

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-3 LED RETROFIT 2013-1		38	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66C67		

*DEKALB, GRUNDY, KANKAKEE & LASALLE

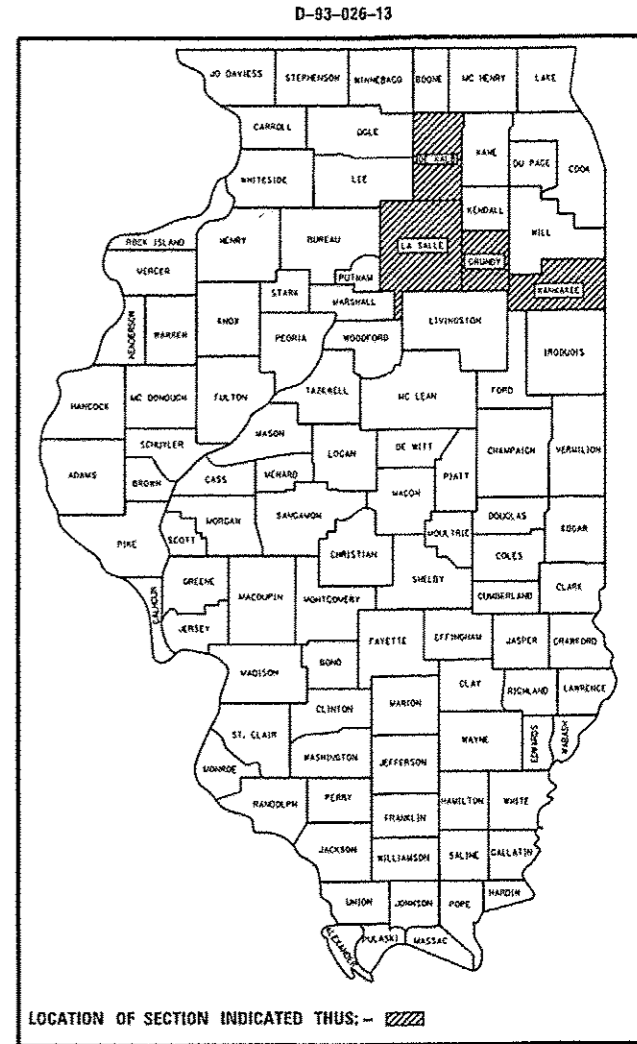
INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3.-6. SUMMARY OF QUANTITIES
- 7.-16. INTERSECTION LOCATION MAPS
- 17. SCHEDULE OF QUANTITIES
- 18. CABLE PLANS - BOURBONNAIS
- 19.-21. CABLE PLANS - BRADLEY
- 22.-23. CABLE PLANS - COAL CITY
- 24.-25. CABLE PLANS - KANKAKEE
- 26.-28. CABLE PLANS - LASALLE
- 29. CABLE PLANS - MENDOTA
- 30. CABLE PLANS - MOMENCE
- 31.-34. CABLE PLANS - OTTAWA
- 35.-37. CABLE PLANS - WATERMAN
- 38. MISCELLANEOUS DETAILS

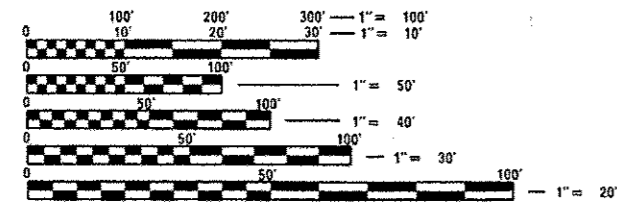
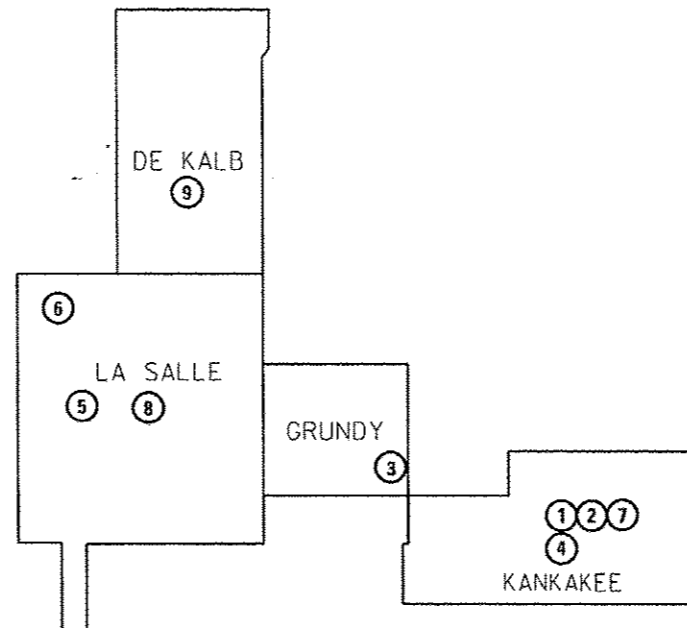
HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-04	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-03	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-03	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-05	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-02	PEDESTRIAN PUSH BUTTON POST
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

VARIOUS ROUTES
 SECTION D-3 LED RETROFIT 2013-1
 VARIOUS COUNTIES
 (DEKALB, GRUNDY, KANKAKEE,
 & LASALLE COUNTIES)
 C-93-027-13



- CITIES**
- 1 - BOURBONNAIS
 - 2 - BRADLEY
 - 3 - COAL CITY
 - 4 - KANKAKEE
 - 5 - LASALLE
 - 6 - MENDOTA
 - 7 - MOMENCE
 - 8 - OTTAWA
 - 9 - WATERMAN



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: TOM HUFNAGEL, P.E.
 UNIT CHIEF: DAN DEVINE, P.E.

CONTRACT NO. 66C67

LOCATION MAP

3/22/2013



[Signature]
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 104-001717

CHAMLIN ASSOCIATES
 PERU ILLINOIS MORRIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *March 27, 2013*
Paul A. Caraway
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10, 2013
John D. Baranzelli, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2013
Orin Oomen, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE CITY A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
 - A. BOURBONNAIS 815-937-3570
 - B. BRADLEY 815-932-2125
 - C. COAL CITY 815-834-8608
 - D. KANKAKEE 815-933-0480
 - E. LASALLE 815-223-7041
 - F. MENDOTA 815-539-7459
 - G. MOMENCE 815-472-2001
 - H. OTTAWA 815-431-1579 EXT. 20
 - I. WATERMAN 815-264-3652
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8508 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
6. 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.
7. 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.
8. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED; CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
9. ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
10. CONTRACTOR PERSONNEL AND EQUIPMENT SHALL NOT BE LOCATED WITHIN 50' OF THE CENTERLINE OF ANY RAILROAD TRACK.
11. A 1/2" 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.
12. ALL CONDUIT IN TRENCH SHALL BE PVC. ALL CONDUIT PUSHED MAY BE PVC OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
13. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
14. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
15. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
16. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
17. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
18. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTIONS OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
19. PLANS FOR BRADLEY, KANKAKEE, LASALLE & OTTAWA INTERSECTIONS ASSUME THAT COUNTDOWN PEDESTRIAN TIMERS HAVE BEEN INSTALLED BY OTHERS AND IN SOME CASES MY BE IN CONFLICT WITH NEW 5-SECTION SIGNAL HEADS. THIS MAY NOT BE THE CASE. CONTACT IDOT FOR FURTHER DIRECTION WHEN WORKING AT THESE INTERSECTIONS.
20. THE CONTRACTOR SHALL CONTACT JOHN SALADINO AT THE ILLINOIS COMMERCE COMMISSION (ICC) AT (217) 785-8423 UPON AWARD OF THE CONTRACT TO COORDINATE WORK AT US30 & ELM STREET IN WATERMAN. THE CONTRACTOR SHALL ALSO CONTACT THE ICC ABOUT THIS INTERSECTION 2 TO 4 WEEKS PRIOR TO MODIFYING THE CONTROLLER AND CABINET.

APPROVED PROVIDERS FOR LED SIGNAL MODULES ARE:
GENERAL ELECTRIC
DIALIGHT

SEE TABLE FOR PART NUMBERS

DIALIGHT

	PART NO.		PART NO.
RED BALL	433-1210-003XL 433-1270-003XL		
YELLOW BALL	433-3230-901XL 433-3270-901XL	YELLOW ARROW	431-3334-901XOD 431-3374-901XOD
GREEN BALL	433-2220-001XL 433-2270-001XL	GREEN ARROW	432-2324-001XOD 432-2374-001XOD
COUNTDOWN PEDESTRIAN	430-6479-001X		

GENERAL ELECTRIC

	PART NO.		PART NO.
RED BALL	DR6-RTFB-77A DR6-RCFB-77A		
YELLOW BALL	DR6-YTFB-77A DR6-YCFB-77A	YELLOW ARROW	DR6-YTAAN-17A DR6-YTAAN-17A-YX
GREEN BALL	DR6-GTFB-77A DR6-GCFB-77A	GREEN ARROW	DR6-GTAAN-17A DR6-GCAAN-17A
COUNTDOWN PEDESTRIAN	PS7-CFF1-26A-J PS7-CFF1-46A-J		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE**

REVIEWED BY: *Bruce A. Buckner*
DISTRICT OPERATIONS ENGINEER

DATE: _____

EXAMINED BY: *Heidi J. Gray*
DISTRICT CONSTRUCTION ENGINEER

John J. Phillips
DISTRICT MATERIALS ENGINEER

Don Brown
DISTRICT STUDIES & PLANS ENGINEER

* DEKALB, GRUNDY, KANKAKEE & LASALLE

[ILLINOIS] FED. AID PROJECT

KOTCOV 07/02/13 DTCCOV 07/02/13

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021
				BOURBONNAIS (KANKAKEE CO)	BRADLEY (KANKAKEE CO)	COAL CITY (GRUNDY CO)	KANKAKEE (KANKAKEE CO)	LASALLE (LASALLE CO)	MENDOTA (LASALLE CO)	OTTAWA (LASALLE CO)	WATERMAN (DEKALB CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)			
				97.5% STATE/2.5% CITY	96.7% STATE/3.3% CITY	95% STATE/5% CITY	95% STATE/5% CITY	96.7% STATE/3.3% CITY	95% STATE/5% CITY	97.5% STATE/2.5% CITY	95% STATE/5% CITY	95% STATE/5% CITY	96.7% STATE/3.3% CITY	95% STATE/5% CITY	95% STATE/5% CITY	100% STATE	100% STATE		
67100100	MOBILIZATION	L SUM	1	01	02	03	01	04	05	06	07	08	09	10	02	01	01		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.5		
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	-	-	-	-	-	-	-	-	-	-	-	-	0.6	0.4		
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.2		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	-	-	-	-	-	-	-	-	-	-	-	-	0.9	0.1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	66	-	-	-	66	-	-	-	-	-	-	-	-	-	-		
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	44	-	-	-	-	-	-	-	-	-	-	-	44	-	-		
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	141	-	-	-	141	-	-	-	-	-	-	-	-	-	-		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	17	1	1	2	1	1	1	1	2	1	1	2	1	1	1		
87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	7	-	-	-	3	-	4	-	-	-	-	-	-	-	-		

FILE NAME : D366C67-SHT-500.DGN
 USER NAME : **
 PLOT SCALE : N/A
 PLOT DATE : 03/13

DESIGNED : **
 DRAWN : NV
 CHECKED : PM
 DATE : 03/13

REVISED :
 REVISED :
 REVISED :
 REVISED :

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

SCALE: N/A
 SHEET NO. ___ OF ___ SHEETS
 STA. _____ TO STA. _____

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 -- D-3 LED RETROFIT 2013-1 * 38 3
 CONTRACT NO. 66C67
 ILLINOIS FED. AID PROJECT

* DEKALB, GRUNDY, KANKAKEE & LASALLE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				BOURBONNAIS (KANKAKEE CO)	BRADLEY (KANKAKEE CO)	COAL CITY (GRUNDY CO)	KANKAKEE (KANKAKEE CO)	LASALLE (LASALLE CO)	MENDOTA (LASALLE CO)	OTTAWA (LASALLE CO)	WATERMAN (DEKALB CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	URBAN	URBAN	URBAN			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	917	-	-	-	-	-	-	-	-	-	-	-	-	-	917	-	-
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	946	-	-	-	-	-	-	-	-	-	-	-	-	-	946	-	-
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	518	-	-	-	373	-	145	-	-	-	-	-	-	-	-	-	-
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	108	-	-	-	108	-	-	-	-	-	-	-	-	-	-	-	-
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2478	-	-	-	1048	-	780	-	-	-	-	-	-	-	650	-	-
87502470	TRAFFIC SIGNAL POST, GALVANIZED STEEL 13 FT.	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
87601200	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
87900100	DRILL EXISTING FOUNDATION	EACH	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
87900200	DRILL EXISTING HANDHOLE	EACH	8	-	-	-	5	-	-	-	-	-	-	-	-	-	3	-	-
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-

FILE NAME : 0366C67-SHT-500.DGN
 USER NAME : --
 PLOT SCALE : N/A
 PLOT DATE : 03/13

DESIGNED - --
 DRAWN - NV
 CHECKED - PM
 DATE - 03/13

REVISED - --
 REVISED - --
 REVISED - --
 REVISED - --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	39	4
CONTRACT NO. 66C67				
ILLINOIS FED. AID PROJECT				

* DEKALB, GRUNDY, KANKAKEE & LASALLE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE														
				0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	
				97.5% STATE/2.5% CITY	96.7% STATE/3.3% CITY	95% STATE/5% CITY	95% STATE/5% CITY	96.7% STATE/3.3% CITY	95% STATE/5% CITY	97.5% STATE/2.5% CITY	95% STATE/5% CITY	95% STATE/5% CITY	96.7% STATE/3.3% CITY	95% STATE/5% CITY	95% STATE/5% CITY	100% STATE	100% STATE	
				BOURBONNAIS (KANKAKEE CO)	BRADLEY (KANKAKEE CO)	COAL CITY (GRUNDY CO)	KANKAKEE (KANKAKEE CO)			LASALLE (LASALLE CO)	MENDOTA (LASALLE CO)	OTTAWA (LASALLE CO)	WATERMAN (DEKALB CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)			
				URBAN	URBAN	RURAL	URBAN			URBAN	URBAN	URBAN	URBAN	RURAL	URBAN	RURAL	RURAL	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	38	2	1	9	1	2	4	1	3	4	1	5	1	4	2	
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	27	1	1	7	1	2	2	1	3	4	1	3	1	1	1	
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4	--	--	--	--	--	--	--	--	--	--	--	4	--	--	
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	67	3	2	16	2	4	6	2	6	8	3	8	1	4	3	
88500100	INDUCTIVE LOOP DETECTOR	EACH	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
88600100	DETECTOR LOOP, TYPE I	FOOT	360	--	--	--	360	--	--	--	--	--	--	--	--	--	--	
88800100	PEDESTRIAN PUSH BUTTON	EACH	4	--	--	--	--	--	--	--	--	--	--	--	4	--	--	
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	31	--	1	3	--	4	3	--	4	4	--	2	4	4	2	
89500300	RELOCATE EXISTING ILLUMINATED SIGN	EACH	2	--	--	--	--	--	--	--	--	--	--	--	2	--	--	
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	--	--	--	--	--	--	--	--	--	--	--	4	--	--	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	4	--	--	--	1	--	1	--	--	--	1	--	1	--	--	

FILE NAME : 0356C67-SHT-500.DGN
 USER NAME : --
 PLOT SCALE : N/A
 PLOT DATE : 03/13

DESIGNED : --
 DRAWN : NV
 CHECKED : PM
 DATE : 03/13

REVISED : --
 REVISED : --
 REVISED : --
 REVISED : --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

• DEKALB, GRUNDY, KANKAKEE & LASALLE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1		40	5

CONTRACT NO. 66C67
 ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE													
				0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	
				BOURBONNAIS (KANKAKEE CO)	BRADLEY (KANKAKEE CO)	COAL CITY (GRUNDY CO)	KANKAKEE (KANKAKEE CO)	LASALLE (LASALLE CO)	MENDOTA (LASALLE CO)	OTTAWA (LASALLE CO)	WATERMAN (DEKALB CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)	STATE (VARIOUS CO)
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	225	-	-	-	225	-	-	-	-	-	-	-	-	-	-
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	16	1	1	2	1	1	1	1	2	1	1	2	-	1	1
X4402815	ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	20	-	-	-	-	-	-	-	-	-	-	20	-	-	-
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	10	-	-	3	-	-	-	-	-	-	-	2	3	2	-
X8140102	GROUND EXISTING HANDHOLE	EACH	14	-	-	-	4	-	4	-	-	-	-	-	6	-	-
X8860100	LOOP DETECTOR TESTING	EACH	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Z0007420	SIDEWALK REPAIR (SPECIAL)	SQ FT	20	-	-	-	-	-	-	-	-	-	-	20	-	-	-

FILE NAME : 0366C67-SHT-500.DGN

USER NAME : --
 PLOT SCALE : N/A
 PLOT DATE : 03/13

DESIGNED : --
 DRAWN : NV
 CHECKED : PM
 DATE : 03/13

REVISED : --
 REVISED : --
 REVISED : --
 REVISED : --

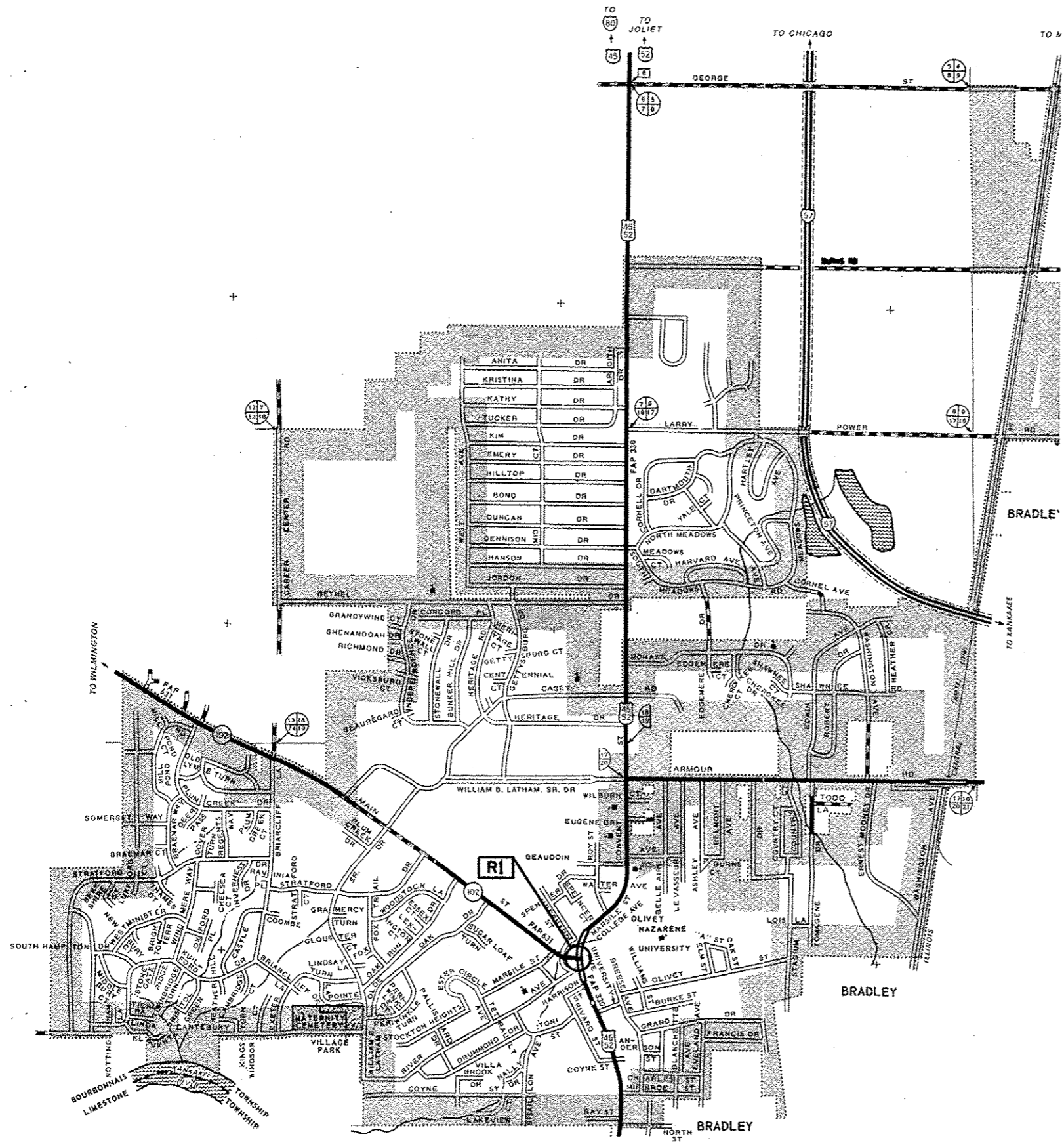
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	41	6
CONTRACT NO. 66C67			ILLINOIS FED. AID PROJECT	

* DEKALB, GRUNDY, KANKAKEE & LASALLE



LEGEND NOTES

R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/G ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND G ARROW INDICATORS.

LEGEND

RI - US 45/52 (KENNEDY DR) & IL 102 (MAIN ST) & OLIVET ST

BOURBONNAIS

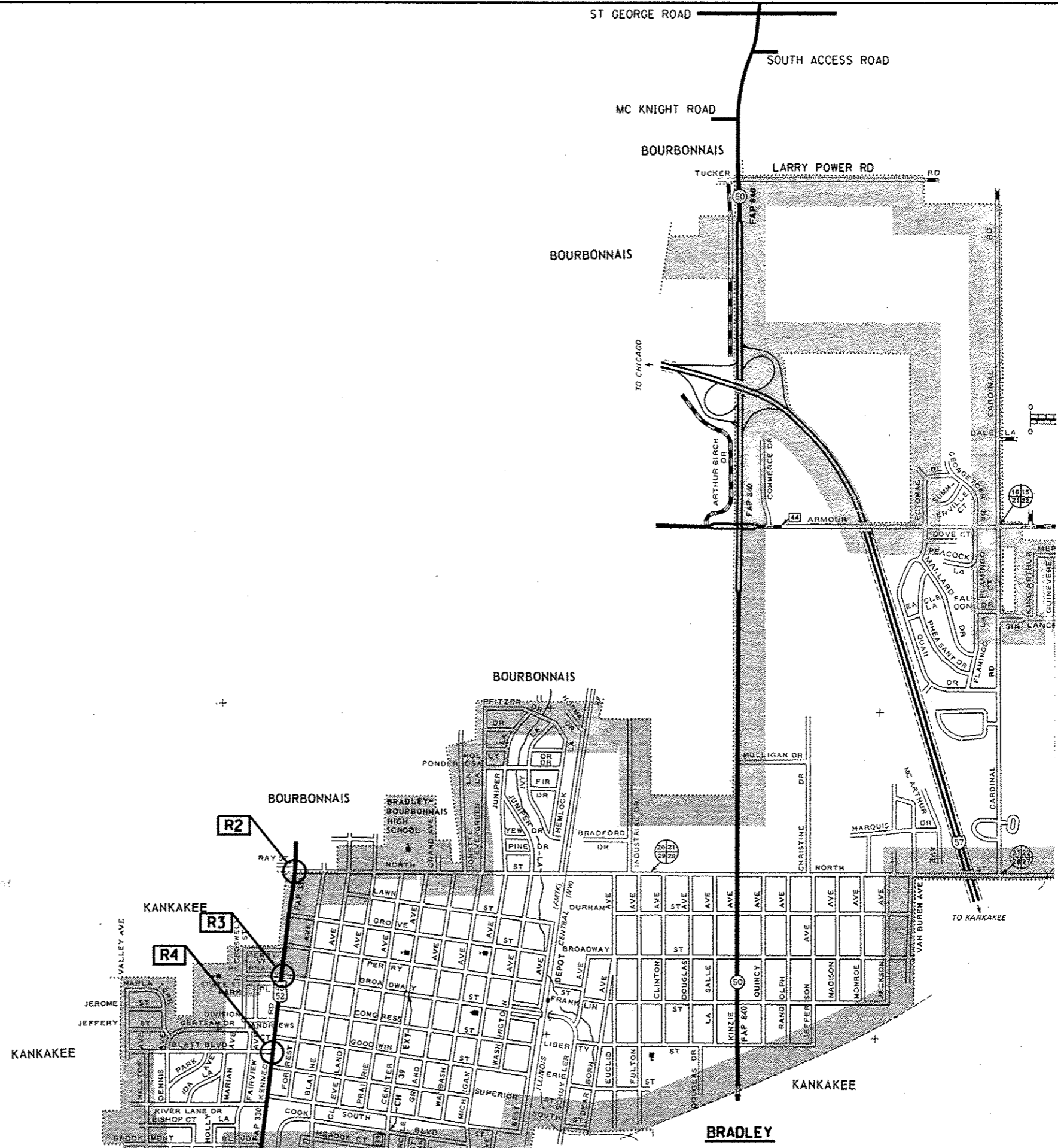
FILE NAME : 0366C67-SHT-LOCMAP-BOURBONNAIS.DGN		DESIGNED : --	REVISED : --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION LOCATION MAP BOURBONNAIS		* DEKALB, GRUNDY, KANKAKEE & LASALLE		
USER NAME : --		DRAWN : ARR/NV	REVISED : --		SCALE: N/A		SECTION COUNTY TOTAL SHEETS SHEET NO.		
PLOT SCALE : N/A		CHECKED : PM	REVISED : --		SHEET NO. ___ OF ___ SHEETS		D-3 LED RETROFIT 2013-1		
PLOT DATE : 03/13		DATE : 03/13	REVISED : --		STA. _____ TO STA. _____		CONTRACT NO. 66C67		
								ILLINOIS FED. AID PROJECT	

LEGEND NOTES

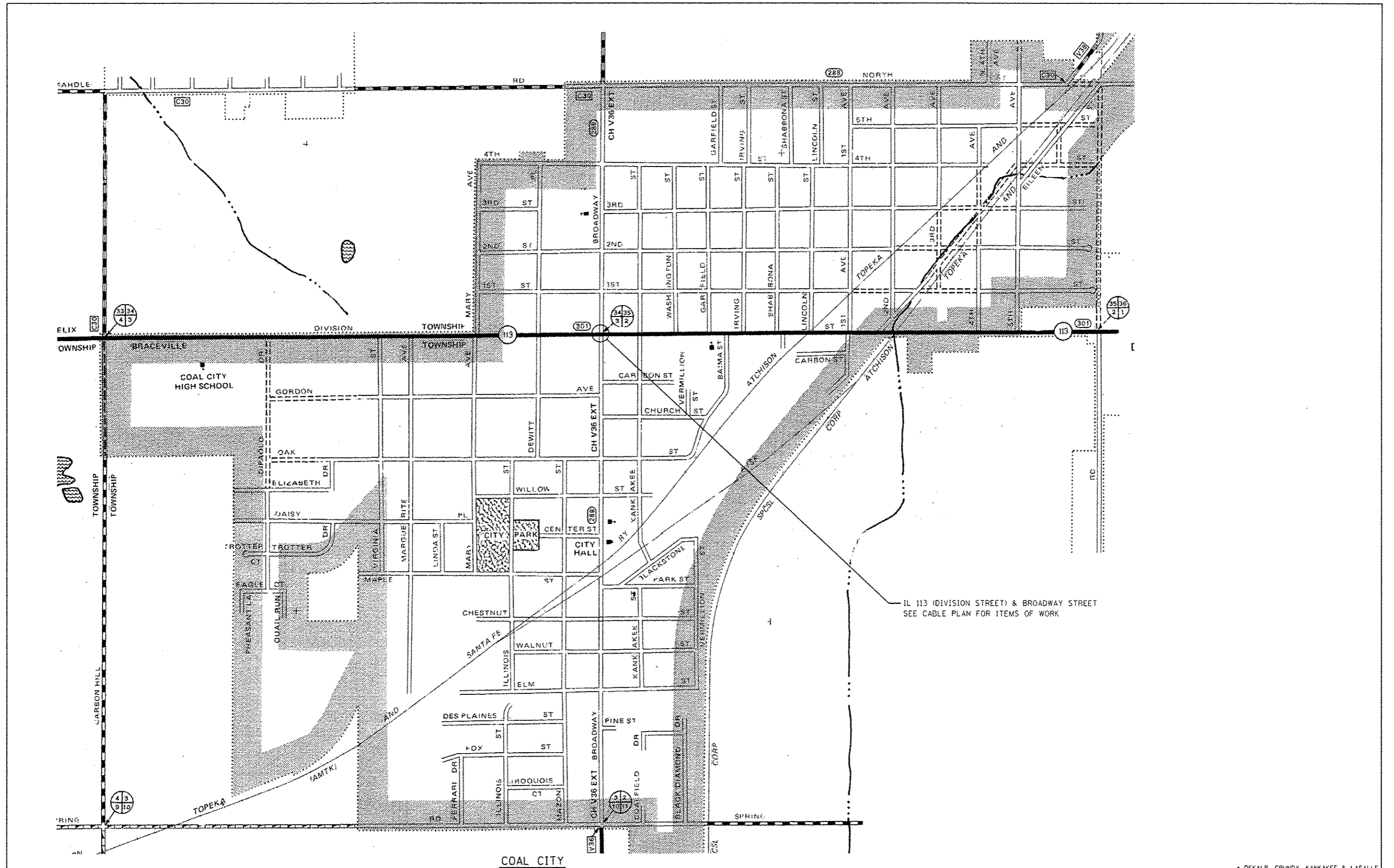
R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/G ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND G ARROW INDICATORS.

LEGEND

- R2 - US 45/52 (KENNEDY DR) & NORTH ST
- R3 - US 45/52 (KENNEDY DR) & BROADWAY ST
- R4 - US 45/52 (KENNEDY DR) & BLATT BLVD



FILE NAME : 0366C67-SHT-LOCMAP-BRADLEY.DGN	USER NAME : --	DESIGNED : --	REVISED : --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION LOCATION MAP BRADLEY		• DEKALB, GRUNDY, KANKAKEE & LASALLE		
PLOT SCALE : N/A	CHECKED : PM	DRAWN : ARR/NV	REVISED : --		SCALE: N/A	SHEET NO. ___ OF ___ SHEETS	SECTION : D-3 LED RETROFIT 2013-1	COUNTY : --	TOTAL SHEETS : 38
PLOT DATE : 03/13	DATE : 03/13	DATE : 03/13	REVISED : --		STA. _____	TO STA. _____	CONTRACT NO. 66C67		
							ILLINOIS FED. AID PROJECT		



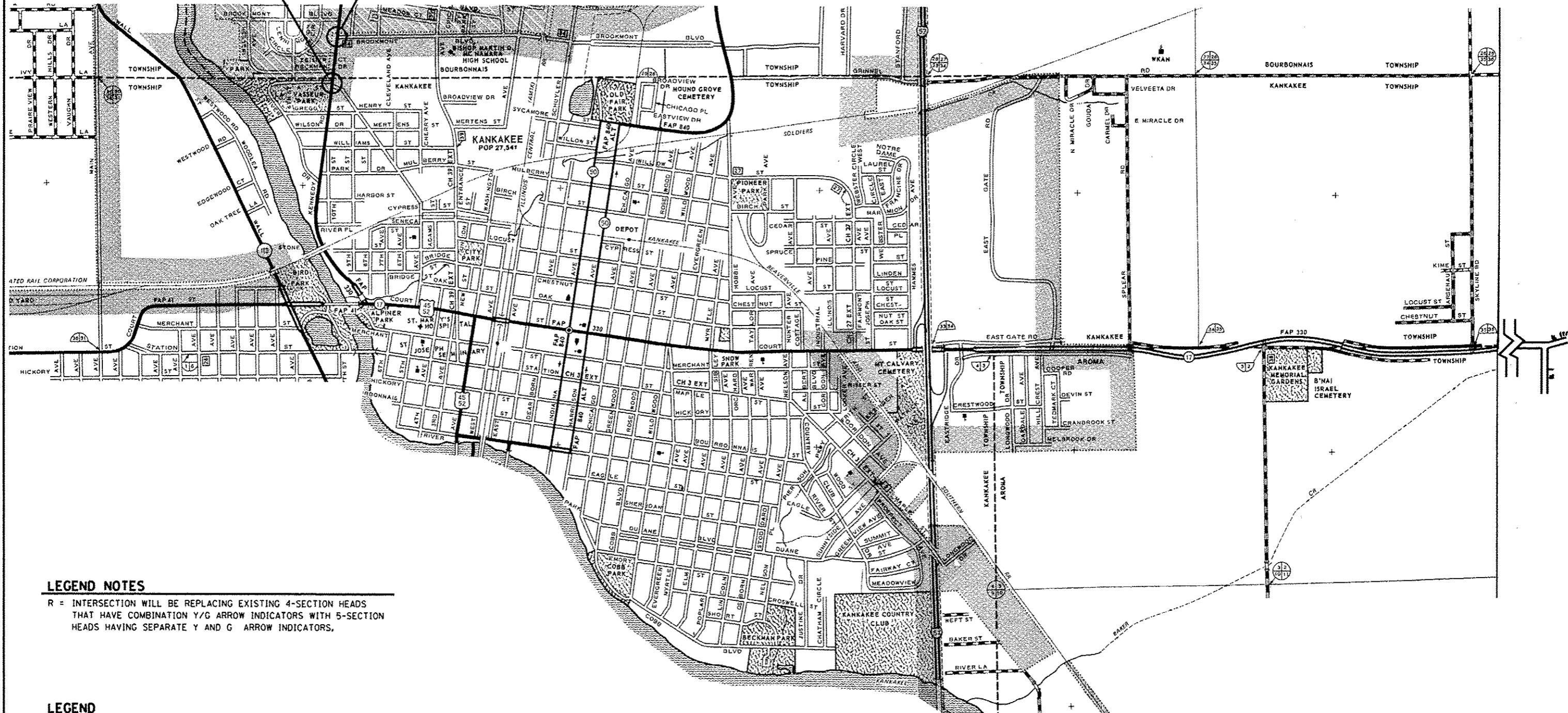
IL 113 (DIVISION STREET) & BROADWAY STREET
SEE CABLE PLAN FOR ITEMS OF WORK

FILE NAME -> 0366C67-5H1-LOCMAP-COALCITY.DGN USER NAME -> -- PLOT SCALE -> N/A PLOT DATE -> 03/13		DESIGNED -> -- DRAWN -> ARR/NV CHECKED -> PM DATE -> 03/13		REVISED -> -- REVISED -> -- REVISED -> -- REVISED -> --		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				INTERSECTION LOCATION MAP COAL CITY				F.A. RITE. -- SECTION D-3 LED RETROFIT 2013-1 COUNTY - TOTAL SHEETS 38 SHEET NO. 9 CONTRACT NO. 66C67	
						SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. ___ TO STA. ___				ILLINOIS FED. AID PROJECT					

* DEKALB, GRUNDY, KANKAKEE & LASALLE

US 45/52 (KENNEDY DR & FIFTH AVE)
SEE CABLE PLAN FOR ITEMS OF WORK

R5



LEGEND NOTES

R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/G ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND G ARROW INDICATORS.

LEGEND

R5 - US 45/52 (KENNEDY DR) & BROOKMONT BLVD

KANKAKEE

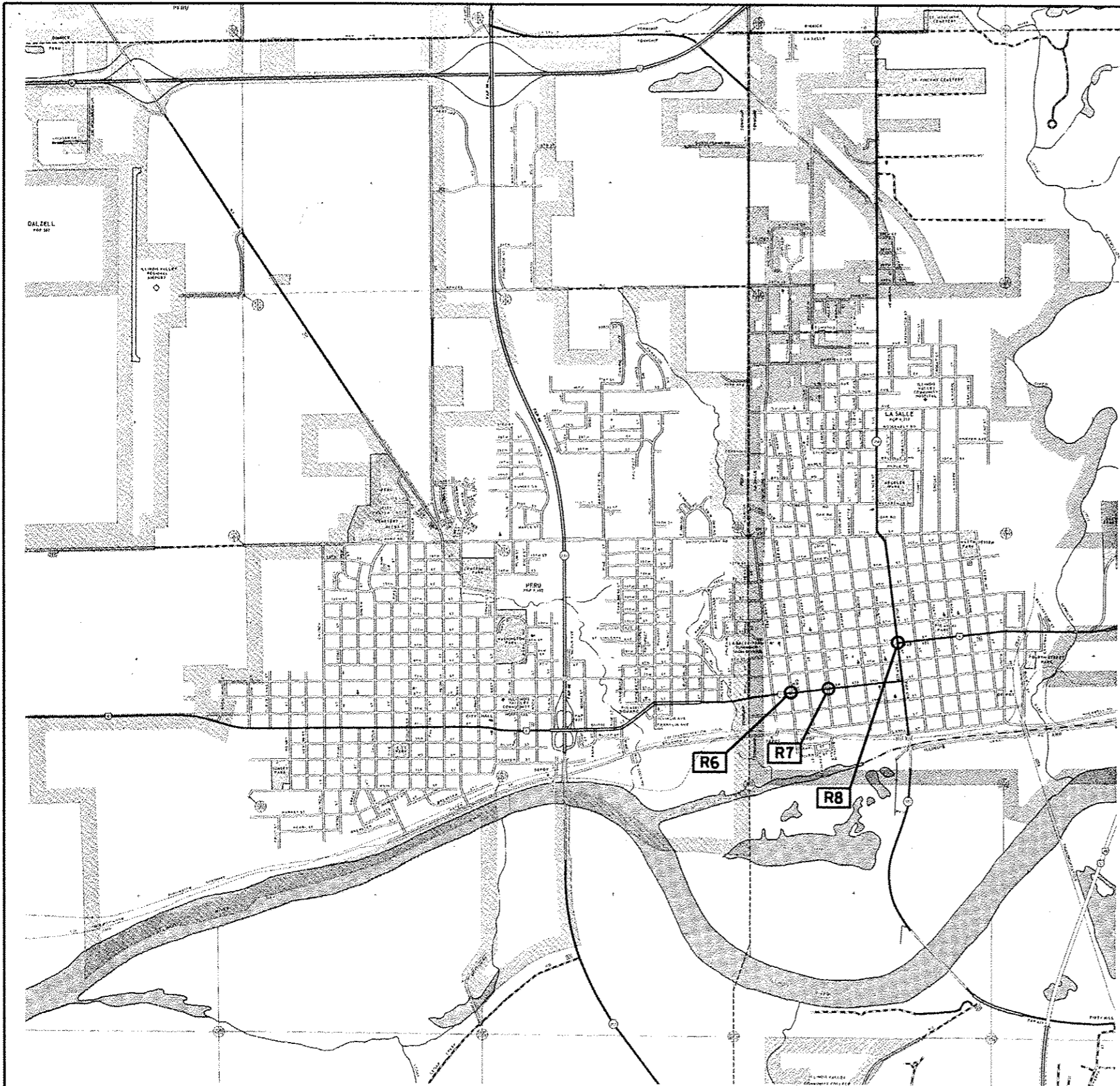
FILE NAME : D366C67-SHT-LOCMAP-KANKAKEE.DGN	USER NAME : --	DESIGNED - --	REVISED - ---
		DRAWN - ARR/NV	REVISED - ---
		CHECKED - PM	REVISED - ---
		DATE - 03/13	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
KANKAKEE - NORTH OF KANKAKEE RIVER**

SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

* DEKALB, GRUNDY, KANKAKEE & LASALLE			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
--	D-3 LED RETROFIT 2013-1	-	38
			10
CONTRACT NO. 66C67			
ILLINOIS FED. AID PROJECT			



LEGEND NOTES

R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/C ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND C ARROW INDICATORS.

LEGEND

- R6 - US 6 (THIRD ST) & CREVE COEUR ST
- R7 - US 6 (THIRD ST) & BUCKLIN ST
- R8 - IL 351 (JOLIET ST) & US 6 (FIFTH ST)

FILE NAME = 0366667-SHT-LOCMAP-LASALLE.DGN

USER NAME = --

DESIGNED - --

REVISED - --

DRAWN - ARR/NV

REVISED - --

CHECKED - PM

REVISED - --

DATE - 03/13

REVISED - --

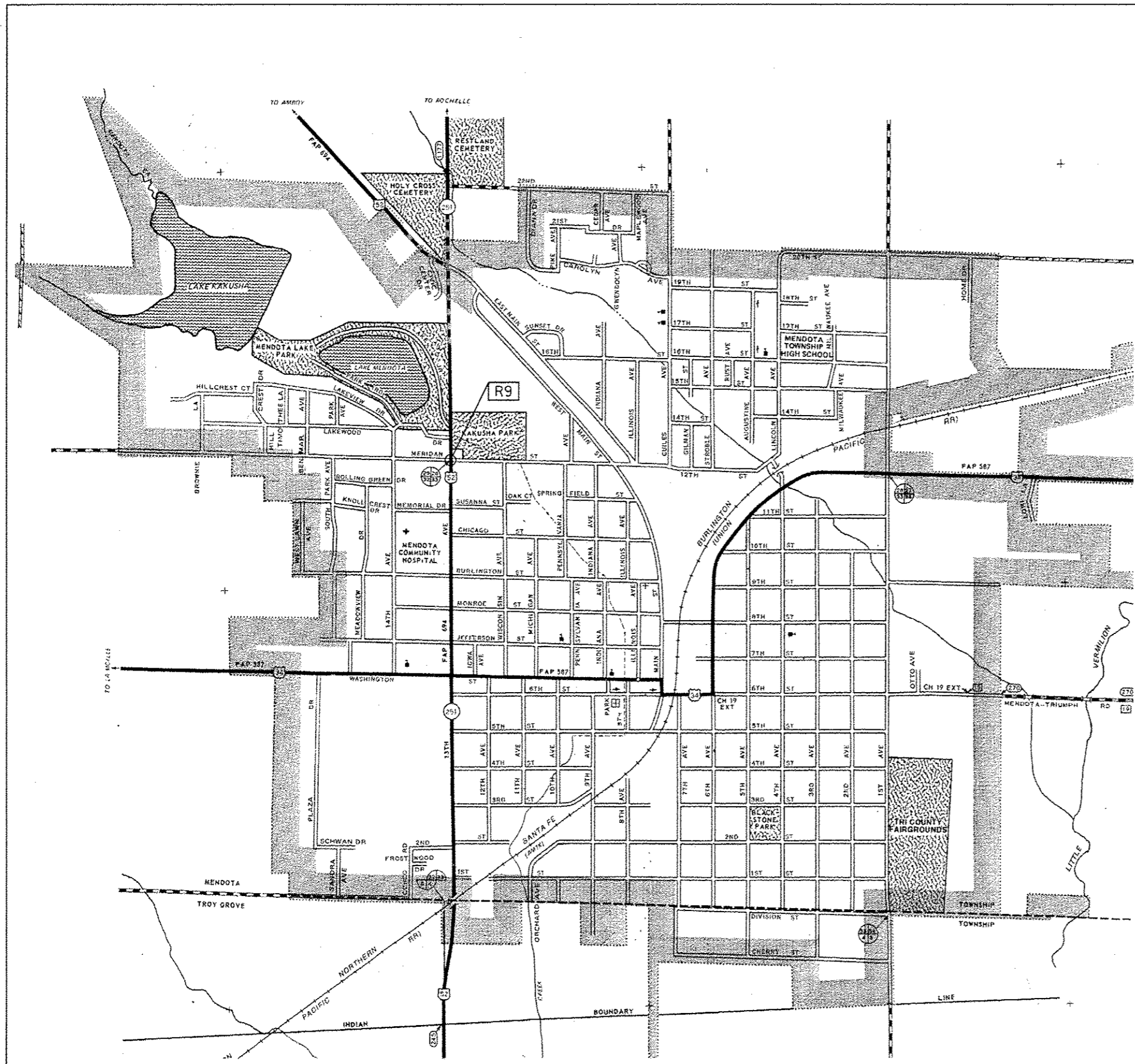
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LOCATION MAP
LASALLE

SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	38	11
			CONTRACT NO. 66C67	
ILLINOIS FED. AID PROJECT				

* DEKALB, GRUNDY, KANKAKEE & LASALLE



LEGEND NOTES

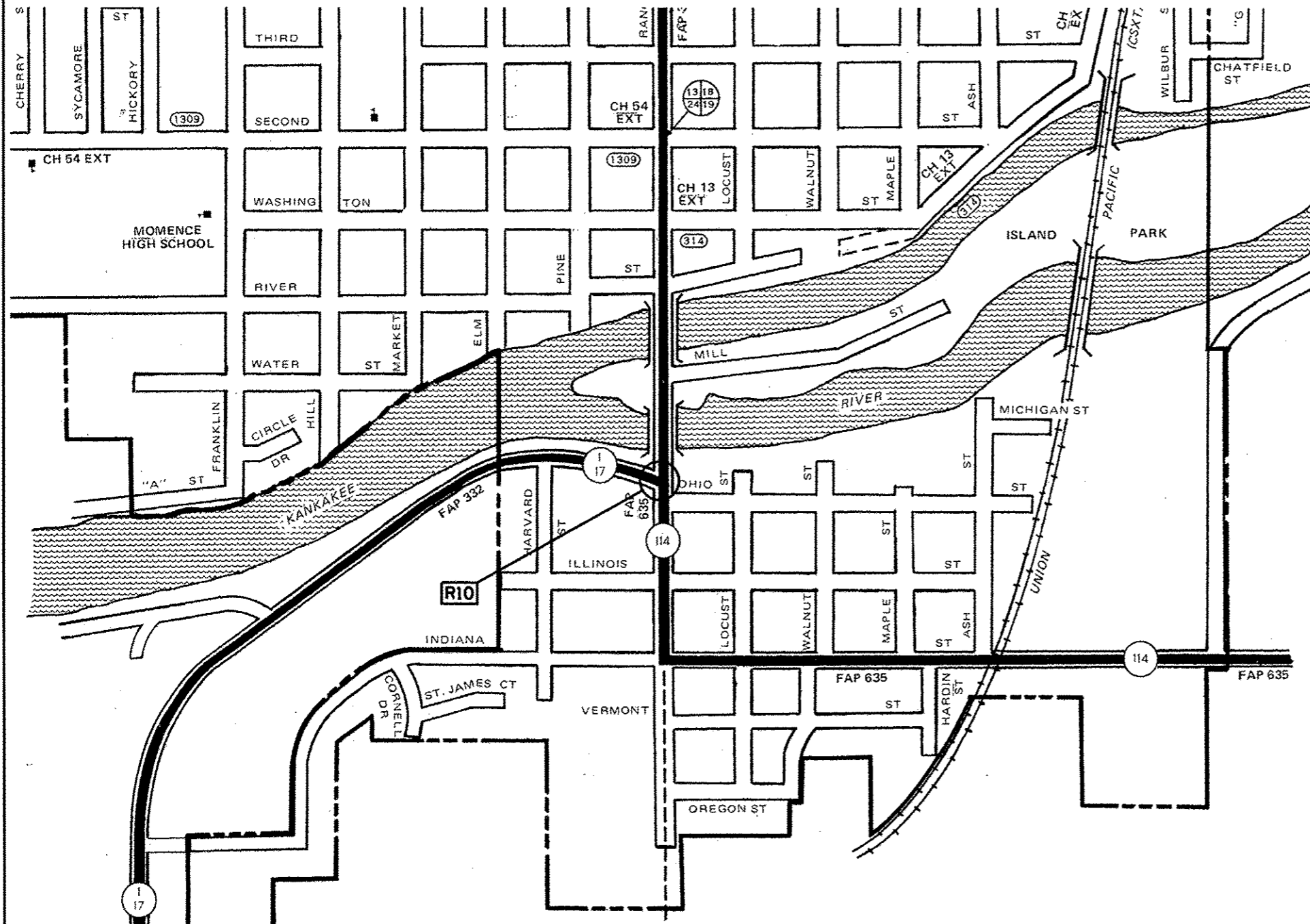
R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/G ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND G ARROW INDICATORS.

LEGEND

R9 - IL 251 (13TH ST) & MERIDEN ST

FILE NAME: D366C67-SHT-LOCMAP-MENDOTA.DGN	USER NAME: --	DESIGNED: --	REVISED: --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION LOCATION MAP MENDOTA	F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: N/A	CHECKED: PM	REVISED: --			--	D-3 LED RETROFIT 2013-1			38
PLOT DATE: 03/13	DATE: 03/13	REVISED: --	REVISED: --	SCALE: N/A	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 66C67			
ILLINOIS FED. AID PROJECT										

• DEKALB, GRUNDY, KANKAKEE & LASALLE



LEGEND NOTES

R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/G ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND G ARROW INDICATORS.

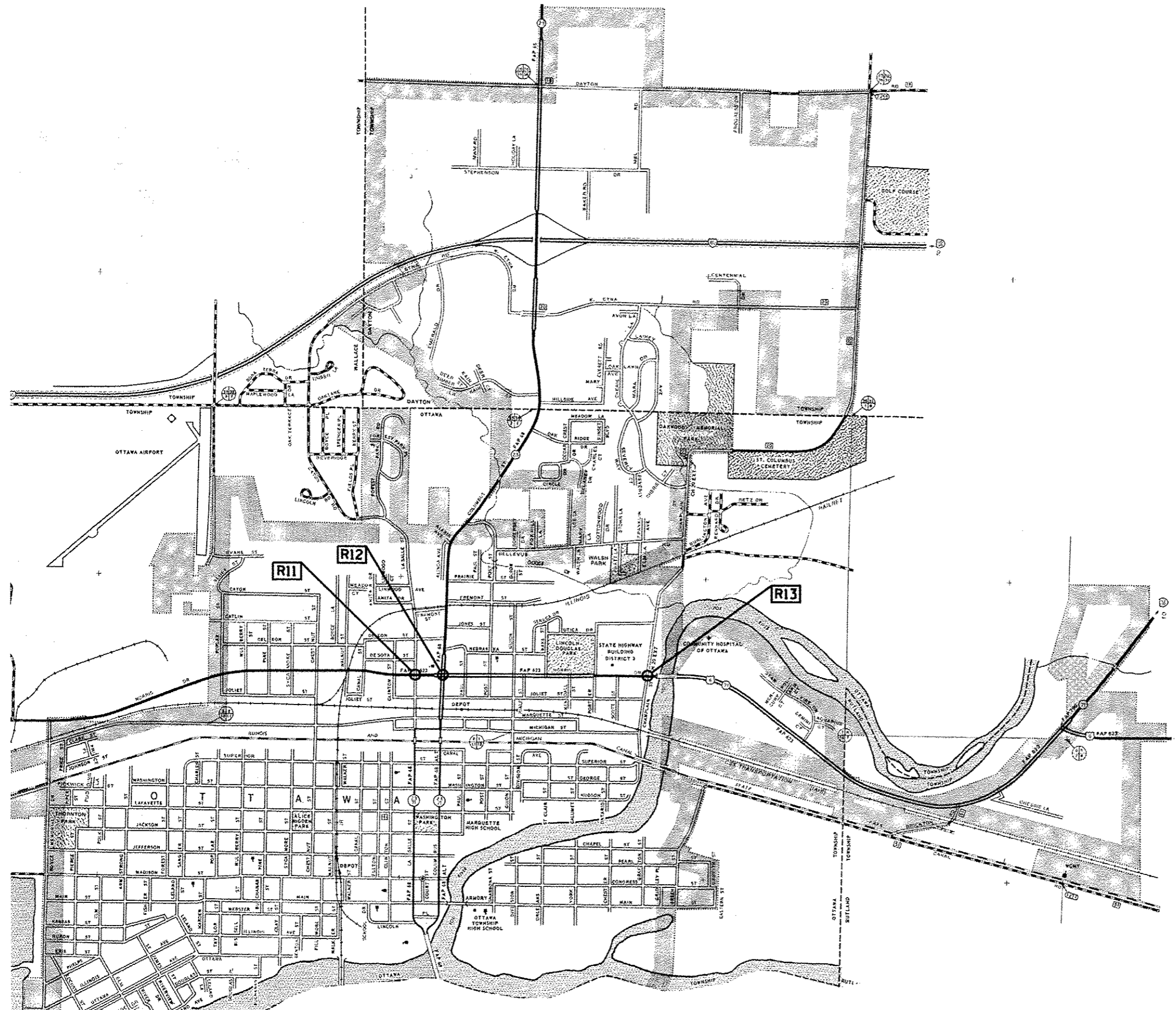
LEGEND

R10 - IL 1/17 & IL 114

MOMENCE

FILE NAME : 036667-SHT-LOCMAP-MOMENCE.DGN	USER NAME : --	DESIGNED : --	REVISED : --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION LOCATION MAP MOMENCE		F.A. RTE. : --	SECTION : D-3 LED RETROFIT 2013-1	COUNTY : *	TOTAL SHEETS : 38	SHEET NO. : 13	
	PLOT SCALE : N/A	DRAWN : ARR/NV	REVISED : ---		SCALE: N/A	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 66C67				
	PLOT DATE : 03/13	CHECKED : PM	REVISED : ---		ILLINOIS FED. AID PROJECT							
		DATE : 03/13	REVISED : ---									

* DEKALB, GRUNDY, KANKAKEE & LASALLE



LEGEND NOTES

R = INTERSECTION WILL BE REPLACING EXISTING 4-SECTION HEADS THAT HAVE COMBINATION Y/G ARROW INDICATORS WITH 5-SECTION HEADS HAVING SEPARATE Y AND G ARROW INDICATORS.

LEGEND

- R11 - US 6 (NORRIS DR) & LASALLE ST
- R12 - US 6 (NORRIS DR) & IL 23 (COLUMBUS ST)
- R13 - US 6 & CHAMPLAIN ST

FILE NAME : 0366C67-SHT-LOCMAP-OTTAWA-N.DGN
 USER NAME : --
 PLOT SCALE : N/A
 PLOT DATE : 8/3/13

DESIGNED : --
 DRAWN : ARR/NV
 CHECKED : PM
 DATE : 03/13

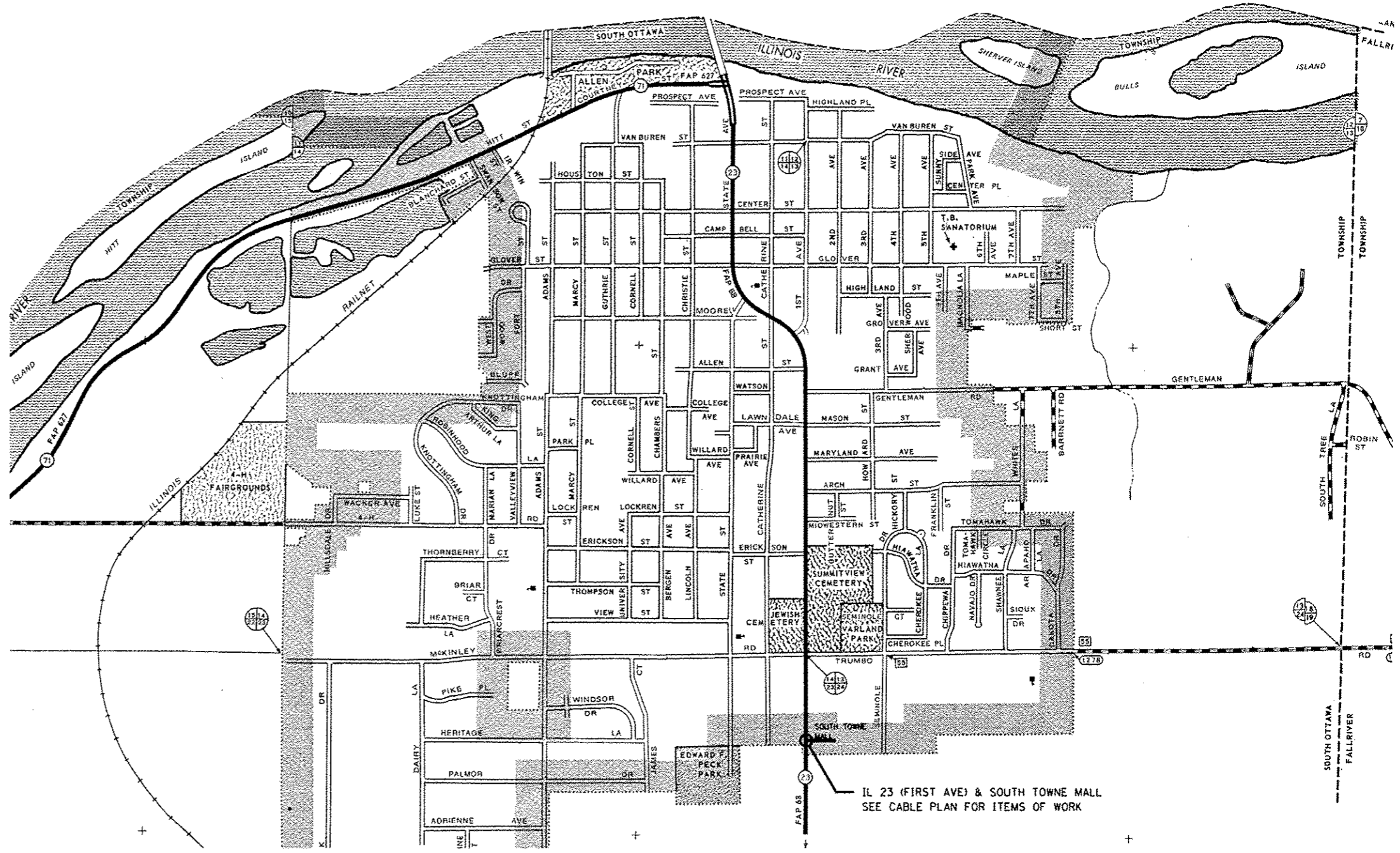
REVISED : --
 REVISED : --
 REVISED : --
 REVISED : --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
 OTTAWA - NORTH OF ILLINOIS RIVER**
 SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	•	38	14
CONTRACT NO. 66C67				
ILLINOIS FED. AID PROJECT				

• DEKALB, GRUNDY, KANKAKEE & LASALLE



FILE NAME : 0366C67-SHT-LOCMAP-OTTAWA-S.DGN
 USER NAME : **
 PLOT SCALE : N/A
 PLOT DATE : 03/13

DESIGNED - --	REVISED - --
DRAWN - ARR/NV	REVISED - --
CHECKED - PM	REVISED - --
DATE - 03/13	REVISED - --

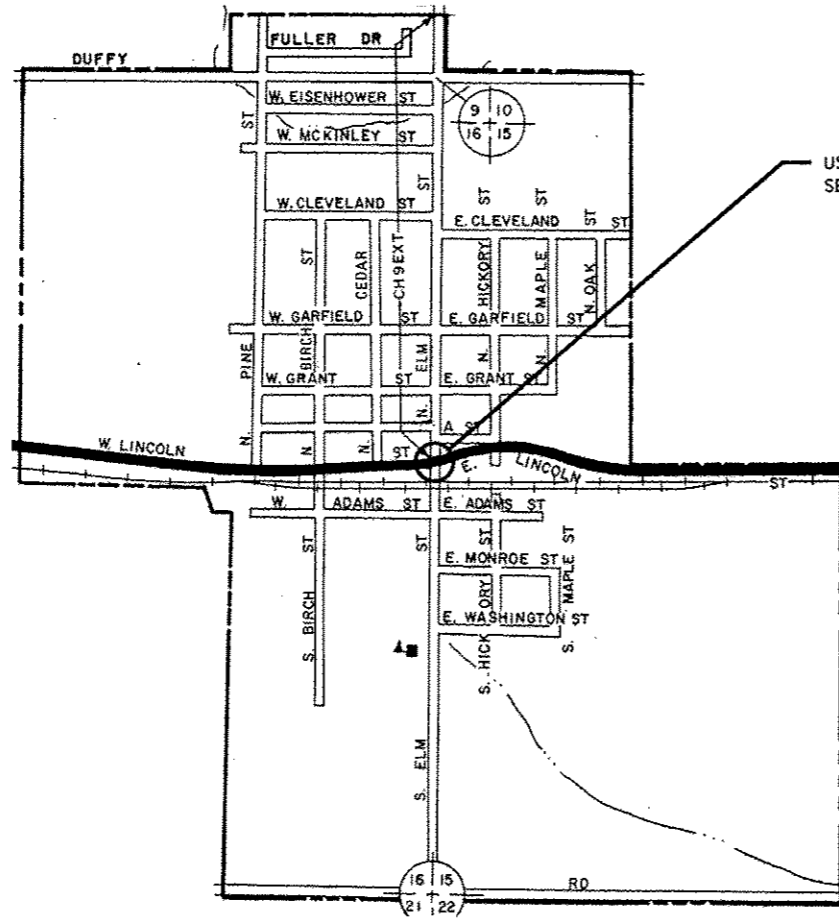
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
 OTTAWA - SOUTH OF ILLINOIS RIVER**

SCALE: N/A SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	38	15
CONTRACT NO. 66C67				
ILLINOIS FED. AID PROJECT				

* DEKALB, GRUNDY, KANKAKEE & LASALLE



US 30 & ELM STREET
SEE CABLE PLAN FOR ITEMS OF WORK

WATERMAN

FILE NAME :
0366C67-SHT-LOCMAP-WATERMAN.DGN

USER NAME : --

DESIGNED - --

DRAWN - ARR/NV

CHECKED - PM

DATE - 03/13

REVISED - ---

REVISED - ---

REVISED - ---

REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
WATERMAN**

SCALE: N/A

SHEET NO. ___ OF ___ SHEETS

STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	38	16
				CONTRACT NO. 66C67
ILLINOIS FED. AID PROJECT				

* DEKALB, GRUNDY, KANKAKEE & LASALLE

TRAFFIC CONTROL FOR ONE OR MORE LEGS AT EACH INTERSECTION SHALL BE IN ACCORDANCE WITH THE HIGHWAY STANDARD INDICATED			FUNDING		HIGHWAY STANDARD				
COUNTY	CITY	INTERSECTION	STATE	CITY	701501	701502	701606	701701	701801
KANKAKEE	BOURBONNAIS	US 45/52 (KENNEDY DR) & IL 102 (MAIN ST) & OLIVET ST	100	0	--	--	X	X	--
KANKAKEE	BRADLEY	US 45/52 (KENNEDY DR) & BLATT BLVD	100	0	--	--	X	X	--
KANKAKEE	BRADLEY	US 45/52 (KENNEDY DR) & BROADWAY ST	100	0	--	--	X	X	--
KANKAKEE	BRADLEY	US 45/52 (KENNEDY DR) & NORTH ST	100	0	--	--	X	X	--
GRUNDY	COAL CITY	IL 113 (DIVISION ST) & BROADWAY ST	100	0	--	X	X	--	X
KANKAKEE	KANKAKEE	US 45/52 (KENNEDY DR) & BROOKMONT BLVD	100	0	--	--	X	X	--
KANKAKEE	KANKAKEE	US 45/52 (KENNEDY DR) & FIFTH AVE	100	0	--	--	X	X	--
LASALLE	LASALLE	IL 351 (JOLIET ST) & US 6 (FIFTH ST)	100	0	--	--	--	X	--
LASALLE	LASALLE	US 6 (THIRD ST) & BUCKLIN ST	100	0	--	X	--	X	--
LASALLE	LASALLE	US 6 (THIRD ST) & CREVE COEUR ST	100	0	--	X	--	X	--
LASALLE	MENDOTA	IL 251 (13TH ST) & MERIDEN ST	100	0	--	X	--	X	--
KANKAKEE	MOMENCE	IL 1/17 & IL 114	100	0	--	X	X	X	--
LASALLE	OTTAWA	IL 23 (FIRST AVE) & SOUTH TOWNE MALL	100	0	--	--	X	--	--
LASALLE	OTTAWA	US 6 & CHAMPLAIN ST	100	0	X	--	--	X	--
LASALLE	OTTAWA	US 6 (NORRIS DR) & IL 23 (COLUMBUS ST)	100	0	--	--	--	X	--
LASALLE	OTTAWA	US 6 (NORRIS DR) & LASALLE ST	100	0	--	--	--	X	--
DEKALB	WATERMAN	US 30 & ELM ST	100	0	X	--	--	X	X

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52/ KENNEDY DRIVE	RED	9	11	50
	YELLOW	9	22	25
	GREEN	9	15	25
	GREEN ARROW LT.	4	11	10
	YELLOW ARROW RT.	2	10	10
	GREEN ARROW RT.	2	11	10
	[R] [Y] [G]	2	20	100
IL 102/ MAIN ST/ OLIVET STREET	RED	8	11	50
	YELLOW	8	22	25
	GREEN	8	15	25
	GREEN ARROW LT.	4	11	10
	YELLOW ARROW RT.	2	10	10
	GREEN ARROW RT.	2	11	10
	[R] [Y] [G]	2	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
VILLAGE OF BOURBONNAIS

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	RIGHT TURN GREEN
	RIGHT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

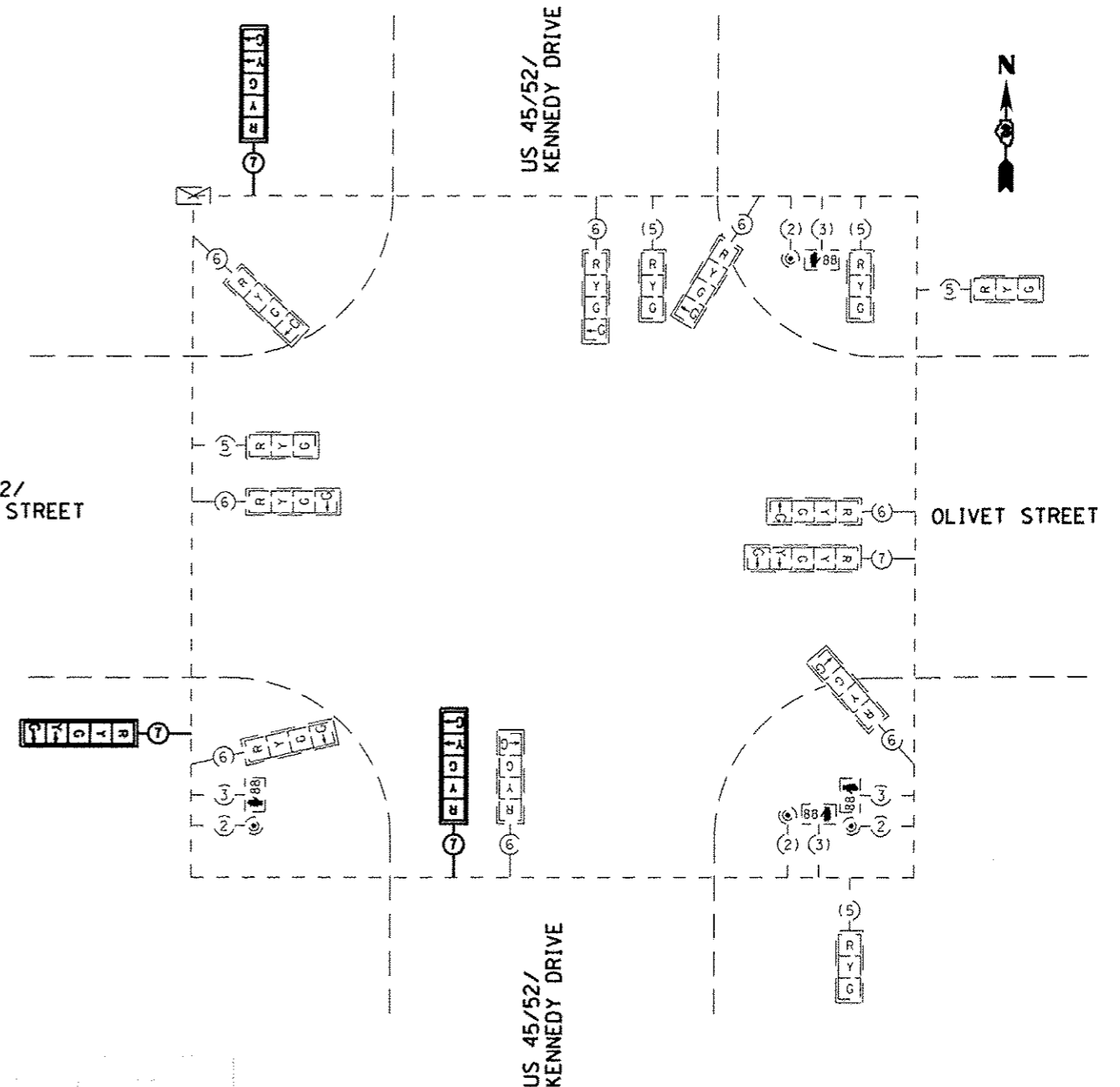
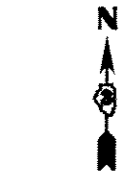
- 2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE THREE (3) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

IL 102/
MAIN STREET

US 45/52/
KENNEDY DRIVE



PROPOSED CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES (97.5% STATE / 2.5% CITY)

BOURBONNAIS US 45/52 (KENNEDY DR) & IL 102 (MAIN ST) & OLIVET ST

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

FILE NAME :
0366C67-SHT-TS-C-80-US45-IL102.00N

USER NAME : --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

CHECKED - PM

REVISED - ---

PLOT SCALE = 1" = 20'

DATE - 03/13

REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
BOURBONNAIS - US 45/52(KENNEDY DR) & IL 102(MAIN ST) & OLIVET ST

* DEKALB, GRUNDY, KANKAKEE & LASALLE
F.A. SECTION COUNTY TOTAL SHEET SHEET
RTE. D-3 LED RETROFIT 2013-1 * 38 18
CONTRACT NO. 66C67
ILLINOIS FED. AID PROJECT

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52/ KENNEDY DR	RED	4	11	50
	YELLOW	4	22	25
	GREEN	4	15	25
	RED ARROW LT.	2	9	50
	YELLOW ARROW LT.	2	10	25
	GREEN ARROW LT.	2	11	25
NORTH STREET	RED	3	11	50
	YELLOW	3	22	25
	GREEN	3	15	25
	YELLOW ARROW RT.	2	10	10
	GREEN ARROW RT.	2	11	10
	CONTROLLER	2	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
VILLAGE OF BRADLEY

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	RIGHT TURN GREEN
	RIGHT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

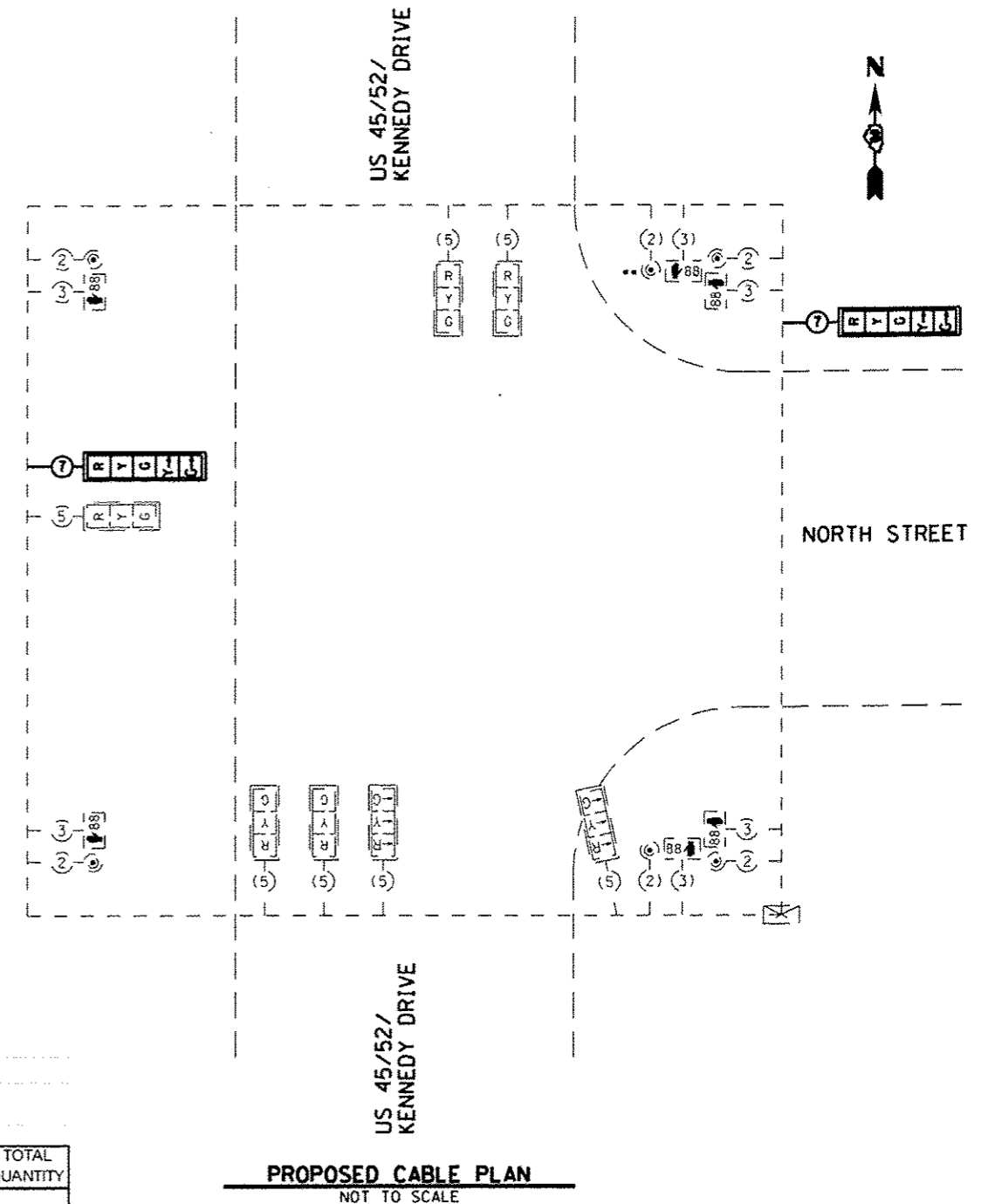
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE TWO (2) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

- RELOCATE ONE (1) PEDESTRIAN SIGNAL HEAD AT TRAFFIC SIGNAL POST IN THE NORTHEAST QUADRANT OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEAD.



SCHEDULE OF QUANTITIES (96.7% STATE / 3.3% CITY)

BRADLEY US 45/52 (KENNEDY DR) & NORTH ST			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD †	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

† SEE GENERAL NOTES, ESPECIALLY NUMBER 19

ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52/ KENNEDY DR	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
		4	20	100
BROADWAY STREET	RED	8	11	50
	YELLOW	8	22	25
	GREEN	8	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
	YELLOW ARROW RT.	4	10	10
	GREEN ARROW RT.	4	11	10
		4	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
VILLAGE OF BRADLEY

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	RIGHT TURN GREEN
	RIGHT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

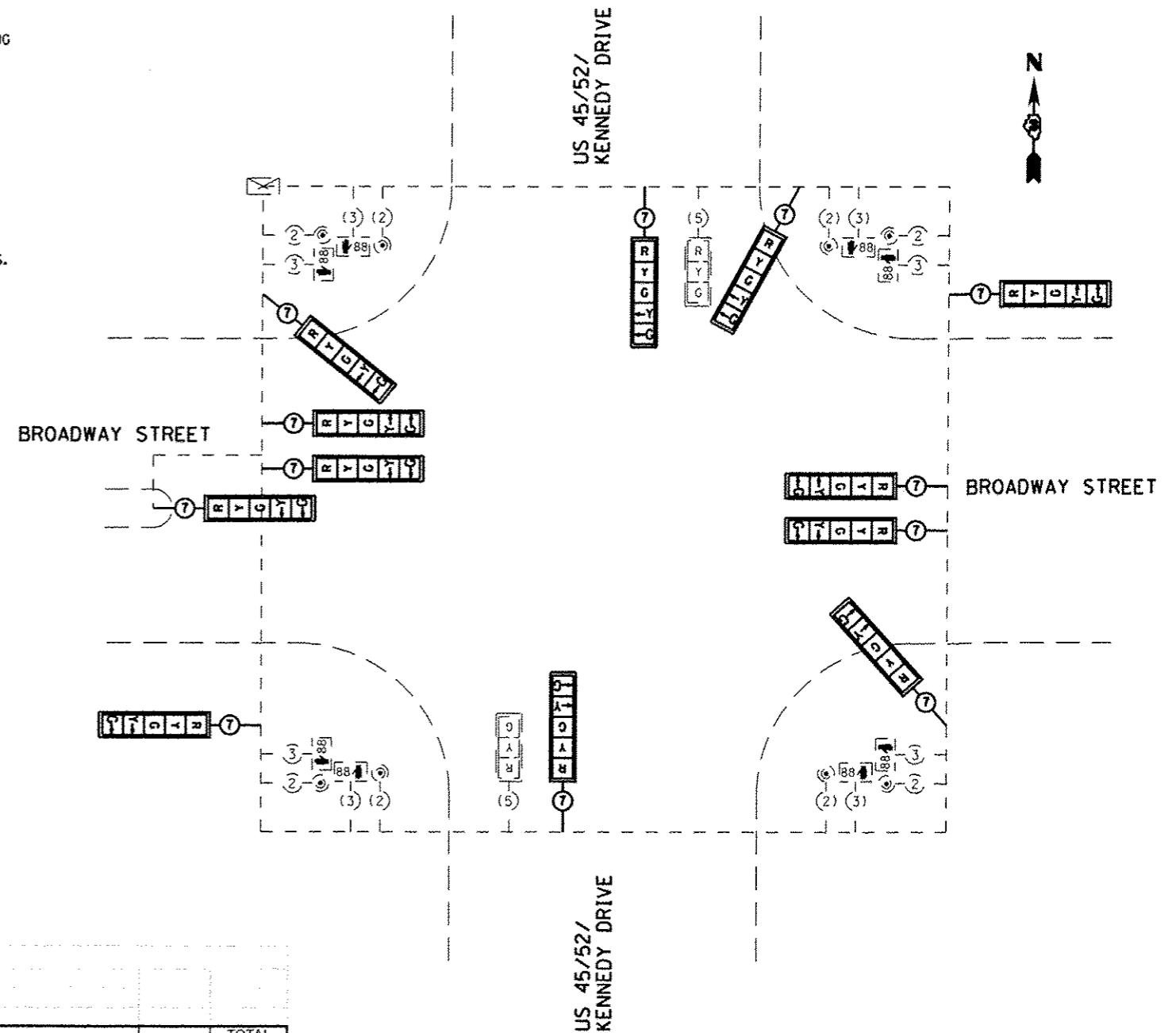
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 6 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 6 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE TWELVE (12) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

REMOVE AND RE-ERECT THREE (3) EXISTING SIGNS AT THE MAST ARM POLES IN THE NORTHWEST AND SOUTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.



PROPOSED CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	3

FILE NAME : 0366C67-SHT-TS-C-DR-US45-BROADWAY.DGN

USER NAME : --

DESIGNED : --

REVISED : ---

DRAWN : ARR/NV

REVISED : ---

PLOT SCALE : 1" = 20'

CHECKED : PM

REVISED : ---

PLOT DATE : 03/13

DATE : 03/13

REVISED : ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
BRADLEY - US 45/52 (KENNEDY DR) & BROADWAY STREET

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	38	20

CONTRACT NO. 66C67

ILLINOIS FED. AID PROJECT

* DEKALB, GRUNDY, KANKAKEE & LASALLE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52/ KENNEDY DR	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
BLATT BOULEVARD	RED	3	11	50
	YELLOW	3	22	25
	GREEN	3	15	25
	YELLOW ARROW RT.	2	10	10
	GREEN ARROW RT.	2	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
VILLAGE OF BRADLEY

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	RIGHT TURN GREEN
	RIGHT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

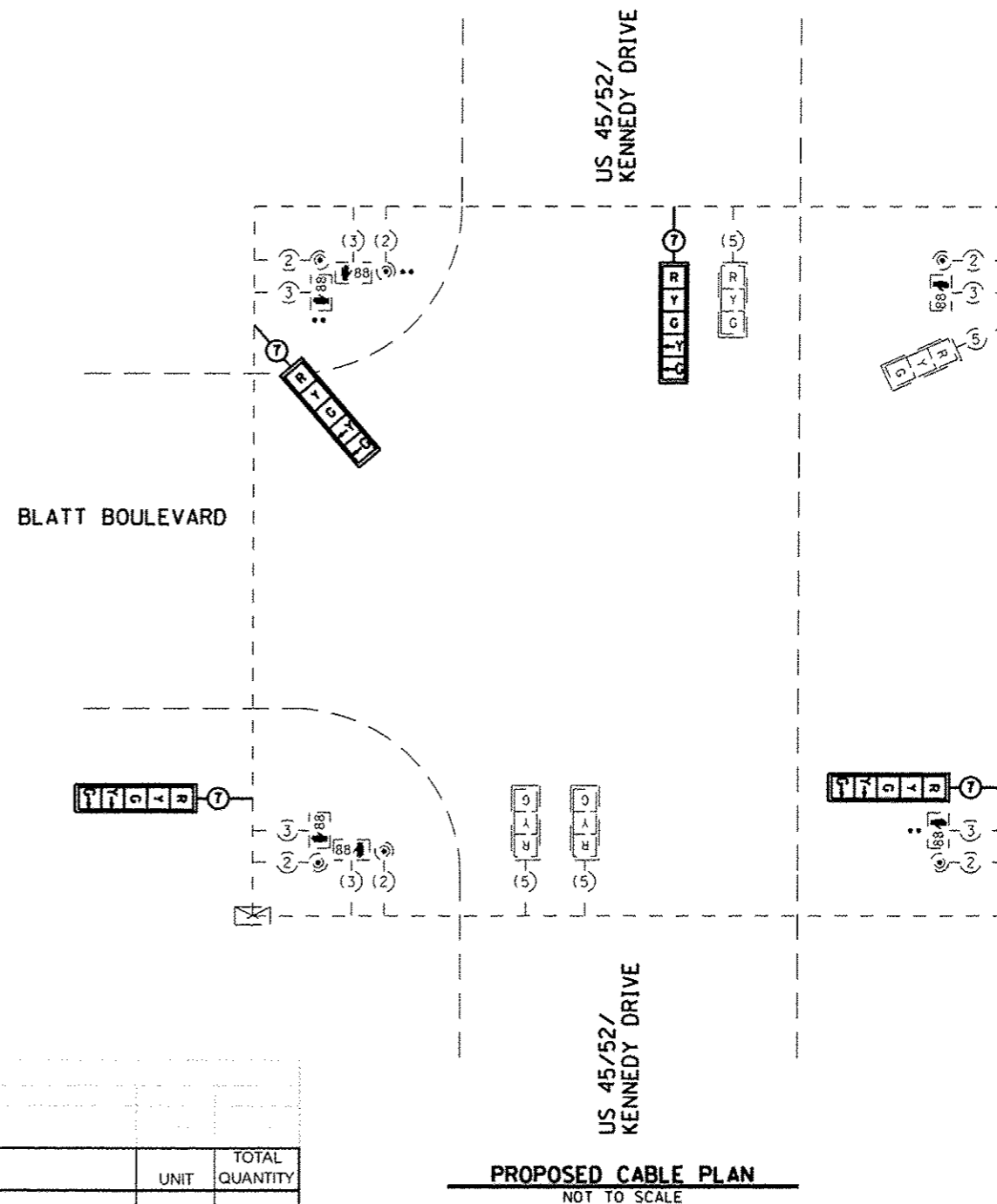
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

3 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE FOUR (4) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

**RELOCATE THREE (3) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE SOUTHEAST AND NORTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.



SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

BRADLEY US 45/52 (KENNEDY DR) & BLATT BLVD		UNIT	TOTAL QUANTITY
ITEM NO.	DESCRIPTION		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

↑ SEE GENERAL NOTES, ESPECIALLY NUMBER 19

FILE NAME :
0366C67-SHT-TS-C-DR-US45-BLATT.DGN

USER NAME : --

DESIGNED - --
DRAWN - ARR/NV

REVISED - ---
REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - PM

REVISED - ---

PLOT DATE = 03/13

DATE - 03/13

REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

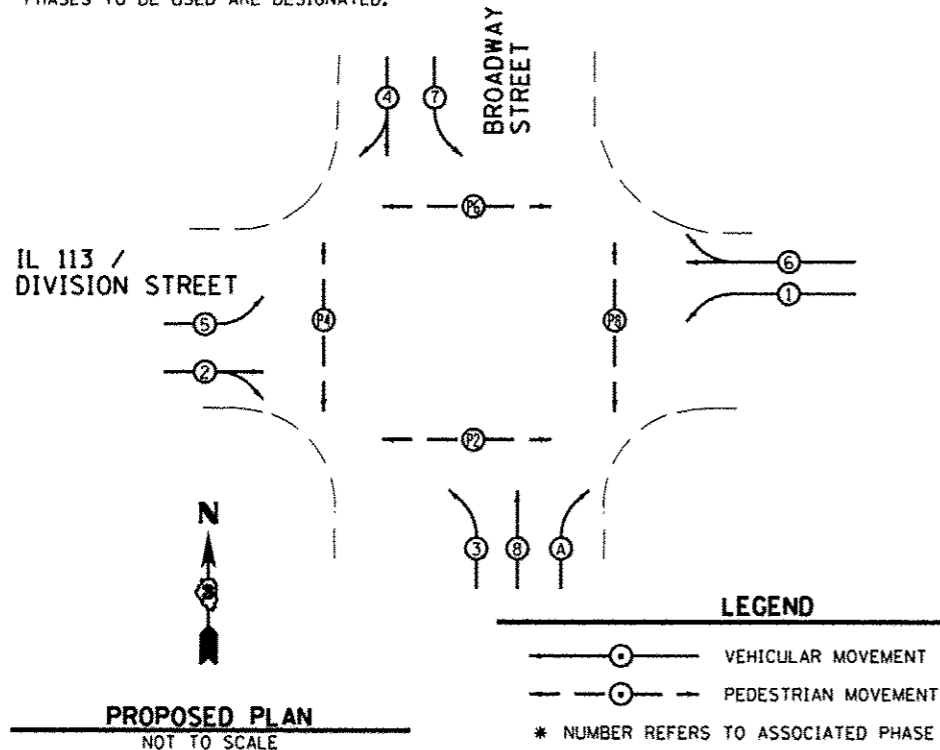
TRAFFIC SIGNAL CABLE PLAN
BRADLEY - US 45/52 (KENNEDY DR) & BLATT BOULEVARD

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

* DEKALB, GRUNDY, KANKAKEE & LASALLE
SECTION COUNTY TOTAL SHEETS SHEET NO.
-- D-3 LED RETROFIT 2013-1 38 21
CONTRACT NO. 66C67
ILLINOIS FED. AID PROJECT

CONTROLLER SEQUENCE

NAME OF INTERSECTION: IL 113 / DIVISION STREET AND BROADWAY STREET
 EXISTING CONTROLLER: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE 11, 8 PHASE, IN TYPE IV CABINET REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES TO BE USED ARE DESIGNATED.



AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES: VILLAGE OF COAL CITY
TRAFFIC SIGNALS LEGEND

()	DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED
—	EXISTING SERVICE INSTALLATION
MA	EXISTING CONTROLLER AND CABINET
12"	EXISTING SIGNAL SECTION 12"
—	EXISTING INTERCONNECT CABLE AND TRACER
88	EXISTING WALK/DONT WALK COUNTDOWN SECTION
—	EXISTING TRAFFIC SIGNAL BACKPLATE
—	TRAFFIC SIGNAL BACKPLATE
Ⓟ	EXISTING PEDESTRIAN PUSH BUTTON
Ⓢ	EXISTING DENOTES DETECTOR LOOP SYSTEM
Ⓢ	EXISTING VEHICLE DETECTOR, INDUCTION LOOP
Ⓢ	DENOTES DETECTOR LOOP SYSTEM
Ⓢ	VEHICLE DETECTOR, INDUCTION LOOP
①	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
Ⓢ	GROUND ROD AT MAST ARM (MA) OR HANDHOLE (H) OR CONTROLLER (C) OR SERVICE INSTALLATION (S)
12"	SIGNAL SECTION 12"
—	LEFT TURN GREEN
—	LEFT TURN YELLOW

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 1 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED

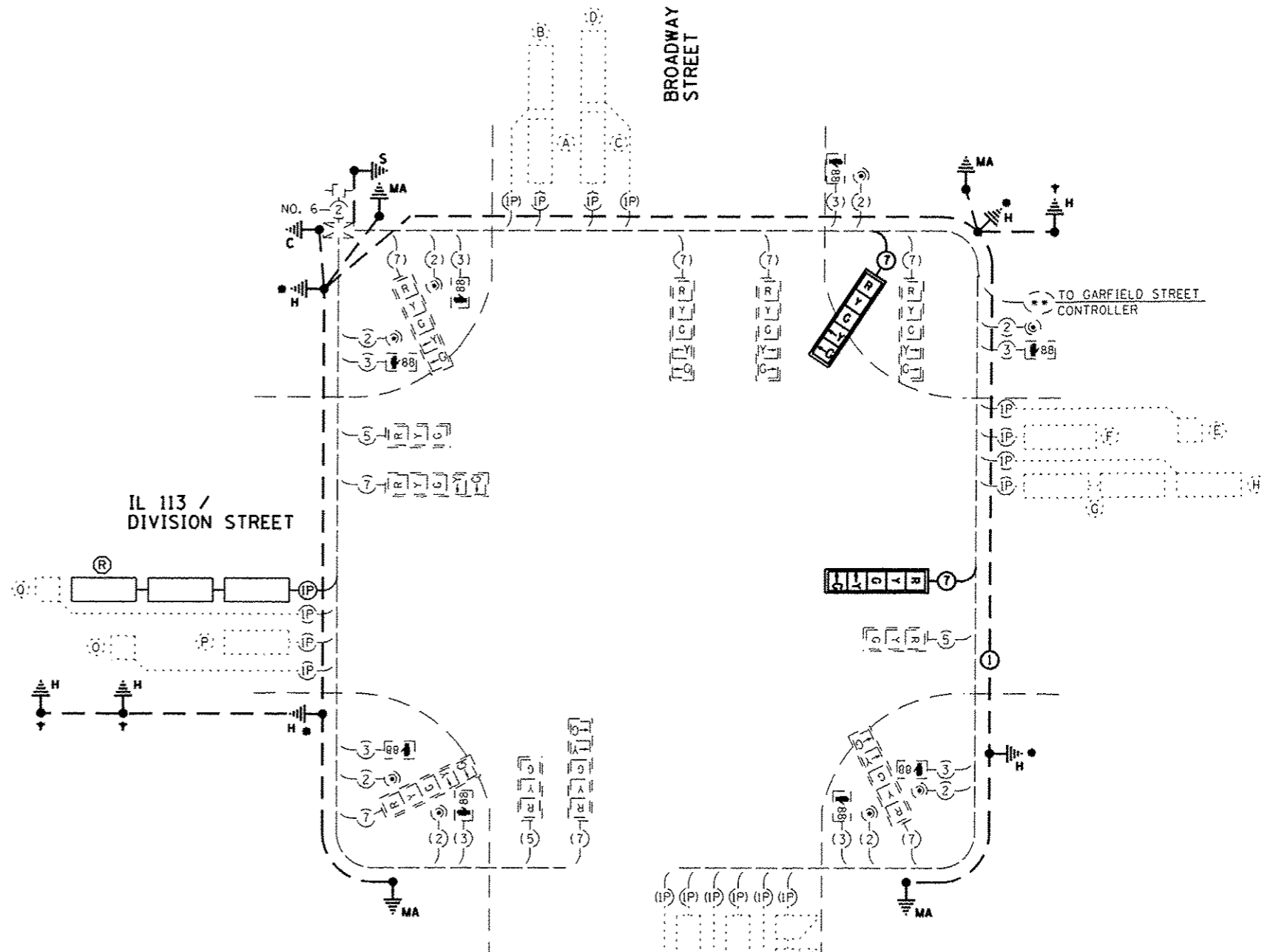
HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE, THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE ONE (1) 3-SECTION HEAD WITH LED 5-SECTION HEAD.

ADD ONE (1) BRACKET MOUNTED LED 5-SECTION HEAD. BRACKET SHALL EXTEND FAR ENOUGH AWAY FROM MAST ARM POLE TO ALLOW PLACEMENT OF THE NEW 5-SECTION HEAD WITHOUT CHANGING THE PLACEMENT OF THE EXISTING SIGNAL EQUIPMENT ON THE MAST ARM POLE.

GROUND EXISTING TRAFFIC SIGNAL STRUCTURES.

ADD LOOP DETECTOR FOR EASTBOUND LEFT-TURN LANE.



- DENOTES GROUND EXISTING HANDHOLE. SEE MISCELLANEOUS DETAILS
- ▼ DENOTES GROUNDING EXISTING HANDHOLE FRAME AND COVER, SEE HIGHWAY STANDARD 873001

FILE NAME : 0366C67-SHT-TS-C-C-IL113-BROADWAY.DGN

USER NAME : --

DESIGNED : ---

REVISED : ---

DRAWN : ARR/NV

REVISED : ---

PLOT SCALE : 1" = 20'

PLOT DATE : 03/13

CHECKED : PM

DATE : 03/13

REVISI

REVISI

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
COAL CITY - S.B.I. 113 (IL 113)/DIVISION ST AND BROADWAY ST

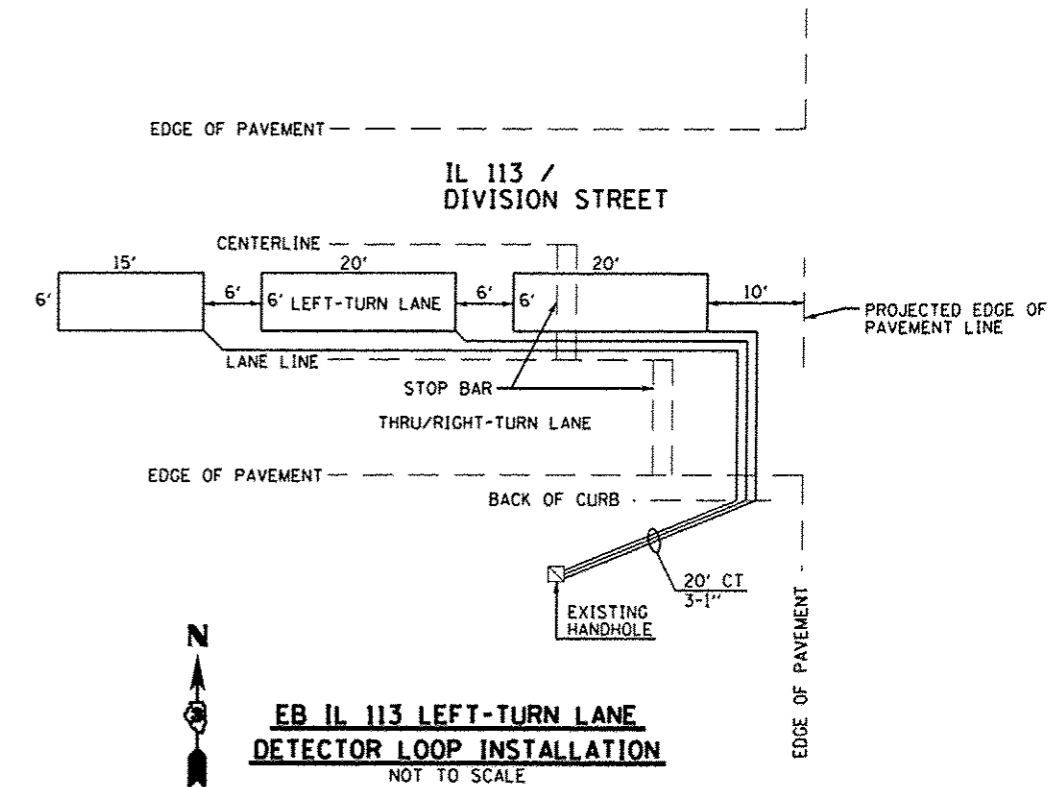
SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. ___ TO STA. ___

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	38	22
			CONTRACT NO. 66C67	
ILLINOIS FED. AID PROJECT				

* DEKALB, GRUNDY, KANKAKEE & LASALLE

DETECTOR LOOP INDUCTANCE CHART			
DETECTOR LOOP SYSTEM	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)
A	4	217	41,432
B	4	217	41,432
C	4	270	37,143
D	4	271	37,075
E	6	344	32,907
F	4	234	34,216
G	4	347	24,096
H	5	271	37,075
I	5	443	28,970
J	5	223	40,871
K	5	331	26,486
L	5	289	35,902
M	5	767	22,038
N	5	296	35,475
O	6	343	32,859
P	4	286	34,089
Q	5	219	41,242
R	4	809	21,458

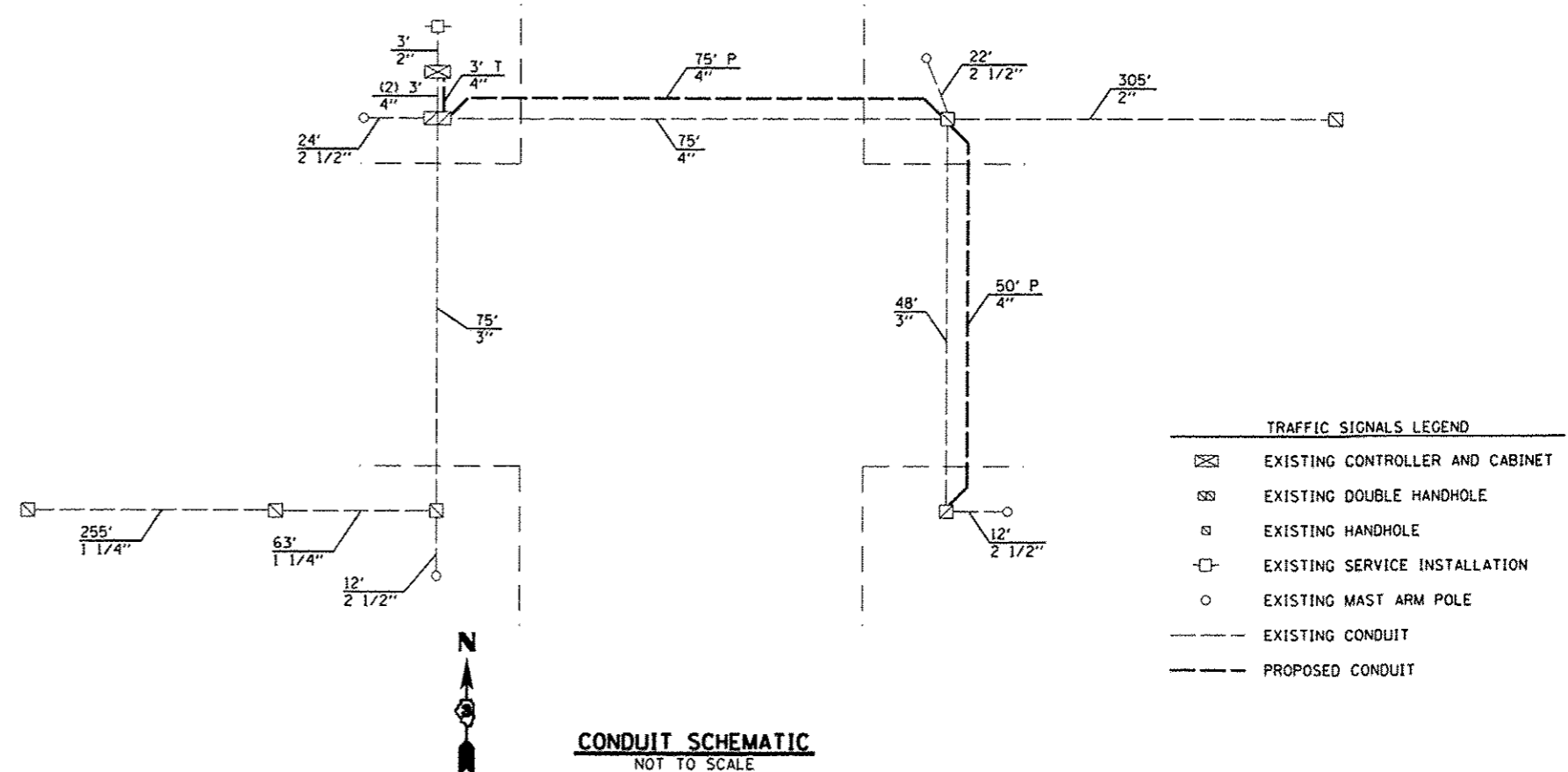
ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 113	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
	VEHICLE DETECTORS	4	20	100
	BROADWAY STREET	RED	7	11
	YELLOW	7	22	25
	GREEN	7	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
	YELLOW ARROW RT.	2	10	10
	GREEN ARROW RT.	2	11	10
	VEHICLE DETECTORS	4	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100
	VEHICLE DETECTORS	18	4	100



THERE MAY BE ADDITIONAL ELECTRICAL LOADS DUE TO LIGHTING AND EMERGENCY VEHICLE DETECTION EQUIPMENT.
 AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
 VILLAGE OF COAL CITY

SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	66
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	141
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	3
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	373
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	108
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1048
87900100	DRILL EXISTING FOUNDATION	EACH	1
87900200	DRILL EXISTING HANDHOLE	EACH	5
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
88500100	INDUCTIVE LOOP DETECTOR	EACH	1
88600100	DETECTOR LOOP, TYPE I	FOOT	360
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	225
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X8140102	GROUND EXISTING HANDHOLE	EACH	4
X8660100	LOOP DETECTOR TESTING	EACH	1
Z0007420	SIDEWALK REPAIR (SPECIAL)	SQ FT	20



ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52/ KENNEDY DRIVE	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
BROOKMONT BLVD	RED	3	11	50
	YELLOW	3	22	25
	GREEN	3	15	25
	YELLOW ARROW RT.	2	10	10
	GREEN ARROW RT.	2	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF KANKAKEE

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	RIGHT TURN GREEN
	RIGHT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

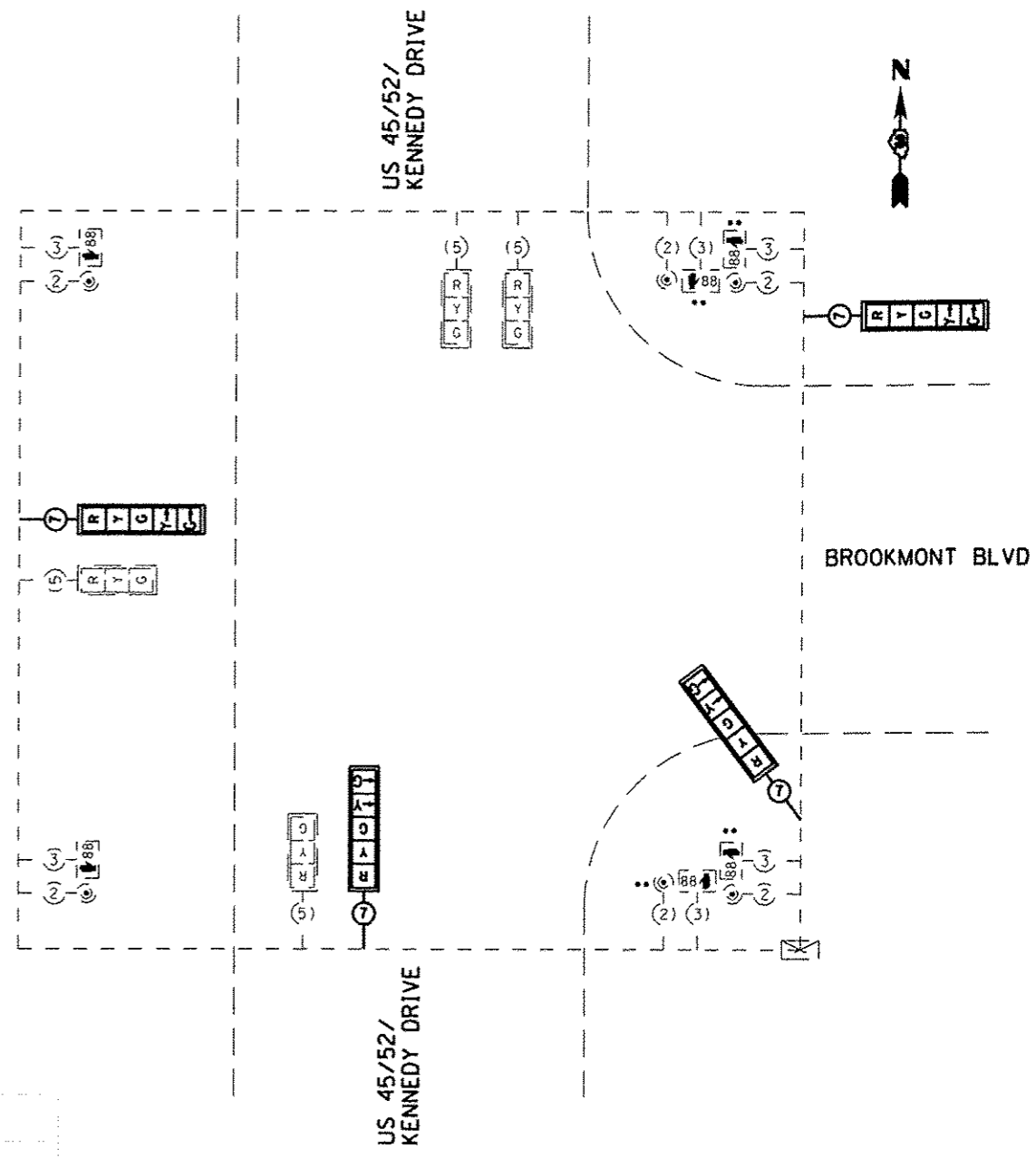
HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE FOUR (4) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

•• RELOCATE FOUR (4) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST AND SOUTHEAST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.

SCHEDULE OF QUANTITIES (96.7% STATE / 3.3% CITY)

KANKAKEE US 45/52 (KENNEDY DR) & BROOKMONT BLVD			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



PROPOSED CABLE PLAN
NOT TO SCALE

* DEKALB, GRUNDY, KANKAKEE & LASALLE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52/ KENNEDY DRIVE	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
FIFTH AVENUE	RED	4	11	50
	YELLOW	4	22	25
	GREEN	4	15	25
	YELLOW ARROW RT.	1	10	10
	GREEN ARROW RT.	1	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF KANKAKEE

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING SERVICE INSTALLATION
	EXISTING TRAFFIC SIGNAL POST
	EXISTING JUNCTION BOX
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	RIGHT TURN GREEN
	RIGHT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE
	EXISTING CONDUIT
	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
	GROUND ROD AT MAST ARM (MA) OR HANDHOLE (H) OR CONTROLLER (C) OR SERVICE INSTALLATION (S) OR JUNCTION BOX (J)

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 3 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

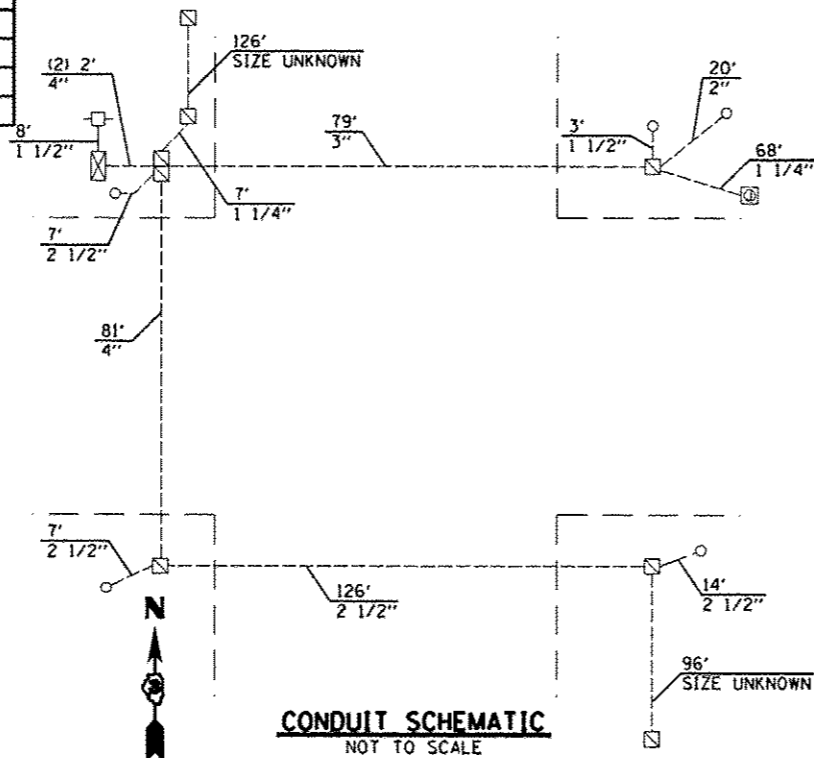
HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE FIVE (5) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

**RELOCATE THREE (3) PEDESTRIAN SIGNAL HEADS AT THE SOUTHEAST AND NORTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.

GROUND EXISTING TRAFFIC SIGNAL STRUCTURES.

ADD ONE (1) LED 5-SECTION HEAD TO NORTHWEST QUADRANT MAST ARM POLE.



SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	4
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	145
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	780
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD *	EACH	3
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X8140102	GROUND EXISTING HANDHOLE	EACH	4

* SEE GENERAL NOTES, ESPECIALLY NUMBER 19

FIFTH AVENUE

FIFTH AVENUE

US 45/52/
KENNEDY DRIVE

PROPOSED CABLE PLAN NOT TO SCALE

■ DENOTES GROUND EXISTING HANDHOLE, SEE MISCELLANEOUS DETAILS

▼ DENOTES GROUND EXISTING HANDHOLE FRAME AND COVER, SEE HIGHWAY STANDARD 873001

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6/ THIRD STREET	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
CREVE COEUR STREET	RED	4	11	50
	YELLOW	4	22	25
	GREEN	4	15	25
	LEFT TURN GREEN	4	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF LASALLE

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

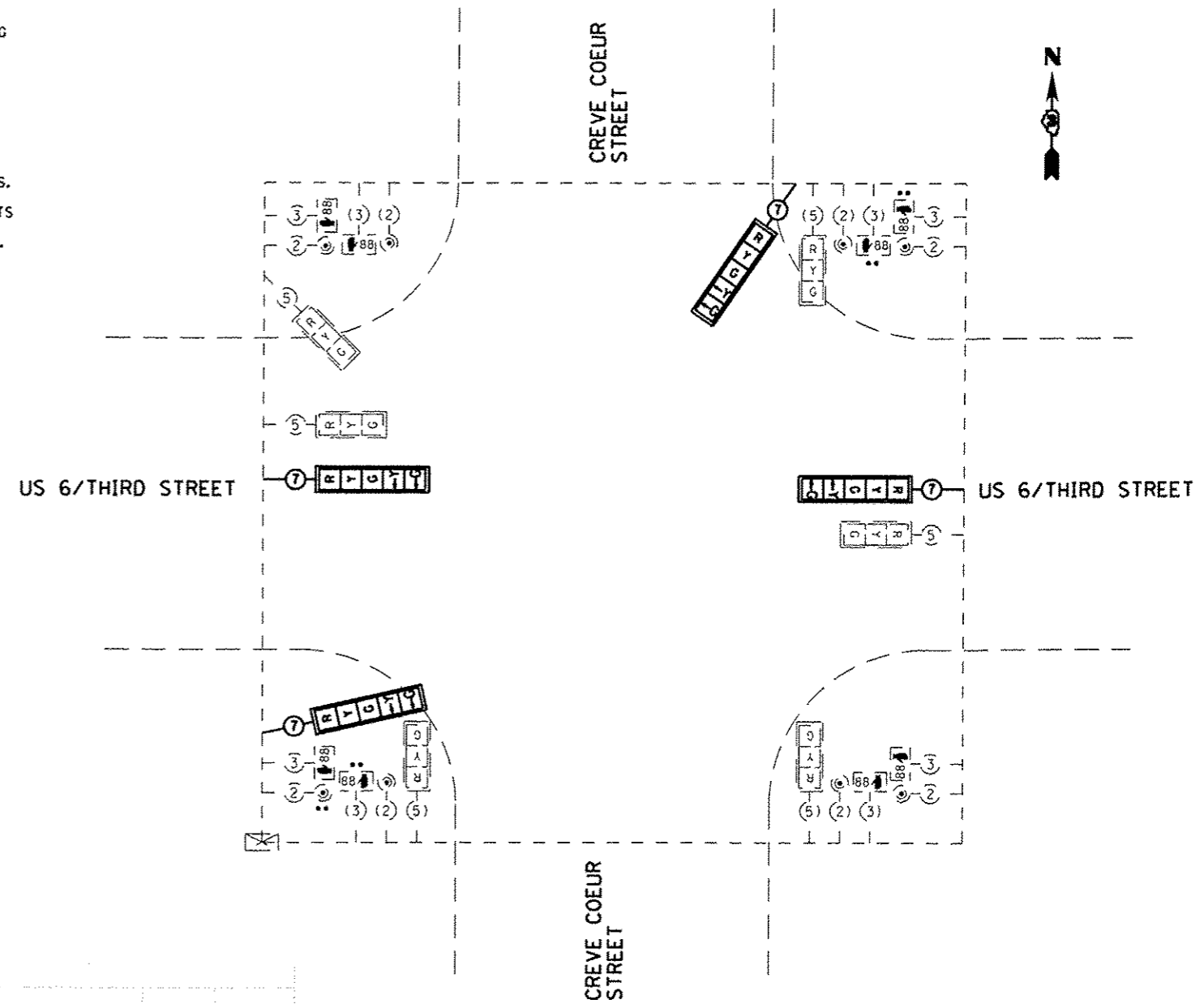
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE FOUR (4) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

- RELOCATE FOUR (4) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST AND SOUTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.



PROPOSED CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

LASALLE US 6 (THIRD ST) & CREVE COEUR ST

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

SEE GENERAL NOTES, ESPECIALLY NUMBER 19

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6/ THIRD STREET	RED	4	11	50
	YELLOW	4	22	25
	GREEN	4	15	25
BUCKLIN STREET		4	20	100
	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	GREEN ARROW LT.	2	10	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF LASALLE

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

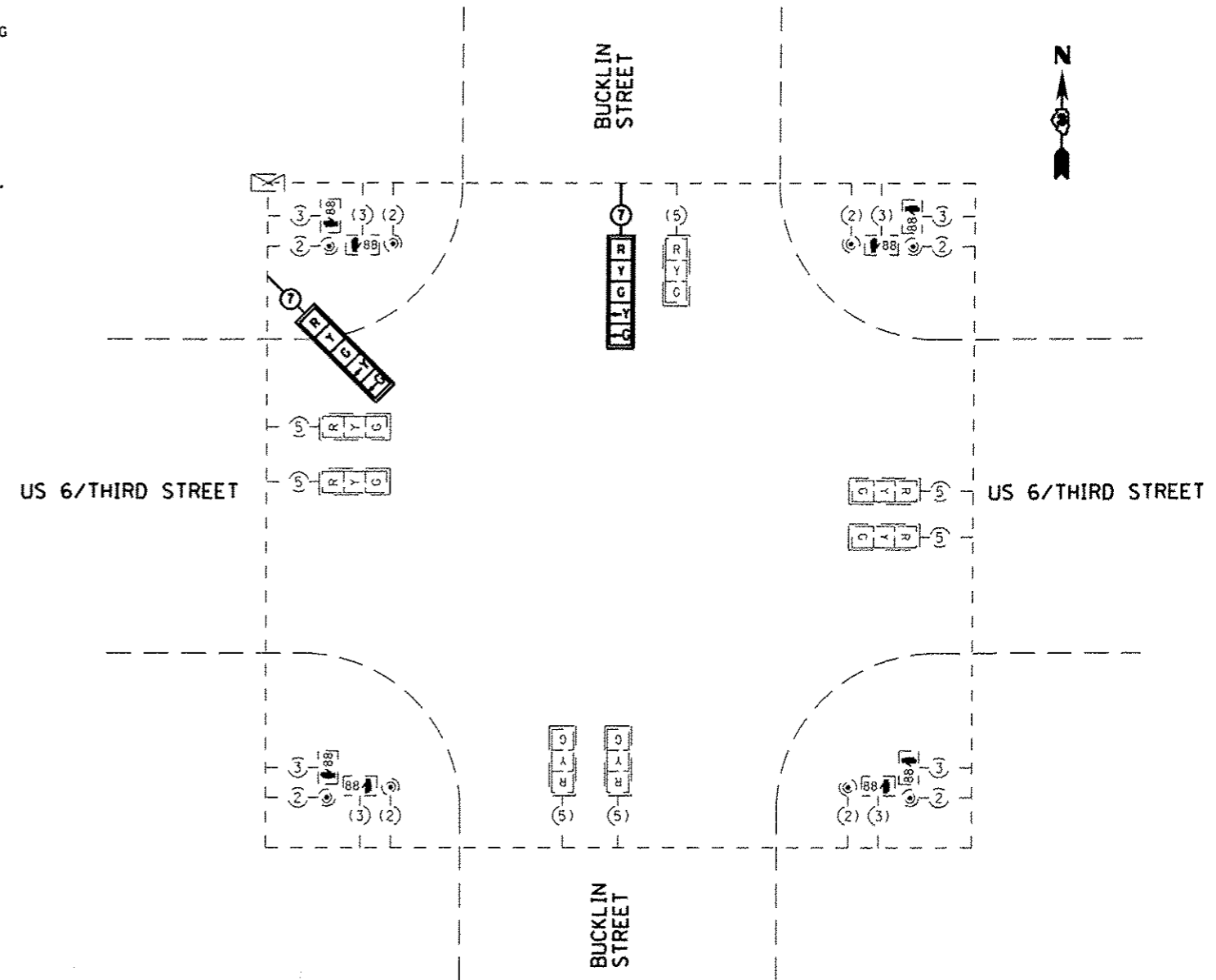
CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE TWO (2) 4-SECTION HEADS WITH LED 5-SECTION HEADS.



PROPOSED CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

LASALLE US 6 (THIRD ST) & BUCKLIN ST

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

FILE NAME : 0366C67-SHT-TS-C-L-US6-BUCKLIN.DGN

USER NAME : --

DESIGNED : --

REVISED : ---

DRAWN : ARR/NV

REVISED : ---

CHECKED : PM

REVISED : ---

DATE : 03/13

REVISED : ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
LASALLE - US 6 (THIRD STREET) & BUCKLIN STREET

SCALE: 1" = 20'

SHEET NO. OF SHEETS

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1	*	38	27

CONTRACT NO. 66C67

ILLINOIS FED. AID PROJECT

* DEKALB, GRUNDY, KANKAKEE & LASALLE

ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6/ FIFTH STREET	RED	4	11	50
	YELLOW	4	22	25
	GREEN	4	15	25
	LED	4	20	100
IL 351/ JOLIET STREET	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
	LED	4	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF LASALLE

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

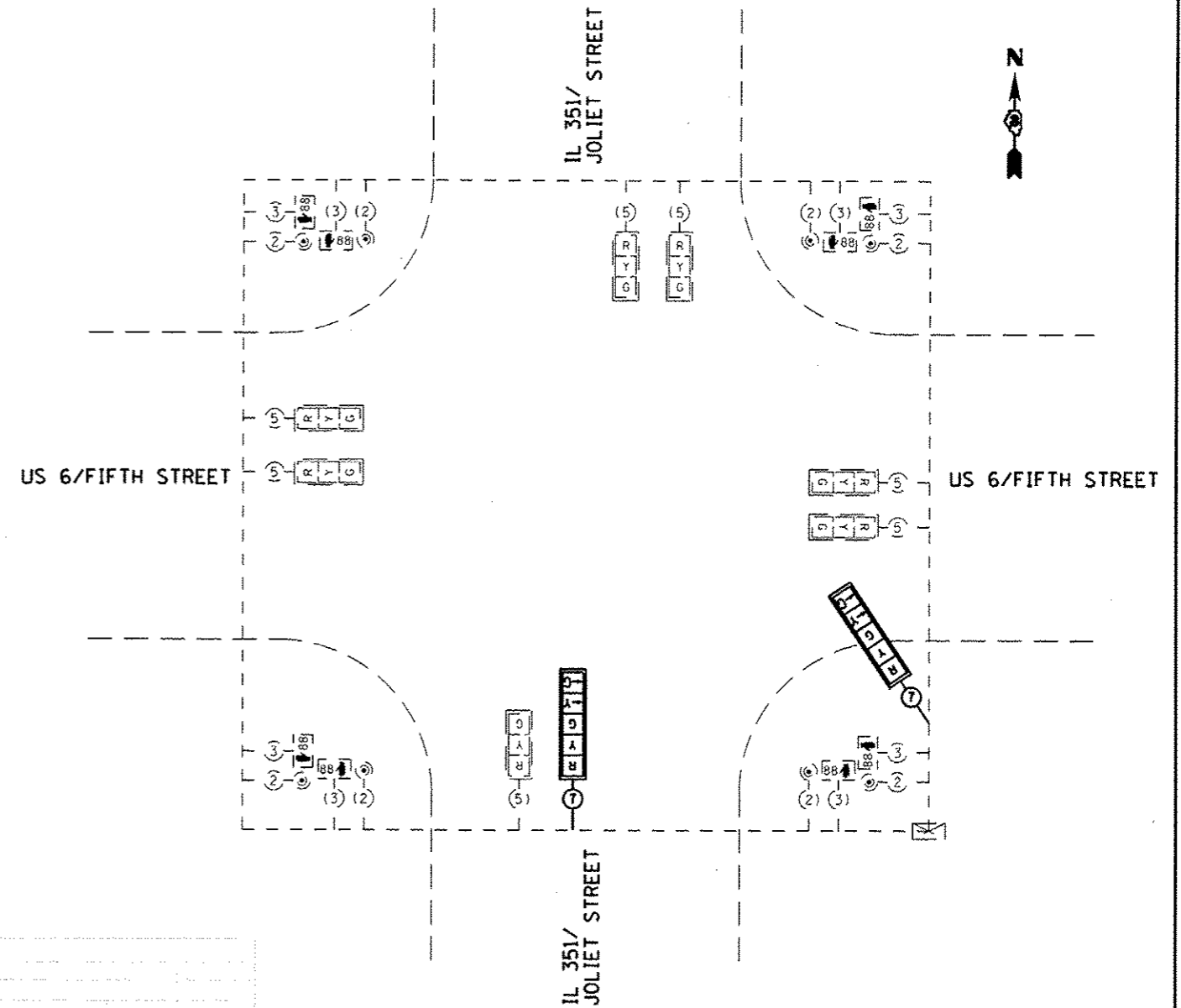
CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE TWO (2) 4-SECTION HEADS WITH LED 5-SECTION HEADS.



PROPOSED CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES (97.5% STATE / 2.5% CITY)

LASALLE IL 351 (JOLIET ST) & US 6 (FIFTH ST)			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

FILE NAME : 036067-SHT-TS-C-1-IL 351-US6.DGN	USER NAME : ---	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE PLAN LASALLE - IL 351 (JOLIET STREET) & US 6 (FIFTH STREET)		F.A. - RTE. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PL01 SCALE : 1" = 20'	CHECKED - PM	REVISOR - ---	REVISOR - ---		SCALE: 1" = 20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	--	D-3 LED RETROFIT 2013-1	*	38	28
PL01 DATE : 03/13	DATE - 03/13	REVISOR - ---	REVISOR - ---								CONTRACT NO. 66C67	
(ILLINOIS) FED. AID PROJECT												

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 251/ 13TH STREET	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
MERIDEN STREET	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF MENDOTA

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

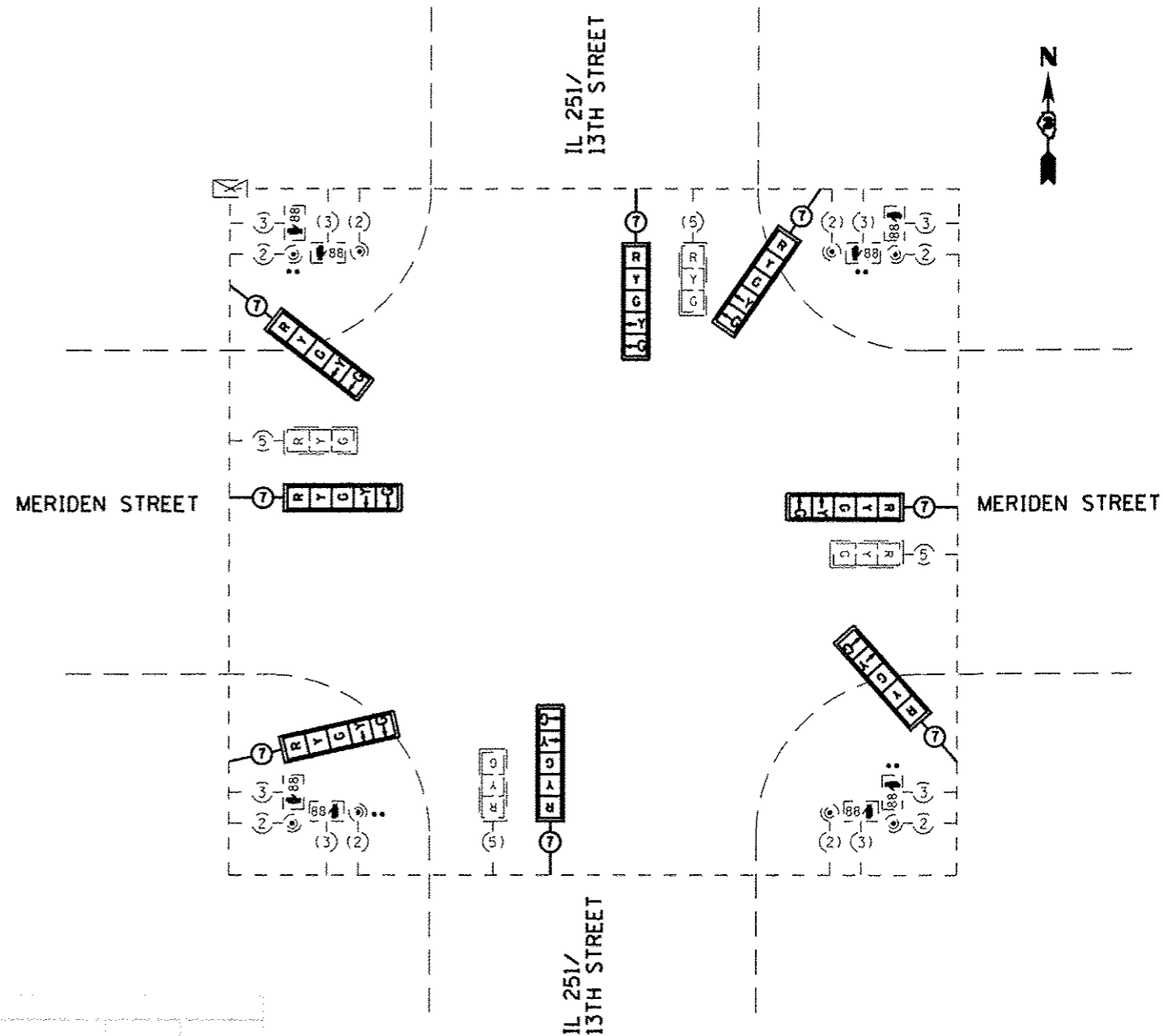
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE EIGHT (8) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

**RELOCATE FOUR (4) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST, SOUTHEAST, SOUTHWEST, AND NORTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.



PROPOSED CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

MENDOTA IL 251 (13TH ST) & MERIDEN ST			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 1/17	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW RT.	4	10	10
	GREEN ARROW RT.	4	11	10
IL 114	RED	3	11	50
	YELLOW	3	22	25
	GREEN	3	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
	☐	2	20	100
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

THERE MAY BE ADDITIONAL ELECTRICAL LOADS DUE TO LIGHTING AND EMERGENCY VEHICLE DETECTION EQUIPMENT. AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES: STATE OF ILLINOIS

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF 3-SECTION SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE THREE (3) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

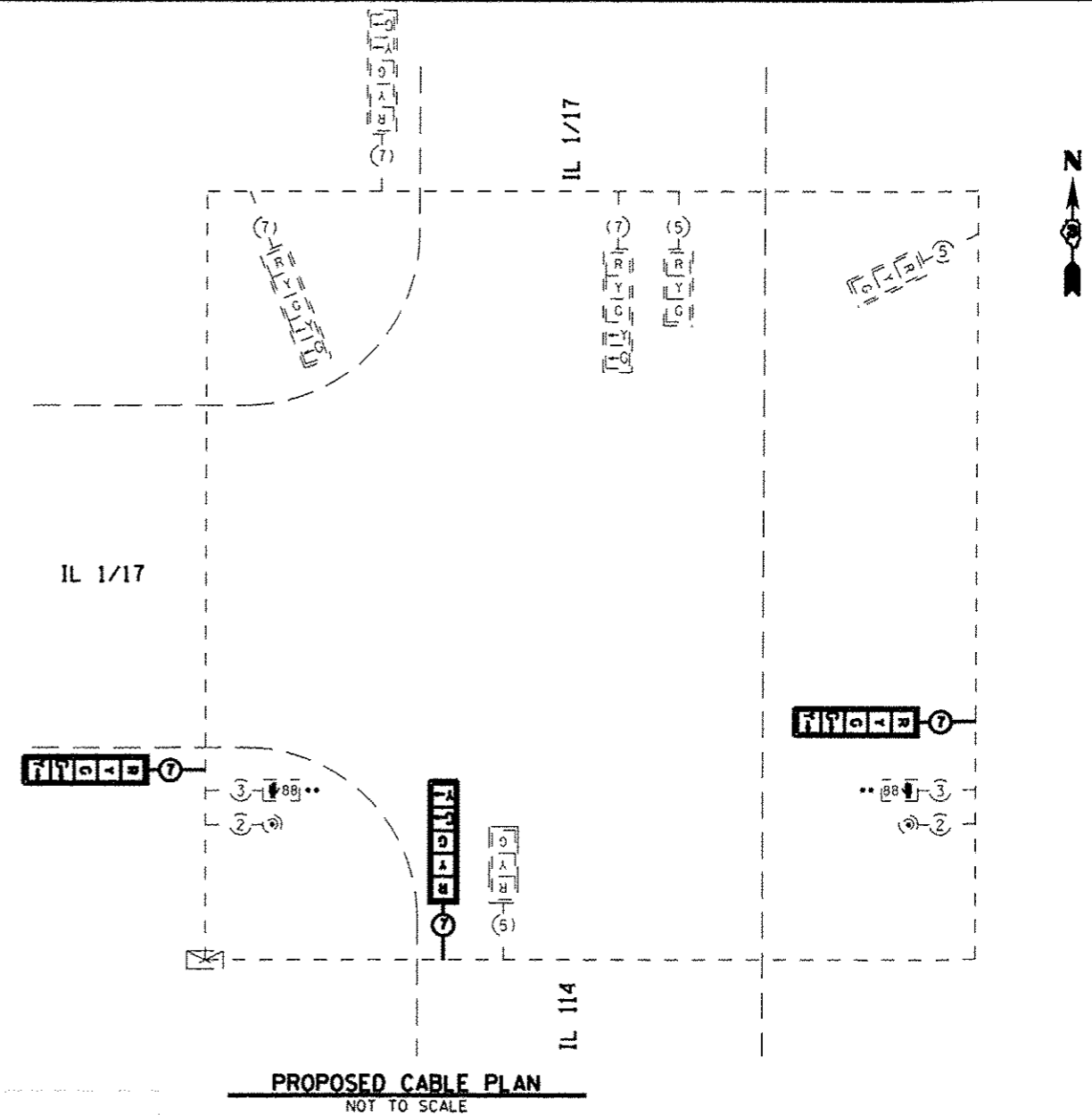
** RELOCATE TWO (2) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE SOUTHEAST AND SOUTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.

TRAFFIC SIGNALS LEGEND

⊙	DENOTES NUMBER OF EXISTING CONDUCTORS
⊙	DENOTES NUMBER OF PROPOSED CONDUCTORS
☒	EXISTING CONTROLLER AND CABINET
☐	EXISTING SIGNAL SECTION 12"
☐	SIGNAL SECTION 12"
☐	RIGHT TURN GREEN
☐	RIGHT TURN YELLOW
⊙	EXISTING PEDESTRIAN PUSH BUTTON
☐	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
☐	EXISTING TRAFFIC SIGNAL BACKPLATE
☐	PROPOSED TRAFFIC SIGNAL BACKPLATE

SCHEDULE OF QUANTITIES (100% STATE / 0% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6/ NORRIS DRIVE	RED	10	11	50
	YELLOW	10	22	25
	GREEN	10	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
LASALLE STREET	RED	10	11	50
	YELLOW	10	22	25
	GREEN	10	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF OTTAWA

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

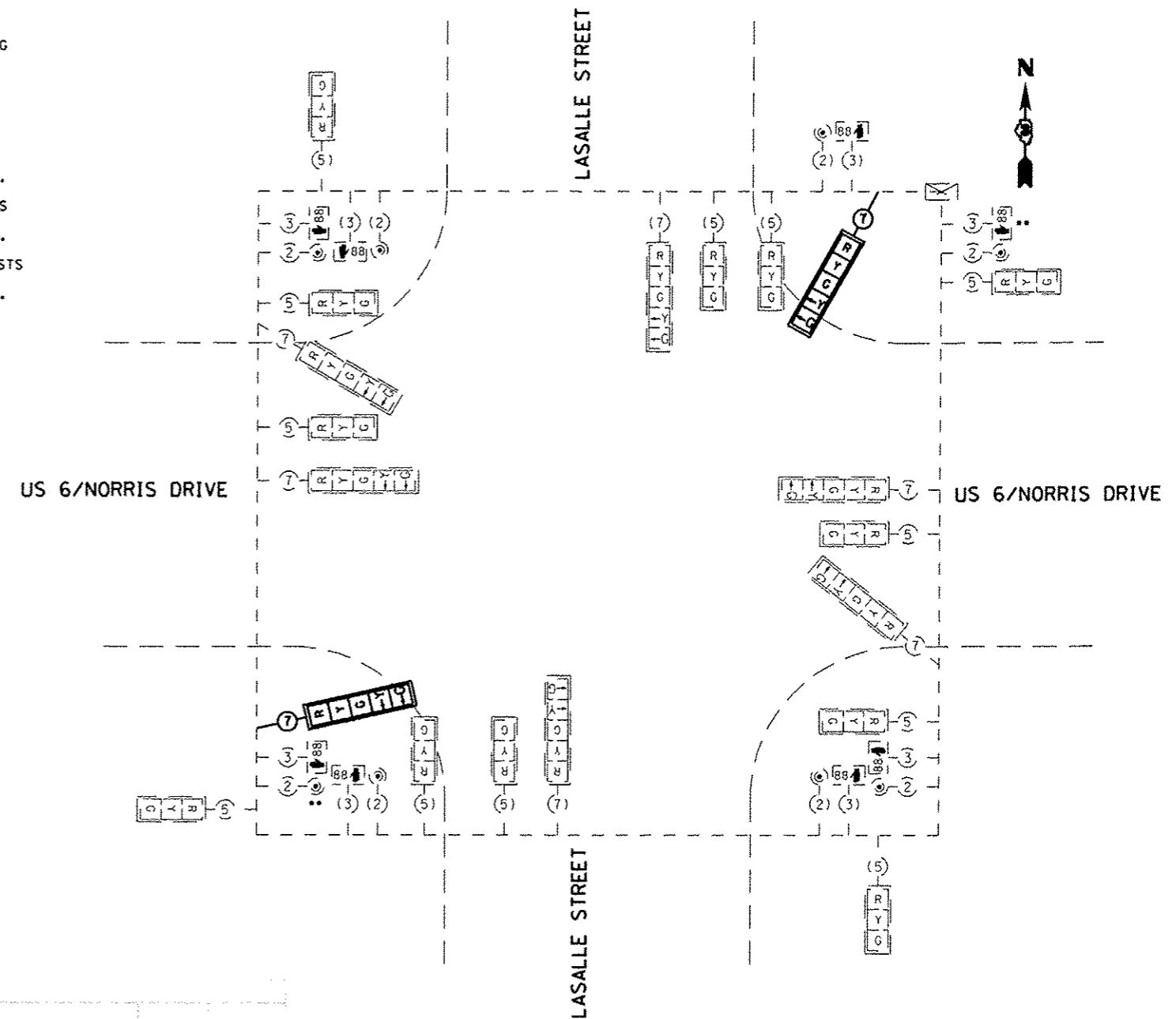
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE TWO (2) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

RELOCATE TWO (2) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST AND SOUTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.

REMOVE AND RE-ERECT TWO (2) EXISTING SIGNS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST AND SOUTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.



SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	2

SEE GENERAL NOTES, ESPECIALLY NUMBER 19

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6/ NORRIS DRIVE	RED	8	11	50
	YELLOW	8	22	25
	GREEN	8	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
IL 23/ COLUMBUS STREET	RED	8	11	50
	YELLOW	8	22	25
	GREEN	8	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
STATE OF ILLINOIS

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

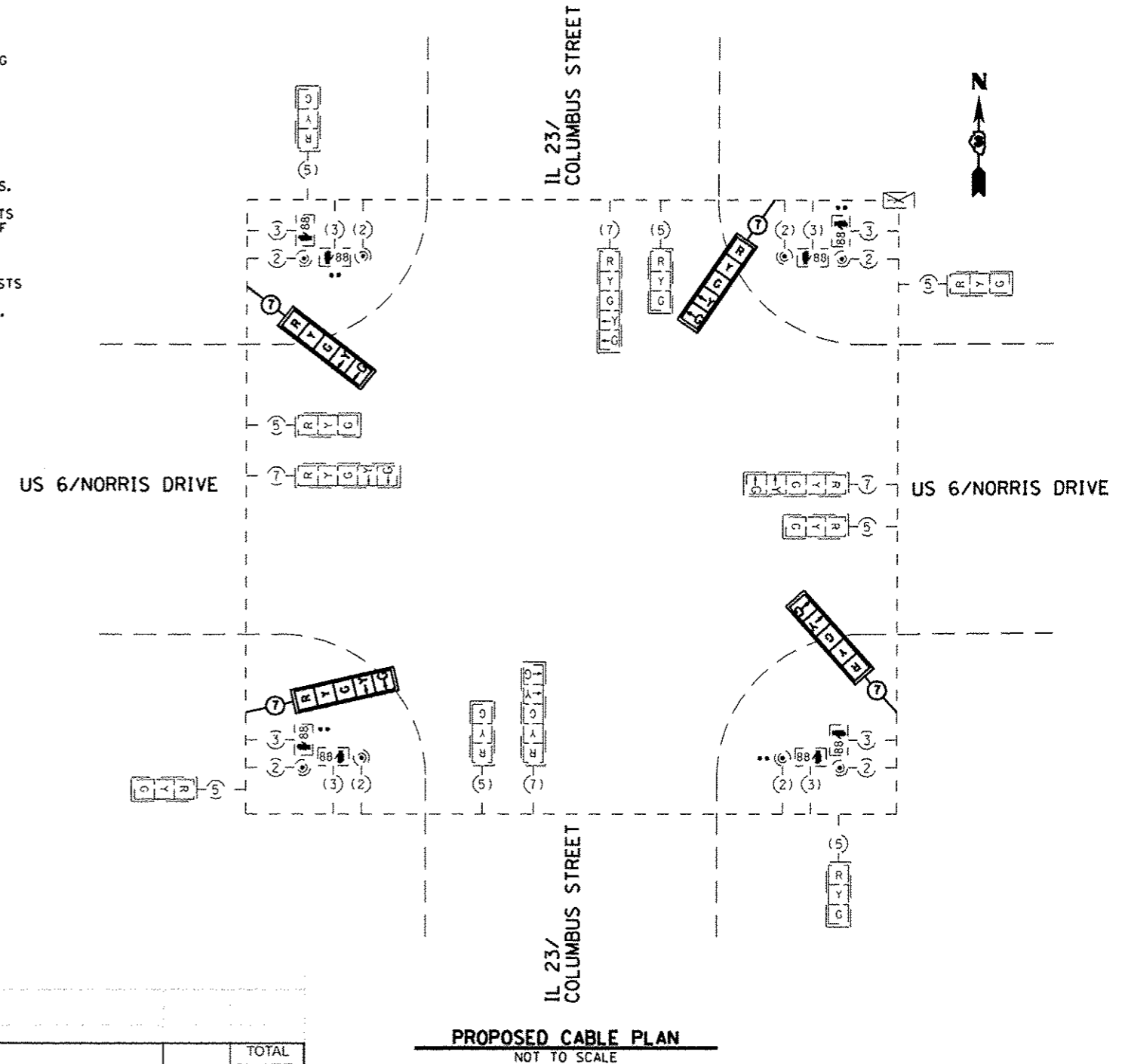
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE FOUR (4) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

**RELOCATE FOUR (4) PEDESTRIAN SIGNAL HEADS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST, SOUTHEAST, SOUTHWEST, AND NORTHWEST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.

REMOVE AND RE-ERECT TWO (2) EXISTING SIGNS AT THE TRAFFIC SIGNAL POSTS IN THE NORTHEAST AND SOUTHEAST QUADRANTS OF THE INTERSECTION AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW 5-SECTION HEADS.



SCHEDULE OF QUANTITIES (100% STATE / 0% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	2

↑ SEE GENERAL NOTES, ESPECIALLY NUMBER 19

FILE NAME :
006667-SHT-TS-C-O-US6-IL23.DGN

USER NAME :
PLOT SCALE = 1" = 20'
PLOT DATE = 03/13

DESIGNED - --
DRAWN - ARR/NV
CHECKED - PM
DATE - 03/13

REVISED - ---
REVISED - ---
REVISED - ---
REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
OTTAWA - US 6 (NORRIS DRIVE) & IL 23 (COLUMBUS STREET)
SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

* DEKALB, GRUNDY, KANKAKEE & LASALLE
SECTION COUNTY TOTAL SHEETS SHEET NO.
D-3 LED RETROFIT 2013-1 * 38 32
CONTRACT NO. 66C67
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	YELLOW ARROW LT.	4	10	10
	GREEN ARROW LT.	4	11	10
CHAMPLAIN STREET	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF OTTAWA

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 3 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 3 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

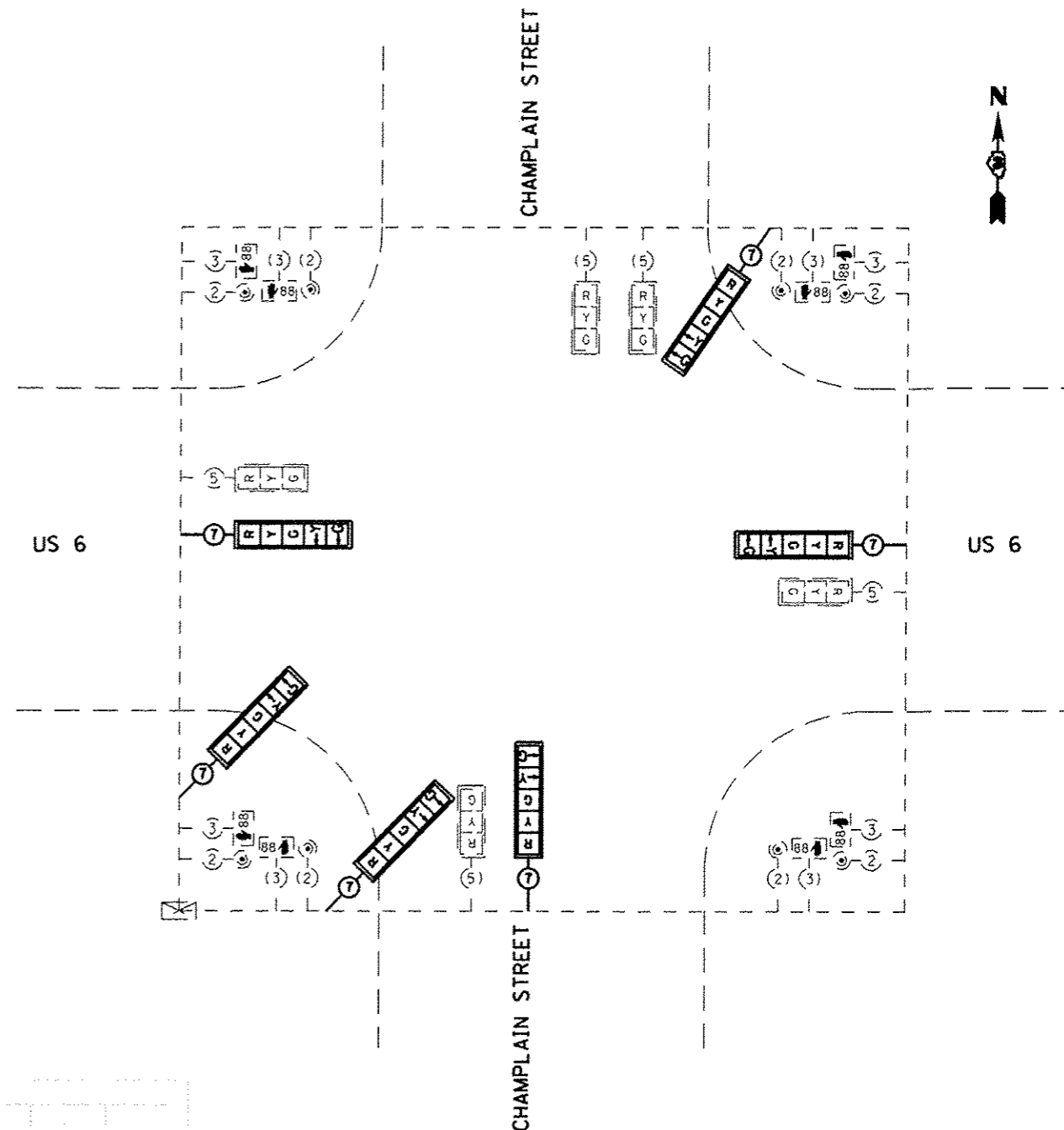
REMOVE AND REPLACE SIX (6) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



PROPOSED CABLE PLAN
NOT TO SCALE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23/ FIRST AVENUE	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
SOUTH TOWNE MALL	RED	3	11	50
	YELLOW	3	22	25
	GREEN	3	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF OTTAWA

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SIGNAL SECTION 12"
	SIGNAL SECTION 12"
	LEFT TURN GREEN
	LEFT TURN YELLOW
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

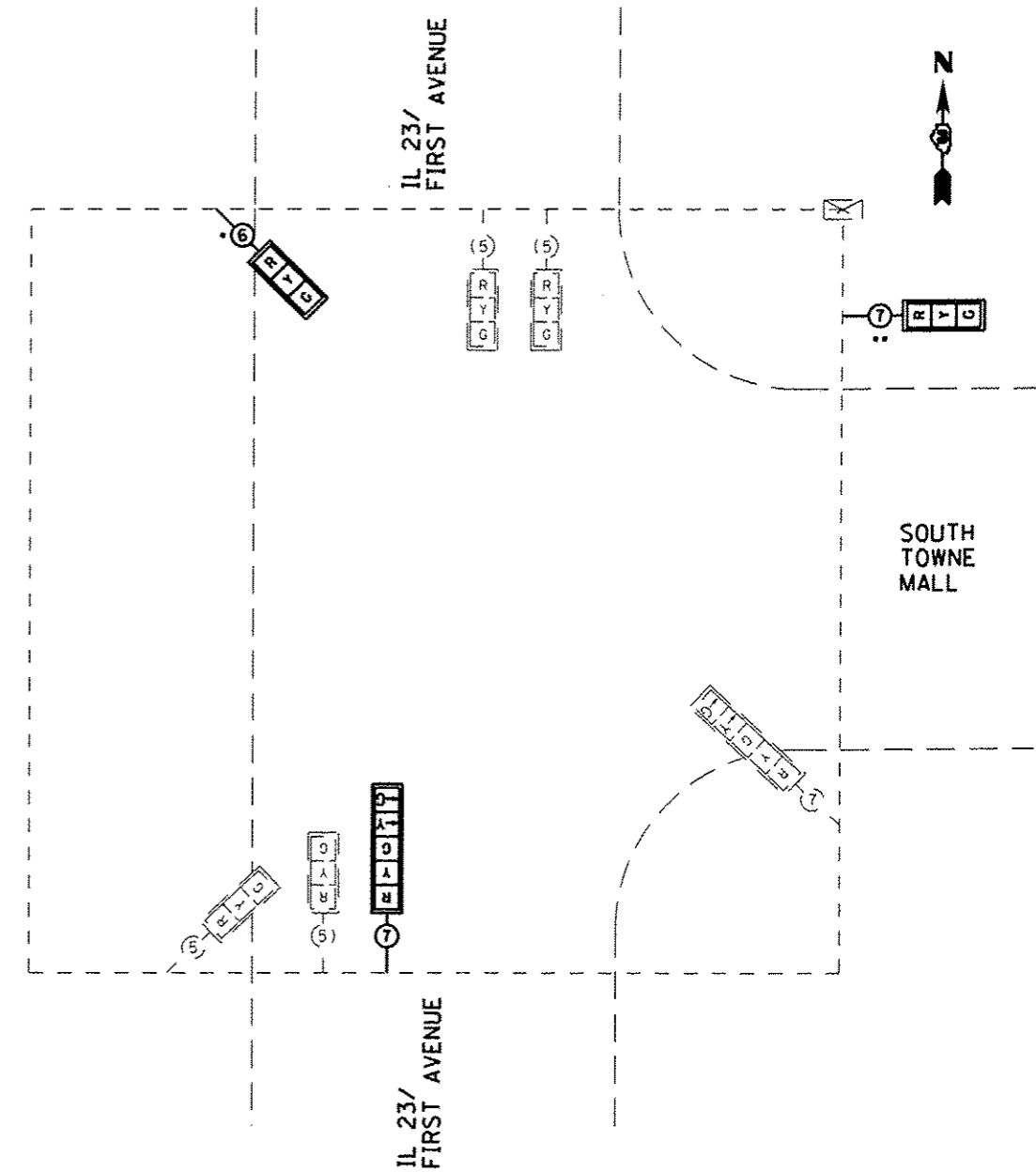
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE TWO (2) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

REMOVE AND REPLACE 4-SECTION HEAD AT TRAFFIC SIGNAL POST IN NORTHWEST QUADRANT WITH LED 3-SECTION HEAD.

REMOVE AND REPLACE 5-SECTION HEAD AT TRAFFIC SIGNAL POST IN NORTHEAST QUADRANT WITH LED 3-SECTION HEAD.



PROPOSED CABLE PLAN

NOT TO SCALE

- REUSE CABLE FROM EXISTING 4-SECTION SIGNAL HEAD FOR NEW 3-SECTION SIGNAL HEAD
- REUSE CABLE FROM EXISTING 5-SECTION SIGNAL HEAD FOR NEW 3-SECTION SIGNAL HEAD

SCHEDULE OF QUANTITIES (96.7% STATE / 3.3% CITY)

OTTAWA IL 23 (FIRST AVE) & SOUTH TOWNE MALL			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

FILE NAME :
0366C67-SHT-TS-C-0-IL23-S10WNE-MALL.DGN

USER NAME : --
DESIGNED - --
DRAWN - ARR/NV
CHECKED - PM
DATE - 03/13

REVISED - ---
REVISED - ---
REVISED - ---
REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
OTTAWA - IL 23 (FIRST AVENUE) & SOUTH TOWNE MALL

SCALE: 1" = 20'
SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
D-3 LED RETROFIT 2013-1 - 39 34
CONTRACT NO. 66C67
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 30	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	(R) (Y) (G)	8	20	100
ELM STREET	RED	6	11	50
	YELLOW	6	22	25
	GREEN	6	15	25
	GREEN ARROW LT.	2	11	10
TRAFFIC SIGNAL CABINET	(R) (Y) (G)	4	20	100
	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
VILLAGE OF WATERMAN

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO LIGHTING, ILLUMINATED SIGNS, OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

CONSTRUCTION NOTES:

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
1 EACH - TRAFFIC SIGNAL POST, 10 FT.
1 EACH - TRAFFIC SIGNAL POST, 12 FT.

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE AND REPLACE ONE (1) 10 FT. TRAFFIC SIGNAL POST IN THE NORTHEAST ISLAND WITH A 13 FT. TRAFFIC SIGNAL POST.

REMOVE AND REPLACE ONE (1) 12 FT. TRAFFIC SIGNAL POST IN THE SOUTHWEST ISLAND WITH A 15 FT. TRAFFIC SIGNAL POST.

REMOVE AND RE-ERECT THE FOLLOWING SIGNS AS DIRECTED BY THE ENGINEER TO ALLOW PLACEMENT OF NEW TRAFFIC SIGNAL EQUIPMENT:



AT NORTHEAST AND SOUTHWEST ISLAND TRAFFIC SIGNAL POSTS



AT SOUTHWEST QUADRANT MAST ARM POLE

THE TRAFFIC SIGNAL SYSTEM SHALL BE SET TO ALL FLASHING RED IF ANY PART OF THE SIGNAL SYSTEM IS NOT OPERATIONAL OVER NIGHT.

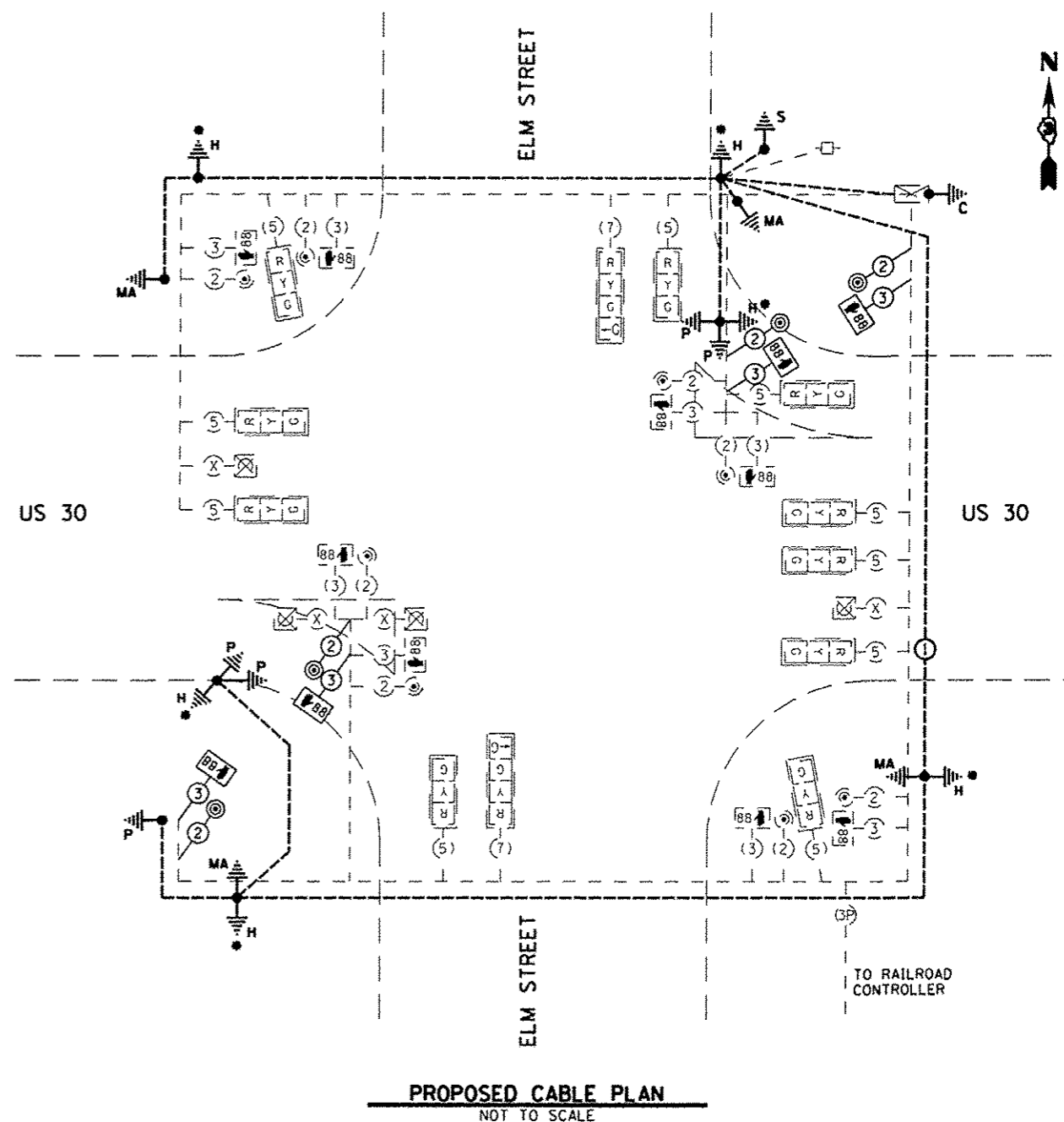
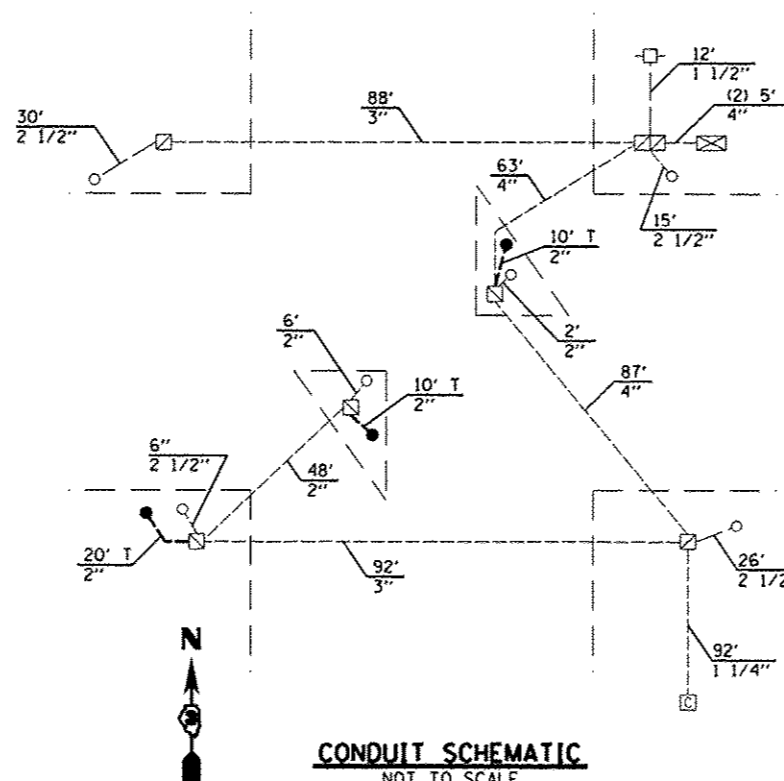
RELOCATE TWO (2) ILLUMINATED SIGNS AT THE SOUTHWEST ISLAND FROM THE EXISTING 12 FT. TRAFFIC SIGNAL POST TO THE NEW 15 FT. TRAFFIC SIGNAL POST.

RELOCATE TWO (2) PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS FROM THE EXISTING 12 FT. TRAFFIC SIGNAL POST TO THE NEW 15 FT. TRAFFIC SIGNAL POST.

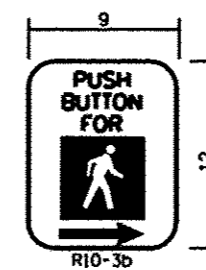
RELOCATE TWO (2) PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS FROM THE EXISTING 10 FT. TRAFFIC SIGNAL POST TO THE NEW 13 FT. TRAFFIC SIGNAL POST.

TRAFFIC SIGNALS LEGEND

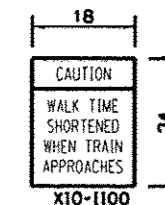
	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING RAILROAD CONTROLLER
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING SERVICE INSTALLATION
	EXISTING TRAFFIC SIGNAL POST
	PROPOSED TRAFFIC SIGNAL POST
	EXISTING SIGNAL SECTION 12"
	EXISTING ILLUMINATED SIGN, LED
	EXISTING PEDESTRIAN PUSH BUTTON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	PROPOSED PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING CONDUIT
	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
	GROUND ROD AT MAST ARM (MA) OR HANDHOLE (H) OR CONTROLLER (C) OR SERVICE INSTALLATION (S)



• DENOTES GROUND EXISTING HANDHOLE, SEE MISCELLANEOUS DETAILS



THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN SIGNAL HEAD PAY ITEM.



THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN AT THE SOUTHWEST QUADRANT AND NORTHEAST QUADRANT MAST ARM POLES AND THIS SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN SIGNAL HEAD PAY ITEM.

FILE NAME : 0366C67-SHT-TS-C-W-US38-ELMST.DGN

USER NAME : --
PLOT SCALE : 1" = 20'
PLOT DATE : 03/13

DESIGNED : --
DRAWN : ARR/NV
CHECKED : PM
DATE : 03/13

REVISED : ---
REVISED : ---
REVISED : ---
REVISED : ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
WATERMAN - US 30 & ELM STREET

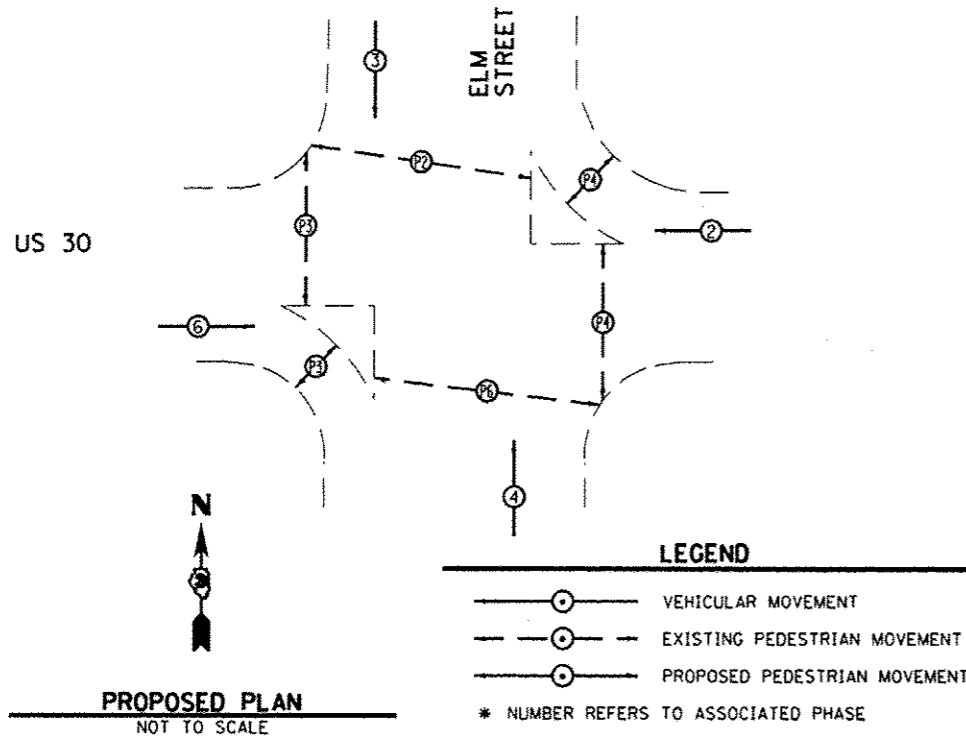
SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE. SECTION COUNTY TOTAL SHEET NO.
D-3 LED RETROFIT 2013-1 * 38 35
CONTRACT NO. 66C67
ILLINOIS FED. AID PROJECT

* DEKALB, GRUNDY, KANKAKEE & LASALLE

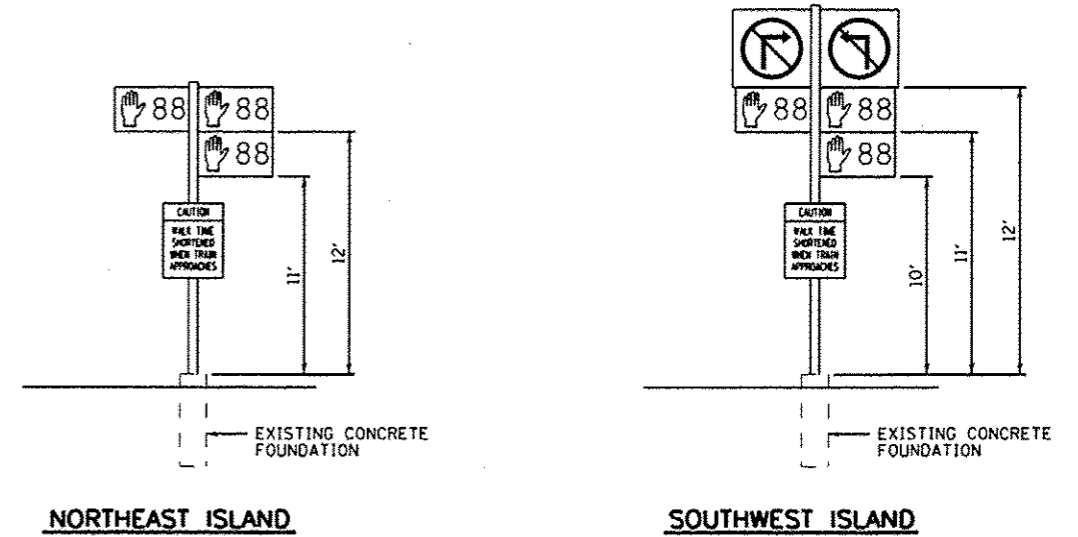
CONTROLLER SEQUENCE

NAME OF INTERSECTION: US 30 & ELM STREET
SEE HIGHWAY STANDARD 857001 FOR PHASE DESIGNATIONS



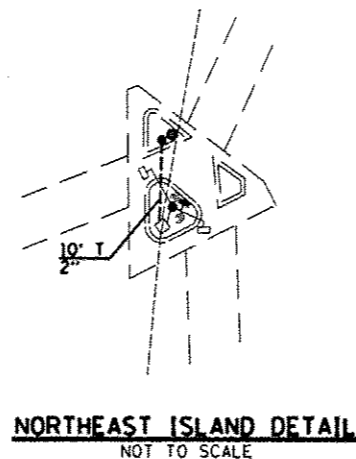
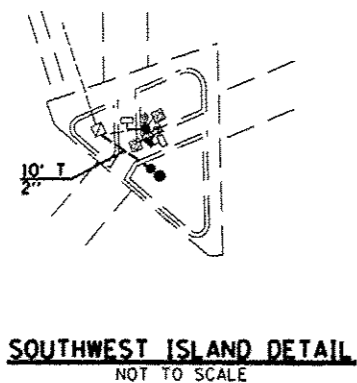
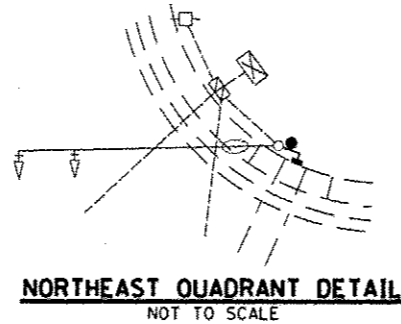
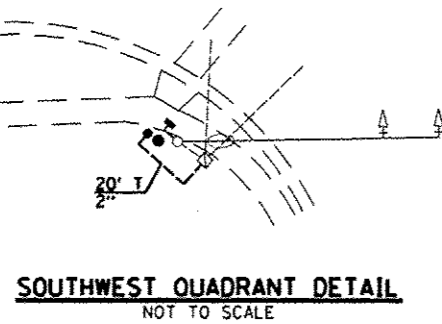
TRAFFIC SIGNALS LEGEND

	EXISTING CONTROLLER AND CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED PEDESTRIAN PUSH BUTTON
	EXISTING TRAFFIC SIGNAL POST
	PROPOSED TRAFFIC SIGNAL POST
	EXISTING PEDESTRIAN SIGNAL HEAD
	PROPOSED PEDESTRIAN SIGNAL HEAD
	EXISTING SIGNAL HEAD WITH BACKPLATE
	EXISTING ILLUMINATED SIGN
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE



SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	44
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	917
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	946
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	650
87502470	TRAFFIC SIGNAL POST, GALVANIZED STEEL 13 FT.	EACH	1
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
87601200	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	3
87900200	DRILL EXISTING HANDHOLE	EACH	3
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88800100	PEDESTRIAN PUSH BUTTON	EACH	4
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
89500300	RELOCATE EXISTING ILLUMINATED SIGN	EACH	2
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
X4402815	ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	20
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	3
X8140102	GROUND EXISTING HANDHOLE	EACH	6



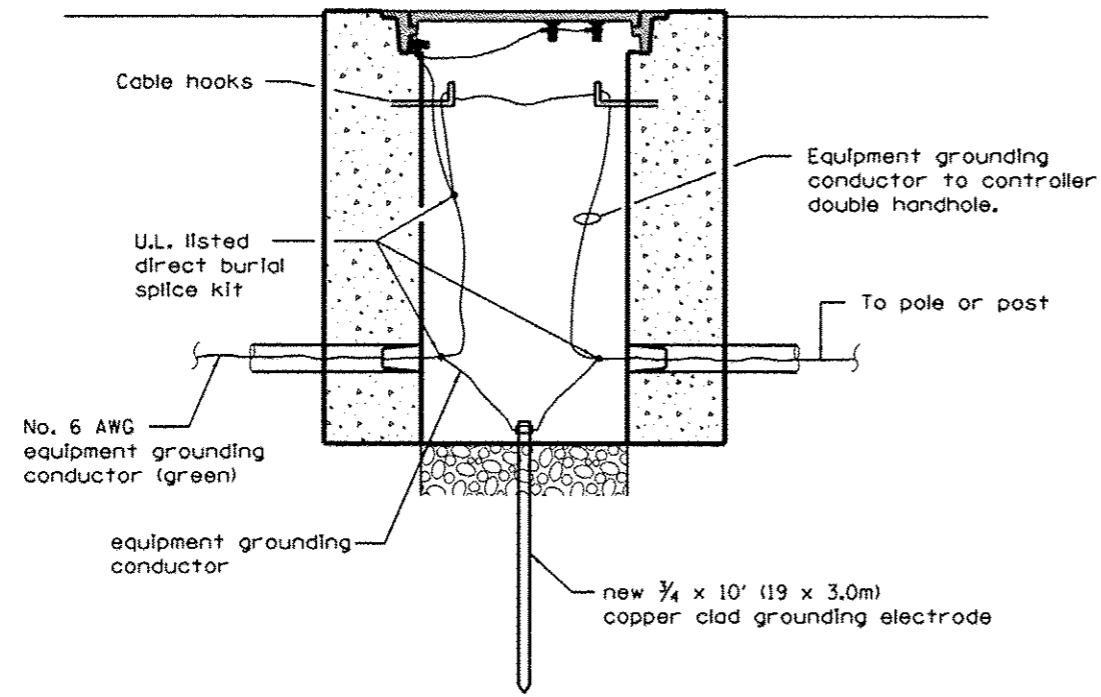
FILE NAME : D366C67-SHT-TS-C-W-US30-ELMST-2.DGN	USER NAME : --	DESIGNED : --	REVISED : ---
		DRAWN : ARR/NV	REVISED : ---
		CHECKED : PM	REVISED : ---
		DATE : 03/13	REVISED : ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

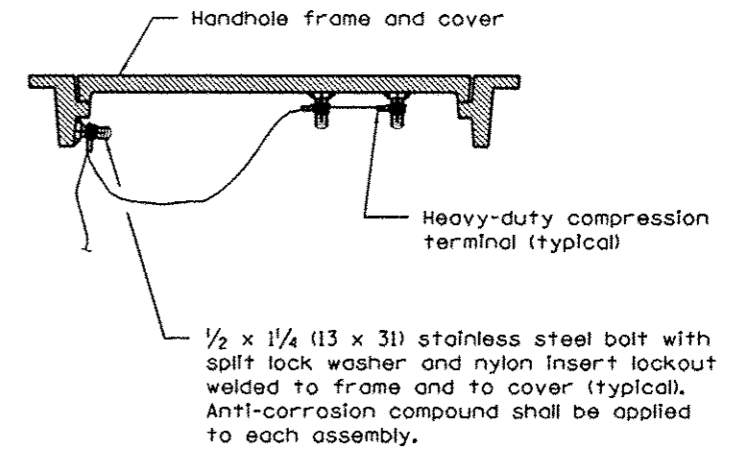
TRAFFIC SIGNAL CABLE PLAN
WATERMAN - US 30 & ELM STREET
SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2013-1		38	36
			CONTRACT NO. 66C67	
ILLINOIS FED. AID PROJECT				

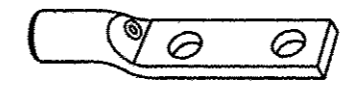
* DEKALB, GRUNDY, KANKAKEE & LASALLE



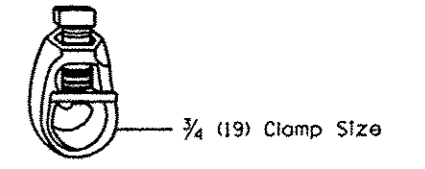
GROUNDING AN EXISTING HANDHOLE



BONDING AN EXISTING HANDHOLE COVER & FRAME



HEAVY-DUTY COMPRESSION TERMINAL



HEAVY-DUTY GROUND ROD CLAMP

FILE NAME : 0366C67-SHT-DETAILS.DGN	USER NAME : --	DESIGNED - --	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MISCELLANEOUS DETAILS	F.A.R. RTE.:		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : N/A	DRAWN - NV	REVISED - ---			--	D-3 LED RETROFIT 2013-1	*	38	38	
	PLOT DATE : 03/13	CHECKED - PM	REVISED - ---			CONTRACT NO. 66C67					
	DATE - 03/13	DATE - 03/13	REVISED - ---			ILLINOIS FED. AID PROJECT					
					SCALE: N/A	SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____			