

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SANGAMON	12	1

• VARIOUS
 •• D-6 TRAFFIC SIGNAL MOD 2007-2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

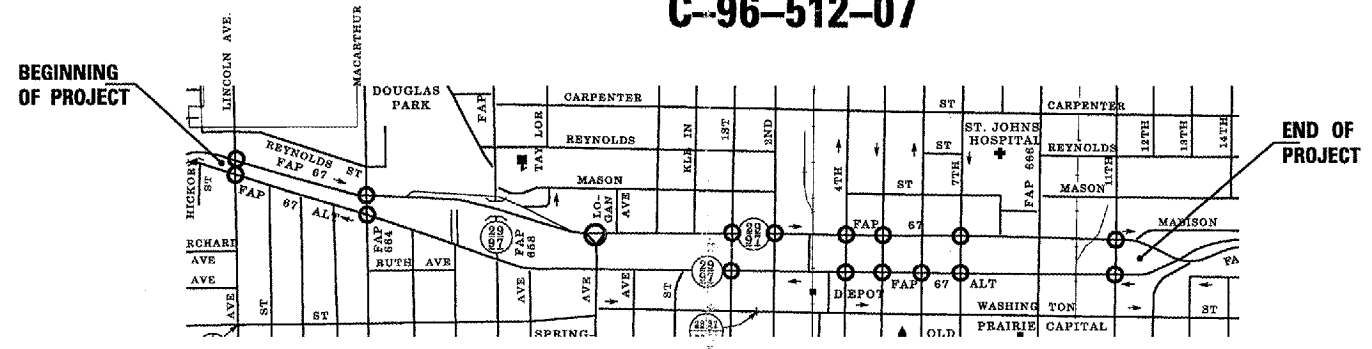
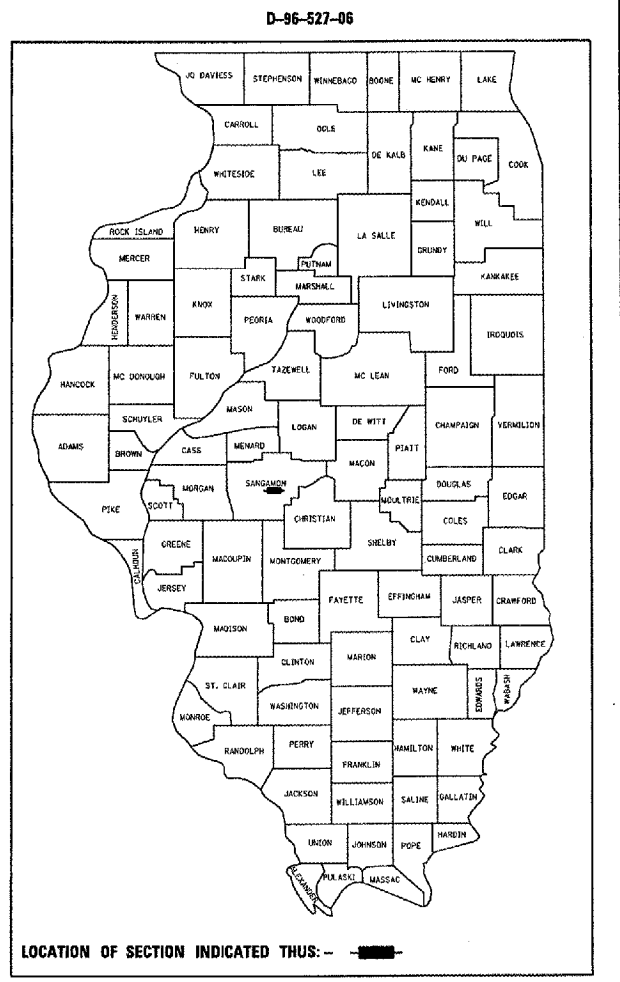
FAP ROUTE 67 (IL 29 & IL 97 /MADISON ST. & JEFFERSON ST.)
 FAP ROUTE 663 (STEVENSON DR.)
 D-6 TRAFFIC SIGNAL MOD 2007-2
 PROJECT: HSIP-0005(534)
 SANGAMON COUNTY
 C-96-512-07

INDEX OF SHEETS

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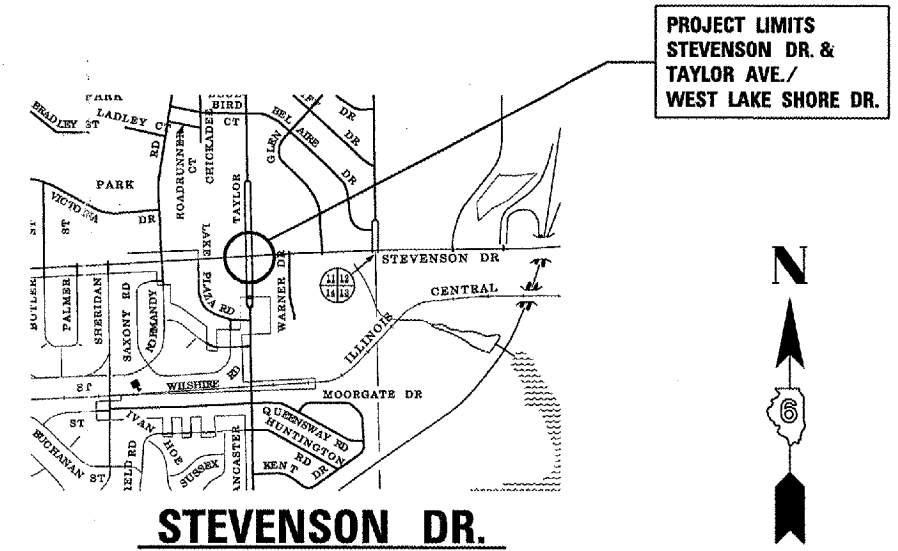
STANDARDS

000001-04	857001
701601-04	877001-02
701701-04	878001-05
701801-03	880006
702001-06	
780001-01	



MADISON ST./JEFFERSON ST. CORRIDOR

- DENOTES INTERSECTION INVOLVEMENT AT THESE LOCATIONS:
- MADISON ST. & LINCOLN AVE.
 - MADISON ST. & MACARTHUR
 - MADISON ST. & LOGAN AVE.
 - MADISON ST. & 1ST STREET
 - MADISON ST. & 2ND STREET
 - MADISON ST. & 4TH STREET
 - MADISON ST. & 5TH STREET
 - MADISON ST. & 7TH STREET
 - MADISON ST. & 11TH STREET
 - JEFFERSON ST. & LINCOLN AVE.
 - JEFFERSON ST. & MACARTHUR BL.
 - JEFFERSON ST. & 1ST STREET
 - JEFFERSON ST. & 4TH STREET
 - JEFFERSON ST. & 5TH STREET
 - JEFFERSON ST. & 6TH STREET
 - JEFFERSON ST. & 7TH STREET
 - JEFFERSON ST. & 11TH STREET



STEVENSON DR.

LOCATION MAP SPRINGFIELD, ILL



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

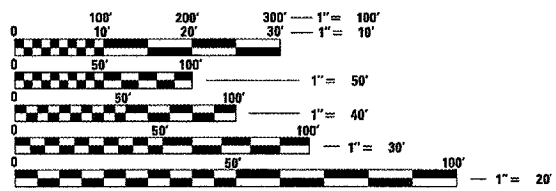
SUBMITTED *Dec 21 2006*
Chris M. Reed
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 2, 2007
Eric E. Hamrick
 ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2007
Milton R. Sewell, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
 SQUAD LEADER: KEN ANDERSON (217) 524-7546



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

CONTRACT NO. 72A53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SANGAMON	12	2
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2007-2				

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

MADISON AVE. AT LINCOLN AVE. MACARTHUR BLVD. LOGAN AVE 1ST, 2ND, 4TH, 5TH, 7TH & 11TH ST.

JEFFERSON ST. AT LINCOLN AVE. MACARTHUR BLVD. 1ST, 4TH, 5TH, 6TH, 7TH & 11TH ST.

STEVENSON DR. AT TAYOR AVE/ WEST LAKE SHORE DR.

90% FED 10% STATE

90% FED 10% STATE

90% FED 5% STATE 5% CITY

90% FED 10% STATE

CONSTRUCTION TYPE CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Y031-1F	Y031-1F	Y031-1F	SFTY-1D
* 42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	11		11		
* 44000600	SIDEWALK REMOVAL	SQ FT	17		17		
67100100	MOBILIZATION	L SUM	1	.25	.25	.5	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	.25	.25	.5	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	.25	.25	.5	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1		
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	303				303
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	36.5				36.5
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	26.4				26.4
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	72				72
78300100	PAVEMENT MARKING-REMOVAL	SQ FT	71.1				71.1
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	6		6		
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6		6		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	381	180	201		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	236.5		16	220.5	
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	16		16		
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1		
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5		13.5		
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	21	9	10	2	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	22	9	10	3	
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3		3		
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2		2		
89502110	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD, LED	EACH	2		2		
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	48		48		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1		
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1		
X0325469	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE	EACH	23	9	8	6	
XX003925	RELOCATE SIGN PANEL	EACH	21	9	10	2	

*SPECIALTY ITEMS

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

DISTRICT SIX

EXAMINED December 8 2006
Jan L. Hoars
OPERATIONS ENGINEER

EXAMINED DEC 5 2006
WRT
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED DECEMBER 5 2006
William E. Math
PROGRAM DEVELOPMENT ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP ROUTE 67
(IL 29 & IL 97 / MADISON ST. & JEFFERSON ST.)
FAP ROUTE 663 (STEVENSON DR.)
D-6 TRAFFIC SIGNAL MOD 2007-2
SANGAMON COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____

PLOT DATE = 12/12/2006
PLOT SCALE = 1/8" = 1'-0"
USER NAME = anderson

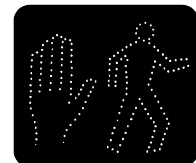
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SANGAMON	12	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		SIDEWALK REMOVAL IN SO M (SO FT)
		PC CONC SDWLK 100 mm IN SO M (SO YD)
		PC CONC SDWLK 100 mm SPECIAL IN SO M (SO YD)

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		200 mm (8") SIGNAL SECTION
		300 mm (12") SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		225 mm (9") PEDESTRIAN SIGNAL FACE
		300 mm (12") PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO DETECTION CAMERA
		EMERGENCY VEHICLE PREEMPTOR



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LEGEND FOR TRAFFIC SIGNAL DETAILS
 FAP ROUTE 67
 (IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
 FAP ROUTE 663 (STEVENSON DR.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SCALE: VERT. SANGAMON HORIZ. DRAWN BY KDA
 DATE NOV '06 CHECKED BY

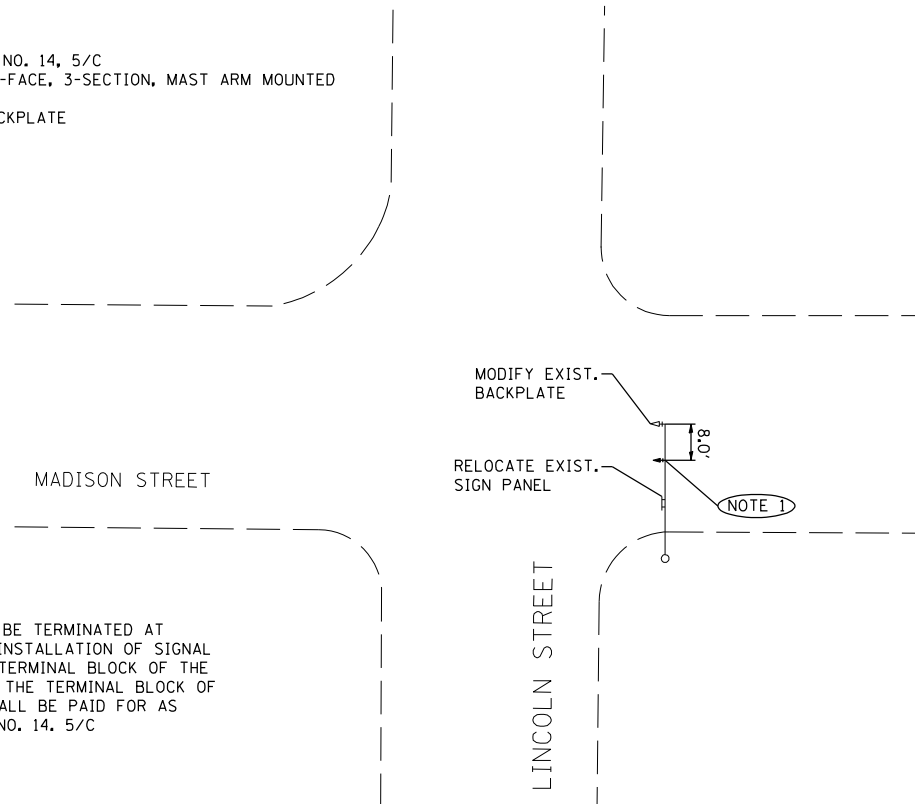
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 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SANGAMON	12	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL QUANTITIES

MADISON & LINCOLN

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

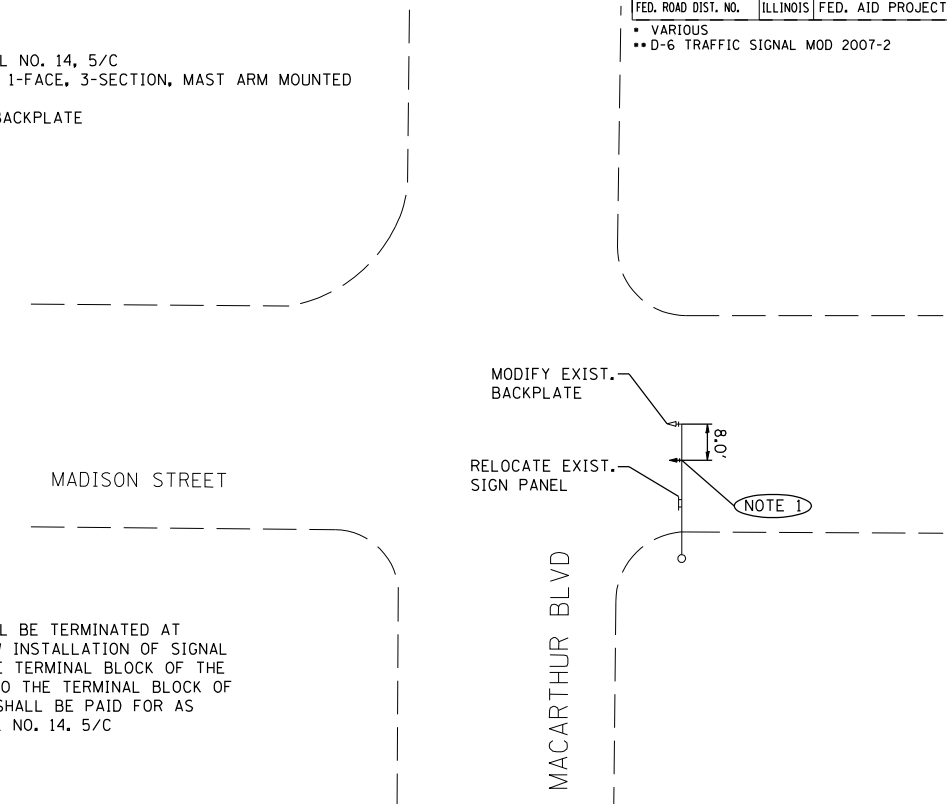


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

MADISON & MACARTHUR

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

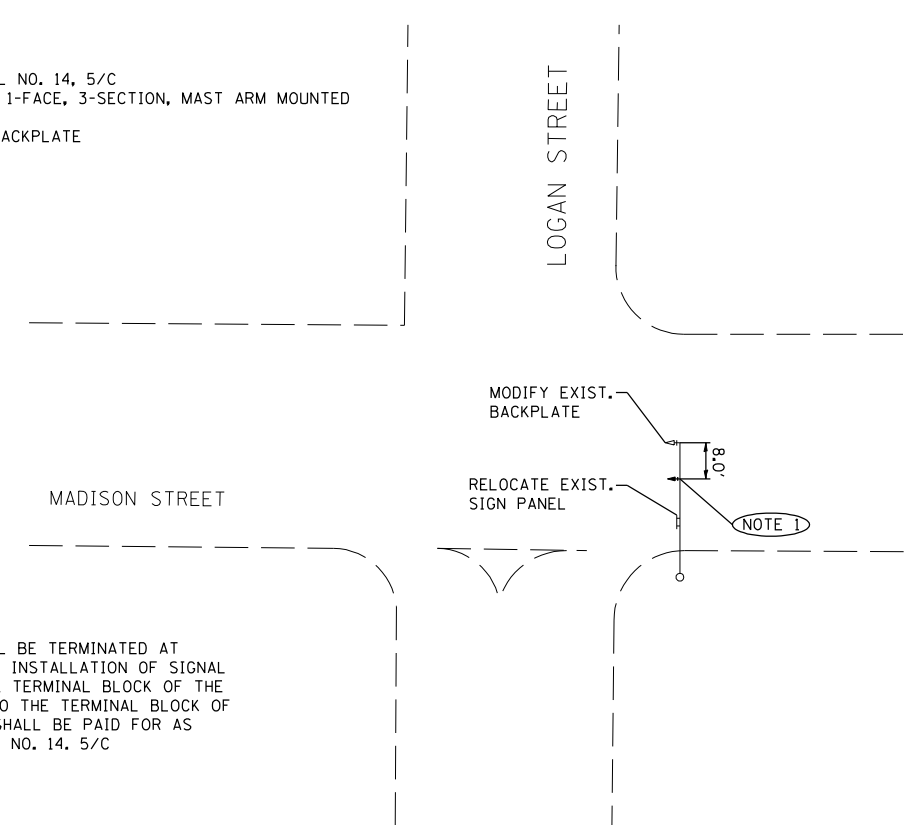


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

MADISON & LINCOLN

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL



NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
 FAP ROUTE 67
 (IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE NOV '06

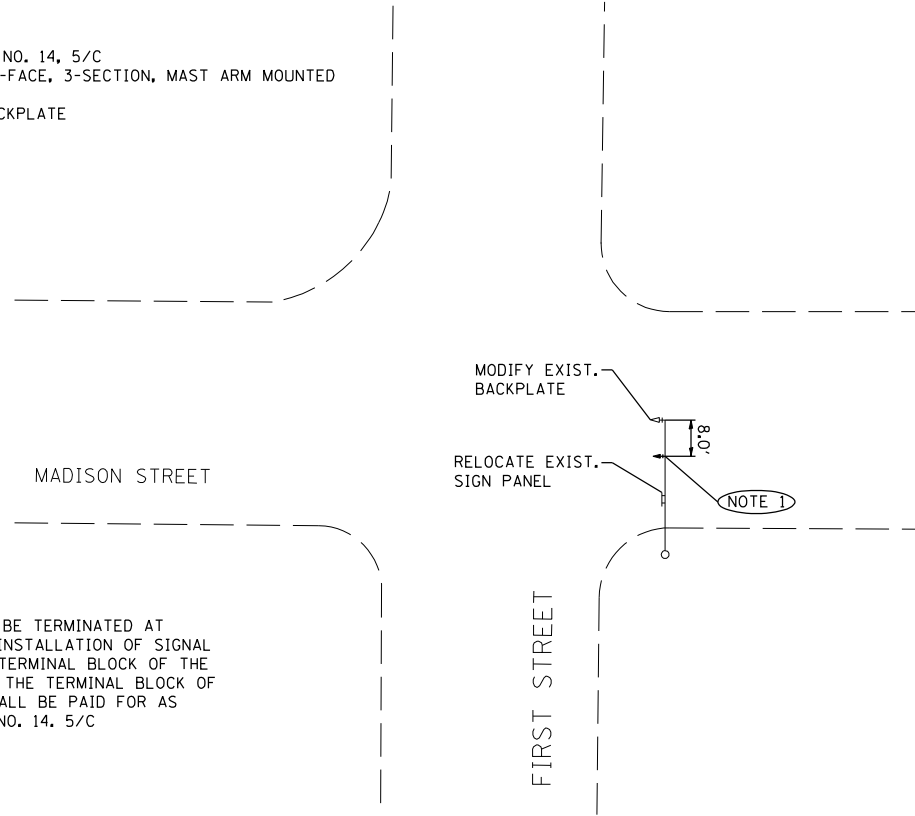
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SANGAMON	12	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL QUANTITIES

MADISON & FIRST

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

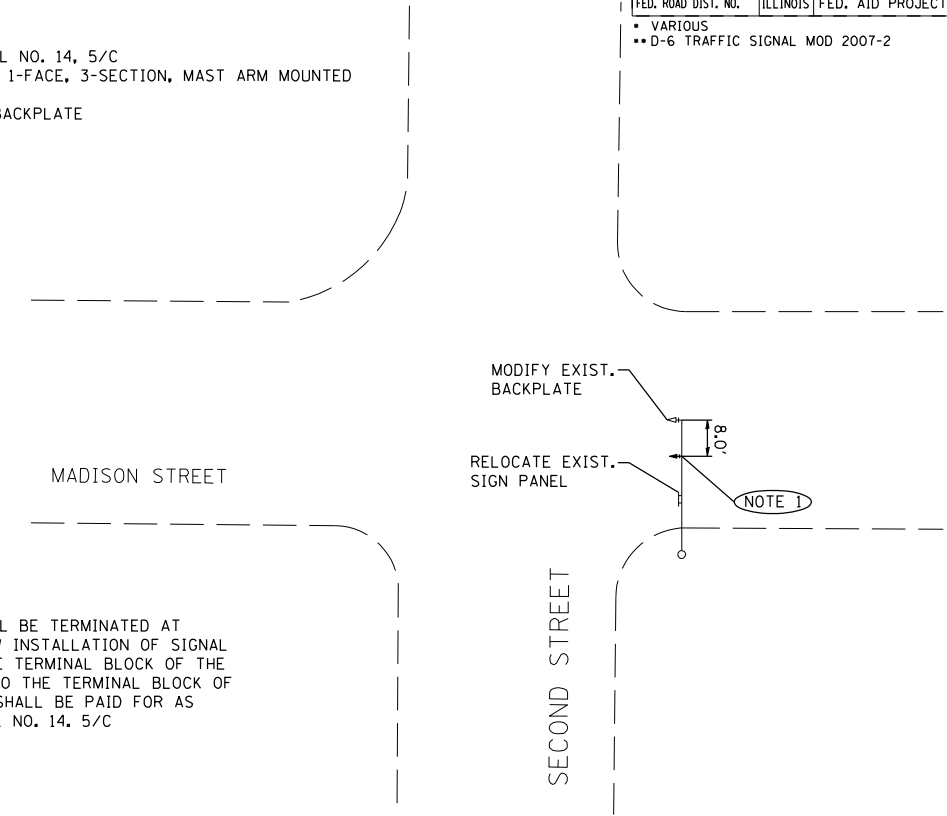


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

MADISON & SECOND

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

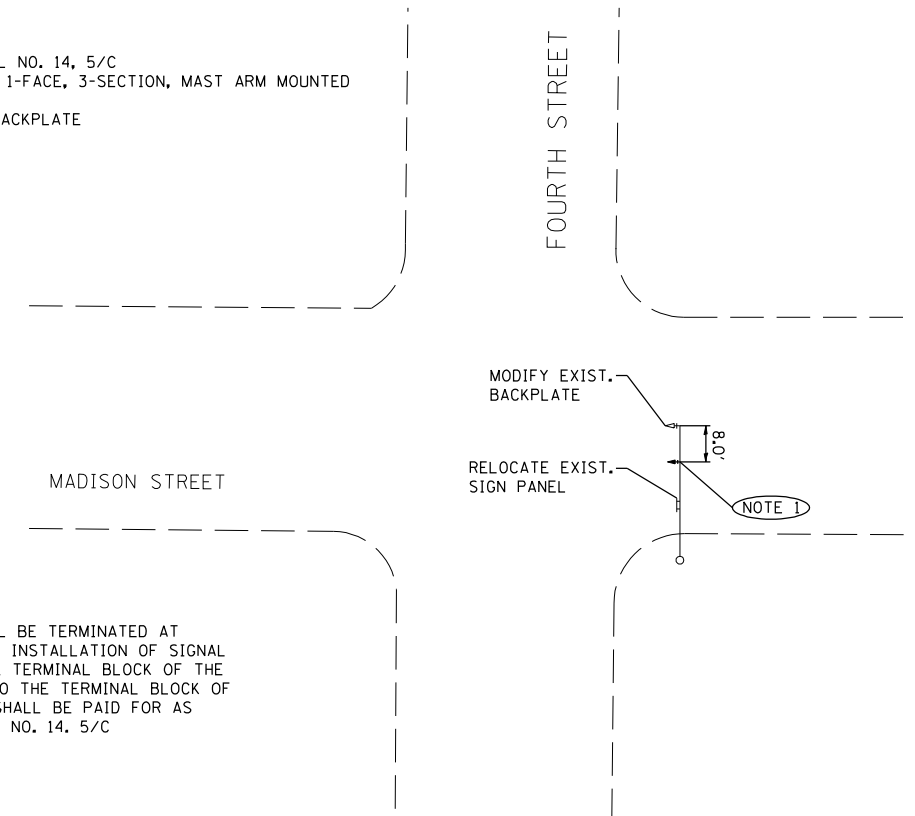


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

MADISON & FOURTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL



NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
 FAP ROUTE 67
 (IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT. DRAWN BY KDA
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 DATE NOV '06 CHECKED BY

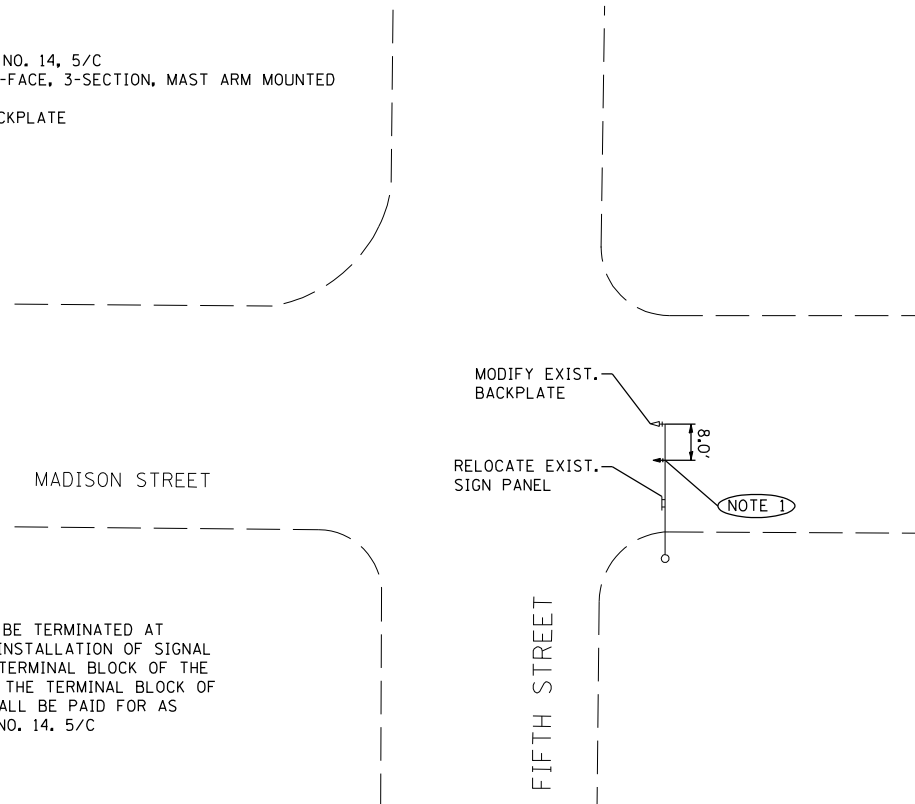
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SANGAMON	12	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL QUANTITIES

MADISON & FIFTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

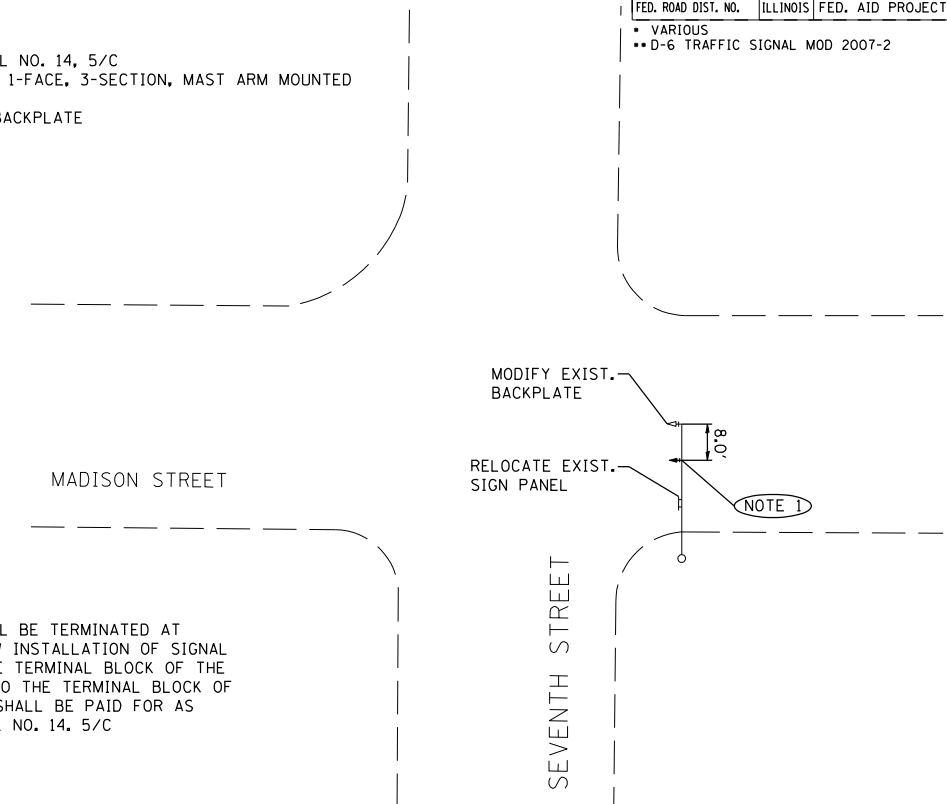


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

MADISON & SEVENTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

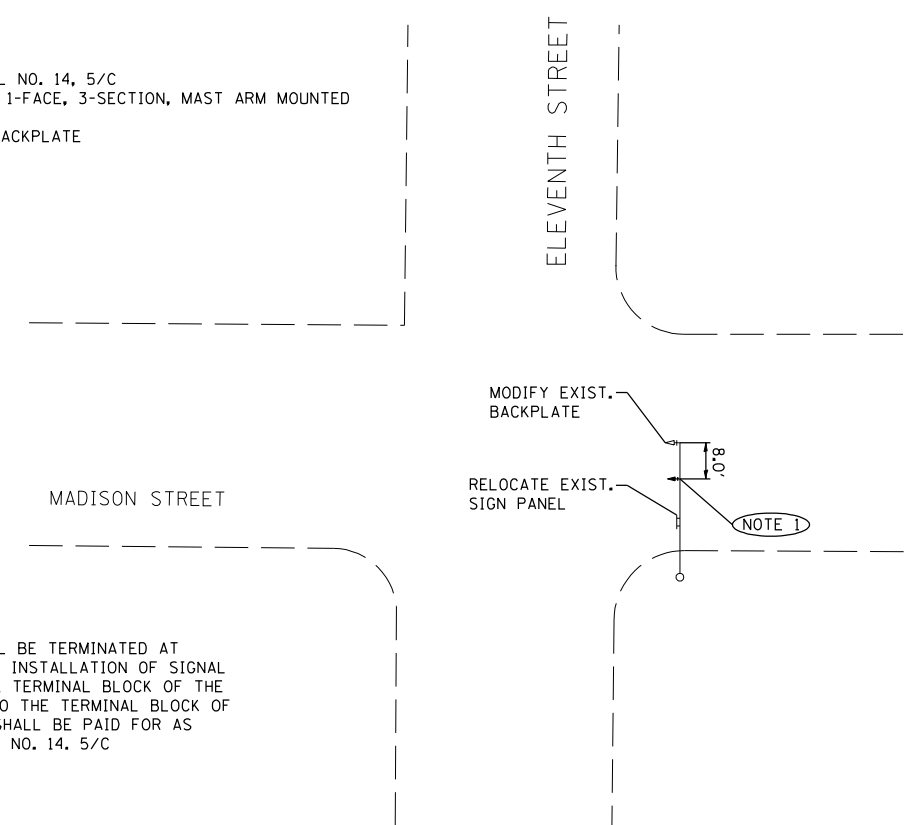


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

MADISON & ELEVENTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL



NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
 FAP ROUTE 67
 (IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE NOV '06

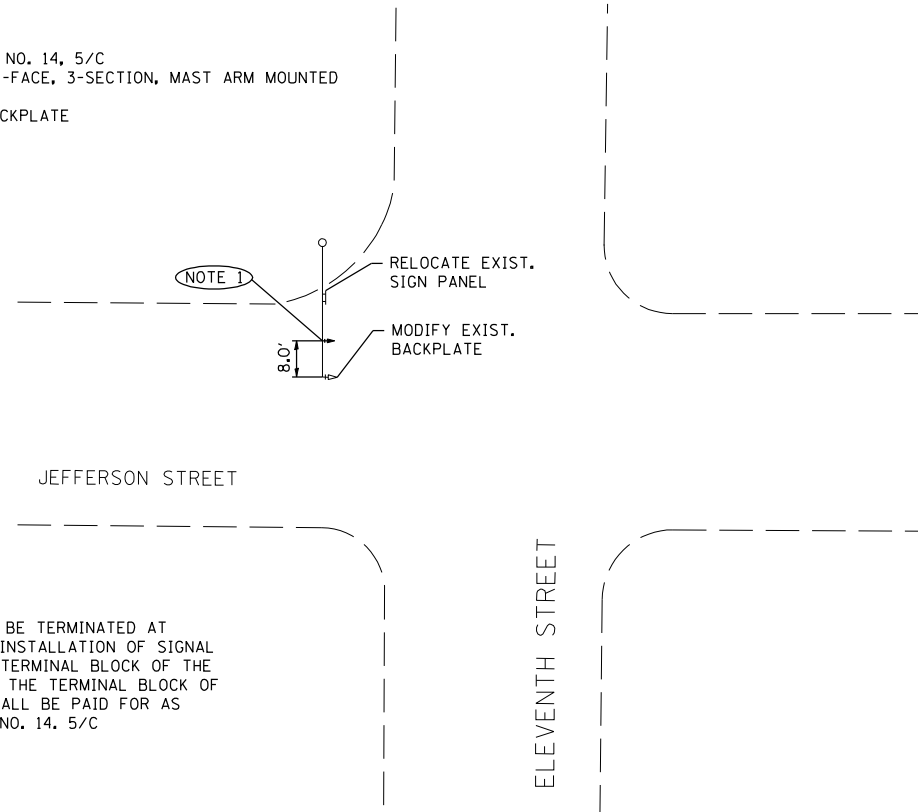
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 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7	**	SANGAMON	12	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS ** D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & ELEVENTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

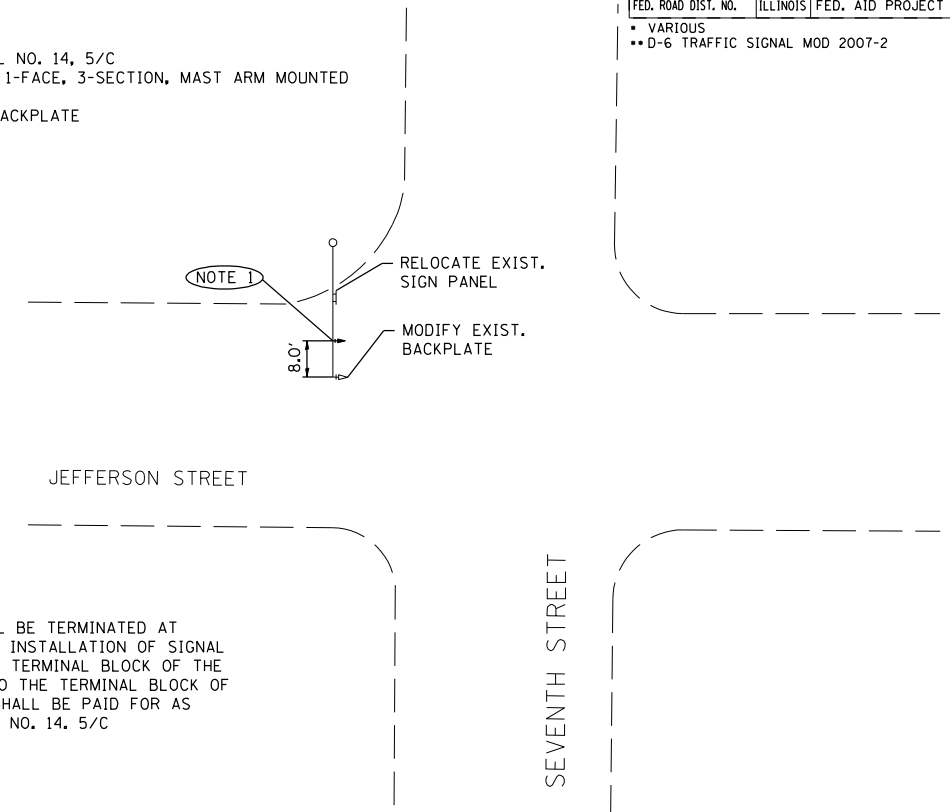


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & SEVENTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

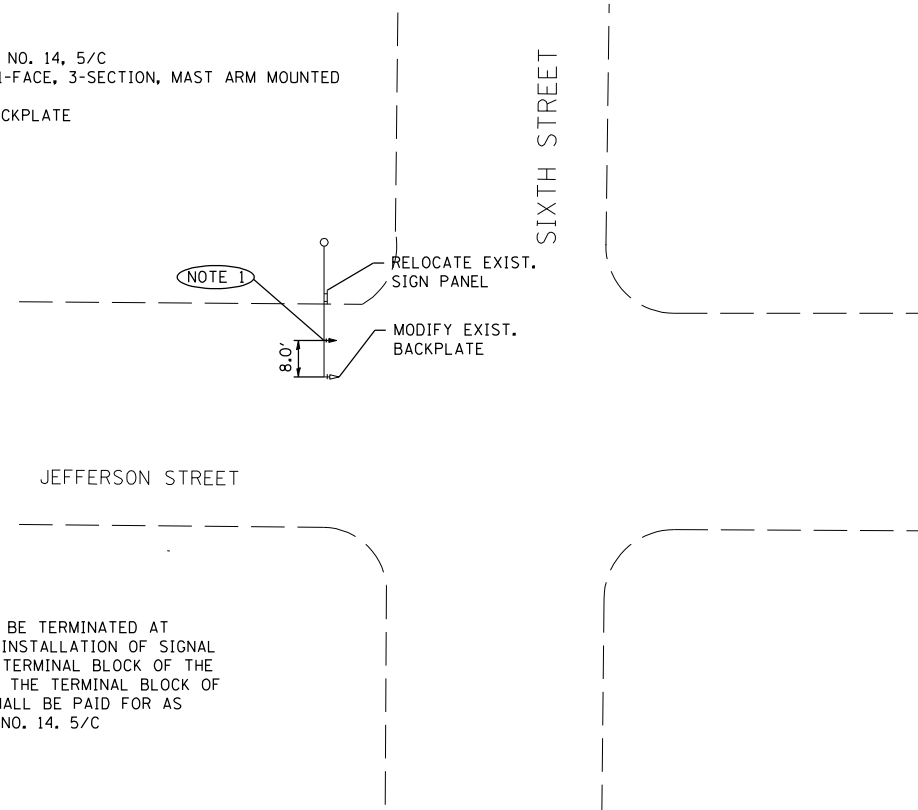


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & SIXTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL



NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
 FAP ROUTE 67
 (IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT. DRAWN BY KDA
 HORIZ.
 DATE: NOV '06 CHECKED BY

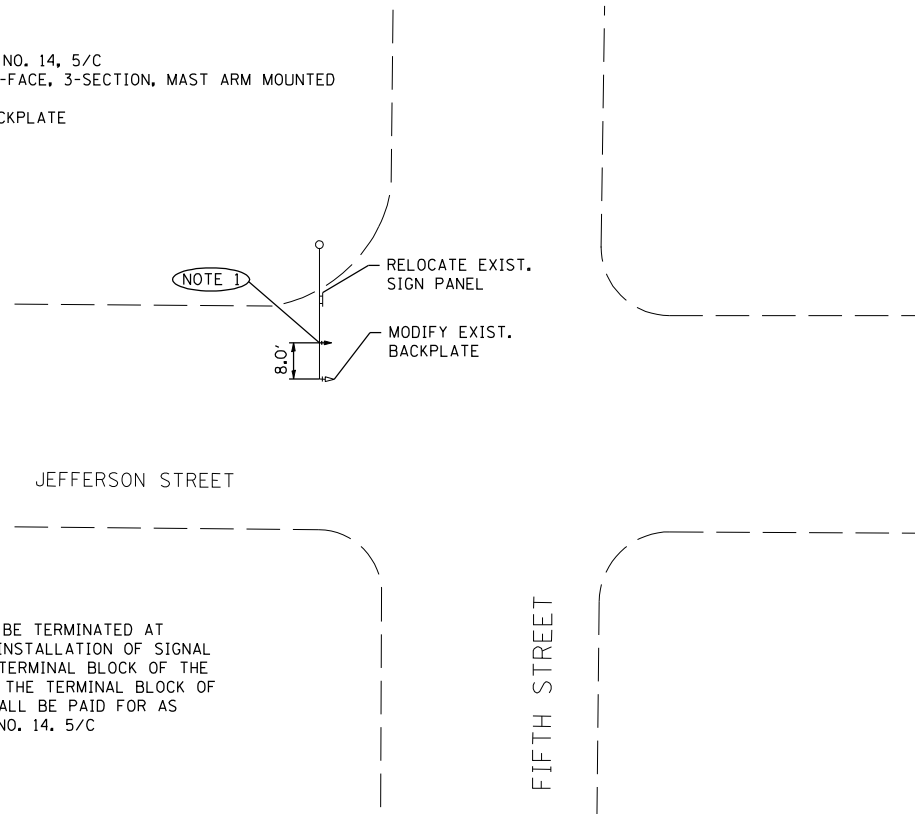
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 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SANGMAON	12	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & FIFTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

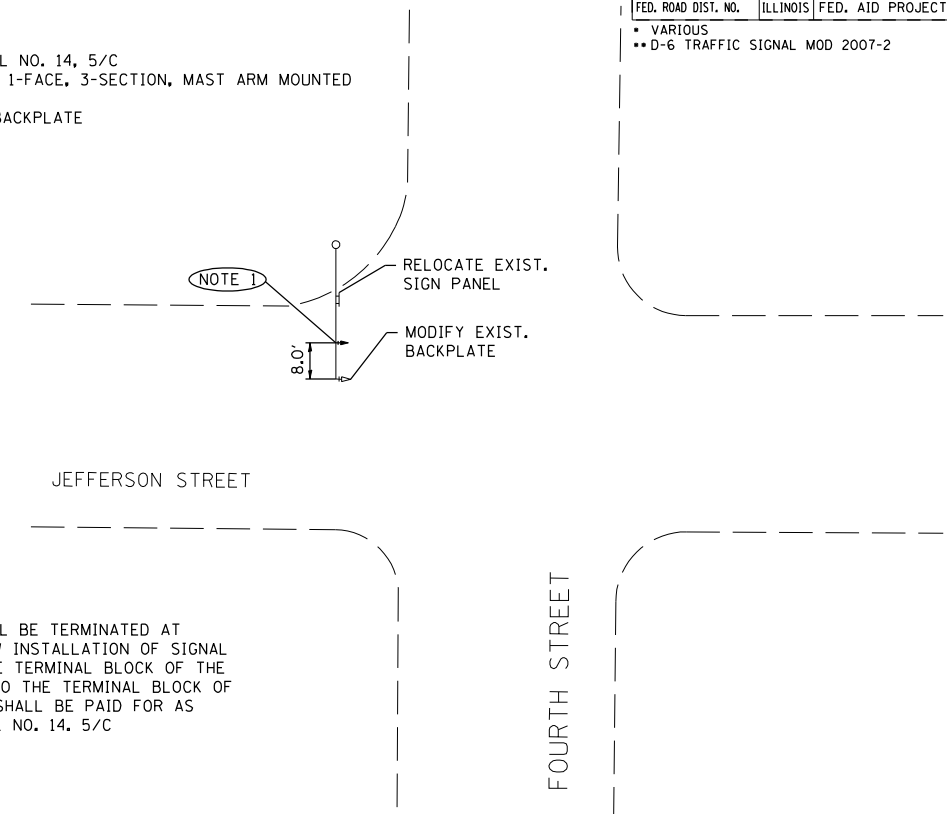


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & FOURTH

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL



NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

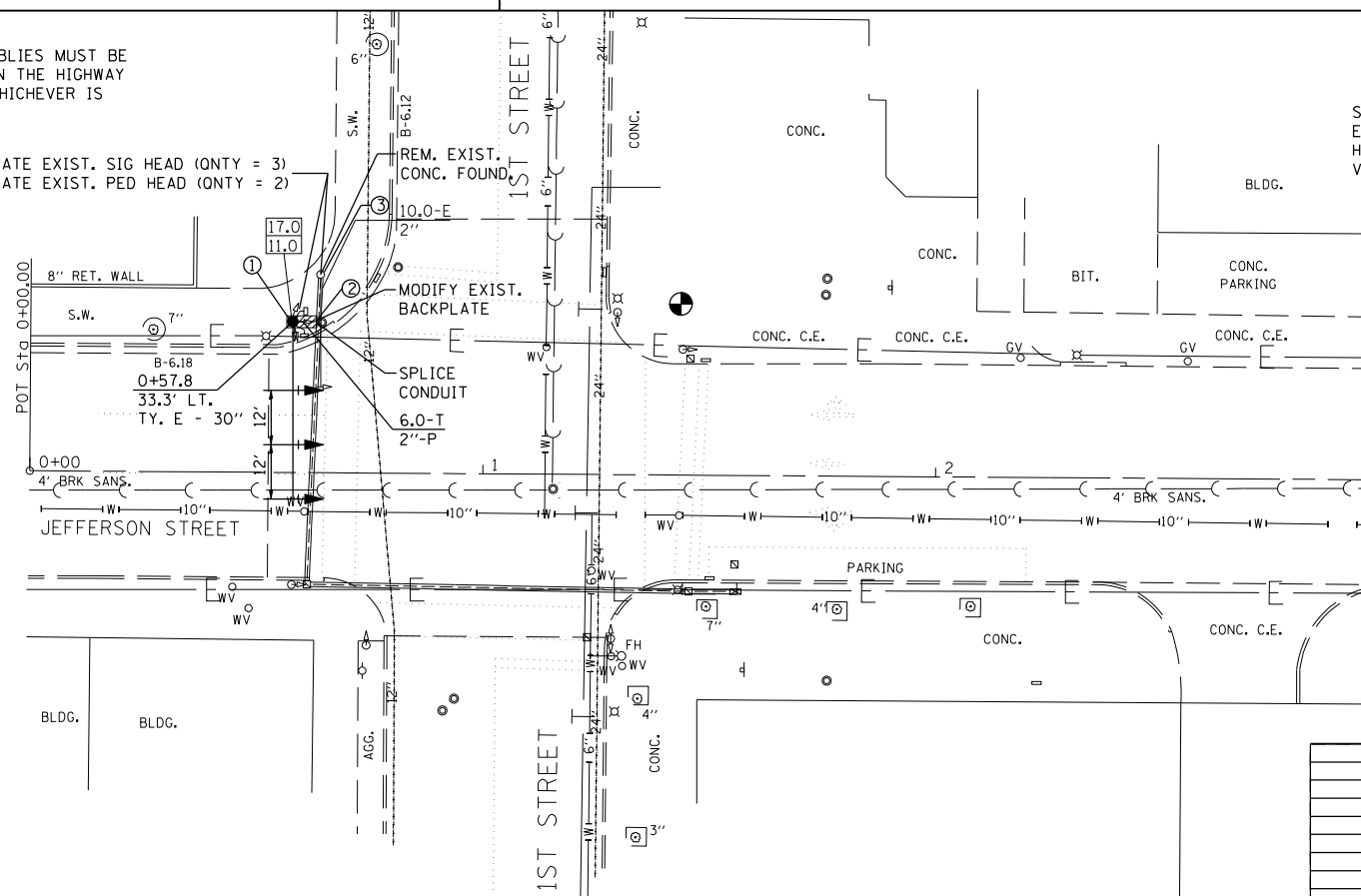
TRAFFIC SIGNAL QUANTITIES

JEFFERSON & FIRST

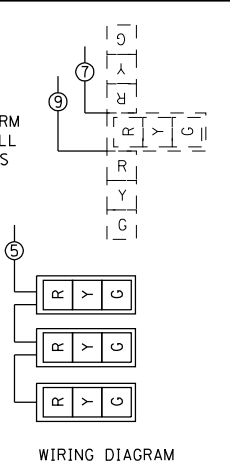
QNTY	UNIT	ITEM
11.0	SO FT	PORTLAND CEMENT CONCRETE SIDEWALK, 4"
17.0	SO FT	SIDEWALK REMOVAL
6.0	FOOT	CONDUIT IN TRENCH, 2", PVC
6.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
61.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
16.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7/C
16.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 9/C
1	EACH	STEEL MAST ARM AND POLE, 38 FT.
13.5	FOOT	CONCRETE FOUNDATION, TYPE E, 30" DIAMETER
3	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
3	EACH	TRAFFIC SIGNAL BACKPLATE
3	EACH	RELOCATE EXISTING SIGNAL HEAD
2	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
2	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD, L.E.D.
48.0	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
3	EACH	RELOCATE SIGN PANEL

ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS WHICHEVER IS GREATER

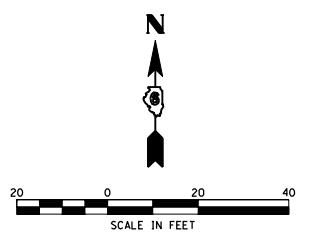
RELOCATE EXIST. SIG HEAD (QNTY = 3)
RELOCATE EXIST. PED HEAD (QNTY = 2)



SPLICE PROPOSED CABLES TO EXISTING CABLES AT MAST ARM HANDHOLE. CONTRACTOR SHALL VERIFY EXISTING CABLE SIZES



WIRING DIAGRAM



NOTE 1: REMOVE AND REINSTALL EXISTING TRAFFIC SIGNAL CABLES FROM EXISTING MAST ARM TO PROPOSED MAST ARM HANDHOLE. SPLICE PROPOSED SIGNAL CABLES TO EXISTING CABLES AT MAST ARM HANDHOLE

NOTE 2: CONTRACTOR SHALL FIELD VERIFY THE EXISTING CABLE AND CONDUIT SIZES FOR SPLICING PURPOSES FOR THE EXISTING MAST ARM TO BE REMOVED

NOTE 3: RELOCATE EXISTING STREET NAME SIGN AND (2) ONE-WAY SIGNS TO PROPOSED MAST ARM.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

- 1.) MAST ARM ASSEMBLY AND POLE
- 2.) SIGNAL HEAD

ALL REMOVED EQUIPMENT SHALL BE RETURNED TO THE CITY OF SPRINGFIELD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
FAP ROUTE 67
(IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
D-6 TRAFFIC SIGNAL MOD 2007-02
SANGAMON

SCALE: VERT. NOV '06
HORIZ. NOV '06
DRAWN BY: KDA
CHECKED BY:

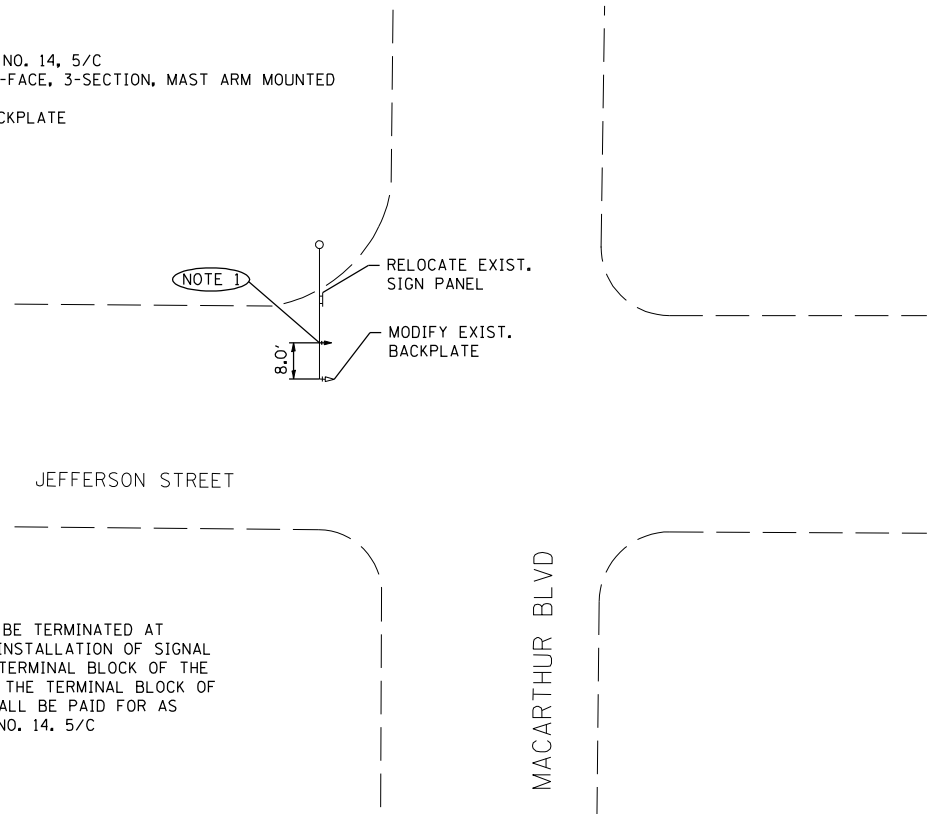
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USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SANGAMON	12	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2007-2				

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & MACARTHUR

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL

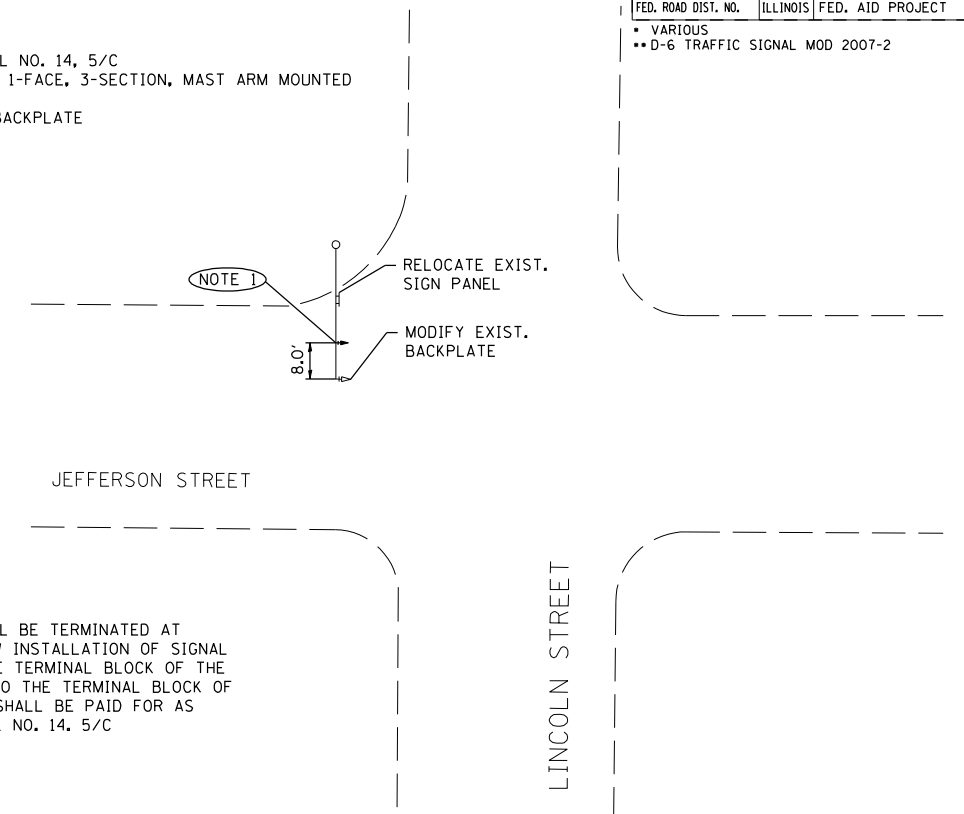


NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

TRAFFIC SIGNAL QUANTITIES

JEFFERSON & LINCOLN

QNTY	UNIT	ITEM
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
1	EACH	RELOCATE SIGN PANEL



NOTE 1: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5/C

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
 FAP ROUTE 67
 (IL 29 & IL97 / MADISON ST. & JEFFERSON ST.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

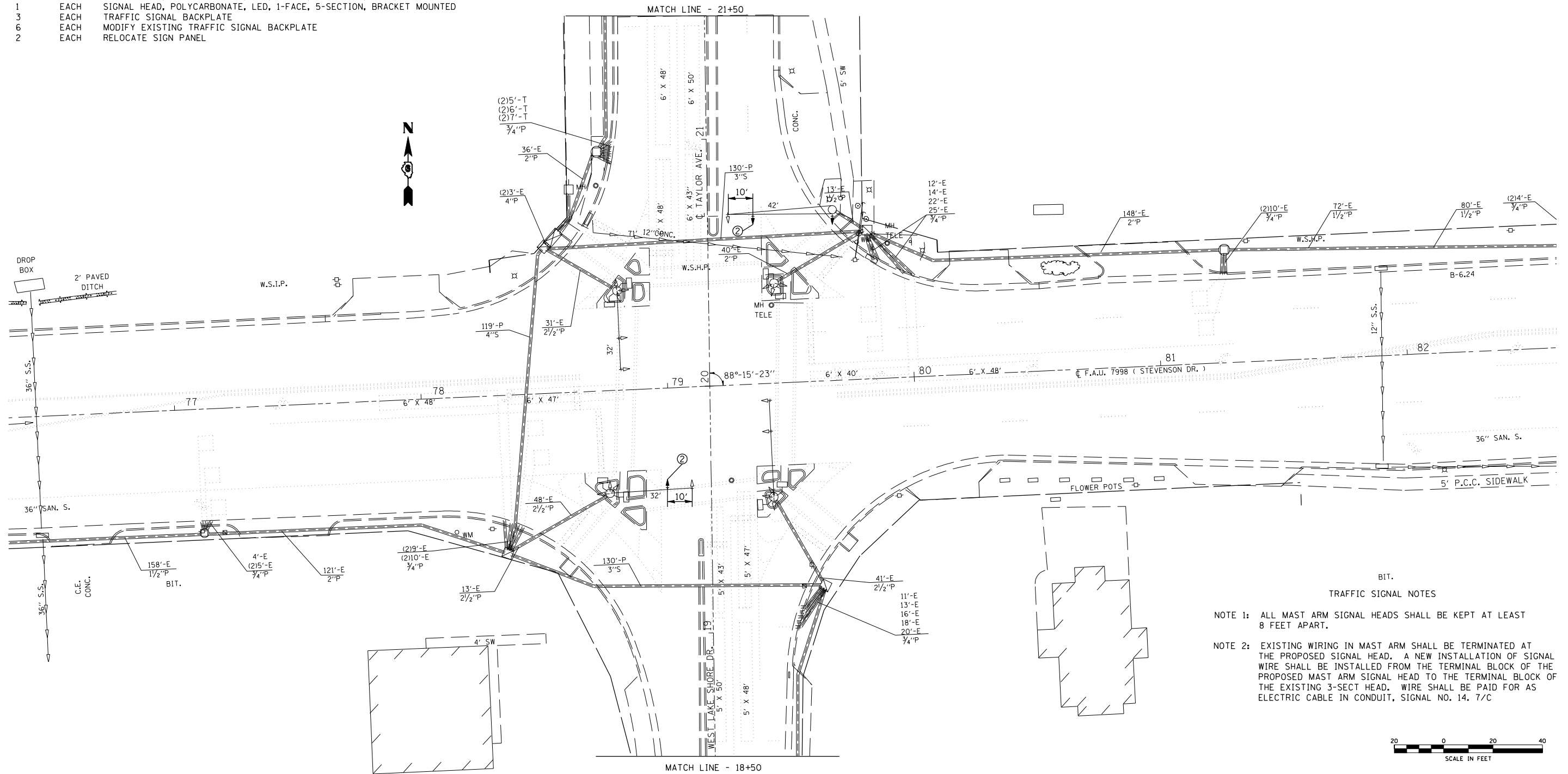
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 HORIZ. CHECKED BY
 DATE NOV '06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SANGAMON	12	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2007-2				

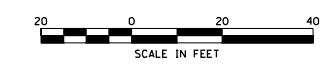
TRAFFIC SIGNAL QUANTITIES

STEVENSON & TAYLOR

QNTY	UNIT	ITEM
220.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7/C
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
3	EACH	TRAFFIC SIGNAL BACKPLATE
6	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
2	EACH	RELOCATE SIGN PANEL



BIT.
 TRAFFIC SIGNAL NOTES
 NOTE 1: ALL MAST ARM SIGNAL HEADS SHALL BE KEPT AT LEAST 8 FEET APART.
 NOTE 2: EXISTING WIRING IN MAST ARM SHALL BE TERMINATED AT THE PROPOSED SIGNAL HEAD. A NEW INSTALLATION OF SIGNAL WIRE SHALL BE INSTALLED FROM THE TERMINAL BLOCK OF THE PROPOSED MAST ARM SIGNAL HEAD TO THE TERMINAL BLOCK OF THE EXISTING 3-SECT HEAD. WIRE SHALL BE PAID FOR AS ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7/C



REVISIONS		NAME	DATE
NO.	DESCRIPTION		

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
 FAP ROUTE 663 (STEVENSON DR.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT. _____
 HORIZ. _____
 DATE: NOV '06

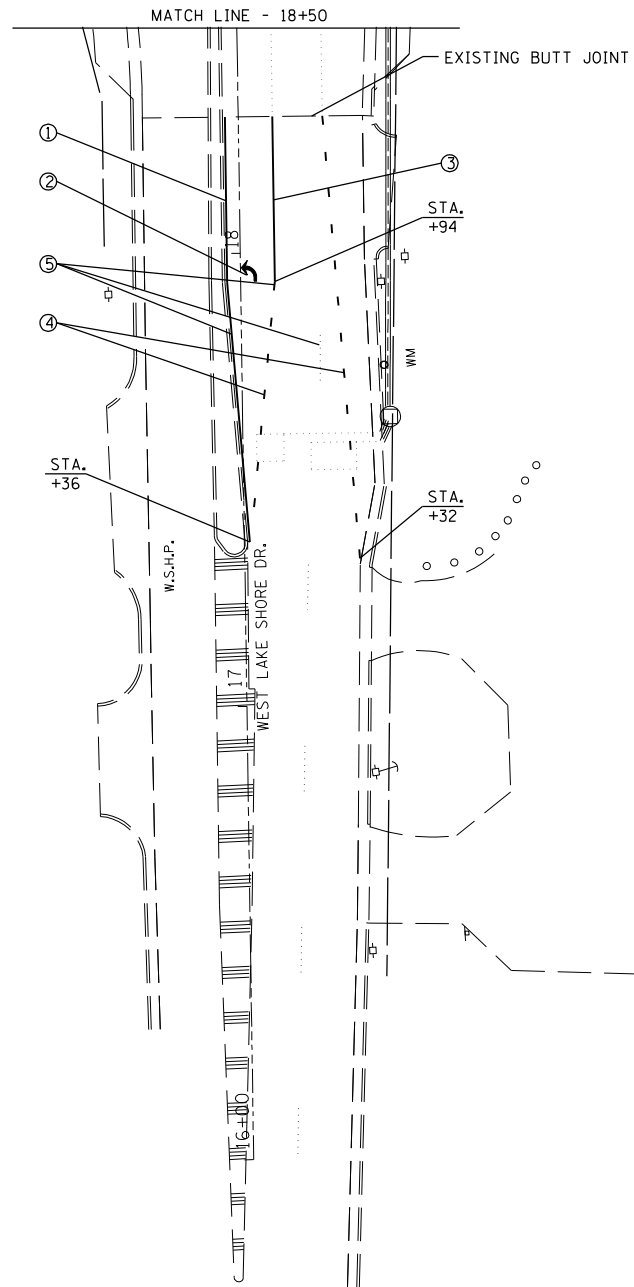
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 USER NAME = laughlinr1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SANGAMON	12	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2007-2				

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LETTERS AND SYMBOLS (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ④ PREFORMED PLASTIC PAVEMENT MARKING - LINE 6" - TYPE B (WHITE)
- ⑤ PAVEMENT MARKING REMOVAL
 - 5" YELLOW MEDIAN LINE (94 FT.)
 - 5" WHITE EDGE LINE (36 FT.)
 - 5" WHITE SKIP DASH (10 FT.)



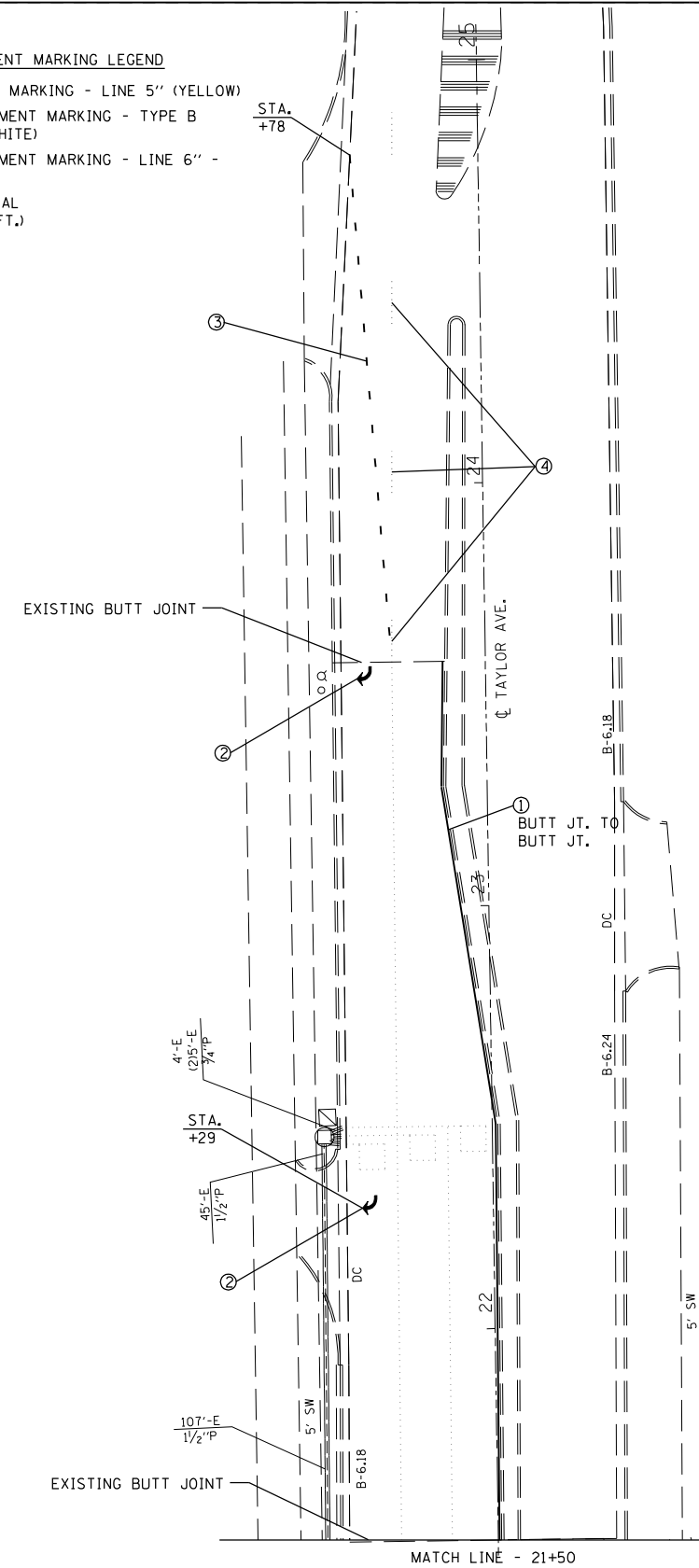
PAVEMENT MARKING QUANTITIES

STEVENSON & TAYLOR

QNTY	UNIT	ITEM
94.0	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 5"
36.5	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
8.8	SO FT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS
42.0	FOOT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"
58.5	SO FT	PAVEMENT MARKING REMOVAL

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE B LETTERS AND SYMBOLS (WHITE)
- ③ PREFORMED PLASTIC PAVEMENT MARKING - LINE 6" - TYPE B (WHITE)
- ④ PAVEMENT MARKING REMOVAL
 - 5" WHITE SKIP DASH (10 FT.)



PAVEMENT MARKING QUANTITIES

STEVENSON & TAYLOR

QNTY	UNIT	ITEM
209.0	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 5"
17.6	SO FT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS
30.0	FOOT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"
12.6	SO FT	PAVEMENT MARKING REMOVAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
 FAP ROUTE 663 (STEVENSON DR.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT.
 HORIZ.
 DATE: NOV '06

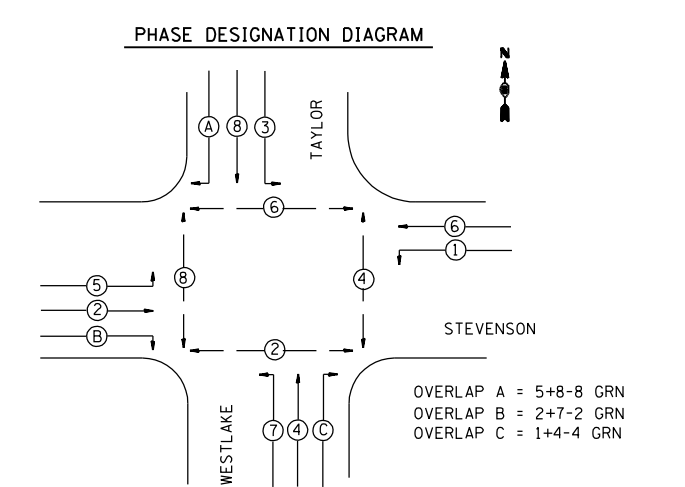
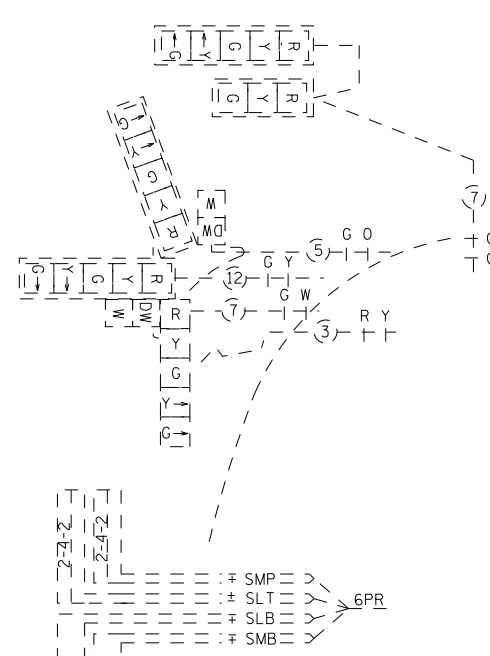
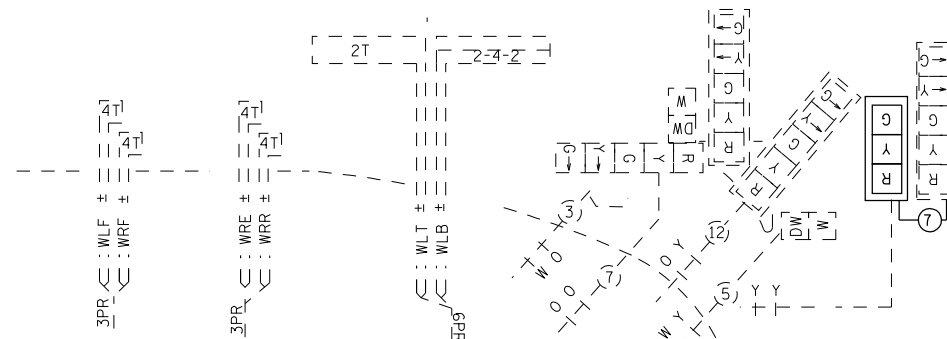
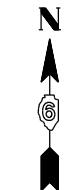
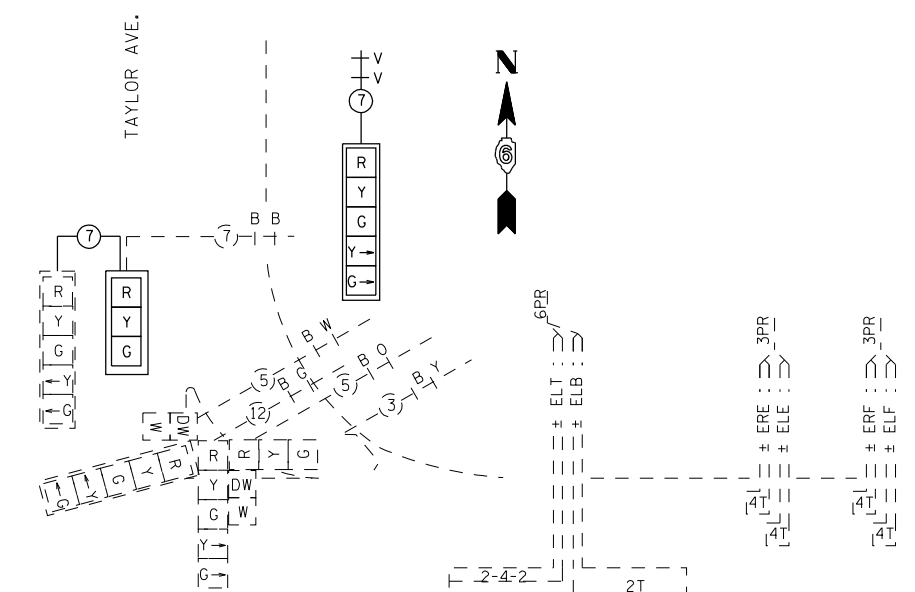
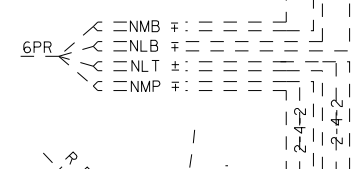
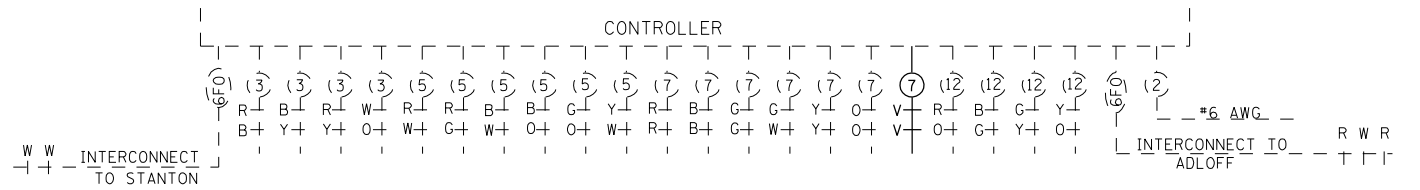
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	SANGAMON	12	12

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

• VARIOUS
 •• D-6 TRAFFIC SIGNAL MOD 2007-2



OVERLAP A = 5+8-8 GRN
 OVERLAP B = 2+7-2 GRN
 OVERLAP C = 1+4-4 GRN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ELECTRICAL CABLE DIAGRAM
 FAP ROUTE 663 (STEVENSON DR.)
 D-6 TRAFFIC SIGNAL MOD 2007-02
 SANGAMON

SCALE: VERT. HORIZ.
 DATE: NOV '06

DRAWN BY: KDA
 CHECKED BY:

PLOT DATE = 12/12/2006
 FILE NAME = c:\p\projects\6652706\129_97\ts_sheets.dgn
 PLOT SCALE = 42.352% / IN.
 USER NAME = laughlin-1

WARNER DR.