

# PROPOSED HIGHWAY PLANS

## VARIOUS ROUTES SECTION D-3 LED RETROFIT 2012-1

### DEKALB COUNTY C-93-139-11

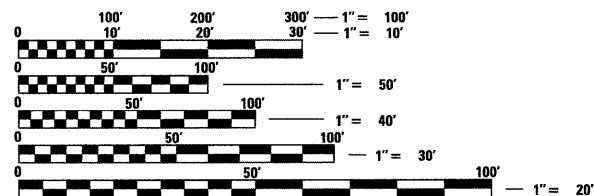
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-3	LED RETROFIT 2012-1	DEKALB	41	1
FED. ROAD DIST. NO. -		ILLINOIS	CONTRACT NO. 66B54	

**INDEX OF SHEETS**

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
- 4.-8. INTERSECTION LOCATION MAPS
9. SCHEDULE OF QUANTITIES
- 10.-26. CABLE PLANS - DEKALB
- 27.-28. CABLE PLANS - GENOA
- 29.-31. CABLE PLANS - SANDWICH
- 32.-40. CABLE PLANS - SYCAMORE
41. 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
- 701006-03 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
- 701606-08 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-02 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS



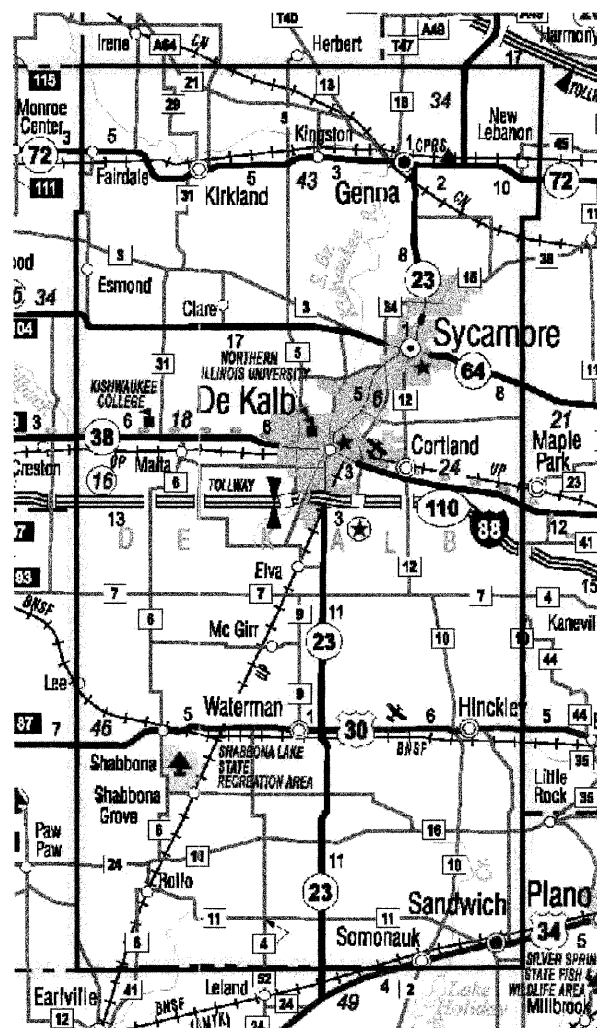
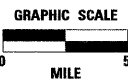
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

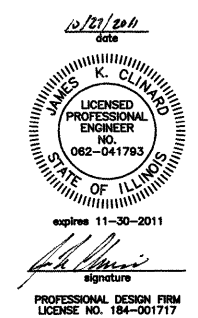
PROJECT ENGINEER: TOM HUFNAGEL, P.E.  
UNIT CHIEF: DAN DEVINE, P.E.

CONTRACT NO. 66B54

**LOCATION MAP**



- CITIES**
- DEKALB
  - GENOA
  - SANDWICH
  - SYCAMORE
  - WATERMAN



**CHAMLIN ASSOCIATES**  
PERU ILLINOIS MORRIS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 10-28 20 11

*Eric J. Thompson*  
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. Frey*  
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. DEKALB 815-748-2030
  - B. GENOA 815-784-2327
  - C. SANDWICH 815-786-9321
  - D. SYCAMORE 815-895-4515
  - E. WATERMAN 815-264-3652
2. 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.
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.

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		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DISTRICT THREE

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

DATE: OCTOBER 28, 2011

EXAMINED BY: *Harold Jurey*  
 DISTRICT CONSTRUCTION ENGINEER

*Wayne Phillips*  
 DISTRICT MATERIALS ENGINEER

*Don Brown*  
 DISTRICT STUDIES & PLANS ENGINEER

FILE NAME = D366B54-SHT-TS-GENNOTES.DGN	USER NAME = --	DESIGNED - --	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL GENERAL NOTES</b>	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
		DRAWN - ARR/NV	REVISED - ---			-- D-3 LED RETROFIT 2012-1 DEKALB 41 2
PLOT SCALE = N/A		CHECKED - JKC	REVISED - ---			CONTRACT NO. 66B54
PLOT DATE = 10/11		DATE - 10/11	REVISED - ---			ILLINOIS FED. AID PROJECT
SCALE: N/A SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____						

ITEM NO.	DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	DEKALB		GENOA	SANDWICH		SYCAMORE		WATERMAN	STATE
				95% STATE/ 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	96.7% STATE/ 3.3% CITY	95% STATE/ 5% CITY	100% STATE/ 0% CITY
				0021	0021	0021	0021	0021	0021	0021	0021	
67100100	MOBILIZATION	L SUM	1	07C0L,01	07C0L,02	07C0L,03	07C0L,04	07C0L,05	07C0L,06	07C0L,07	07C0L,08	07ADL,01
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	--	--	--	--	--	--	--	--	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	--	--	--	--	--	--	--	--	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	--	--	--	--	--	--	--	--	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	--	--	--	--	--	--	--	--	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	40	17	3	2	2	1	7	2	1	5
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	218	112	18	16	8	--	36	12	8	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	40	17	3	2	2	1	7	2	1	5
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	29	14	3	2	1	--	5	2	1	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16	16	--	--	--	--	--	--	--	--
X8760250	VIBROTACTILE FEATURE	EACH	16	16	--	--	--	--	--	--	--	--
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	413	219	30	20	15	7	90	16	--	16
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	405	219	30	20	15	4	85	16	--	16
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	412	219	30	20	15	7	89	16	--	16
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	174	118	6	--	2	1	39	4	--	4
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	185	118	6	--	2	7	44	4	--	4
Z0033018	LED SIGNAL FACE RETROFIT, RED ARROW	EACH	2	2	--	--	--	--	--	--	--	--

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USER NAME = --  
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 PLOT DATE = 10/11

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

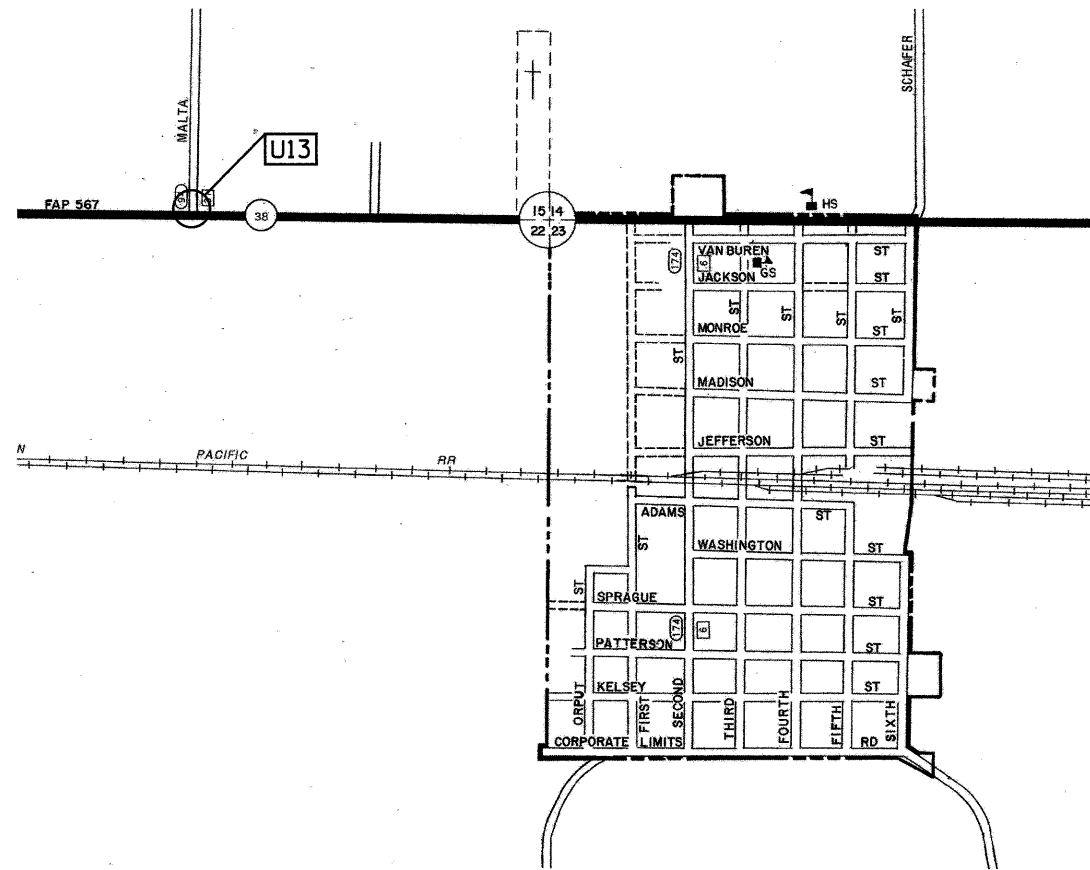
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

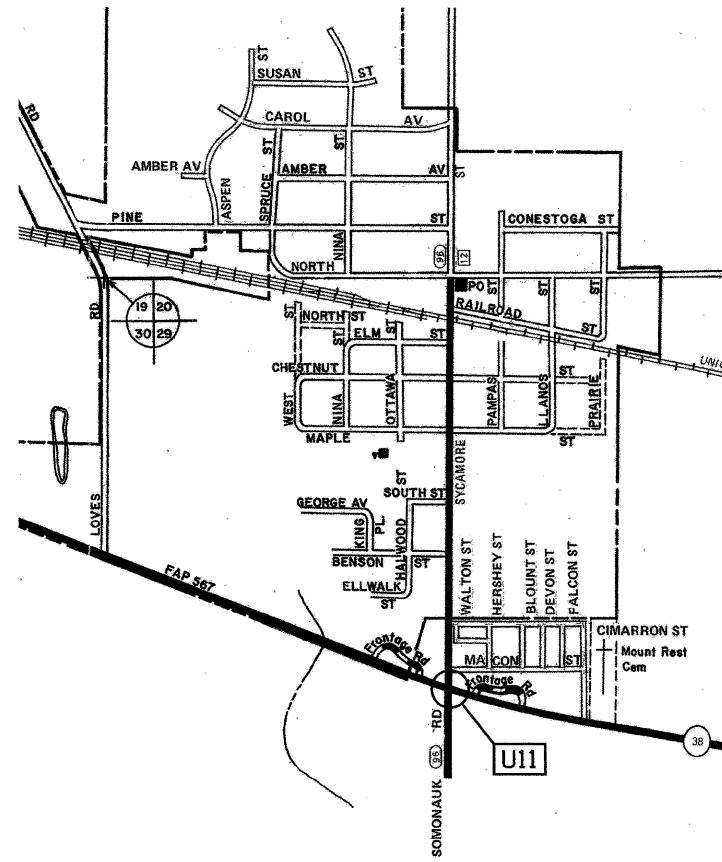
**TRAFFIC SIGNAL SUMMARY OF QUANTITIES**

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

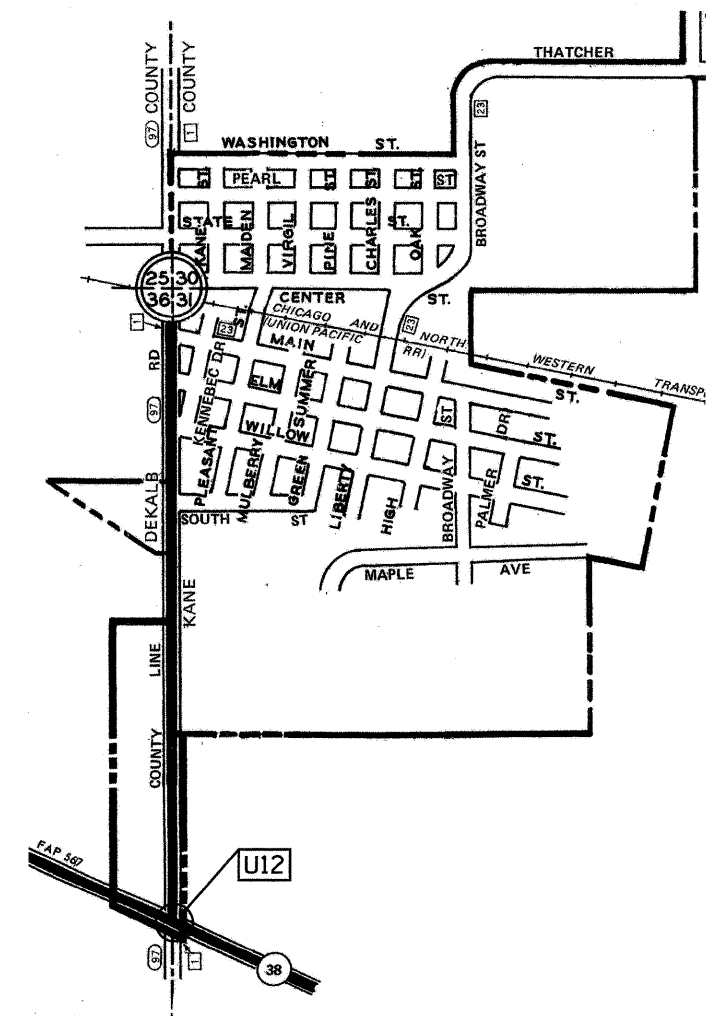
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	3
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	



NEAR MALTA



NEAR CORTLAND



NEAR MAPLE PARK

**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
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- E = INTERSECTION WILL BE REPLACING 8" SIGNAL HEADS WITH 12" SIGNAL HEADS

**LEGEND**

- U11 - IL 38 & SOMONAUK ROAD (CORTLAND)
- U12 - IL 38 & COUNTY LINE ROAD
- U13 - IL 38 & MALTA ROAD

FILE NAME = D366B54-SHT-LOCATION-MAPS.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

PLOT SCALE = N/A

DRAWN - ARR/NV

REVISED - ---

PLOT DATE = 10/11

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

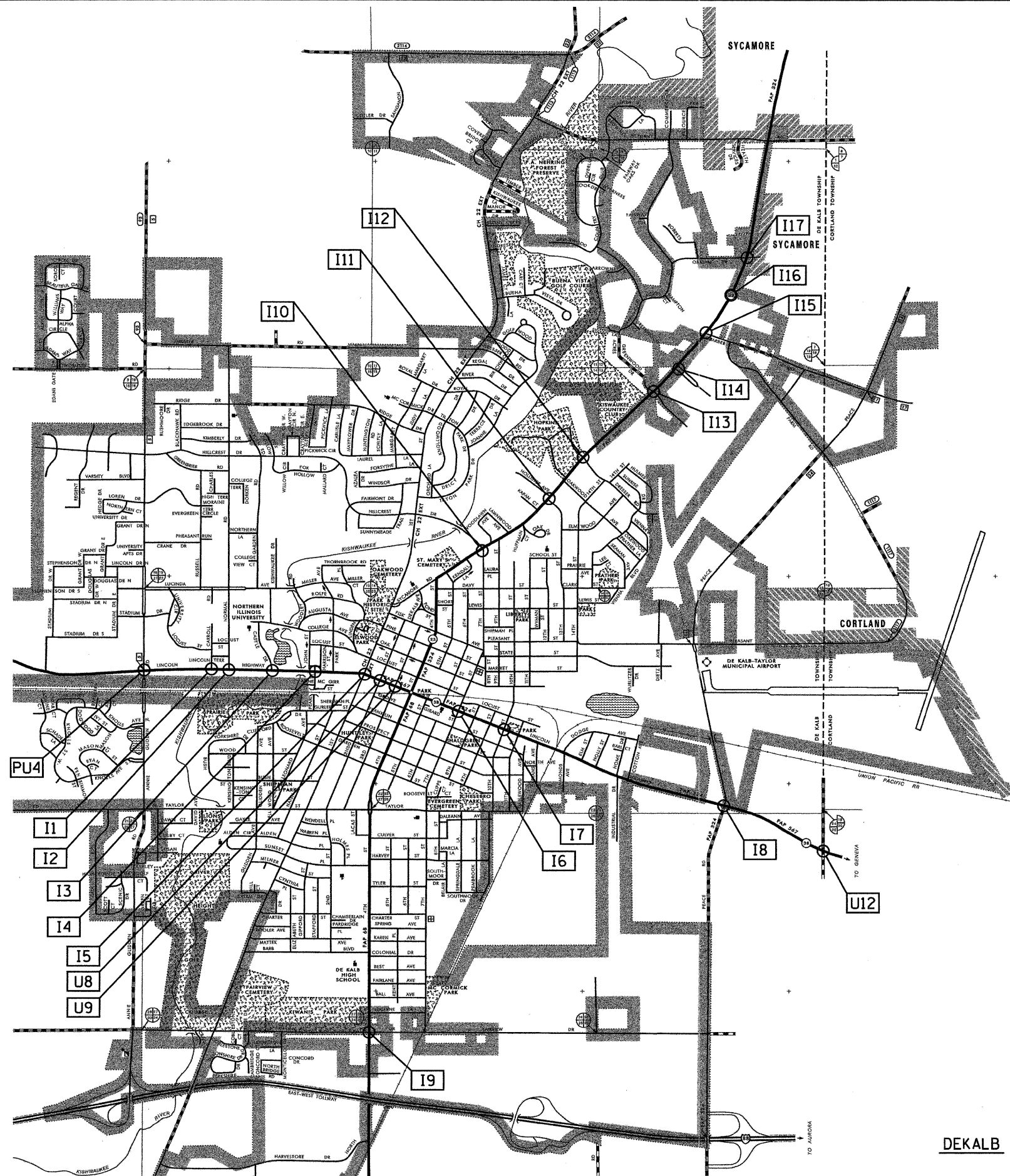
**INTERSECTION LOCATION MAP  
OUTSIDE CORPORATE LIMITS**

SCALE: N/A

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	4
CONTRACT NO. 66B54				
ILLINOIS FED. AID PROJECT				



**LEGEND NOTES**

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**LEGEND**

- I1 - IL 38 & CARROL AVENUE
- I2 - IL 38 & NORMAL ROAD
- I3 - IL 38 & CASTLE DRIVE
- I4 - IL 38 & PEARL STREET
- I5 - IL 38 & FIRST STREET
- I6 - IL 38 & SEVENTH STREET
- I7 - IL 38 & TENTH STREET
- I8 - IL 38 & PEACE ROAD
- I9 - IL 23 & FAIRVIEW DRIVE
- I10 - IL 23 SYCAMORE RD. & HILLCREST DR./SEVENTH ST.
- I11 - IL 23 & HOLLISTER AVE./13TH ST.
- I12 - IL 23 & DRESSER ROAD
- I13 - IL 23 & GREENWOOD ACRES DRIVE
- I14 - IL 23 & MARKET SQUARE ENTRANCE
- I15 - IL 23 & BARBER GREENE ROAD
- I16 - IL 23 & NORTHLAND (TARGET ENTRANCE)
- I17 - IL 23 & OAKLAND DRIVE
- PU4 - IL 38 & ANNIE GILDDEN ROAD
- U8 - IL 38 & SECOND STREET
- U9 - IL 38 & THIRD STREET

DEKALB

FILE NAME = 0366B54-SHT-LOCATION-MAPS.DGN

USER NAME = --

DESIGNED - --

REVISED - --

PLOT SCALE = N/A

DRAWN - ARR/NV

REVISED - --

PLOT DATE = 10/11

CHECKED - JKC

REVISED - --

DATE - 10/11

REVISED - --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

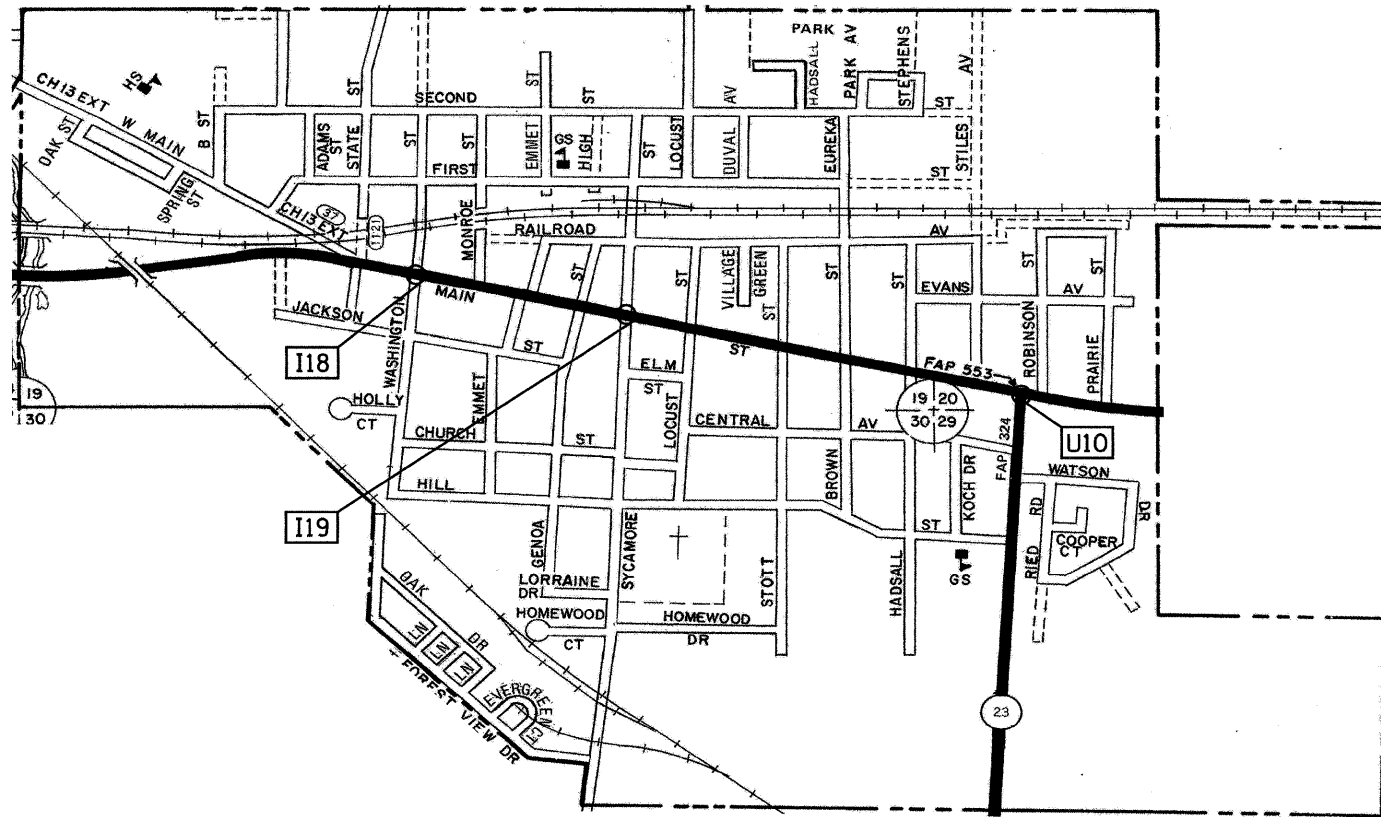
**INTERSECTION LOCATION MAP  
DEKALB**

SCALE: N/A

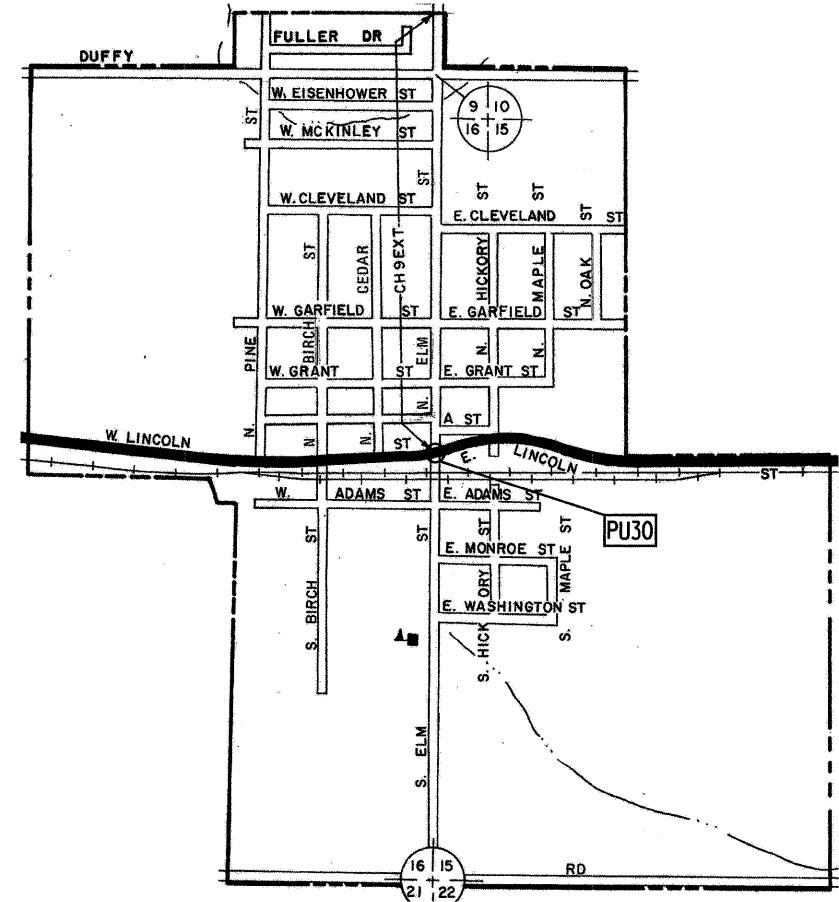
SHEET NO. -- OF -- SHEETS

STA. ----- TO STA. -----

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	5
CONTRACT NO. 66B54				
ILLINOIS FED. AID PROJECT				



GENOA



WATERMAN

**LEGEND NOTES**

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- E = INTERSECTION WILL BE REPLACING 8" SIGNAL HEADS WITH 12" SIGNAL HEADS

**LEGEND**

- PU30 - US 30 & ELM STREET
- I18 - IL 72 & WASHINGTON STREET
- I19 - IL 72 & SYCAMORE STREET
- U10 - IL 23 & IL 72 (MAIN STREET)

FILE NAME = 0366854-SHT-LOCATION-MAPS.DGN

USER NAME = ---

DESIGNED - ---

REVISED - ---

PLOT SCALE = N/A

DRAWN - ARR/NV

REVISED - ---

PLOT DATE = 10/11

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP  
GENOA AND WATERMAN**

SCALE: N/A

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

--- D-3 LED RETROFIT 2012-1

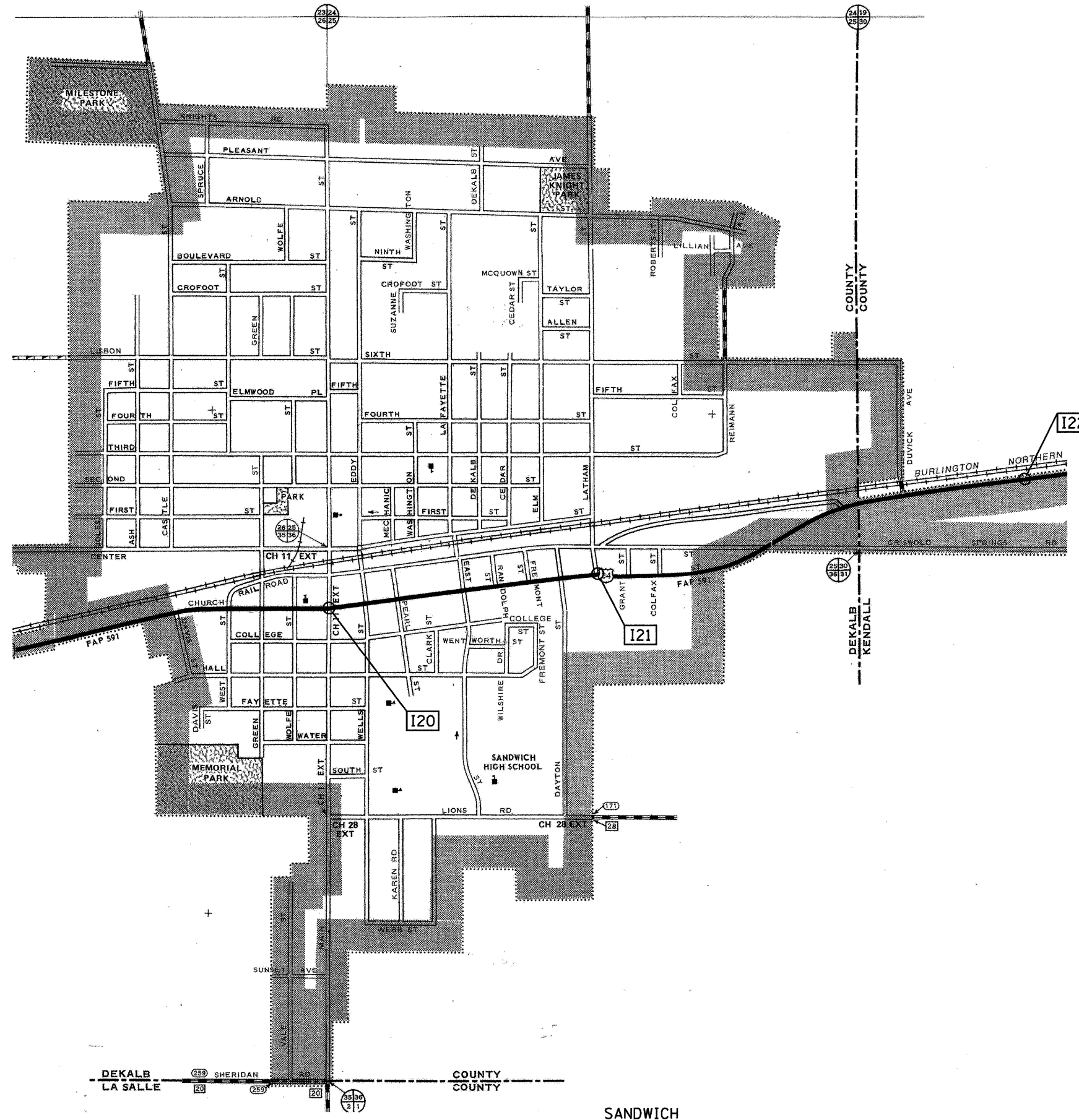
DEKALB

41

6

CONTRACT NO. 66B54

ILLINOIS FED. AID PROJECT



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**LEGEND**

- I20 - US 34 & MAIN STREET
- I21 - US 34 & LATHAM STREET
- I22 - US 34 & INDIAN SPRINGS MALL

FILE NAME = D366854-SHT-LOCATION-MAPS.DGN

USER NAME = --

DESIGNED - --

REVISED - --

PLOT SCALE = N/A

DRAWN - ARR/NV

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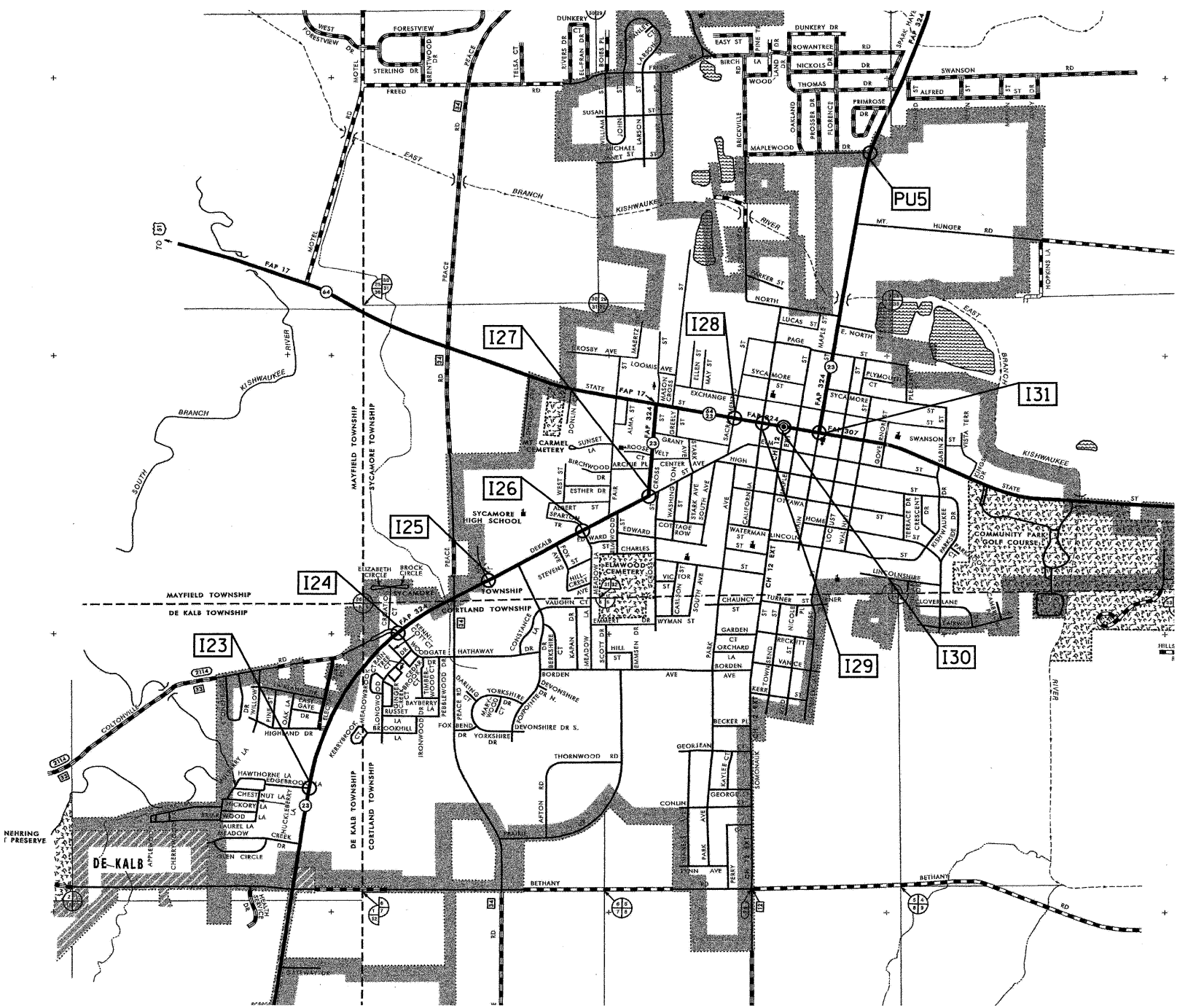
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LOCATION MAP  
SANDWICH**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	7
CONTRACT NO. 66B54				

ILLINOIS FED. AID PROJECT



**SYCAMORE**

**LEGEND NOTES**

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**LEGEND**

- I23 - IL 23 & EDGEBROOK LN. / MERCANTILE DR.
- I24 - IL 23 & COLTONVILLE RD. / WOODGATE DR.
- I25 - IL 23 & PLAZA DR. / FARM & FLEET ENTRANCE
- I26 - IL 23 & SPARTAN TRAIL / MEADOW LN.
- I27 - IL 23 & CENTER CROSS STREET
- I28 - IL 23 / IL 64 & SACRAMENTO STREET
- I29 - IL 23 / IL 64 & CALIFORNIA STREET
- I30 - IL 23 / IL 64 & SOMONAUK STREET
- I31 - IL 23 & IL 64 (EAST INTERSECTION)
- PU5 - IL 23 & MAPPLEWOOD DRIVE

FILE NAME = 0366B54-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  
 SYCAMORE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	8
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	



CITY	INTERSECTION	88102825 PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE BRACKET MOUNTED WITH COUNT DOWN TIMER				X8760200 ACCESSIBLE PEDESTRIAN SIGNALS AND X8760250 VIBROTACTILE FEATURE			
		95% STATE 5% CITY	100% STATE 0% CITY	97.5% STATE 2.5% CITY	96.7% STATE 3.3% CITY	95% STATE 5% CITY	100% STATE 0% CITY	97.5% STATE 2.5% CITY	96.7% STATE 3.3% CITY
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
DEKALB	IL 38 & ANNIE GILDDEN RD.	16	--	--	--	16	--	--	--
SYCAMORE	IL 23 & MAPLEWOOD DR.	8	--	--	--	--	--	--	--
WATERMAN	US 30 & ELM ST.	8	--	--	--	--	--	--	--
<b>SUBTOTAL</b>		<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>					<b>32</b>				<b>16</b>

CITY	INTERSECTION	86200300 UNINTERRUPTABLE POWER SUPPLY, EXTENDED				89502210 MODIFY EXISTING CONTROLLER CABINET			
		95% STATE 5% CITY	100% STATE 0% CITY	97.5% STATE 2.5% CITY	96.67% STATE 3.33% CITY	95% STATE 5% CITY	100% STATE 0% CITY	97.5% STATE 2.5% CITY	96.67% STATE 3.33% CITY
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
DEKALB	IL 38 & ANNIE GILDDEN RD.	1	--	--	--	1	--	--	--
DEKALB	IL 38 & SECOND ST.	1	--	--	--	1	--	--	--
DEKALB	IL 38 & THIRD ST.	1	--	--	--	1	--	--	--
<b>SUBTOTAL</b>		<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
GENOA	IL 23 & IL 72 (MAIN ST.)	--	1	--	--	--	1	--	--
SYCAMORE	IL 23 & MAPLEWOOD DR.	1	--	--	--	1	--	--	--
WATERMAN	US 30 & ELM ST.	1	--	--	--	1	--	--	--
--	IL 38 & SOMONAUK RD. (CORTLAND)	--	1	--	--	--	1	--	--
--	IL 38 & COUNTY LINE RD	--	1	--	--	--	1	--	--
--	IL 38 & MALTA RD.	--	1	--	--	--	1	--	--
<b>SUBTOTAL</b>		<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>
<b>COLUMN TOTAL</b>		<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>

COUNTY	CITY	INTERSECTION	FUNDING		HIGHWAY STANDARD				
			STATE	CITY	701501	701502	701606	701701	
DEKALB		IL 38 & ANNIE GILDDEN RD.	100.0	0.0	--	--	X	X	
		IL 38 & CARROL AVE.	100.0	0.0	--	X	X	X	
		IL 38 & NORMAL RD.	100.0	0.0	--	X	X	X	
		IL 38 & CASTLE DR.	100.0	0.0	--	X	X	X	
		IL 38 & PEARL ST.	100.0	0.0	--	X	X	X	
		IL 38 & FIRST ST.	100.0	0.0	--	--	X	X	
		IL 38 & SEVENTH ST.	100.0	0.0	--	X	X	X	
		IL 38 & TENTH ST.	100.0	0.0	--	X	X	X	
		IL 38 & PEACE RD.	100.0	0.0	--	--	X	X	
		IL 23 & FAIRVIEW DR.	100.0	0.0	--	--	X	X	
		IL 23 SYCAMORE RD. & HILLCREST DR./SEVENTH ST.	100.0	0.0	--	X	X	X	
		IL 23 & HOLLISTER AVE/13TH ST	100.0	0.0	--	X	X	X	
		IL 23 & DRESSER RD.	100.0	0.0	--	X	X	X	
		IL 23 & GREENWOOD ACRES DR.	100.0	0.0	--	--	X	X	
		IL 23 & MARKET SQUARE ENTRANCE	100.0	0.0	--	X	X	X	
		IL 23 & BARBER GREENE RD.	100.0	0.0	--	X	X	X	
		IL 23 & NORTHLAND (TARGET ENTRANCE)	100.0	0.0	--	--	X	X	
		IL 23 & OAKLAND DR. #	100.0	0.0	--	X	X	X	
		GENOA	IL 72 & WASHINGTON ST.	100.0	0.0	X	--	--	--
		GENOA	IL 72 & SYCAMORE ST.	100.0	0.0	X	--	--	--
		SANDWICH	US 34 & MAIN ST.	100.0	0.0	X	X	--	--
			US 34 & LATHAM ST.	100.0	0.0	X	X	--	--
		SYCAMORE	US 34 & INDIAN SPRINGS MALL	100.0	0.0	--	X	--	--
			IL 23 & EDGEBROOK LN./MERCANTILE DR.	100.0	0.0	--	X	X	X
			IL 23 & COLTONVILLE RD./WOODGATE DR.	100.0	0.0	--	--	X	X
			IL 23 & PLAZA DR./FARM & FLEET ENTRANCE	100.0	0.0	--	X	X	X
			IL 23/SPARTAN TRAIL-MEADOWS	100.0	0.0	X	X	X	X
			IL 23 & CENTER CROSS ST.	100.0	0.0	X	X	--	--
			IL 23/IL 64 & SACRAMENTO ST.	100.0	0.0	X	X	--	--
		WATERMAN	IL 23/IL 64 & CALIFORNIA ST.	100.0	0.0	X	--	--	--
			IL 23/IL 64 & SOMONAUK ST.	100.0	0.0	X	X	--	--
			IL 23 & IL 64 (EAST INTERSECTION)	100.0	0.0	--	X	--	--
		WATERMAN	IL 23 & MAPLEWOOD DR.	100.0	0.0	--	X	--	--
WATERMAN	US 30 & ELM ST.	100.0	0.0	X	X	--	--		

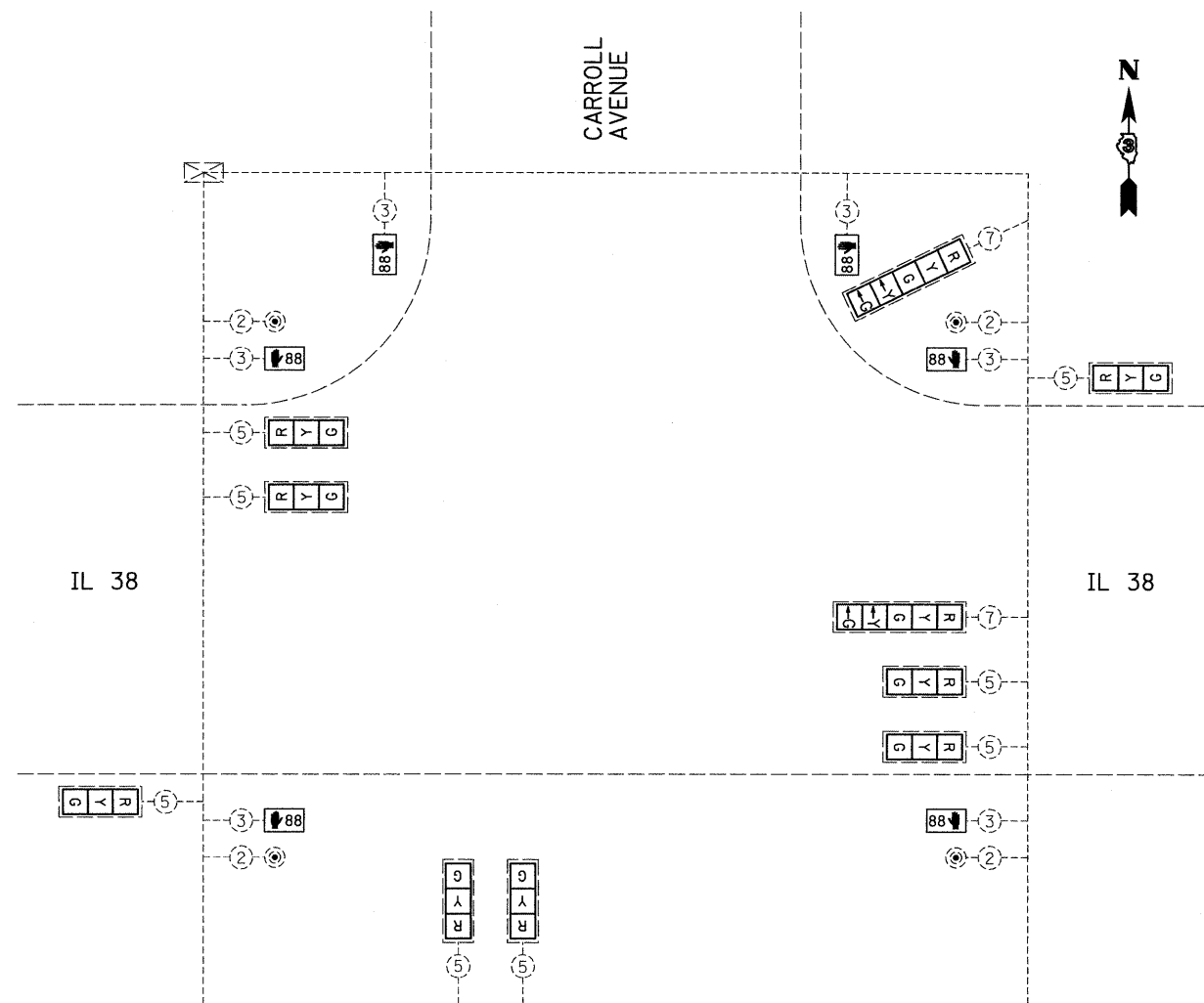
CITY	INTERSECTION & LIST OF EQUIPMENT TO BE REMOVED	89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT			
		95% STATE 5% CITY	100% STATE 0% CITY	97.5% STATE 2.5% CITY	96.67% STATE 3.33% CITY
		EACH	EACH	EACH	EACH
DEKALB	IL 38 & ANNIE GLIDDEN ROAD - EXISTING PEDESTRIAN HEADS - 16 EACH	1	--	--	--
SYCAMORE	IL 23 & MAPLEWOOD DR. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
WATERMAN	US 30 & ELM ST. - EXISTING PEDESTRIAN HEADS - 8 EACH	1	--	--	--
<b>SUBTOTAL</b>		<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>					<b>3</b>

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	11/10	50/50
		4	8	50
CARROLL AVENUE	RED	2	7	60
	YELLOW	2	12	5
	GREEN	2	9.5	35
		2	11/10	50/50
		2	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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWO (2) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE SIX (6) 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:  
 6 EACH -PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 38 & CARROL AVE.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	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	10
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	10
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	10
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	2
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	2

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL38-CARROLL.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  
 DEKALB - IL 38 & CARROLL AVENUE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	10

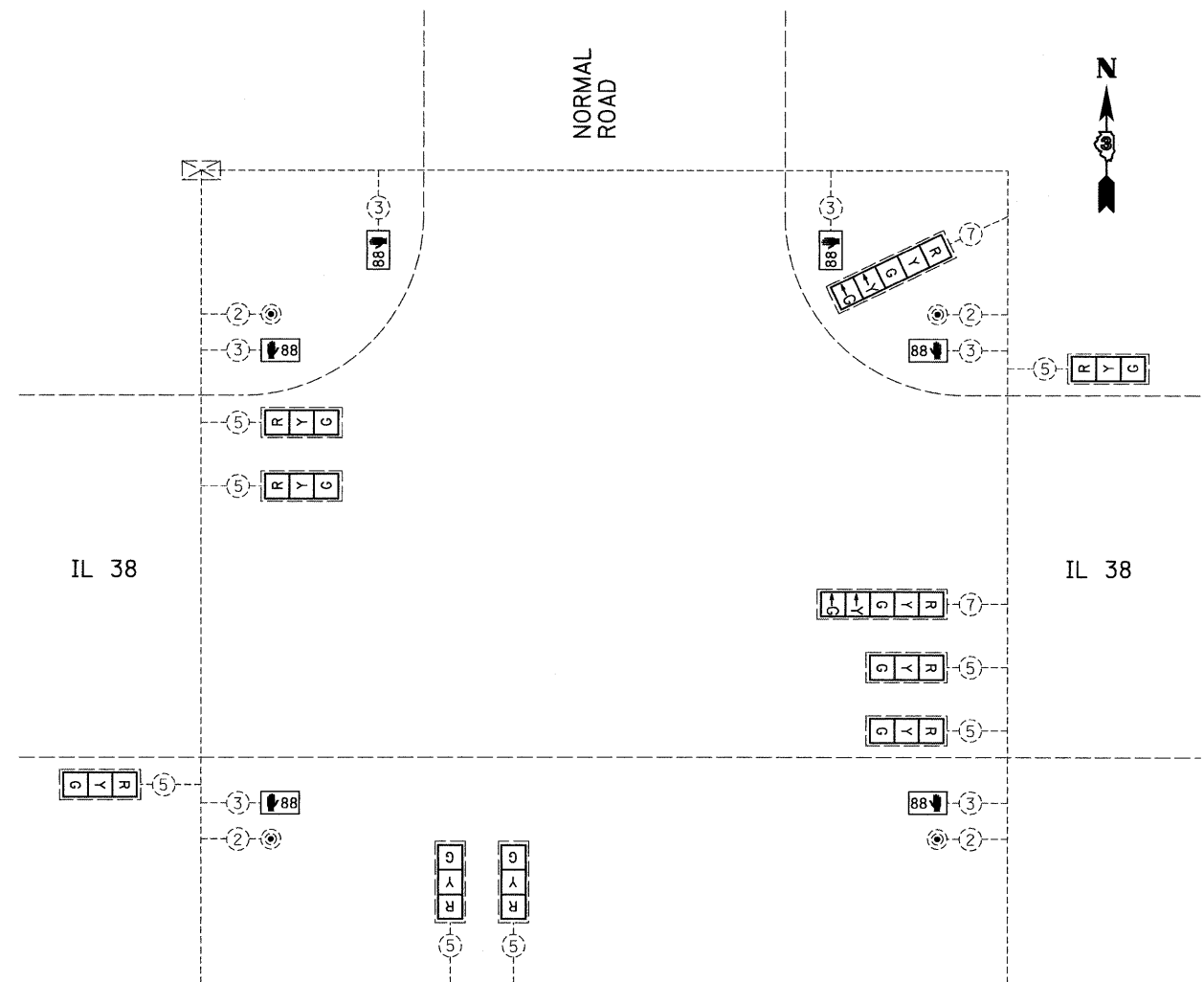
CONTRACT NO. 66B54  
 ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	11/10	50/50
NORMAL ROAD	RED	2	7	60
	YELLOW	2	12	5
	GREEN	2	9.5	35
		2	11/10	50/50
		2	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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWO (2) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE SIX (6) 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:  
 6 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 38 & NORMAL RD.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	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	10
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	10
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	10
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	2
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	2

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = D366B54-SHT-TS-CABLE-DEKALB-IL38-NORMAL.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
DEKALB - IL 38 & NORMAL ROAD

F.A. RTE. --

SECTION D-3 LED RETROFIT 2012-1

COUNTY DEKALB

TOTAL SHEETS 41

SHEET NO. 11

CONTRACT NO. 66B54

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

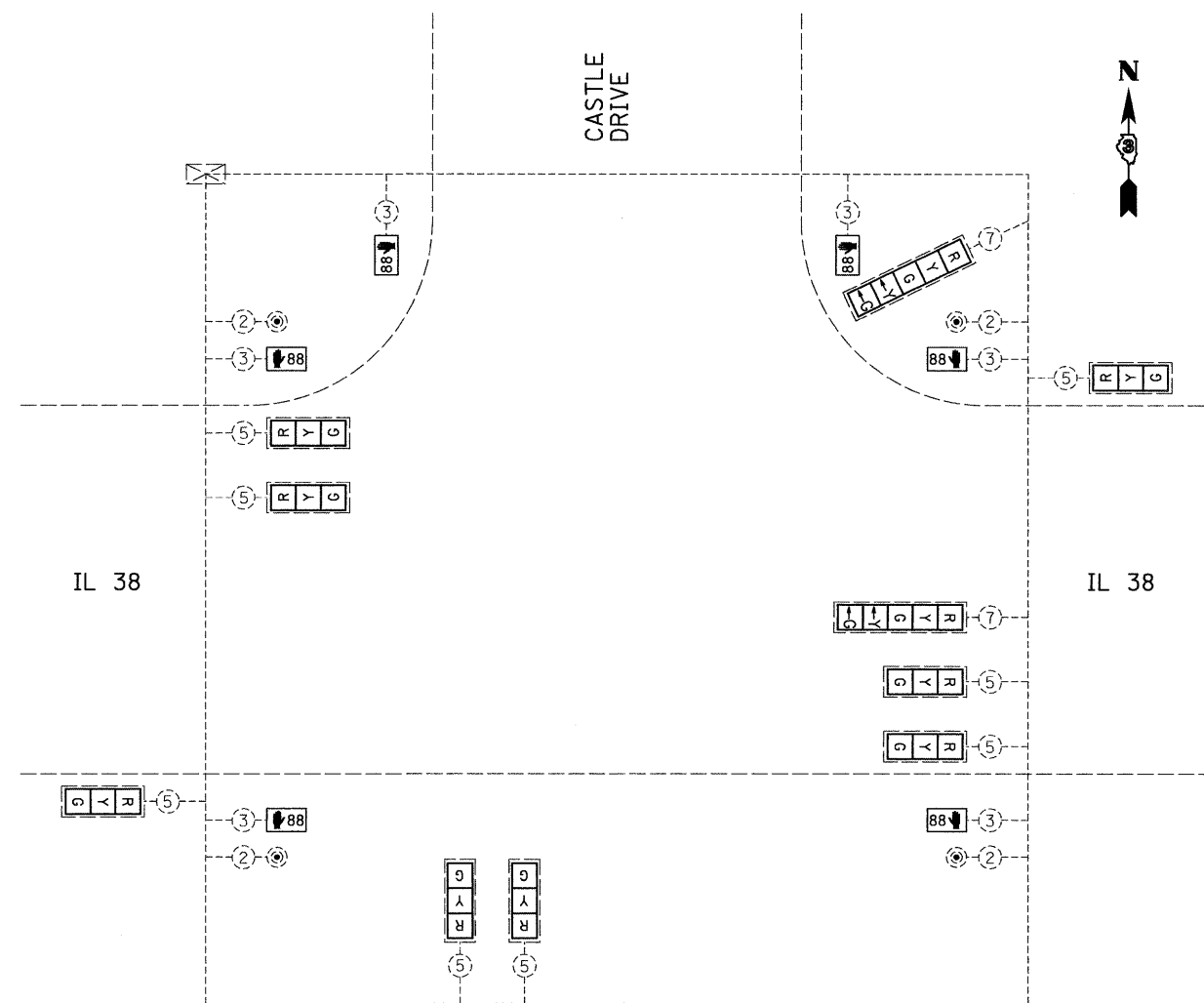
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	11/10	50/50
		4	8	50
CASTLE DRIVE	RED	2	7	60
	YELLOW	2	12	5
	GREEN	2	9.5	35
		2	11/10	50/50
		2	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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWO (2) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE SIX (6) 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:  
 6 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 38 & CASTLE DR.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	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	10
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	10
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	10
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	2
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	2

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366B54-SHT-TS-CABLE-DEKALB-IL38-CASTLE.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  
DEKALB - IL 38 & CASTLE DRIVE

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

-- D-3 LED RETROFIT 2012-1

DEKALB

41 12

CONTRACT NO. 66B54

SCALE: 1" = 20'

SHEET NO. \_\_ OF \_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

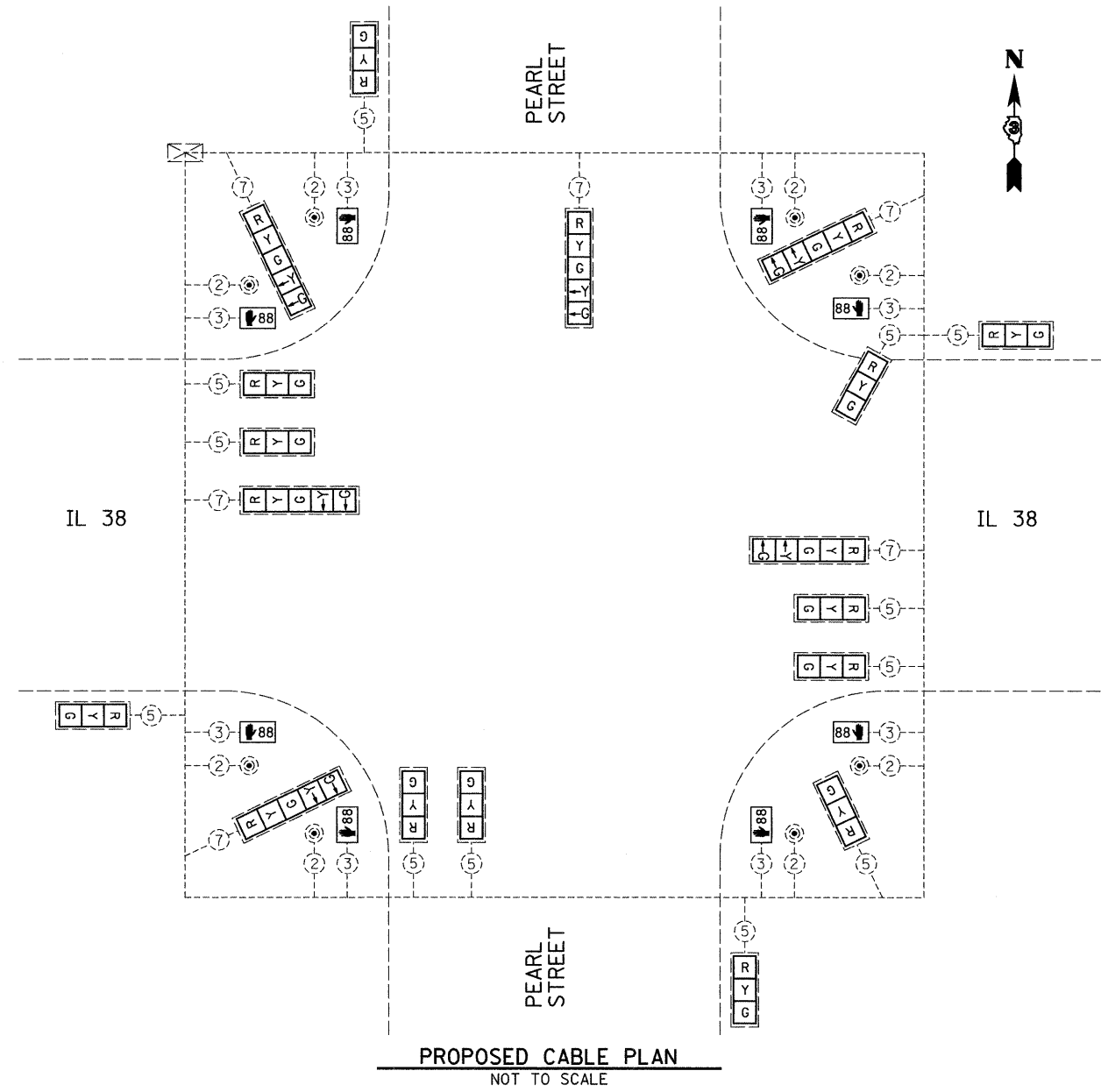
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
PEARL STREET	RED	8	7	60
	YELLOW	8	12	5
	GREEN	8	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	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:  
 CITY OF DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE TWELVE (12) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE SIX (6) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 38 & PEARL ST.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	18
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	18
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	18
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	6
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	6

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 0368854-SHT-TS-CABLE-DEKALB-IL38-PEARL.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  
 DEKALB - IL 38 & PEARL STREET**  
 SCALE: 1" = 20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

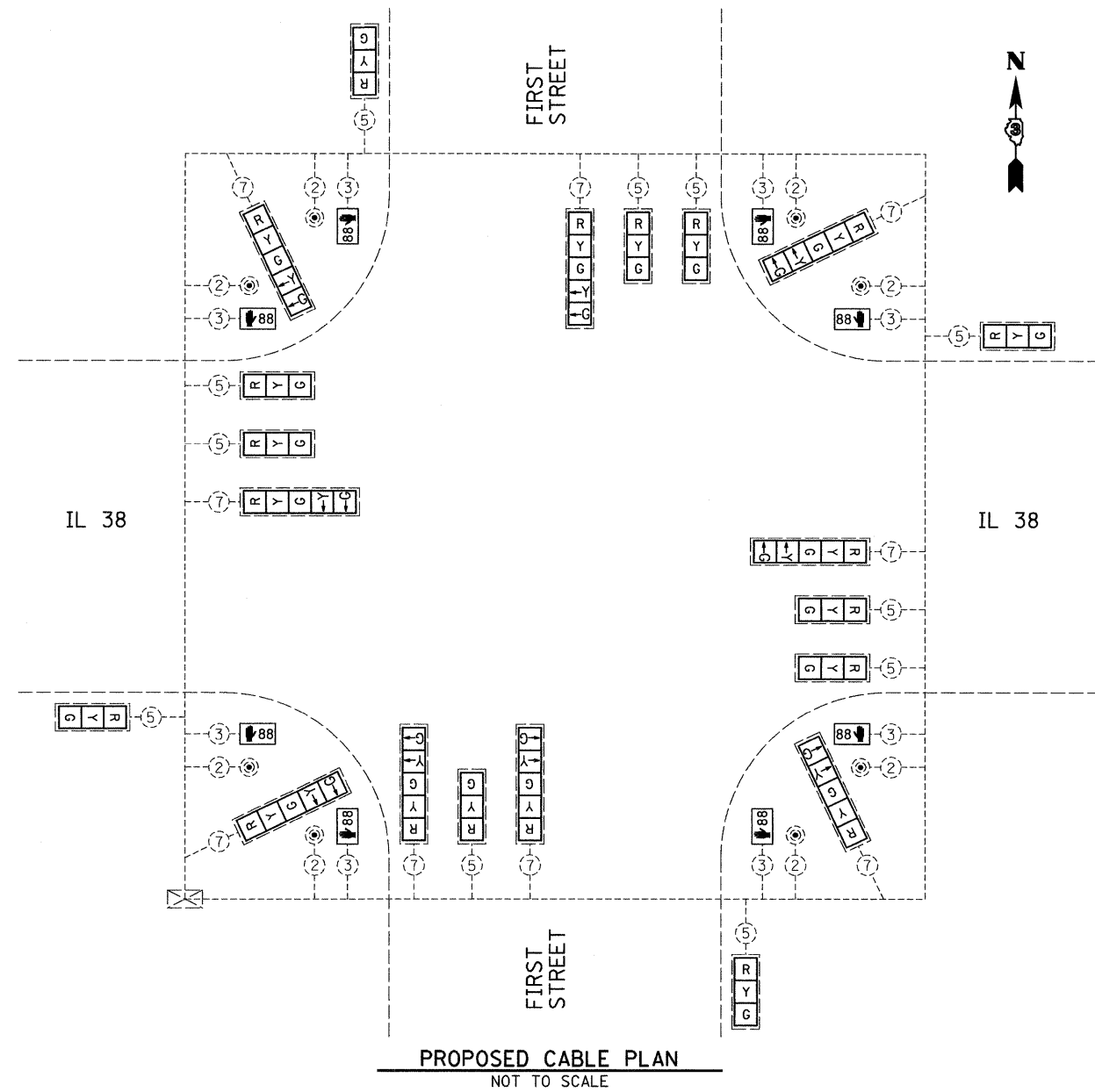
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	13
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
		4	8	50
FIRST STREET	RED	10	7	60
	YELLOW	10	12	5
	GREEN	10	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	1	6	5
	GREEN ARROW RT.	1	6	10
		4	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:  
 CITY OF DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE ELEVEN (11) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE NINE (9) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 38 & FIRST ST.		UNIT	TOTAL QUANTITY
ITEM NO.	DESCRIPTION		
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	20
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	20
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	20
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	9
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	9

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL38-FIRST.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
DEKALB - IL 38 & FIRST STREET**

F.A. RTE. ---

SECTION D-3 LED RETROFIT 2012-1

COUNTY DEKALB

TOTAL SHEETS 41

SHEET NO. 14

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

CONTRACT NO. 66B54

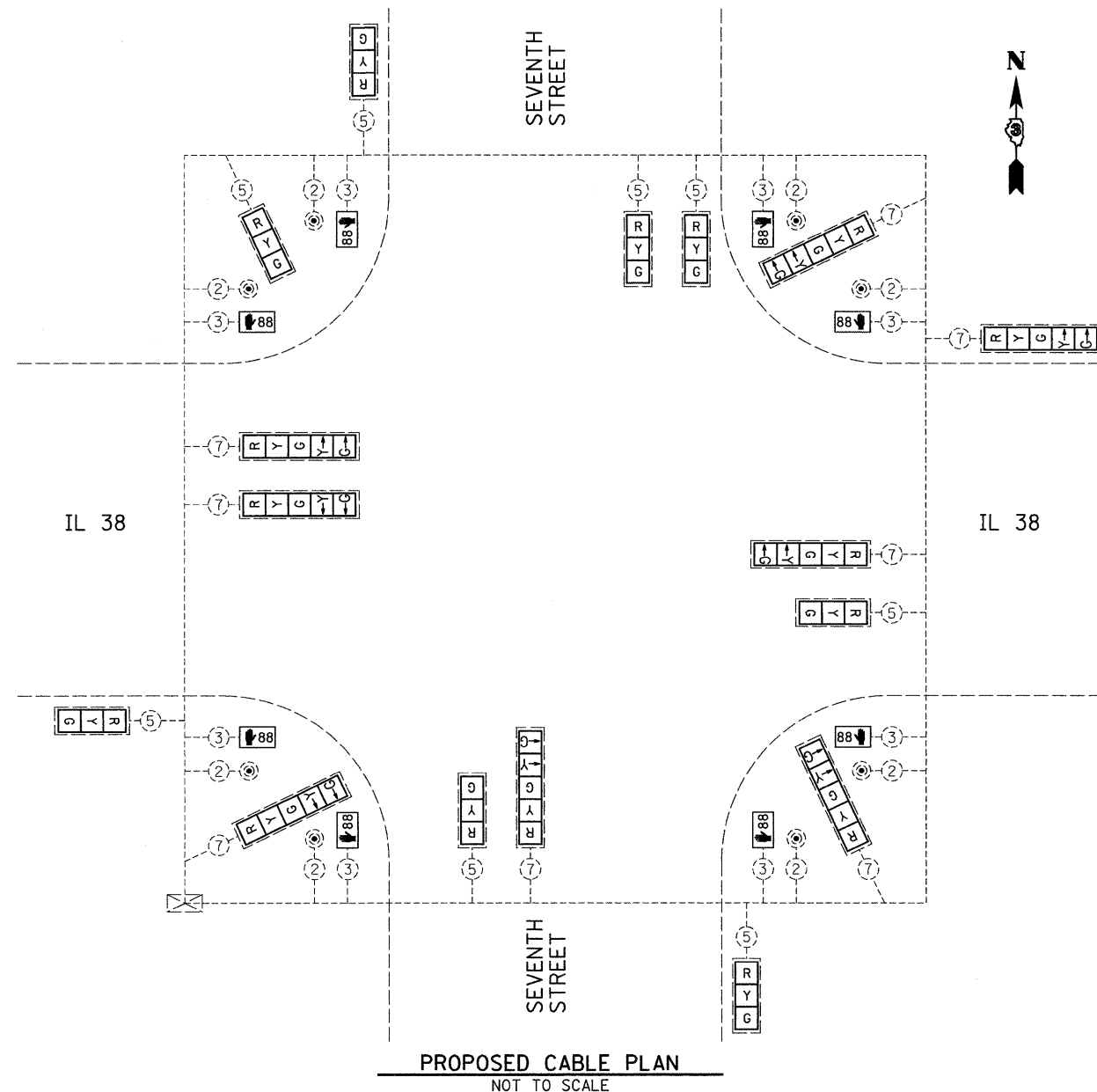
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
		4	11/10	50/50
	4	8	50	
SEVENTH STREET	RED	8	7	60
	YELLOW	8	12	5
	GREEN	8	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE EIGHT (8) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



PROPOSED CABLE PLAN  
 NOT TO SCALE

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

DEKALB IL 38 & SEVENTH ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	16
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	16
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	16
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	8
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	8

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL38-SEVENTH.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  
 DEKALB - IL 38 & SEVENTH STREET

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	15

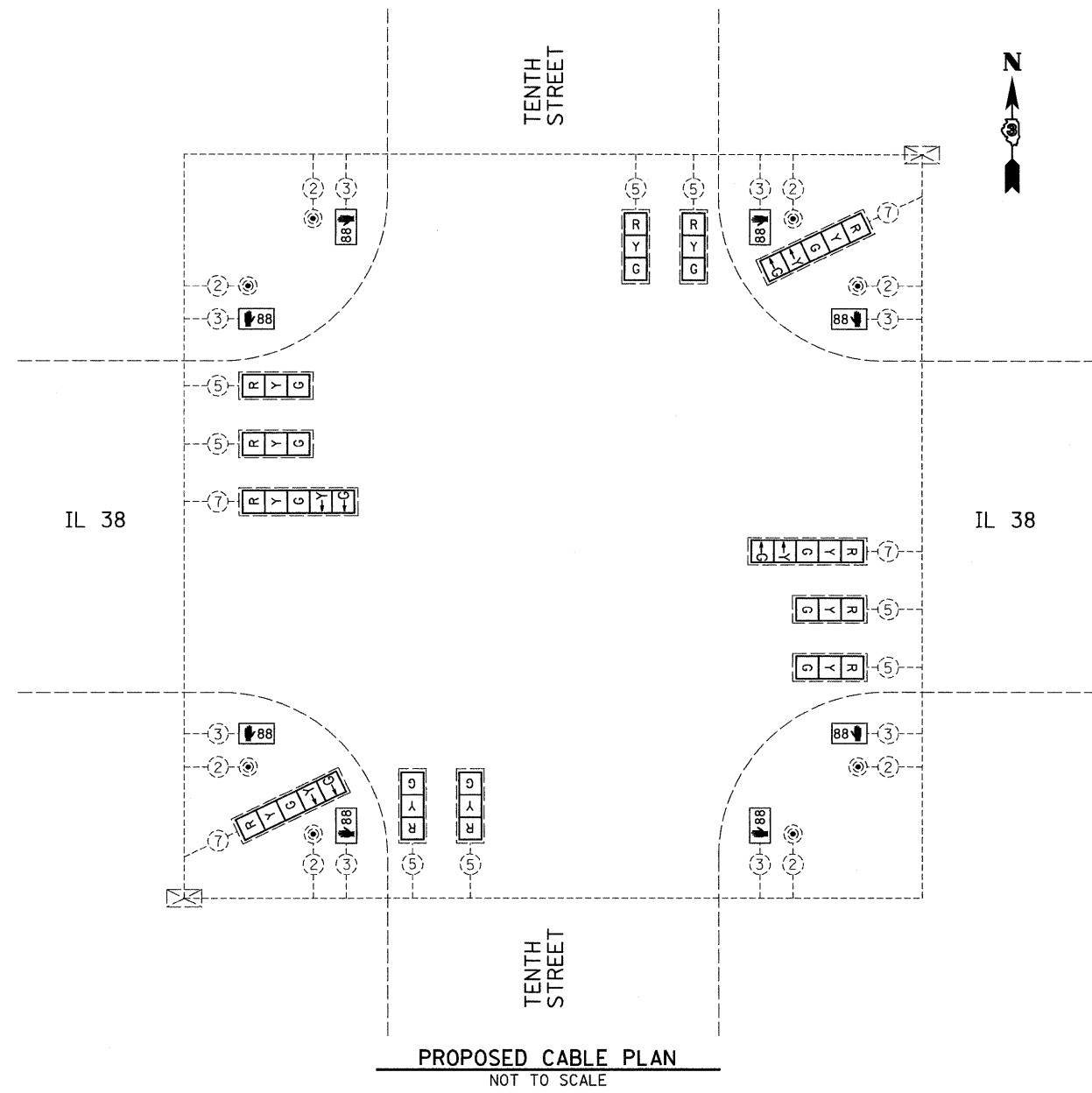
CONTRACT NO. 66B54  
 ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
TENTH 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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE FOUR (4) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 38 & TENTH ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	12
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	12
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	12
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	4
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366B54-SHT-TS-CABLE-DEKALB-IL38-TENTH.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
DEKALB - IL 38 & TENTH STREET

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

-- D-3 LED RETROFIT 2012-1 DEKALB 41 16

CONTRACT NO. 66B54

SCALE: 1" = 20'

SHEET NO. -- OF -- SHEETS

STA. ----- TO STA. -----

ILLINOIS FED. AID PROJECT

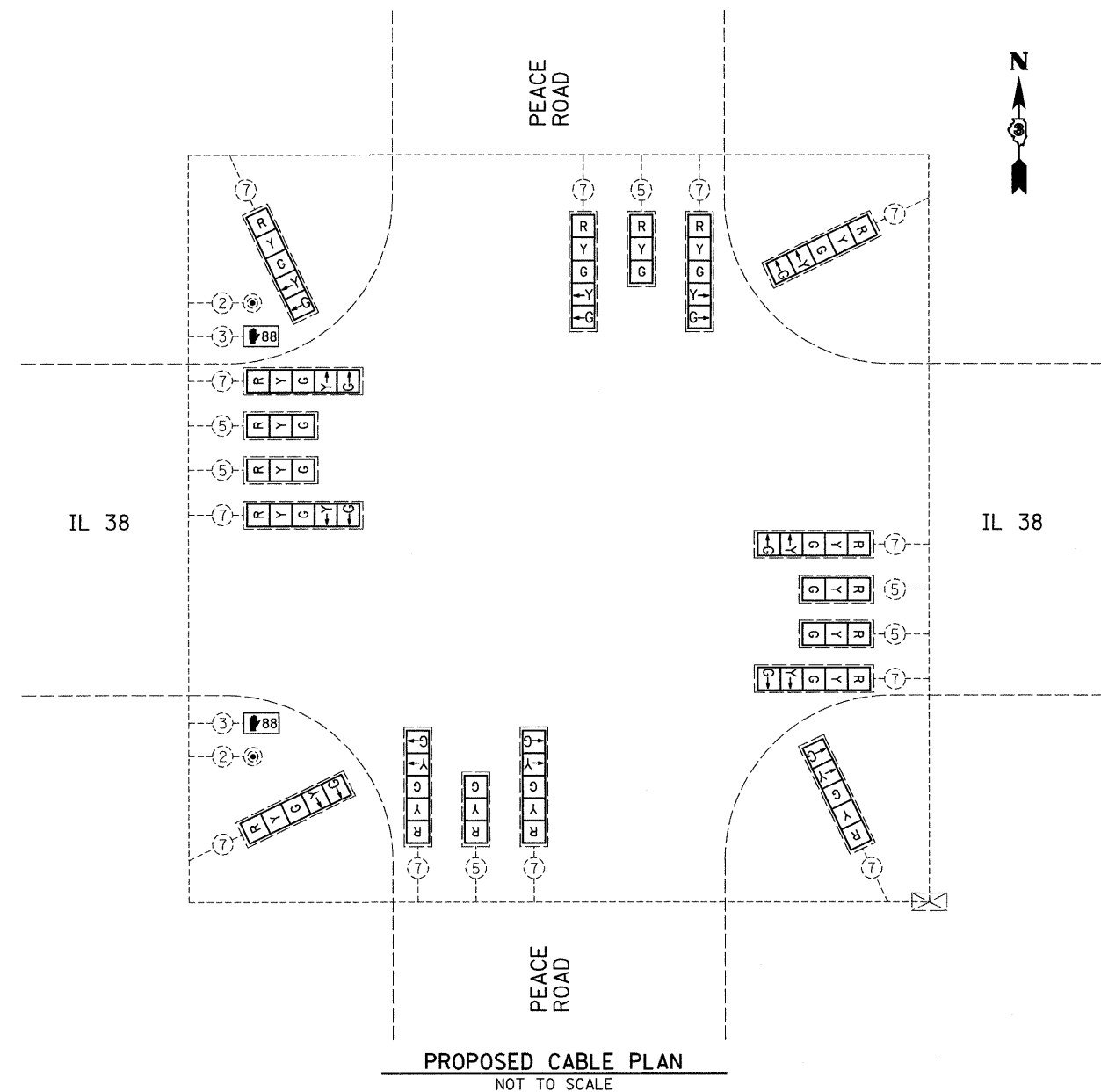


ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 38	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
PEACE ROAD	RED	8	7	60
	YELLOW	8	12	5
	GREEN	8	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SIX (6) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWELVE (12) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 2 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	18
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	18
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	18
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	12
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	12

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

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL38-PEACE.DGN

USER NAME = ---

DESIGNED - --

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
DEKALB - IL 38 & PEACE ROAD

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

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

--- D-3 LED RETROFIT 2012-1 DEKALB 41 17

CONTRACT NO. 66B54

ILLINOIS FED. AID PROJECT

PLOT DATE = 10/11

DATE - 10/11

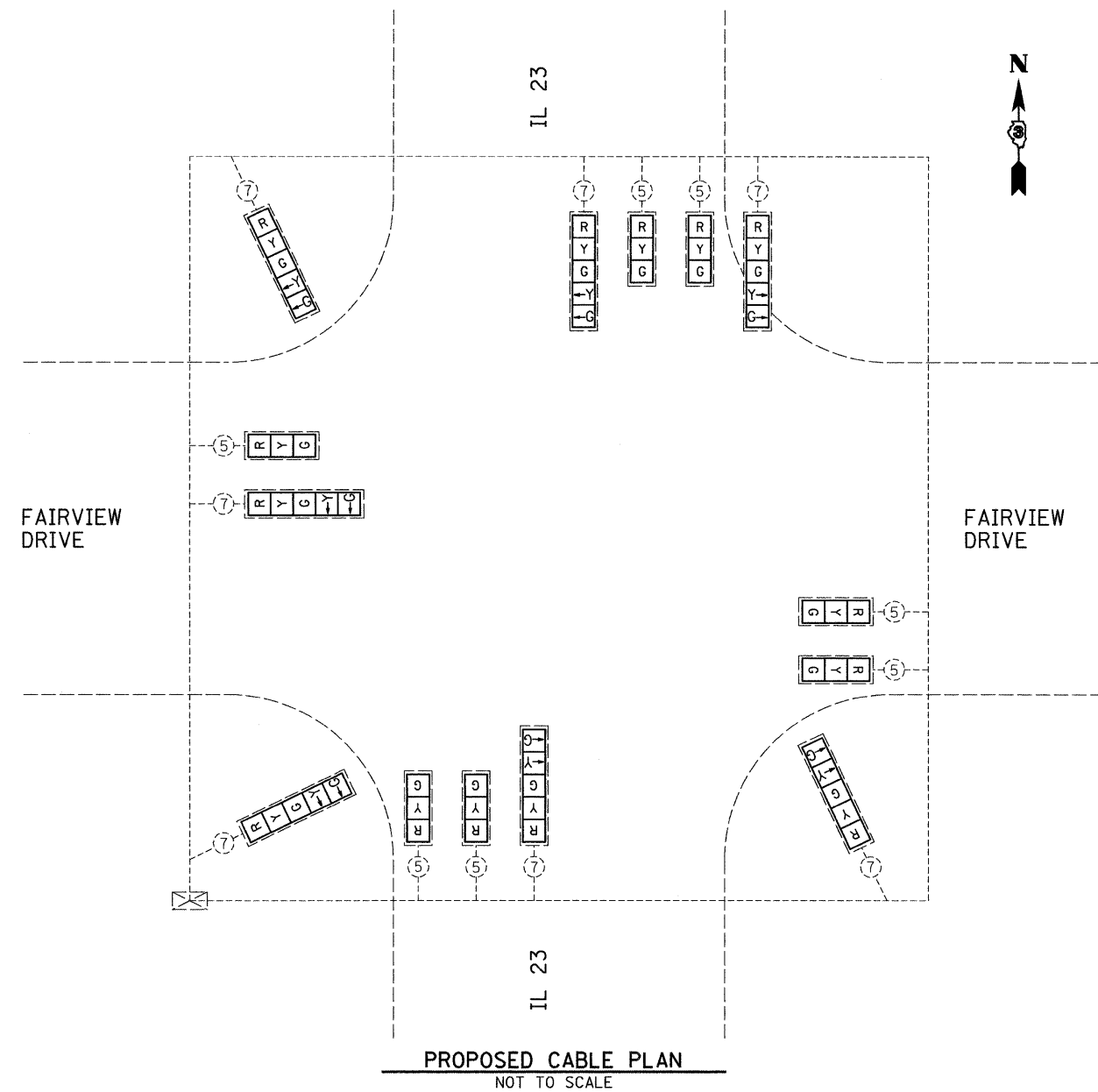
REVISED - ---

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	9	7	35
	YELLOW	9	12	5
	GREEN	9	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	1	6	5
	GREEN ARROW RT.	1	6	10
FAIRVIEW DRIVE	RED	5	7	60
	YELLOW	5	12	5
	GREEN	5	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE SEVEN (7) 5-SECTION HEADS WITH LED SIGNAL HEADS.



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

DEKALB IL 23 & FAIRVIEW DR.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	14
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	14
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	14
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	7
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	7

**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
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL23-FAIRVIEW.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  
 DEKALB - IL 23 & FAIRVIEW DRIVE

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	18
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	

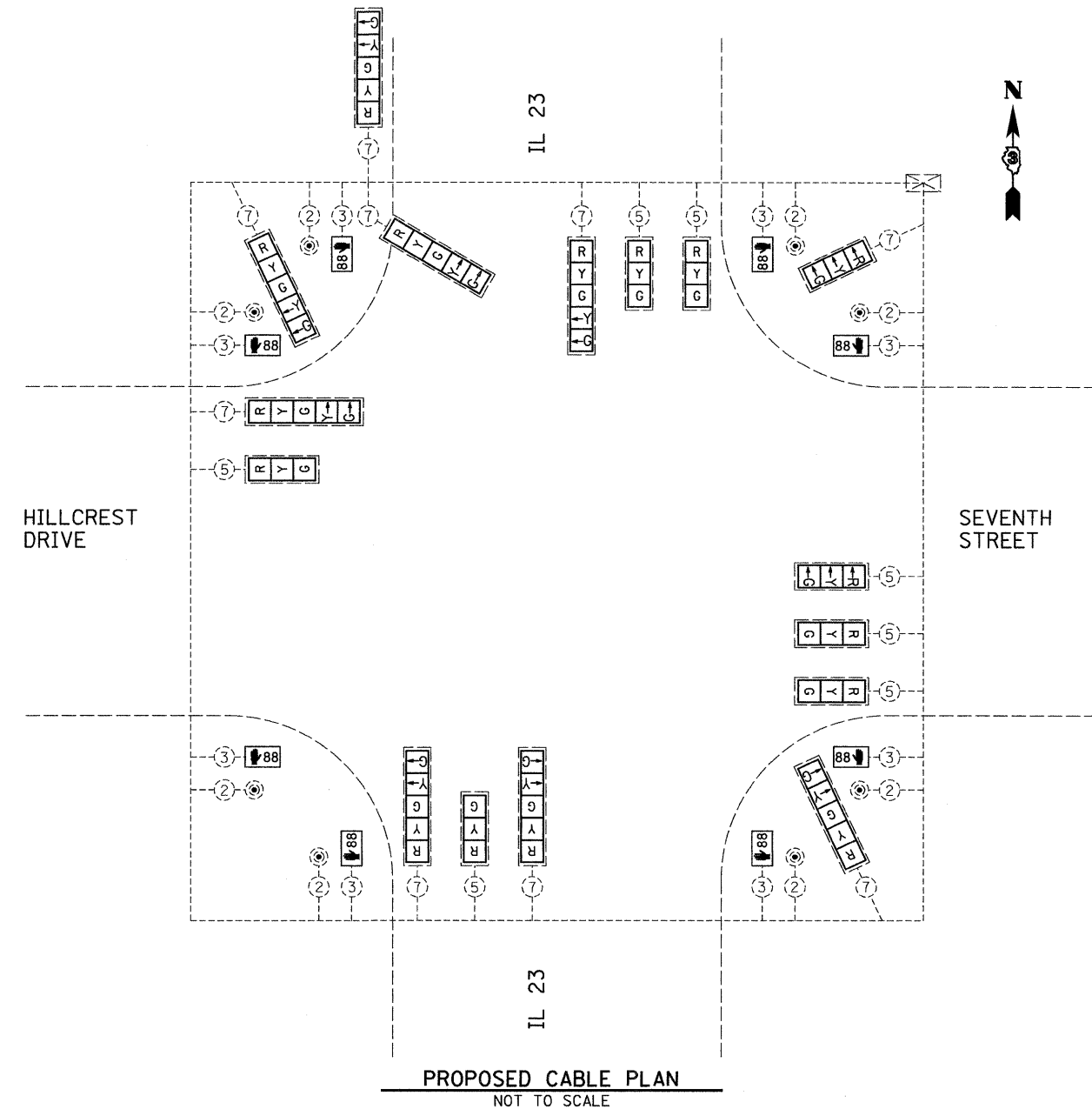
ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	9	7	35
	YELLOW	9	12	5
	GREEN	9	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
		4	11/10	50/50
		4	8	50
HILLCREST DRIVE/ SEVENTH STREET	RED	5	7	60
	YELLOW	5	12	5
	GREEN	5	9.5	35
	RED ARROW LT.	2	6	85
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
		4	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:  
CITY OF DEKALB

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE EIGHT (8) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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
	LEFT TURN RED
	RIGHT TURN YELLOW
	RIGHT TURN GREEN
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

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

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
DEKALB IL 23 SYCAMORE RD. & HILLCREST DR./SEVENTH ST.			
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	14
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	14
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	14
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	10
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	10
Z0033018	LED SIGNAL FACE RETROFIT, RED ARROW	EACH	2

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL23-HILLCREST.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
DEKALB - IL 23 & HILLCREST DRIVE /SEVENTH STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	19
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	

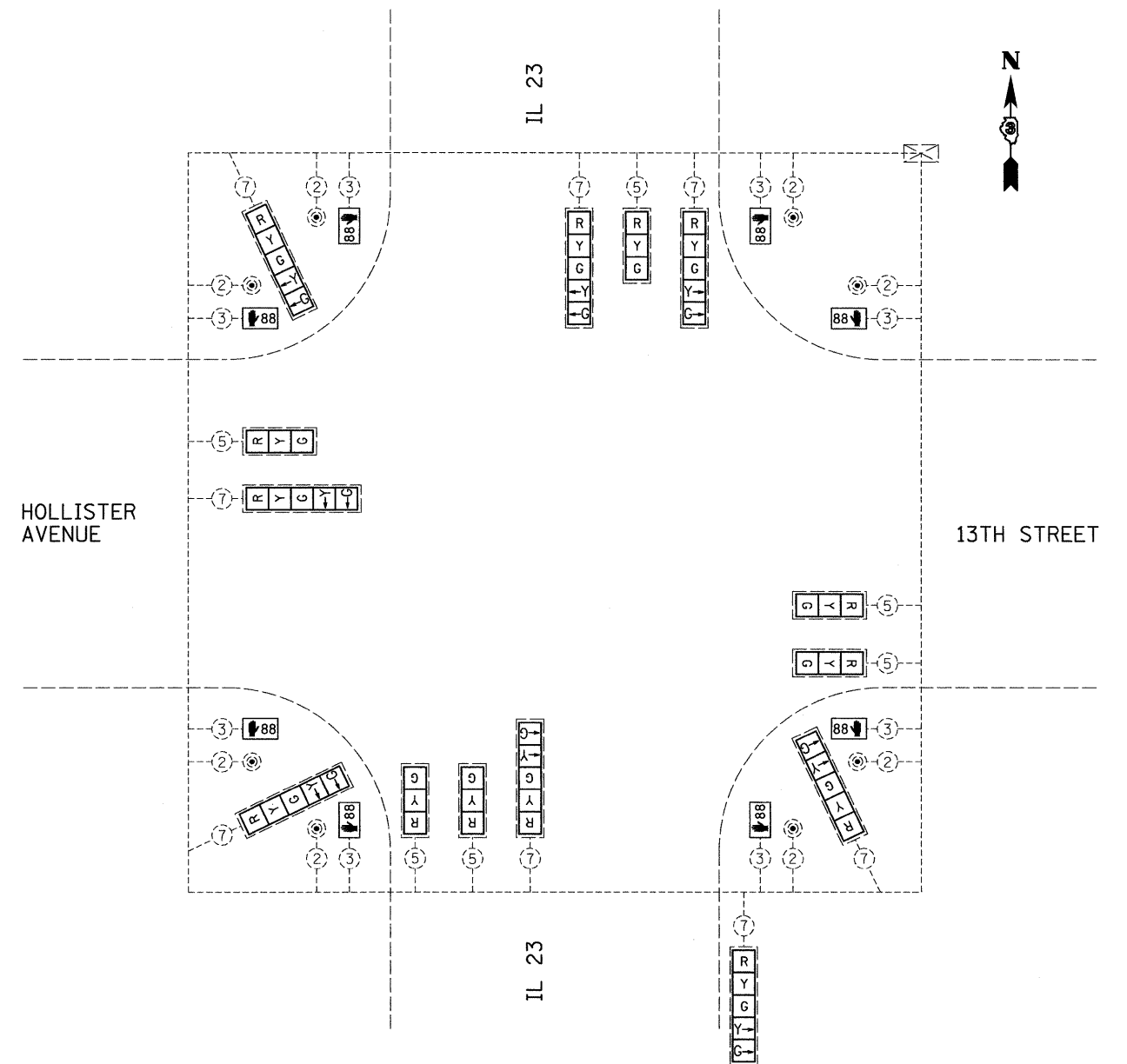
SCALE: 1" = 20' SHEET NO. -- OF -- SHEETS STA. ----- TO STA. -----

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	9	7	35
	YELLOW	9	12	5
	GREEN	9	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
		4	11/10	50/50
		4	8	50
HOLLISTER AVENUE/ 13TH STREET	RED	5	7	60
	YELLOW	5	12	5
	GREEN	5	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	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:  
CITY OF DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SIX (6) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE EIGHT (8) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

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

DEKALB IL 23 & HOLLISTER AVE/13TH ST

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	14
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	14
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	14
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	8
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	8

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL23-HOLLISTER.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  
DEKALB - IL 23 & HOLLISTER AVENUE /13TH STREET

F.A. RTE. --

SECTION D-3

COUNTY DEKALB

TOTAL SHEETS 41

SHEET NO. 20

SCALE: 1" = 20'

SHEET NO. -- OF -- SHEETS

STA. ----- TO STA. -----

CONTRACT NO. 66B54

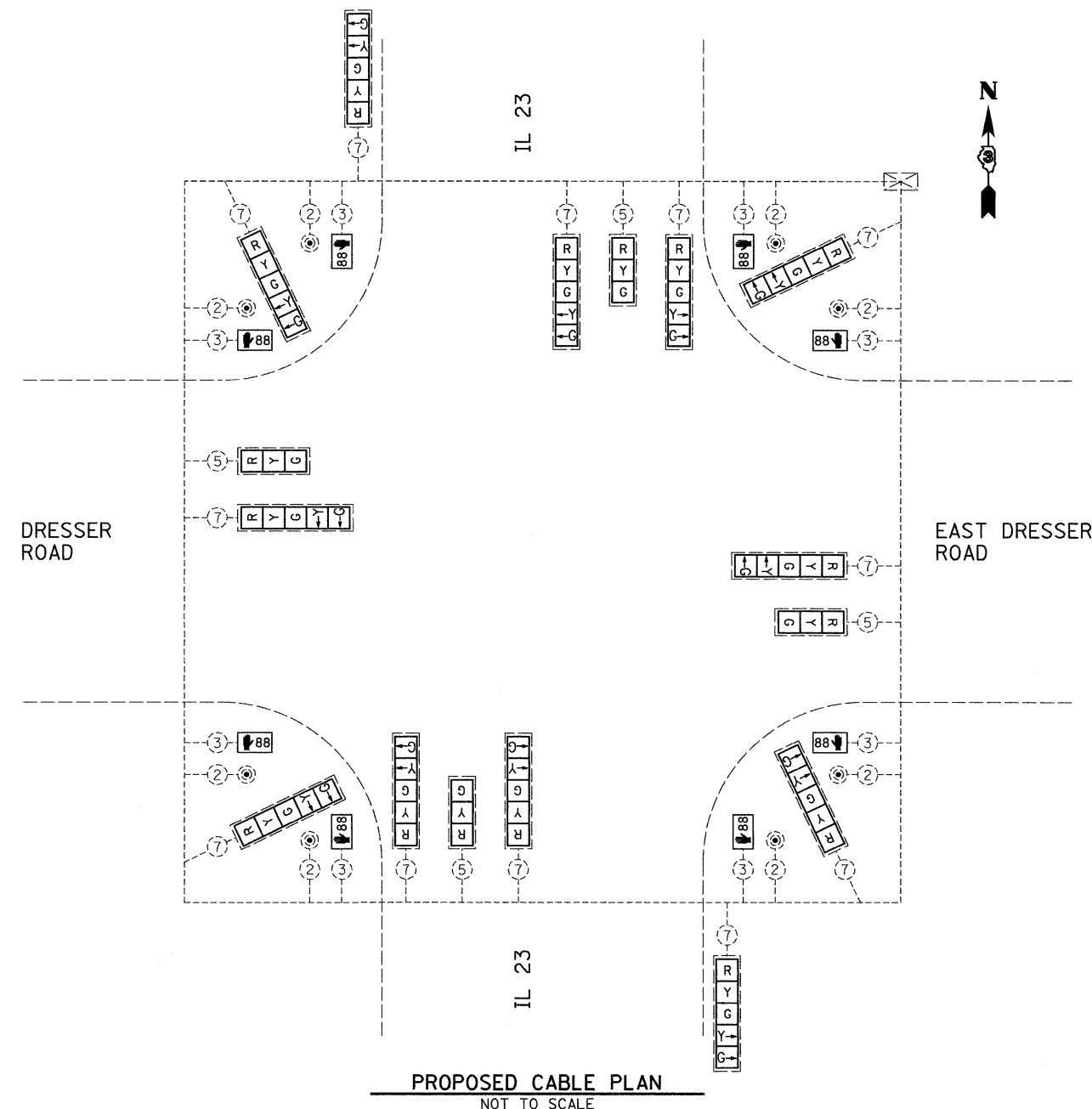
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
		4	11/10	50/50
		4	8	50
DRESSER ROAD	RED	6	7	60
	YELLOW	6	12	5
	GREEN	6	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE FOUR (4) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWELVE (12) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



**PROPOSED CABLE PLAN**  
NOT TO SCALE

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

DEKALB IL 23 & DRESSER RD.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	16
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	16
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	16
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	12
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	12

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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL23-DRESSER.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  
DEKALB - IL 23 & DRESSER ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	D-3 LED RETROFIT 2012-1	DEKALB	41	21

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

CONTRACT NO. 66B54 ILLINOIS FED. AID PROJECT

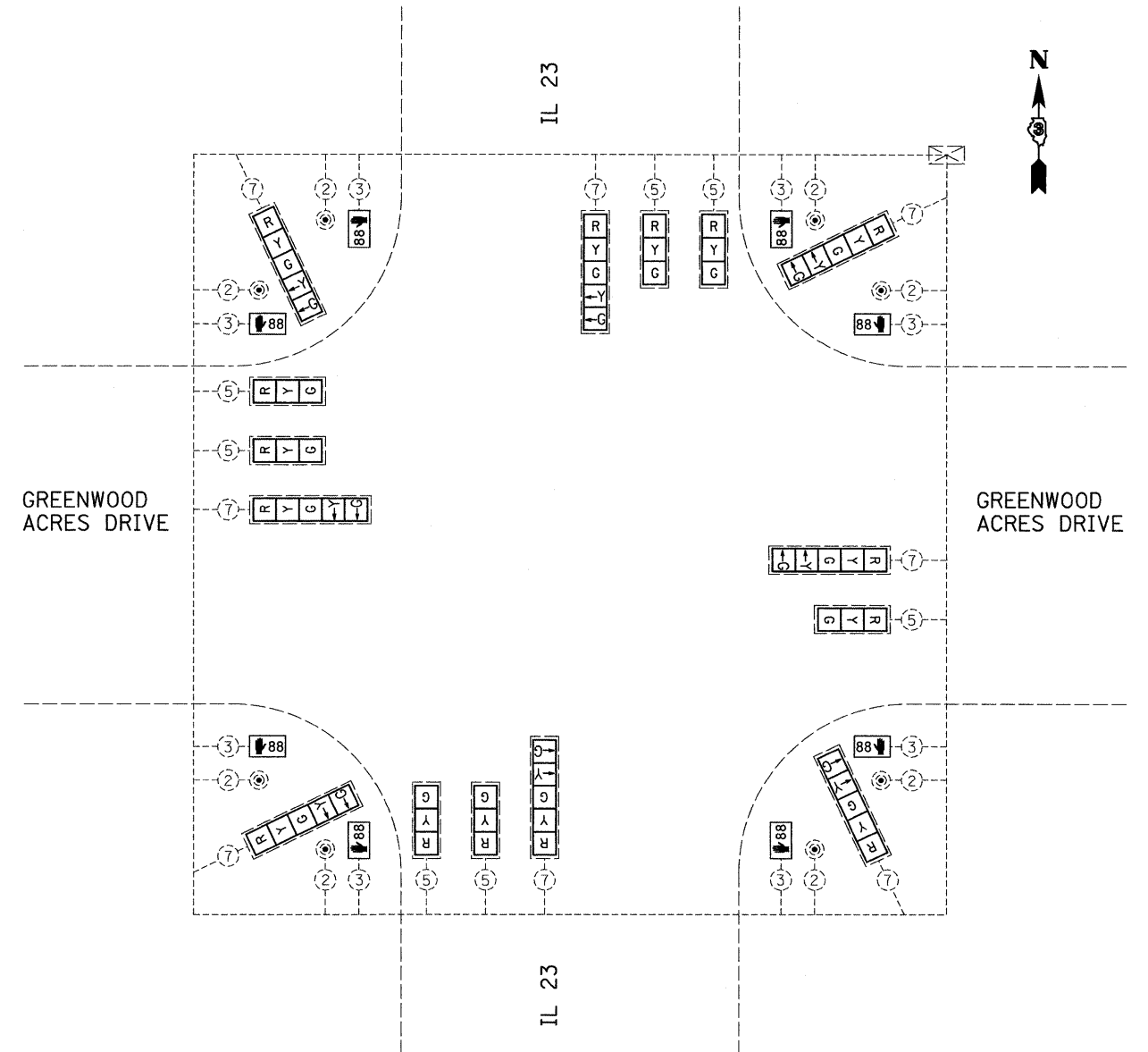
ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
		4	8	50
GREENWOOD ACRES DRIVE	RED	7	7	60
	YELLOW	7	12	5
	GREEN	7	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	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:  
 CITY OF DEKALB

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE EIGHT (8) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



PROPOSED CABLE PLAN  
 NOT TO SCALE

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

DEKALB IL 23 & GREENWOOD ACRES DR.		UNIT	TOTAL QUANTITY
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	15
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	15
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	15
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	8
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	8

TRAFFIC SIGNALS LEGEND

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

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL23-GREENWOOD-ACRES.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  
 DEKALB - IL 23 & GREENWOOD ACRES DRIVE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	D-3 LED RETROFIT 2012-1	DEKALB	41	22

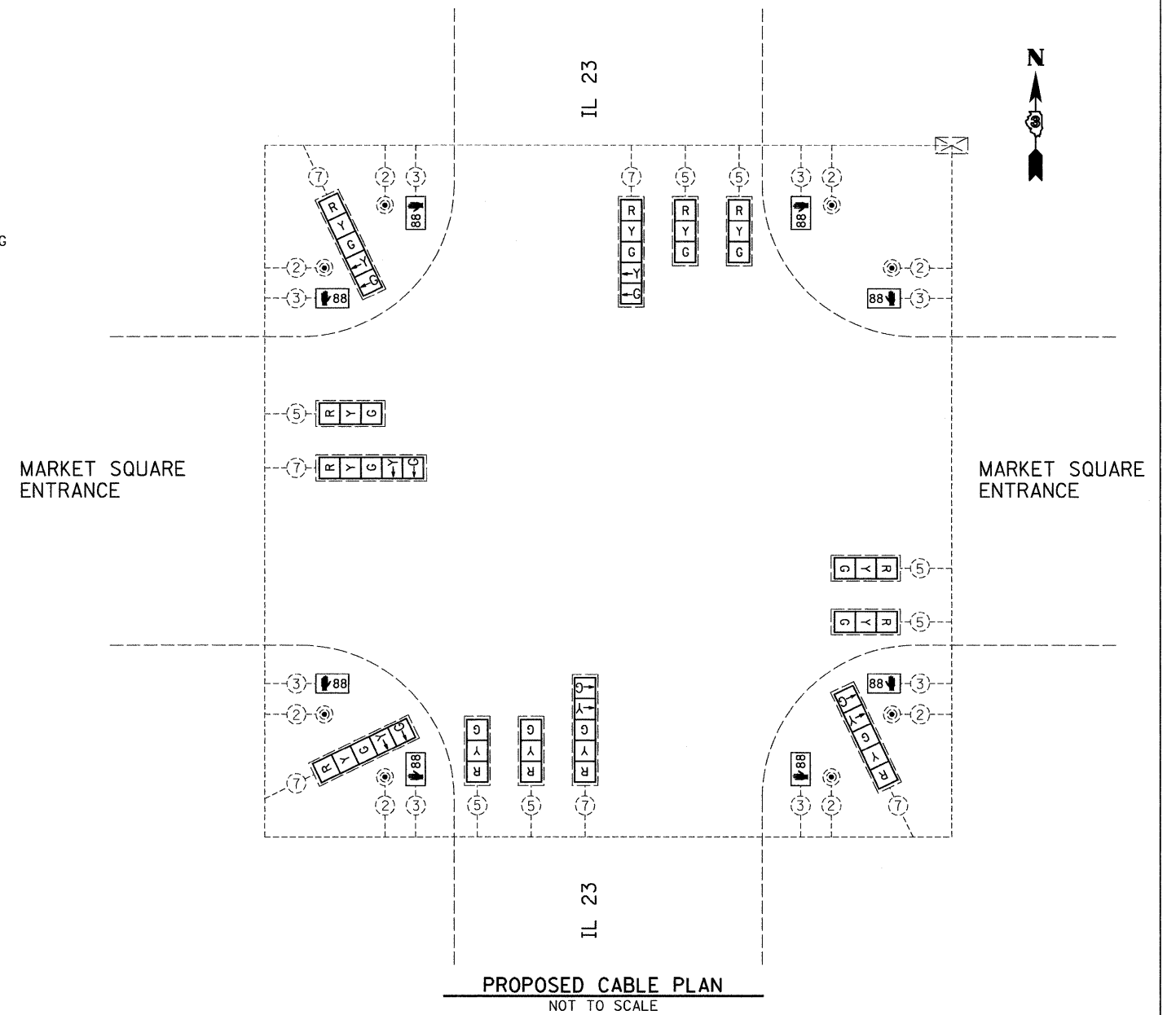
CONTRACT NO. 66B54  
 ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
		4	8	50
MARKET SQUARE ENTRANCE	RED	5	7	60
	YELLOW	5	12	5
	GREEN	5	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	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:  
 CITY OF DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE SIX (6) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 23 & MARKET SQUARE ENTRANCE			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	13
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	13
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	13
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	6
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	6

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

FILE NAME = D366B54-SHT-TS-CABLE-DEKALB-IL23-MARKET-SQ.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  
 DEKALB - IL 23 & MARKET SQUARE ENTRANCE

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

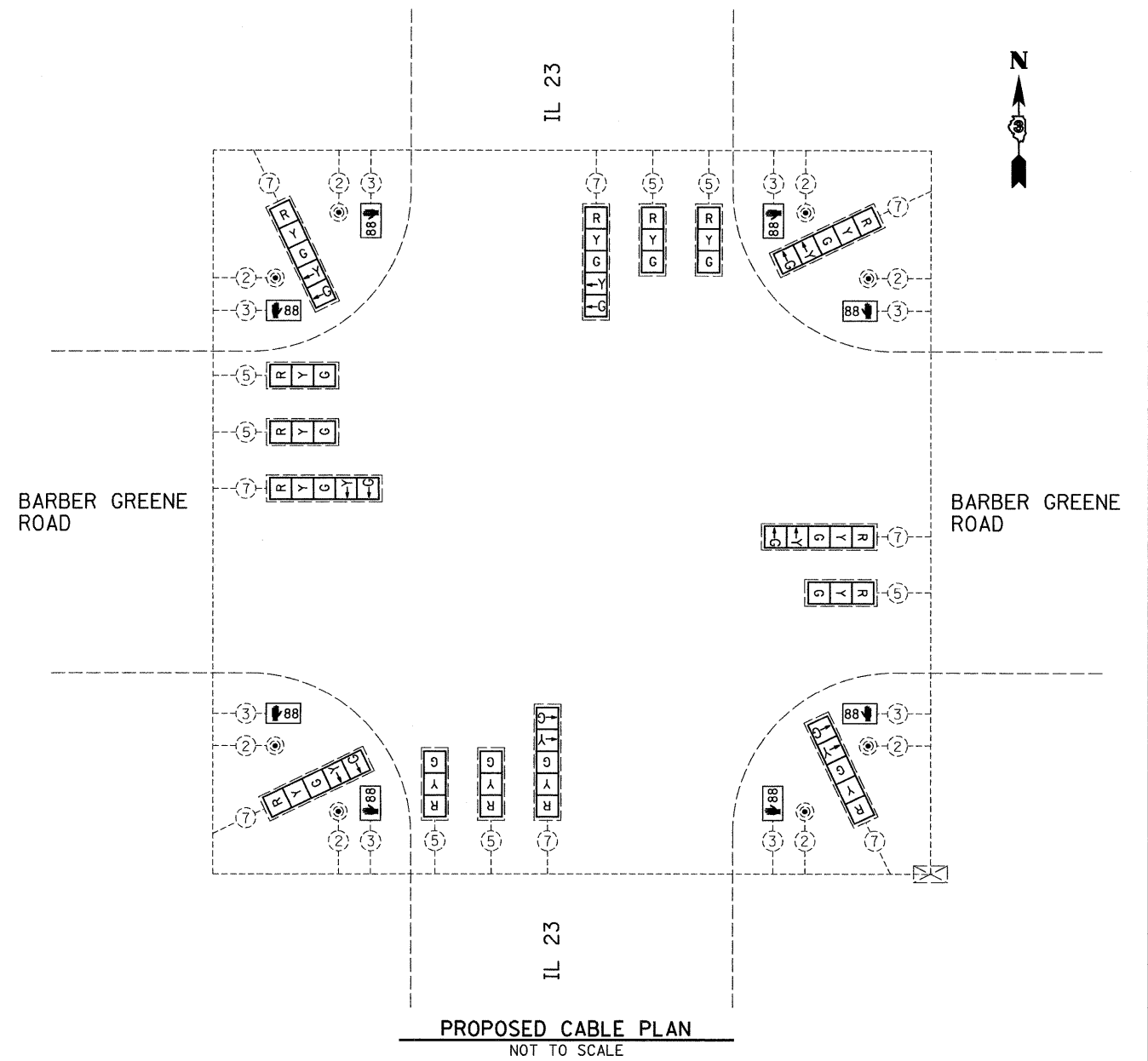
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	23
CONTRACT NO. 66B54				
ILLINOIS FED. AID PROJECT				

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
		4	8	50
BARBER GREENE ROAD	RED	7	7	60
	YELLOW	7	12	5
	GREEN	7	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	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:  
 CITY OF DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE EIGHT (8) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

DEKALB IL 23 & BARBER GREENE RD.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	15
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	15
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	15
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	8
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	8

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

FILE NAME = 0366854-SHT-TS-CABLE-DEKALB-IL23-BARBER-GREENE.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  
 DEKALB - IL 23 & BARBER GREENE ROAD

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

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	24

CONTRACT NO. 66B54  
 ILLINOIS FED. AID PROJECT



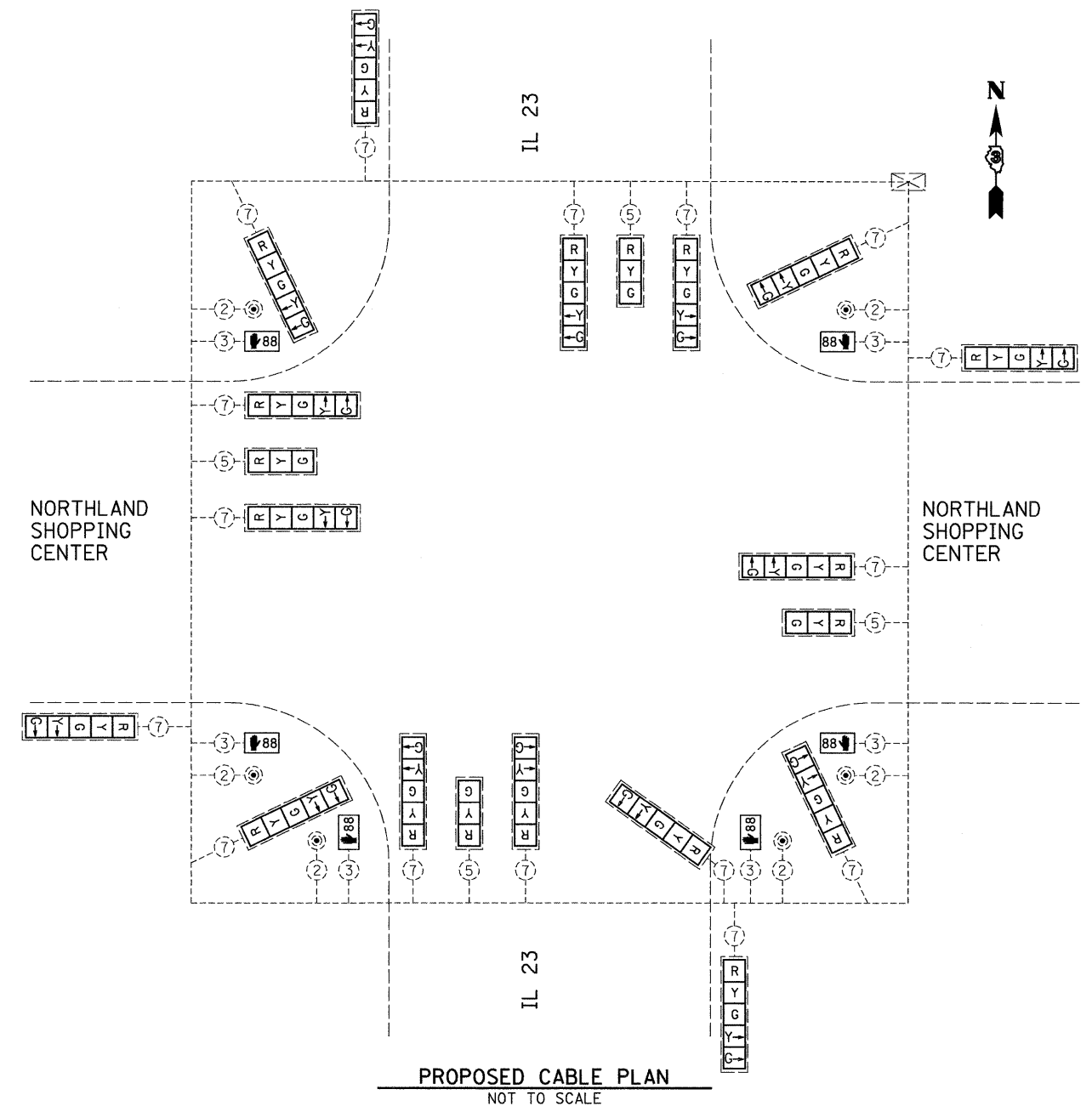
ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
		2	11/10	50/50
		2	8	50
NORTHLAND SHOPPING CENTER (TARGET ENTRANCE)	RED	10	7	60
	YELLOW	10	12	5
	GREEN	10	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
		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 DEKALB

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE FOUR (4) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE SIXTEEN (16) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE SIX (6) 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:  
 6 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

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

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	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	20
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	20
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	20
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	16
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	16

FILE NAME = 0368B54-SHT-TS-CABLE-DEKALB-IL23-NORTHLAND.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
 DEKALB - IL 23 & NORTHLAND SHOPPING CENTER (TARGET ENTRANCE)

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

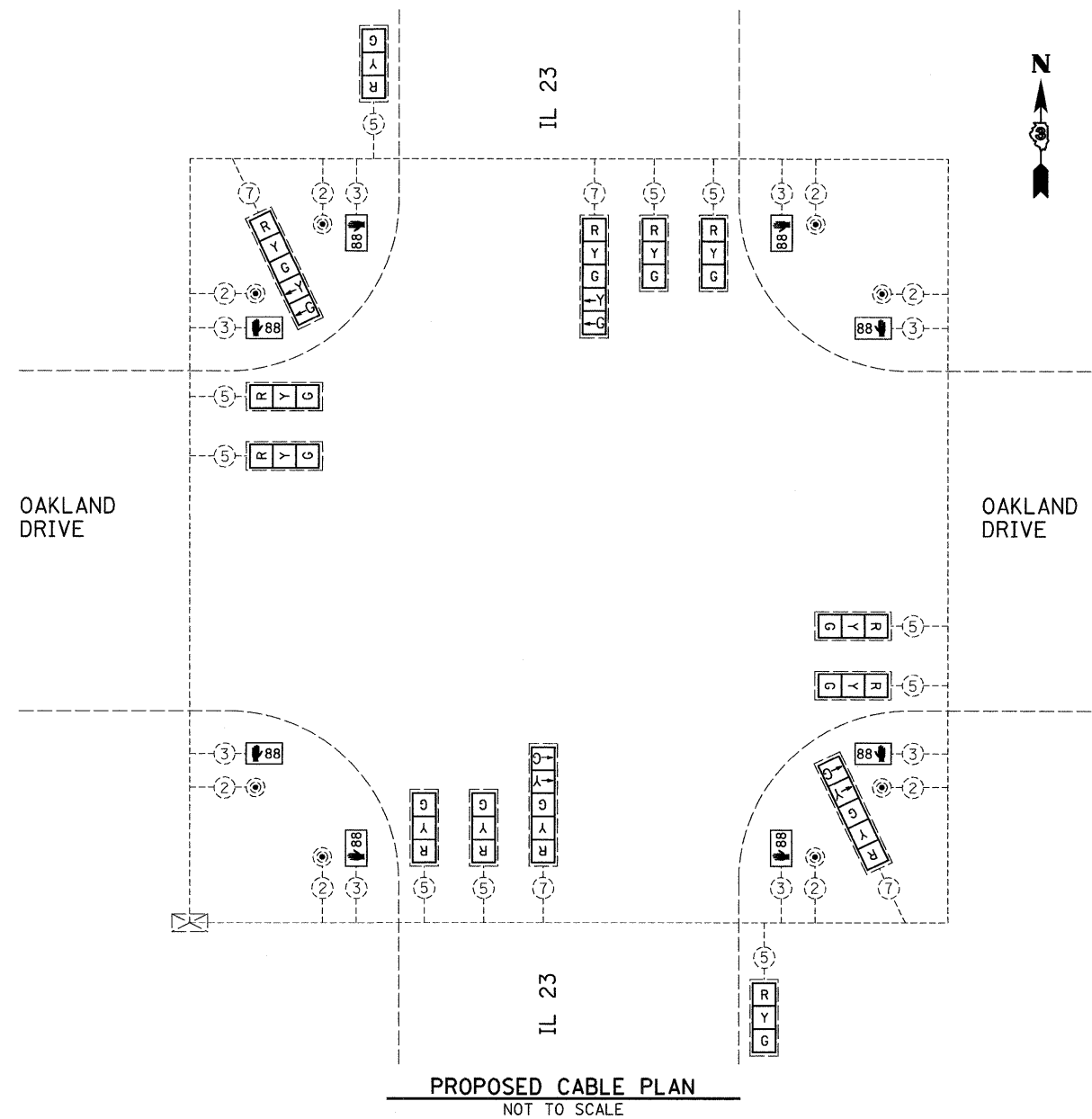
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	25
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
OAKLAND DRIVE	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 DEKALB

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE TEN (10) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE FOUR (4) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



**PROPOSED CABLE PLAN**  
 NOT TO SCALE

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

DEKALB IL 23 & OAKLAND DR.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	14
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	14
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	14
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	4
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	4

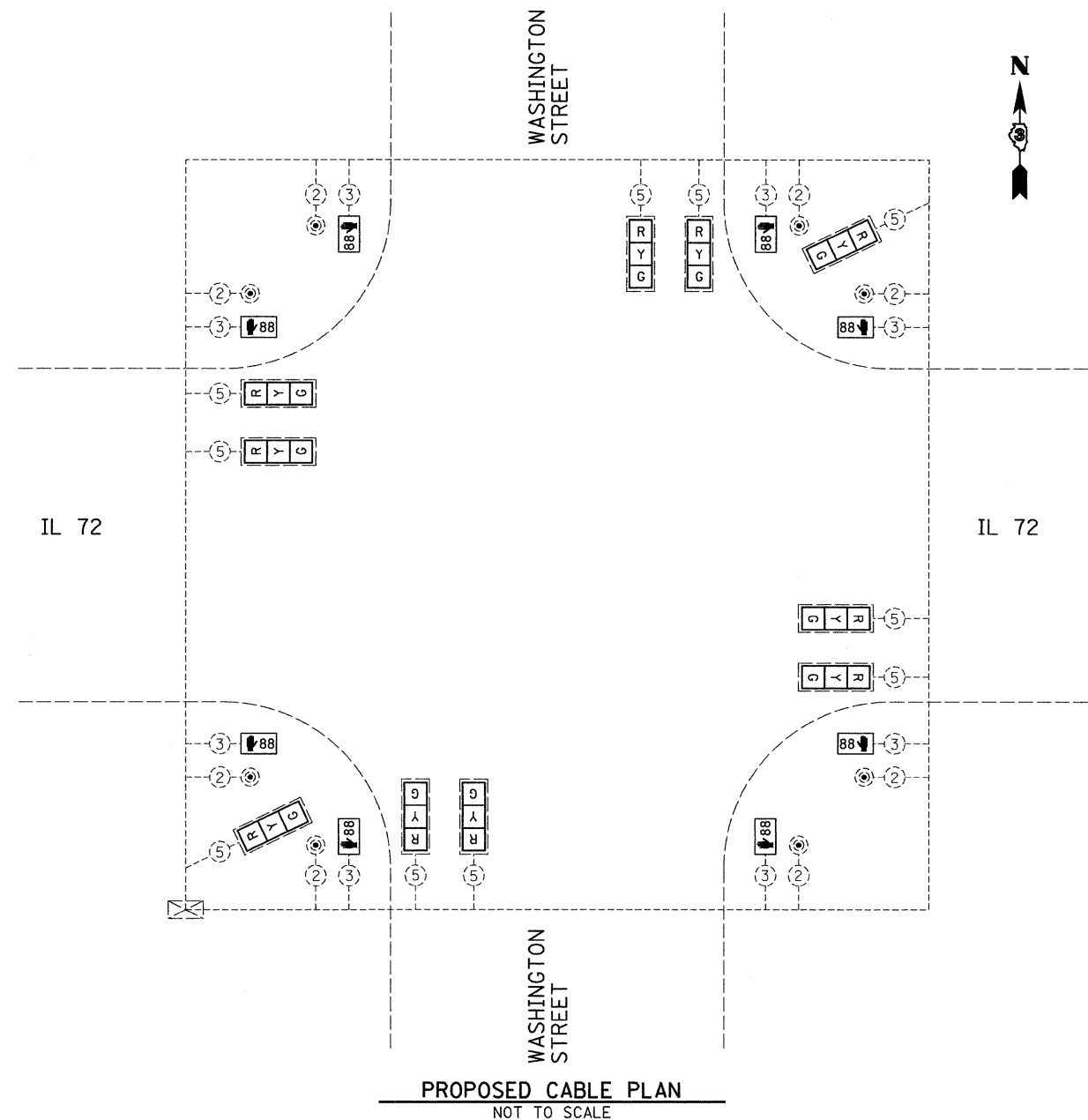
	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	LEFT TURN YELLOW
	LEFT TURN GREEN
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 72	RED	6	7	35
	YELLOW	6	12	5
	GREEN	6	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 GENOA

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE TEN (10) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



**PROPOSED CABLE PLAN**  
 NOT TO SCALE

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

GENOA IL 72 & WASHINGTON ST.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	10
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	10
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	10

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 0366854-SHT-TS-CABLE-GENOA-IL72-WASHINGTON.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
 GENOA - IL 72 & WASHINGTON STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	27

CONTRACT NO. 66B54

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

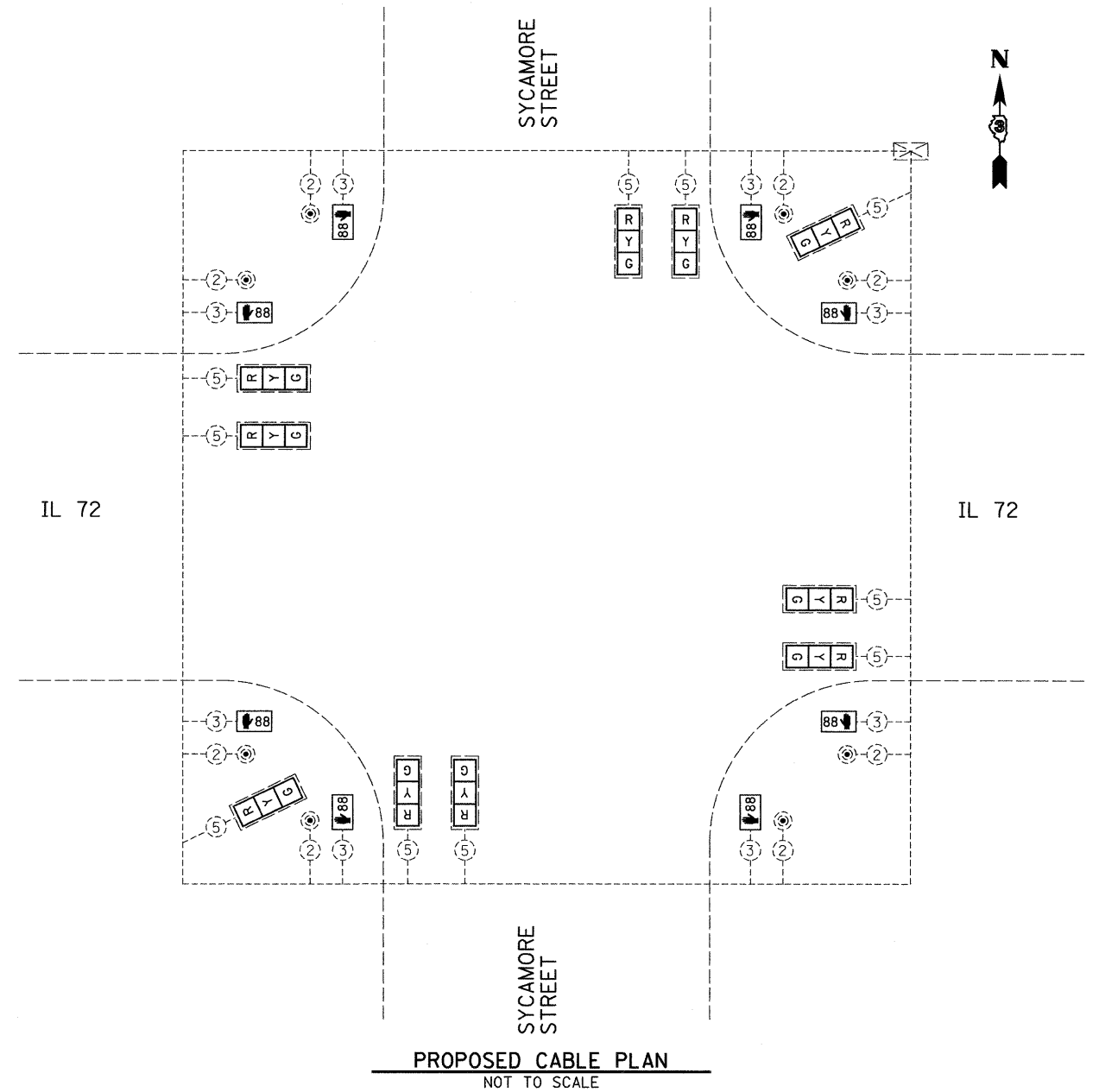
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 72	RED	6	7	35
	YELLOW	6	12	5
	GREEN	6	9.5	60
		4	11/10	50/50
		4	8	50
SYCAMORE 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 GENOA

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE TEN (10) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



**PROPOSED CABLE PLAN**  
NOT TO SCALE

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

GENOA IL 72 & SYCAMORE ST.		UNIT	TOTAL QUANTITY
ITEM NO.	DESCRIPTION		
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	10
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	10
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	10

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 0366854-SHT-TS-CABLE-GENOA-IL72-SYCAMORE.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

PLOT SCALE = 1" = 20'

PLOT DATE = 10/11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
GENOA - IL 72 & SYCAMORE STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	28

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

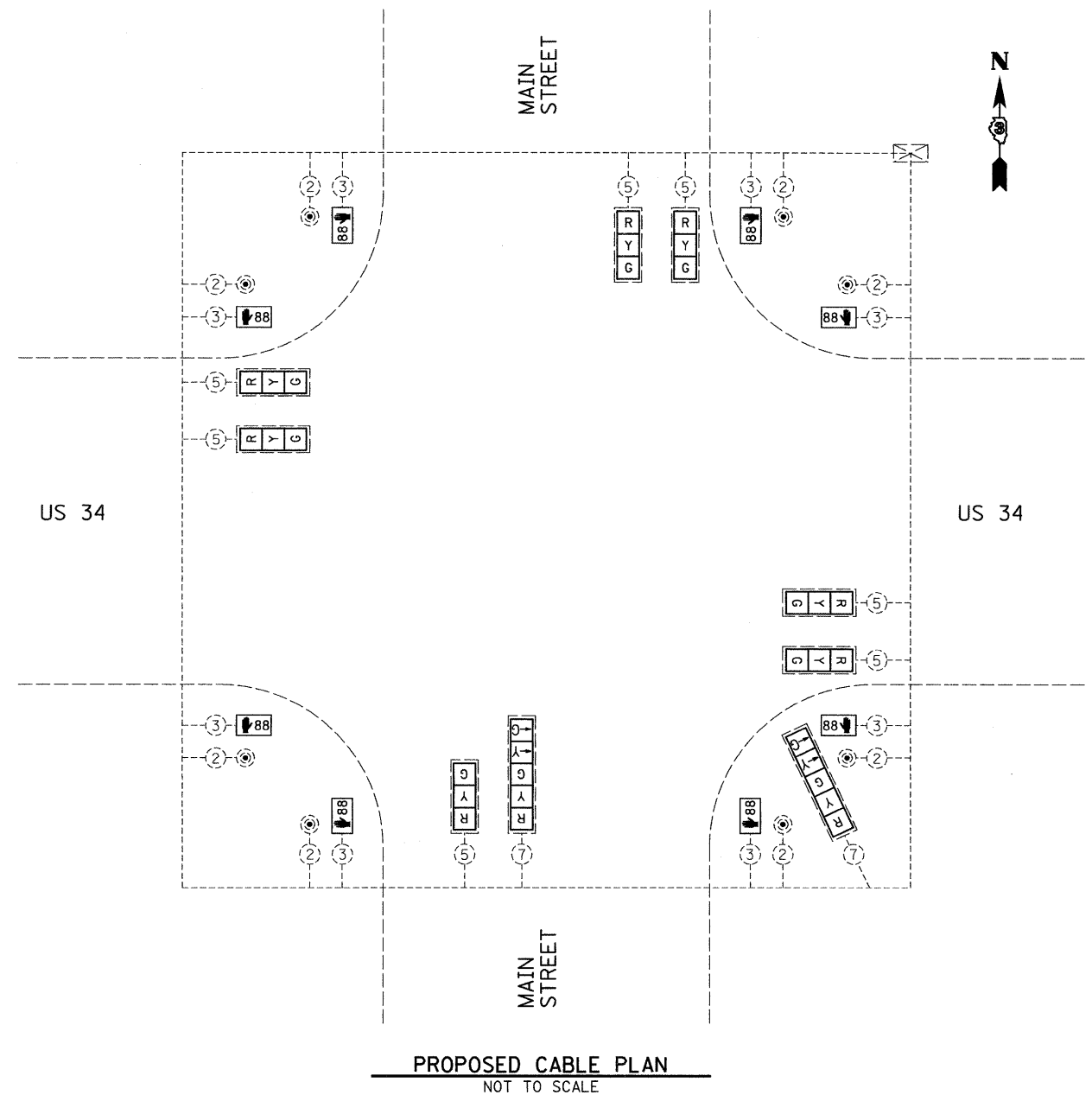
CONTRACT NO. 66B54 ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 34	RED	4	7	35
	YELLOW	4	12	5
	GREEN	4	9.5	60
		4	11/10	50/50
		4	8	50
MAIN STREET	RED	5	7	60
	YELLOW	5	12	5
	GREEN	5	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		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 SANDWICH

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWO (2) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



**PROPOSED CABLE PLAN**  
 NOT TO SCALE

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

SANDWICH US 34 & MAIN ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	9
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	9
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	9
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	2
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	2

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 0366B54-SHT-TS-CABLE-SANDWICH-US34-MAIN.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  
 SANDWICH - US 34 & MAIN STREET**

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

-- D-3 LED RETROFIT 2012-1

DEKALB

41 29

CONTRACT NO. 66B54

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

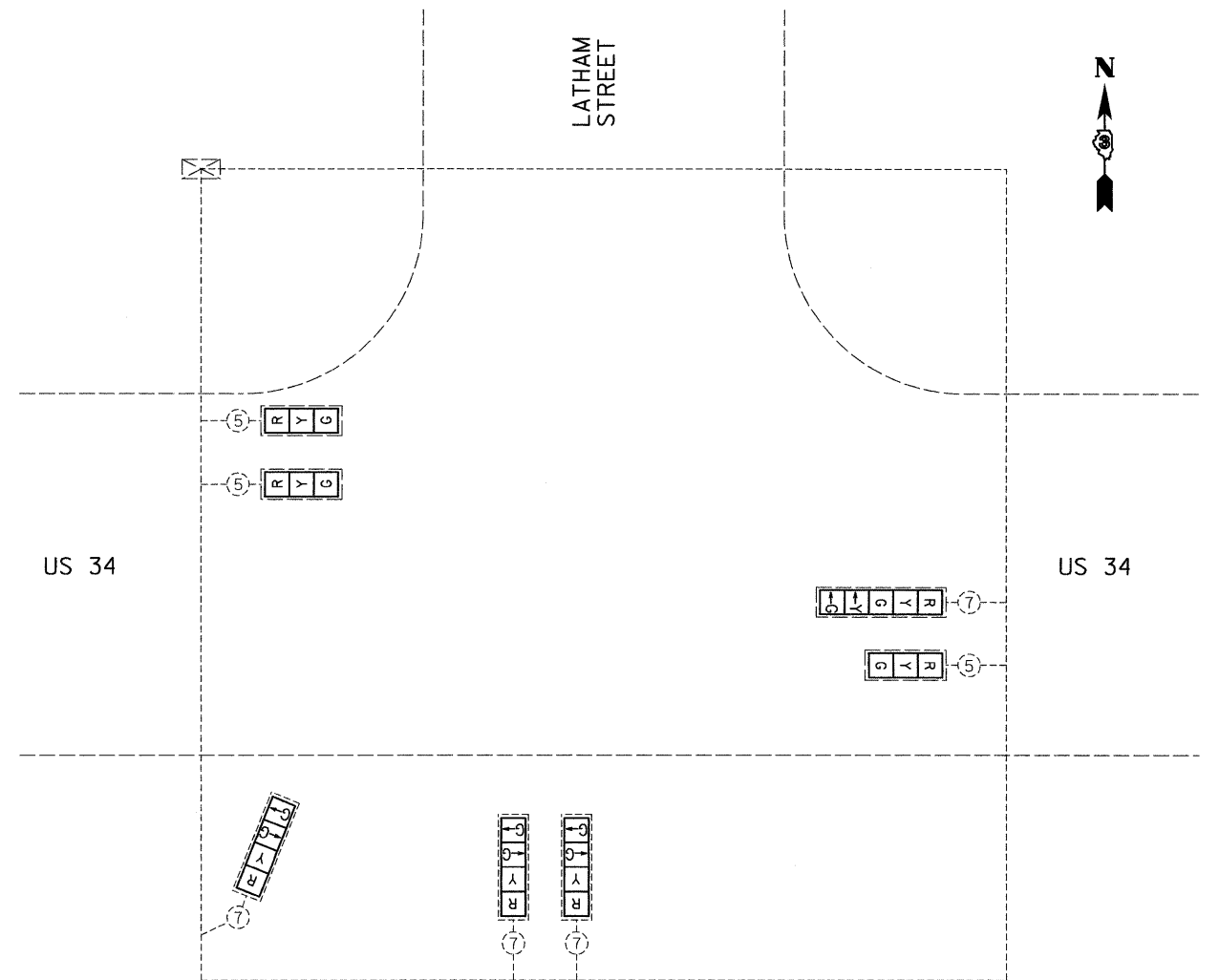
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 34	RED	4	7	35
	YELLOW	4	12	5
	GREEN	4	9.5	60
	YELLOW ARROW LT.	1	6	5
	GREEN ARROW LT.	1	6	10
LATHAM STREET	RED	3	7	60
	YELLOW	3	12	5
	GREEN ARROW LT.	3	6	35
	GREEN ARROW RT.	3	6	35
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 SANDWICH

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE THREE (3) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE ONE (1) 5-SECTION HEAD WITH LED SIGNAL HEAD.
- RETROFIT THE THREE (3) 4-SECTION HEADS WITH LED SIGNAL HEADS.



**PROPOSED CABLE PLAN**  
NOT TO SCALE

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

SANDWICH US 34 & LATHAM ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	7
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	4
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	7
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	1
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	7

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 0366B54-SHT-TS-CABLE-SANDWICH-US34-LATHAM.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
SANDWICH - US 34 & LATHAM STREET

SCALE: 1" = 20'

SHEET NO. -- OF -- SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

-- D-3 LED RETROFIT 2012-1

DEKALB

41 30

CONTRACT NO. 66B54

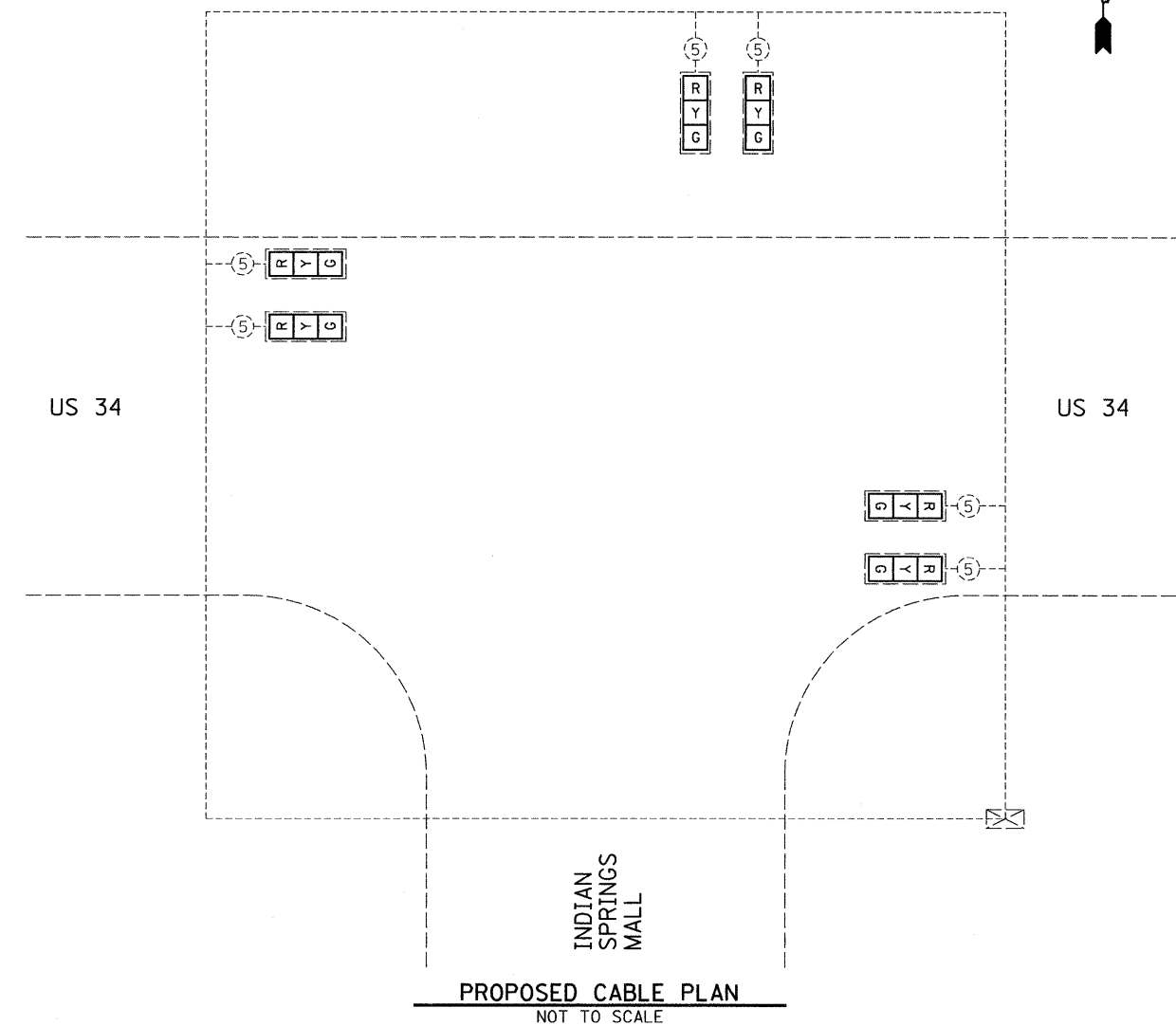
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 34	RED	4	7	35
	YELLOW	4	12	5
	GREEN	4	9.5	60
INDIAN SPRINGS MALL	RED	2	7	60
	YELLOW	2	12	5
	GREEN	2	9.5	35
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 SANDWICH

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SIX (6) 3-SECTION HEADS WITH LED SIGNAL HEADS.



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

SANDWICH US 34 & INDIAN SPRINGS MALL				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	6	
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	6	
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	6	

	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = D366B54-SHT-TS-CABLE-SANDWICH-US34-INDIAN-SPRINGS.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  
 SANDWICH - US 34 & INDIAN SPRINGS MALL

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

-- D-3 LED RETROFIT 2012-1

DEKALB

41

31

CONTRACT NO. 66B54

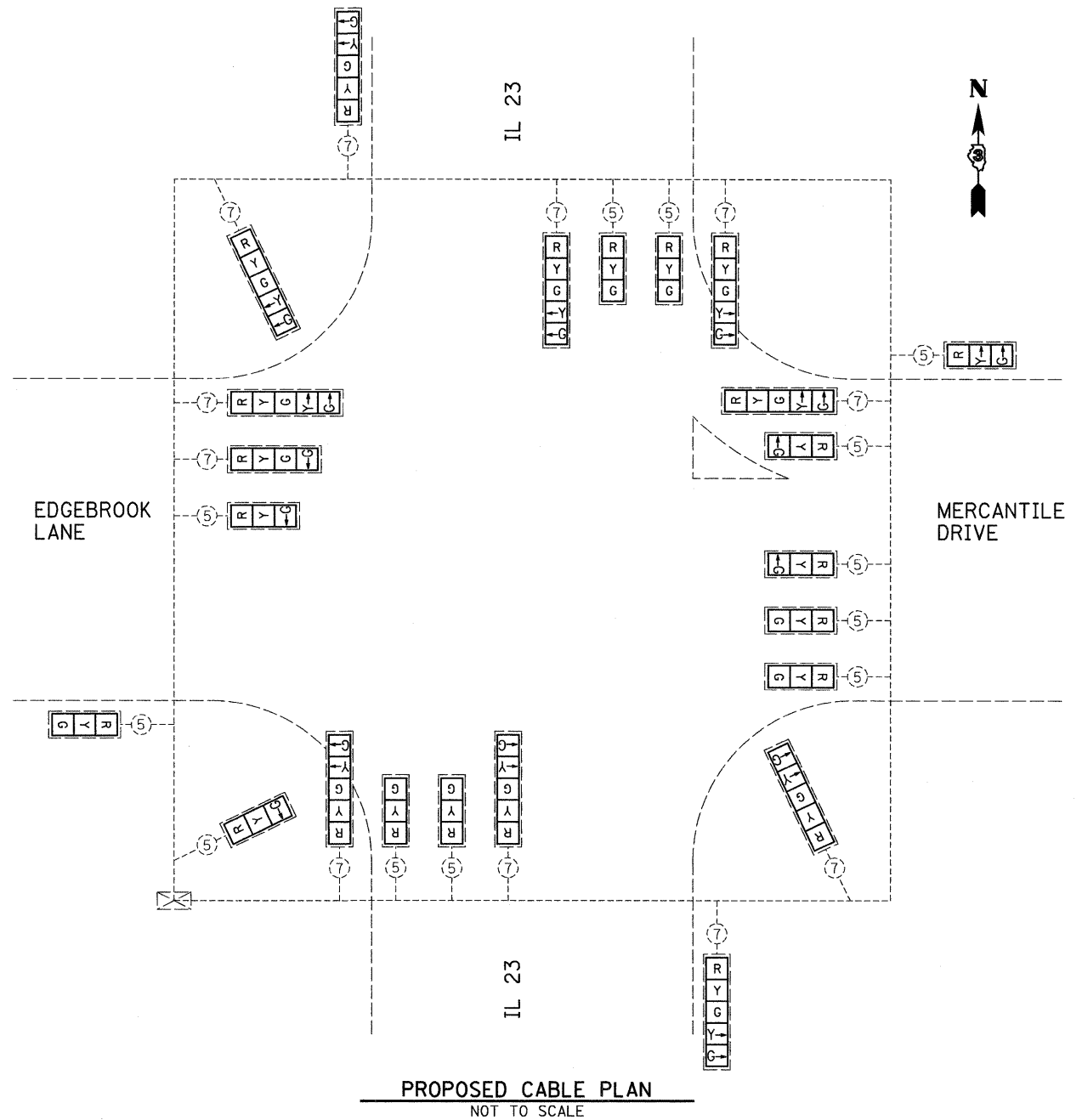
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	12	7	35
	YELLOW	12	12	5
	GREEN	12	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
EDGEBROOK LANE/ MERCANTILE DRIVE	RED	11	7	60
	YELLOW	10	12	5
	GREEN	6	9.5	35
	GREEN ARROW LT.	5	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:  
CITY OF SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE TWELVE (12) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TEN (10) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE ONE (1) 4-SECTION HEAD WITH A LED SIGNAL HEAD.



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

SYCAMORE IL 23 & EDGEBROOK LN./MERCANTILE DR.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	23
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	18
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	22
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	11
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	16

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

FILE NAME = 0366B54-SHT-TS-CABLE-SYCAMORE-IL23-EDGEBROOK.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
SYCAMORE - IL 23 & EDGEBROOK LANE /MERCANTILE DRIVE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	32
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	

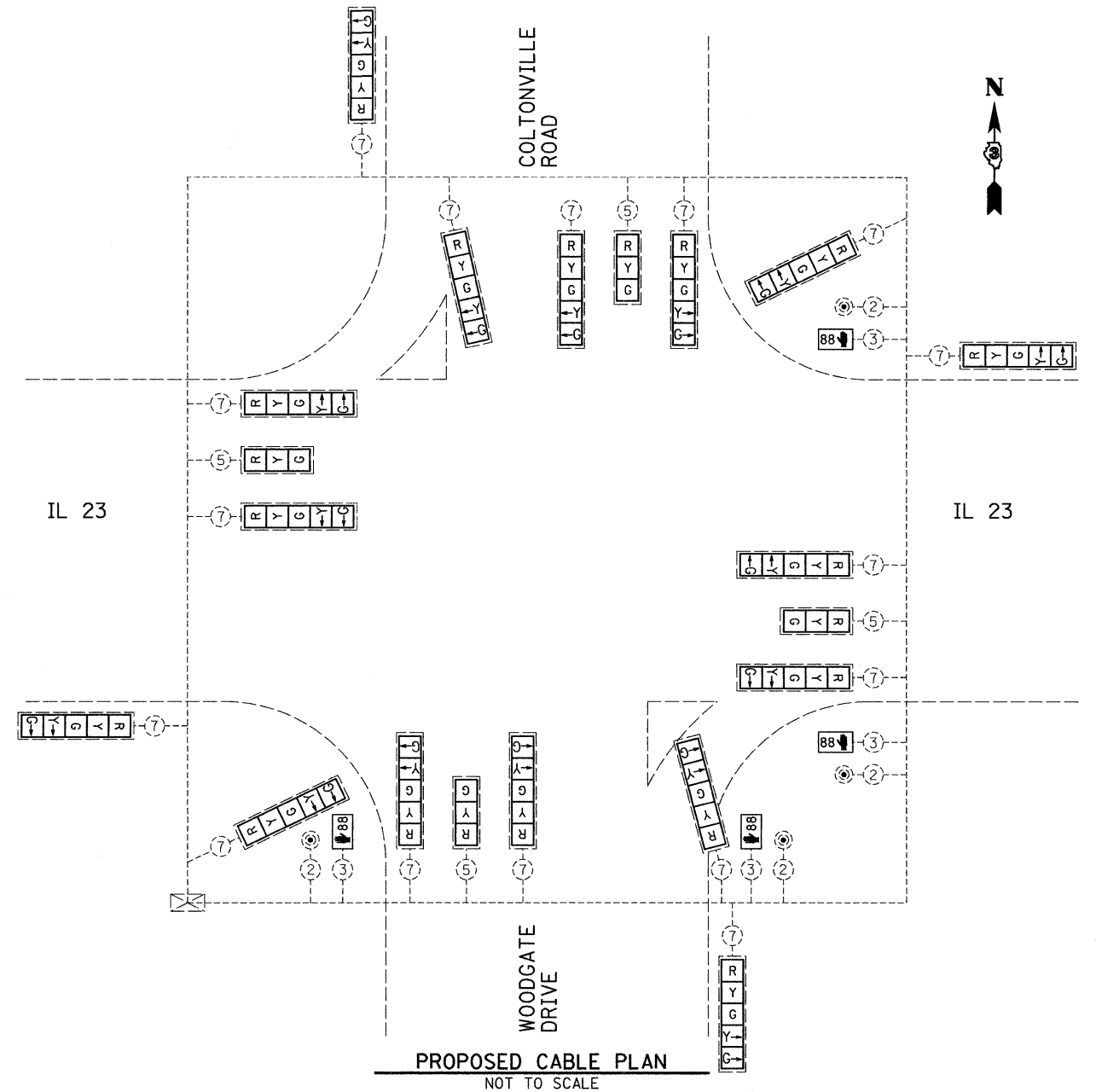


ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
		2	11/10	50/50
		2	8	50
COLTONVILLE ROAD/ WOODGATE DRIVE	RED	10	7	60
	YELLOW	10	12	5
	GREEN	10	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
		2	11/10	50/50
		2	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 SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE FOUR (4) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE SIXTEEN (16) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE FOUR (4) 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 - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

SYCAMORE IL 23 & COLTONVILLE RD./WOODGATE DR.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	20
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	20
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	20
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	16
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	16

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366854-SHT-TS-CABLE-SYCAMORE-IL23-COLTONVILLE.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  
SYCAMORE - IL 23 & COLTONVILLE ROAD /WOODGATE DRIVE

SCALE: 1" = 20'

SHEET NO. \_\_ OF \_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

D-3 LED RETROFIT 2012-1

DEKALB

41 33

CONTRACT NO. 66B54

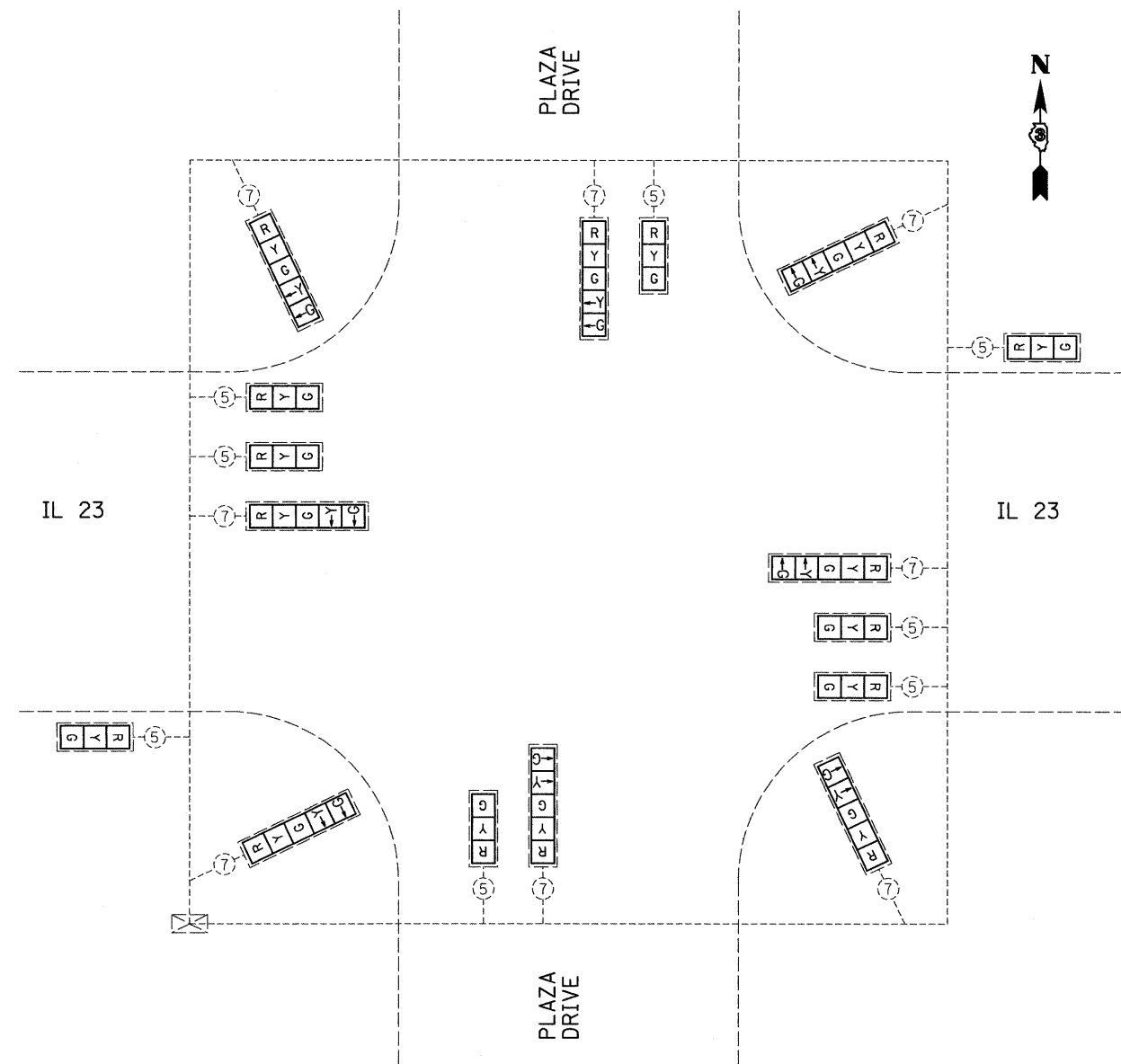
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	10	7	35
	YELLOW	10	12	5
	GREEN	10	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
PLAZA DRIVE (FARM & FLEET)	RED	6	7	60
	YELLOW	6	12	5
	GREEN	6	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	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 SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE EIGHT (8) 5-SECTION HEADS WITH LED SIGNAL HEADS.



**PROPOSED CABLE PLAN**  
NOT TO SCALE

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

SYCAMORE IL 23 & PLAZA DR./FARM & FLEET ENTRANCE

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	16
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	16
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	16
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	8
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	8

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 036854-SHT-TS-CABLE-SYCAMORE-IL23-PLAZA.DGN

USER NAME = ---

DESIGNED - ---

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE = 10/11

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
SYCAMORE - IL 23 & PLAZA DRIVE/FARM & FLEET ENTRANCE

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

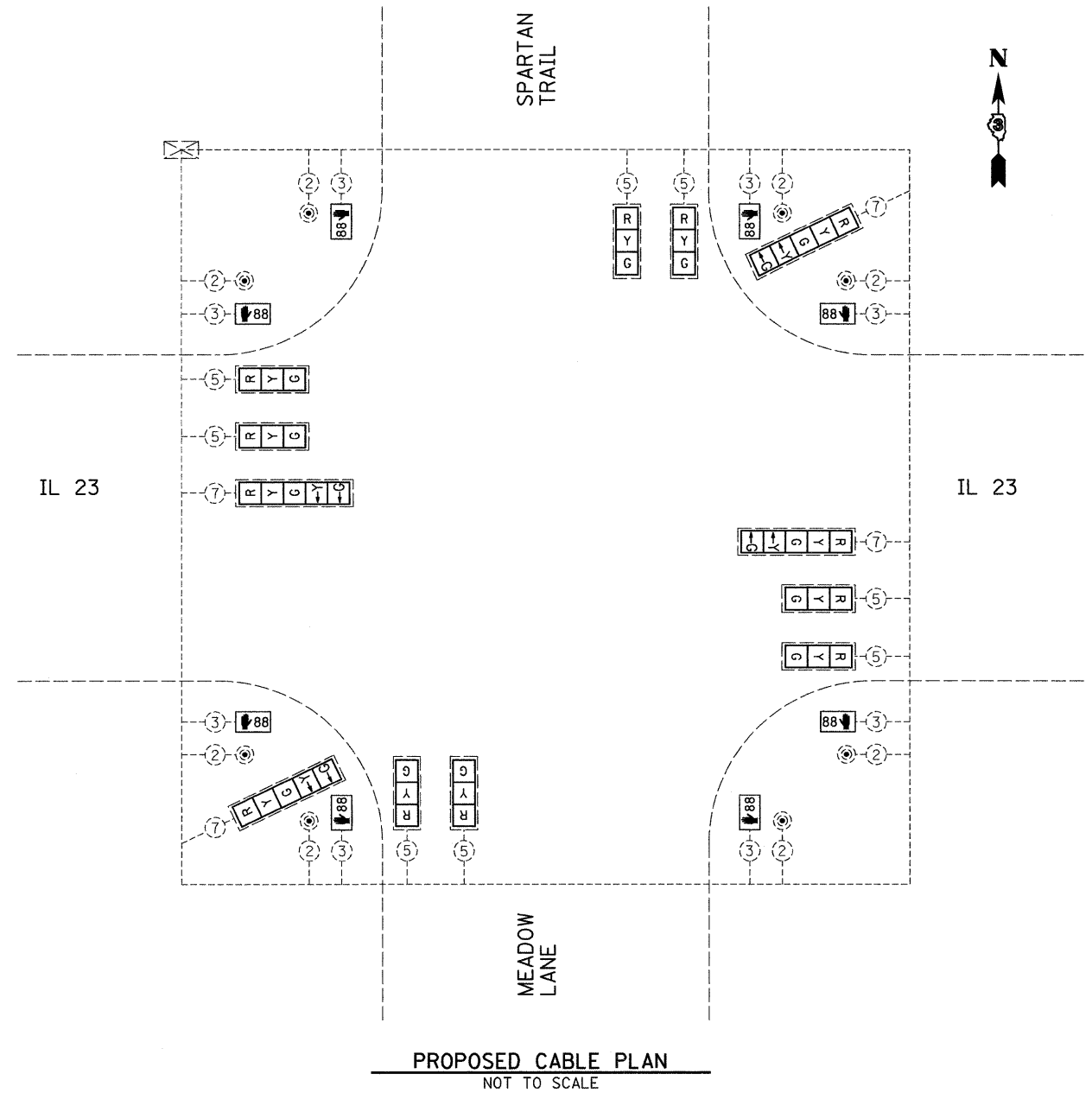
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	D-3 LED RETROFIT 2012-1	DEKALB	41	34
CONTRACT NO. 66B54			ILLINOIS FED. AID PROJECT	

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
		4	11/10	50/50
SPARTAN TRAIL/ MEADOW LANE	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 SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE EIGHT (8) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE FOUR (4) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



**PROPOSED CABLE PLAN**  
 NOT TO SCALE

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

SYCAMORE IL 23/SPARTAN TRAIL-MEADOWS

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	12
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	12
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	12
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	4
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	4

**TRAFFIC SIGNALS LEGEND**

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

FILE NAME = 0366854-SHT-TS-CABLE-SYCAMORE-IL23-SPARTAN.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

DRAWN - ARR/NV

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
 SYCAMORE - IL 23 & SPARTAN TRAIL/MEADOW LANE**

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

-- D-3 LED RETROFIT 2012-1

DEKALB

41 35

CONTRACT NO. 66B54

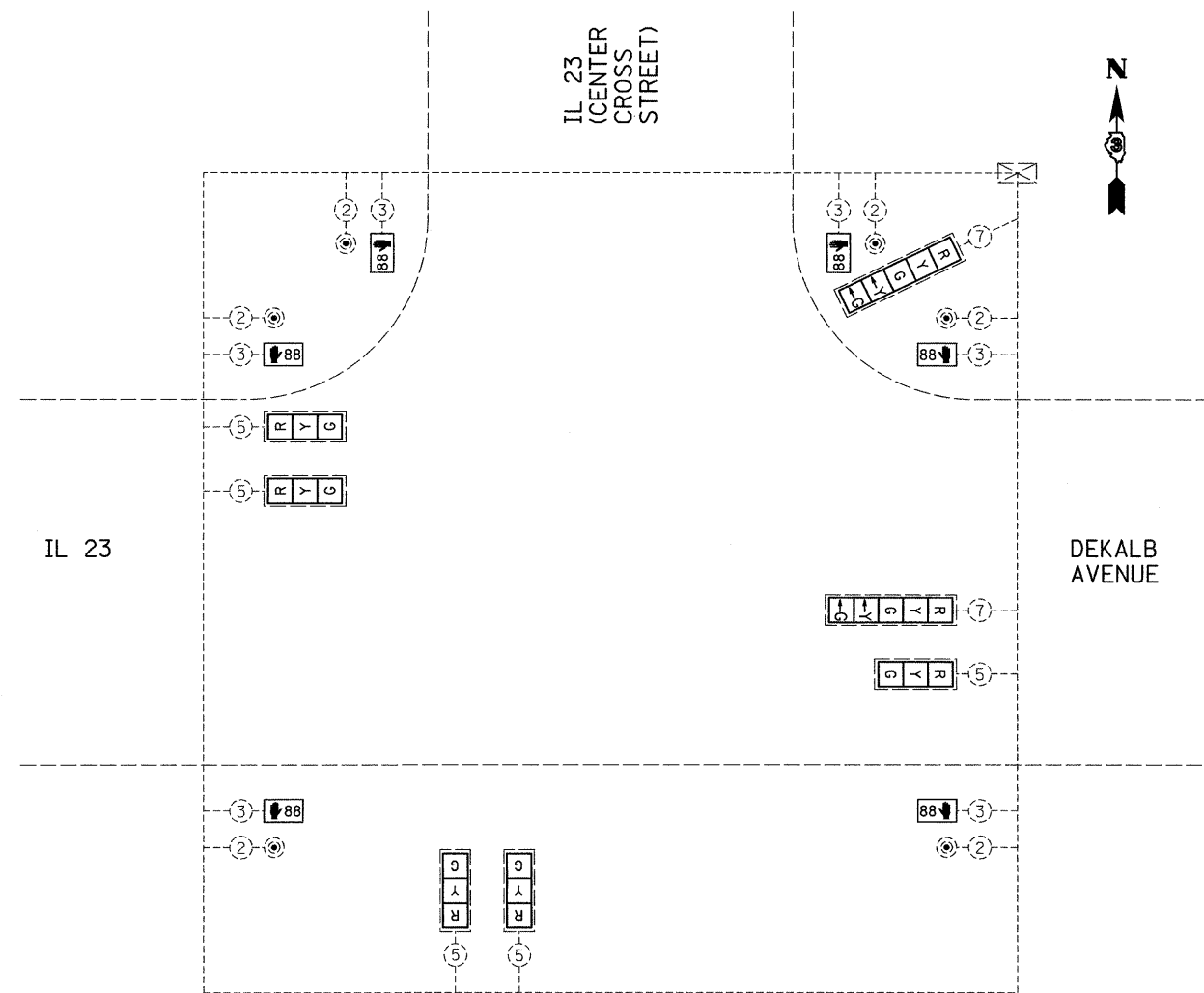
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23 (CENTER CROSS STREET)	RED	5	7	35
	YELLOW	5	12	5
	GREEN	5	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	11/10	50/50
		4	8	50
DEKALB AVENUE	RED	2	7	60
	YELLOW	2	12	5
	GREEN	2	9.5	35
		2	11/10	50/50
		2	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 SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE FIVE (5) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWO (2) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE SIX (6) 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:  
 6 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

SYCAMORE IL 23 & CENTER CROSS ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	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	7
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	7
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	7
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	2
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	2

**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
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366B54-SHT-TS-CABLE-SYCAMORE-IL23-CENTER-CROSS.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
SYCAMORE - IL 23 & CENTER CROSS STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	36
				CONTRACT NO. 66B54
ILLINOIS FED. AID PROJECT				

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

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

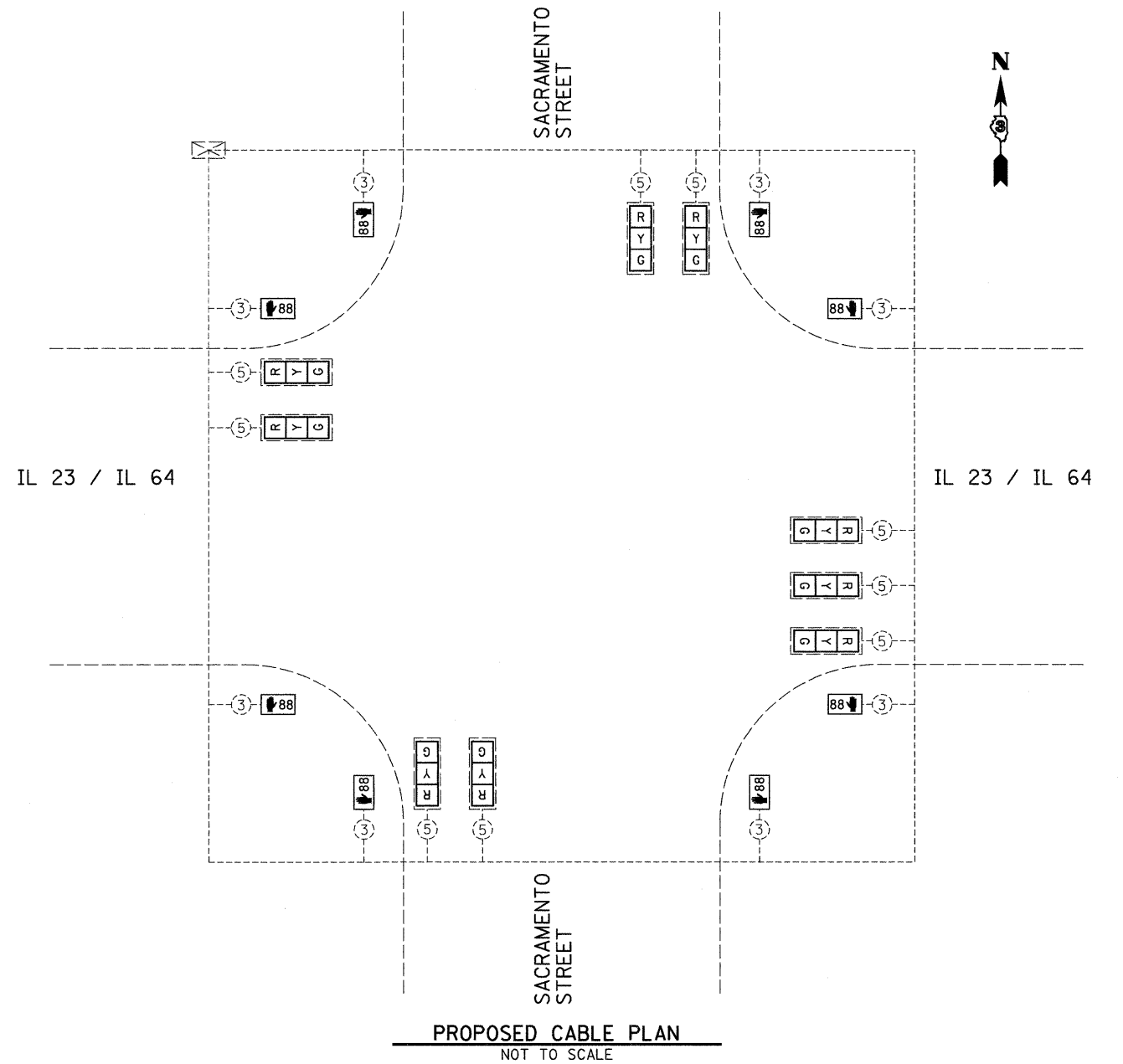
REVISED - ---

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23 / IL 64	RED	5	7	35
	YELLOW	5	12	5
	GREEN	5	9.5	60
		4	11/10	50/50
		4	8	50
SACRAMENTO 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 SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE NINE (9) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

SYCAMORE IL 23/IL 64 & SACRAMENTO ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	9
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	9
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	9

**TRAFFIC SIGNALS LEGEND**

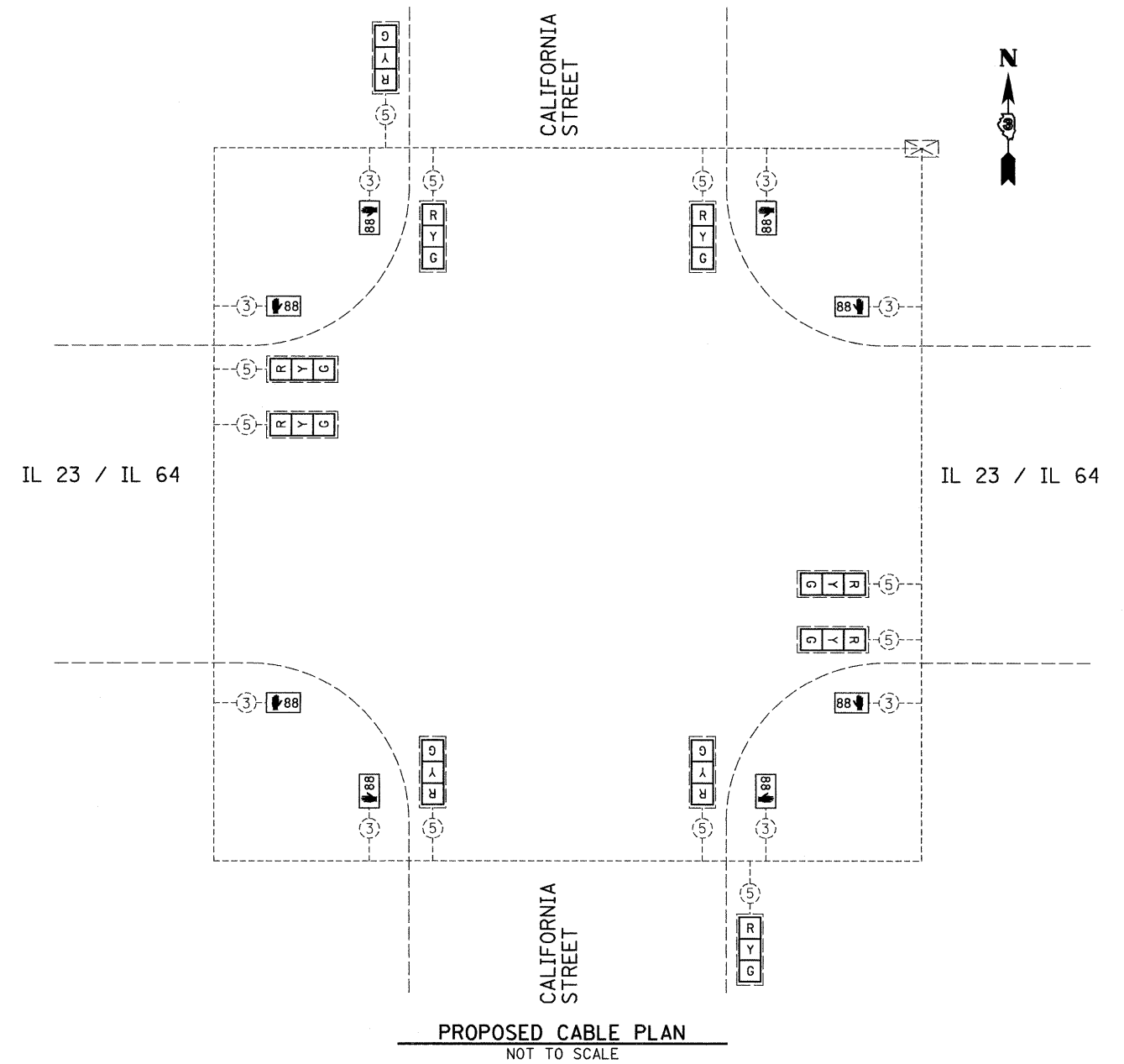
	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23 / IL 64	RED	4	7	35
	YELLOW	4	12	5
	GREEN	4	9.5	60
		4	11/10	50/50
		4	8	50
CALIFORNIA STREET	RED	6	7	60
	YELLOW	6	12	5
	GREEN	6	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 SYCAMORE

**CONSTRUCTION NOTES:**

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE TEN (10) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED







**PROPOSED CABLE PLAN**  
NOT TO SCALE

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

SYCAMORE IL 23/IL 64 & CALIFORNIA ST.			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	10
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	10
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	10

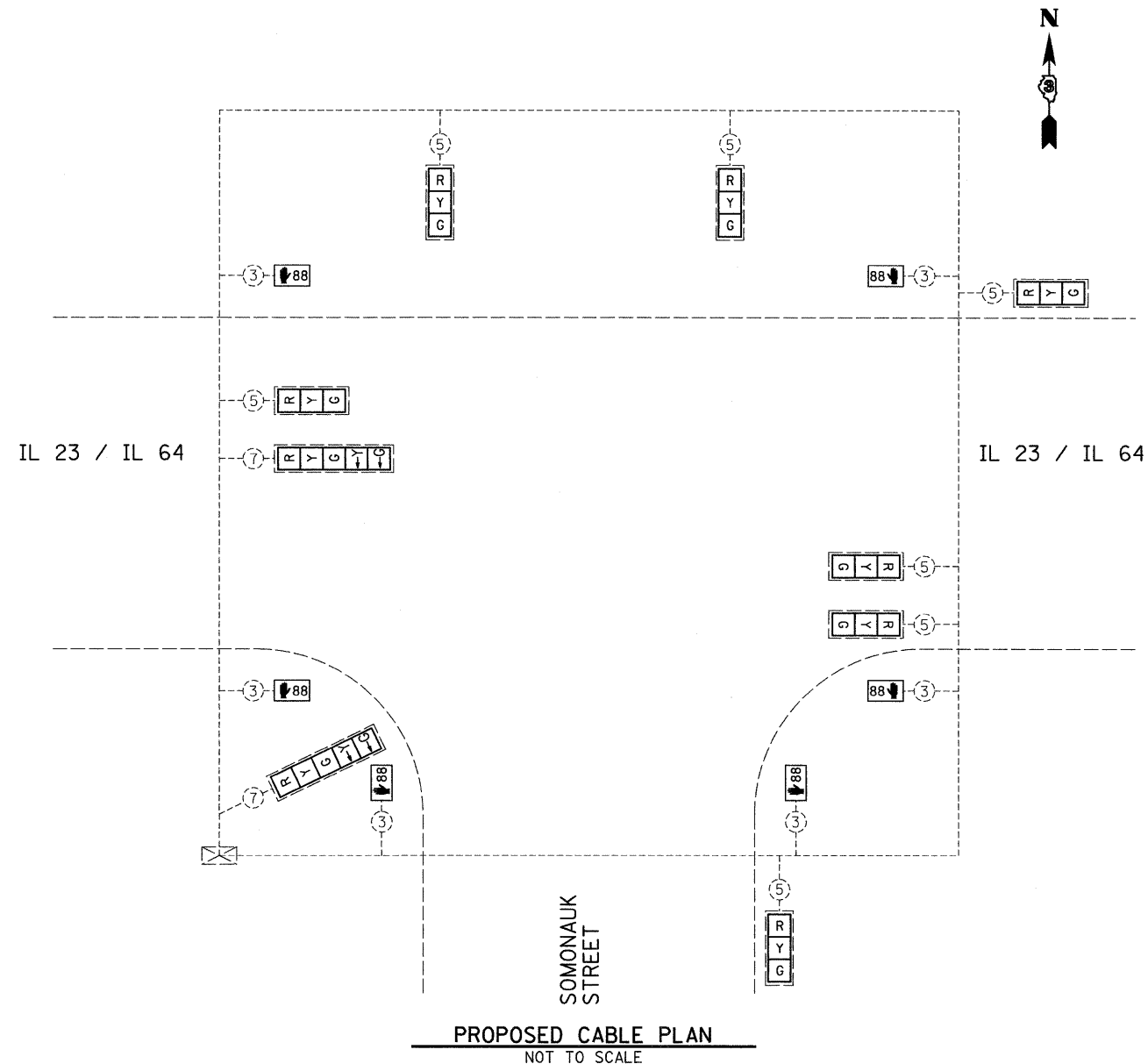
	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23 / IL 64	RED	6	7	35
	YELLOW	6	12	5
	GREEN	6	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	11/10	50/50
		4	8	50
SOMONAUK STREET	RED	3	7	60
	YELLOW	3	12	5
	GREEN	3	9.5	35
		2	11/10	50/50
		2	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 SYCAMORE

**CONSTRUCTION NOTES:**








- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE TWO (2) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE SIX (6) 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:  
 6 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

SYCAMORE IL 23/IL 64 & SOMONAUK ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	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	9
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	9
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	9
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	2
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	2

	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	LEFT TURN YELLOW
	LEFT TURN GREEN
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = D366854-SHT-TS-CABLE-SYCAMORE-IL23-SOMONAUK.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  
 SYCAMORE - IL 23 / 64 & SOMONAUK STREET

SCALE: 1" = 20'

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE. ---

SECTION

D-3 LED RETROFIT 2012-1

COUNTY

DEKALB

TOTAL SHEETS

41

SHEET NO.

39

CONTRACT NO. 66B54

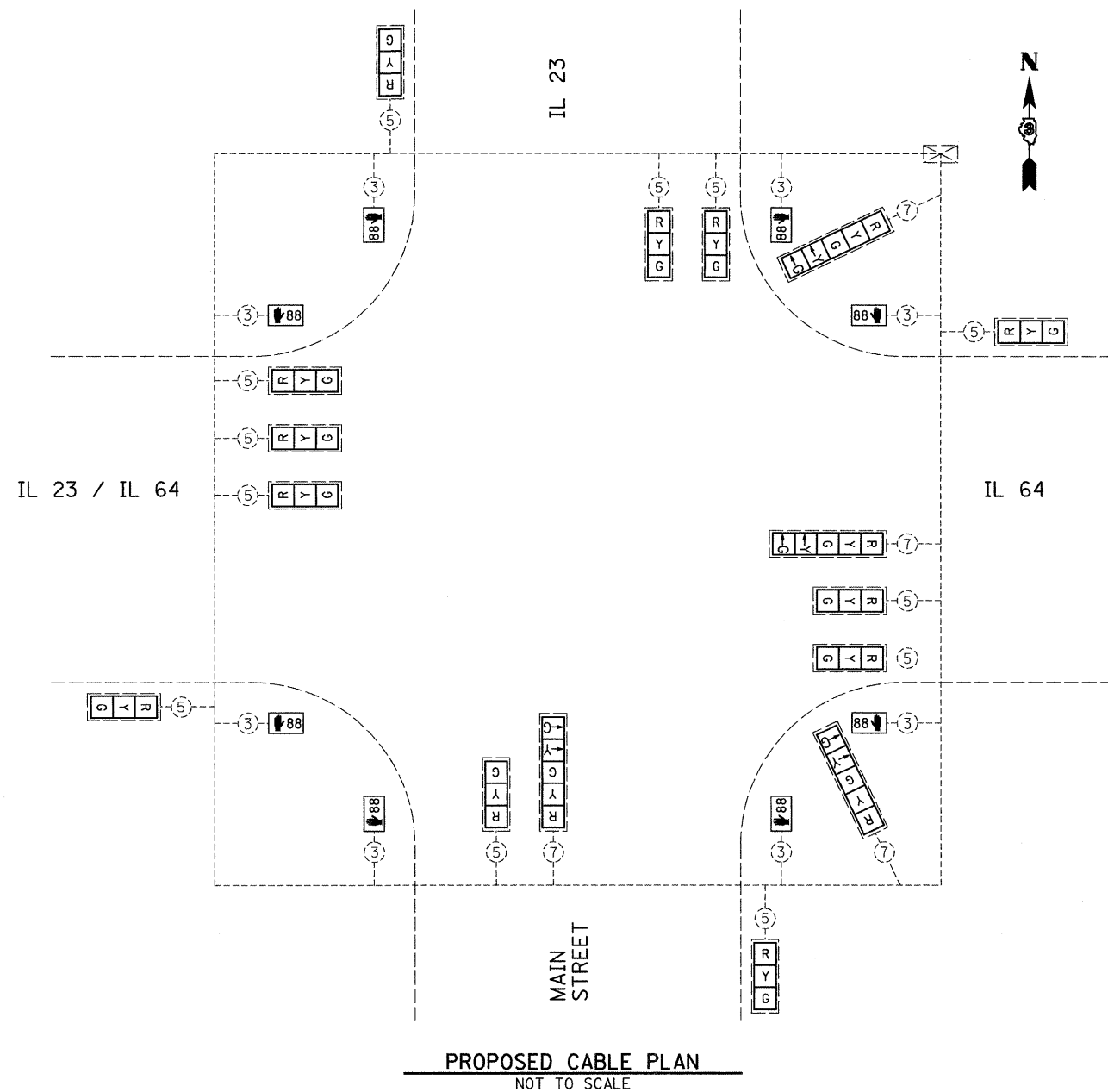
ILLINOIS FED. AID PROJECT

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23 / IL 64	RED	9	7	35
	YELLOW	9	12	5
	GREEN	9	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		6	11/10	50/50
MAIN STREET / IL 23	RED	7	7	60
	YELLOW	7	12	5
	GREEN	7	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		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.
- RETROFIT THE TWELVE (12) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE FOUR (4) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- 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:  
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED



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

SYCAMORE IL 23 & IL 64 (EAST INTERSECTION)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	16
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	16
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	16
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	4
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	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
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366B54-SHT-TS-CABLE-SYCAMORE-IL23-IL64.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

PLOT SCALE = 1" = 20'

DRAWN - ARR/NV

REVISED - ---

PLOT DATE = 10/11

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

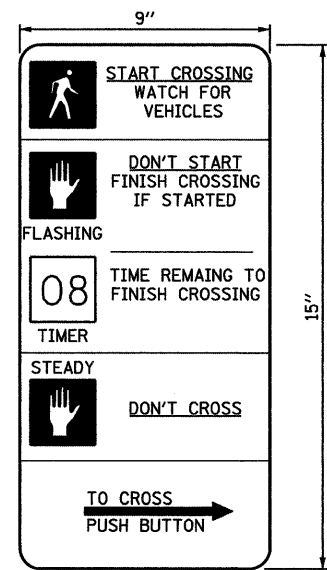
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN**  
**SYCAMORE - IL 23 & IL 64 (EAST INTERSECTION)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-1	DEKALB	41	40
				CONTRACT NO. 66B54
ILLINOIS FED. AID PROJECT				





R10-3E  
 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.

R10-3E SIGN SCHEDULE			
COUNTY	CITY	INTERSECTION	NUMBER OF R10-3E SIGNS REQUIRED
DEKALB		IL 38 & ANNIE GILDDEN RD *	16
DEKALB		IL 38 & CARROL AVE	4
DEKALB		IL 38 & NORMAL RD	4
DEKALB		IL 38 & CASTLE DR	4
DEKALB		IL 38 & PEARL ST	8
DEKALB		IL 38 & FIRST ST.	8
DEKALB		IL 38 & SEVENTH ST.	8
DEKALB		IL 38 & TENTH ST.	8
DEKALB		IL 38 & PEACE RD.	2
DEKALB		IL 23 SYCAMORE RD. & HILLCREST DR./SEVENTH ST.	8
DEKALB		IL 23 & HOLLISTER AVE./13TH ST.	8
DEKALB		IL 23 & DRESSER RD.	8
DEKALB		IL 23 & GREENWOOD ACRES DR.	8
DEKALB		IL 23 & MARKET SQUARE ENTRANCE	8
DEKALB		IL 23 & BARBER GREENE RD.	8
DEKALB		IL 23 & NORTHLAND (TARGET ENTRANCE)	6
DEKALB		IL 23 & OAKLAND DR.	8
GENOA		IL 72 & WASHINGTON ST.	8
GENOA		IL 72 & SYCAMORE ST.	8
SANDWICH		US 34 & MAIN ST.	8
SYCAMORE		IL 23 & COLTONVILLE RD./WOODGATE DR.	4
SYCAMORE		IL 23/SPARTAN TRAIL-MEADOWS	8
SYCAMORE		IL 23 & CENTER CROSS ST.	6
SYCAMORE		IL 23 & MAPLEWOOD DR.	8
WATERMAN		US 30 & ELM ST.	8
<b>TOTAL</b>			<b>182</b>

\* - THE R10-3E SIGN SHALL BE SUPPLEMENTED WITH BRAILLE TEXT ON THE ARROW TO IDENTIFY THE STREET BEING CROSSED.