

INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3. SUMMARY OF QUANTITIES
- 4-9. INTERSECTION LOCATION MAPS
- 10-11. SCHEDULE OF QUANTITIES
- 12. CABLE PLAN - STATE
- 13. CABLE PLAN - WATSEKA
- 14. CABLE PLAN - KANKAKEE
- 15-17. CABLE PLAN - MOMENCE

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701011-02 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701101-02 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
- 701502-04 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701601-07 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701606-08 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-02 TRAFFIC CONTROL DEVICES
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

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

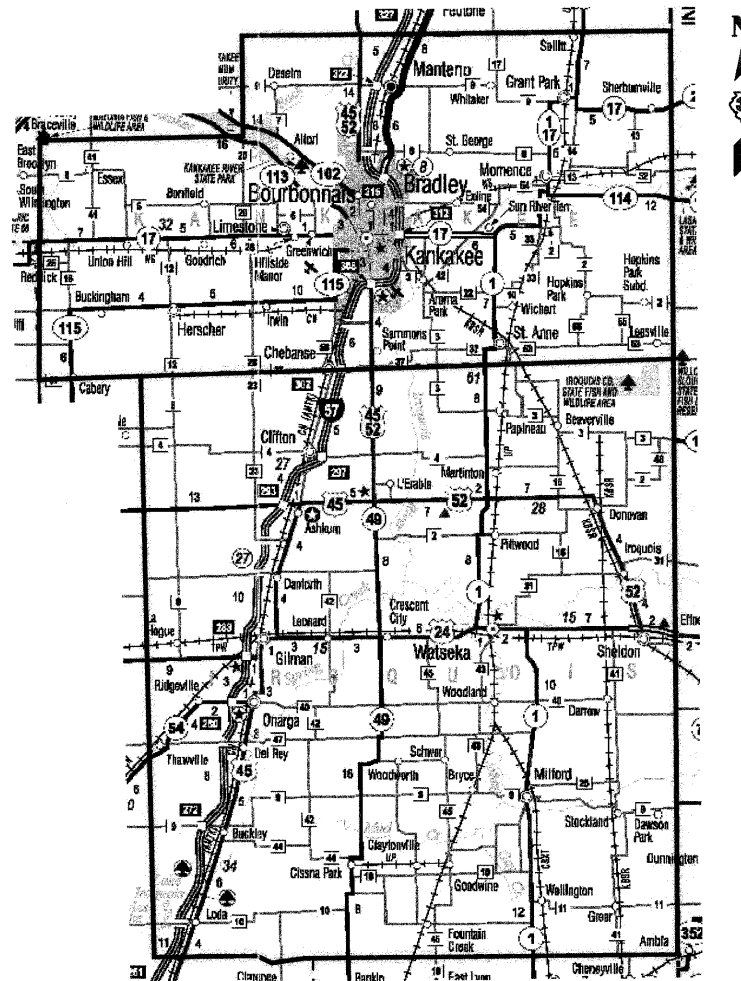
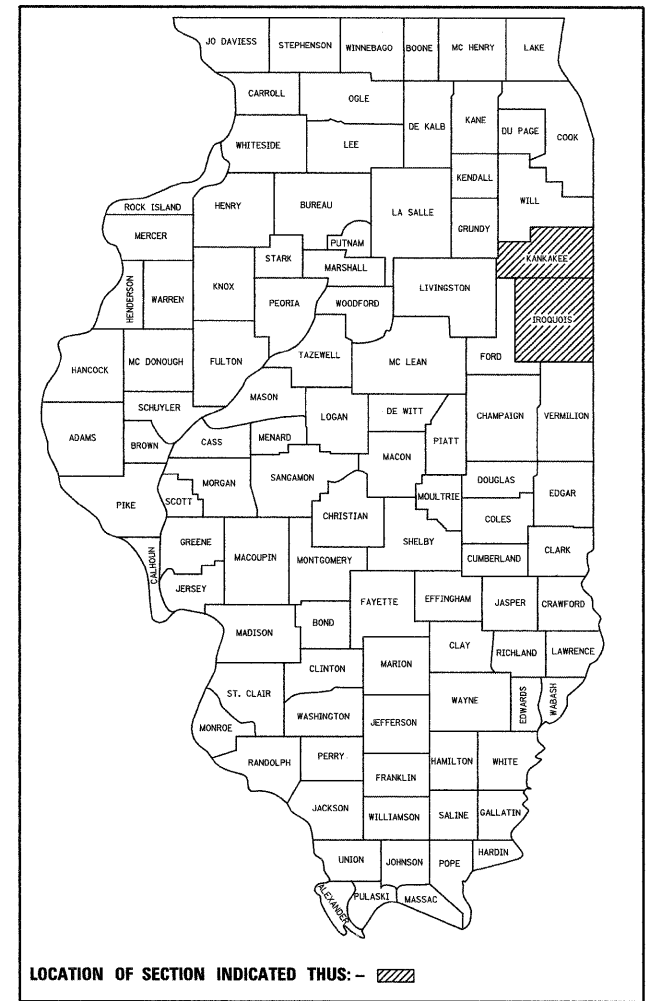
VARIOUS ROUTES
SECTION D-3 LED RETROFIT 2012-4

KANKAKEE & IROQUOIS COUNTIES
C-93-142-11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-3 LED RETROFIT 2012-4			17	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66B57		

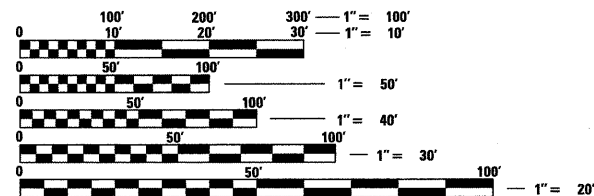
• KANKAKEE & IROQUOIS

D-93-092-11



CITIES

- WATSEKA
- BOURBONNAIS
- BRADLEY
- KANKAKEE
- MOMENCE



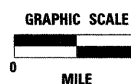
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

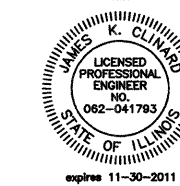
PROJECT ENGINEER: TOM HUFNAGEL, P.E.
 UNIT CHIEF: DAN DEVINE, P.E.

CONTRACT NO. 66B57

LOCATION MAP



10/23/2011
 date



signature
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-001717

CHAMLIN & ASSOCIATES
 PERU ILLINOIS MORRIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 10/28 20 11

Eric J. Blum
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 9, 20 11
Scott E. Stitt, P.E.
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 20 11
William R. Frenka
 Interim DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

TRAFFIC SIGNAL GENERAL NOTES

- THE CONTRACTOR SHALL CONTACT THE APPROPRIATE CITY A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
 - WATSEKA 815-432-2711
 - BOURBONNAIS 815-937-3570
 - BRADLEY 815-932-2125
 - KANKAKEE 815-933-0480
 - MOMENCE 815-472-2001
- THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
- 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.
- 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.
- ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
- 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.
- 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.
- ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED; CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
- ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
- CONTRACTOR PERSONNEL AND EQUIPMENT SHALL NOT BE LOCATED WITHIN 50' OF THE CENTERLINE OF ANY RAILROAD TRACK.

APPROVED PROVIDERS FOR LED SIGNAL MODULES ARE:
GENERAL ELECTRIC
DIALIGHT

SEE TABLE FOR PART NUMBERS

DIALIGHT

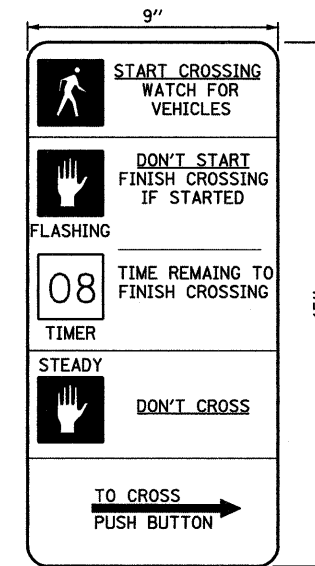
	PART NO.		PART NO.
RED BALL	433-1210-003XL 433-1270-003XL	RED ARROW	432-1314-001XOD 432-1374-001XOD
YELLOW BALL	433-3230-901XL 433-3270-901XL	YELLOW ARROW	431-3334-901XOD 431-3374-901XOD
GREEN BALL	433-2220-001XL 433-2270-001XL	GREEN ARROW	432-2324-001XOD 432-2374-001XOD
COUNTDOWN PEDESTRIAN	430-6479-001X		

GENERAL ELECTRIC

	PART NO.		PART NO.
RED BALL	DR6-RTFB-77A DR6-RCFB-77A	RED ARROW	DR6-RTAAN-17A
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		

R10-3E SIGN SCHEDULE

COUNTY	CITY	INTERSECTION	NUMBER OF R10-3E SIGNS REQUIRED
IROQUOIS	WATSEKA	IL 1 /US 24 (WALNUT ST.) & EIGHTH ST.	8
	BOURBONNAIS	US 45/52 (KENNEDY DR.) & IL 102 (MAIN ST.) /OLIVET ENTRANCE	4
	BOURBONNAIS	US 45/52 & UNIVERSITY AVE	8
	KANKAKEE	IL 17 (COURT ST.) & FIFTH AVE	8
	KANKAKEE	IL 17 (COURT ST.) & ENTRANCE AVE.	8
	KANKAKEE	IL 17 (COURT ST.) & US 45/52 (WASHINGTON AVE.)	4
	KANKAKEE	IL 17 (COURT ST.) & SCHUYLER AVE.	4
	KANKAKEE	IL 17 (COURT ST.) & IL 50 SOUTHBOUND (INDIANA AVE.)	8
	KANKAKEE	IL 17 (COURT ST.) & IL 50 NORTHBOUND (HARRISON AVE.)	8
	KANKAKEE	IL 17 (COURT ST.) & GREENWOOD AVE.	8
	KANKAKEE	IL 17 (COURT ST.) & HOBBIIE AVE.	4
	KANKAKEE	IL 17 (COURT ST.) & NELSON AVE.	4
	KANKAKEE	IL 17 (COURT ST.) & FAIRMONT AVE.	6
	KANKAKEE	IL 17 (COURT ST.) & EASTRIDGE DR	2
	KANKAKEE	US 45/52 (KENNEDY DR.) & BROOKMONT BLVD	6
	KANKAKEE	IL 113 & RIVERSIDE HOSITAL RD.	6
	KANKAKEE	IL 17 & FOURTH ST.	8
	MOMENCE	IL 1/17 & IL 114	2
	MOMENCE	IL 1/17 (RANGE ST.) & RMER ST.	4
	MOMENCE	IL 1/17 (RANGE ST.) & WASHINGTON ST.	4
	MOMENCE	IL 1/17 (RANGE ST.) & SECOND ST.	8
TOTAL			122



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Bruce A. Kuckan
DISTRICT OPERATIONS ENGINEER

DATE: OCTOBER 28, 2011

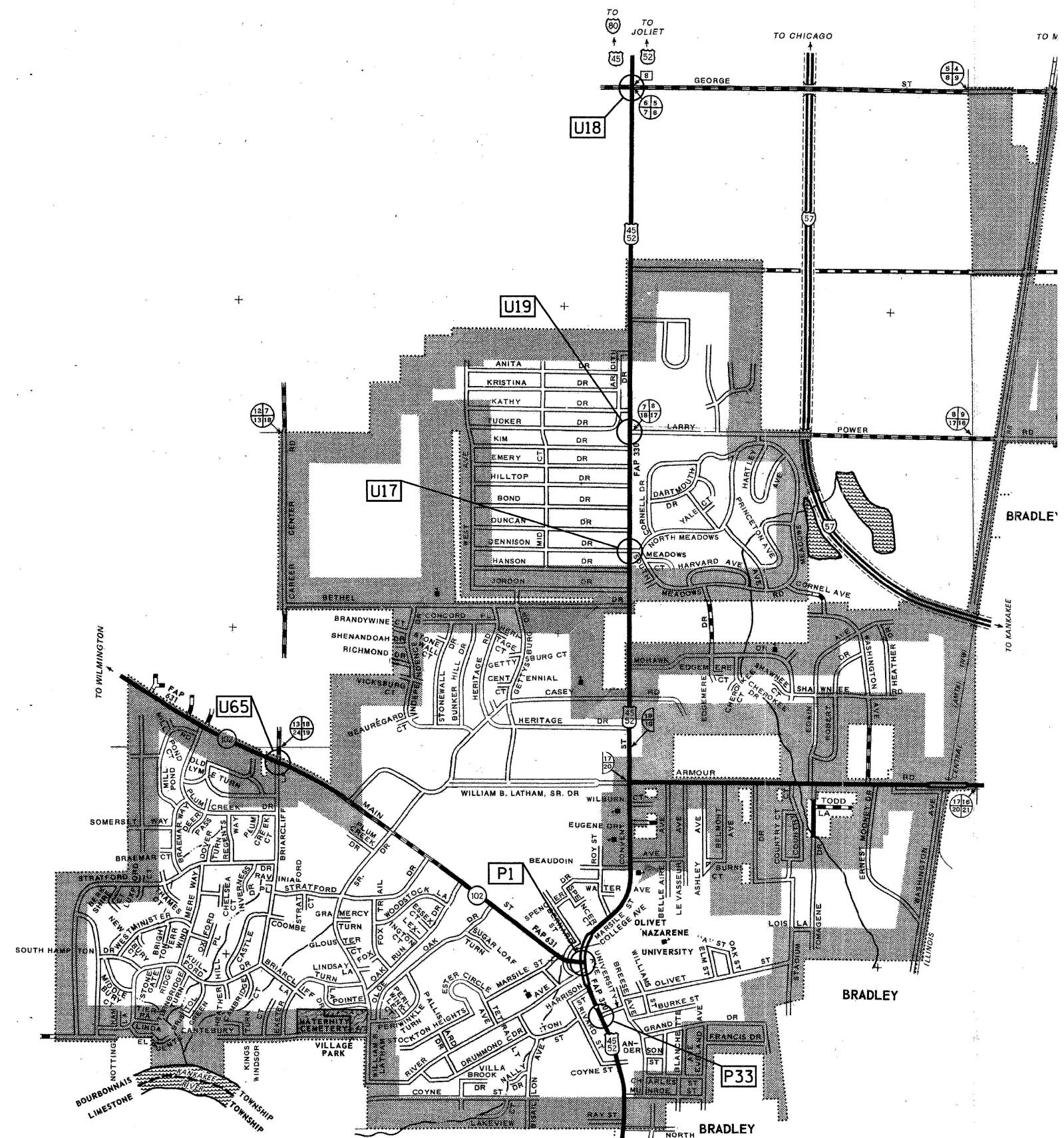
EXAMINED BY: Heidi Jones
DISTRICT CONSTRUCTION ENGINEER

Wayne P. Sullivan
DISTRICT MATERIALS ENGINEER

Tom Benic
DISTRICT STUDIES & PLANS ENGINEER

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	IROQUOIS CO.	KANKAKEE CO.			KANKAKEE CO.			KANKAKEE CO.	KANKAKEE CO.	KANKAKEE CO.	
				WATSEKA	BOURBONNAIS		BRADLEY		KANKAKEE			MOMENCE	STATE	RURAL
				URBAN 95% STATE/ 5% CITY 0021	URBAN 95% STATE/ 5% CITY 0021	URBAN 97.5% STATE/ 2.5% CITY 0021	URBAN 95% STATE/ 5% CITY 0021	URBAN 96.7% STATE/ 3.3% CITY 0021	URBAN 95% STATE/ 5% CITY 0021	URBAN 96.7% STATE/ 3.3% CITY 0021	URBAN 97.5% STATE/ 2.5% CITY 0021	RURAL 95% STATE/ 5% CITY 0021	URBAN 100% STATE/ 0% CITY 0021	100% STATE 0021
67100100	MOBILIZATION	L SUM	1	--	--	--	--	--	--	--	--	0.9	0.1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	--	--	--	--	--	--	--	--	0.9	0.1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	--	--	--	--	--	--	--	--	0.9	0.1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	--	--	--	--	--	--	--	--	0.9	0.1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	--	--	--	--	--	--	--	--	0.9	0.1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	--	--	--	--	--	--	--	--	0.9	0.1	
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	37	--	4	--	8	1	7	5	1	3	7	1
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	11	--	--	--	--	--	--	2	--	8	1	0
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7	--	--	--	--	--	--	--	--	--	5	2
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	--	--	--	--	--	--	--	--	--	1	3
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	170	40	8	4	--	--	54	14	--	24	26	0
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22	--	--	--	--	--	--	2	--	8	7	5
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	37	--	4	--	8	1	7	5	1	3	7	1
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	28	0.5	1	1	--	--	8	4	--	3	5	1
* Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	12	--	--	--	--	--	--	--	--	--	4	8
* Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	12	--	--	--	--	--	--	--	--	--	4	8
* Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	12	--	--	--	--	--	--	--	--	--	4	8
* Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	1	--	--	--	--	--	--	--	--	--	0	1
* Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	1	--	--	--	--	--	--	--	--	--	0	1

* IROQUOIS & KANKAKEE



- LEGEND NOTES**
- I = INTERSECTION WILL BE RETROFITTING INCANDESCENT BULBS WITH LEDS AND IF NEEDED INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT, AND PEDESTRIAN COUNTDOWN HEADS
 - P = INTERSECTION WILL BE REPLACING EXISTING FLASHING PEDESTRIAN HEADS WITH COUNTDOWN PEDESTRIAN HEADS
 - U = INTERSECTION WILL BE INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT
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 - E = INTERSECTION WILL BE REPLACING 8" SIGNAL HEADS WITH 12" SIGNAL HEADS
 - * = DENOTES INTERSECTION WILL BE INSTALLING ONE OR MORE NEW SIGNAL HEADS

- LEGEND**
- U65 - IL 102 (MAIN ST.) & BRIARCLIFF LN./CAREER CENTER RD.
 - U17 - US 45/52 (KENNEDY DR.) & DENNISON DR./MEADOWS DR.
 - U18 - US 45/52 (CONVENT ST.) & CH 8 (ST GEORGE RD./INDIAN OAKS RD.)
 - U19 - US 45/52 & LARRY POWER RD./KIM RD.
 - P1 - US 45/52 (KENNEDY DR.) & IL 102 (MAIN ST.)/OLIVET ENTRANCE
 - P33 - US 45/52 & UNIVERSITY AVE.

BOURBANNAIS

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 PLOT SCALE = N/A
 PLOT DATE = 10/11

DESIGNED - ---
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
 BOURBANNAIS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	4
CONTRACT NO. 66B57				
ILLINOIS FED. AID PROJECT				

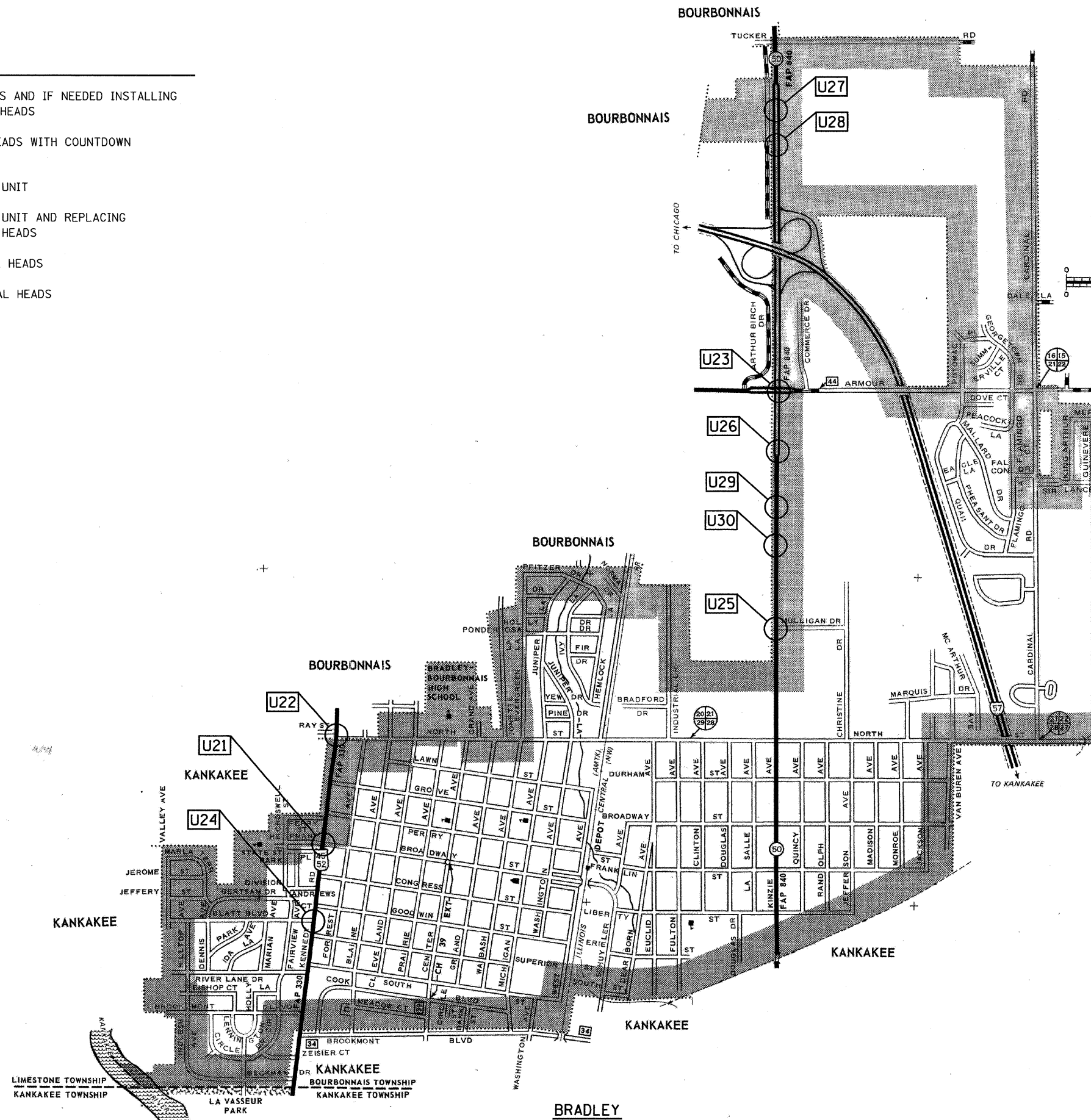
• IROQUOIS & KANKAKEE

LEGEND NOTES

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LEGEND

- U21 - US 45/52 (KENNEDY DR.) & BROADWAY ST.
- U22 - US 45/52 (KENNEDY DR.) & NORTH ST.
- U23 - IL 50 (KINZIE AVE.) & ARMOUR RD.
- U24 - US 45/52 (KENNEDY DR.) & BLATT BLVD.
- U25 - IL 50 (KINZIE AVE.) & MULLIGAN DR.
- U26 - IL 50 (KINZIE AVE.) & HOBBY LOBBY ENTRANCE
- U27 - IL 50 (KINZIE AVE.) & NORTHFIELD CENTER NORTH ENTRANCE
- U28 - IL 50 (KINZIE AVE.) & NORTHFIELD CENTER SOUTH ENTRANCE
- U29 - IL 50 & SUPER K-MART ENTRANCE
- U30 - IL 50 & LOWE'S ENTRANCE



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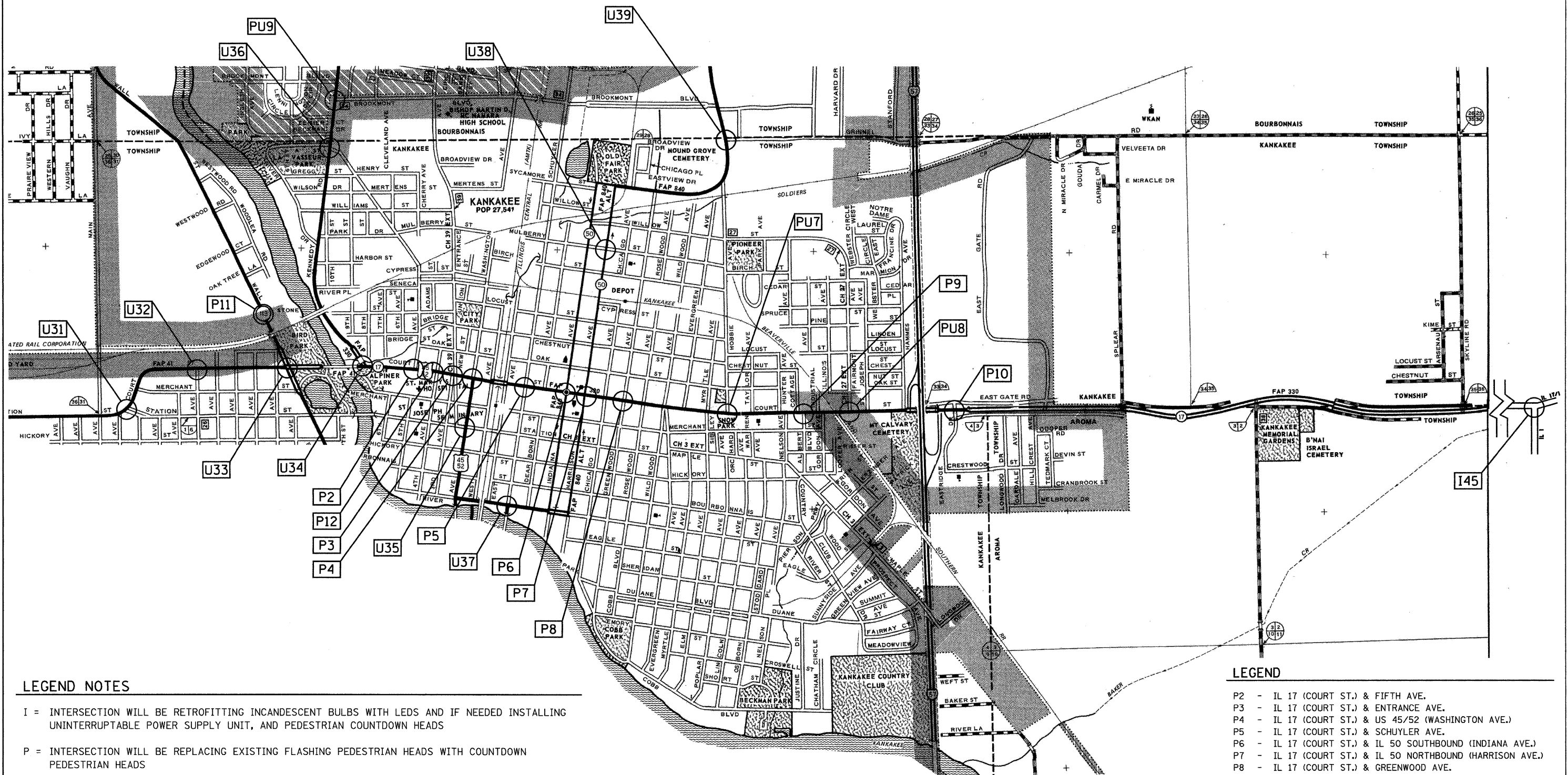
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
 BRADLEY**
 SCALE: N/A SHEET NO. -- OF -- SHEETS STA. ----- TO STA. -----

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	*	17	5
CONTRACT NO. 66B57				
ILLINOIS FED. AID PROJECT				

* IROQUOIS & KANKAKEE



LEGEND NOTES

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LEGEND

- P2 - IL 17 (COURT ST.) & FIFTH AVE.
- P3 - IL 17 (COURT ST.) & ENTRANCE AVE.
- P4 - IL 17 (COURT ST.) & US 45/52 (WASHINGTON AVE.)
- P5 - IL 17 (COURT ST.) & SCHUYLER AVE.
- P6 - IL 17 (COURT ST.) & IL 50 SOUTHBOUND (INDIANA AVE.)
- P7 - IL 17 (COURT ST.) & IL 50 NORTHBOUND (HARRISON AVE.)
- P8 - IL 17 (COURT ST.) & GREENWOOD AVE.
- P9 - IL 17 (COURT ST.) & NELSON AVE.
- P10 - IL 17 (COURT ST.) & EASTRIDGE DR.
- P11 - IL 113 & RIVERSIDE HOSPITAL RD.
- P12 - IL 17 & FOURTH ST.
- PU7 - IL 17 (COURT ST.) & HOBBIE AVE.
- PU8 - IL 17 (COURT ST.) & FAIRMONT AVE.
- PU9 - US 45/52 (KENNEDY DR.) & BROOKMONT BLVD.
- U31 - IL 17 (COURT ST.) & STATION ST.
- U32 - IL 17 (COURT ST.) & CURTIS AVE.
- U33 - IL 17 (COURT ST.) & IL 113 (WALL ST.)
- U34 - IL 17 (COURT ST.) & US 45/52 (KENNEDY DR.)
- U35 - US 45/52 (WASHINGTON AVE.) & STATION ST.
- U36 - US 45/52 (KENNEDY DR.) & FIFTH AVE.
- U37 - IL 50 (SCHUYLER AVE.) & IL 50 (RIVER ST.)
- U38 - IL 50 NORTHBOUND (HARRISON AVE.) & MULBERRY ST.
- U39 - IL 50 (KINZIE ST.) & GRINNEL RD.
- I45 - IL 1 & IL 17

KANKAKEE

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PLOT SCALE = N/A
PLOT DATE = 10/11

DESIGNED - --
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

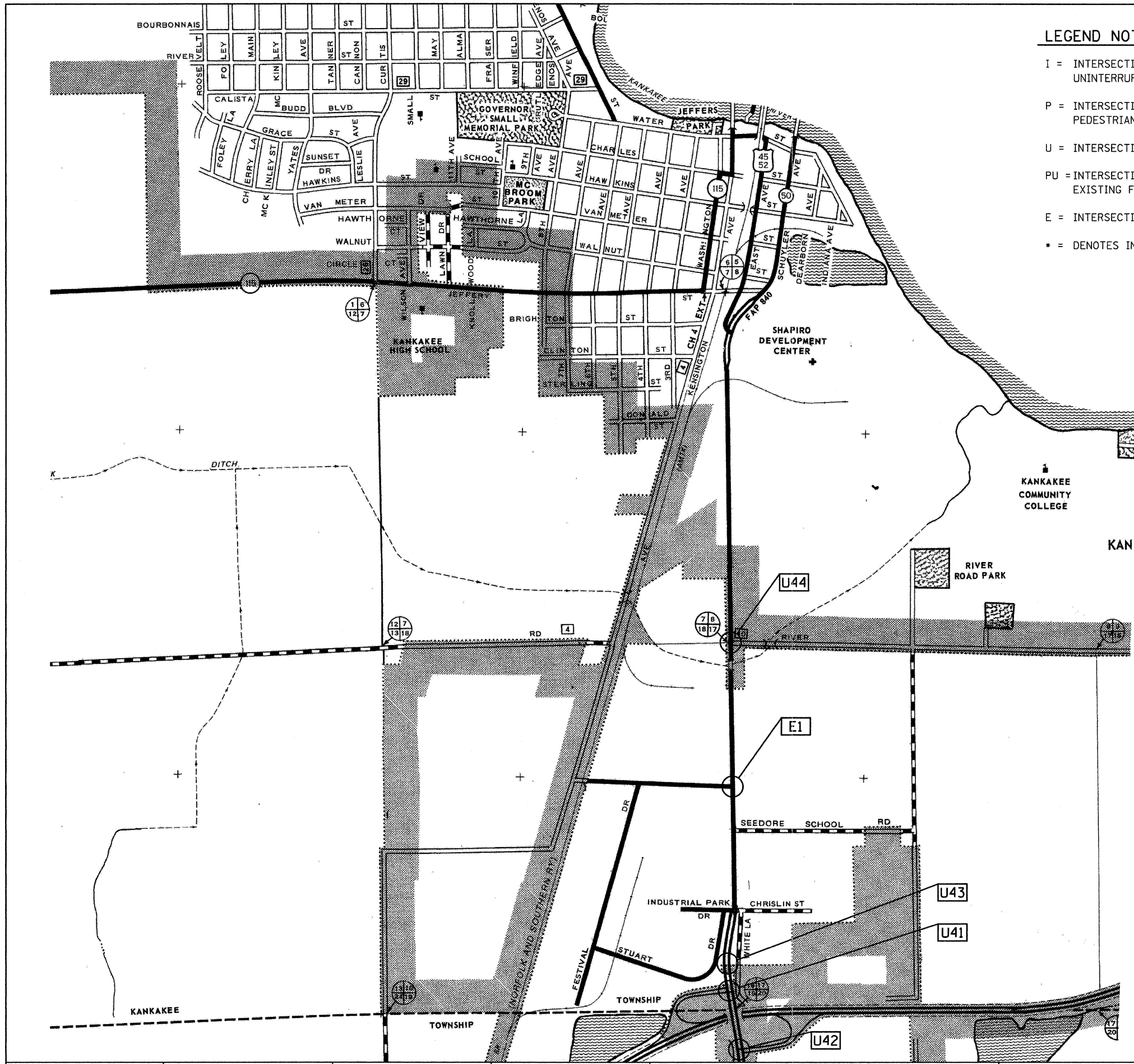
**INTERSECTION LOCATION MAP
KANKAKEE - NORTH OF KANKAKEE RIVER**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	KANKAKEE	17	6
CONTRACT NO. 66B57				

• IROQUOIS & KANKAKEE

ILLINOIS FED. AID PROJECT



LEGEND NOTES

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LEGEND

- E1 - US 45/52 & SOUTH TEC
- U41 - US 45/52 & I-57 (NORTH RAMP)
- U42 - US 45/52 & I-57 (SOUTH RAMP)
- U43 - US 45/52 & RIVERSTONE PKWY
- U44 - US 45/52 & RIVER RD.

FILE NAME = 0366B57-SHT-LOCATION-MAPS.DGN
 USER NAME = --
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 PLOT DATE = 10/11

DESIGNED --
 DRAWN - ARR/NV
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

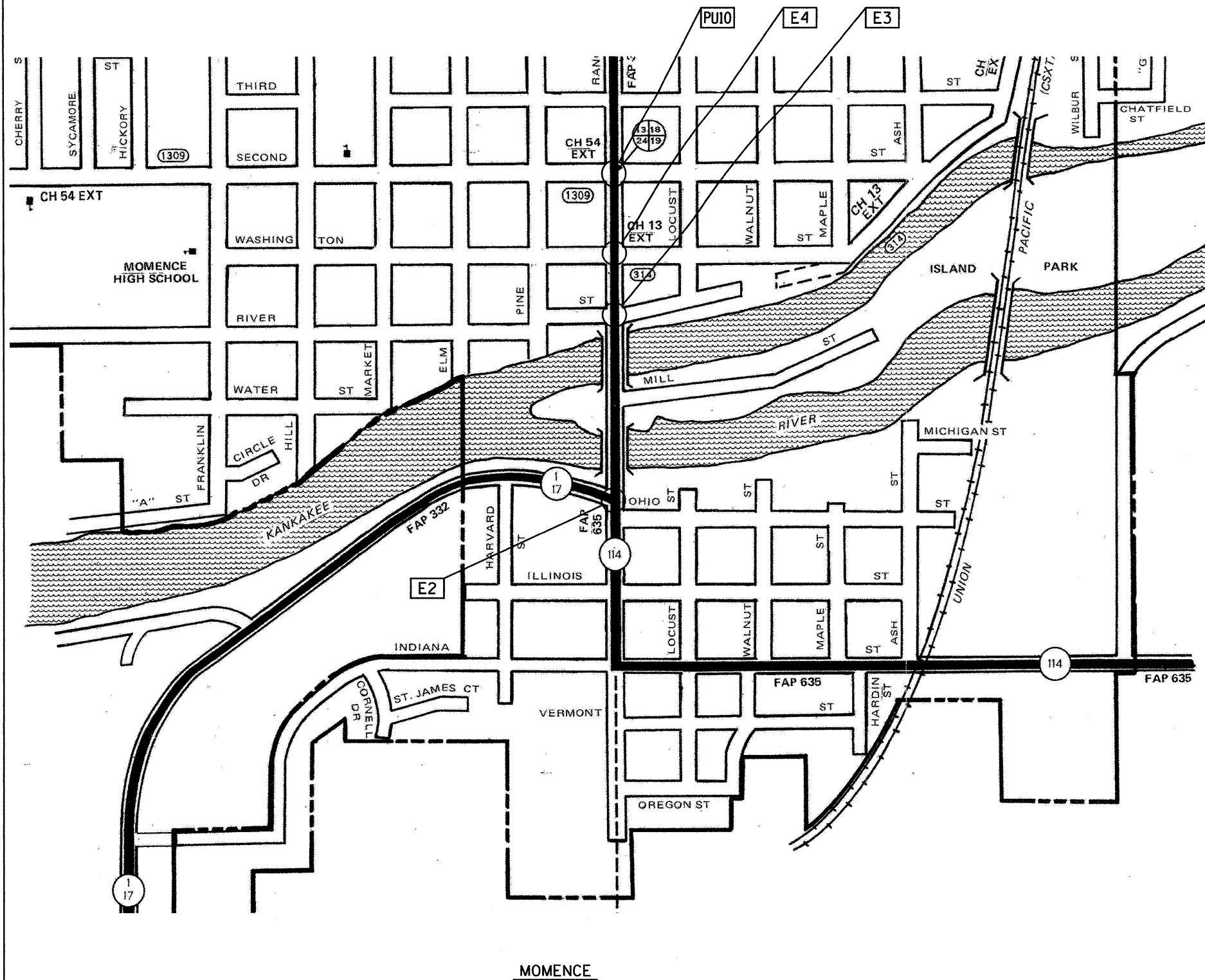
INTERSECTION LOCATION MAP
 KANKAKEE - SOUTH OF KANKAKEE RIVER

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	7

CONTRACT NO. 66B57
 ILLINOIS FED. AID PROJECT

• IROQUOIS & KANKAKEE



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- U = INTERSECTION WILL BE INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT
- PU = INTERSECTION WILL BE INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT AND REPLACING EXISTING FLASHING PEDESTRIAN HEADS WITH COUNTDOWN PEDESTRIAN HEADS
- E = INTERSECTION WILL BE REPLACING 8" SIGNAL HEADS WITH 12" SIGNAL HEADS
- = DENOTES INTERSECTION WILL BE INSTALLING ONE OR MORE NEW SIGNAL HEADS

LEGEND

- E2 - IL 1/17 & IL 114
- E3 - IL 1/17 (RANGE ST.) & RIVER ST.
- E4 - IL 1/17 (RANGE ST.) & WASHINGTON ST.
- PU10 - IL 1/17 (RANGE ST.) & SECOND ST.

FILE NAME = D366B57-SHT-LOCATION-MAPS.DGN

USER NAME = ---
 PLOT SCALE = N/A
 PLOT DATE = 10/11

DESIGNED - --
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
 MOMENCE**

SCALE: N/A

SHEET NO. -- OF -- SHEETS

STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	8
CONTRACT NO. 66B57				
ILLINOIS FED. AID PROJECT				

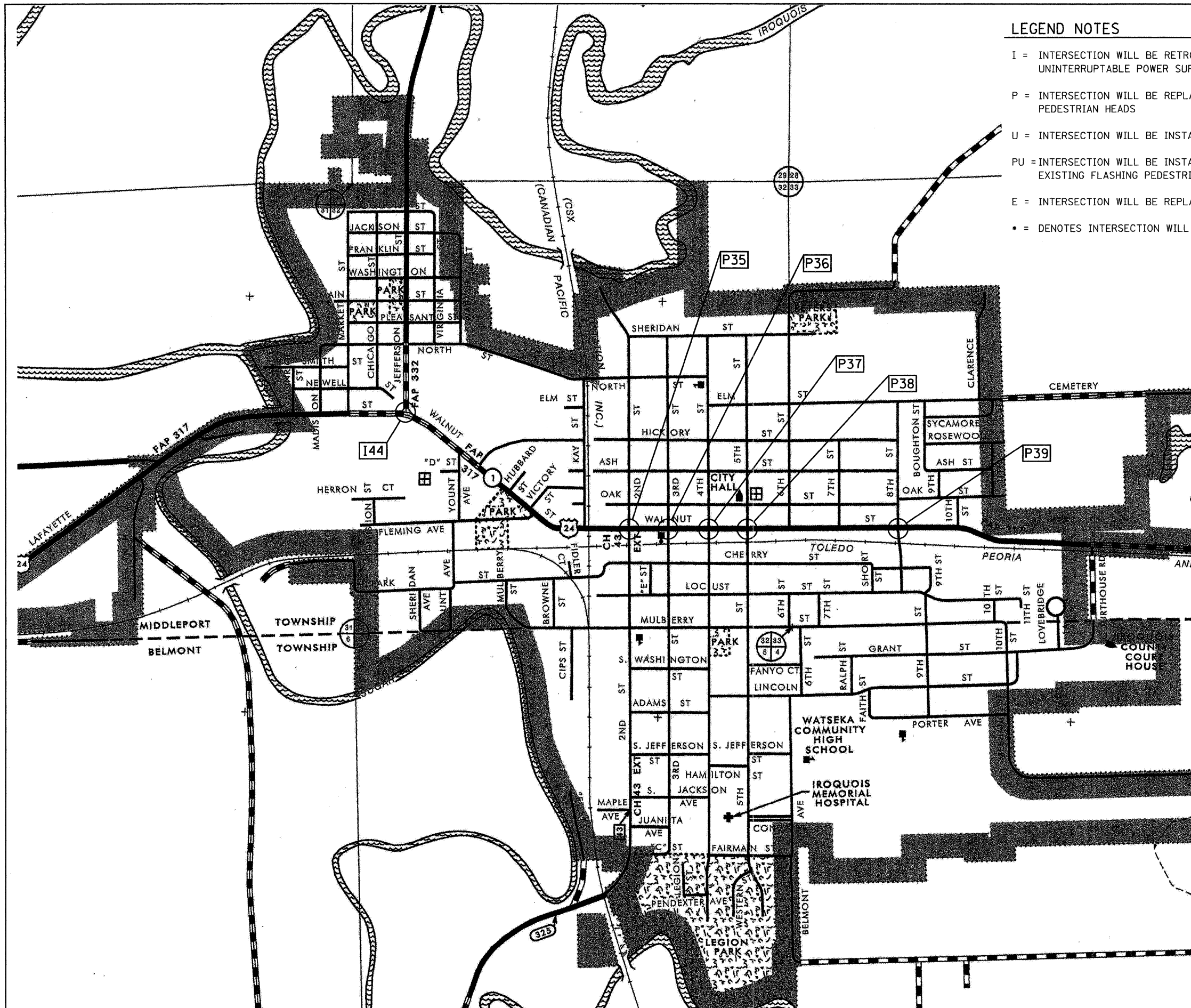
• IROQUOIS & KANKAKEE

LEGEND NOTES

- I = INTERSECTION WILL BE RETROFITTING INCANDESCENT BULBS WITH LEDS AND IF NEEDED INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT, AND PEDESTRIAN COUNTDOWN HEADS
- P = INTERSECTION WILL BE REPLACING EXISTING FLASHING PEDESTRIAN HEADS WITH COUNTDOWN PEDESTRIAN HEADS
- U = INTERSECTION WILL BE INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT
- PU = INTERSECTION WILL BE INSTALLING UNINTERRUPTABLE POWER SUPPLY UNIT AND REPLACING EXISTING FLASHING PEDESTRIAN HEADS WITH COUNTDOWN PEDESTRIAN HEADS
- E = INTERSECTION WILL BE REPLACING 8" SIGNAL HEADS WITH 12" SIGNAL HEADS
- = DENOTES INTERSECTION WILL BE INSTALLING ONE OR MORE NEW SIGNAL HEADS

LEGEND

- P35 - IL 1/US 24 (WALNUT ST.) & SECOND ST.
- P36 - IL 1/US 24 (WALNUT ST.) & THIRD ST.
- P37 - IL 1/US 24 (WALNUT ST.) & FOURTH ST.
- P38 - IL 1/US 24 (WALNUT ST.) & FIFTH ST.
- P39 - IL 1/US 24 (WALNUT ST.) & EIGHTH ST.
- I44 - IL 1 (JEFFERSON ST.) & US 24 (WALNUT ST.)



FILE NAME = D366B57-SHT-LOCATION-MAPS.DGN
 USER NAME = ---
 PLOT SCALE = N/A
 PLOT DATE = 10/11

DESIGNED - ---
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP
 WATSEKA**

SCALE: N/A

SHEET NO. ___ OF ___ SHEETS

STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	D-3 LED RETROFIT 2012-4	*	17	9
CONTRACT NO. 66B57				
ILLINOIS FED. AID PROJECT				

* IROQUOIS & KANKAKEE

		86200300				89502210				
		UNINTERRUPTABLE POWER SUPPLY, EXTENDED				MODIFY EXISTING CONTROLLER CABINET				
		95% STATE	100% STATE	97.5% STATE	96.7% STATE	95% STATE	100% STATE	97.5% STATE	96.7% STATE	
		5% CITY	0% CITY	2.5% CITY	3.3% CITY	5% CITY	0% CITY	2.5% CITY	3.3% CITY	
COUNTY	CITY	INTERSECTION								
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
BOURBONNAIS		IL 102 (MAIN ST.) & BRIARCLIFF LN./CAREER CENTER RD.	1	-	-	-	1	-	-	-
		US 45/52 (KENNEDY DR.) & DENNISON/MEADOWS DR.	1	-	-	-	1	-	-	-
		US 45/52 (CONVENT ST.) & CH 8(ST GEORGE ROAD)/INDIAN OAKS RD.	1	-	-	-	1	-	-	-
		US 45/52 & LARRY POWER RD. (KIM RD.)	1	-	-	-	1	-	-	-
		SUBTOTAL	4	0	0	0	4	0	0	0
BRADLEY		US 45/52 (KENNEDY DR.) & BROADWAY ST.	1	-	-	-	1	-	-	-
		US 45/52 (KENNEDY DR.) & NORTH ST.	-	-	-	1	-	-	-	1
		IL 50 (KINZIE AVE.) & ARMOUR RD.	-	1	-	-	-	1	-	-
		US 45/52 (KENNEDY DR.) & BLATT BLVD.	1	-	-	-	1	-	-	-
		IL 50 (KINZIE AVE.) & MULLIGAN DR.	1	-	-	-	1	-	-	-
		IL 50 (KINZIE AVE.) & HOBBY LOBBY ENTRANCE	1	-	-	-	1	-	-	-
		IL 50 (KINZIE AVE.) & NORTHFIELD CENTER NORTH ENTRANCE	1	-	-	-	1	-	-	-
		IL 50 (KINZIE AVE.) & NORTHFIELD CENTER SOUTH ENTRANCE	1	-	-	-	1	-	-	-
		IL 50 & SUPER K-MART ENTRANCE	1	-	-	-	1	-	-	-
		IL 50 & LOWE'S ENTRANCE	1	-	-	-	1	-	-	-
		SUBTOTAL	8	1	0	1	8	1	0	1
KANKAKEE		IL 17 (COURT ST.) & STATION ST.	1	-	-	-	1	-	-	-
		IL 17 (COURT ST.) & CURTIS AVE.	1	-	-	-	1	-	-	-
		IL 17 (COURT ST.) & IL 113 (WALL ST.)	-	-	1	-	-	-	1	-
		IL 17 (COURT ST.) & US 45/52 (KENNEDY DR.)	-	1	-	-	-	1	-	-
		IL 17 (COURT ST.) & HOBBIE AVE.	-	-	-	1	-	-	-	1
		IL 17 (COURT ST.) & FAIRMONT AVE.	1	-	-	-	1	-	-	-
		US 45/52 (WASHINGTON AVE.) & STATION ST.	1	-	-	-	1	-	-	-
		US 45/52 (KENNEDY DR.) & FIFTH AVE.	1	-	-	-	1	-	-	-
		US 45/52 (KENNEDY DR.) & BROOKMONT BOULEVARD	-	-	-	1	-	-	-	1
		IL 50 (SCHUYLER AVE.) & IL 50 (RIVER ST.)	-	1	-	-	-	1	-	-
		IL 50 NORTHBOUND (HARRISON AVE.) & MULBERRY ST.	1	-	-	-	1	-	-	-
		IL 50 (KINZIE ST.) & GRNNEL RD.	-	-	-	1	-	-	-	1
		US 45/52 & I-57 (NORTH RAMP)	-	1	-	-	-	1	-	-
		US 45/52 & I-57 (SOUTH RAMP)	-	1	-	-	-	1	-	-
US 45/52 & RIVERSTONE PARKWAY	-	-	-	1	-	-	-	1		
US 45/52 & RIVER RD.	1	-	-	-	1	-	-	-		
		SUBTOTAL	7	4	1	4	7	4	1	4
MOMENCE		IL 1/17 (RANGE ST.) & SECOND ST.	1	-	-	-	1	-	-	-
		SUBTOTAL	1	0	0	0	1	0	0	0
		COLUMN TOTAL	20	5	1	5	20	5	1	5
		TOTAL				31				31

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	701601	701701		
ROQUOIS	WATSEKA	IL 1 (JEFFERSON ST.) & US 24 (WALNUT ST.)	100.0	0.0	-	X	-	-	-		
		IL 1/US 24 (WALNUT ST.) & SECOND ST.	100.0	0.0	X	X	-	-	-		
		IL 1/US 24 (WALNUT ST.) & THIRD ST.	100.0	0.0	X	X	-	-	-		
		IL 1/US 24 (WALNUT ST.) & FOURTH ST.	100.0	0.0	X	X	-	-	-		
		IL 1/US 24 (WALNUT ST.) & FIFTH ST.	100.0	0.0	X	X	-	-	-		
KANKAKEE	BOURBONNAIS	IL 1 /US 24 (WALNUT ST.) & EIGHTH ST.	100.0	0.0	X	X	-	-	-		
		US 45/52 (KENNEDY DR.) & IL 102 (MAIN ST.) / OLIVET ENTRANCE	100.0	0.0	X	-	X	-	X		
	KANKAKEE		US 45/52 & UNIVERSITY AVE.	100.0	0.0	-	X	X	-	X	
			IL 17 (COURT ST.) & FIFTH AVE.	100.0	0.0	X	X	X	-	X	
			IL 17 (COURT ST.) & ENTRANCE AVE.	100.0	0.0	-	X	X	-	X	
			IL 17 (COURT ST.) & US 45/52 (WASHINGTON AVE.)	100.0	0.0	-	X	X	-	X	
			IL 17 (COURT ST.) & SCHUYLER AVE.	100.0	0.0	-	X	X	-	X	
			IL 17 (COURT ST.) & IL 50 SOUTHBOUND (INDIANA AVE.)	100.0	0.0	-	-	X	X	X	
			IL 17 (COURT ST.) & IL 50 NORTHBOUND (HARRISON AVE.)	100.0	0.0	-	-	X	X	X	
			IL 17 (COURT ST.) & GREENWOOD AVE.	100.0	0.0	X	-	X	-	X	
			IL 17 (COURT ST.) & HOBBIE AVE.	100.0	0.0	-	X	X	-	X	
			IL 17 (COURT ST.) & NELSON AVE..	100.0	0.0	-	X	X	-	X	
			IL 17 (COURT ST.) & FAIRMONT AVE.	100.0	0.0	X	X	X	-	X	
			IL 17 (COURT ST.) & EASTRIDGE DRIVE	100.0	0.0	-	X	X	-	X	
			US 45/52 (KENNEDY DR.) & BROOKMONT BOULEVARD	100.0	0.0	-	-	X	-	X	
			IL 113 & RIVERSIDE HOSITAL RD.	100.0	0.0	-	X	X	-	X	
			IL 17 & FOURTH ST.	100.0	0.0	-	X	X	-	X	
			US 45/52 & SOUTH TEC	100.0	0.0	-	X	X	-	X	
			MOMENCE		IL 1/17 & IL 114	100.0	0.0	-	X	-	-
					IL 1/17 (RANGE ST.) & RIVER ST.	100.0	0.0	X	X	-	-
IL 1/17 (RANGE ST.) & WASHINGTON ST.	100.0	0.0			X	X	-	-			
STATE		IL 1/17 (RANGE ST.) & SECOND ST.	100.0	0.0	X	X	-	-			
		IL 1 & IL 17	100.0	0.0	X	X	X	-	X		

		88102825					
		PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE BRACKET MOUNTED WITH COUNT DOWN TIMER					
		95% STATE	100% STATE	97.5% STATE	96.7% STATE		
		5% CITY	0% CITY	2.5% CITY	3.3% CITY		
COUNTY	CITY	INTERSECTION					
		EACH	EACH	EACH	EACH		
ROQUOIS	WATSEKA	IL 1/US 24 (WALNUT ST.) & SECOND ST.	8	-	-	-	
		IL 1/US 24 (WALNUT ST.) & THIRD ST.	8	-	-	-	
		IL 1/US 24 (WALNUT ST.) & FOURTH ST.	8	-	-	-	
		IL 1/US 24 (WALNUT ST.) & FIFTH ST.	8	-	-	-	
		IL 1 /US 24 (WALNUT ST.) & EIGHTH ST.	8	-	-	-	
		SUBTOTAL	40	0	0	0	
KANKAKEE	BOURBONNAIS	US 45/52 (KENNEDY DR.) & IL 102 (MAIN ST.) /OLIVET ENTRANCE	-	-	4	-	
		US 45/52 & UNIVERSITY AVE	8	-	-	-	
			SUBTOTAL	8	0	4	0
	KANKAKEE		IL 17 (COURT ST.) & FIFTH AVE.	8	-	-	-
			IL 17 (COURT ST.) & ENTRANCE AVE.	8	-	-	-
			IL 17 (COURT ST.) & US 45/52 (WASHINGTON AVE.)	-	8	-	-
			IL 17 (COURT ST.) & SCHUYLER AVE.	8	-	-	-
			IL 17 (COURT ST.) & IL 50 SOUTHBOUND (INDIANA AVE.)	-	8	-	-
			IL 17 (COURT ST.) & IL 50 NORTHBOUND (HARRISON AVE.)	-	8	-	-
			IL 17 (COURT ST.) & GREENWOOD AVE.	8	-	-	-
			IL 17 (COURT ST.) & HOBBIE AVE..	-	-	-	4
			IL 17 (COURT ST.) & NELSON AVE.	-	-	-	4
			IL 17 (COURT ST.) & FAIRMONT AVE.	6	-	-	-
			IL 17 (COURT ST.) & EASTRIDGE DRIVE	2	-	-	-
US 45/52 (KENNEDY DR.) & BROOKMONT BOULEVARD			-	-	-	6	
IL 113 & RIVERSIDE HOSITAL RD.	6	-	-	-			
IL 17 & FOURTH ST.	8	-	-	-			
		SUBTOTAL	54	24	0	14	
MOMENCE		IL 1/17 (RANGE ST.) & SECOND ST.	8	-	-	-	
		SUBTOTAL	8	0	0	0	
		COLUMN TOTAL	110	24	4	14	
		TOTAL				152	

FILE NAME = D366B57-SHT-TS-GENNOTES.DGN
 USER NAME = --
 PLOT SCALE = N/A
 PLOT DATE = 10/11

DESIGNED - --
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

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

SECTION COUNTY TOTAL SHEETS SHEET NO.
 D-3 LED RETROFIT 2012-4 * 17 10
 CONTRACT NO. 66B57
 ILLINOIS/FED. AID PROJECT

* IROQUOIS & KANKAKEE

		89502375				
		REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT				
COUNTY	CITY	INTERSECTION & LIST OF EQUIPMENT TO BE REMOVED	95% STATE 5% CITY EACH	100% STATE 0% CITY EACH	97.5% STATE 2.5% CITY EACH	96.7% STATE 3.3% CITY EACH
IROUOIS	WATSEKA	IL 1/US 24 (WALNUT ST.) & SECOND ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	WATSEKA	IL 1/US 24 (WALNUT ST.) & THIRD ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	WATSEKA	IL 1/US 24 (WALNUT ST.) & FOURTH ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	WATSEKA	IL 1/US 24 (WALNUT ST.) & FIFTH ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	WATSEKA	IL 1 /US 24 (WALNUT ST.) & EIGHTH ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
		SUBTOTAL	5	0	0	0
KANKAKEE	BOURBONNAIS	US 45/52 (KENNEDY DR.) & IL 102 (MAIN ST.) JOLIVET ENTRANCE - EXISTING PEDESTRIAN HEADS - 4 EACH	--	--	1	--
	BOURBONNAIS	US 45/52 UNIVERSITY AVE. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
		SUBTOTAL	1	0	1	0
	KANKAKEE	IL 17 (COURT ST.) & FIFTH AVE. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	KANKAKEE	IL 17 (COURT ST.) & ENTRANCE AVE. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	KANKAKEE	IL 17 (COURT ST.) & US 45/52 (WASHINGTON AVE.) - EXISTING PEDESTRIAN HEADS - 8 EACH	--	1	--	--
	KANKAKEE	IL 17 (COURT ST.) & SCHUYLER AVE. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	KANKAKEE	IL 17 (COURT ST.) & IL 50 SOUTHBOUND (INDIANA AVE.) - EXISTING PEDESTRIAN HEADS - 8 EACH	--	1	--	--
	KANKAKEE	IL 17 (COURT ST.) & IL 50 NORTHBOUND (HARRISON AVE.) - EXISTING PEDESTRIAN HEADS - 8 EACH	--	1	--	--
	KANKAKEE	IL 17 (COURT ST.) & GREENWOOD AVE. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
	KANKAKEE	IL 17 (COURT ST.) & HOBBIE AVE. - EXISTING PEDESTRIAN HEADS - 4 EACH	--	--	--	1
	KANKAKEE	IL 17 (COURT ST.) & NELSON AVE.. - EXISTING PEDESTRIAN HEADS - 4 EACH	--	--	--	1
	KANKAKEE	IL 17 (COURT ST.) & FAIRMONT AVE. - EXISTING PEDESTRIAN HEADS - 6 EACH	1	--	--	--
	KANKAKEE	IL 17 (COURT ST.) & EASTRIDGE DRIVE - EXISTING PEDESTRIAN HEADS - 2 EACH	1	--	--	--
	KANKAKEE	US 45/52 (KENNEDY DR.) & BROOKMONT BOULEVARD - EXISTING PEDESTRIAN HEADS - 6 EACH	--	--	--	1
	KANKAKEE	IL 113 & RIVERSIDE HOSITAL RD. - EXISTING PEDESTRIAN HEADS - 6 EACH	1	--	--	--
	KANKAKEE	IL 17 & FOURTH ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
		SUBTOTAL	8	3	0	3
	MOMENCE	IL 1/17 (RANGE ST.) & SECOND ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
		SUBTOTAL	1	0	0	0
COLUMN TOTAL			15	3	1	3
TOTAL						22

FILE NAME = 0366B57-SHT-TS-SCHEDULE.DGN
 USER NAME = --
 PLOT SCALE = N/A
 PLOT DATE = 10/11

DESIGNED - --
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11
 REVISED - ----
 REVISED - ----
 REVISED - ----
 REVISED - ----

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SCHEDULE 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 2012-4 * 17 11
 CONTRACT NO. 66B57
 ILLINOIS FED. AID PROJECT

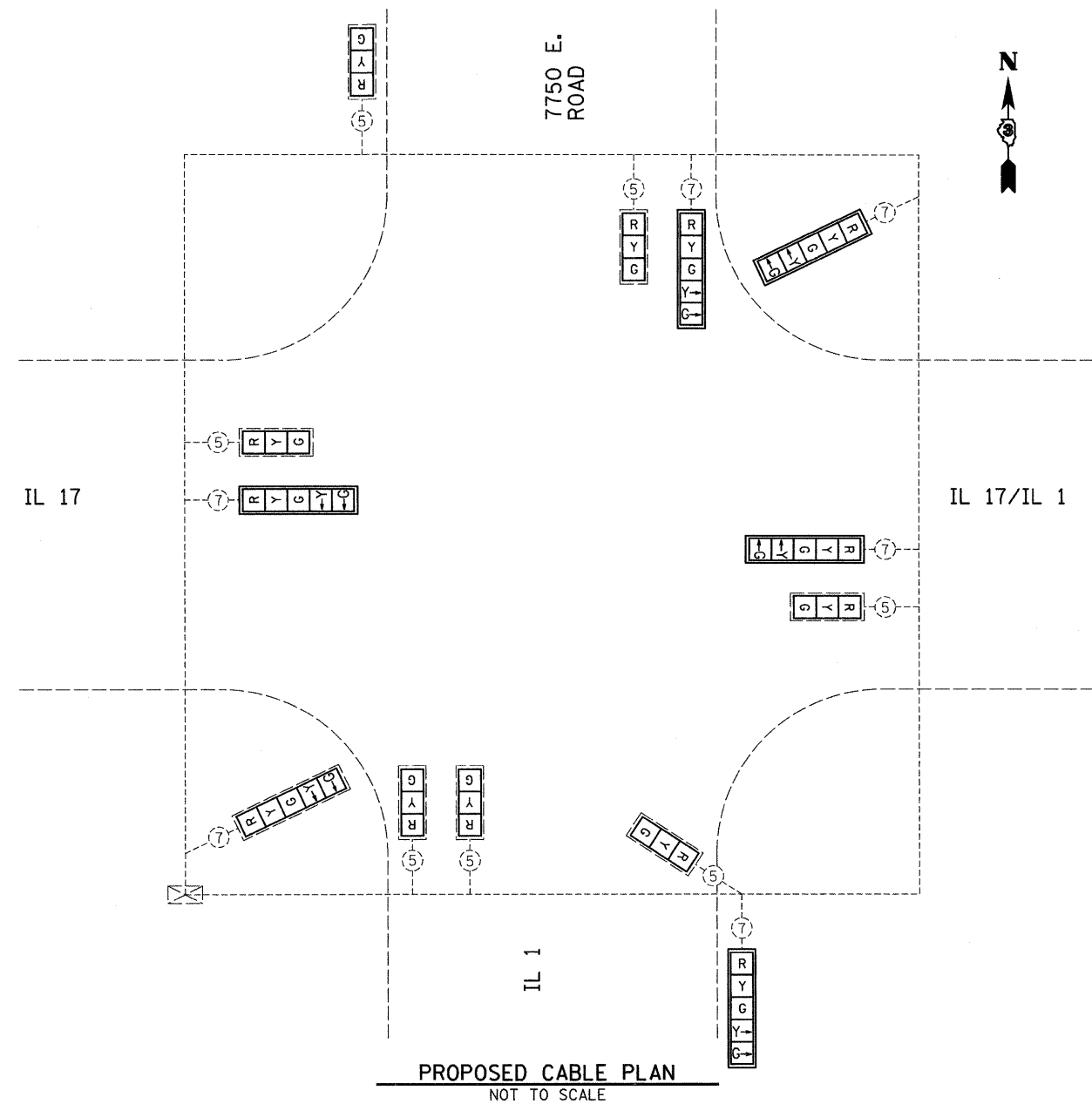
* IROUOIS & KANKAKEE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 1 & IL 17	RED	13	7	50
	YELLOW	13	12	5
	GREEN	13	9.5	45
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
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:

MODIFY EXISTING CONTROLLER CABINET.
 INSTALL UNINTERRUPTABLE POWER SUPPLY.
 RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
 RETROFIT ONE (1) 5-SECTION HEAD WITH LED SIGNAL HEAD.
 REMOVE AND REPLACE THE FIVE (5) 4-SECTION HEADS WITH LED 5-SECTION HEADS.
 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
 3 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
 THE RED BALLS OF THE NEW MAST ARM MOUNTED 5-SECTION SIGNAL HEADS SHALL BE POSITIONED TO MATCH THE EXISTING LOCATION OR TO PROVIDE 16' MINIMUM VERTICAL CLEARANCE, WHICHEVER IS GREATER.
 BRACKET MOUNTED SIGNAL HEADS SHALL MATCH EXISTING LOCATION.
 HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF 4-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.



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

STATE	IL 1 & IL 17			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	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	3	
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	5	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	8	
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	8	
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	8	
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	1	
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	1	

PROPOSED CABLE PLAN
 NOT TO SCALE

TRAFFIC SIGNALS LEGEND

⊙	DENOTES NUMBER OF EXISTING CONDUCTORS
⊠	EXISTING CONTROLLER AND CABINET
□	SIGNAL SECTION 12"
→Y	LEFT TURN YELLOW
→G	LEFT TURN GREEN
→Y	RIGHT TURN YELLOW
→G	RIGHT TURN GREEN
⊠	TRAFFIC SIGNAL BACKPLATE
⊠	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = D366B56-SHT-TS-CABLE-STATE-IL1-IL17.DGN

USER NAME = --

DESIGNED - --
 DRAWN - ARR/NV

REVISED - ---
 REVISED - ---

PLOT SCALE = 1" = 20'
 PLOT DATE = 10/11

CHECKED - JKC
 DATE - 10/11

REVISED - ---
 REVISED - ---

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
 STATE - IL 1 & IL 17

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	12
CONTRACT NO. 66B57				
ILLINOIS FED. AID PROJECT				

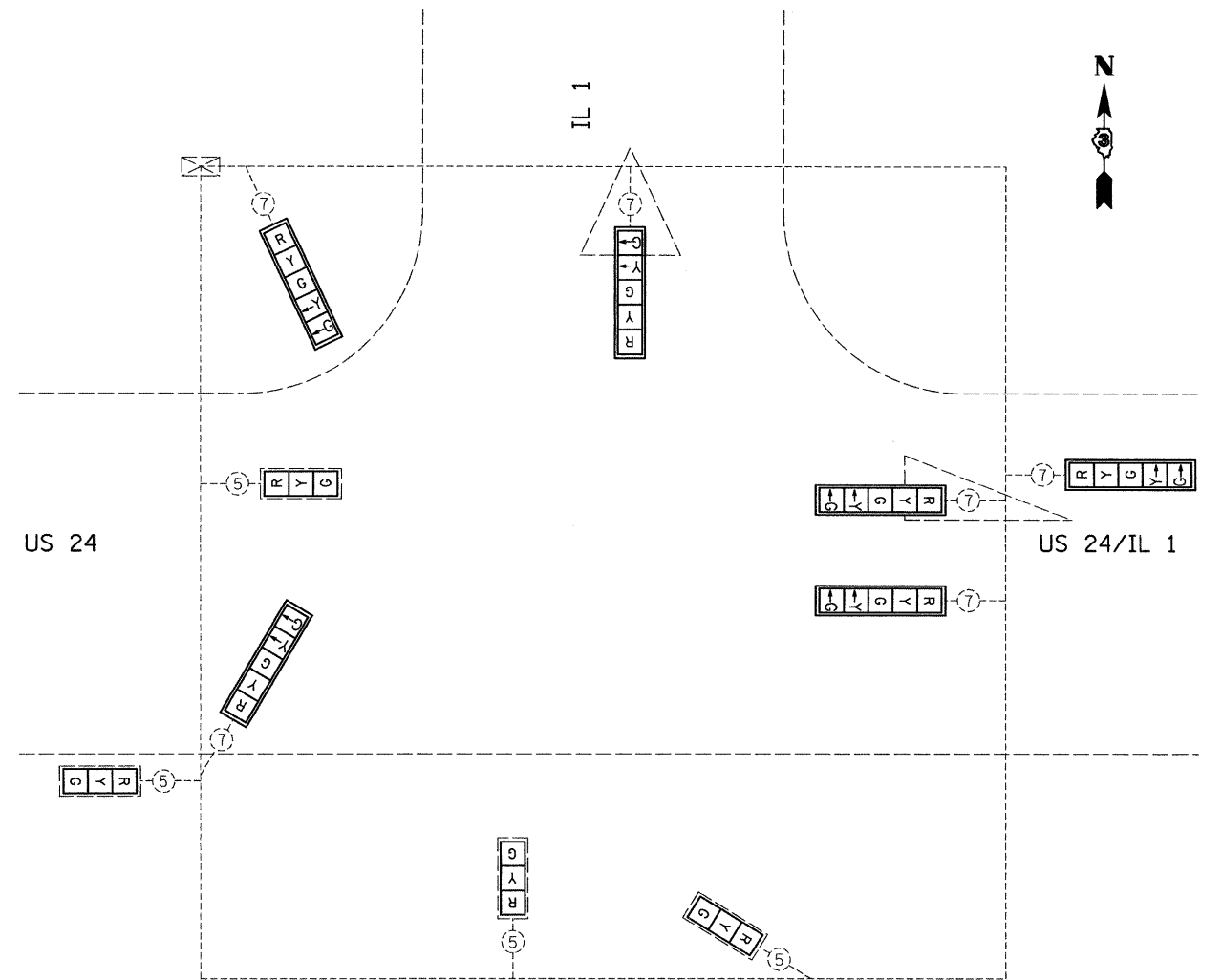
• IROQUOIS & KANKAKEE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 24 / IL 1	RED	10	7	50
	YELLOW	10	12	5
	GREEN	10	9.5	45
	YELLOW ARROW LT.	3	6	5
	GREEN ARROW LT.	3	6	10
	YELLOW ARROW RT.	3	6	5
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:

MODIFY EXISTING CONTROLLER CABINET.
 INSTALL UNINTERRUPTABLE POWER SUPPLY.
 REMOVE AND REPLACE THE SIX (6) 4-SECTION HEADS WITH LED 5-SECTION HEADS.
 RETROFIT THE FOUR (4) 3-SECTION HEADS WITH LED SIGNAL HEADS.
 REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 5 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
 THE RED BALLS OF THE NEW MAST ARM MOUNTED 5-SECTION SIGNAL HEADS SHALL BE POSITIONED TO MATCH THE EXISTING LOCATION OR TO PROVIDE 16' MINIMUM VERTICAL CLEARANCE, WHICHEVER IS GREATER.
 BRACKET MOUNTED SIGNAL HEADS SHALL MATCH EXISTING LOCATION.
 HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF 4-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.



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

WATSEKA IL 1 (JEFFERSON ST.) & US 24 (WALNUT ST.)			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	4
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	4
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	4

PROPOSED CABLE PLAN
 NOT TO SCALE

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	LEFT TURN YELLOW
	LEFT TURN GREEN
	RIGHT TURN YELLOW
	RIGHT TURN GREEN
	TRAFFIC SIGNAL BACKPLATE
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = D:\366895-SHT-TS-CABLE-WATSEKA-IL1-US24.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

PLOT SCALE = 1" = 20'

DRAWN - ARR/NV

REVISED - ---

PLOT DATE = 10/11

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
 WATSEKA - IL 1 (JEFFERSON STREET) & US 24 (WALNUT STREET)

SCALE: 1" = 20'

SHEET NO. -- OF -- SHEETS

STA. _____ TO STA. _____

F.A. RTE. --

SECTION D-3 LED RETROFIT 2012-4

COUNTY *

TOTAL SHEETS 17

SHEET NO. 13

* IROQUOIS & KANKAKEE

CONTRACT NO. 66B57

ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 45/52	RED	6	7	35
	YELLOW	6	12	5
	GREEN	6	9.5	60
	RED ARROW LT.	2	6	85
	YELLOW ARROW LT.	2	6	5
SOUTH TEC ROAD	RED	3	7	60
	YELLOW	3	12	5
	GREEN	3	9.5	35
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
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:
CITY OF KANKAKEE

CONSTRUCTION NOTES:

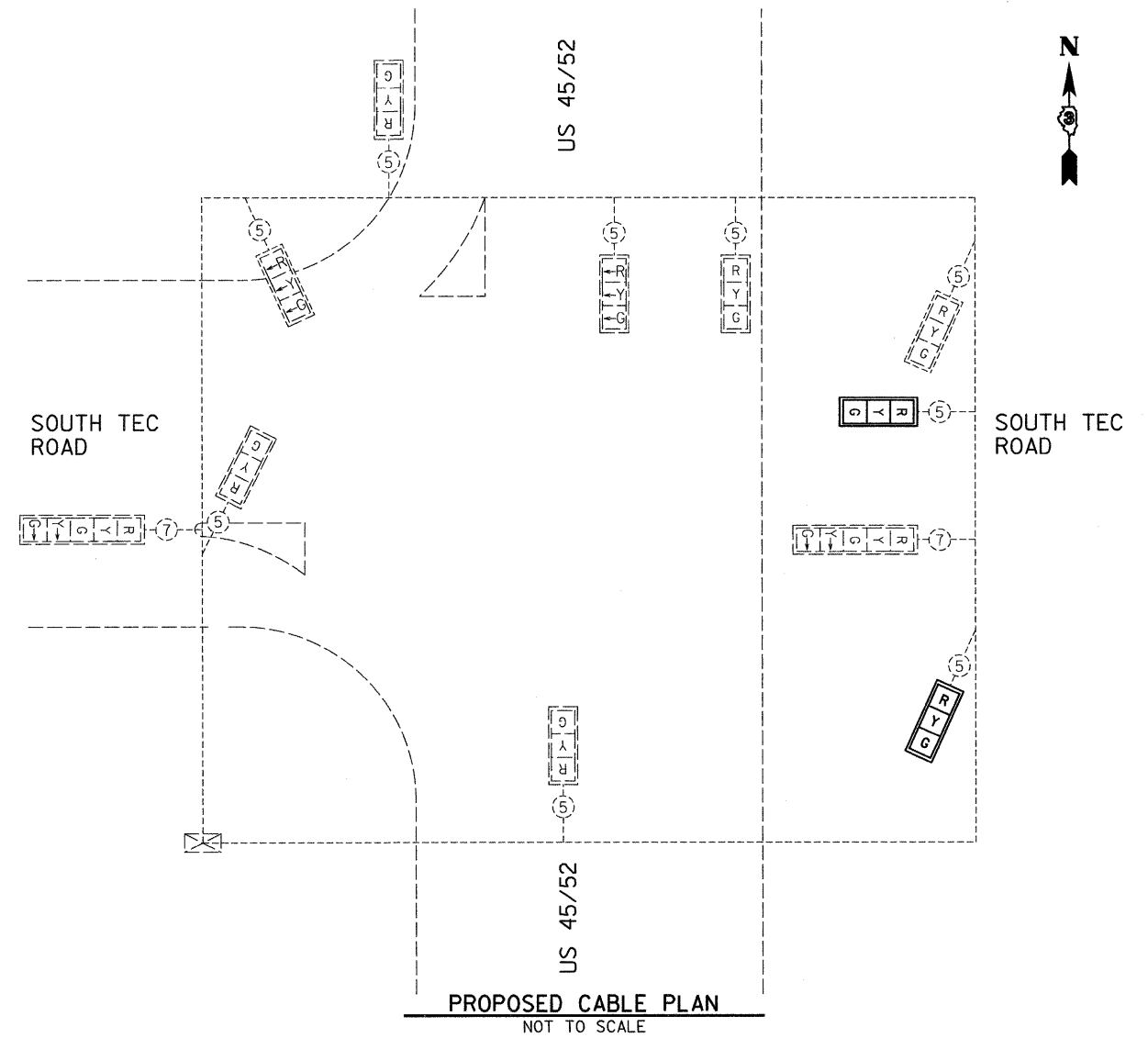
MODIFY EXISTING CONTROLLER CABINET.

INSTALL UNINTERRUPTABLE POWER SUPPLY.

REMOVE AND REPLACE THE TWO (2) 8" LED 3-SECTION HEADS WITH 12" LED 3-SECTION HEADS LOCATED AT THE NORTHEAST AND SOUTHEAST CORNERS.

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



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

KANKAKEE US 45/52 & SOUTH TEC ROAD

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	EXISTING SIGNAL SECTION 12"
	EXISTING LEFT TURN RED
	EXISTING LEFT TURN YELLOW
	EXISTING LEFT TURN GREEN
	EXISTING RIGHT TURN YELLOW
	EXISTING RIGHT TURN GREEN
	EXISTING TRAFFIC SIGNAL BACKPLATE
	TRAFFIC SIGNAL BACKPLATE

FILE NAME = 0366856-SHT-TS-CABLE-KANKAKEE-US45-SOUTH-TEC.DGN

USER NAME = ---

DESIGNED - --

REVISED - ---

PLOT SCALE = 1" = 20'

DRAWN - ARR/NV

REVISED - ---

PLOT DATE = 10/11

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
KANKAKEE - US 45/52 & SOUTH TEC ROAD

SCALE: 1" = 20'

SHEET NO. ___ OF ___ SHEETS

STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	14

CONTRACT NO. 66B57
ILLINOIS FED. AID PROJECT

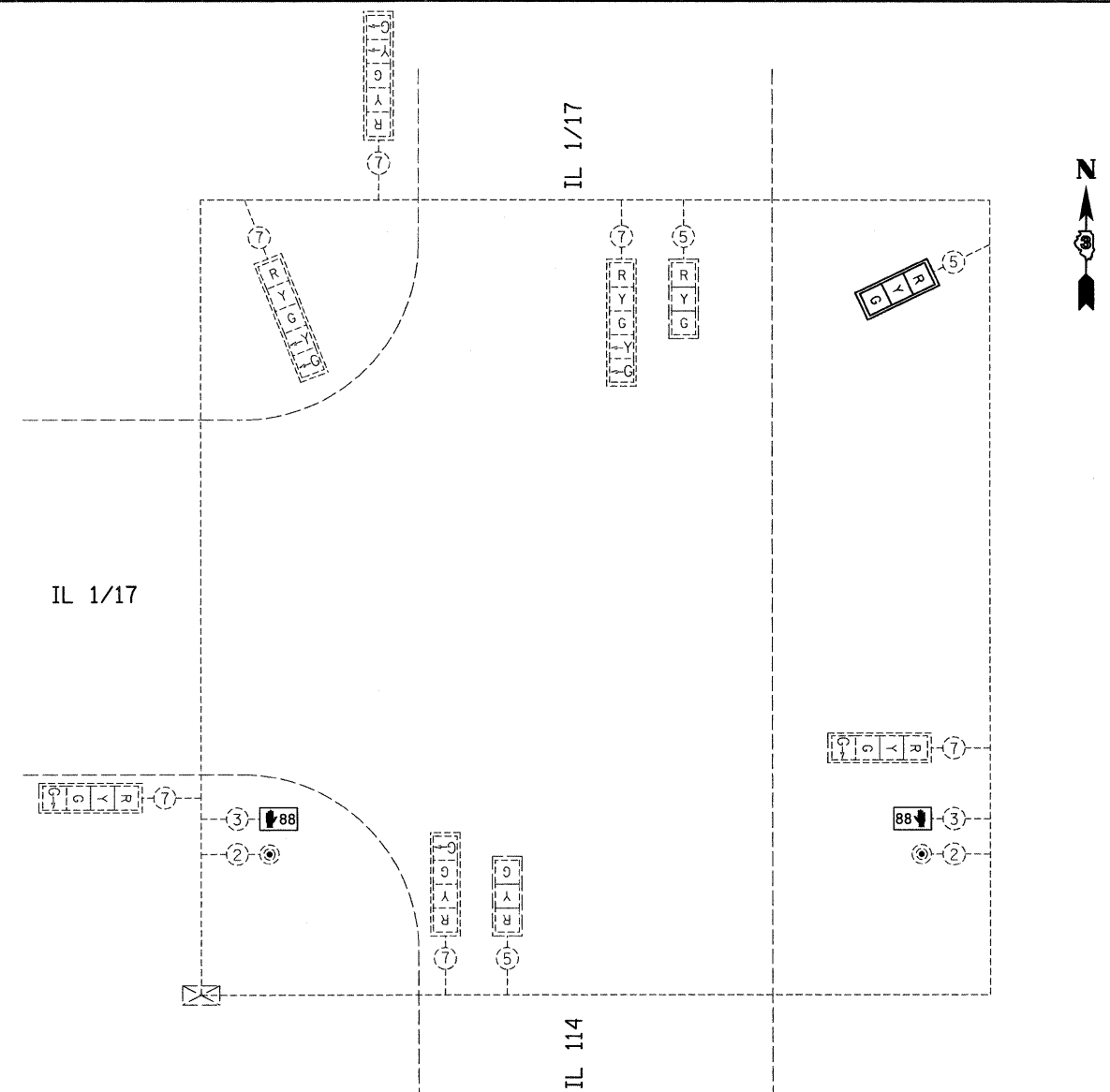
• IROQUOIS & KANKAKEE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 1/17	RED	6	7	35
	YELLOW	6	12	5
	GREEN	6	9.5	60
	YELLOW ARROW RT.	1	6	5
	GREEN ARROW RT.	4	6	10
IL 114	RED	3	7	60
	YELLOW	3	12	5
	GREEN	3	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
	88	2	11/10	50/50
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:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- REMOVE AND REPLACE ONE (1) 8" LED 3-SECTION HEAD WITH 12" LED 3-SECTION HEAD LOCATED AT THE NORTHEAST CORNER.
- REMOVE AND REPLACE TWO (2) PEDESTRIAN HEADS WITH LED PEDESTRIAN HEADS WITH COUNT DOWN TIMERS.
- REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 - 1 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
 - 2 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET 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.



PROPOSED CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNALS LEGEND

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

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

MOMENCE IL 1/17 & IL 114

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

FILE NAME = 0366856-SHT-TS-CABLE-MOMENCE-IL1-IL114.DGN

USER NAME = ---
 PLOT SCALE = 1" = 20'
 PLOT DATE = 10/11

DESIGNED - --
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
MOMENCE - IL 1/17 AND IL 114

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	15

CONTRACT NO. 66B57
 ILLINOIS FED. AID PROJECT

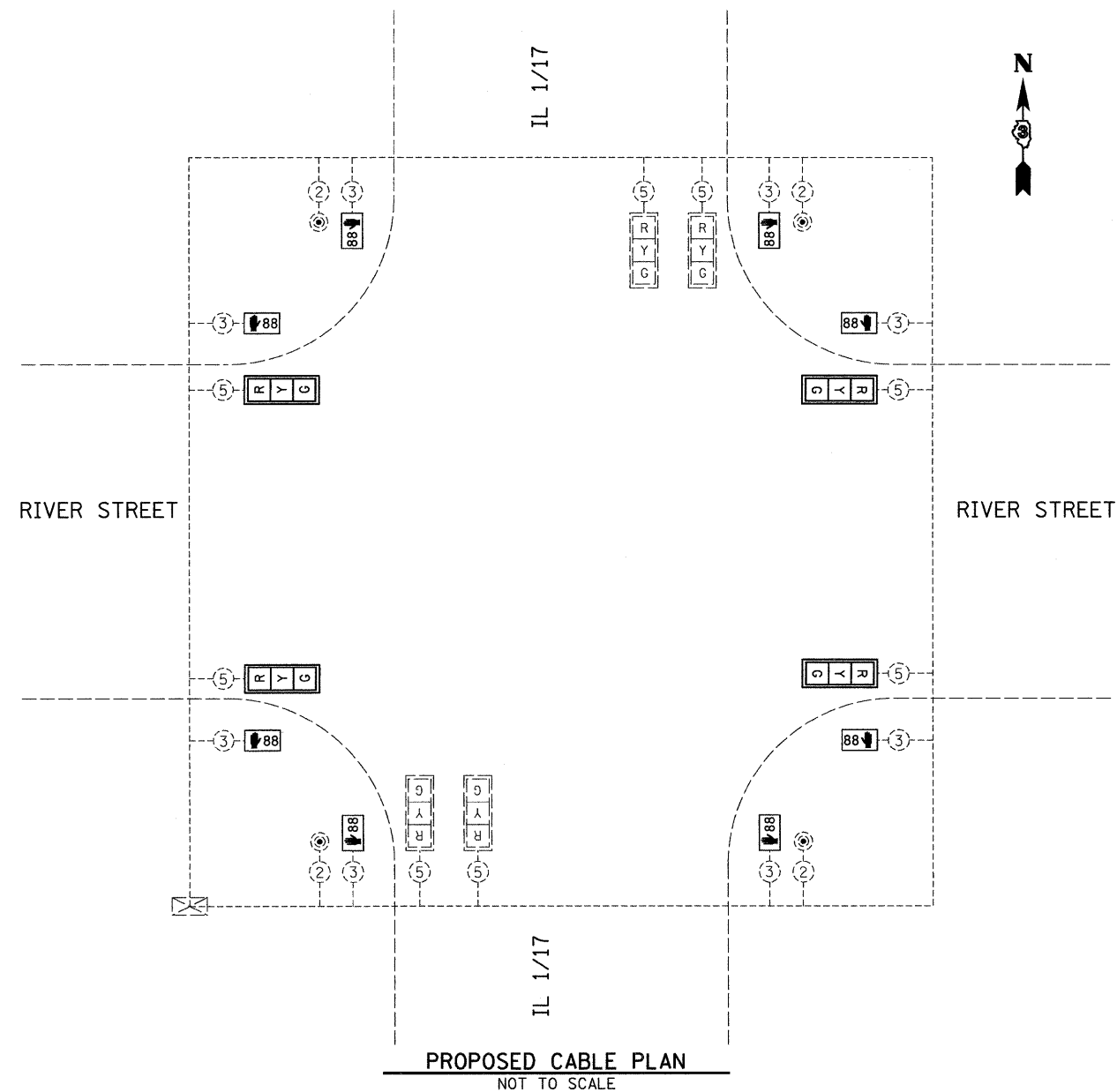
• IROQUOIS & KANKAKEE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 1/17	RED	4	7	35
	YELLOW	4	12	5
	GREEN	4	9.5	60
		4	11/10	50/50
		4	8	50
RIVER STREET	RED	4	7	60
	YELLOW	4	12	5
	GREEN	4	9.5	35
		4	11/10	50/50
		4	8	50
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:
 CITY OF MOMENCE

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- REMOVE AND REPLACE FOUR (4) 8" LED 3-SECTION HEADS WITH 12" LED 3-SECTION HEADS LOCATED AT THE NORTHEAST, NORTHWEST, SOUTHEAST, AND SOUTHWEST CORNERS.
- REMOVE AND REPLACE EIGHT (8) PEDESTRIAN HEADS WITH LED PEDESTRIAN HEADS WITH COUNT DOWN TIMERS.
- REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 - 4 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
 - 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET 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.



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

MOMENCE IL 1/17 (RANGE ST.) & RIVER ST.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

TRAFFIC SIGNALS LEGEND

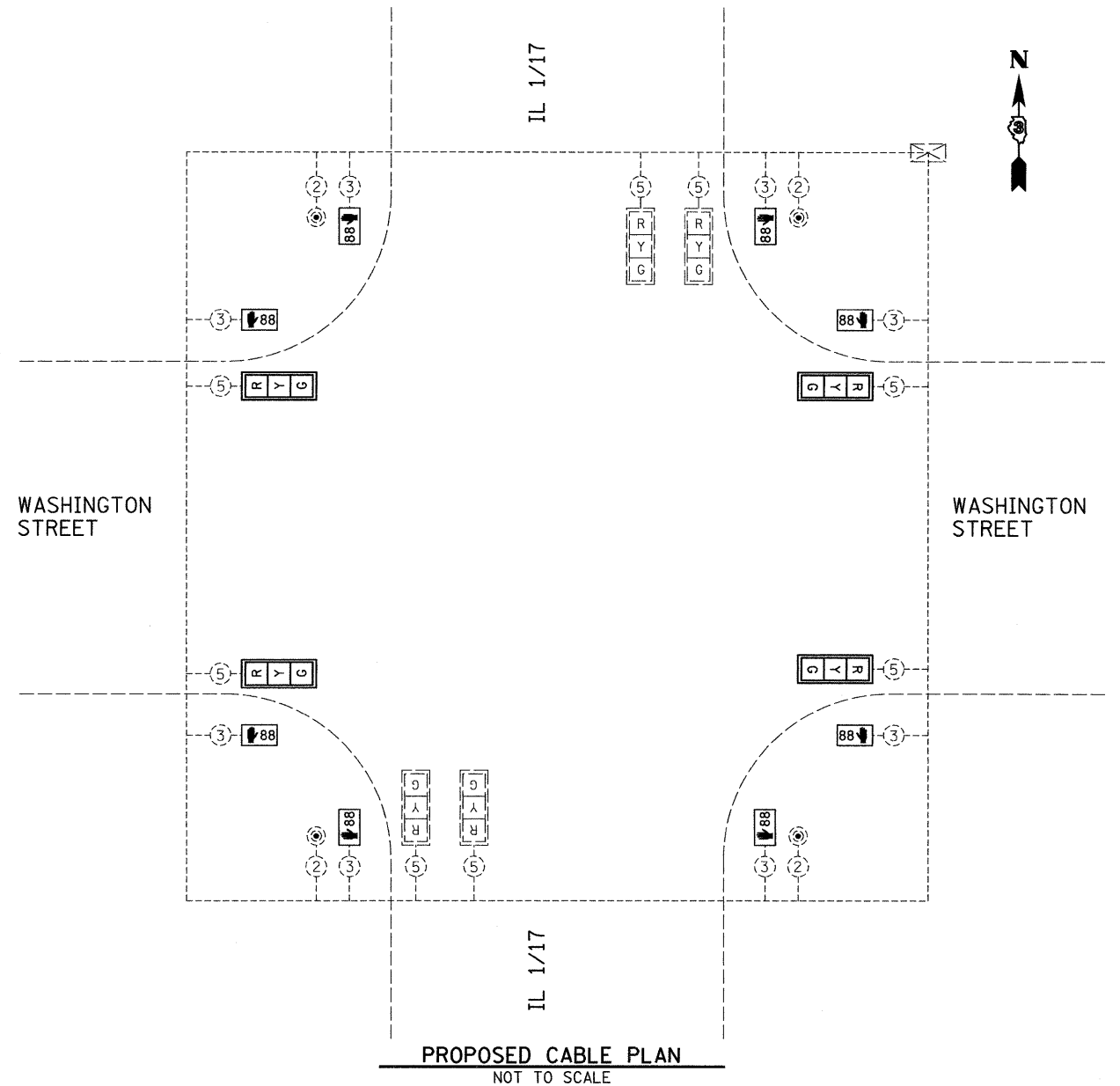
	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	EXISTING SIGNAL SECTION 12"
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	TRAFFIC SIGNAL BACKPLATE

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 1/17	RED	4	7	35
	YELLOW	4	12	5
	GREEN	4	9.5	60
		4	11/10	50/50
		4	8	50
WASHINGTON STREET	RED	4	7	60
	YELLOW	4	12	5
	GREEN	4	9.5	35
		4	11/10	50/50
		4	8	50
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:
 CITY OF MOMENCE

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- REMOVE AND REPLACE FOUR (4) 8" LED 3-SECTION HEADS WITH 12" LED 3-SECTION HEADS LOCATED AT THE NORTHEAST, NORTHWEST, SOUTHEAST, AND SOUTHWEST CORNERS.
- REMOVE AND REPLACE EIGHT (8) PEDESTRIAN HEADS WITH LED PEDESTRIAN HEADS WITH COUNT DOWN TIMERS.
- REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 4 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET 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.



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

MOMENCE IL 1/17 (RANGE ST.) & WASHINGTON ST.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

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

FILE NAME = 0366856-SHT-TS-CABLE-MOMENCE-IL1-WASHINGTON.DGN

USER NAME = --
 PLOT SCALE = 1" = 20'
 PLOT DATE = 10/11

DESIGNED - --
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
 MOMENCE - IL 1/17 (RANGE ST.) AND WASHINGTON STREET

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	.	17	17

CONTRACT NO. 66B57
 ILLINOIS FED. AID PROJECT

• IROQUOIS & KANKAKEE