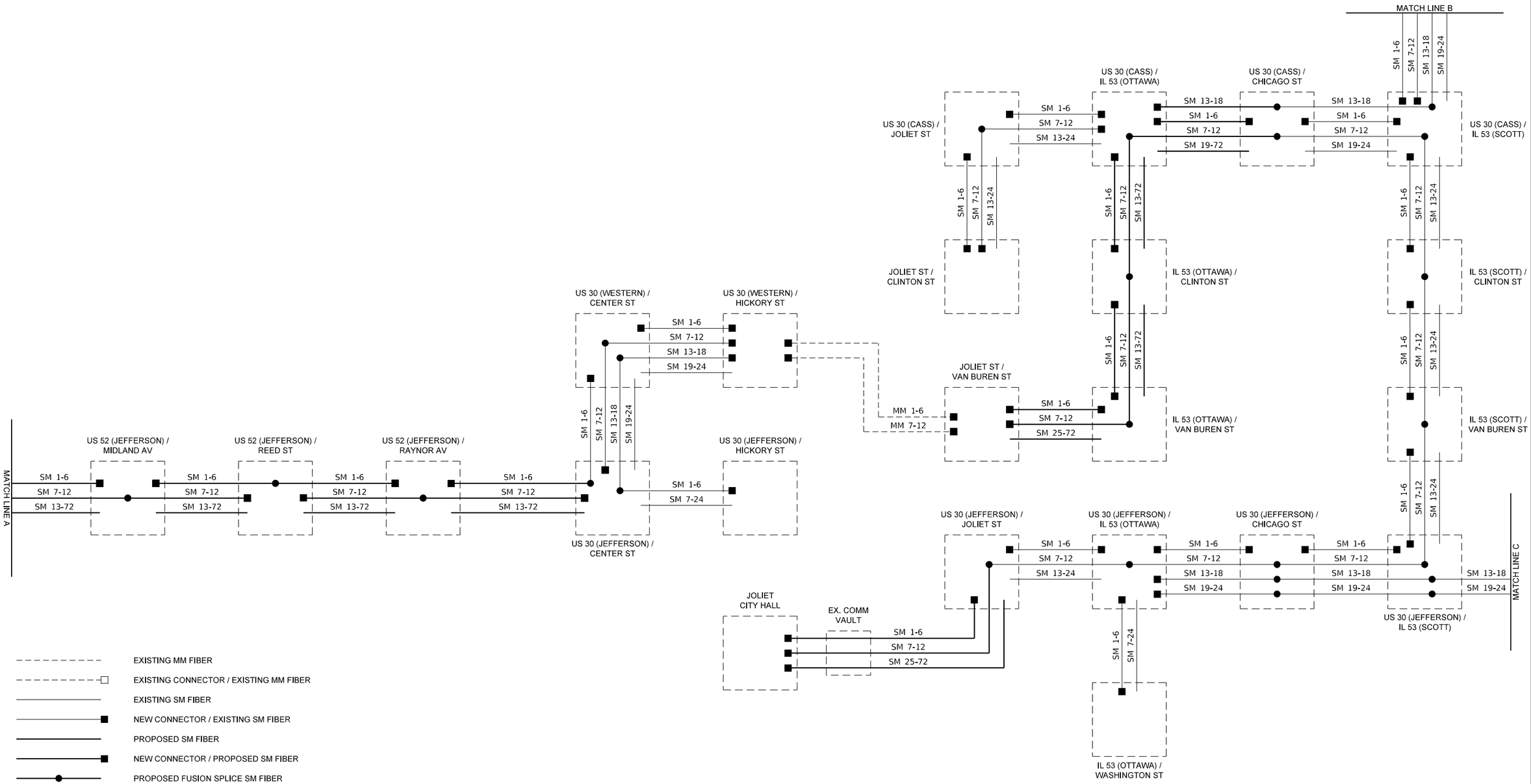
FIBER SPLICING DIAGRAM (SHEET 1 OF 3)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	118
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. FIBER TERMINATIONS IN CITY HALL TO BE COMPLETED BY OTHERS.



MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\1612 - Joliet CTMS Phase A\CAD\Sheet Files\Joliet ATMS-pnl-FIBER SPLICING.dgn

iteris

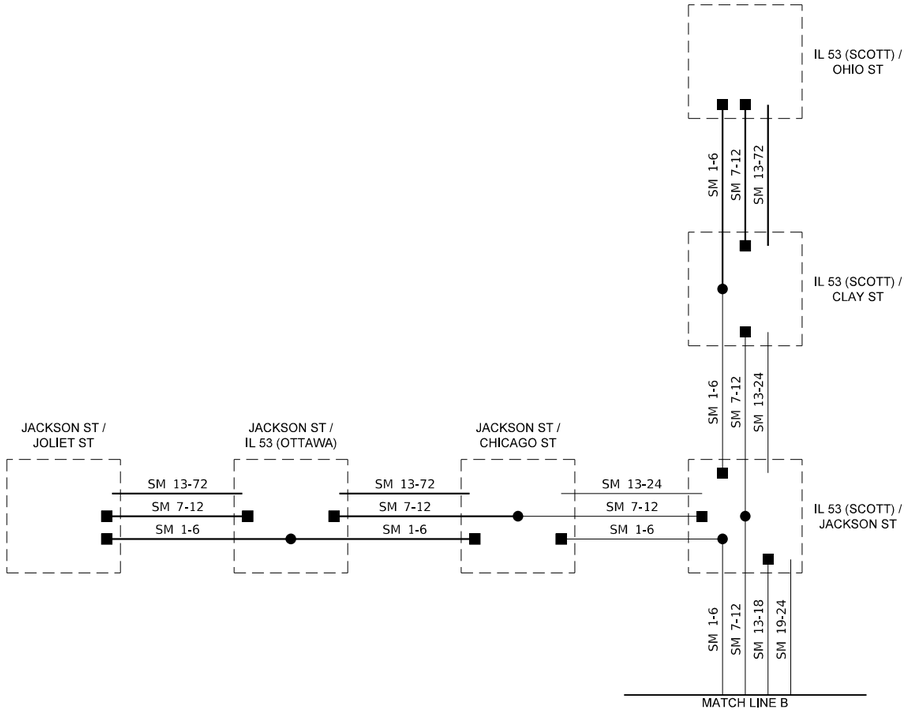
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	DRAWN - BF	REVISED -	
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PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

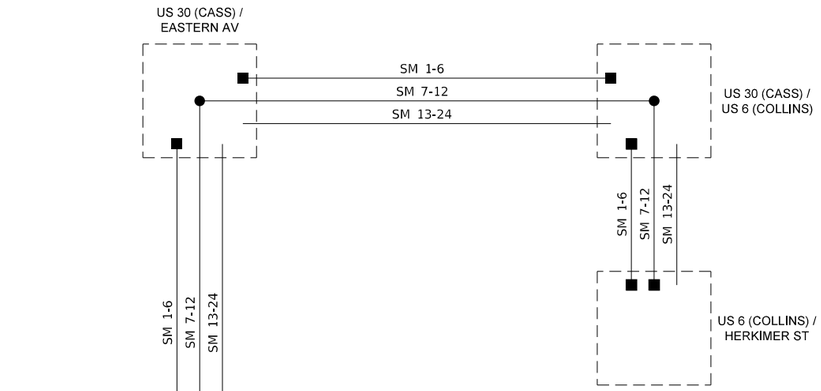
CITY OF JOLIET

FIBER SPLICING DIAGRAM (SHEET 2 OF 3)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	119
		CONTRACT NO. XXXXX		
		ILLINOIS	FED. AID PROJECT	





EXISTING MM FIBER

EXISTING CONNECTOR / EXISTING MM FIBER

EXISTING SM FIBER

NEW CONNECTOR / EXISTING SM FIBER

PROPOSED SM FIBER

NEW CONNECTOR / PROPOSED SM FIBER

PROPOSED FUSION SPLICE SM FIBER

MODEL: Default
FILE NAME: C:\Shareon\nt\TERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-sht-FIBER SPLICING.dgn

iteris

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	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

FIBER SPLICING DIAGRAM (SHEET 3 OF 3)

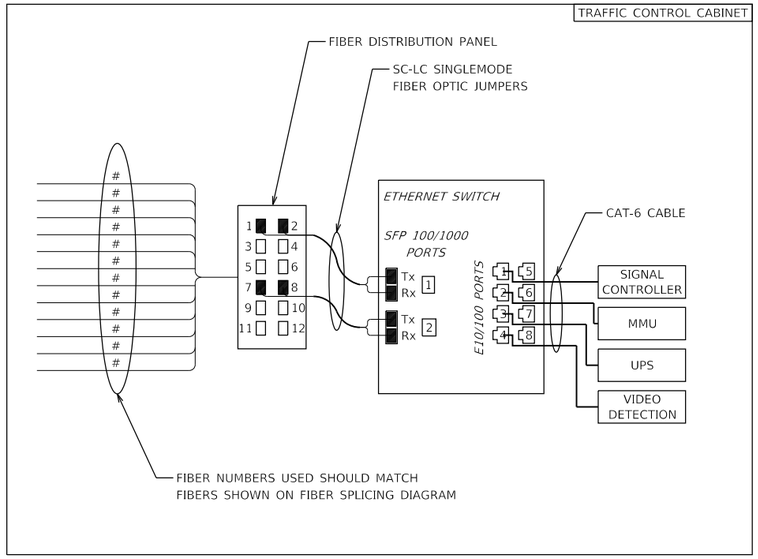
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	120
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		

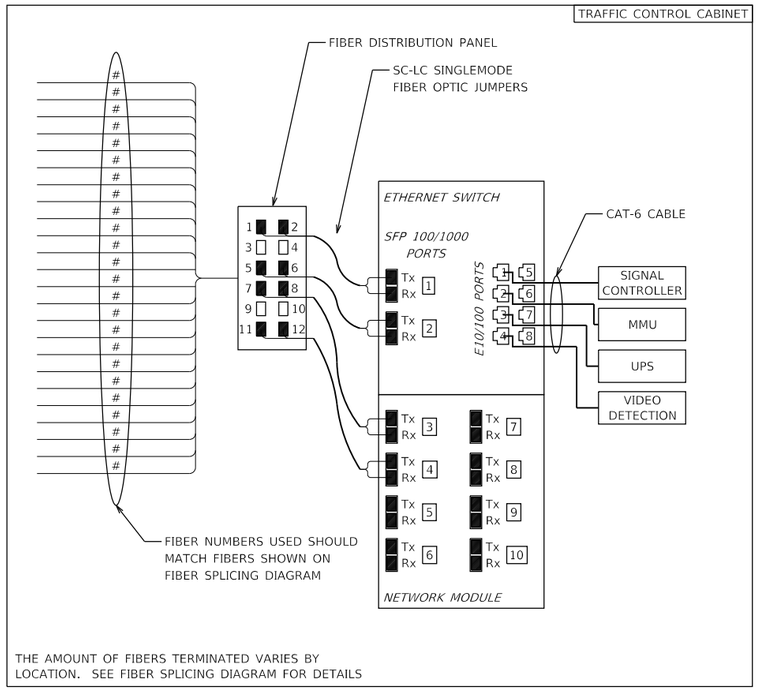
NOTES:

1. THE CONTRACTOR SHALL ENSURE MM SFP MODULES ARE USED FOR MULTIMODE FIBER LINKS. SFP MODULES TO BE SUPPLIED BY THE CITY.

2. MULTIMODE TERMINATIONS SHALL BE ST TYPE. SINGLEMODE TERMINATIONS SHALL BE SC TYPE. MULTIMODE FIBER PATCH CABLES SHALL BE ST-LC. SINGLEMODE FIBER PATCH CABLES SHALL BE SC-LC.



TYPICAL CABINET DETAIL
LAYER II SWITCH WITHOUT NETWORK EXPANSION MODULE



TYPICAL CABINET DETAIL
LAYER II SWITCH WITH NETWORK EXPANSION MODULE

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS-sht-FIBER SPLICING.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AG	REVISED -	
PLOT DATE = 4/16/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

FIBER TERMINATION DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	121
		CONTRACT NO. XXXXX		
	ILLINOIS	FED. AID PROJECT		



K & S ENGINEERS, INC.
SOIL TESTING AND FOUNDATION CONSULTANTS

BORING LOCATION PLAN
W JEFFERSON ST.
JOLIET, ILLINOIS

N
W E
S

Date: 11-20-2023 | **EXHIBIT 5**

Scale: Not to Scale | **File No. 13890**

Legend: B-/C- # ⊕ Approximate Boring/Core Location

CLIENT **City of Joliet**		LOG OF BORING NUMBER **B-4**	DES. NO.
PROJECT NAME **Pavement Cores & Rock/Soil Borings**			PROJECT NO. **13890**
SITE LOCATION **Various**	**Joliet, IL**	STRUCTURE NUMBER	Latitude / Longitude
BORING STARTED **11/6/2023**	RIG **Diedrich, D-50**	FILE NUMBER **13890**	⊕ CALIBRATED PENETROMETER, TONS/FT² ○ UNCONFINED COMPRESSIVE STRENGTH, TONS/FT²
BORING COMPLETED **11/6/2023**	FOREMAN **R. Perez**		

SURFACE ELEVATION **ft**

(METERS) STRATA DEPTH (FEET)	TEXTURAL CLASSIFICATION	DESCRIPTION OF MATERIAL	DEPTH (FEET)	SAMPLE TYPE	SAMPLE RECOVERY	SAMPLE NUMBER	DRY UNIT WEIGHT pcf (kg/m³)	BLOW COUNTS
0.5		6 inches - ASPHALT						
		Very stiff, dark brown CLAYEY TOPSOIL and GRAVEL	2.0	A		1		4-5-5 (10)
3.0		CRUSHED STONE, trace clay	4.0			2		
1						3		3-5-5 (10)
			6.0			4		5-5-7 (12)
8.0		Very stiff, brown, LEAN CLAY, trace sand, shale, and gravel	8.0			5		3-6-6 (12)
2			10.0					
3		- becoming hard; becomin gray	12.0			6		9-10-11 (21)
12.5		**End of Boring at 12.5 Feet**						

WATER CONTENT, % (0 10 20 30 40 50 60)

BLOW COUNTS (0 10 20 30 40 50 60)

▽ WATER LEVEL WHILE DRILLING = None observed

▼ WATER LEVEL AFTER DRILLING = None observed

REMARKS

SPLIT SPOON | SHELBY TUBE | A AUGER | ROCK CORE

+ PL - PLASTIC LIMIT | + LL - LIQUID LIMIT | γ_d - UNIT DRY WEIGHT

K & S ENGINEERS, INC.

BORING LOG 13890.GPJ 11-21-23

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS INC\Systems - Midwest - Active Projects\11612 - Joliet CTMS Phase A\CADD\Sheet Files\Joliet ATMS Soil Boring.dgn

iteris

USER NAME = bfunk	DESIGNED - BF	REVISED -	
	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AD	REVISED -	
PLOT DATE = 4/2/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

SOIL BORING LOGS
US ROUTE 52 (JEFFERSON ST) – RAYNOR AVE TO CENTER ST

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	122
		CONTRACT NO. XXXXX		
	ILLINOIS FED. AID PROJECT			

EXHIBIT 10
Sheet 1 of 1

CLIENT **City of Joliet**		LOG OF BORING NUMBER **B-5**	DES. NO.
PROJECT NAME **Pavement Cores & Rock/Soil Borings**			PROJECT NO. **13890**
SITE LOCATION **Various**	**Joliet, IL**	STRUCTURE NUMBER	Latitude / Longitude
BORING STARTED **11/6/2023**	RIG **Diedrich, D-50**	FILE NUMBER **13890**	⊕ CALIBRATED PENETROMETER, TONS/FT²
BORING COMPLETED **11/6/2023**	FOREMAN **R. Perez**		○ UNCONFINED COMPRESSIVE STRENGTH, TONS/FT²

SURFACE ELEVATION **ft**

(METERS) STRATA DEPTH (FEET)	TEXTURAL CLASSIFICATION	DESCRIPTION OF MATERIAL	DEPTH (FEET)	SAMPLE TYPE	SAMPLE RECOVERY	SAMPLE NUMBER	DRY UNIT WEIGHT pcf (kg/m³)
0.3		4 inches - ASPHALT					
		Very stiff, dark brown CLAYEY TOPSOIL and GRAVEL	2.0	A		1	
3.0		Hard, brown, LEAN CLAY, trace sand, shale, and gravel	4.0			3	
1			6.0			4	
2			8.0			5	
3		- becoming gray	10.0			6	
12.5		**End of Boring at 12.5 Feet**	12.0				

WATER CONTENT, % (0 10 20 30 40 50 60)
BLOW COUNTS (0 10 20 30 40 50 60)

3-5-5 (10)
3-7-8 (15)
3-7-8 (15)
6-7-7 (14)
6-9-9 (18)

WATER LEVEL WHILE DRILLING = None observed
WATER LEVEL AFTER DRILLING = None observed

REMARKS

SPLIT SPOON ■ SHELBY TUBE A AUGER ▨ ROCK CORE
+ PL - PLASTIC LIMIT + LL - LIQUID LIMIT γ_d - UNIT DRY WEIGHT

K & S ENGINEERS, INC.

BORING LOG 13890.GPJ 11-21-23

EXHIBIT 11
Sheet 1 of 1

CLIENT **City of Joliet**		LOG OF BORING NUMBER **B-6**	DES. NO.
PROJECT NAME **Pavement Cores & Rock/Soil Borings**			PROJECT NO. **13890**
SITE LOCATION **Various**	**Joliet, IL**	STRUCTURE NUMBER	Latitude / Longitude
BORING STARTED **11/6/2023**	RIG **Diedrich, D-50**	FILE NUMBER **13890**	⊕ CALIBRATED PENETROMETER, TONS/FT²
BORING COMPLETED **11/6/2023**	FOREMAN **R. Perez**		○ UNCONFINED COMPRESSIVE STRENGTH, TONS/FT²

SURFACE ELEVATION **ft**

(METERS) STRATA DEPTH (FEET)	TEXTURAL CLASSIFICATION	DESCRIPTION OF MATERIAL	DEPTH (FEET)	SAMPLE TYPE	SAMPLE RECOVERY	SAMPLE NUMBER	DRY UNIT WEIGHT pcf (kg/m³)
0.2		3 inches - ASPHALT					
		6 inches - CRUSHED STONE					
1.0		Dark brown CLAYEY TOPSOIL and GRAVEL	2.0	A		1	
3.0		Crushed Limestone	4.0			2	
1			6.0			3	
5.0		**Refusal at 5.0 feet**	8.0				
2			10.0				
3			12.0				

WATER CONTENT, % (0 10 20 30 40 50 60)
BLOW COUNTS (0 10 20 30 40 50 60)

5-5-7 (12)
4-7-4 (11)

WATER LEVEL WHILE DRILLING = None observed
WATER LEVEL AFTER DRILLING = None observed

REMARKS

SPLIT SPOON ■ SHELBY TUBE A AUGER ▨ ROCK CORE
+ PL - PLASTIC LIMIT + LL - LIQUID LIMIT γ_d - UNIT DRY WEIGHT

K & S ENGINEERS, INC.

BORING LOG 13890.GPJ 11-21-23

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iteris

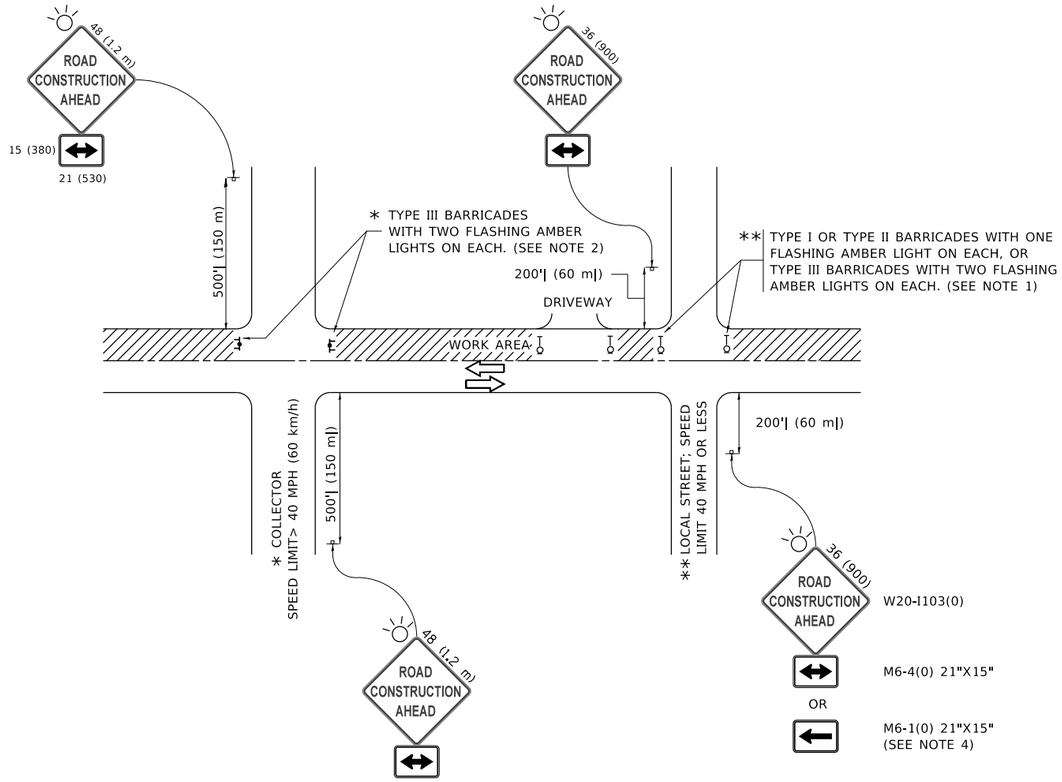
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	DRAWN - BF	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AD	REVISED -	
PLOT DATE = 4/2/2024	DATE - 2/28/24	REVISED -	

CITY OF JOLIET

SOIL BORING LOGS
US ROUTE 52 (JEFFERSON ST) – RAYNOR AVE TO CENTER ST

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	21-00546-01-TL	WILL	125	123
		CONTRACT NO. XXXXX		
	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.

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

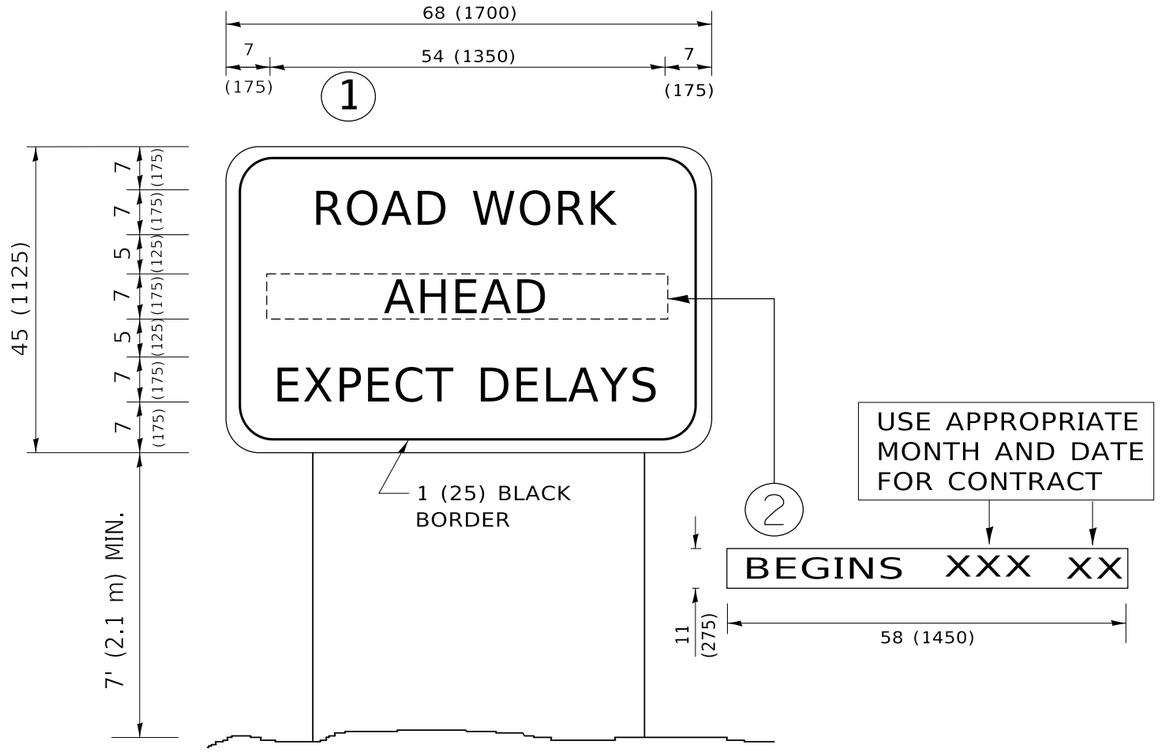
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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tc10.dgn 3/4/2019 10:27:07 AM User=footemj



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.

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

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

TC–22 CONTRACT NO.

ILLINOIS | FED. AID PROJECT

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tc22.dgn 3/4/2019 10:48:10 AM User=footemj