06-14-13 LETTING ITEM 137

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

VARIOUS LOCATIONS IN JOLIET AND BOLINGBROOK LIGHT EMITTING DIODE (LED) INSTALLATION SECTION 2013-003-I

> **WILL COUNTY** C-91-216-13

HIGHWAY STANDARDS

OFF-ROAD OPERATIONS 2L, 2W,15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE 701101-03 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE 701701-08 URBAN LANE CLOSURE MULTILANE INTERSECTION 701901-02 TRAFFIC CONTROL DEVICES 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

UNITERRUPTABLE 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.

WILL COUNTY LOCATION MAP SEE SHEET NO. 3 & 4

850 Forest Edge Drive "Vernon Hills, IL. 60061 Consulting Engineers & Surveyors 847-478-9700 FAX: 847-478-9701

2013-003-1

C-91-216-13



NED:	Kerin L.		save.	Maria BELONIA
	KEVIN	L. BEI	RAVE, EXP. 11/30/2013	002-051750 \"
ATE:	MARCH	28	2013	PROFESSIONAL PHONEER
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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
SUBMITTED_	Manch 282013
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	DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
_	20
-	ENGINEER OF DESIGN AND ENVIRONMENT
	20
	DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

CONTRACT NO. 60W21

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2. INDEX OF SHEETS AND GENERAL NOTES
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8.-13. DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETALS
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GENERAL NOTES

THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", JANUARY 1, 2012: MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION; PROJECT SPECIFICATIONS; ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION; THE CITIES OF JOLIET AND LOCKPORT; THE VILLACE OF CHANNAHON, FRANKFORT, PLAINFIELD, AND ROMEOVILLE; THE WILL COUNTY DEPARTMENT OF HIGHWAYS; ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OF AUTHORITIES HAVING JURISDICTION; AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.

THE STANDARD SPECIFICATIONS, PROJECT SPECIFICATIONS, CONSTRUCTION PLANS, AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.

WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OF UNSTABLE MATERIALS CREATED AS A RESULT THEREOF.

THE CONTRACTOR SHALL SOLEY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.

EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION IS BASED ON RECORD INFORMATION PROVIDED BY THE INDIVIDUAL UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL ALSO CONTACT JULLILE. TO OBTAIN LOCATES OF THE RESPECTIVE UTILITY COMPANIES UNDERGROUND FACILITIES.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAYEMENT, ETC. SHALL BE REPLACED IN KIND, ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD IN ACCORDANCE TO STANDARD SPECIFICATIONS ARTICLE 252 WHICH SHALL INCLUDE THE REQUIRED WATERING PER ARTICLE 252.08. ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS ARTICLE 250 AND 251. RESPECTIVELY.

THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-OUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTH.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES, AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES, AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE' AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES, AND IDOT.

THE CONTRACTOR SHALL RELOCATE ANY EXISTING SIGN PANELS FROM PAINTED POSTS THAT ARE INDICATED FOR REPLACEMENT TO A NEW POST AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL, RELOCATION, AND ANY NEW MOUNTING HARDWARE NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE PAY ITEM OF THE LENGTH AS SPECIFIED IN THE PLANS.

SCALE: NONE

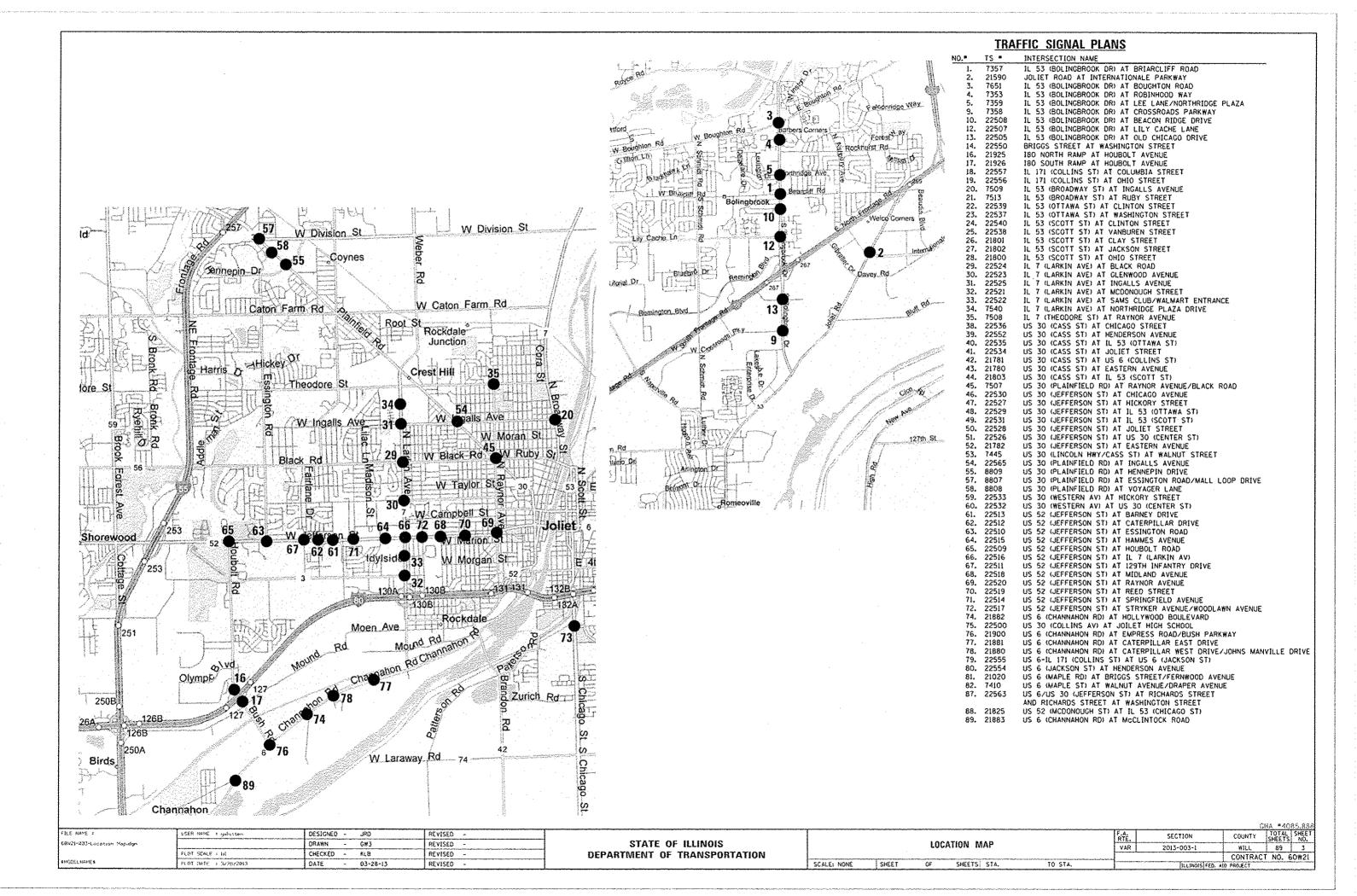
THE CONTRACTOR SHALL REPLACE BROKEN MOUNTING BRACKETS AT ALL RELOCATED SIGNAL HEAD INTERSECTIONS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING RELOCATED SIGNAL HEAD, RELOCATED PEDESTRIAN SIGNAL HEAD OR RELOCATED PEDESTRIAN PUSH-BUTTON AS SPECIFIED IN THE PLANS.

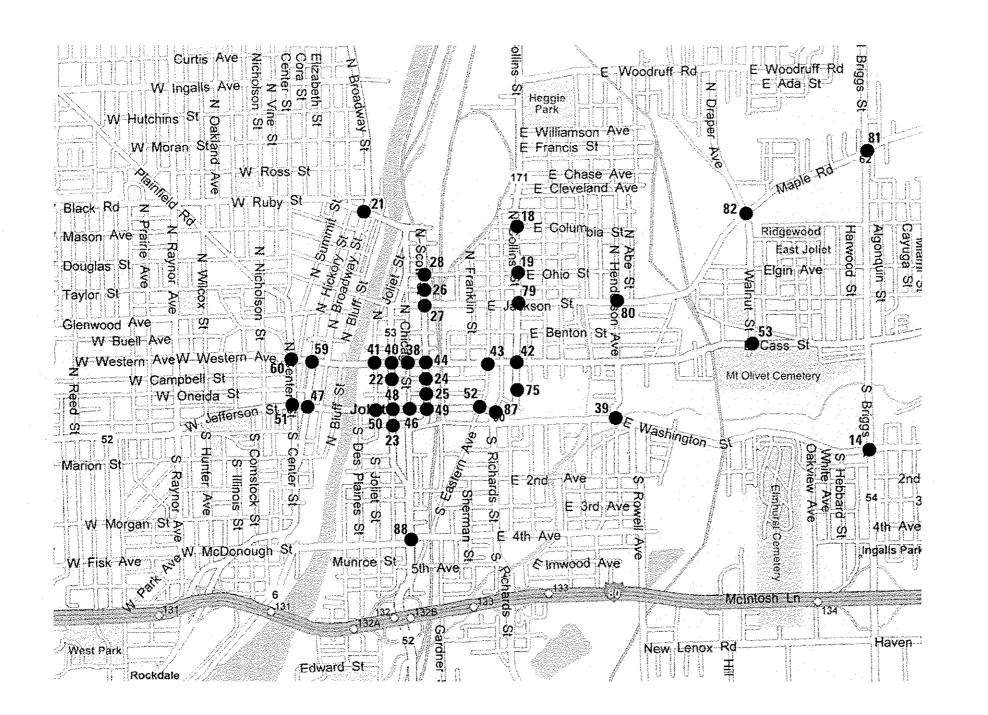
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND GENERAL NOTES

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	7651	IL 53 (BOLINGBROOK DR) AT BOUGHTON ROAD
	7353	IL 53 (BOLINGBROOK DR) AT ROBINHOOD WAY
	7359	IL 53 (BOLINGBROOK DR) AT LEE LANE/NORTHRIDGE PLAZA
	7358 22508	IL 53 (BOLINGBROOK DR) AT CROSSROADS PARKWAY IL 53 (BOLINGBROOK DR) AT BEACON RIDGE DRIVE
	22507	IL 53 (BOLINGBROOK DR) AT LILY CACHE LANE
	22505	IL 53 (BOLINGBROOK DR) AT OLD CHICAGO DRIVE
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	21926 22557	180 SOUTH RAMP AT HOUBOLT AVENUE IL 171 (COLLINS ST) AT COLUMBIA STREET
	22556	IL 171 (COLLINS ST) AT OHIO STREET
	7509	IL 53 (BROADWAY ST) AT INGALLS AVENUE
	7513	IL 53 (BROADWAY ST) AT RUBY STREET
	22539 22537	IL 53 (OTTAWA ST) AT CLINTON STREET IL 53 (OTTAWA ST) AT WASHINGTON STREET
	22540	IL 53 (SCOTT ST) AT CLINTON STREET
25.	22538	IL 53 (SCOTT ST) AT VANBUREN STREET
26.		IL 53 (SCOTT ST) AT CLAY STREET
27. : 28. :	21802 21800	IL 53 (SCOTT ST) AT JACKSON STREET IL 53 (SCOTT ST) AT OHIO STREET
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	7540	IL 7 (LARKIN AVE) AT NORTHRIDGE PLAZA DRIVE
	7508	IL 7 (THEODORE ST) AT RAYNOR AVENUE
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39. :		US 30 (CASS ST) AT HENDERSON AVENUE
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	21781	US 30 (CASS ST) AT US 6 (COLLINS ST)
	21780	US 30 (CASS ST) AT EASTERN AVENUE
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	22531 22528	US 30 (JEFFERSON ST) AT IL 53 (SCOTT ST) US 30 (JEFFERSON ST) AT JOLIET STREET
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58. 8		US 30 (PLAINFIELD RD) AT VOYAGER LANE
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	22563	US 6/US 30 (JEFFERSON ST) AT RICHARDS STREET
		AND RICHARDS STREET AT WASHINGTON STREET
88. 2	?1825 ?1883	US 52 (MCDONOUGH ST) AT IL 53 (CHICAGO ST) US 6 (CHANNAHON RD) AT MCCLINTOCK ROAD
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68%21-884-Location Map,dgn		DRAWN -	C#3	REVISED -	STATE OF ILLINOIS	***		LOC/	ATION MAP		VAR	2013-003-1	WILL	89 4
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9. IL 53 (BOLINGBROOK DR) AT CROSSROADS PARKWAY

2.	IL 33 (BOLINOBROOK DK) AI CROSSRUADS PARKMAI
10.	IL 53 (BOLINGBROOK DR) AT BEACON RIDGE DR
12.	IL 53 (BOLINGBROOK DR) AT LILY CACHE LANE
13.	IL 53 (BOLINGBROOK DR) AT OLD CHICAGO DRIVE
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19.	IL 171 (COLLINS ST) AT OHIO STREET
	IL 53 (BROADWAY ST) AT INGALLS AVENUE
	IL 53 (BROADWAY ST) AT RUBY STREET
22.	IL 53 (OTTAWA ST) AT CLINTON STREET
23.	1L 53 (OTTAWA ST) AT WASHINGTON STREET
24.	IL 53 (SCOTT ST) AT CLINTON STREET
25.	IL 53 (SCOTT ST) AT VAN BUREN STREET

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7.	IL 5	3 (SCOTT ST) AT JACKSON STREET
8.	IL 5	3 (SCOTT ST) AT OHIO STREET
9.	IL 7	(LARKIN AV) AT BLACK ROAD
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l.	IL 7	(LARKIN AV) AT INGALLS AVENUE
2.	IL 7	(LARKIN AV) AT MCDONOUGH STREET
3.	IL 7	(LARKIN AV) AT SAM'S CLUB / WAL-MART ENTRANCE
4.	IL 7	(LARKIN AV) AT NORTHRIDGE PLAZA
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3.	u. s.	30 (CASS ST) AT EASTERN AVENUE
4.	u. s.	30 (CASS ST) AT IL 53 (SCOTT ST)
		30 (PLAINFIELD RD) AT RAYNOR AVENUE / BLACK ROAD
-		30 (JEFFERSON ST) AT CHICAGO STREET
7.	U. S.	30 (JEFFERSON ST) AT HICKORY STREET

2

48. U.S.	30 (JEFFERSON ST) AT IL 53 (OTTAWA ST)
49. U.S.	30 (JEFFERSON ST) AT IL 53 (SCOTT: ST)
50. U.S.	30 (JEFFERSON ST) AT JOLIET STREET
51. U.S.	30 (JEFFERSON ST) AT U.S. 30 (CENTER ST)
52. U.S.	30 (JEFFERSON ST) AT EASTERN AVENUE
3. U.S.	30 (LINCOLN HWY / CASS ST) AT WALNUT STREET
4. U.S.	30 (PLAINFIELD RD) AT INGALLS AVENUE
55. U.S.	30 (PLAINFIELD RD) AT HENNEPIN DRIVE
57. U.S.	30 (PLAINFIELD RO) AT ESSINGTON ROAD / MALL LOOP DRIVE
i8. U.S.	30 (PLAINFIELD RD) AT VOYAGER DRIVE
9. U.S.	30 (WESTERN AV) AT HICKORY STREET
60. U.S.	30 (WESTERN AV) AT U.S. 30 (CENTER ST)
1. U. S.	52 (JEFFERSON ST) AT BARNEY DRIVE
62. U.S.	52 (JEFFERSON ST) AT CATERPILLAR DRIVE
53. U.S.	52 (JEFFERSON ST) AT ESSINGTON ROAD
64. U.S.	52 (JEFFERSON ST) AT HAMMES AVENUE
65. U.S.	52 (JEFFERSON ST) AT HOUBOLT ROAD
	52 (JEFFERSON ST) AT IL 7 (LARKIN AV)
67. U.S.	52 (JEFFERSON ST) AT 129TH INFANTRY DRIVE
	52 (JEFFERSON ST) AT MIDLAND AVENUE

	INTERSECTION
69.	U. S. 52 (JEFFERSON ST) AT RAYNOR AVENUE
70.	U.S. 52 (JEFFERSON ST) AT REED STREET
71.	U.S. 52 (JEFFERSON ST) AT SPRINGFIELD AVENUE
72.	U.S. 52 (JEFFERSON ST) AT STRYKER AVENUE / WOODLAWN AVENUE
74.	U.S. 6 (CHANNAHON RD) AT HOLLYWOOD BOULEVARD
75.	U.S. 6 - U.S 30 (COLLINS AV) AT JOLIET HIGH SCHOOL
76.	U.S. 6 (CHANNAHON RD) AT EMPRESS ROAD / BUSH PARKWAY
77.	U.S. 6 (CHANNAHON RD) AT CATERPILLAR EAST DRIVE
78,	U.S. 6 (CHANNAHON RD) AT CATERPILLAR WEST DRIVE /
	JOHNS MANVILLE DRIVE
79.	U.S. 6 - IL 171 (COLLINS ST) AT U.S. 6 (JACKSON ST)
80.	U.S. 6 (JACKSON ST) AT HENDERSON AVENUE
81.	U.S. 6 (MAPLE RD) AT BRIGGS STREET / FERNWOOD AVENUE
82.	U.S 6 (MAPLE RD) AT WALNUT AVENUE / DRAPER AVENUE
87.	U.S. 6 - U.S. 30 (JEFFERSON ST) AT RICHARDS STREET
	AND RICHARDS STREET AT WASHINGTON STREET
88.	U.S. 6 - U.S. 52 (McDONOUGH ST) AT IL 53 (CHICAGO ST)
89.	U. S. 6 (CHANNAHON RD) AT MCCLINTOCK ROAD

GEW31-205-500.dgm DRAWN - GW3 REVISED - STATE OF ILLINOIS SUMMARY OF QUANTITIES (SHEET 1 OF 3) VAR 2013-003-1 WILL	F.A. SECTION COUNTY TOTAL SHEET			REVISEO -	SIGNEO - JRO	USEA NAME > galatten	EILE NAME =
FLOT SCALE - ILL CHECKED - KLB REVISED - DEPARTMENT OF TRANSPORTATION	Nic. Sheets MA	SUMMARY OF QUANTITIES (SHEET 1 OF 3)	STATE OF ILLINOIS	REVISED ~	AWN - GW3		68W21-235-S0Q.dgm
	CONTRACT NO COWS!	, , , , , , , , , , , , , , , , , , , ,	DEPARTMENT OF TRANSPORTATION	REVISED -	ECKED - KL8	PLOT SCALE + IN	
#HORELINENES FEDT BATE = 3/29/2013 DATE - 03-28-13 REVISED - SCALE: NONE SHEET OF SHEETS STA. TO STA. HILINOIS FED. AID PROJECT	A. HILLINOIS FED. AID PROJECT			REVISED -	TE - 03-28-13	FLOT BATE = 3/29/2013	*MORELHANE*

		1	ATION OF ORK	1, 3, 4, 5, 9, 10, 13	12	18-33, 35, 38, 39, 41, 43, 47, 50, 52-55, 57-59, 61, 62, 64, 67, 68, 70-72, 80, 82,	45, 46, 63, 65, 74, 89	51. 69. 79. 88	14	18	76	2	3.4	77	78	16, 17, 40, 42, 44, 48,	4, 10, 12	21
	SUMMARY OF QUANTITIES	FUN	ID I NG KDOWNS	95% STATE 5% VILLAGE OF BOLINGBROOK	96. 7% STATE 3. 3% VILLAGE OF BOLINGBROOK	95% STATE 5% CITY OF JOLIET	96. 7% STATE 3. 3% CITY OF JOLIET	97.5% STATE 2.5% CITY OF JOLIET	92.5% STATE 5% WILL COUNTY 2.5% CITY OF JOLIET	95% STATE 5% WILL COUNTY	96.7% STATE 3.3% TROY TOWNSHIP	95% STATE 5% PRO LOGISTICS	95% STATE 5% SIMON PROPERTY GROUP	95% STATE 5% CATERPILLAR, INC.	95% STATE 5% CENTER POINT PROPERTIES	49, 60, 66 100% STATE	100% VILLAGE OF BOLINGBROOK	100% C OF JOL 11
					TRAF, SIGNALS	<u> </u>		<u> </u>	TRAF. SIGNALS		1	TRAF. SIGNALS	<u> </u>	TRAF. SIGNALS	TRAF, SIGNALS	<u> </u>	TRAF. SIGNALS	TRAF. S
CODE NO.	ITEM		YPE TOTAL	URBAN	0021 URBAN	URBAN	0021 URBAN	URBAN	0021 URBAN	0021 URBAN	URBAN	0021 URBAN	URBAN	0021 URBAN	0021 URBAN	URBAN	0021 URBAN	002 URB
								4	***************************************		V							
88030070	SIGNAL HEAD, LED. 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2			2												
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3			2									1			
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	16			2	1		2	2		-	2		3	4		
		1				3	•		-	2					7	7		
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	18			2	3	4	2	4	4		2					
88030210	SIGNAL HEAD. LED. 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5			1	1				1					2		
88030240	SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	7			-		4		2	1							
88030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1												1			
88055150	OPTICALLY PROGRAMMED SIGNAL HEAD, LED. 1-FACE, 3-SECTION. BRACKET MOUNTED	EACH	***											1				
88060110	COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1				***				The state of the s			1				
88102717	PEDESTRIAN SIGNAL HEAD, LED. 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	24	20				4			**************************************							
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	21	11				2	4	4	A STATE OF THE STA							
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	71			13	6	8	8	. 8	4		8	4	4	8		

1. IL 53 (BOLINGBROOK DR) AT BRIARCLIFF ROAD
2. JOLIET ROAD AT INTERNATIONALE PARKWAY 3. IL 53 (BOLINGBROOK DR) AT BOUGHTON ROAD
4. IL 53 (BOLINGBROOK DR) AT ROBINHOOD WAY 5. IL 53 (BOLINGBROOK DR) AT LEE LANE / NORTHRIDGE AVENUE 9. IL 53 (BOLINGBROOK DR) AT CROSSROADS PARKWAY 10. IL 53 (BOLINGBROOK DR) AT BEACON RIDGE DR 12. IL 53 (BOLINGBROOK DR) AT LILY CACHE LANE 13. IL 53 (BOLINGBROOK DR) AT OLD CHICAGO DRIVE 14. BRIGGS STREET AT WASHINGTON STREET 16. I-80 NORTH RAMP AT HOUBOLT ROAD 17. I-80 SOUTH RAMP AT HOUBOLT ROAD 18. IL 171 (COLLINS ST) AT COLUMBIA STREET 19. IL 171 (COLLINS ST) AT OHIO STREET 20. IL 53 (BROADWAY ST) AT INGALLS AVENUE 21. IL 53 (BROADWAY ST) AT RUBY STREET 22. IL 53 (OTTAWA ST) AT CLINTON STREET 23. IL 53 (OTTAWA ST) AT WASHINGTON STREET 24. IL 53 (SCOTT ST) AT CLINTON STREET 25. IL 53 (SCOTT ST) AT VAN BUREN STREET

26. IL 53 (SCOTT ST) AT CLAY STREET 27. IL 53 (SCOTT ST) AT JACKSON STREET 28. IL 53 (SCOTT ST) AT OHIO STREET 29. IL 7 (LARKIN AV) AT BLACK ROAD 30. IL 7 (LARKIN AV) AT GLENWOOD AVENUE 31. IL 7 (LARKIN AV) AT INGALLS AVENUE 32. IL 7 (LARKIN AV) AT MCDONOUGH STREET 33. IL 7 (LARKIN AV) AT SAM'S CLUB / WAL-MART ENTRANCE 34. IL 7 (LARKIN AV) AT NORTHRIDGE PLAZA 35. IL 7 (THEOROGRE ST) AT RAYNOR AVENUE 38. U.S. 30 (CASS ST) AT CHICAGO STREET 39. U.S. 30 (CASS ST) AT HENDERSON AVENUE 40. U.S. 30 (CASS ST) AT 1L 53 (OTTAWA ST) 41. U.S. 30 (CASS ST) AT JOLIET STREET 42. U. S. 30 (CASS ST) AT U. S. 6 (COLLINS ST) 43. U.S. 30 (CASS ST) AT EASTERN AVENUE 44. U.S. 30 (CASS ST) AT 1L 53 (SCOTT ST) 45. U.S. 30 (PLAINFIELD RD) AT RAYNOR AVENUE / BLACK ROAD 46. U.S. 30 (JEFFERSON ST) AT CHICAGO STREET 47. U.S. 30 (JEFFERSON ST) AT HICKORY STREET

48. U.S. 30 (JEFFERSON ST) AT IL 53 (OTTAWA ST) 49. U.S. 30 (JEFFERSON ST) AT IL 53 (SCOTT ST) 50. U.S. 30 (JEFFERSON ST) AT JOLIET STREET 51. U.S. 30 (JEFFERSON ST) AT U.S. 30 (CENTER ST) 52. U.S. 30 (JEFFERSON ST) AT EASTERN AVENUE 53. U.S. 30 (LINCOLN HWY / CASS ST) AT WALNUT STREET 54. U.S. 30 (PLAINFIELD RD) AT INGALLS AVENUE 55. U.S. 30 (PLAINFIELD RD) AT HENNEPIN DRIVE 57. U.S. 30 (PLAINFIELD RD) AT ESSINGTON ROAD / MALL LOOP DRIVE 58. U.S. 30 (PLAINFIELD RD) AT VOYAGER DRIVE 59. U. S. 30 (WESTERN AV) AT HICKORY STREET 60. U.S. 30 (WESTERN AV) AT U.S. 30 (CENTER ST) 61. U. S. 52 (JEFFERSON ST) AT BARNEY DRIVE 62. U.S. 52 (JEFFERSON ST) AT CATERPILLAR DRIVE 63. U.S. 52 (JEFFERSON ST) AT ESSINGTON ROAD 64. U. S. 52 (JEFFERSON ST) AT HAMMES AVENUE 65. U. S. 52 (JEFFERSON ST) AT HOUBOLT ROAD 66. U. S. 52 (JEFFERSON ST) AT JL 7 (LARKIN AV) 67. U.S. 52 (JEFFERSON ST) AT 129TH INFANTRY DRIVE 68. U. S. 52 (JEFFERSON ST) AT MIDLAND AVENUE

NO. INTERSECTION

69. U. S. 52 (JEFFERSON ST) AT RAYNOR AVENUE

70. U. S. 52 (JEFFERSON ST) AT REED STREET

71. U. S. 52 (JEFFERSON ST) AT SPRINGFIELD AVENUE

72. U. S. 52 (JEFFERSON ST) AT STRYKER AVENUE / WOODLAWN AVENUE

74. U. S. 6 (CHANNAHON RD) AT HOLLYWOOD BOULEVARD

75. U. S. 6 - U. S 30 (COLLINS AV) AT JOLIET HIGH SCHOOL

76. U. S. 6 (CHANNAHON RD) AT EMPRESS ROAD / BUSH PARKWAY

77. U. S. 6 (CHANNAHON RD) AT CATERPILLAR EAST DRIVE

78. U. S. 6 (CHANNAHON RD) AT CATERPILLAR WEST DRIVE /

JOHNS MANVILLE DRIVE

79. U. S. 6 - IL 171 (COLLINS ST) AT U. S. 6 (JACKSON ST)

80. U. S. 6 (JACKSON ST) AT HENDERSON AVENUE

81. U. S. 6 (MAPLE RD) AT BRIGGS STREET / FERNWOOD AVENUE

82. U. S 6 (MAPLE RD) AT WALNUT AVENUE / DRAPER AVENUE

83. U. S. 6 - U. S. 30 (JEFFERSON ST) AT RICHARDS STREET

AND RICHARDS STREET AT WASHINGTON STREET

88. U. S. 6 - U. S. 52 (MCDONOUGH ST) AT IL 53 (CHICAGO ST)

89. U. S. 6 (CHANNAHON RD) AT MCCLINTOCK ROAD

FILE HAVE :	USER NAME I gubarren	DESIGNED -	AUD	REVISED	~
68A51-896-200'48v	,	DRAWN -	GW3	REVISED	-
	FLOT SCALE > III	CHECKED -	KLB	REVISED	~
*MODEL HAME \$	FLOR DATE = 3/29/2013	DATE -	03-28-13	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

-	OUT THE ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	RTE.	SECTION
***************************************	SUMMARY OF QUANTITIES (SHEET 2 OF 3)	VAR	2013-003-[
-	SCALE: NONE SHEET OF SHEETS STA. TO STA.		ILLINO

	SECTION	COUNTY	TOTAL	SHEET NO.		
	2013-003-1	WILL	89	6		
		CONTRACT	NO. 6	1240		
ILLINOIS FED. AID PROJECT						

		LOCA	ATION	1. 3. 4.	12	18-33. 35. 38.	45, 46,	51, 69,	14	81	76	2	34	77	78	16, 17, 40,	4, 10, 12	T
		1)F	5, 9,		18-33, 35, 38, 39, 41, 43, 50, 52-55, 57-59, 61, 62, 64, 67, 68, 70-72, 87	63, 65,	79, 88							, •	42, 44, 48,		
11 kg		W	QRK.	10, 13	Ī	70-72. 80. 82.	74, 89	AMPROVING THE PROPERTY OF THE								49. 60. 66		
				95% STATE	96. 7% STATE	95% STATE	96. 7% STATE	97.5% STATE	92.5% STATE	95% STATE	96. 7% STATE	95% STATE	95% STATE	95% STATE	95% STATE	100% STATE	100% VILLAGE	10
	SUMMARY OF QUANTITIES	1	DING CDOWNS	5% VILLAGE OF BOLINGBROOK	3. 3% VILLAGE OF BOLINGBROOK	5% CITY OF JOLIET	3.3% CITY OF JOLIET	2.5% CITY OF JOLIET	5% WILL COUNTY 2.5% CITY OF JOLIET	5% WILL COUNTY	3, 3% TROY TOWNSHIP	5% PRO LOGISTICS	5% SIMON PROPERTY GROUP	CATERPILLAR, INC.	5% CENTER POINT PROPERTIES	***************************************	OF BOLINGBROOK	
				TRAF. SIGNALS		TRAF. SIGNALS	TRAF. SIGNALS	TRAF, SIGNALS		TRAF. SIGNALS	TRAF. SIGNALS	TRAF. SIGNALS	TRAF, SIGNALS	TRAF. SIGNALS	TRAF. SIGNALS	TRAF. SIGNALS	TRAF. SIGNALS	TRAF
CODE NO.	ITFU		TOTAL	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	1500	0021	0021	#
4401. 1101		, 0,11,	I TOTAL	URBAN	UNDAR	UNDAN	URDAN	ORBAN	URDAN	UNDAN	URBAN	URDAN	ORBAN	URBAN	URBAN	URBAN	URBAN	1-
8500100	INDUCTIVE LOOP DETECTOR	EACH	18			8				10								1
8800100	PEDESTRIAN PUSH-BUTTON	EACH	18	10		·			8									
											·							
500100	RELOCATE EXISTING SIGNAL HEAD	EACH	72	28	3	32	······································	2								7	· · · · · · · · · · · · · · · · · · ·	-
500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	55			36		5								14		
500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	50			34		3					·			13		
	DELOCATE EVICTING ENCOCCNEY VEHICLE DELOCITY CYCICA						 											
501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3				***************************************								······································		3	
501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1															
502210	MODIFY EXISTING CONTROLLER CABINET	EACH	50			32	5	2	1		1	1	l	1	l	5		_
502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	33	7	1	11	t	2	ı	1	1		1	1	1	5		_
620050	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED	EACH	17			9	1	3								4		-
620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	51			33	5	1	1	1	1	1	1	***	1	5		
	PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	32	22				6		4								
076604 0. INTER		HOUR	ECTION	500				NO. INTERSECT	ION				NO. IN	TERSECTION			<u></u>	
JOLIE IL 53 IL 53	(BOLINGBROOK DR) AT BRIARCLIFF ROAD 26. T ROAD AT INTERNATIONALE PARKWAY 27. (BOLINGBROOK DR) AT BOUGHTON ROAD 28. (BOLINGBROOK DR) AT ROBINHOOD WAY 29.	IL 53 (IL 53 (IL 53 (IL 7 (L	SCOTT SCOTT SCOTT ARK IN	ST) AT CLAY ST) AT JACKS ST) AT OHIO AV) AT BLACK AV) AT GLENW	SON STREET STREET ROAD			48. U.S. 30 (49. U.S. 30 (50. U.S. 30 (51. U.S. 30 (JEFFERSON ST JEFFERSON ST JEFFERSON ST JEFFERSON ST JEFFERSON ST	AT IL 53 (AT JOLIET AT U.S. 30	SCOTT ST) STREET (CENTER ST)		69. U. 70. U. 71. U. 72. U.	5. 52 (JEFFEF 5. 52 (JEFFEF 5. 52 (JEFFEF 5. 52 (JEFFEF	RSON ST) AT (RSON ST) AT (RSON ST) AT (RAYNOR AVENUE REED STREET SPRINGFIELD A STRYKER AVENU OLLYWOOD BOUL	AVENUE JE / WOODLAW	N A

51134	147-113-11-11-11-11-11-11-11-11-11-11-11-11
1.	IL 53 (BOLINGBROOK DR) AT BRIARCLIFF ROAD
2.	JOLIET ROAD AT INTERNATIONALE PARKWAY
3.	IL 53 (BOLINGBROOK DR) AT BOUGHTON ROAD
4.	IL 53 (BOLINGBROOK DR) AT ROBINHOOD WAY
5.	IL 53 (BOLINGBROOK DR) AT LEE LANE / NORTHRIDGE AVE
9.	IL 53 (BOLINGBROOK DR) AT CROSSROADS PARKWAY
10.	IL 53 (BOLINGBROOK DR) AT BEACON RIDGE DR
12.	IL 53 (BOLINGBROOK DR) AT LILY CACHE LANE
13.	IL 53 (BOLINGBROOK DR) AT OLD CHICAGO DRIVE
14.	BRIGGS STREET AT WASHINGTON STREET
16.	I-80 NORTH RAMP AT HOUBOLT ROAD
17.	I-80 SOUTH RAMP AT HOUBOLT ROAD
18.	IL 171 (COLLINS ST) AT COLUMBIA STREET
19.	IL 171 (COLLINS ST) AT OHIO STREET
20.	IL 53 (BROADWAY ST) AT INGALLS AVENUE
21.	IL 53 (BROADWAY ST) AT RUBY STREET
22.	IL 53 (OTTAWA ST) AT CLINTON STREET
23.	IL 53 (OTTAWA ST) AT WASHINGTON STREET
24.	IL 53 (SCOTT ST) AT CLINTON STREET
25.	IL 53 (SCOTT ST) AT VAN BUREN STREET

υ,	15 33	COCOLI DIE NI CENI DINCEL
7,	IL 53	(SCOTT ST) AT JACKSON STREET
8.	IL 53	(SCOTT ST) AT OHIO STREET
9.	IL, 7 (LARKIN AV) AT BLACK ROAD
٥.	IL 7 (LARKIN AV) AT GLENWOOD AVENUE
1.	IL 7 (LARKIN AV) AT INGALLS AVENUE
2.	IL 7 (LARKIN AV) AT McDONOUGH STREET
3.	IL 7 (LARKIN AV) AT SAM'S CLUB / WAL-MART ENTRANCE
4.	IL 7 (LARKIN AV) AT NORTHRIDGE PLAZA
5.	1L 7 (THEORDORE STI AT RAYNOR AVENUE
8.	U. S. 3	30 (CASS ST) AT CHICAGO STREET
9.	U.S. 3	30 (CASS ST) AT HENDERSON AVENUE
0.	U.S.	30 (CASS ST) AT IL 53 (OTTAWA ST)
1.	U. S.	30 (CASS ST) AT JOLIET STREET
2,	U.S.	30 (CASS ST) AT U.S. 6 (COLLINS ST)
3.	U.S. 3	30 (CASS ST) AT EASTERN AVENUE
4.	U. S. 3	30 (CASS ST) AT IL 53 (SCOTT ST)
5.	U.S. 3	30 (PLAINFIELD RO) AT RAYNOR AVENUE / BLACK ROAD
6.	U. S	30 (JEFFERSON ST) AT CHICAGO STREET
7.	U. S	SO (JEFFERSON ST) AT HICKORY STREET

140.	514354	NSECTION.
48.	U. S.	30 (JEFFERSON ST) AT IL 53 (OTTAWA ST)
49,	U. S.	30 (JEFFERSON ST) AT IL 53 (SCOTT ST)
50.	U.S.	30 (JEFFERSON ST) AT JOLIET STREET
51.	U.S.	30 (JEFFERSON ST) AT U.S. 30 (CENTER ST)
52.	U. S.	30 (JEFFERSON ST) AT EASTERN AVENUE
53.	U.S.	30 (LINCOLN HWY / CASS ST) AT WALNUT STREET
54.	u. s.	30 (PLAINFIELD RD) AT INGALLS AVENUE
55.	U.S.	30 (PLAINFIELD RD) AT HENNEPIN DRIVE
57.	U.S.	30 (PLAINFIELD RD) AT ESSINGTON ROAD / MALL LOOP D
58.	U.S.	30 (PLAINFIELD RD) AT VOYAGER DRIVE
59.	IJ. S.	30 (WESTERN AV) AT HICKORY STREET
60.	U.S.	30 (WESTERN AV) AT U.S. 30 (CENTER ST)
61.	U.S.	52 (JEFFERSON ST) AT BARNEY DRIVE
62.	U.S.	52 (JEFFERSON ST) AT CATERPILLAR DRIVE
63.	u.s.	52 (JEFFERSON ST) AT ESSINGTON ROAD
64.	U.S.	52 (JEFFERSON ST) AT HAMMES AVENUE
65.	U.S.	52 (JEFFERSON ST) AT HOUBOLT ROAD
66.	U.S.	52 (JEFFERSON ST) AT IL 7 (LARKIN AV)
67.	U.S.	52 (JEFFERSON ST) AT 129TH INFANTRY DRIVE
68.	U.S.	52 (JEFFERSON ST) AT MIDLAND AVENUE
		·

SCALE: NONE

10.	INTERSECTION
9.	U.S. 52 (JEFFERSON ST) AT RAYNOR AVENUE
0.	U.S. 52 (JEFFERSON ST) AT REED STREET
1.	U.S. 52 (JEFFERSON ST) AT SPRINGFIELD AVENUE
2.	U. S. 52 (JEFFERSON ST) AT STRYKER AVENUE / WOODLAWN AVEN
4.	U. S. 6 (CHANNAHON RD) AT HOLLYWOOD BOULEVARD
5.	U.S. 6 - U.S 30 (COLLINS AV) AT JOLIET HIGH SCHOOL
6.	U.S. 6 (CHANNAHON RD) AT EMPRESS ROAD / BUSH PARKWAY
7.	U.S. 6 (CHANNAHON RD) AT CATERPILLAR EAST DRIVE
8.	U.S. 6 (CHANNAHON RD) AT CATERPILLAR WEST DRIVE /
	JOHNS MANVILLE DRIVE
9.	U.S. 6 - IL 171 (COLLINS ST) AT U.S. 6 (JACKSON ST)
30.	U.S. 6 (JACKSON ST) AT HENDERSON AVENUE
31.	U.S. 6 (MAPLE RD) AT BRIGGS STREET / FERNWOOD AVENUE
2.	U. S 6 (MAPLE RD) AT WALNUT AVENUE / DRAPER AVENUE
7.	U.S. 6 - U.S. 30 (JEFFERSON ST) AT RICHARDS STREET
	AND RICHARDS STREET AT WASHINGTON STREET
8.	U.S. 6 - U.S. 52 (McDONOUGH ST) AT IL 53 (CHICAGO ST)
9.	U. S. 6 (CHANNAHON RD) AT MCCLINTOCK ROAD

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	FILE NAME :	USER MANE = Quintage	DESIGNED -	JRO	REVISED	~	Γ
1	69¥21-237-50C.dgn		ORAWN -	G#3	REVISED	-	
İ		FLOT SCALE + 1/1	CHECKED -	KLB	REVISED	-	
ı	\$MODELNAME\$	FLOT DATE + 3/29/2013	DATE -	03-28-13	REVISED	and the second s	

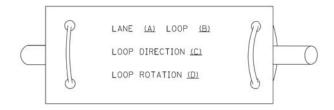
STATE	: 01	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

OUR CALLES	TITO JOHEET	25.01	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANT	IIIES (SMEEL)	,	VAR	2013-003-1	WILL.	89	7
					CONTRACT		OW21
SHEET OF SH	EETS STA.	TO STA.		ILLINOIS FED. AL		-	

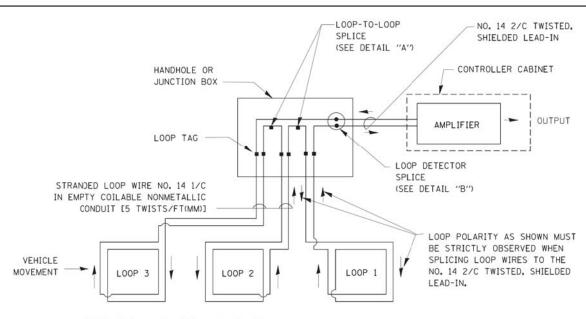
LOOP DETECTOR NOTES

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE, SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

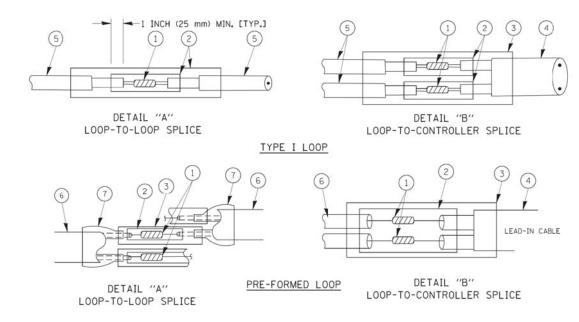


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- (6) PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR

SCALE: NONE

BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

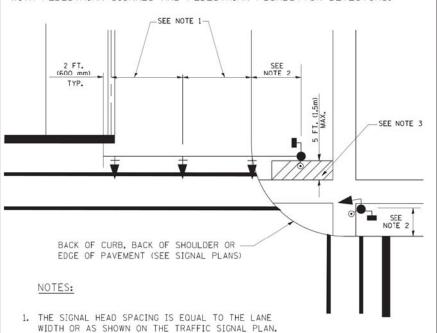
FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED -
60W21-008-D1-Details.dgn		DRAWN	-	GW3	REVISED -
	PLOT SCALE = 1:1	CHECKED	-	KLB	REVISED -
\$MODELNAME\$	PLOT DATE = 3/28/2013	DATE	-	03-28-13	REVISED -

STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

	Thirt All Controls								
	DIST	RICT O	NE		F.A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD	DISTRICT ONE RD Traffic Signal Design Details	DETAILS	VAR	2013-003-I	WILL	89	8		
TANDAND	IIIAIIIO	JIGIVA	L DESIGN	DETAILO		TS-05	CONTRACT	NO. 6	OW21
SHEET 1	OF 6	SHEETS	STA.	TO STA.		TILLINOIS FED. AT	D. PROJECT		

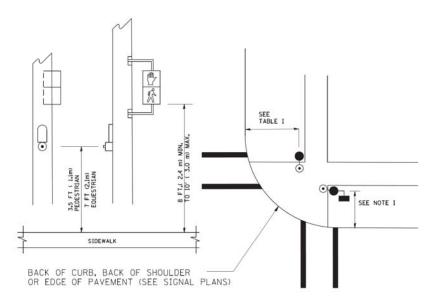
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



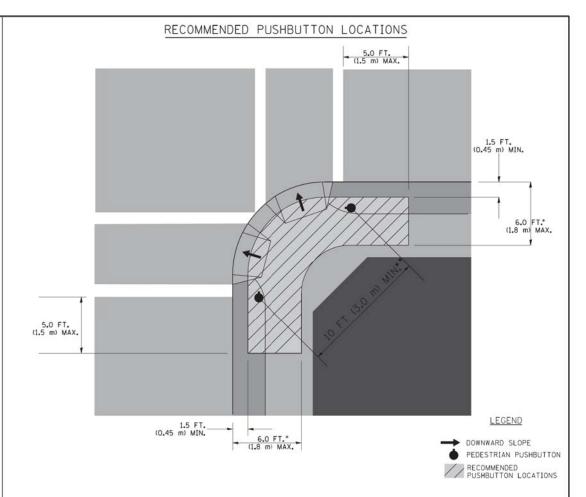
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

- 1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
- 3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- •• WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

- 1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- 2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

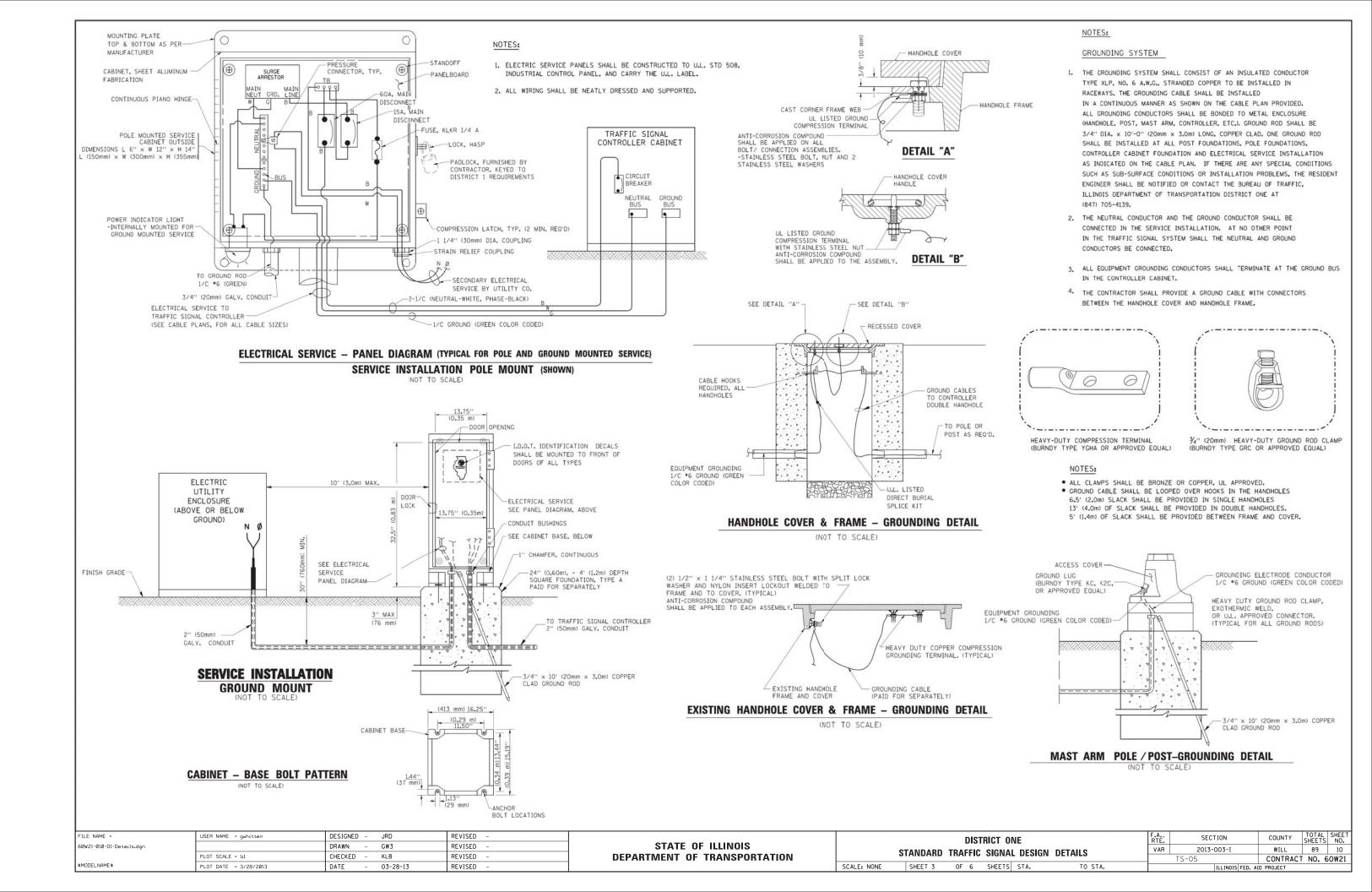
TRAFFIC SIGNAL EQUIPMENT OFFSET

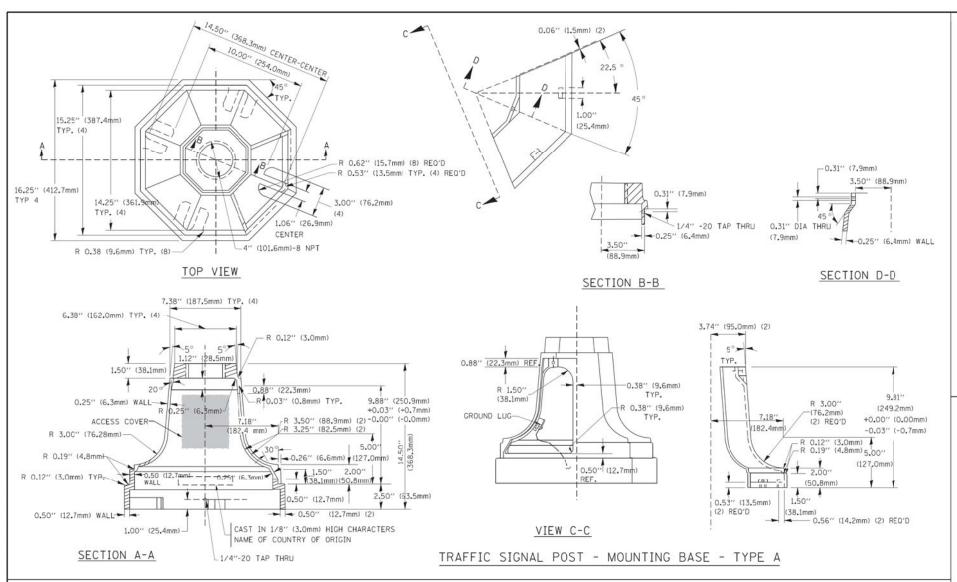
	THE STORY OF STORY	
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

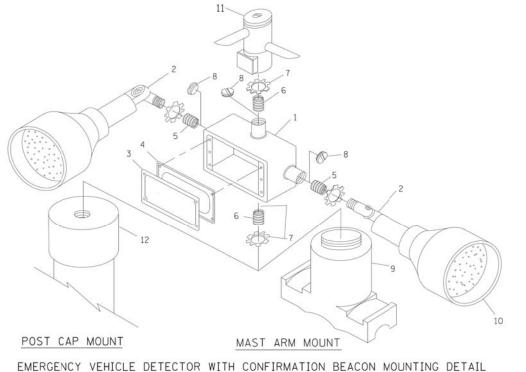
NOTES:

- 1, CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
- 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
- 4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

FILE NAME =	USER NAME = gwhitten	DESIGNED - JRD	REVISED -		DISTRICT ONE	F.A SECTION	COUNTY TOTAL SHEET
60W21-009-D1-Details.dgn		DRAWN - GW3	REVISED -	STATE OF ILLINOIS		VAR 2013-003-I	WILL 89 9
	PLOT SCALE = 1:1	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	TS-05	CONTRACT NO. 60W21
\$MODELNAME\$	PLOT DATE = 3/28/2013	DATE - 03-28-13	REVISED -		SCALE: NONE SHEET 2 OF 6 SHEETS STA. TO STA.	ILLINOIS FED. A	AID PROJECT







ITEM	NO. IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM *1- OZ/GEDNEY FSX-1-50 OR ECUIVALENT
 ITEM *2- MULBERRY CON-0-SHADE LAMP SHIELD OR ECUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 34"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

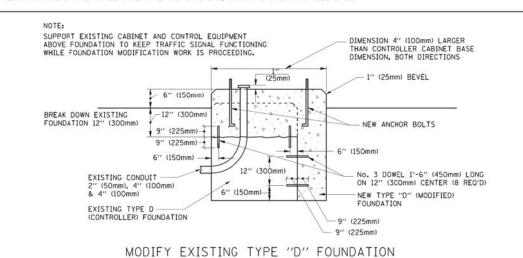
R2.95" (75mm) 0.25 DRAIN PORT 0.25"-____0.31"(8mm MATERIAL: -0.20"(5mm) - ASTM A36 STEEL - ASTM A-123 HOT DIPPED GALVANIZED

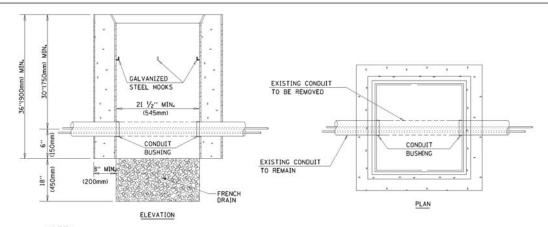
В-В

Α	В	С	HEIGHT	WEIGHT		
VARIES	9.5"(241mm)	19''(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)		
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)		
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)		
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)		

SHROUD

- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD.
 THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

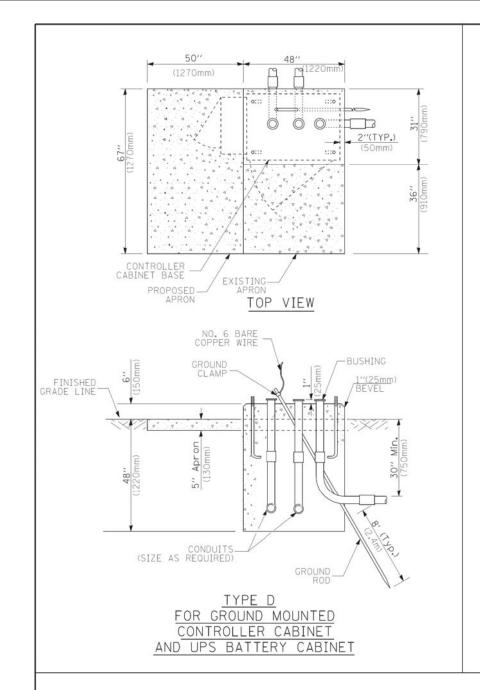


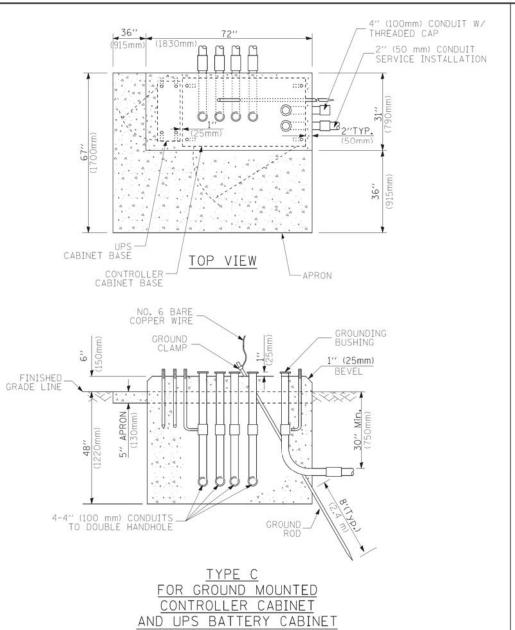


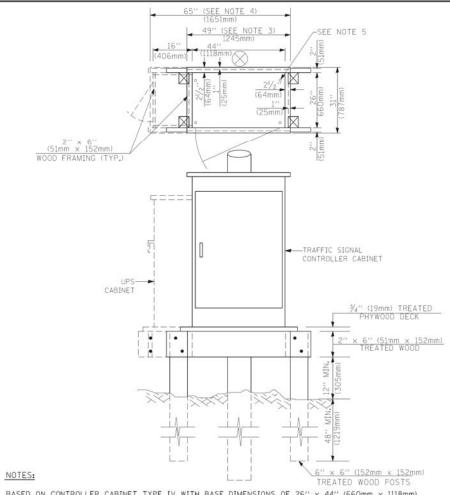
- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = gwhitten	DESIGNED -	JRD	REVISED -				Г	DISTRIC	CT ON	IF		F.A.P.	SECTION	COUNTY	TOTAL	SHEET
60W21-011-D1-Details.dgn		DRAWN -	GW3	REVISED -	STATE OF ILLINOIS		CTANDA				DESIGN	DETAILC	VAR	2013-003-I	WILL	89	11
	PLOT SCALE = 1:1	CHECKED -	KLB	REVISED -	DEPARTMENT OF TRANSPORTATION									S-05	CONTRAC	T NO. 6	OW21
\$MODELNAME\$	PLOT DATE = 3/28/2013	DATE -	03-28-13	REVISED -	SC/	SCALE: NONE	SHEET	OF	6 SH	HEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		







- 1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" \times 44" (660mm \times 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm).
 ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

ERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD)		
L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
OUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH				
TYPE A - Signal Post	4'-0" (1.2m)				
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)				
TYPE D - CONTROLLER	4'-0" (1.2m)				
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SOUARE	4'-0'' (1.2m)				

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Ou) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
- 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm diameter foundations.
- 4. For most arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME =	USER NAME = gwhitten	DESIGNED - JRD	REVISED -		DISTRICT ONE	F.A.	SECTION	COUNTY	TOTAL SHEET
60W21-012-D1-Details.dgn		DRAWN - GW3	REVISED -	STATE OF ILLINOIS	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	VAR	2013-003-I	WILL	89 12
	PLOT SCALE = 1:1	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION		TS-	05	CONTRACT	T NO. 60W21
\$MODELNAME\$	PLOT DATE = 3/28/2013	DATE - 03-28-13	REVISED -		SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.		ILLINOIS FED. AI	ID PROJECT	

TRAFFIC SIGNAL LEGEND

	DT SCALE = 1:1 DT DATE = 3/28/2013	CH	RAWN - GW3 HECKED - KLB ATE - 03-28-13	REVISED REVISED REVISED	- DEPARTMENT	E OF ILLINOIS OF TRANSPO		SCALE: NON	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	VAR	2013-003- I TS-05	WILL 89 CONTRACT NO. 60V
E NAME = USI	ER NAME = gwhitten	DE	ESIGNED - JRD	REVISED	3175005 19504 P-5003-9005 EN-386194 (194-50) - 350007446 (196)				DISTRICT ONE	F.A RTE.	SECTION	COUNTY TOTAL SHEETS
/IRELESS ACCESS POINT		R		•	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		(1)	1	CROSSBUCK		75	*
RELESS DETECTOR SENSOR		RW	(W)	(W)	CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED			_5_	CROSSING GATE		X 0 X>	***
N. TILT, ZOOM CAMERA		R PTZ)	PTZD	PTZ	DENOTES NUMBER OF CONDUCTORS, ELECTRIC	, , , , , , , ,	ERR	RR	FLASHING SIGNAL		$\times \circ \times$	XOX
DEO DETECTION ZONE					RADIO REPEATER	R ERR	ERR		RAILROAD CANTILEYER MAST ARM	2	XOX X	XOX X
EO DETECTION CAMERA		^R ✓ 対	(V)	\bigcirc	RADIO INTERCONNECT	- - - - - - - - - - - - -	111+0		RAILROAD CONTROL CABINET		R R	
ROWAVE VEHICLE SENSOR		R MJ	DE D	M	PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		● C ★ D	₽ C ★ D			EXISTING	PROPOSED
FORMED DETECTOR LOOP			1-4 1-6	Р	12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID		*	*	RAILROAD	SYMBO	DLS	
FECTOR LOOP, TYPE I			[_]		INTERNATIONAL SYMBOL, OUTLINED				The same are a second and the second and sec		13	1-1
UMINATED SIGN O RIGHT TURN"		R	8		WALK/DON'T WALK SYMBOL 12" (300mm) PEDESTRIAN SIGNAL HEAD		(W)		(SYSTEM) DETECTOR PREFORMED SAMPLING (SYSTEM) DETECTOR		[PS]	PS
JMINATED SIGN LEFT TURN"		R	8	•	12" (300mm) PEDESTRIAN SIGNAL HEAD			"P"	PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETEC	TOR	PIS	PIS
CESSIBLE PEDESTRIAN PUSHBU	ITTON DETECTOR	R APS		APS			◆○	◆ Y ◆ G	PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECE EXISTING PREFORMED INTERSECTION LOOP DETECTOR	TOR	[PP]	
ESTRIAN PUSHBUTTON DETEC	TOR	R		•	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		G	G	EXISTING INTERSECTION LOOP DETECTOR	TOR	[P]	
ESTRIAN SIGNAL HEAD		R -	-0	-			R	R	SAMPLING (SYSTEM) DETECTOR		[5]	S
SHER INSTALLATION DENOTES SOLAR POWER)		O-D''F"	O-D"F"	● ►"F"			◆ ?	∢ Y ∢ G	INTERSECTION & SAMPLING (SYSTEM) DETECTOR		Is	IS
NAL HEAD OPTICALLY PROGRA	AMMED	R →	— >"p"	→ "P"	SIGNAL FACE			G	SIGNAL POST AND FOUNDATION TO BE REMOVED	RMF		
MBERS INDICATE THE CONSTR NAL HEAD WITH BACKPLATE		+R → R	+⊳	→ ²	TELLOW AND SHEEN TRAFFIC SIGNAL FACE		R	R	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED	RMF O–¤———		
NAL HEAD NAL HEAD CONSTRUCTION STA	ACES.	R A	\rightarrow	-	12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		R		FOUNDATION TO BE REMOVED	0		
WIRE		R	>	>-	12" (300mm) TRAFFIC SIGNAL SECTION		R	R	ALUMINUM MAST ARM POLE AND	RMF		
PORARY WOOD POLE (CLASS) TER) 45 FOOT (13.7m) MINIMU		^R ⊗	⊗	•	ABANDON ITEM	А			STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED	ORMF O		
NAL POST	_ 19421	RO	0	•	REMOVE ITEM RELOCATE ITEM	R RL			FOUNDATION TO BE REMOVED	KCF.		
EL COMBINATION MAST ARM SEMBLY AND POLE WITH PTZ	CAMERA		PIZN	PTZ	INTERSECTION ITEM		I	IP	(H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE CONTROLLER CABINET AND	RCF	111-0	^c ⊪•
EEL COMBINATION MAST ARM SEMBLY AND POLE WITH LUMIN	NAIRE	~~~~	0-12	• ×	COILABLE NONMETALLIC CONDUIT (EMPTY) SYSTEM ITEM		S	CNC S	GROUND ROD AT (C) CONTROLLER,		C _{II}	C. _{tl}
JMINUM MAST ARM ASSEMBLY	AND POLE	Q.	0		COMMON TRENCH			СТ	FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)		-	
EL MAST ARM ASSEMBLY AND) POLE	Č	0	•	TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	R			NO. 62.5/125, MM12F SM12F		(4.5)	(24)
EPHONE CONNECTION POLE OR (G) GROUND MOUNT		R	P	P	GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				NO. 62.5/125, MM12F FIBER OPTIC CABLE		-(24F)-	—(24F)—
RVICE INSTALLATION, POLE OR (G) GROUND MOUNT		-D ^R	-DP	<u>-</u> ■	JUNCTION BOX	R		•	NO. 18 3 PAIR TWISTED, SHIELDED FIBER OPTIC CABLE		—(12F)—	
NTERRUPTIBLE POWER SUPPLY	(UPS R	EUPS	MMC UPS	DOUBLE HANDHOLE	R			COPPER INTERCONNECT CABLE,		<u> </u>	<u>—6</u> —
TER CONTROLLER TER MASTER CONTROLLER			EMMC	MC	HEAVY DUTY HANDHOLE	R	H	H	VENDOR CABLE FOR CAMERA			_(v)
MUNICATIONS CABINET		C C R	E C C	CC	HANDHOLE	R			COAXIAL CABLE		<u> </u>	—©—
LROAD CONTROL CABINET			R R	▶◀	CONFIRMATION BEACON	R_{o-0}	0—()	••	2004/14 04915		d	
TROLLER CABINET		R			EMERGENCY VEHICLE LIGHT DETECTOR	R	∞	-	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			<u> </u>
M		REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED

SCHEDULE OF QUANTITIES IL 53 (BOLINGBROOK DR) AT BRIARCLIFF ROAD

UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN PUSH-BUTTON RELOCATE EXISTING SIGNAL HEAD EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN SIGNAL HEAD 8 EACH PEDESTRIAN PUSH-BUTTON

4 EACH TRAFFIC SIGNAL POST

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				T 0 T 11	

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096

FILE NAME

60W21-014-IL53(Bolingbrook Dr)@Briarclif

ENERGY SUPPLY - CONTACT: <u>ILYAS MOHTUDDIN</u> PHONE: <u>708-235-2692</u> COMPANY: COMED - BOLINGBROOK

PLOT DATE = 3/28/2013

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

03-28-13

DATE

CONSTRUCTION NOTE:

1 REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

EXISTING INTERCONNECT TO BEACONRIDGE DRIVE

2 AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING POST FOUNDATIONS. PRIOR TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER, THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE

NOTE: **→**②→ Z THE EXISTING LOCAL CONTROLLER IS AN ECONOLITE ASC/2S-1000 AND THE EXISTING MASTER CONTROLLER NUMBER OF GROUND MΑ IS AN ECONOLITE ASC/2M-1000, CABLES AS PER PLAN BOTH IN A TYPE V CABINET. EXISTING UPS UNIT LOCATED IN EXISTING CABINET. -EXISTING INTERCONNECT TO ROBINHOOD WAY Illinois Route 53 IL 53 -D-o-d_No. 20 NO. 6 ∟NO. € 1 2 (BOLINGBROOK DR) [lilinois Route 53 **≫.**□ ∩ @ 늨 **CABLE PLAN EXISTING** CONTROLLER SEQUENCE **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE **>**-②→ Z BOLINGBROOK DR) **LEGEND:** ◆ ▼ SINGLE ENTRY PHASE EXISTING EMERGENCY VEHICLE PREEMPTORS **4**−3− ◆*** DUAL ENTRY PHASE EMERGENC' (BOLINGBROOK DR) PREFMPTOR PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE MOVEMENT **EXISTING PHASE DESIGNATION DIAGRAM** GHA #4085-888

DESIGNED -REVISED DRAWN GW3 REVISED CHECKED KLB REVISED

REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

TOTAL SHEET NO. SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE VAR 2013-003-I WILL 89 14 IL 53 (BOLINGBROOK DR) AT BRIARCLIFF ROAD CONTRACT NO. 60W21 SHEETS STA. SHEET

SCHEDULE OF QUANTITIES JOLIET ROAD AT INTERNATIONALE PARKWAY

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
	WATT	AGE			
NO. LAMPS	INCAND.	L.E.D.	OPERATION		
20	135	17	0.50	170.0	
20	135	25	0.25	125.0	
20	135	15	0.25	75.0	
12	135	12	0.10	14.47	
-	90	25	1.00	-	
1	-	100	1.00	100.0	
-	-	250	0.50	-	
-	-	64	0.50	-	
-	-	150	1.00	-	
1	-	25	1.00	25.0	
-	-	25	0.05	-	
			TOTAL =	509.4	
	NO. LAMPS 20 20 20 12 - 1 - 1 - 1	NO. LAMPS INCAND. 20 135 20 135 20 135 20 135 12 135 1- 90 1 1 1 1 1	WATTAGE NO. LAMPS INCAND. L.E.D.	WATTAGE NO. LAMPS INCAND. L.E.D. OPERATION	

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: ILYAS MOHIUDDIN
PHONE: 708-235-2692
COMPANY: COMED - BOLINGBROOK FILE NAME = USER NAME = gwhitten DESIGNED - JRD REVISED 60W21-015-Joliet Rd@Internationale Pkw DRAWN GW3 REVISED CHECKED -KLB REVISED DATE PLOT DATE = 3/28/2013 03-28-13 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE JOLIET ROAD AT INTERNATIONALE PARKWAY OF SHEETS STA. SHEET

COUNTY SHEET NO.

WILL 89 15

CONTRACT NO. 60W21 RTE. VAR 2013-003-I

JOLIET NO. 6 EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS EXISTING INTERCONNECT TO BLUFF ROAD	TANATIONAL CALL		EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS ROAD NO. 6 ROAD NO. 6
<u>E</u> Control	KISTING LER SEQUENCE		AN ECONOLITE ASC/2S-1000 IN A TYPE IV CABINET.
OVERLAP PERMISSIVE PROTECTED LETTER PHASE PHASE A = 2 + 3 C = 6 + 7 D = 8 + 1 EXISTING PHASE	OL OVERLAP	-3- -3-	
	SCHEDULE OF QUANTITIES, CABLE F	PLAN, PHASE DESIGNATION F.A	E. SECTION COUNTY TOTAL SHEE SHEETS NO.

SCHEDULE OF QUANTITIES IL 53 (BOLINGBROOK DR) AT BOUGHTON ROAD

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PEDESTRIAN PUSH-BUTTON, NON-LATCHING

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE

6 EACH PEDESTRIAN PUSH-BUTTON

TRAFI ELECTRI	TOTAL WATTAGE					
		WATTAGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	18	135	17	0.50	153.0	
SIGNAL (YELLOW)	18	135	25	0.25	112.5	
SIGNAL (GREEN)	18	135	15	0.25	67.5	
ARROW	24	135	12	0.10	28.8	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	4	-	64	0.50	128.0	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
				TOTAL =	814.8	

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096

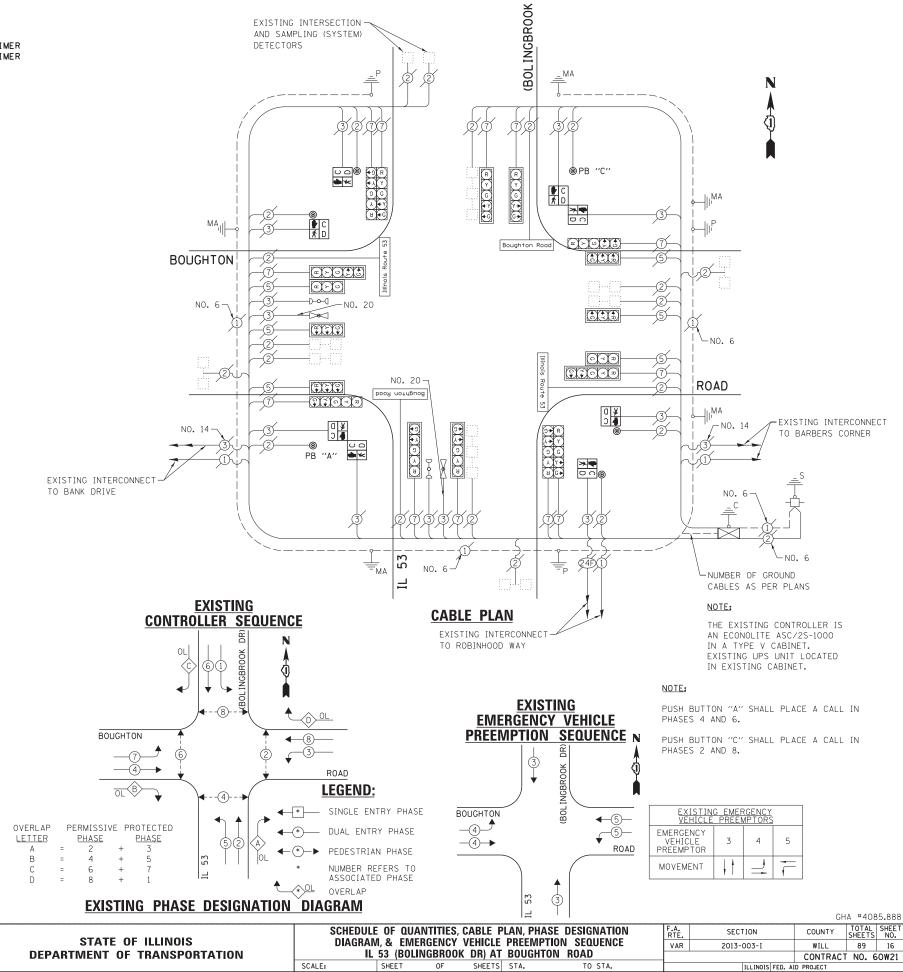
ENERGY SUPPLY - CONTACT: <u>ILYAS MOHTUDDIN</u>
PHONE: <u>708-235-2692</u>

FILE NAME

COMPANY: COMED - BOLINGBROOK

REVISED DESIGNED - JRD 60W21-016-IL53(Bolingbrook Dr)@Boughto DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



DR)

EXISTING INTERSECTION -

AND SAMPLING (SYSTEM)

DETECTORS

TS #7651

SECTION

2013-003-I

VAR

COUNTY

WILL

89 17

CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES IL 53 (BOLINGBROOK DR) AT ROBINHOOD WAY

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
5.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIM
6.	3	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIM
7.	10	EACH	RELOCATE EXISTING SIGNAL HEAD
8.	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM. DETECTOR UNIT
9.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EOUIPMENT
10.	5	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

CONSTRUCTION NOTE:

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE
- ② REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- 4 AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION ACCEPIABLE. IF THE EXISTING ANCHOR BOLT CONDITION
 IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST
 SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE
 CONTRACTOR HAS VERIFIED THE CONDITION OF THE
 ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR
 SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL
 POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

PHASES 2 AND 8.

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

- "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- 3 REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS AND EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT ON NEW 18 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- PROVIDED.

ELECTRI	WATTAGE				
		WATTAGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	4.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY

THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED

EQUIPMENT SHALL BE REFLECTED IN THE

2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

TRAFFIC SIGNAL INSTALLATION

5 EACH PEDESTRIAN PUSH-BUTTON 6 EACH TRAFFIC SIGNAL POST

EACH PEDESTRIAN SIGNAL HEAD, 2-FACE

CONTRACT BID PRICE.

FILE NAME

60W21-017-IL53(Bolingbrook Dr)@Robinho

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: ILYAS MOHIUDDIN
PHONE: 708-235-2692

COMPANY: COMED - BOLINGBROOK

TOTAL =

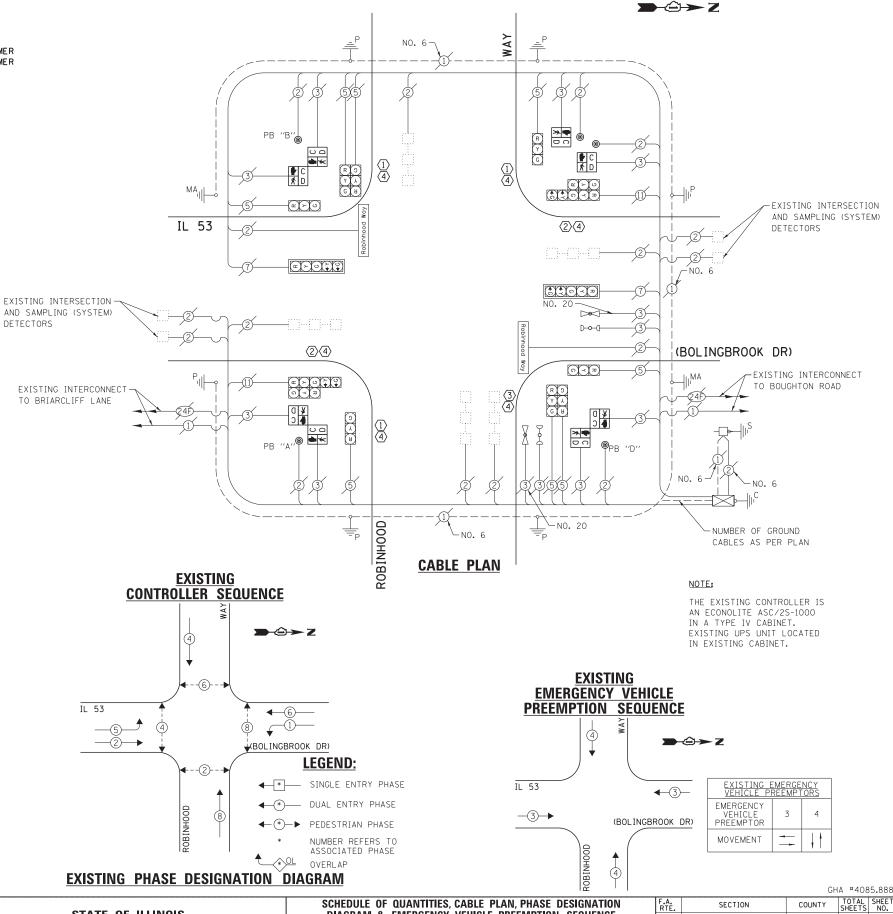
388.6

DESIGNED - JRD REVISED DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 REVISED DATE 03-28-13

PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

PUSH BUTTON "D" SHALL PLACE A CALL IN

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL 53 (BOLINGBROOK DR) AT ROBINHOOD WAY

SHEET

SHEETS STA.

CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES

IL 53 (BOLINGBROOK DR) AT LEE LANE / NORTHRIDGE AVENUE

NO. QUANT. UNIT

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4 EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

5 EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE

4 EACH PEDESTRIAN PUSH-BUTTON

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	13	135	17	0.50	110.5
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	20	135	12	0.10	24.0
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	2	-	64	0.50	64.0
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	653.5				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096

FILE NAME

60W21-018-IL53(Bolinabrook Dr)@Lee Ln-No

ENERGY SUPPLY - CONTACT: ILYAS MOHIUDDIN PHONE: 708-235-2692

COMPANY: COMED - BOLINGBROOK

PLOT DATE = 3/28/2013

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

DESIGNED -

DRAWN

DATE

CHECKED

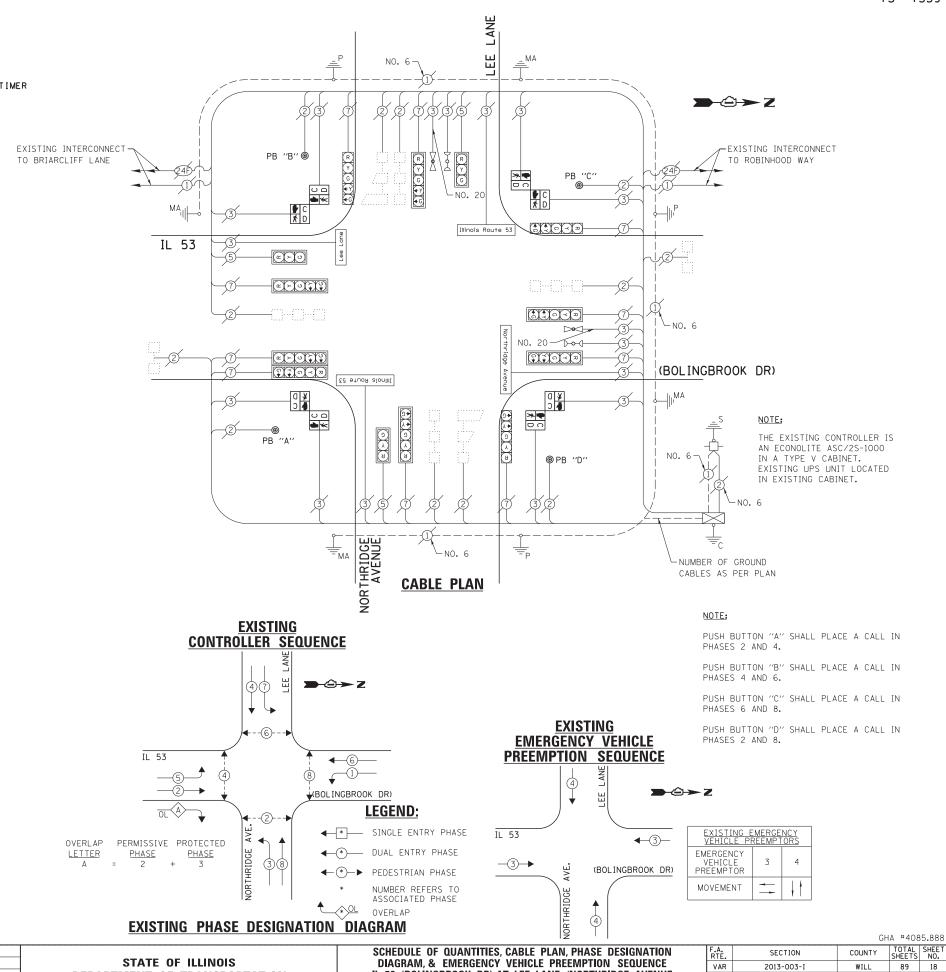
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REVISED

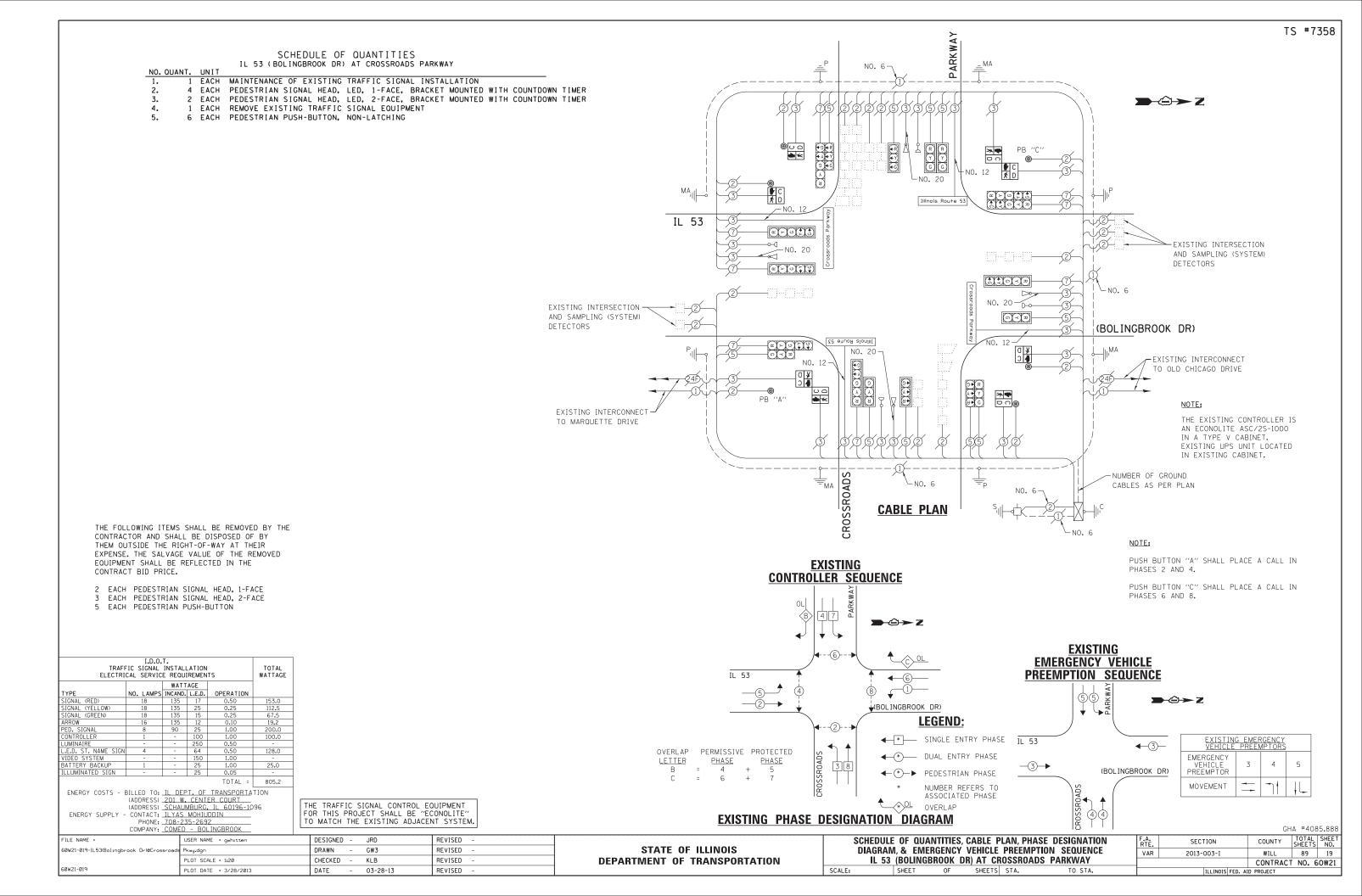
REVISED

DEPARTMENT OF TRANSPORTATION



IL 53 (BOLINGBROOK DR) AT LEE LANE / NORTHRIDGE AVENUE

SHEETS STA.



SCHEDULE OF QUANTITIES IL 53 (BOLINGBROOK DR) AT BEACON RIDGE DR

			IL 33 (BOLINOBROOK BR) AT BEACON RIBOL BR
NO.	. QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
3.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
4.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	2	EACH	PEDESTRIAN PUSH-BUTTON
6.	4	EACH	RELOCATE EXISTING SIGNAL HEAD
7.	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
8.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

CONSTRUCTION NOTE:

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEAD AND EXISTING CONFIRMATION BEACON UNIT (TO BE PAID FOR AS RELOCATED EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT) ON NEW 18 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE (2) FOUNDATION AND EXISTING CABLES.
- REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CARLES.
- (3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS, PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE, IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER, THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH TRAFFIC SIGNAL POST

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	2	90	25	1.00	50.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	443.6

ENERGY COSTS - BILLED TO: <u>IL DEPT. OF TRANSPORTATION</u>
(ADDRESS) <u>201 W. CENTER COURT</u>
(ADDRESS) <u>SCHAUMBURG.</u> IL 60196-1096

(ADDRESS) SCHAUMBURG, IL 60196-109

ENERGY SUPPLY - CONTACT: ILYAS MOHIUDDIN
PHONE: 708-235-2692

COMPANY: COMED - BOLINGBROOK

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

→②→ Z IL 53 NO. 20 NO. 6 NO. 20 -(BOLINGBROOK DR) -EXISTING INTERCONNECT EXISTING INTERCONNECT TO BRIARCLIFF LANE TO LILY CACHE LANE (Y) NUMBER OF GROUND CABLES AS PER PLAN BEACONRIDGE **CABLE PLAN** THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 **EXISTING** IN A TYPE IV CABINET. ż **CONTROLLER SEQUENCE** EXISTING UPS UNIT LOCATED IN EXISTING CABINET. **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE (BOLINGBROOK DR) **LEGEND**: EMERGENCY VEHICLE PREEMPTORS IL 53 **4**−3− ◆ → DUAL ENTRY PHASE EMERGENCY _3→ (BOLINGBROOK DR) ◆
(*)

PEDESTRIAN PHASE PREFMPTOR NUMBER REFERS TO ASSOCIATED PHASE MOVEMENT **EXISTING PHASE DESIGNATION DIAGRAM** GHA #4085.888 TOTAL SHEET NO. SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY

DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL 53 (BOLINBROOK DR) AT BEACONRIDGE DRIVE

SHEETS STA.

VAR

2013-003-I

WILL

89 20

CONTRACT NO. 60W21

DRIVE

NO. 6-

COMPANY: <u>COMED - BOLINGBROOK</u>					
FILE NAME =	USER NAME = gwhitten	DESIGNED -	JRD	REVISED -	
60W21-020-1L53(Bolingbrook Dr)@Beaconrid	ge Dr.dgn	DRAWN -	GW3	REVISED -	
	PLOT SCALE = 1:20	CHECKED -	KLB	REVISED -	
60w21-020	PLOT DATE = 3/28/2013	DATE -	03-28-13	REVISED -	

SCHEDULE OF QUANTITIES IL 53 (BOLINGBROOK DR) AT LILY CACHE LANE

QUANI.	UNII	
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST. GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST. GALVANIZED STEEL 18 FT.
3	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
	1 2 1 3 1	2 EACH 1 EACH 3 EACH 1 EACH

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH TRAFFIC SIGNAL POST

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	13	135	17	0.50	110.5
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	470 3				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: ILYAS MOHIUDDIN
PHONE: 708-235-2692 COMPANY: COMED - BOLINGBROOK

FILE NAME

(1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEAD ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING

CONSTRUCTION NOTE:

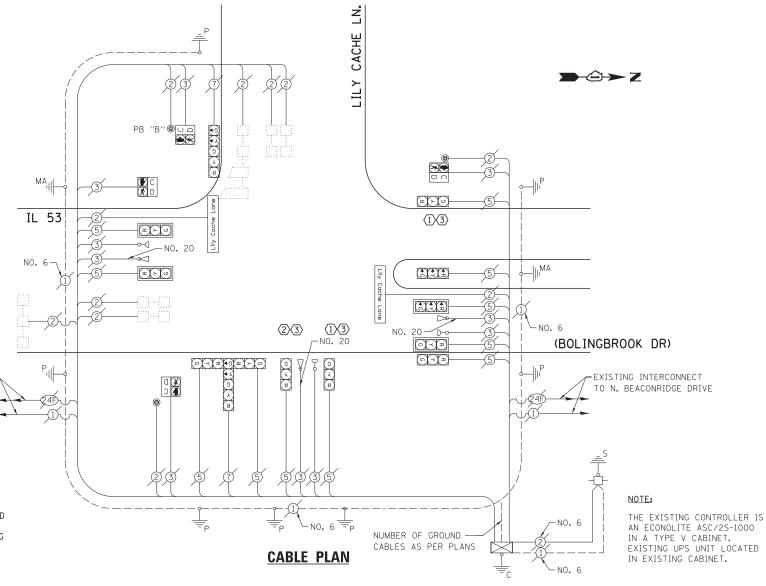
EXISTING INTERCONNECT

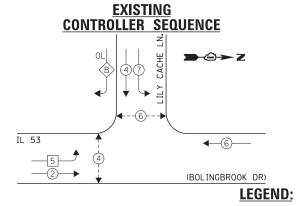
TO REMINGTON BOULEVARD

(2) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM UNIT ON NEW 18 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

(3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.





* SINGLE ENTRY PHASE ◆ * DUAL ENTRY PHASE ◆
(*)

PEDESTRIAN PHASE

(BOLINGBROOK DR) NUMBER REFERS TO ASSOCIATED PHASE

PREEMPTION SEQUENCE 4-4-EMERGENC' PREFMPTOR

PUSH BUTTON "B" SHALL PLACE A CALL IN

PHASES 4 AND 6.

EXISTING

EMERGENCY VEHICLE

OVERLAP OVERLAP **EXISTING PHASE DESIGNATION DIAGRAM**

PERMISSIVE PROTECTED

<u>PHASE</u>

<u>PHASE</u>

LETTER

GHA #4085.888

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION STATE OF ILLINOIS DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE **DEPARTMENT OF TRANSPORTATION** IL 53 (BOLINGBROOK DR) AT LILY CACHE LANE SHEETS STA. SHEET

TOTAL SHEET NO. SECTION COUNTY VAR 2013-003-I WILL 89 21 CONTRACT NO. 60W21

MOVEMENT

DESIGNED - JRD REVISED 60W21-021-IL53(Bolingbrook Dr)@Lily Cache DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

SCHEDULE OF QUANTITIES IL 53 (BOLINGBROOK DR) AT OLD CHICAGO DRIVE

NO. QUANT. UNIT MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION TRAFFIC SIGNAL POST. GALVANIZED STEEL 16 FT. RELOCATE EXISTING SIGNAL HEAD 1 EACH 3 EACH EACH

1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR

EXPENSE. THE SALVAGE VALUE OF THE REMOVED

EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH TRAFFIC SIGNAL POST

I.D.O.T.

TRAFI ELECTRI	TOTAL WATTAGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	440.2

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096

PLOT DATE = 3/28/2013

ENERGY SUPPLY - CONTACT: <u>ILYAS MOHTUDDIN</u> PHONE: <u>708-235-2692</u> COMPANY: COMED - BOLINGBROOK

FILE NAME

60W21-022-IL53(Bolingbrook Dr)@01d Chi

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

JRD

GW3

KLB

03-28-13

DESIGNED -

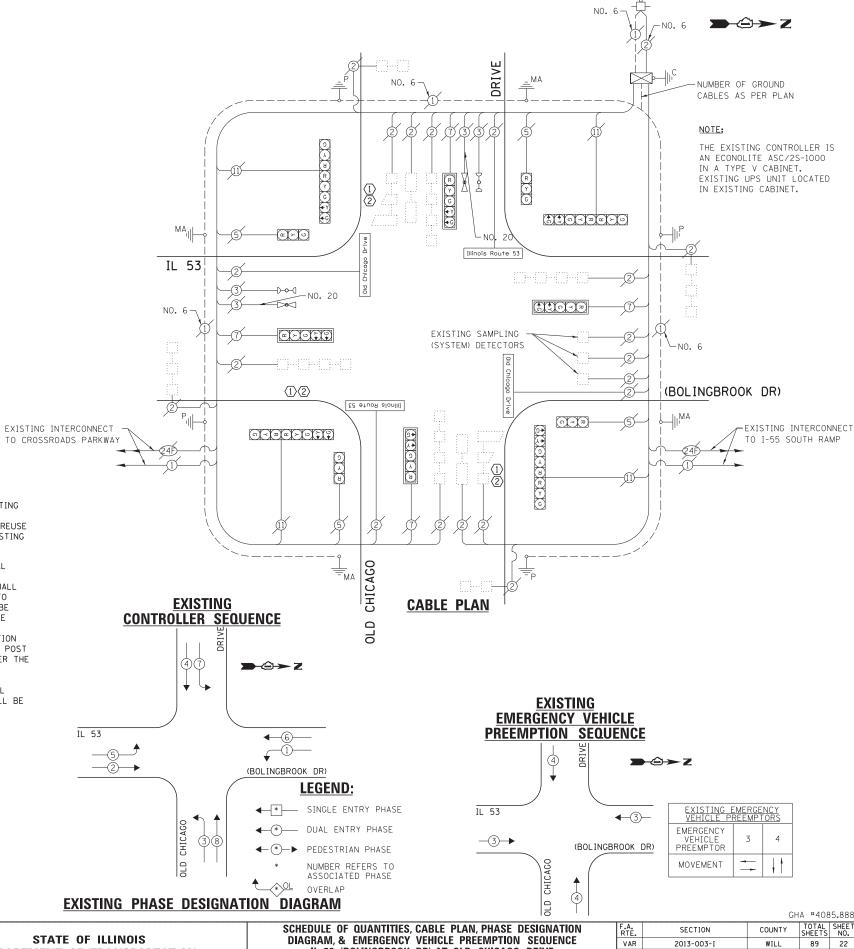
DRAWN

DATE

CHECKED

CONSTRUCTION NOTE:

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING
- (2) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED. THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.



REVISED REVISED REVISED REVISED

DEPARTMENT OF TRANSPORTATION

IL 53 (BOLINGBROOK DR) AT OLD CHICAGO DRIVE SHEETS STA. SHEET

2013-003-I 89 22 CONTRACT NO. 60W21

TS #22505

SCHEDULE OF QUANTITIES BRIGGS STREET AT WASHINGTON STREET

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4.	6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
5.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
6.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
7.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
8.	4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TI
9.	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10.	8	EACH	PEDESTRIAN PUSH-BUTTON
11.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
12.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
13.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH TRAFFIC SIGNAL HEAD, 3-SECTION, 1-FACE
- 4 EACH TRAFFIC SIGNAL HEAD, 5-SECTION, 1-FACE
- EACH TRAFFIC SIGNAL BACKPLATE
- EACH TRAFFIC SIGNAL POST
- 4 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 8 EACH PEDESTRIAN PUSH-BUTTON

TRAFI ELECTRI	TOTAL WATTAGE									
		WATTAGE								
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION						
SIGNAL (RED)	12	135	17	0.50	102.0					
SIGNAL (YELLOW)	12	135	25	0.25	75.0					
SIGNAL (GREEN)	12	135	15	0.25	45.0					
ARROW	8	135	12	0.10	9.6					
PED. SIGNAL	8	90	25	1.00	200.0					
CONTROLLER	1	-	100	1.00	100.0					
LUMINAIRE	-	-	250	0.50	-					
L.E.D. ST. NAME SIGN	-	-	64	0.50	-					
VIDEO SYSTEM	-	-	150	1.00	-					
BATTERY BACKUP	1	-	25	1.00	25.0					
ILLUMINATED SIGN	-	-	25	0.05	-					
				TOTAL =	556.6					

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

FILE NAME

60W21-023-Briggs St@Washington St.dgr

(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED

JSER NAME = qwhitten

PLOT DATE = 3/28/2013

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

REVISED

REVISED

REVISED

REVISED

DESIGNED - JRD

DRAWN

DATE

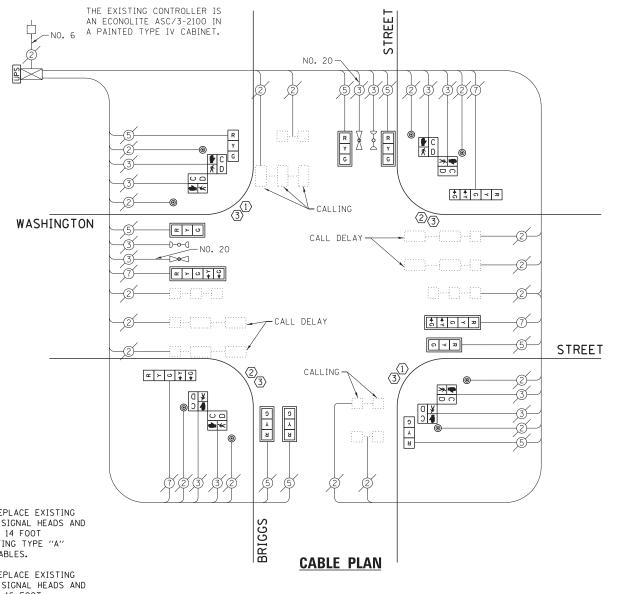
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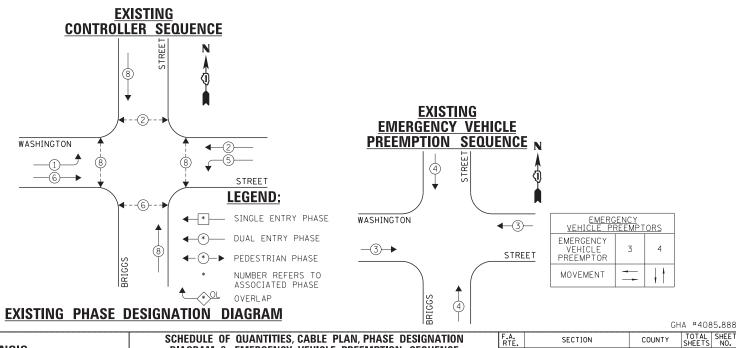
1 REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

CONSTRUCTION NOTE:

(2) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

(3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.





SECTION

2013-003-I

VAR

COUNTY

WILL

89 23

CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION

DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE

WASHINGTON STREET AT BRIGGS STREET

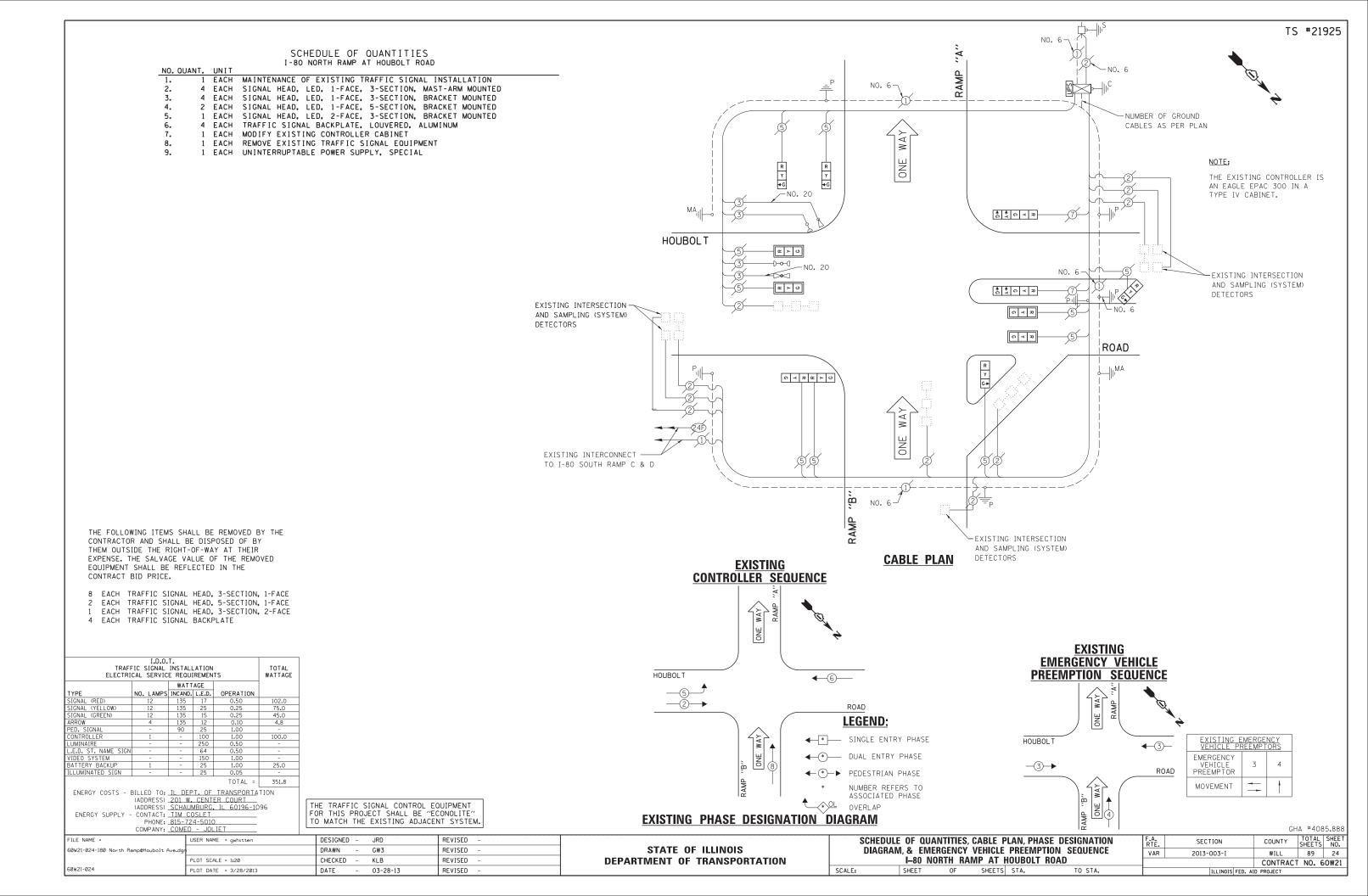
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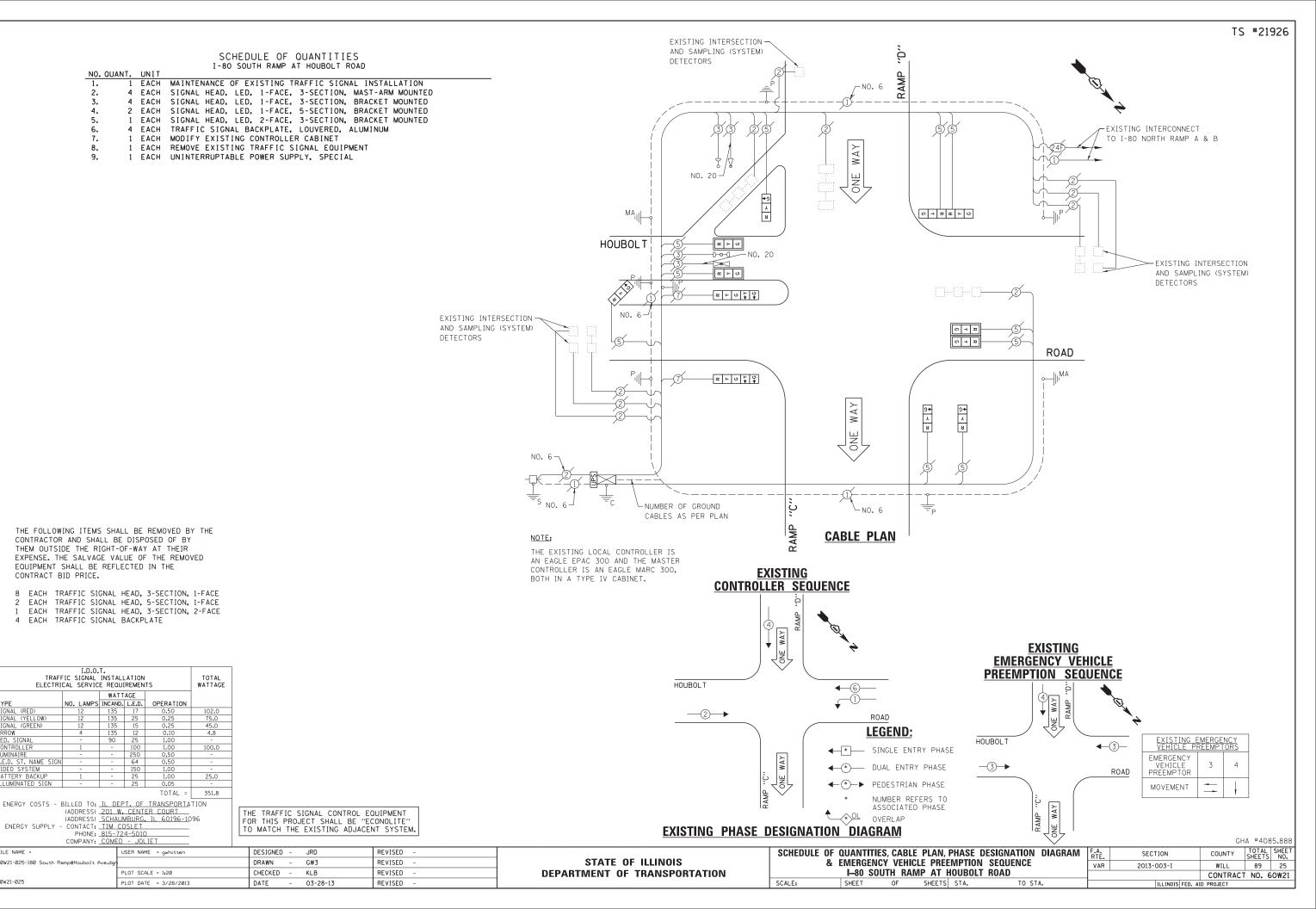
SHEETS STA.

SHEET

DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS





NO. QUANT.

CONTRACT BID PRICE.

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

NO. LAMPS INCAND. L.E.D.

COMPANY: COMED - JOLIE

FILE NAME

60W21-025-I80 South Ramp@Houbolt Ave

LINIT

SCHEDULE OF QUANTITIES IL 171 (COLLINS ST) AT COLUMBIA STREET

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	5	EACH	RELOCATE EXISTING SIGNAL HEAD
4.	5	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
5.	5	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
6.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
7.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

CONSTRUCTION NOTE:

 $\stackrel{\textstyle \longleftarrow}{}$ REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

COLUMBIA

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

12

- POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE
- 3 THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH TRAFFIC SIGNAL POST

T D O T

TRAFI ELECTRI	TOTAL WATTAGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL -	E 47.0

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

USER NAME = gwhitten

PLOT DATE = 3/28/2013

(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED

FILE NAME

60W21-026-IL171(Collins St)@Columbia St

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

DESIGNED - JRD

DRAWN

DATE

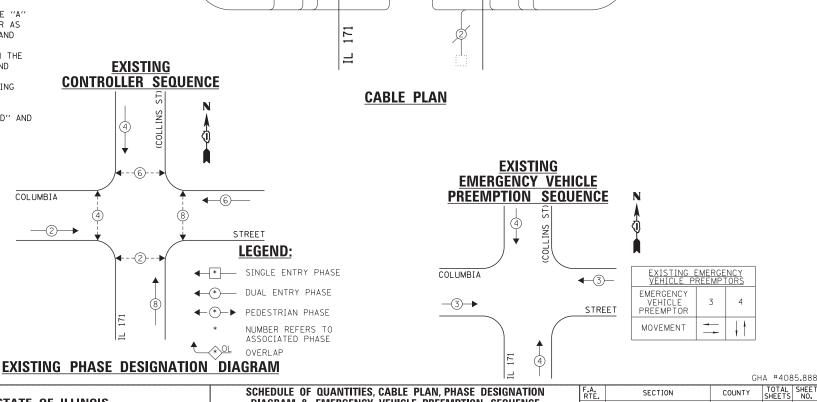
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DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL 171 (COLLINS ST) AT COLUMBIA STREET

OF

SHEETS STA.

ST)

(COLLINS

2" UNDERGROUND CONDUIT, -

GALVANIZED STEEL

 \triangleright

(1)(2)

033

VAR

2013-003-I

WILL

89 26

CONTRACT NO. 60W21

TS #22557

(3)

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2100 IN

A TYPE IV CABINET.

NOTE:

STREET

SCHEDULE OF QUANTITIES IL 171 (COLLINS ST) AT OHIO STREET

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	5	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	5	EACH	RELOCATE EXISTING SIGNAL HEAD
4.	5	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
5.	5	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
6.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
7.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8.	1	EACH	UNINTERRUPTABLE POWER SUPPLY. SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

5 EACH TRAFFIC SIGNAL POST

TRAFF ELECTRI	TOTAL WATTAGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	8	135	17	0.50	68.0
SIGNAL (YELLOW)	8	135	25	0.25	50.0
SIGNAL (GREEN)	8	135	15	0.25	30.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	473.0

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

USER NAME = gwhitten

PLOT DATE = 3/28/2013

(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED

FILE NAME :

60W21-027-19-IL171(Collins St)@Ohio St.c

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

DESIGNED - JRD

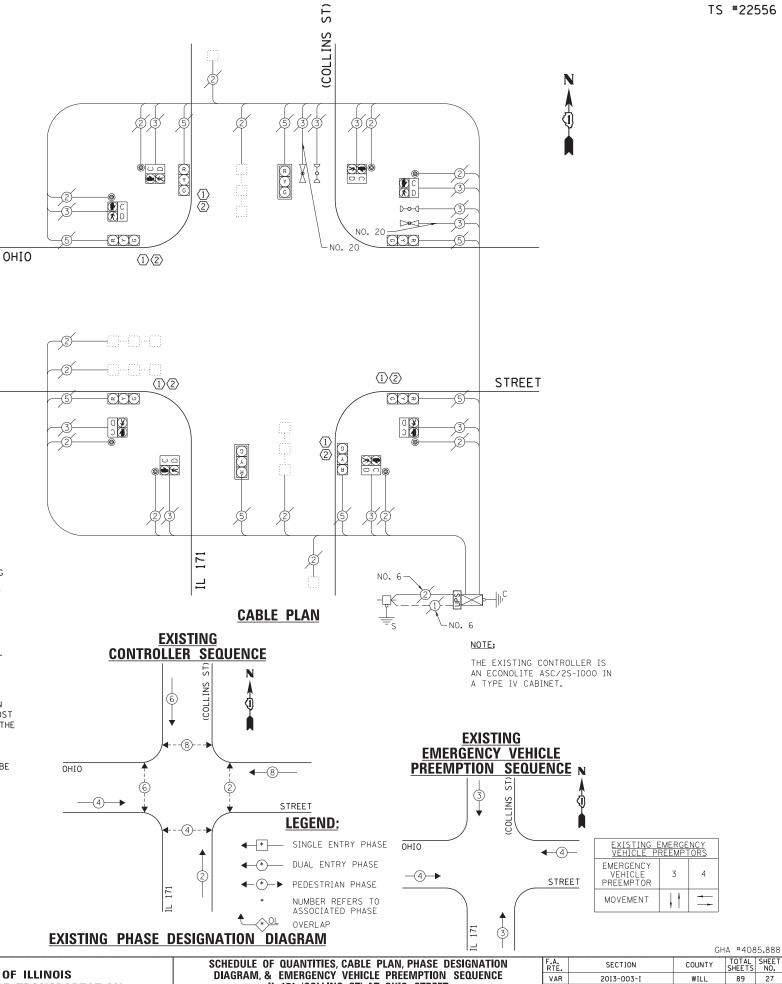
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DATE

CHECKED

CONSTRUCTION NOTE:

- $\stackrel{\textstyle <}{\text{\em (1)}}$ REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- 2 AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.



IL 171 (COLLINS ST) AT OHIO STREET

OF SHEETS STA.

SHEET

CONTRACT NO. 60W21

REVISED

REVISED

REVISED

REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/3-2100 IN A TYPE IV CABINET.

SCHEDULE OF QUANTITIES IL 53 (BROADWAY ST) AT INGALLS AVENUE

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

CONSTRUCTION NOTE:

(I) INSTALL UNINTERRUPTABLE POWER SUPPLY (UPS) ON LEFT SIDE OF THE EXISTING CONTROLLER

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	551.8

USER NAME = gwhitten

PLOT DATE = 3/28/2013

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED - JOLIET

FILE NAME =

60W21-028-IL53(Broadway St)@Ingalls Ave

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

REVISED

REVISED

REVISED

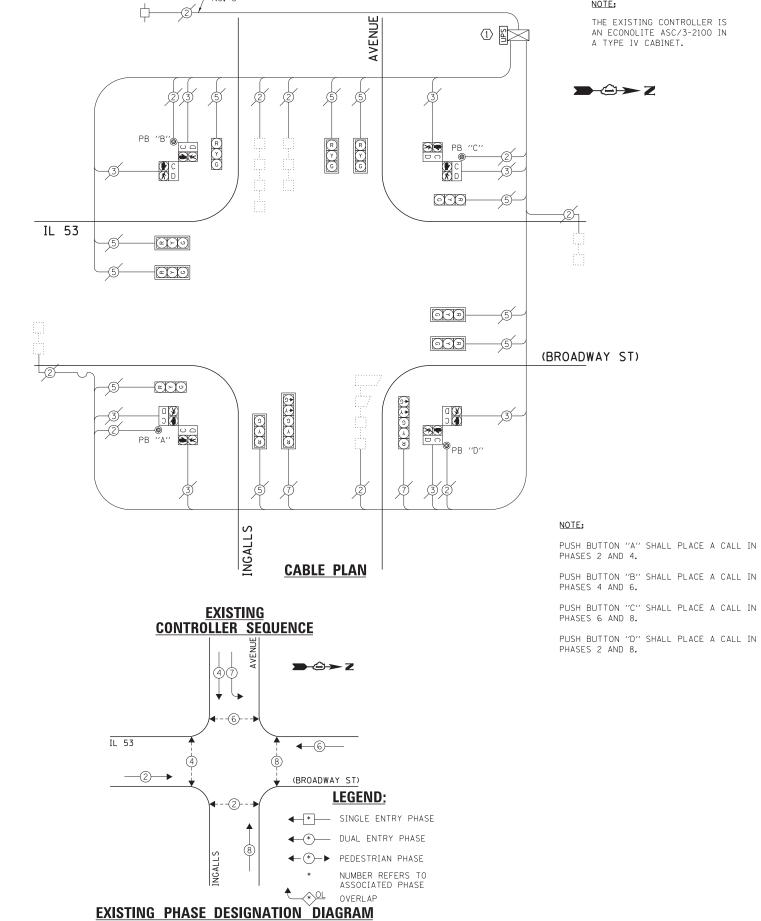
REVISED

DESIGNED - JRD

DRAWN

DATE

CHECKED



GHA #4085.888

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM TOTAL SHEET NO. 89 28 SECTION COUNTY STATE OF ILLINOIS VAR 2013-003-I WILL **DEPARTMENT OF TRANSPORTATION** IL 53 (BROADWAY ST) AND INGALLS AVENUE CONTRACT NO. 60W21 OF SHEETS STA.

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IL 53 (BROADWAY

NO. 20-

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NO. 20

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RUBY ST.

NO. 20-

F QUANTITIES ST) AT RUBY STREET SCHEDULE OF 53 (BROADWAY SI

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
CONTROLLER CABINET TYPE 1V
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
RELOCATE EXISTING SIGNAL HEAD
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
UNINTERRUPTABLE POWER SUPPLY, SPECIAL
INDUCTIVE LOOP DETECTORS
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH EACH EACH EACH EACH EACH OUANT. Š.

CONSTRUCTION NOTE;

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 10 FOOT PAINTED POST. INSTALL EXISTING PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS ON NEW 10 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES. \bigcirc

IL 53 (RUBY ST)

(d)

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(3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING PRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE, THE EXISTING ANCHOR BOLT SIS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED ATTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED. \bigcirc

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-2100 IN A PAINTED TYPE IV CABINET.

NO TE;

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

NOTE;

CABLE PLAN

PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

SINGLE ENTRY PHASE DUAL ENTRY PHASE ←(*)→ PEDESTRIAN PHASE LZ YAWQAOAB LEGEND SEE NOTE IL 53 (RUBY ST) * * EXISTING CONTROLLER SEQUENCE —@—► ILL RT YAWQAOAB) .T2 YAWQAOA8 RUBY ST. (d) 1. OVERLAP D IS A CONTINUOUS RIGHT ARROW AND SHALL BE TERMINATED WHEN A CALL IS PLACED TO PUSH BUTTON "A".

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EXISTING

<u>></u>

TRAFFIC SIGNAL POST CONTROLLER CABINET TYPE

EACH EACH

7 -

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

: JOLIET																	1 1 4 C F	FOR THIS P	TO MATCH	
Ö																	Ľ	- ш		┚╽
THE CITY	TOTAL			110.5	87.25	48.75	24.0	200.0	100.0	-			25.0	1	589.5	TION		960		
ID FOR BY	75		OPERATION	0.50	0.25	0.25	0.10	1.00	1.00	0.50	0.50	1.00	1.00	90.0	TOTAL =	TRANSPORTA	9	IL 60196-1096		T
PA	AT ION EMEN	핑	L.E.D.	17	25	15	12	25	100	250	64	150	25	25		. OF	CENT	BURG 1	-5010	JOL IE
ALL BE	T. INSTALL E REOUIF	WATTAGE	INCAND.	135	135	135	135	90				1				IL DEPT	201 W.	SCHAUMBURG		COMED-
COST SH	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS		NO. LAMPS INCAND. L.E.D.	13	13	13	20	œ				1	1			SILLED TO:	(ADDRESS)	(ADDRESS) SCHAUMBURG, IL	PHONE	COMPANY: COMED-JOLIET
*100% OF THE COST SHALL BE PAID FOR BY THE CITY OF JOLIET	TRAFF ELECTRIO		TYPE	SIGNAL (RED)	SIGNAL (YELLOW)	SIGNAL (GREEN)	ARROW	PED. SIGNAL	CONTROLLER	LUMINAIRE	L.E.D. ST. NAME SIGN	VIDEO SYSTEM	BATTERY BACKUP	ILLUMINATED SIGN		ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION		- VIGBOV CLIBBIN		

960	HE TRAFFIC S OR THIS PROJO O MATCH THE	CONTROL ECSHALL BE "ECSTING ADJACEN	UIPMENT ONOLITE" IT SYSTEM.
USER NAME = gwhitten	DESIGNED -	JRD	REVISED -
	DRAWN -	GW3	REVISED -
PLOT SCALE = 1:20	CHECKED -	KLB	REVISED -
PLOT DATE = 3/29/2013	DATE -	03-28-13	REVISED -

60W21-029-1L53(Br

60W21-029

NAME

JILE

	SCHEDNIE	OF QUANTI	TIES, CABLE F	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
STATE OF ILLINOIS	DIAGRAN	1, & EMERGE	NCY VEHICLE	JIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEPARTMENT OF TRANSPORTATION		IL 53 (BROA	DWAY ST) AN	IL 53 (BROADWAY ST) AND RUBY STREET
	SCALE	SHEET	OF SHEETS	SHEETS STA. TO STA.

GHA #4085,888

EMERGENCY VEHICLE PREEMPTOR

IL 53 (RUBY ST)

d

RUBY ST,

4

TA JII YAWQAOAB)

∞→

MOVEMENT

←∞

TS YAWQAOAB

NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP

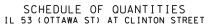
EXISTING PHASE DESIGNATION DIAGRAM

COUNTY

WILL 89 29 CONTRACT NO. 60W21

2013-003-I SECTION

F.A. RTE. VAR



NO. QUANT. UNIT

1. 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2. 1 EACH UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

CONSTRUCTION NOTE:

THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

D IN THE NOTE INCLUDING EXISTING INTERCONNEC NT SHALL BE TO VAN BUREN STREET M DUND MOUNTED" AND FROVIDED.		NO. 20 EXISTING INTERSECT		NOTE:			
EXISTING CONTROLLER SEQUENCE Solve of the sequence of the seq	<u>c</u>	and sampling (sys: detectors ABLE PLAN	TEM)	PUSH BUTTON 'PHASES 6 AND	'C'' SHALL PLACE 8.	A CALL IN	
	IREET L EGEND:		EXISTING IERGENCY VI EMPTION SE	EHICLE			
mg ← ③	SINGLE ENTRY PHASE DUAL ENTRY PHASE PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE OVERLAP GRAM	CLINTON —(4)		STREET	EXISTING EME VEHICLE PREE EMERGENCY VEHICLE PREEMPTOR MOVEMENT	MPTORS 4	* 4085.888
STATE OF HUMOIS	SCHEDULE OF QUANTITIE			F.A. RTE.	SECTION	COUNTY S	OTAL SHEET HEETS NO.

53

TRAFF ELECTRI	TOTAL WATTAGE					
		WATT				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	7	135	17	0.50	59.5	
SIGNAL (YELLOW)	7	135	25	0.25	43.75	
SIGNAL (GREEN)	7	135	15	0.25	26.25	
ARROW	4	135	12	0.10	4.8	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	-	-	64	0.50	-	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
TOTAL -						

ENERGY COSTS - BILLED TO: <u>IL DEPT, OF TRANSPORTATION</u>
(ADDRESS) <u>201 W. CENTER COURT</u>
(ADDRESS) <u>SCHAUMBURG, IL 60196-1096</u>
ENERGY SUPPLY - CONTACT: <u>TIM COSLET</u>
PHONE: <u>815-724-5010</u>
COMPANY: <u>COMED - JOLIET</u>

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 53 SB (OTTAWA ST) AT CLINTON STREET

SHEET OF SHEETS STA. TO STA.

ST)

COTTAWA

300

(C)(Z)(Z)

EXISTING INTERCONNECT

TO CASS STREET

CLINTON

NO. 20

TS #22539

−2" UNDERGROUND CONDUIT, GALVANIZED STEEL

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2000 IN

A PAINTED TYPE III CABINET.

NOTE:

-NO. 20

STREET

SCHEDULE OF QUANTITIES IL 53 (OTTAWA ST) AT WASHINGTON STREET

NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET

EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	9	135	17	0.50	76.5
SIGNAL (YELLOW)	9	135	25	0.25	56.25
SIGNAL (GREEN)	9	135	15	0.25	33.75
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	491.5				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: B15-724-5010 COMPANY: COMED -

USER NAME = gwhitten

PLOT DATE = 3/28/2013

FILE NAME :

60W21-031-IL53(Ottawa St)@Washington S

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

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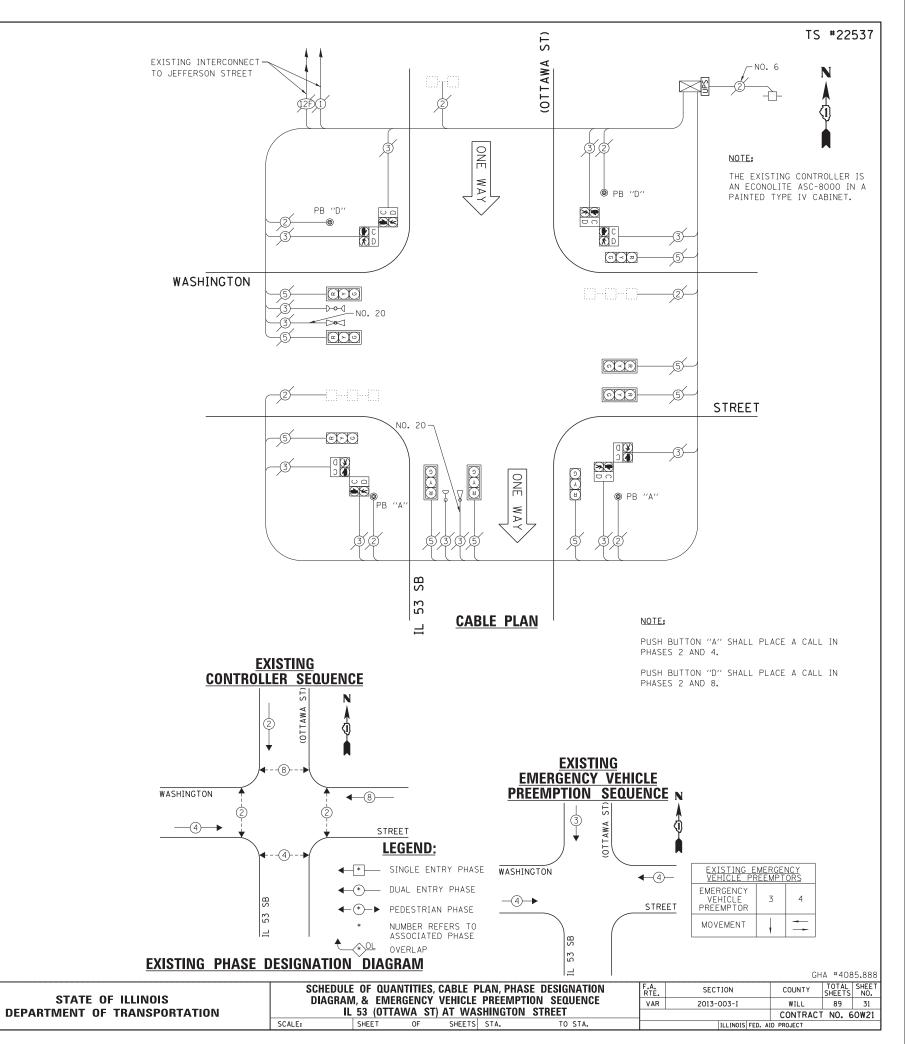
REVISED

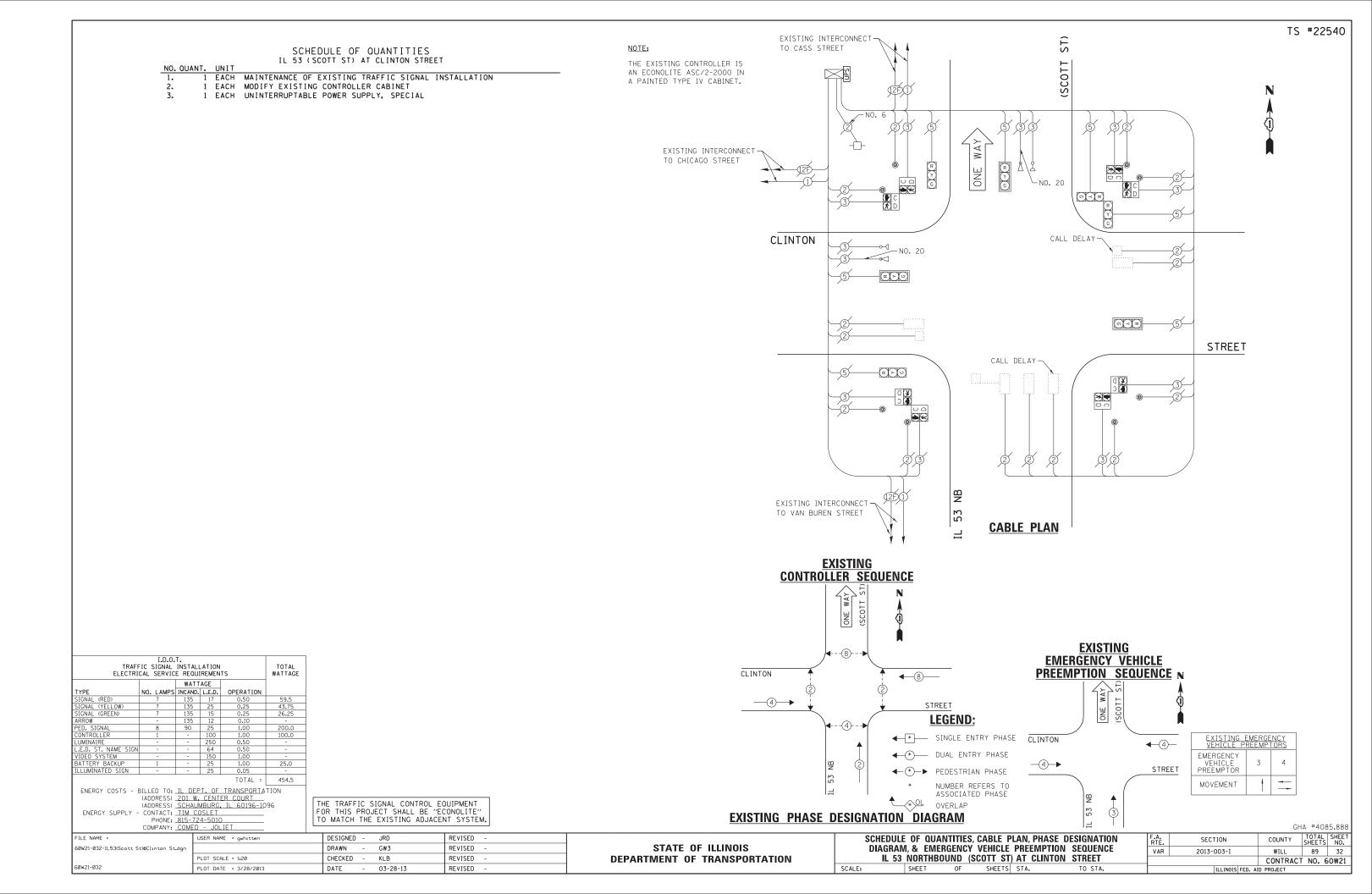
DESIGNED - JRD

DRAWN

DATE

CHECKED





ST)

(SCOTT

SCHEDULE OF QUANTITIES
IL 53 (SCOTT ST) AT VAN BUREN STREET

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET

EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

CONSTRUCTION NOTE:

 $\begin{tabular}{lllll} \hline \end{tabular} \begin{tabular}{lllll} \hline \end{tabular} \begin{tabular}{llllll} \hline \end{tabular} \begin{tabular}{lllll} \hline \end{tabular} \begin{tabular}$

	I.D.O.				
TRAFF	TOTAL				
ELECTRI	WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	7	135	17	0.50	59.5
SIGNAL (YELLOW)	7	135	25	0.25	43.75
SIGNAL (GREEN)	7	135	15	0.25	26.25
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	454.5

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

<u>EXI</u> CONTROLLE	STING Er sequence	EXISTING INTERCONNECT — TO JEFFERSON STREET
<u></u>	SCOTT ST)	
VAN BUREN (2)	★ 8 - 2	
4	* 5	STREET
4	·(4) -	<u>LEGEND:</u>
	→ *	SINGLE ENTRY PHASE
		DUAL ENTRY PHASE
SB SB	② ←*->	PEDESTRIAN PHASE
11 53	*	NUMBER REFERS TO ASSOCIATED PHASE
	* <u>OL</u>	OVERLAP

R 53

CABLE PLAN

 $\langle 1 \rangle$

EXISTING PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM FILE NAME : DESIGNED - JRD REVISED USER NAME = gwhitten SECTION COUNTY STATE OF ILLINOIS REVISED 60W21-033-IL53(Scott St)@Van Buren St. DRAWN GW3 89 33 VAR 2013-003-I WILL IL 53 NORTHBOUND (SCOTT ST) AND VAN BUREN STREET CHECKED KLB REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W21 REVISED SCALE: SHEET OF SHEETS STA. PLOT DATE = 3/28/2013 DATE 03-28-13

VAN BUREN

EXISTING INTERCONNECT TO CHICAGO STREET

SCHEDULE OF QUANTITIES IL 53 (SCOTT ST) AT CLAY STREET

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET

EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	4	135	17	0.50	34.0
SIGNAL (YELLOW)	4	135	25	0.25	25.0
SIGNAL (GREEN)	4	135	15	0.25	15.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	299.0

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: ITM COSLET
PHONE: 815-724-5010

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS #21801 ST) (SCOTT THE EXISTING CONTROLLER IS AN ECONOLITE ASC/3-2100 IN A TYPE IV CABINET. R Y G CLAY STREET (T) (T) (T) **(1)** 53 -EXISTING INTERCONNECT TO JACKSON STREET **CABLE PLAN EXISTING CONTROLLER SEQUENCE** CLAY STREET **-**4**-**→ **LEGEND**: --4---* SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE NUMBER REFERS TO ASSOCIATED PHASE **EXISTING PHASE DESIGNATION DIAGRAM** GHA #4085.888

COMPANY: COMED - JOLIET FILE NAME = 60W21-034-IL53(Scott St)@Clay St.dgn

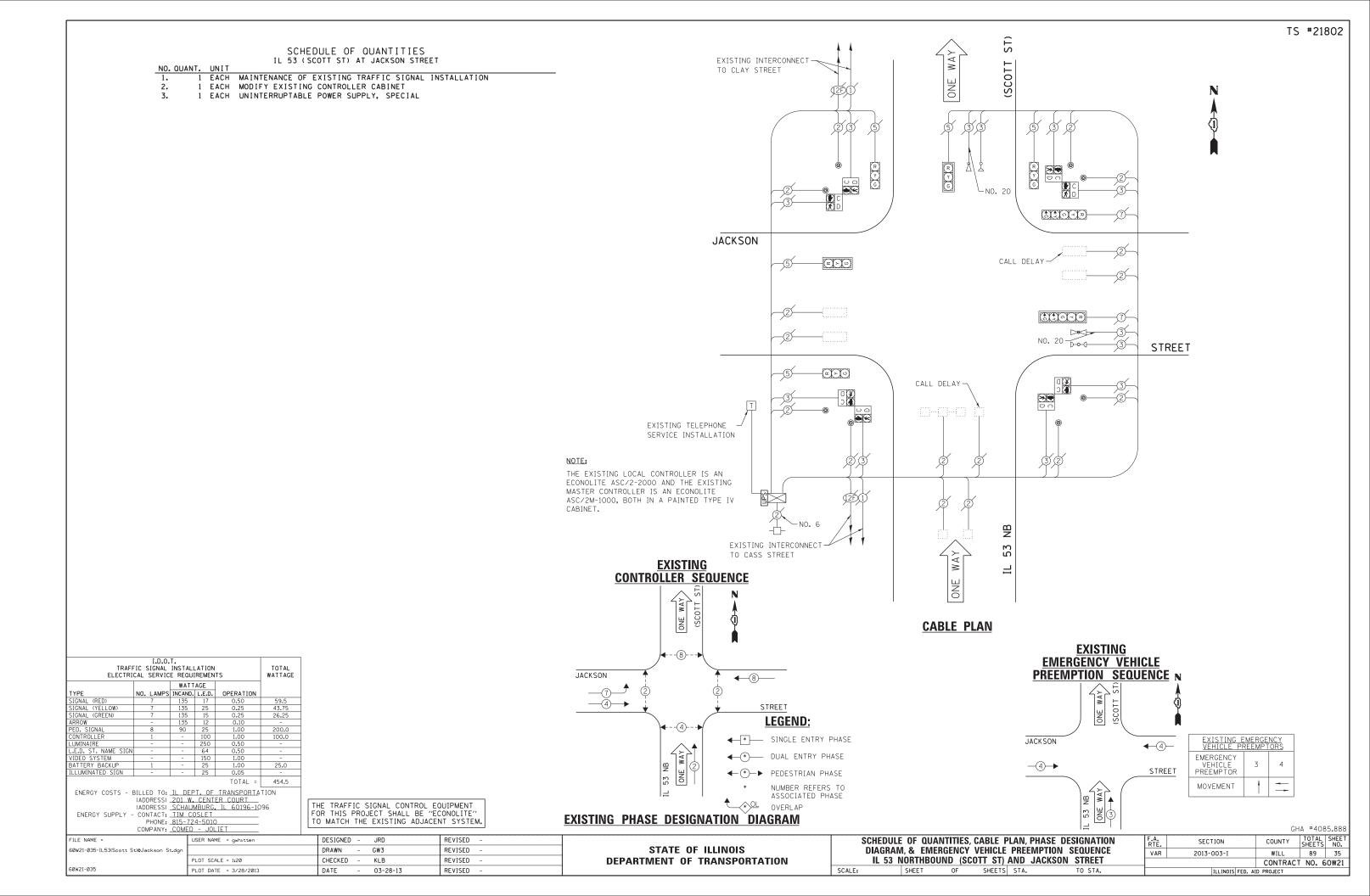
DESIGNED - JRD REVISED USER NAME = gwhitten DRAWN GW3 REVISED CHECKED -KLB REVISED REVISED PLOT DATE = 3/28/2013 DATE 03-28-13

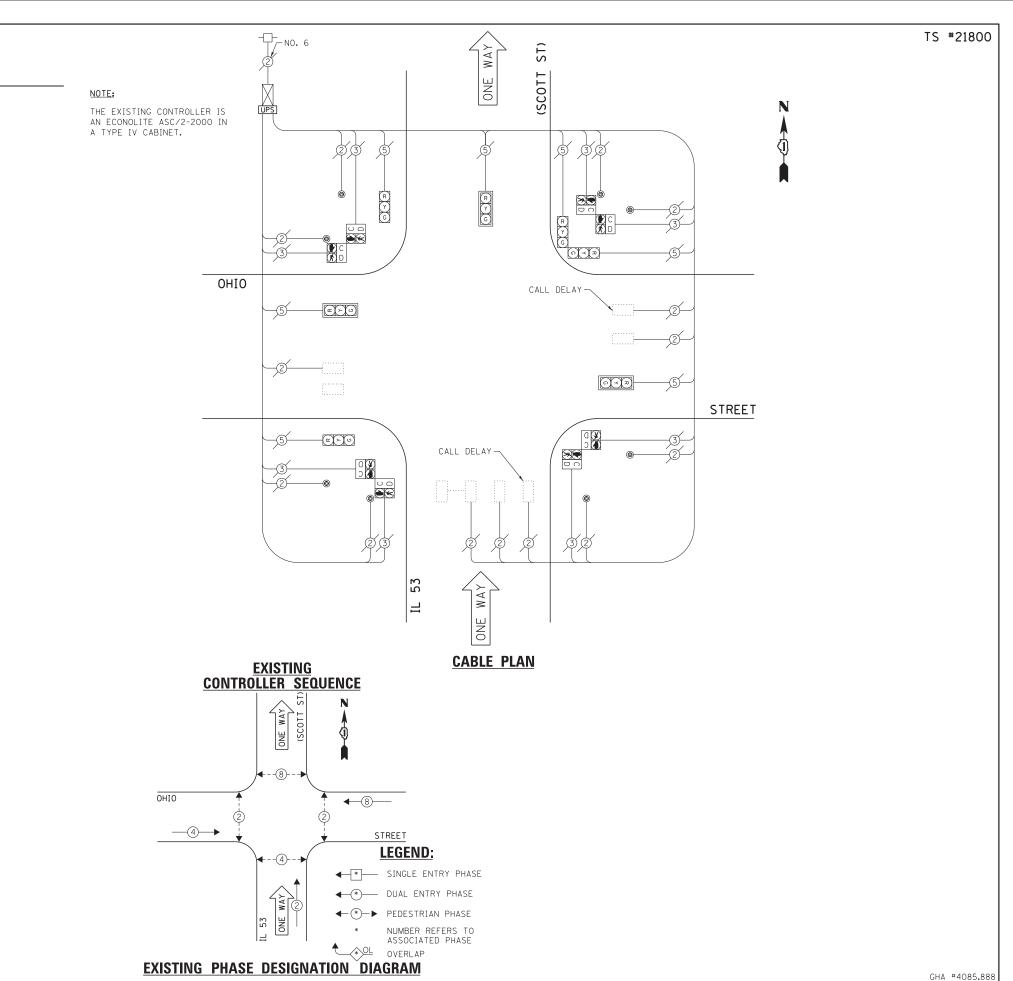
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM VAR IL 53 (SCOTT ST) AND CLAY STREET TO STA. OF SHEETS STA. SHEET

COUNTY TOTAL SHEET NO. WILL 89 34 SECTION 2013-003-I CONTRACT NO. 60W21





TRAFF ELECTRI	TOTAL WATTAGE					
		WATT	AGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	7	135	17	0.50	59.5	
SIGNAL (YELLOW)	7	135	25	0.25	43.75	
SIGNAL (GREEN)	7	135	15	0.25	26.25	
ARROW	-	135	12	0.10	-	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	-	-	64	0.50	-	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
				TOTAL =	454.5	

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

FILE NAME =

60W21-036-IL53(Scott St)@Ohio St.dgn

COMPANY: COMED - JOLIET

USER NAME = gwhitten

PLOT DATE = 3/28/2013

TO MATCH THE EXISTING ADJACENT SYSTEM. DESIGNED - JRD REVISED DRAWN GW3 REVISED CHECKED KLB REVISED

REVISED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE"

03-28-13

DATE

SCHEDULE OF QUANTITIES IL 53 (SCOTT ST) AT OHIO STREET

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET

EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM VAR IL 53 (SCOTT ST) AND OHIO STREET SHEETS STA. TO STA. SHEET OF

TOTAL SHEET NO. 89 36 SECTION COUNTY 2013-003-I WILL CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES IL 7 (LARKIN AV) AT BLACK ROAD

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TRAFI ELECTRI	TOTAL WATTAGE					
		WATT	AGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	14	135	17	0.50	119.0	
SIGNAL (YELLOW)	14	135	25	0.25	87.5	
SIGNAL (GREEN)	14	135	15	0.25	52.5	
ARROW	16	135	12	0.10	19.2	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	-	-	64	0.50	-	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
	603.2					

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: B15-724-5010

FILE NAME :

60W21-037-IL7(Larkin Ave)@Black Rd.dor

COMPANY: COMED - JOLIET

JSER NAME = gwhitten

PLOT DATE = 3/28/2013

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

REVISED

REVISED

REVISED

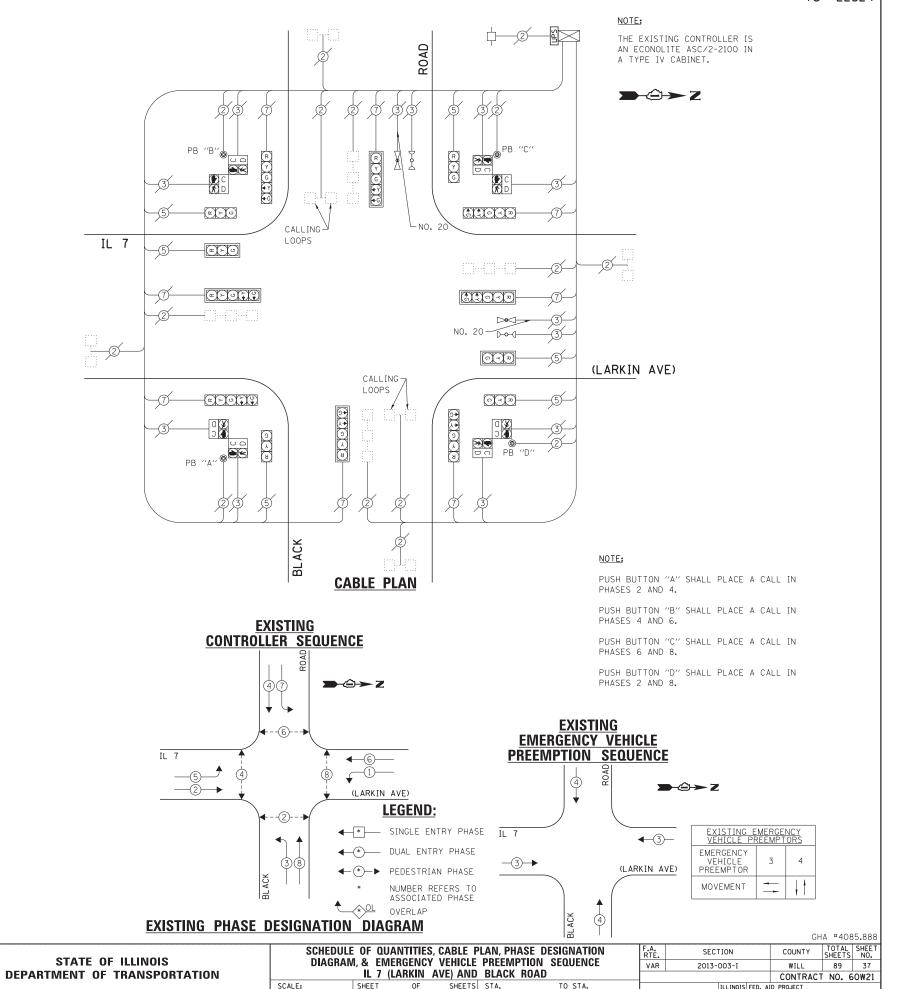
REVISED

DESIGNED - JRD

DRAWN

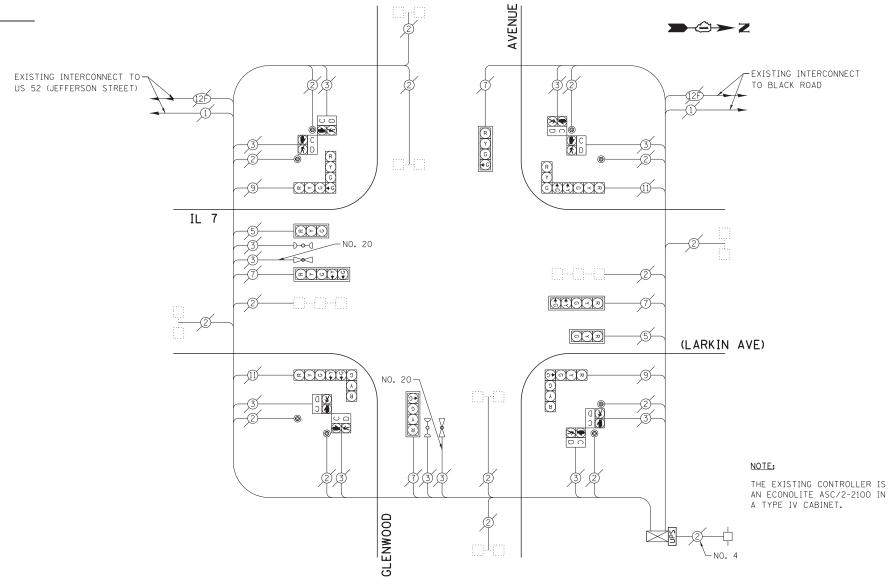
DATE

CHECKED



SCHEDULE OF QUANTITIES IL 7 (LARKIN AV) AT GLENWOOD AVENUE

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



TRAFI ELECTRI	TOTAL WATTAGE					
		WATT	AGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	14	135	17	0.50	119.0	
SIGNAL (YELLOW)	14	135	25	0.25	87.5	
SIGNAL (GREEN)	14	135	15	0.25	52.5	
ARROW	12	135	12	0.10	14.4	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	-	-	64	0.50	-	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
TOTAL = 5						

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CABLE PLAN EXISTING CONTROLLER SEQUENCE EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE (LARKIN AVE) **LEGEND: 4**−3)− ◆ BUAL ENTRY PHASE EMERGENCY VEHICLE PREEMPTOR -3(LARKIN AVE) ◆ (*) PEDESTRIAN PHASE Output Description PEDESTRIAN PHASE Output Description PEDESTRIAN PHASE Output Description PEDESTRIAN PHASE Output Description PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE MOVEMENT **EXISTING PHASE DESIGNATION DIAGRAM** GHA #4085.888

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE IL 7 (LARKIN AVE) AND GLENWOOD AVENUE
SHEET OF SHEETS STA. TO

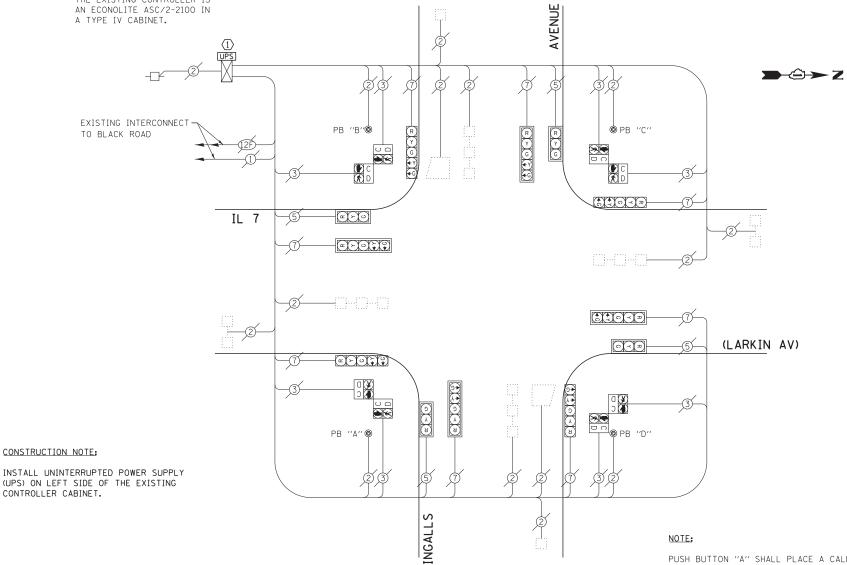
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE.
VAR	2013-003-I	WILL	89	38
		CONTRACT	NO. 6	OW21
	ILLINOIS FED. A	ID PROJECT		

FILE NAME : DESIGNED - JRD REVISED USER NAME = gwhitten 60W21-038-IL7(Larkın Ave)@Glenwood Ave DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE REVISED 03-28-13

SCHEDULE OF QUANTITIES IL 7 (LARKIN AV) AT INGALLS AVENUE

NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2100 IN



(1) INSTALL UNINTERRUPTED POWER SUPPLY (UPS) ON LEFT SIDE OF THE EXISTING CONTROLLER CABINET.

EXISTING CONTROLLER SEQUENCE

EXISTING PHASE DESIGNATION DIAGRAM

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

PUSH BUTTON "D" SHALL PLACE A CALL IN

MOVEMENT

(4)(7)		PHASES 2 ANI	0 8.
★ ⑥ ▶	<u>EXIST</u> <u>EMERGENCY</u>	VEHICLE	
↑ ← ⑥ 	<u>PREEMPTION</u>	SEQUENCE	
4 8 √ 1		AVENUE	
(LARKIN AV)		₹ →	- Z
LEGEND:) .		
* SINGLE ENTRY PHASE	IL 7	← 3−	EXISTING E VEHICLE PF
◆ ◆ DUAL ENTRY PHASE			EMERGENCY VEHICLE
S (3)(8)	<u>−3</u> →	(LARKIN AV)	PREEMPTOR

CABLE PLAN

USER NAME = gwhitten

PLOT DATE = 3/28/2013

(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

FILE NAME :

60W21-039-IL7(Larkın Ave)@Ingalls Ave.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

DRAWN

DATE

CHECKED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE IL 7 (LARKIN AV) AT INGALLS AVENUE OF SHEETS STA. SHEET

NUMBER REFERS TO ASSOCIATED PHASE

GHA #4085.888 SECTION COUNTY 89 39 VAR 2013-003-I WILL CONTRACT NO. 60W21

ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	566.2
ENERGY COSTS - E					TION
	(ADDRESS)	201 W.	CENT	ER COURT	

TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

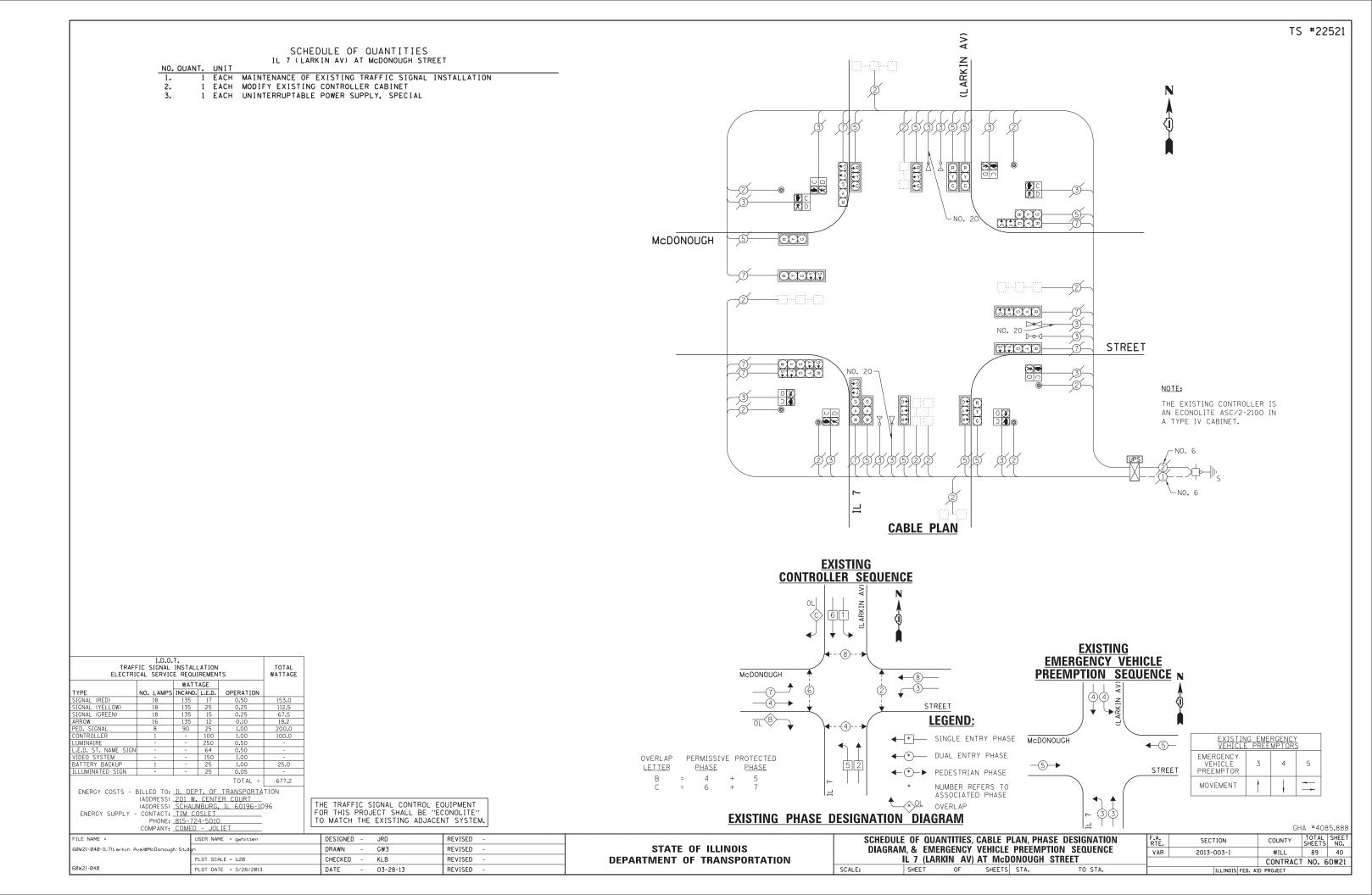
WATTAGE NO. LAMPS INCAND. L.E.D. TOTAL WATTAGE

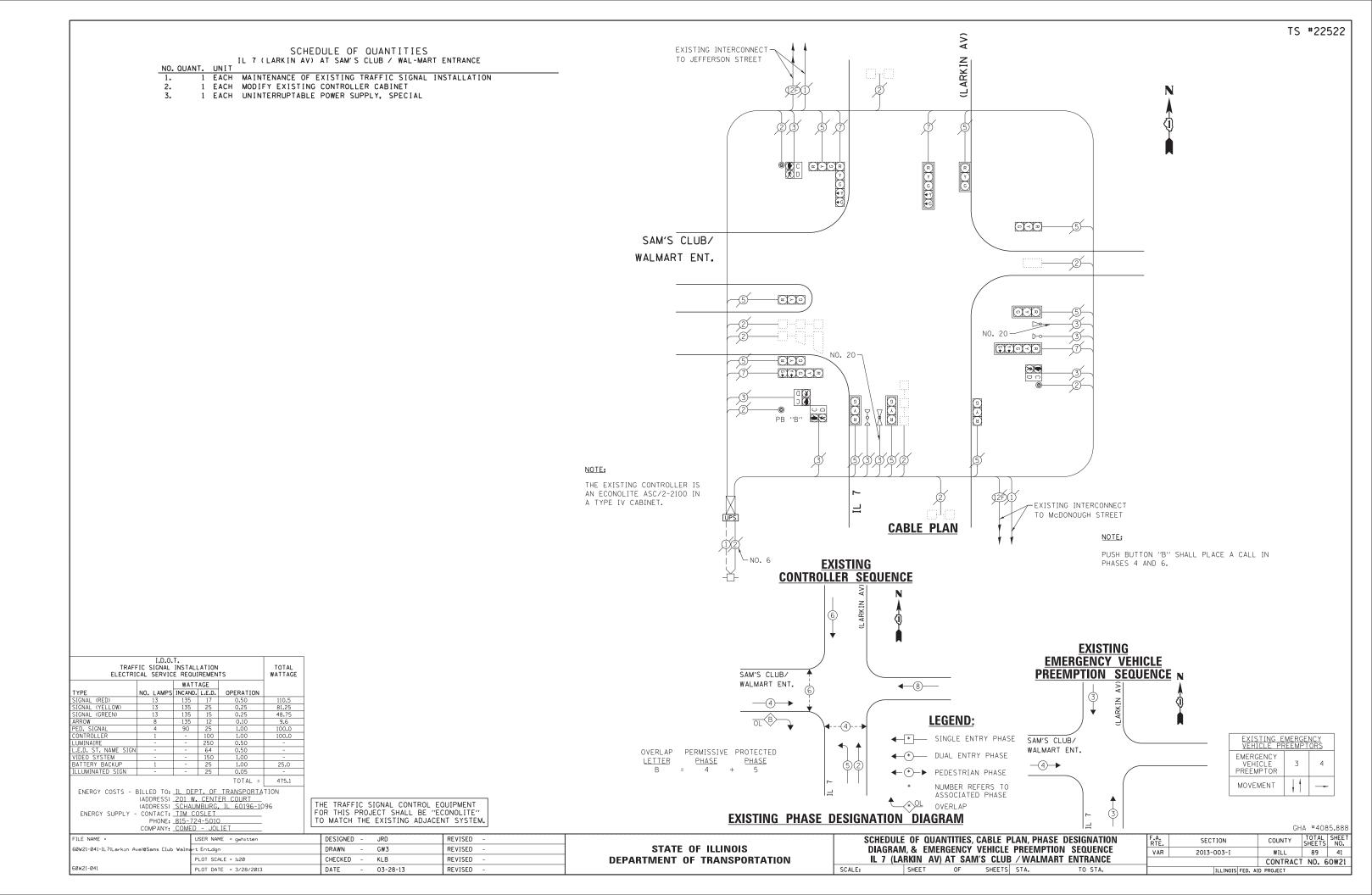
DESIGNED - JRD REVISED

REVISED

REVISED

REVISED







SCHEDULE OF QUANTITIES IL 7 (LARKIN AV) AT NORTHRIDGE PLAZA

NOTE:

A TYPE IV CABINET.

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH SIGNAL HEAD, LED. 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM MODIFY EXISTING CONTROLLER CABINET EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH TRAFFIC SIGNAL, 3-SECTION 4 EACH TRAFFIC SIGNAL, 5-SECTION 8 EACH TRAFFIC SIGNAL BACKPLATES

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	356.6				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED -

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

EXISTING INTERCONNECT -(LARKIN TO IL 7 (THEODORE ST) NUMBER OF GROUND -CABLES AS PER PLANS R Y G +Y +G R Y G THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2100 IN MA_{II}| - x ≻ ∪ NO. 6 G ≺ ℤ ດ ≺ ¤ NORTHRIDGE PLAZA _ œ ≻ ∪ R R NO. 6--EXISTING INTERSECTION AND SAMPLING (SYSTEM) **CABLE PLAN** DETECTORS **EXISTING CONTROLLER SEQUENCE €**8 NORTHRIDGE PLAZA **LEGEND**: ◆ SINGLE ENTRY PHASE **◆** * DUAL ENTRY PHASE ◆
(*)

PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE **EXISTING PHASE DESIGNATION DIAGRAM**

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM IL 7 (LARKIN AV) AT NORTHRIDGE PLAZA SHEETS STA. OF SHEET

SECTION COUNTY 89 42 VAR 2013-003-I WILL CONTRACT NO. 60W21

GHA #4085.888

FILE NAME : DESIGNED - JRD REVISED 60W21-042-IL7(Larkin Ave)@Northridge Plaz DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES IL 7 (THEORDORE ST) AT RAYNOR AVENUE

NO. QUANT. UNIT

1. 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

2. 1 EACH MODIFY EXISTING CONTROLLER CABINET

3. 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

NOTE:

THE EXISTING CONTROLLER IS

JUKKNOWN IN A TYPE IV CABINET.

ICABINET WOULD NOT OPEN)

IL 7

JUKKNOWN IN A TYPE IV CABINET.

IL 7

JUKKNOWN

CABLE PLAN

(THEODORE ST)

EXISTING PHASE DESIGNATION DIAGRAM

LEGEND:

◆ * SINGLE ENTRY PHASE

◆ * DUAL ENTRY PHASE

◆
(*)

PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE

	I.D.O.				
TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	566.2

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

FILE NAME : DESIGNED -JRD REVISED USER NAME = gwhitten 60W21-043-IL7(Theodore St)@Raynor Av-DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL 7 (THEODORE ST) AT RAYNOR AVENUE

| SHEET OF SHEETS | STA. TO STA.

EMERGENCY VEHICLE PREEMPTOR

MOVEMENT

↑	EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE N
	PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.
AVENUE AVENUE	PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
<u>EXISTING</u> <u>Controller sequence</u>	PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
	PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

NOTE:

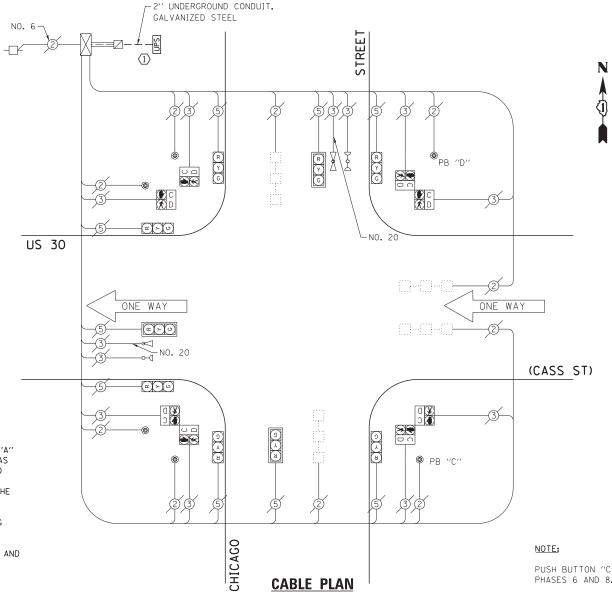
4−3−

(THEODORE ST)

SCHEDULE OF QUANTITIES U.S. 30 (CASS ST) AT CHICAGO STREET

NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 1 EACH UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

THE EXISTING CONTROLLER IS AN ECONOLITE ASC-8000 IN A PAINTED TYPE III CABINET.



CONSTRUCTION NOTE:

1 THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

TRAFI ELECTRI	TOTAL WATTAGE					
		WATT	AGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	9	135	17	0.50	76.5	
SIGNAL (YELLOW)	9	135	25	0.25	56.25	
SIGNAL (GREEN)	9	135	15	0.25	33.75	
ARROW	-	135	12	0.10	-	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	-	-	64	0.50	-	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
TOTAL -						

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

REVISED

REVISED

REVISED

REVISED

DESIGNED - JRD

<u>EXISTING</u>		
CONTROLLER SEQUENCE		
STREET STREET		
U.S.30 ONE WAY (CASS ST)	EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE 3 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	
LEGEND: SINGLE ENTRY PHASE DUAL ENTRY PHASE PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE OVERLAP EXISTING PHASE DESIGNATION DIAGRAM	US 30 ONE WAY (CASS ST)	EXISTING EMERGENCY VEHICLE PREEMPTORS EMERGENCY VEHICLE 3 4 PREEMPTOR 4 MOVEMENT 4
	15	GHA #4085.8

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 30 (CASS ST) AT CHICAGO STREET SHEETS STA. SHEET OF

		011	_ 100	,,,,,,,,,		
.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
VAR	2013-003-I	WILL	89•	44		
CONTRACT NO. 60W21						
THE THORSE SEC. AND DROUGHT						

FILE NAME = 60W21-044-US30(Cass St)@Chicago St.dgr

DRAWN CHECKED PLOT DATE = 3/28/2013 DATE

JSER NAME = gwhitten

NOTE:

NO. 6-

THE EXISTING CONTROLLER IS

AN ECONOLITE ASC/2-2000 IN A TYPE IV CABINET.

SCHEDULE OF QUANTITIES U.S. 30 (CASS ST) AT HENDERSON AVENUE

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TRAFI ELECTRI	TOTAL WATTAGE						
		WATT	AGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION			
SIGNAL (RED)	12	135	17	0.50	102.0		
SIGNAL (YELLOW)	12	135	25	0.25	75.0		
SIGNAL (GREEN)	12	135	15	0.25	45.0		
ARROW	16	135	12	0.10	19.2		
PED. SIGNAL	8	90	25	1.00	200.0		
CONTROLLER	1	-	100	1.00	100.0		
LUMINAIRE	-	-	250	0.50	-		
L.E.D. ST. NAME SIGN	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	-	-	25	0.05	-		
	TOTAL =						

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: B15-724-5010 COMPANY: COMED -

USER NAME = gwhitten

PLOT DATE = 3/28/2013

FILE NAME :

60W21-045-US30(Cass St)@Henderson Ave

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

REVISED

REVISED

REVISED

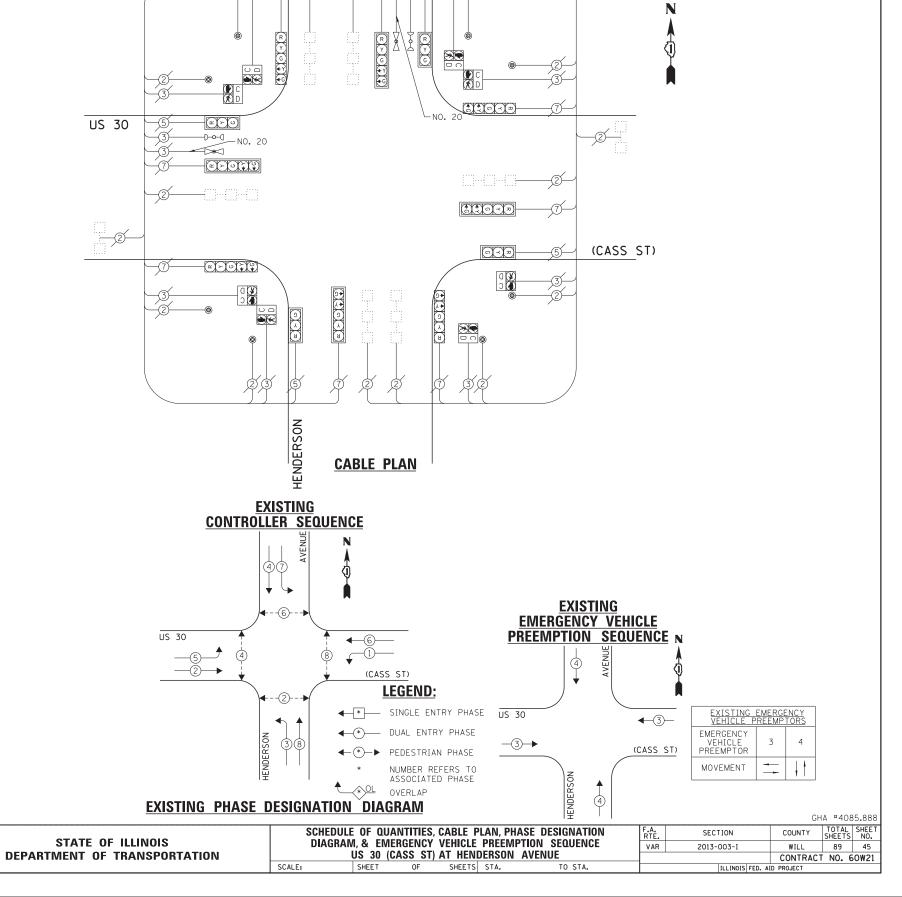
REVISED

DESIGNED - JRD

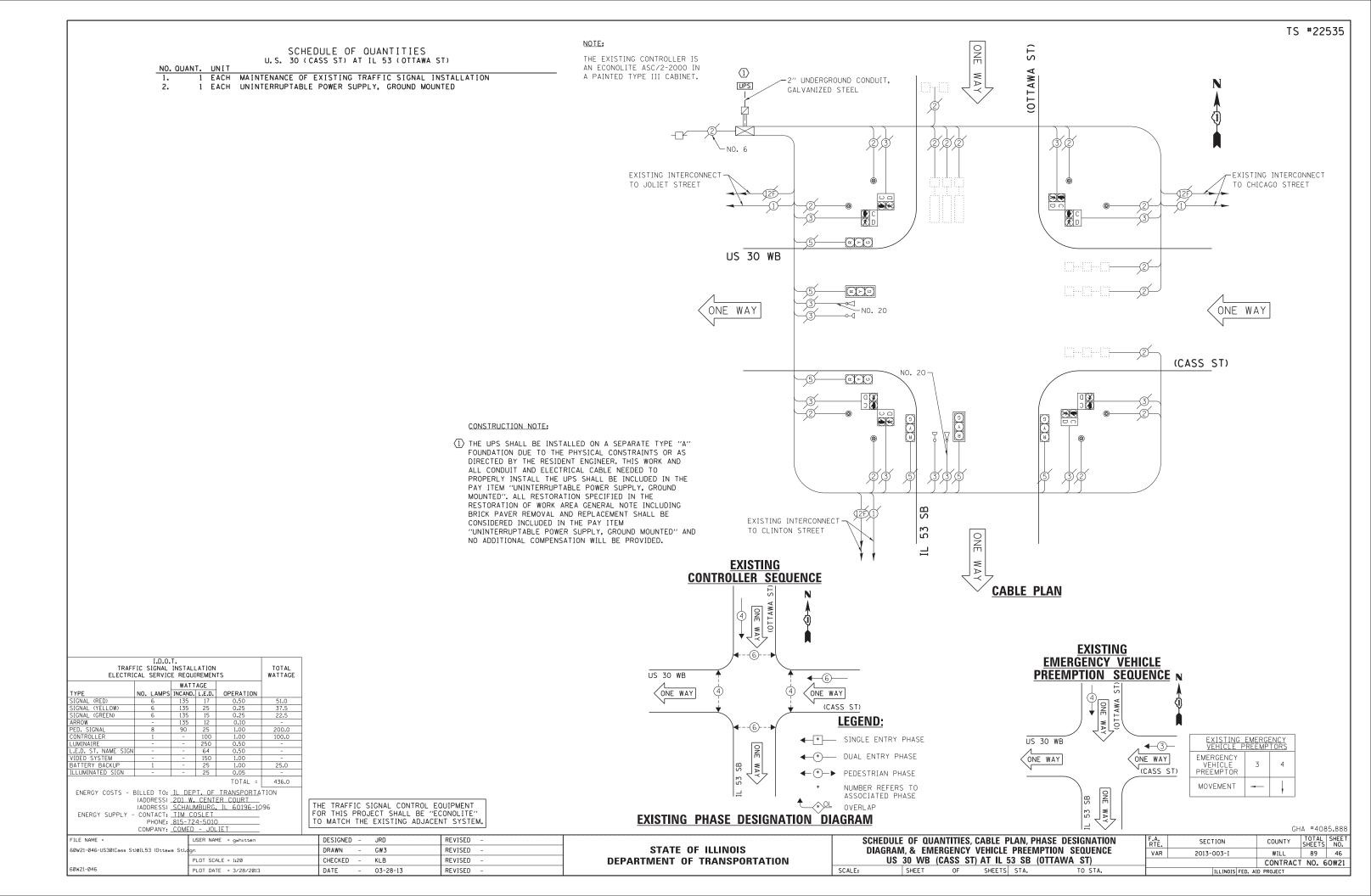
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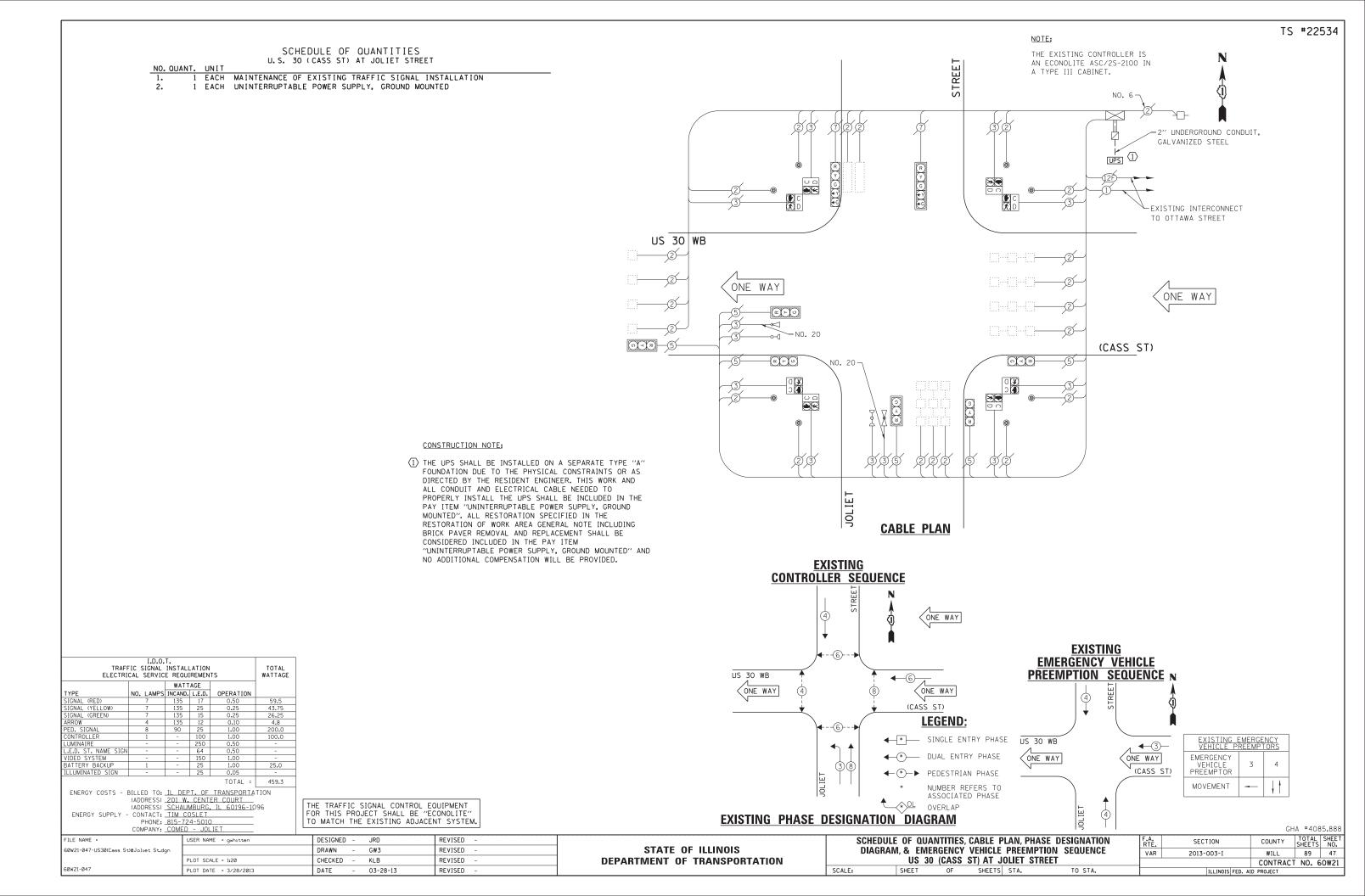
DATE

CHECKED



AVENUE



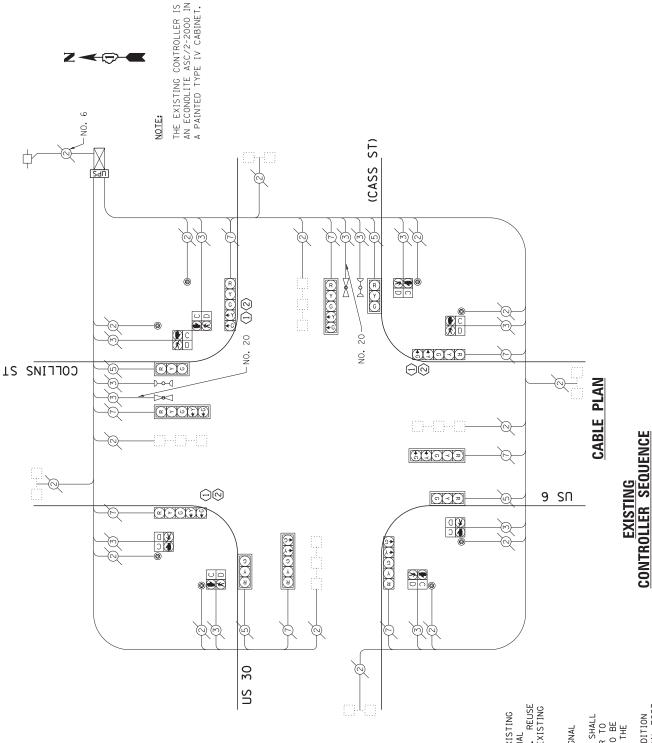


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OF QUANTITIES O AT U.S. 6 (COLLINS ST) SCHEDULE C u. S.

OUANT.

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
RELOCATE EXISTING SIGNAL HEAD
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
MODIFY EXISTING CONTROLLER CABINET
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
UNINTERRUPTABLE POWER SUPPLY, SPECIAL UNIT EACH EACH EACH EACH EACH Š.



(2) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED. REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING Θ \bigcirc

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED COULPWENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

POST

EACH TRAFFIC SIGNAL

CONSTRUCTION NOTE;

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

NO. LAMPS INCAND. L.E.D.

SIGNAL (RED)
SIGNAL (YELLOW)
SIGNAL (GREEN)
ARROW IGNAL

REVISED REVISED REVISED REVISED JRD GW3 KLB 03-28-13 DESIGNED DRAWN CHECKED

566.2

CONTROLLER LUMINAIRE LLE.D. ST. NAME SIGN VIDEO SYSTEM BATTERY BACKUP ILLUMINATED SIGN

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) ZOI W. CENIER COURT.
(ADDRESS) SCHALMBURG. IL 60136-1096
ENERGY SUPPLY - CONTACT: IIM COSLET
PHONE: 815.724-5010
COMPANY: COMED - JOLIET

USER NAME = gwhitten

1:20

PLOT

60W21-048-US30(Cass

60W21-048

NAME

FILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTOR MOVEMENT SECTION (CASS ST) EMERGENCY VEHICLE PREEMPTION SEQUENCE 4 F.A. RTE. VAR **EXISTING** COFFINS 8. **∞**→ 9 Sr 4 US 30 SINGLE ENTRY PHASE NUMBER REFERS TO ASSOCIATED PHASE DUAL ENTRY PHASE PEDESTRIAN PHASE LEGEND **EXISTING PHASE DESIGNATION DIAGRAM** (CASS ST) * * (S) 6 9 SN

←⊕-

COLLINS ST

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 \bigcirc

US 30

-		
1	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 30 (CASS ST) AT US 6 (COLLINS ST)	TO STA.
	OF QUANTITIES, CABLE PLAN, PHASE DE! , & EMERGENCY VEHICLE PREEMPTION S US 30 (CASS ST) AT US 6 (COLLINS ST)	STA.
	CABLE P VEHICLE 1) AT US	SHEETS STA.
	ANTITIES, ERGENCY (CASS SI	OF
	: 0F QU A, & EM US 30	SHEET
	SCHEDULI DIAGRAN	SCALE:
		_

GHA #4085,888

COUNTY

WILL 89 48 CONTRACT NO. 60W21

2013-003-I

OUANTITIES AT EASTERN AVENUE SCHEDULE OF U.S. 30 (CASS ST)

TRAFFIC SIGNAL INSTALLATION HEAD MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTAL RELOCATE EXISTING SIGNAL HEAD RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED EACH EACH EACH EACH EACH Š.

OUANT.

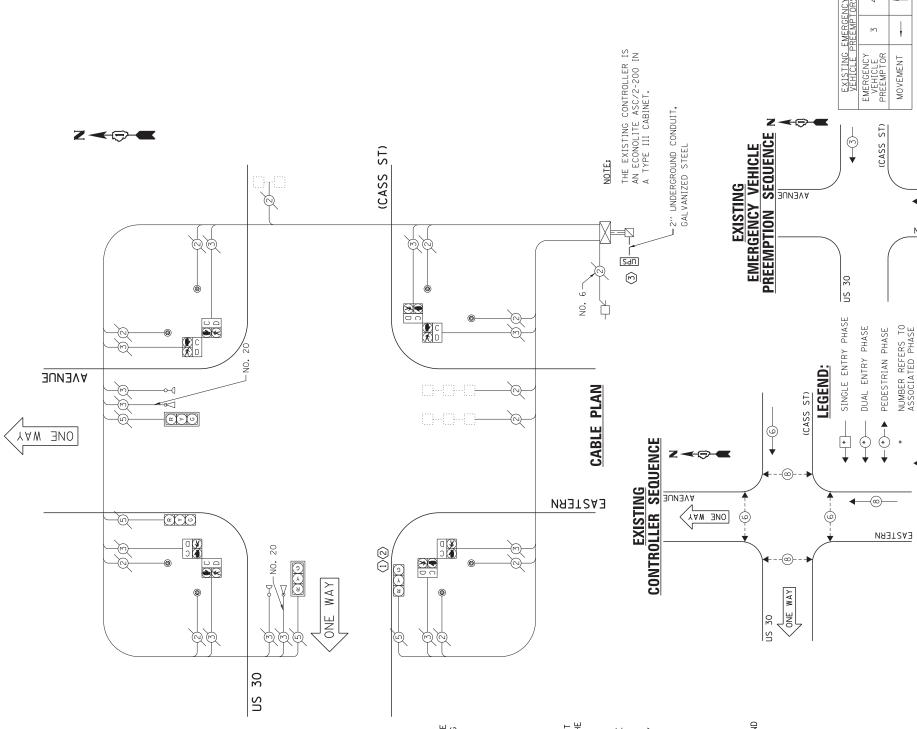
CONSTRUCTION NOTE:

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- © AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED. \bigcirc
- (3) THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPRNSE. THE SALVAGE VALUE OF THE REMOVED COULPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

POST

EACH TRAFFIC SIGNAL



399.0 25.0

VIDEC SYSTEM
BATTERY BACKUP
'LLUMINATED S'

OPERATION

NO. LAMPS INCAND. L.E.D.

IGNAL (RED)
IGNAL (YELLOW)
IGNAL (GREEN) GNAL

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) ZOI W. CENIER COURT.
(ADDRESS) SCHALMBURG. IL 60136-1096
ENERGY SUPPLY - CONTACT: IIM COSLET
PHONE: BIS-724-5010
COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE". TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISED REVISED REVISED REVISED JRD GW3 KLB 03-28-13 DESIGNED DRAWN CHECKED

1:20

SCALE =

PLOT

60W21-049-US30(Cass

60W21-049

NAME

FILE

USER NAME

SCALE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

2013-003-I F.A. RTE. VAR SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
US 30 (CASS ST) AT EASTERN AVENUE
| SHEET OF SHEETS | STA. TO STA. EASTERN

GHA #4085.888

COUNTY

SECTION

4-⟨**7**)

OVERLAP

\ \ \ \

EXISTING PHASE DESIGNATION DIAGRAM

WILL 89 49 CONTRACT NO. 60W21

ILLINOIS FED. AID

SCHEDULE OF QUANTITIES 30 (CASS ST) AT IL 53 (SCOTT ST)

NO.	QUANT.	UNIT	0. 3. 30 (CR33 317 R) 1E 33 (30011 317
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
3.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4.	1	EACH	RELOCATE EXISTING SIGNAL HEAD
5.	4	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
6.	4	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
7.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
8.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE

2 EACH TRAFFIC SIGNAL POST

CONTRACT BID PRICE.

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	4	135	17	0.50	34.0
SIGNAL (YELLOW)	4	135	25	0.25	25.0
SIGNAL (GREEN)	4	135	15	0.25	15.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	399 A				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED

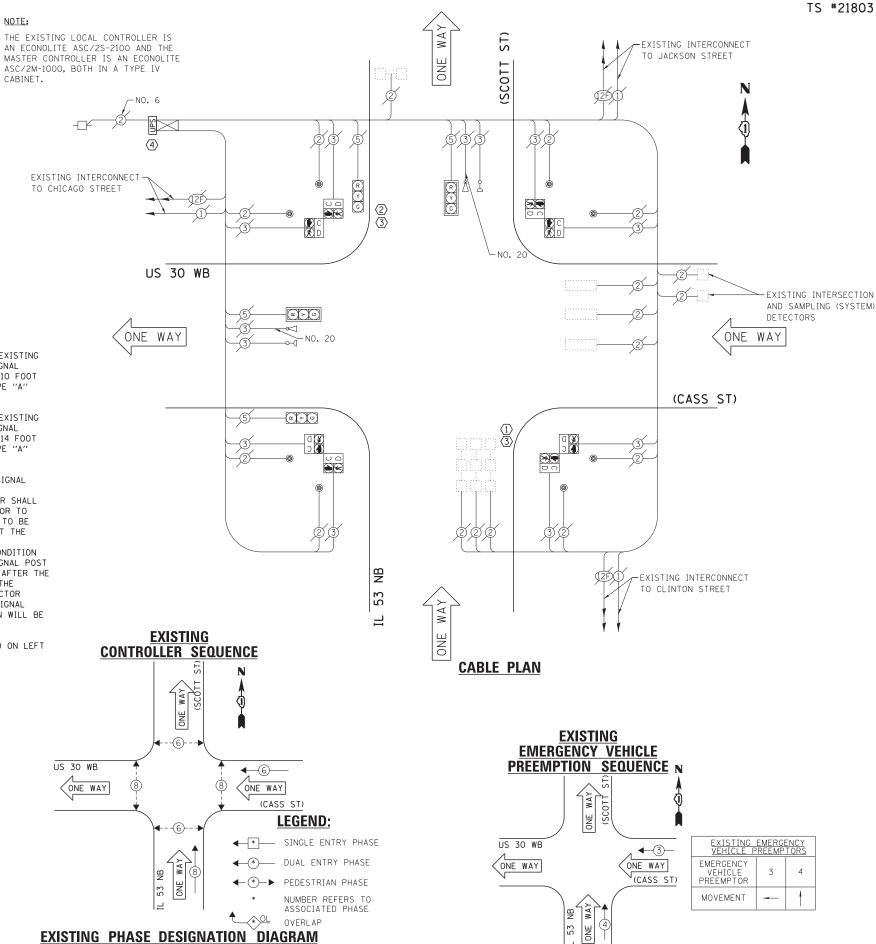
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTE:

(I) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 10 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS ON NEW 10 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

NOTE:

- (2) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED. THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE
- 4 INSTALL UNINTERRUPTABLE POWER SUPPLY (UPS) ON LEFT SIDE OF THE EXISTING CONTROLLER CABINET.



STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE VAR 2013-003-I US 30 WB (CASS ST) AT IL 53 NB (SCOTT ST) SHEETS STA. SHEET

GHA #4085-888

CONTRACT NO. 60W21

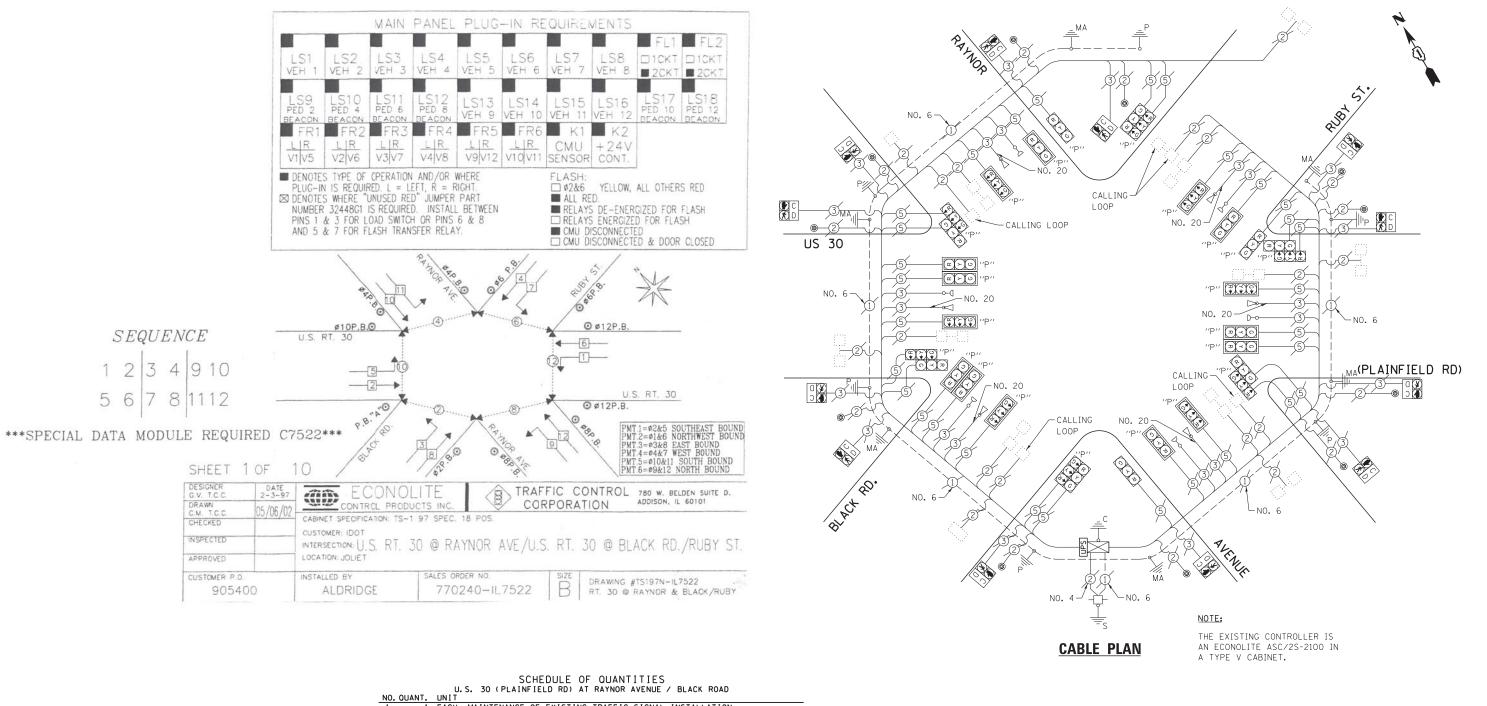
COUNTY

WILL

TOTAL SHEET NO.

89 50

FILE NAME DESIGNED - JRD REVISED USER NAME = gwhitten 60W21-050-US30(Cass St)@IL53(Scott St). DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED



TS #7507

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET

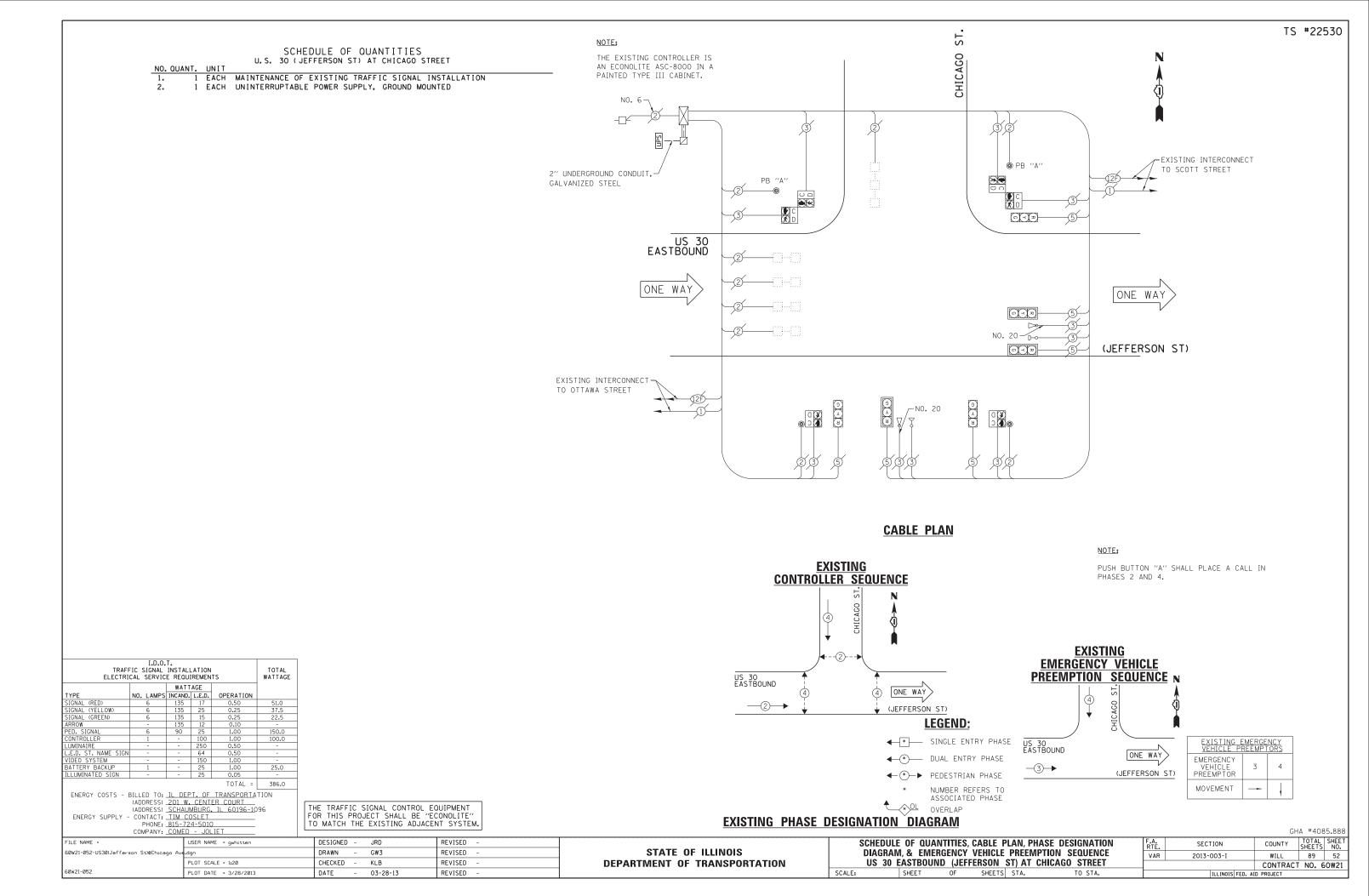
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

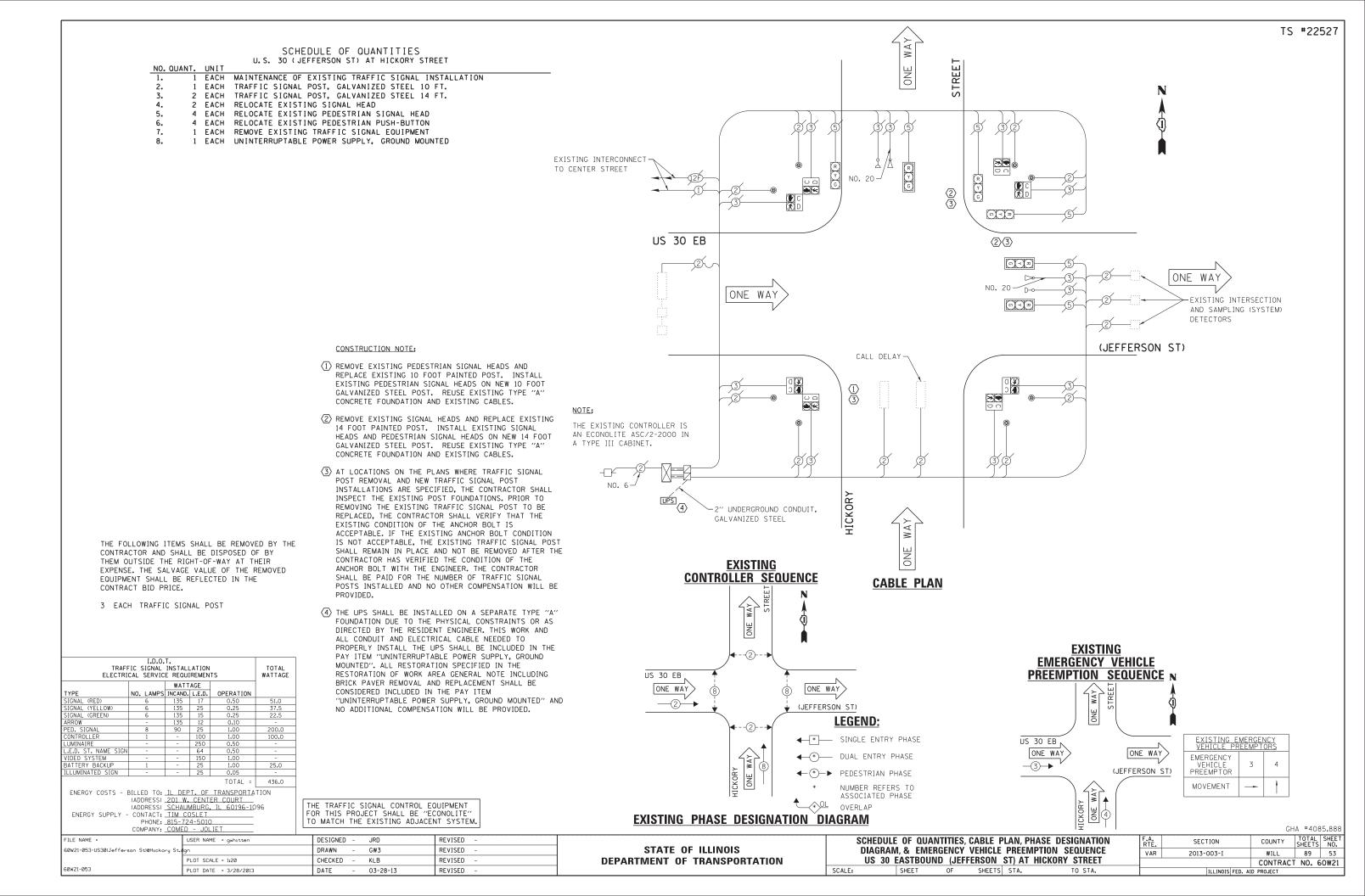
LD.O.T.							
TRAFF ELECTRI	TOTAL WATTAGE						
		WATT	AGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION			
SIGNAL (RED)	30	135	17	0.50	255.0		
SIGNAL (YELLOW)	30	135	25	0.25	187.5		
SIGNAL (GREEN)	30	135	15	0.25	112.5		
ARROW	-	135	12	0.10	-		
PED. SIGNAL	12	90	25	1.00	300.0		
CONTROLLER	1	-	100	1.00	100.0		
LUMINAIRE	-	-	250	0.50	-		
L.E.D. ST. NAME SIGN	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	-	-	25	0.05	-		
				TOTAL =	980.0		

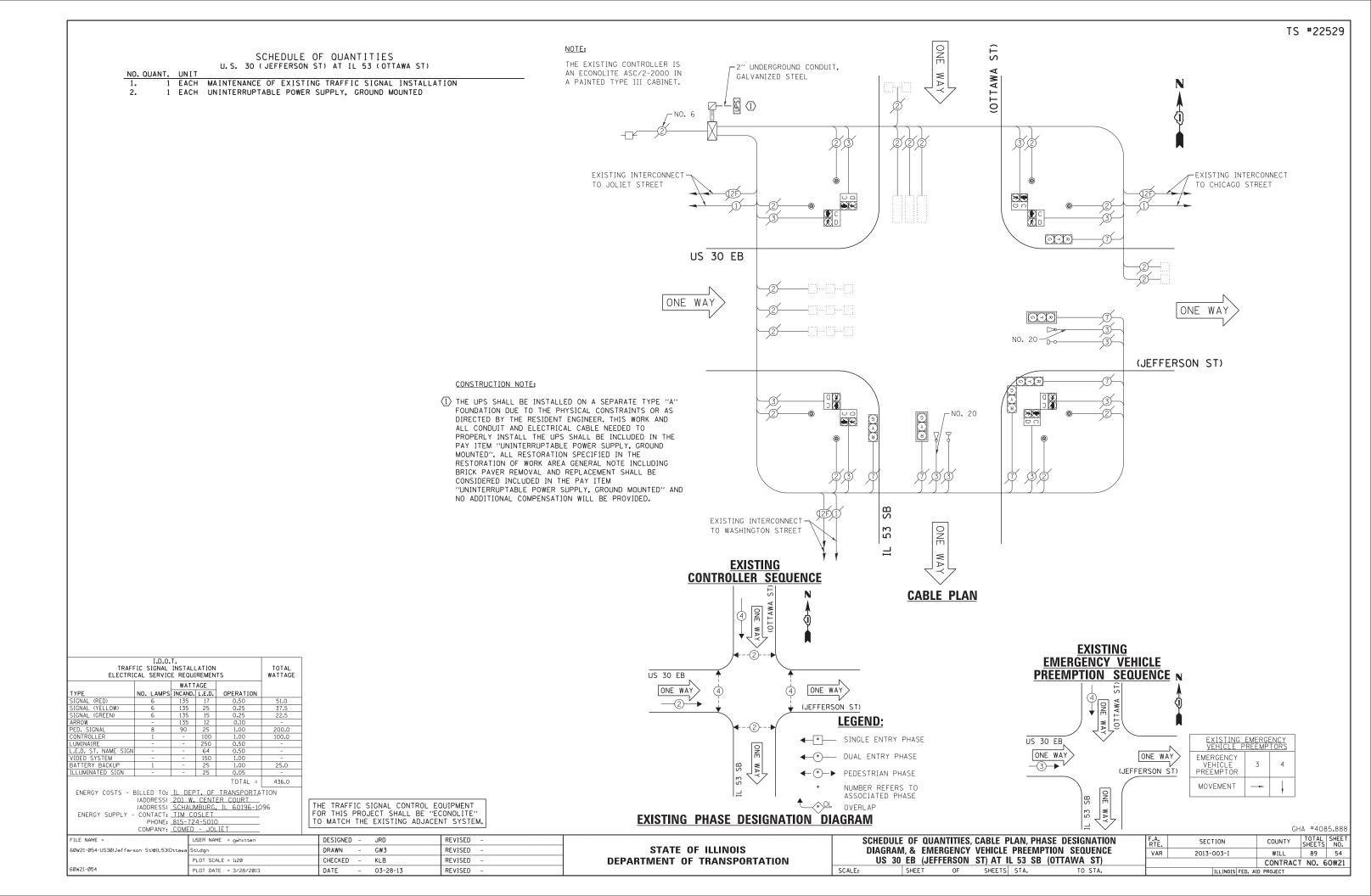
ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

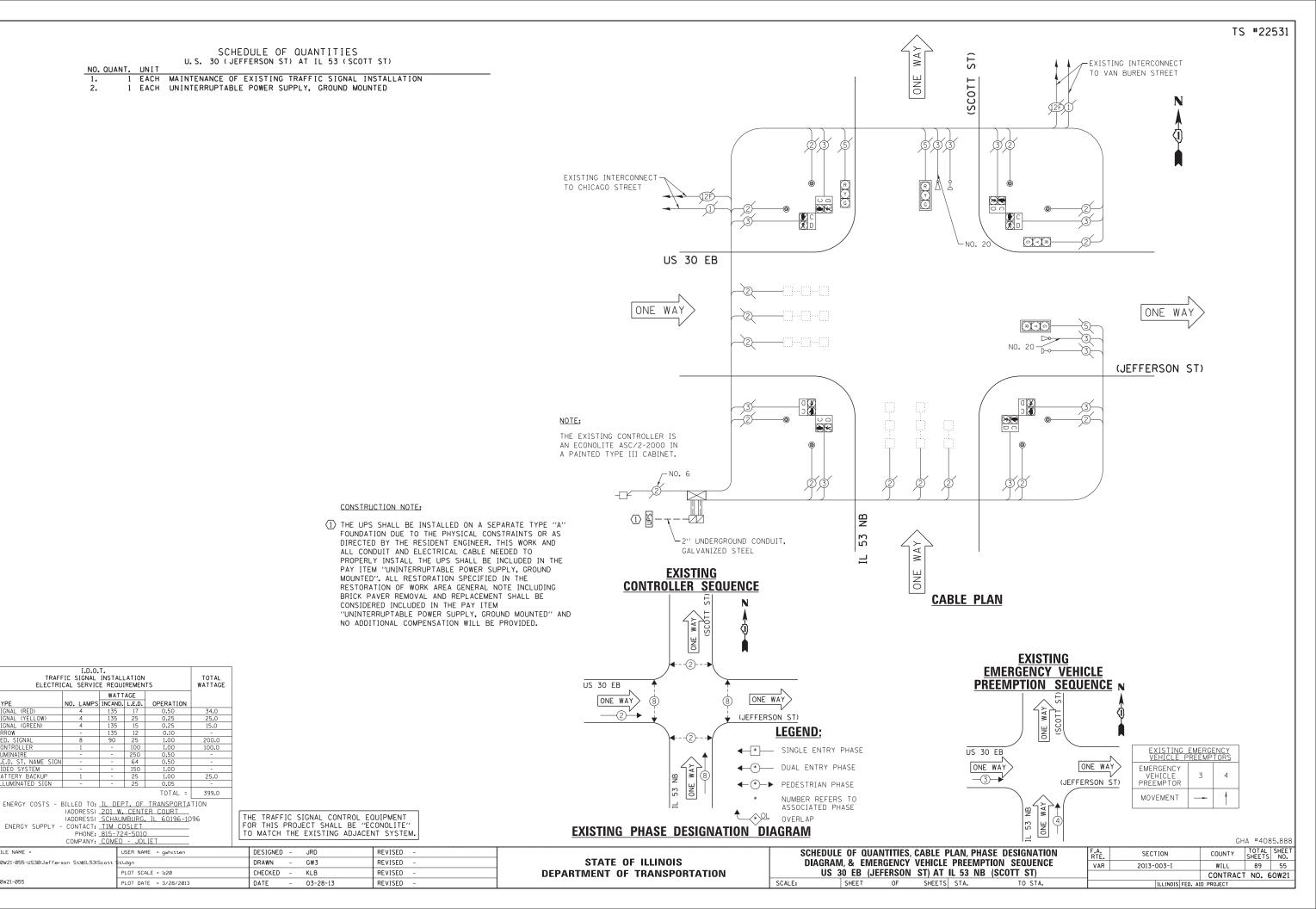
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

COMPANY: <u>COM</u> E	D - JOLIET							GH	HA #4085.888
FILE NAME =	USER NAME = gwhitten	DESIGNED - JRD	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
60W21-051-US30(Plainfield Rd)@Raynor Ave-	Black Rd.dgn	DRAWN - GW3	REVISED -	STATE OF ILLINOIS	DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE	VAR	2013-003-I	WILL	89 51
	PLOT SCALE = 1:20	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION	US 30 (PLAINFIELD RD) AT RAYNOR AVENUE /BLACK ROAD			CONTRACT	
60W21-051	PLOT DATE = 3/28/2013	DATE - 03-28-13	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT	







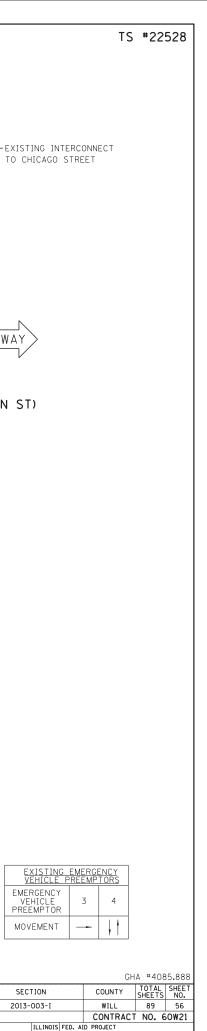


TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

COMPANY: COMED

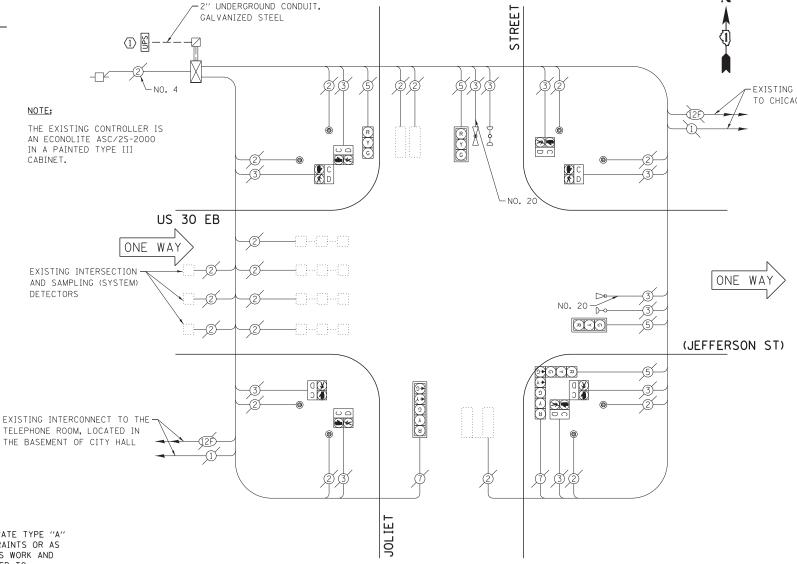
FILE NAME :

60W21-055-US30(Jefferson St)@IL53(Scot



SCHEDULE OF QUANTITIES U.S. 30 (JEFFERSON ST) AT JOLIET STREET

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED



CONSTRUCTION NOTE:

THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A"
FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS
DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND
ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO
PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE
PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

TRAFI ELECTRI	TOTAL WATTAGE						
		WATT	AGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION			
SIGNAL (RED)	6	135	17	0.50	51.0		
SIGNAL (YELLOW)	6	135	25	0.25	37.5		
SIGNAL (GREEN)	6	135	15	0.25	22.5		
ARROW	4	135	12	0.10	4.5		
PED. SIGNAL	8	90	25	1.00	200.0		
CONTROLLER	1	-	100	1.00	100.0		
LUMINAIRE	-	-	250	0.50	-		
L.E.D. ST. NAME SIGN	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	-	-	25	0.05	-		
				TOTAL -	440.0		

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED

JSER NAME = gwhitten

PLOT DATE = 3/28/2013

FILE NAME

60W21-056-US30(Jefferson St)@Joliet St

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

03-28-13

DATE

CABLE PLAN EXISTING CONTROLLER SEQUENCE EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE N US 30 EB ONE WAY ONE WAY (JEFFERSON ST) **LEGEND**: * SINGLE ENTRY PHASE US 30 EB ONE WAY ◆ * DUAL ENTRY PHASE **-**3→ (JEFFERSON ST) ◆ (*) PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE **EXISTING PHASE DESIGNATION DIAGRAM**

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

REVISED DESIGNED -JRD DRAWN GW3 REVISED CHECKED KLB REVISED

REVISED

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 30 EB (JEFERSON ST) AT JOLIET STREET SHEETS STA. SHEET

VAR

ONE WAY

SCHEDULE OF QUANTITIES U.S. 30 (JEFFERSON ST) AT U.S. 30 (CENTER ST)

۷0. C	DUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
3.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4.	2	EACH	RELOCATE EXISTING SIGNAL HEAD
5.	5	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
6.	3	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
7.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

CONSTRUCTION NOTE:

1 REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND REPLACE EXISTING 10 FOOT PAINTED POST. INSTALL EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 10 FOOT CONCRETE FOUNDATION AND EXISTING CABLES.

2" UNDERGROUND CONDUIT, -GALVANIZED STEEL

NOTE:

- (2) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE
- 4 THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH TRAFFIC SIGNAL POST

I.D.O.T.

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	7	135	17	0.50	59.5
SIGNAL (YELLOW)	7	135	25	0.25	43.75
SIGNAL (GREEN)	7	135	15	0.25	26.25
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	8	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	8	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	454.5

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096

FILE NAME

60W21-057-US30(Jefferson St)@US30(Cent

ENERGY SUPPLY - CONTACT: TIM COSLET PHONE: 815-724-5010 COMPANY: COMED

PLOT DATE = 3/28/2013

TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

DESIGNED - JRD

DRAWN

DATE

CHECKED

US 30 (CENTER THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2100 IN A TYPE III CABINET. (2)(3)**JEFFERSON** 23 ONE WAY US 30 (JEFFERSON ST) STREET **30 CABLE PLAN EXISTING CONTROLLER SEQUENCE** US **EXISTING** -(2)-**EMERGENCY VEHICLE** PREEMPTION SEQUENCE N JEFFERSON ST. ONE WAY US (JEFFERSON ST) **LEGEND:** ◆ ▼ SINGLE ENTRY PHASE JEFFERSON ST. EXISTING EMERGENCY VEHICLE PREEMPTORS ◆*** DUAL ENTRY PHASE EMERGENC' US 30 (JEFFERSON ST) VEHICLE PREEMPTOR ◆
(*)

PEDESTRIAN PHASE MOVEMENT NUMBER REFERS TO ASSOCIATED PHASE OVERLAP **EXISTING PHASE DESIGNATION DIAGRAM** GHA #4085-888 TOTAL SHEET NO. SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY STATE OF ILLINOIS DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE VAR 2013-003-I WILL 89 57 **DEPARTMENT OF TRANSPORTATION** US 30 (JEFFERSON ST) AT US 30 (CENTER ST) CONTRACT NO. 60W21 SHEETS STA. SHEET OF

ST)

TS #22526

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE"

REVISED

REVISED

REVISED

REVISED

SCHEDULE OF QUANTITIES 30 (JEFFERSON ST) AT FASTERN AVENUE

			U. S. JU (JEFFERSUN SI) AI EASIERN AVENUE
NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	4	EACH	RELOCATE EXISTING SIGNAL HEAD
4.	5	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
5.	5	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
6.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
7.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

CONSTRUCTION NOTE:

(I) REMOVE EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

EXISTING INTERCONNECT-TO CASS STREET

US 30 EB

(2) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER, THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH TRAFFIC SIGNAL POST

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	8	135	17	0.50	68.0
SIGNAL (YELLOW)	8	135	25	0.25	50.0
SIGNAL (GREEN)	8	135	15	0.25	30.0
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	477.8

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

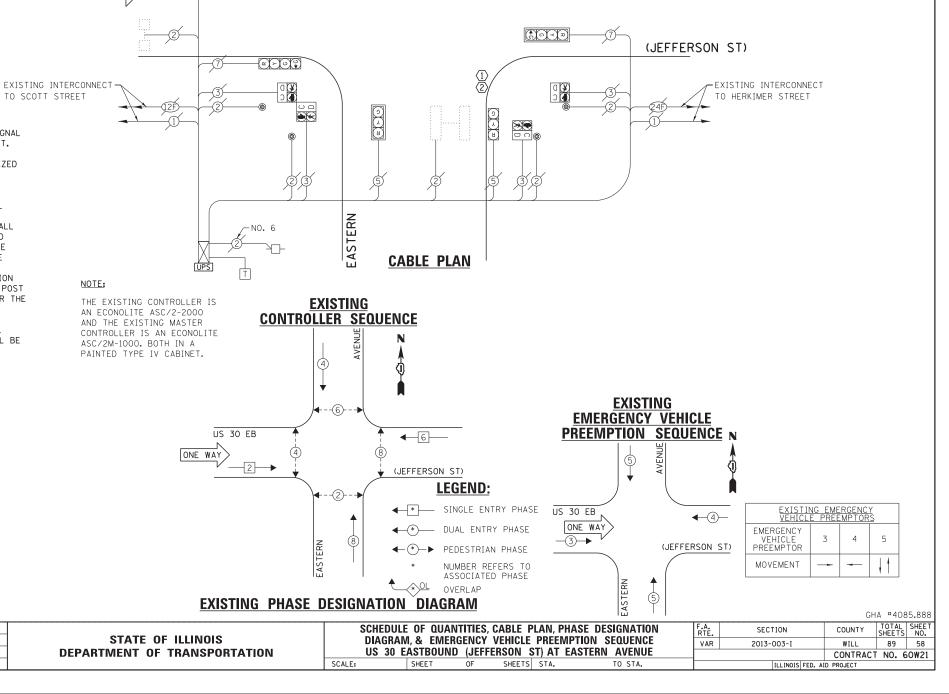
COMPANY: COMED

FILE NAME

60W21-058-US30(Jefferson St)@Eastern

DESIGNED -REVISED DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



GHA #4085.888

COUNTY

WILL

TOTAL SHEET NO.

89 59

CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES U.S. 30 (LINCOLN HWY / CASS ST) AT WALNUT STREET

١0.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
5.	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
6.	5	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
7.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
8.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

CONSTRUCTION NOTE:

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (2) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL DOCUMENTS AND NOTHER COMPENSATION WILL BE POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

9 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION EACH TRAFFIC SIGNAL HEAD, 2-FACE, 3-SECTION

EACH TRAFFIC SIGNAL BACKPLATE 1 EACH TRAFFIC SIGNAL POST

TRAFI ELECTRI	TOTAL WATTAGE							
		WATT	AGE					
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION				
SIGNAL (RED)	11	135	17	0.50	93.5			
SIGNAL (YELLOW)	11	135	25	0.25	68.75			
SIGNAL (GREEN)	11	135	15	0.25	41.25			
ARROW	-	135	12	0.10	-			
PED. SIGNAL	-	90	25	1.00	-			
CONTROLLER	1	-	100	1.00	100.0			
LUMINAIRE	-	-	250	0.50	-			
L.E.D. ST. NAME SIGN	-	-	64	0.50	-			
VIDEO SYSTEM	-	-	150	1.00	-			
BATTERY BACKUP	1	-	25	1.00	25.0			
ILLUMINATED SIGN	-	-	25	0.05	-			

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

PLOT DATE = 3/28/2013

COMPANY: COMED

60W21-059-US30(Lıncoln Hwy-Cass ST)@Waln

FILE NAME

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM. REVISED DESIGNED - JRD

REVISED

REVISED

REVISED

GW3

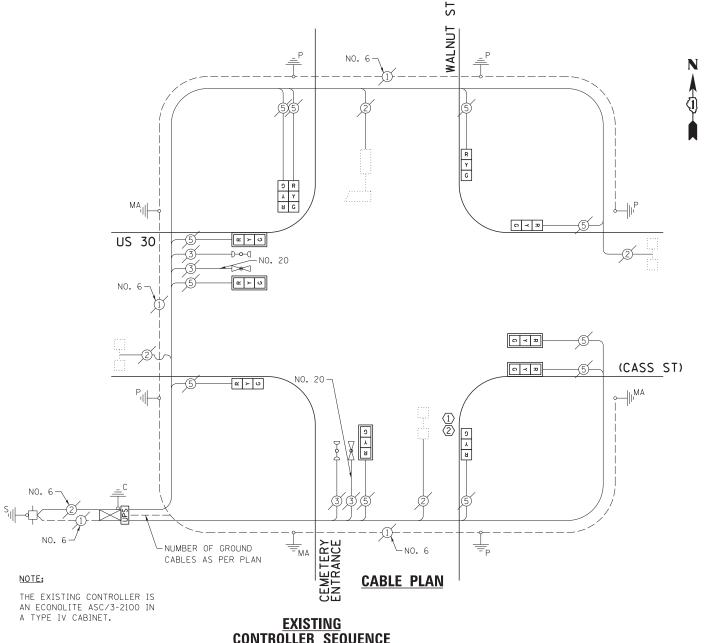
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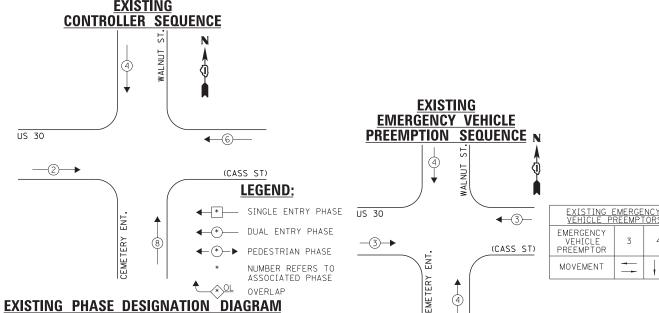
03-28-13

DRAWN

DATE

CHECKED





STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE VAR 2013-003-I US 30 (CASS ST) AT WALNUT STREET SHEETS STA. SHEET

SCHEDULE OF QUANTITIES U.S. 30 (PLAINFIELD RD) AT INGALLS AVENUE

NO. QUANT. UNIT 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	640.2

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

PLOT DATE = 3/28/2013

(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED

FILE NAME =

60W21-060-US30(Plainfield Rd)@Ingalls A

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM. DESIGNED - JRD REVISED

GW3

KLB

03-28-13

REVISED

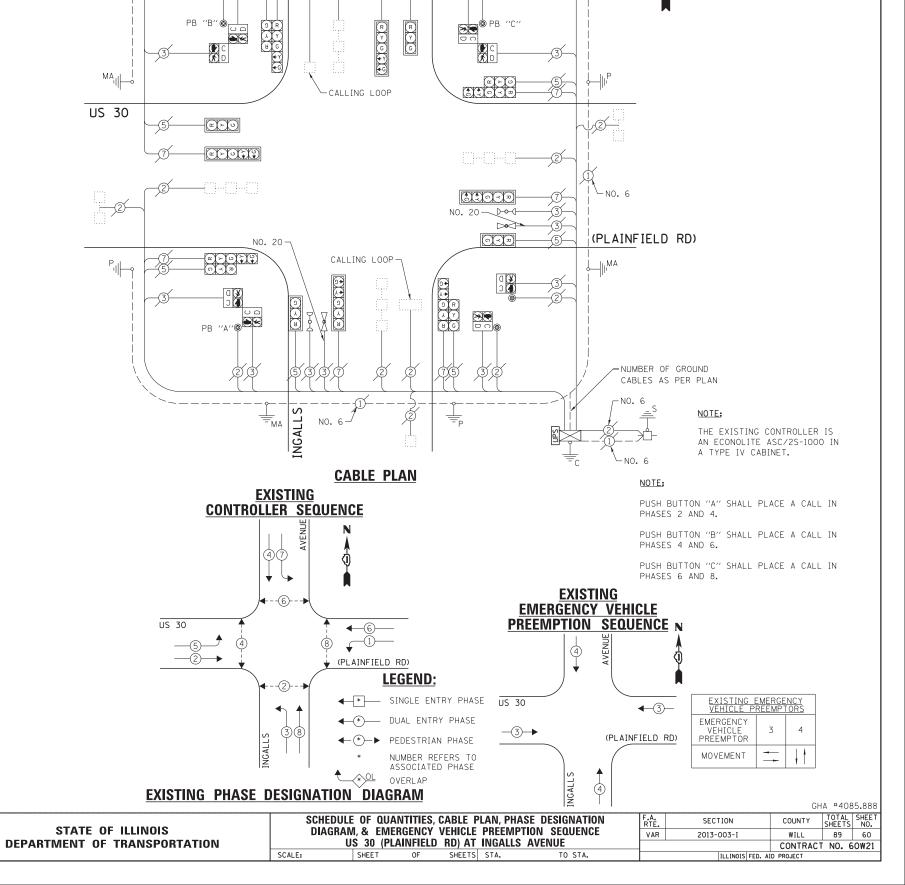
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DATE

CHECKED



SCHEDULE OF QUANTITIES U.S. 30 (PLAINFIELD RD) AT HENNEPIN DRIVE

NO.	QUANT.	UNIT	SI SI SO TEATM TEED NOT AT HEIMEI IN BRITE
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
3.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TDAF			ATION		I.D.O.T.							
	WATTAGE											
		WATT	AGE	IS	TOTAL WATTAGE							
YPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	WATTAGE							
IGNAL (RED)	17	INCAND.	L.E.D. 17	OPERATION 0.50	WATTAGE 144.5							
SIGNAL (RED) SIGNAL (YELLOW)	17 17	INCAND. 135 135	17 25	0PERATION 0.50 0.25	144.5 106.25							
IGNAL (RED)	17	INCAND.	L.E.D. 17	OPERATION 0.50	WATTAGE 144.5							
GIGNAL (RED) GIGNAL (YELLOW) GIGNAL (GREEN)	17 17 17	135 135 135	17 25 15	0PERATION 0.50 0.25 0.25	144.5 106.25 63.75							
GIGNAL (RED) GIGNAL (YELLOW) GIGNAL (GREEN) ARROW PED. SIGNAL CONTROLLER	17 17 17 24	135 135 135 135	17 25 15 12 25 100	0PERATION 0.50 0.25 0.25 0.10 1.00	144.5 106.25 63.75							
GIGNAL (RED) GIGNAL (YELLOW) GIGNAL (GREEN) GRROW DED. SIGNAL CONTROLLER LUMINAIRE	17 17 17 24 -	135 135 135 135 135 90	L.E.D. 17 25 15 12 25 100 250	0PERATION 0.50 0.25 0.25 0.10 1.00 1.00 0.50	144.5 106.25 63.75 28.8							
GIGNAL (RED) GIGNAL (YELLOW) GIGNAL (GREEN) RROW DED. SIGNAL CONTROLLER LUMINAIRE .E.D. ST. NAME SIGN	17 17 17 24 - 1	INCAND. 135 135 135 135 135	L.E.D. 17 25 15 12 25 100 250 64	OPERATION 0.50 0.25 0.25 0.10 1.00 1.00 0.50 0.50	144.5 106.25 63.75 28.8							
SIGNAL (RED) SIGNAL (YELLOW) SIGNAL (GREEN) RROW PED. SIGNAL CONTROLLER LUMINAIRE JED. ST. NAME SIGN VIDEO SYSTEM	17 17 17 24 - 1	INCAND. 135 135 135 135 135	L.E.D. 17 25 15 12 25 100 250 64 150	0PERATION 0.50 0.25 0.25 0.10 1.00 1.00 0.50 0.50	144.5 106.25 63.75 28.8 - 100.0							
GIGNAL (RED) GIGNAL (YELLOW) GIGNAL (GREEN) GRROW FED. SIGNAL GONTROLLER LUMINAIRE E.E.D. ST. NAME SIGN GIGNES SYSTEM GATTERY BACKUP	17 17 17 24 - 1 -	INCAND. 135 135 135 135 135	L.E.D. 17 25 15 12 25 100 250 64 150 25	0PERATION 0.50 0.25 0.25 0.10 1.00 0.50 0.50 0.50 0.100 1.000	144.5 106.25 63.75 28.8 - 100.0							
SIGNAL (RED) SIGNAL (YELLOW) SIGNAL (GREEN) RROW PED. SIGNAL CONTROLLER LUMINAIRE JED. ST. NAME SIGN VIDEO SYSTEM	17 17 17 24 - 1	INCAND. 135 135 135 135 135	L.E.D. 17 25 15 12 25 100 250 64 150	0PERATION 0.50 0.25 0.25 0.10 1.00 0.50 0.50 0.50 0.50 0.50 0.00 0.0	144.5 106.25 63.75 28.8 - 100.0 - - 25.0							
JIGNAL (RED) JIGNAL (RED) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL J	17 17 17 24 - 1 - - 1	INCAND. 135 135 135 135 135	L.E.D. 17 25 15 12 25 100 250 64 150 25 25	OPERATION 0.50 0.25 0.25 0.10 1.00 1.00 0.50 0.50 0.50 1.00 0.05 TOTAL =	144.5 106.25 63.75 28.8 - 100.0 - - 25.0 - 468.3							
JIGNAL (RED) JIGNAL (RED) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL J	17 17 17 24 - 1 - - 1 - - 1	INCAND. 135 135 135 135 135 135 IL DEP	L.E.D. 17 25 15 12 25 100 250 64 150 25 25 25	OPERATION 0.50 0.25 0.25 0.10 1.00 0.50 0.50 0.50 1.00 1.00 1.0	144.5 106.25 63.75 28.8 - 100.0 - - 25.0 - 468.3							
JIGNAL (RED) JIGNAL (RED) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL J	17 17 17 24 - 1 - - - 1 1 - - (ADDRESS)	INCAND. 135 135 135 135 135 IL DEP	L.E.D. 17 25 15 12 25 100 250 64 150 25 25 25 25	OPERATION 0.50 0.25 0.25 0.10 1.00 0.50 0.50 0.50 0.50 1.00 0.05 TOTAL = TRANSPORTA ER COURT	144.5 106.25 63.75 28.8 - 100.0 - - 25.0 - 468.3							
JIGNAL (RED) JIGNAL (RED) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL J	17 17 17 24 1 1 1 (ADDRESS) (ADDRESS)	INCAND. 135 135 135 135 135 90	L.E.D. 17 25 15 12 25 100 250 64 150 25 25 25 25 25 25 MBURG.	OPERATION 0.50 0.25 0.25 0.10 1.00 0.50 0.50 0.50 1.00 1.00 1.0	144.5 106.25 63.75 28.8 - 100.0 - - 25.0 - 468.3							
JIGNAL (RED) JIGNAL (RED) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL J	17 17 17 24 - - 1 - - - 1 (ADDRESS) (ADDRESS)	INCAND. 135 135 135 135 135 90 IL DEP 201 W. SCHAUM TIM CO	L.E.D. 17 25 15 12 25 100 250 64 150 25 25 T. OF CENTIMBURG.	OPERATION 0.50 0.25 0.25 0.10 1.00 1.00 0.50 0.50 0.50 1.00 1.0	144.5 106.25 63.75 28.8 - 100.0 - - 25.0 - 468.3							
JIGNAL (RED) JIGNAL (RED) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL (GREEN) JIGNAL J	17 17 17 24 - - 1 - - - 1 (ADDRESS) (ADDRESS)	INCAND. 135 135 135 135 135 135 TIL DEP 201 W. SCHAUN TIM CC 815-72	L.E.D. 17 25 15 12 25 100 250 64 150 25 25 25 17. OF CENTI MBURG. SSLET 4-5010	OPERATION 0.50 0.25 0.25 0.10 1.00 1.00 0.50 0.50 0.50 1.00 1.0	144.5 106.25 63.75 28.8 - 100.0 - - 25.0 - 468.3							

USER NAME = gwhitten

PLOT DATE = 3/28/2013

FILE NAME =

60W21-061-US30(Plainfield Rd)@Hennep

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISED

REVISED

REVISED

REVISED

DESIGNED - JRD

GW3

KLB

03-28-13

DRAWN

DATE

CHECKED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 30 (PLAINFIELD RD) AT HENNEPIN DRIVE

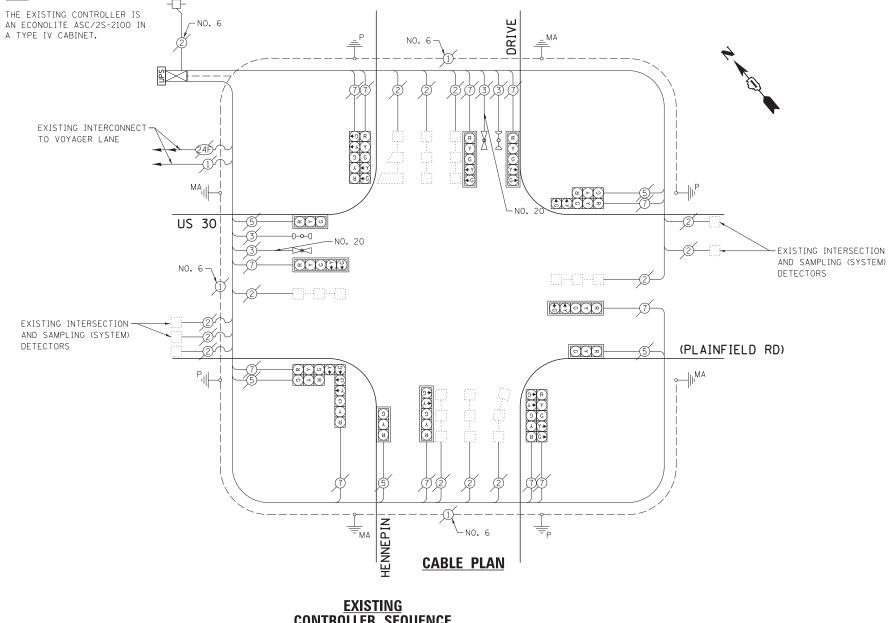
| SHEET OF SHEETS STA. TO STA.

GHA #4085.888

EXISTING EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR

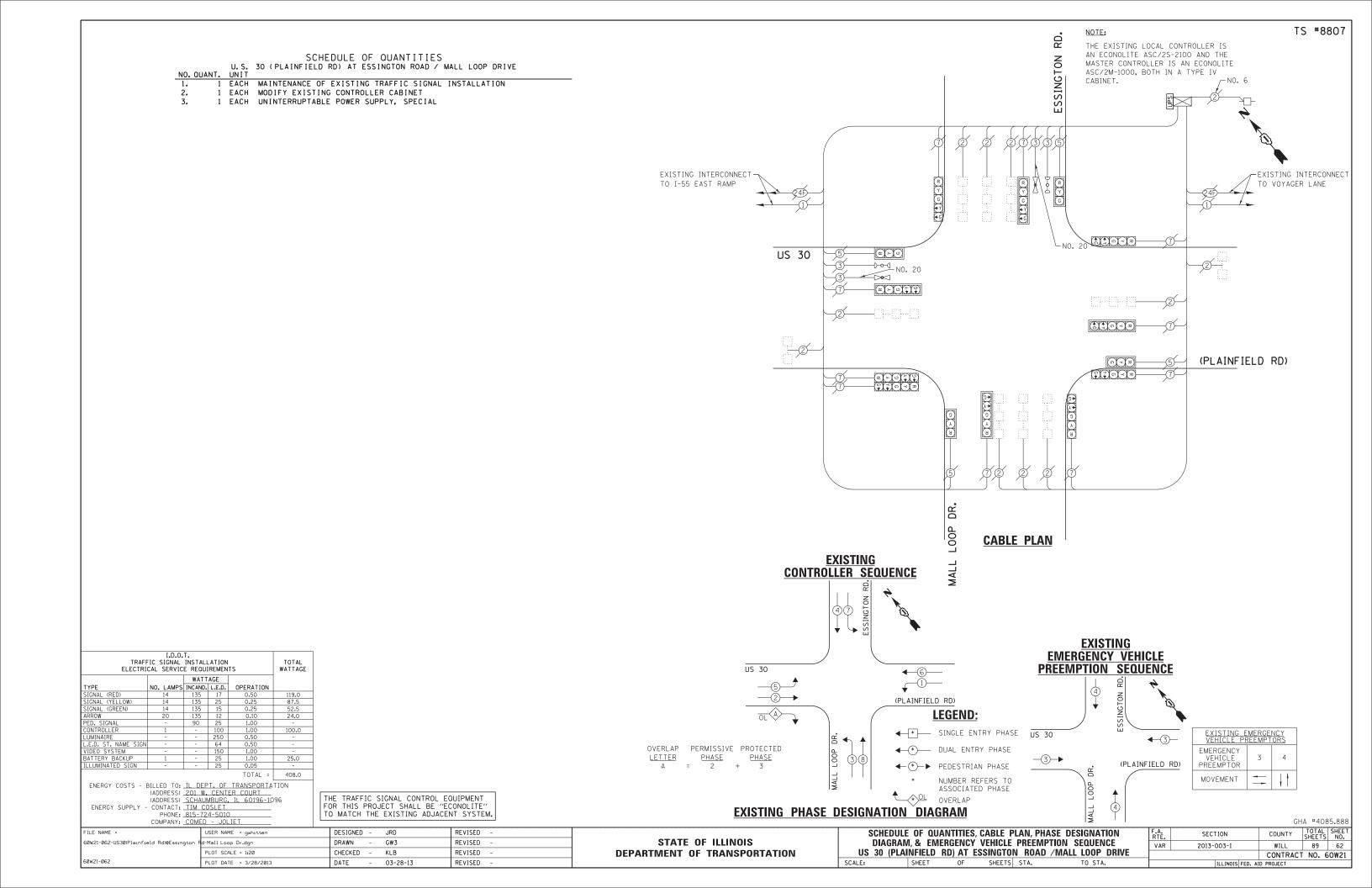
MOVEMENT

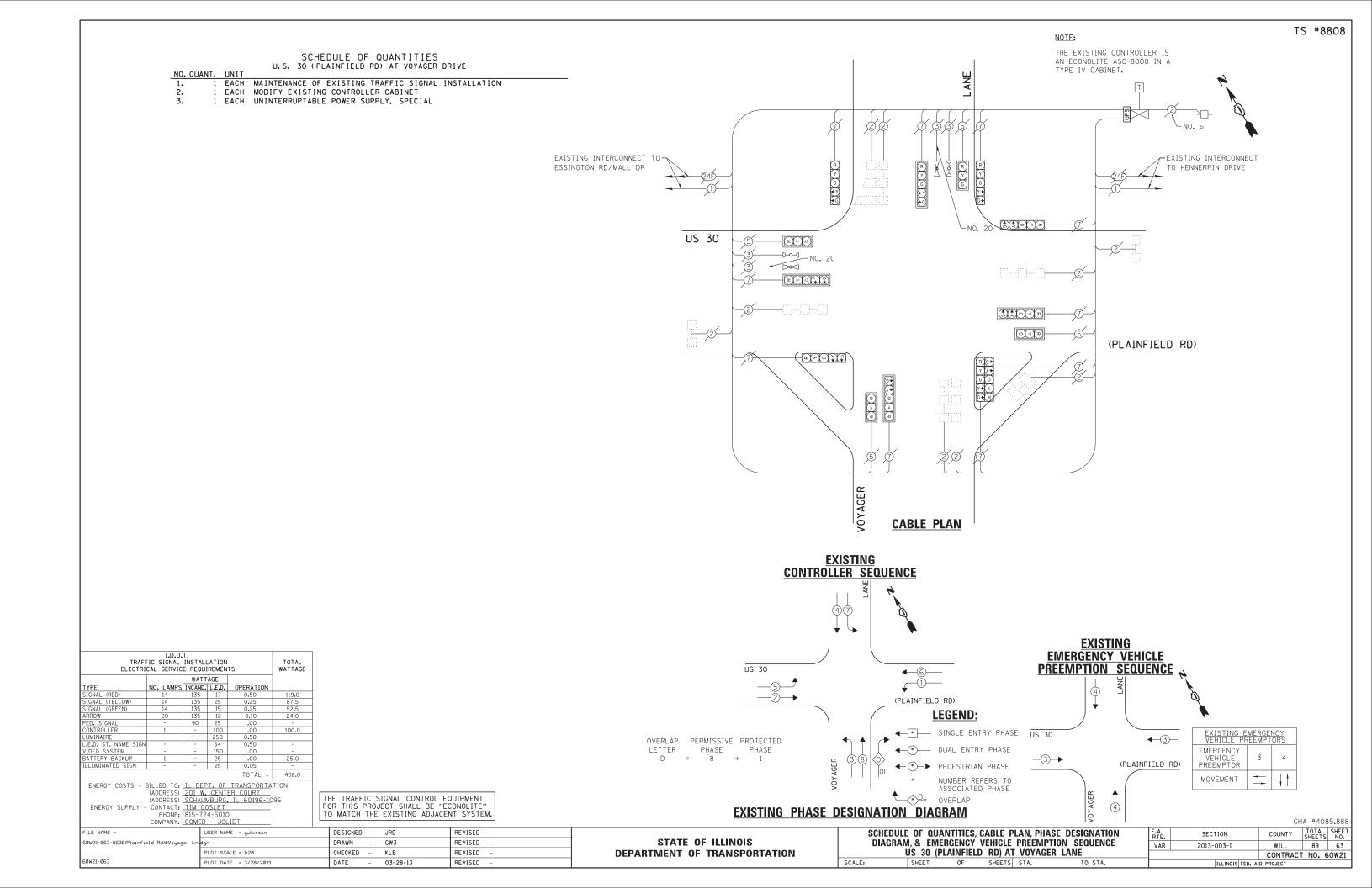


	<u>C01</u>	<u>Ntroller se</u>	<u>EQUENCE</u>	
		(B) C)	1	
			•	EXISTING
				EMERGENCY VEHICLE
	US 30		── €	PREEMPTION SEQUENCE
			√ 1)—	⊕ DRIVE
			(PLAINFIELD RD)	
			<u>LEGEND:</u>	
	ISSIVE PROTECTED	4 A	* SINGLE ENTRY PHASE	US 30 (3)—
LETTER PH B =	<u>ASE PHASE</u> 4 + 5	')]	↓ * ■ DUAL ENTRY PHASE	_
	8 + 1	HENNEPIN (8)	OL ◆ * → PEDESTRIAN PHASE	(PLAINFIELD RD)
		HENN	* NUMBER REFERS TO ASSOCIATED PHASE	Z

EXISTING PHASE DESIGNATION DIAGRAM

OVERLAP OVERLAP





F QUANTITIES V) AT HICKORY STREET OF. SCHEDULE C 30 (WESTERN A u. S.

TRAFFIC SIGNAL INSTALLATION ILVANIZED STEEL 10 FT. ILVANIZED STEEL 14 FT. H MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLA TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT. H TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT. H RELOCATE EXISTING SIGNAL HEAD H RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD H RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON H REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT H UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED UNIT EACH EACH EACH EACH EACH EACH OUANT. Š

-2" UNDERGROUND CONDUIT, GALVANIZED STEEL **₽** ° 0 THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 IN A TYPE III CABINET. ġ

NOTE:

Z **← ⑤ ←**

STREET

ONE WAY

ONE WAY

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 $\langle 1 \rangle \langle 3 \rangle$

-No. 20

US 30

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(WESTERN AV)

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(2)(3)

2000

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CONSTRUCTION NOTE:

- (1) REMOVE EXISTING PEDEDSTRIAN SIGNAL HEADS AND REPLACE EXISTING 10 FOOT PAINTED POST. INSTALL EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 10 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (2) REMOVE EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED COUPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

TRAFFIC SIGNAL POST

EACH

(3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFED. THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING RAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

CABLE PLAN

 $Y \land W$

HICKOBA

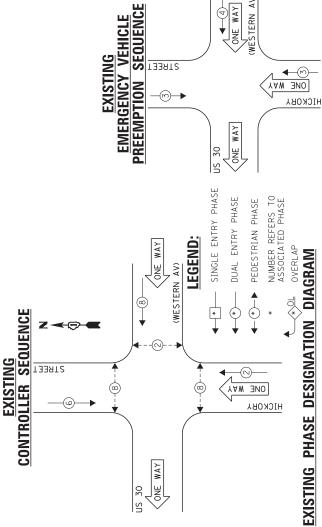
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(4) THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED. Y, GROUND MOUNTED" AND

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

NO. LAMPS INCAND. L.E.D.

IGNAL (RED)
IGNAL (YELLOW)
IGNAL (GREEN) GNAL



Z

STREE

∞→

EXISTING

DUIPMENT CONOLITE" NT SYSTEM.	REVISED -	REVISED -	REVISED -	REVISED -
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE". TO MATCH THE EXISTING ADJACENT SYSTEM.	- JRD	- GW3	- KLB	- 03-28-13
HE TRAFFIC OR THIS PR OMATCH T	DESIGNED	DRAWN	CHECKED	DATE
± E E				

404.5 25.0

ST. NAME SIGN
VIDEO SYSTEM
ELUMINATED ST.

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60136-1096
ENERGY SUPPLY - CONTACT: IIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

USER NAME = gwhitten

1:20

SCALE =

PLOT

60W21-064-US30(Western

60W21-064

NAME

FILE

REVISED REVISED REVISED REVISED JRD GW3 KLB 03-28-13

SCALE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A. RTE. VAR ONE WAY SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
US 30 (WESTERN AV) AT HICKORY STREET
| SHEET OF SHEETS | STA. TO STA.

GHA #4085,888

EMERGENCY VEHICLE PREEMPTOR MOVEMENT

STERN AV)

ONE WAY

COUNTY

SECTION 2013-003-I

WILL 89 64 CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES U.S. 30 (WESTERN AV) AT U.S. 30 (CENTER ST)

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
3.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4.	3	EACH	RELOCATE EXISTING SIGNAL HEAD
5.	6	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
6.	5	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
7.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

CONSTRUCTION NOTE:

- (I) REMOVE EXISTING PEDEDSTRIAN SIGNAL HEADS AND REPLACE EXISTING 10 FOOT PAINTED POST. INSTALL EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 10 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- ② REMOVE EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE, IF THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.
- (4) THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

DEPARTMENT OF TRANSPORTATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH TRAFFIC SIGNAL POST

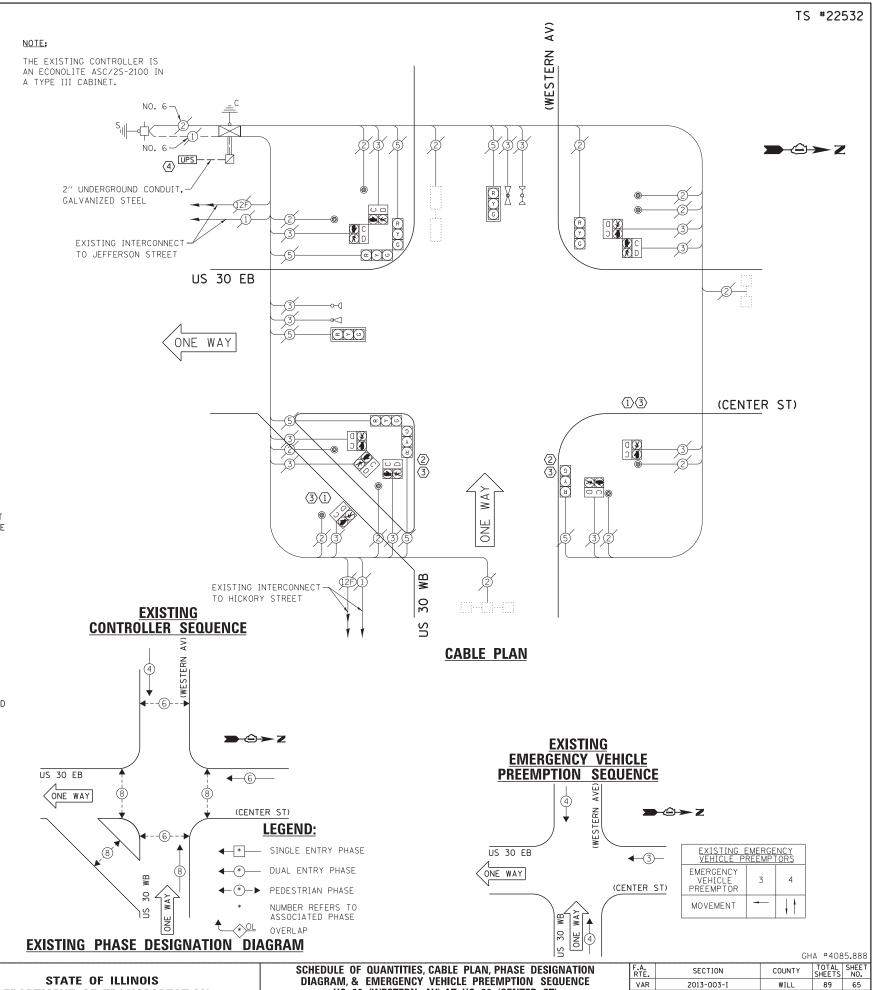
I.D.O.T.

TRAFF ELECTRI	TOTAL WATTAGE				
	WATTAGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	8	135	17	0.50	68.0
SIGNAL (YELLOW)	8	135	25	0.25	50.0
SIGNAL (GREEN)	8	135	15	0.25	30.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	10	90	25	1.00	250.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	523.0				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



US 30 (WESTERN AV) AT US 30 (CENTER ST)

SHEET

SHEETS STA.

CONTRACT NO. 60W21

SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT BARNEY DRIVE

NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

DRIVE -EXISTING INTERCONNECT TO SPRINGFIELD AVENUE MA US 52 >-0 NO. 20 -EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS -TTT 000 EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS (JEFFERSON ST) EXISTING INTERCONNECT TO CATERPILLAR DRIVE NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-2000 IN A TYPE IV CABINET. **CABLE PLAN**

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
(RED)	18	135	17	0.50	153.0
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
	4	135	12	0.10	4.8
IGNAL	10	90	25	1.00	250.0
DLLER	1	-	100	1.00	100.0
IRE	-	-	250	0.50	-
ST. NAME SIGN	-	-	64	0.50	-
SYSTEM	-	-	150	1.00	-
RY BACKUP	1	-	25	1.00	25.0
NATED SIGN		-	25	0.05	-
				TOTAL =	712.8

ENERGY COSTS - BILLED TO: <u>IL DEPT, OF TRANSPORTATION</u>
(ADDRESS) <u>201 W. CENTER COURT</u>
(ADDRESS) <u>SCHAUMBURG, IL 60196-1096</u>
ENERGY SUPPLY - CONTACT: <u>TIM COSLET</u>
PHONE: <u>815-724-5010</u>
COMPANY: <u>COMED - JOLIET</u>

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

EXISTING PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4. **CONTROLLER SEQUENCE** PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6. **EXISTING** -(6)-**EMERGENCY VEHICLE** PREEMPTION SEQUENCE N US 52 6 5 (JEFFERSON ST) **LEGEND**: SINGLE ENTRY PHASE US 52 OVERLAP PERMISSIVE PROTECTED <u>LETTER</u> <u>PHASE</u> PHASE DUAL ENTRY PHASE = 8 + 1 (JEFFERSON ST) PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENC VEHICLE PREEMPTOR EMERGENCY VEHICLE PREEMPTOR MOVEMENT

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 52 (JEFFERSON ST) AT BARNEY DRIVE SHEETS STA. SHEET

GHA #4085.888 TOTAL SHEET NO. 89 66 SECTION COUNTY VAR 2013-003-I WILL CONTRACT NO. 60W21

CONFANT: CON	_D JOLIL!						
FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED	-	
60W21-066-US52(Jefferson St)@Barney Dr.d	gn gn	DRAWN	-	GW3	REVISED	-	
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED	-	
60w21-066	PLOT DATE = 3/28/2013	DATE		03-28-13	PEVISED	_	ı

SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT CATERPILLAR DRIVE

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4.	6	EACH	RELOCATE EXISTING SIGNAL HEAD
5.	3	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
6.	1	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
7.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
8.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH TRAFFIC SIGNAL POST

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN		-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	630.6				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JIM. COSLET
PHONE: 815-724-5010

FILE NAME

60w21-067

COMPANY: COMED - JOLIET

CONSTRUCTION NOTE:

PROVIDED.

DRIVE -EXISTING INTERCONNECT TO BARNEY DRIVE US 52 $2\sqrt{3}$ NO. 20-23 _NO. 20 (JEFFERSON ST) EXISTING INTERCONNECT TO FAIRLANE DRIVE 1 REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 14 FOOT PAINTED POST. INSTALL EXISTING SIGNAL CATERPILLAR HEADS ON NEW 14 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2000 IN A TYPE IV CABINET. (2) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING **CABLE PLAN EXISTING** NOTE: **CONTROLLER SEQUENCE** PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4. (3) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS **EXISTING** ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION

(JEFFERSON ST) **LEGEND**:

— SINGLE ENTRY PHASE PERMISSIVE PROTECTED OVERLAP <u>LETTER</u> <u>PHASE</u> <u>PHASE</u> DUAL ENTRY PHASE 8 PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

US 52 **4**−3− _3→ (JEFFERSON ST)

EMERGENCY VEHICLE

PREEMPTION SEQUENCE N

EXISTING EMERGENCY VEHICLE PREEMPTORS EMERGENCY PREEMPTOR MOVEMENT

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

> STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST

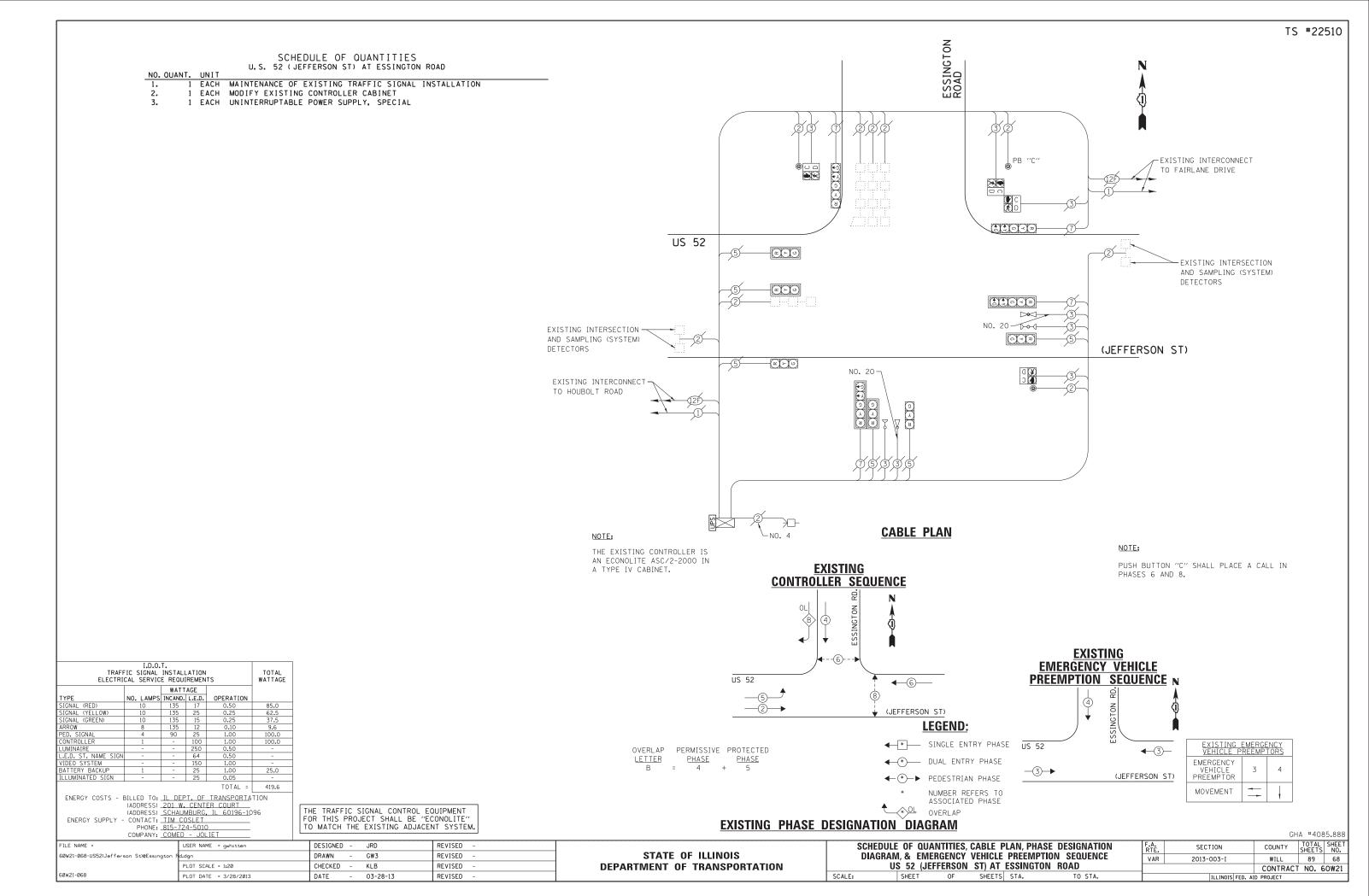
CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER, THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE

SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 52 (JEFFERSON ST) AT CATERPILLAR DRIVE SHEETS STA. SHEET

GHA #4085.888 TOTAL SHEET NO. SECTION COUNTY 89 67 VAR 2013-003-I WILL CONTRACT NO. 60W21

=	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED	-
7-US52(Jefferson St)@Caterpillar	Drive.dgn	DRAWN	-	GW3	REVISED	-
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED	-
•	PLOT DATE = 3/28/2013	DATE	-	03-28-13	REVISED	-



SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT HAMMES AVENUE

NO. QUANT. UNIT 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

AVENUE EXISTING INTERCONNECT TO LARKIN AVENUE NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2000 IN A TYPE IV CABINET. US 52 (JEFFERSON ST) EXISTING INTERCONNECT TO SPRINGFIELD AVENUE **CABLE PLAN**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE WATTAGE NO. LAMPS INCAND. L.E.D.

TOTAL =

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

<u>EXISTING</u> <u>CONTROLLER SEQUENCE</u>		
A VENUE		
4 €	<u>existing</u> Emergency vehicle	
US 52 • • • • • • • • • • • • • • • • • •	PREEMPTION SEQUENCE N	
_5	AVENUE (b)	
(JEFFERSON ST)		
LEGEND:		
◆ ★ SINGLE ENTRY PHASE	US 52 ←3 EXISTI VEHICL	NG EMERGENCY E PREEMPTORS
→ * DUAL ENTRY PHASE	EMERGEN	CY
S 38 ← → PEDESTRIAN PHASE	TICEWIT	
* NUMBER REFERS TO ASSOCIATED PHASE	MOVEMEN	VT
OL OVERLAP	WE S	
EXISTING PHASE DESIGNATION DIAGRAM	HAMMES	GHA #4085.888

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

 	,			SE DESIGNATION	
 ,	(JEFFERSON			ION SEQUENCE AVENUE	
SHEE	T OF	SHEETS	STA.	TO STA.	

SCALE:

Ī		ILL INOIS	FFD. A	ID PROJECT	.,,,,	
			CONTRACT	NO. 6	OW21	
	VAR	2013-003-I	WILL	89	69	
	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	

FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED	-	
60W21-069-US52(Jefferson St)@Hammes Ave.	dgn	DRAWN	-	GW3	REVISED	-	
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED	-	
60w21-069	PLOT DATE = 3/28/2013	DATE	-	03-28-13	REVISED	-	l

-EXISTING INTERCONNECT TO ESSINGTON ROAD

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

(JEFFERSON ST)

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE N

4

SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT HOUBOLT ROAD

NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET

1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

		٠.
	3 3 3 3	
MA _{II} -2		
US 52 5		
NO. 6 - 1 - 2		
	NO. 20 ¬	
	PB "A" @	Ī
	23 5335	2
NUMBER OF GROUND CABLES AS PER PLAN NO. 6	TION CAB	$\left\langle \right\rangle$
NOTE:	-NO. 6	
THE EXISTING CONTROLLER IS	EXISTING CONTROLLER SEQUENCE	:
AN ECONOLITE ASC/2-2000 IN A TYPE IV CABINET.	POAD SEGUENCE	

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	12	135	12	0.10	14.4
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL -	F00 4

USER NAME = gwhitten

PLOT DATE = 3/28/2013

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

FILE NAME =

60W21-070-US52(Jefferson St)@Houbolt R

GW3

KLB

03-28-13

DRAWN

DATE

CHECKED

REVISED REVISED **DEPARTMENT OF TRANSPORTATION** REVISED

SCALE:

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 52 (JEFFERSON ST) AT HOUBOLT ROAD OF SHEETS STA. SHEET

ROAD

(O)(Z)(D)

-NO. 6

CABLE PLAN

(JEFFERSON ST)

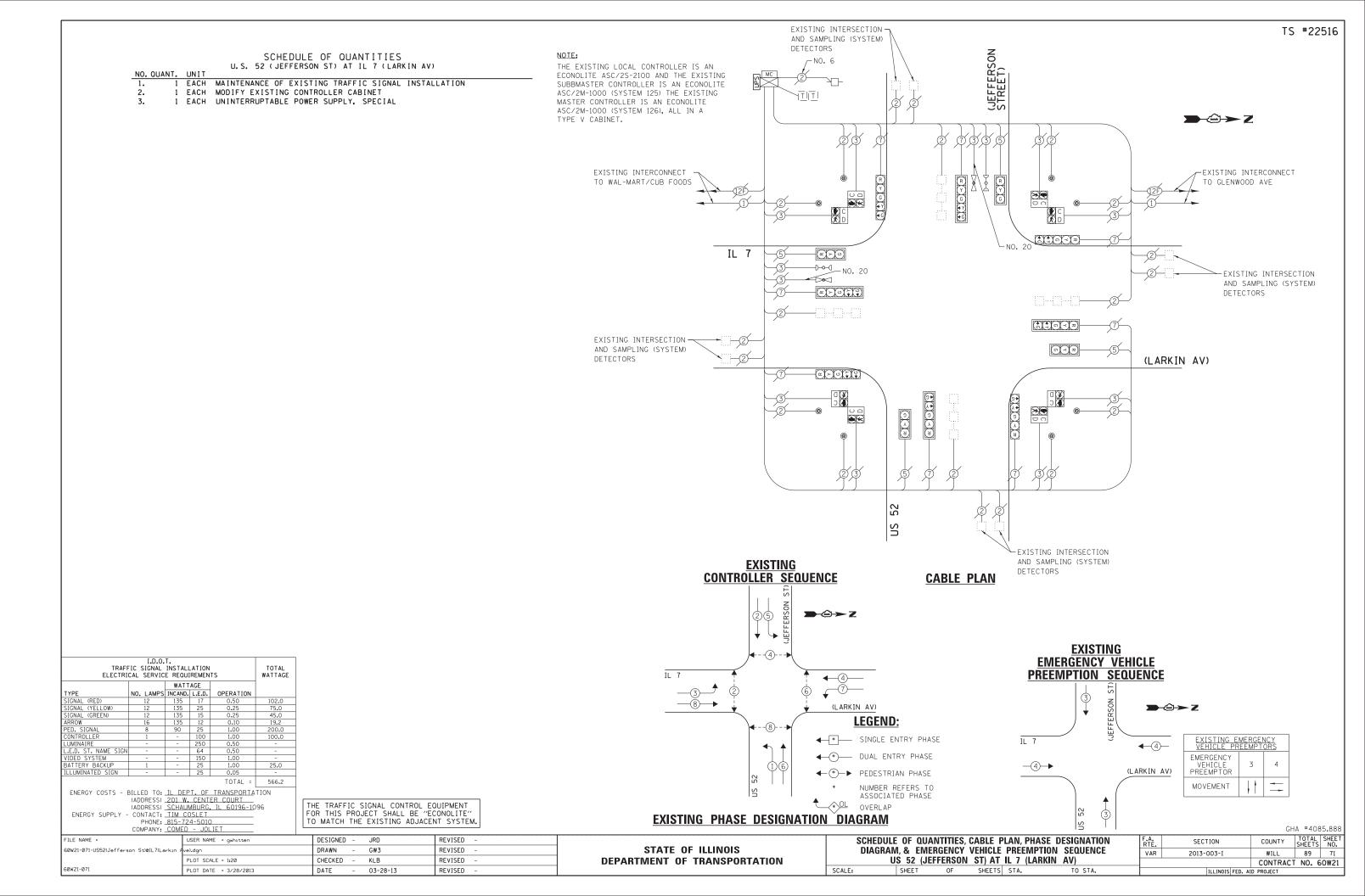
GHA #4085.888 TOTAL SHEET NO. 89 70 SECTION COUNTY 2013-003-I WILL VAR CONTRACT NO. 60W21

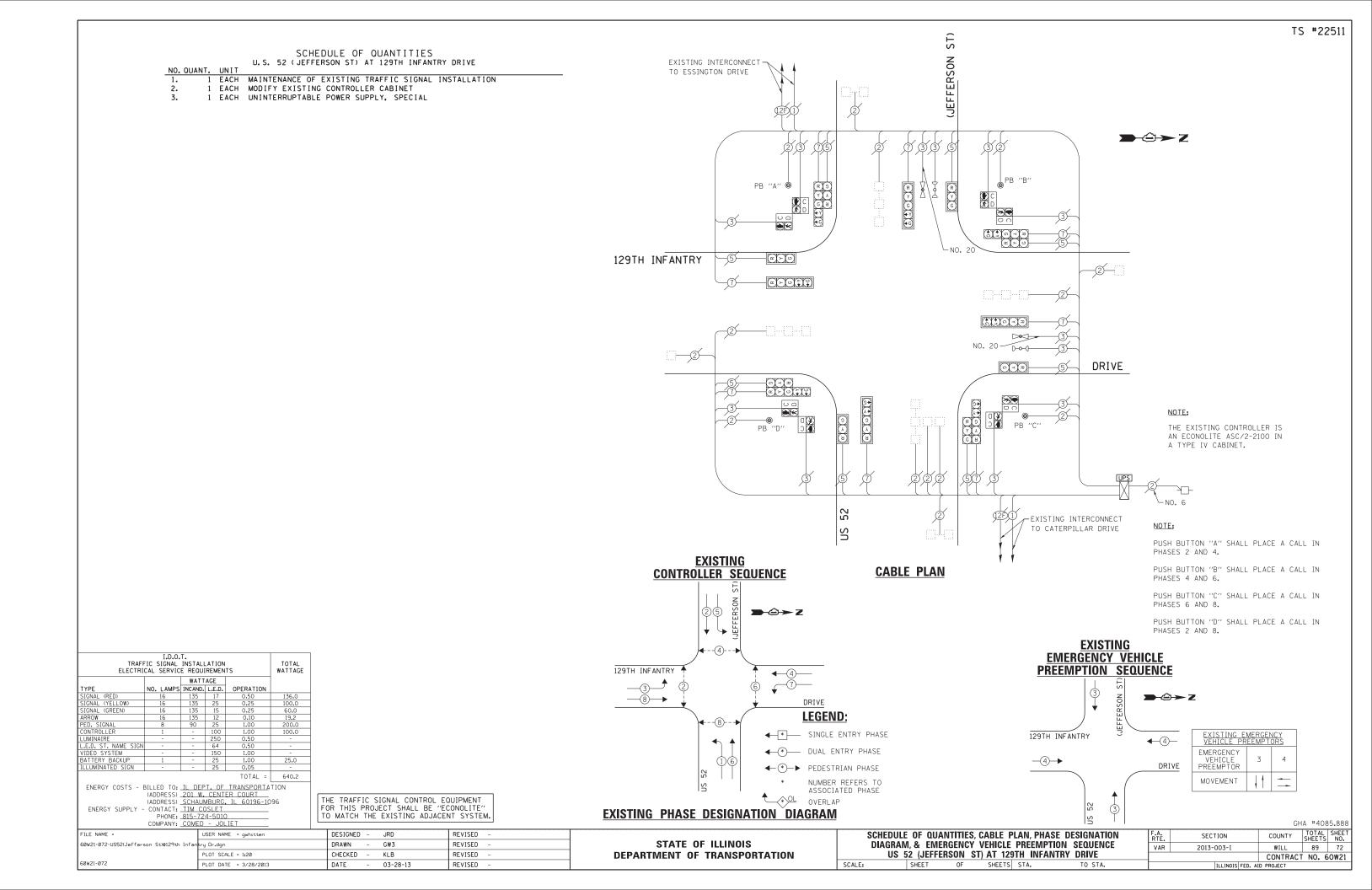
EMERGENCY VEHICLE PREEMPTOR

MOVEMENT

			OVERLAP PERMISSIVE PROTECTED LETTER PHASE PHASE D = 8 + 1 B OL NUMBER REFERS TO ASSOCIATED PHASE	efferson st)
F0	E TRAFFIC SIGNAL CONTROL EO R THIS PROJECT SHALL BE "EC MATCH THE EXISTING ADJACEN	ONOLITE"	EXISTING PHASE DESIGNATION DIAGRAM	
Т	DESIGNED - JRD	REVISED -	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.

STATE OF ILLINOIS





NOTE:

-EXISTING INTERCONNECT

TO REED STREET

(JEFFERSON ST)

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2000 IN A TYPE IV CABINET.

SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT MIDLAND AVENUE

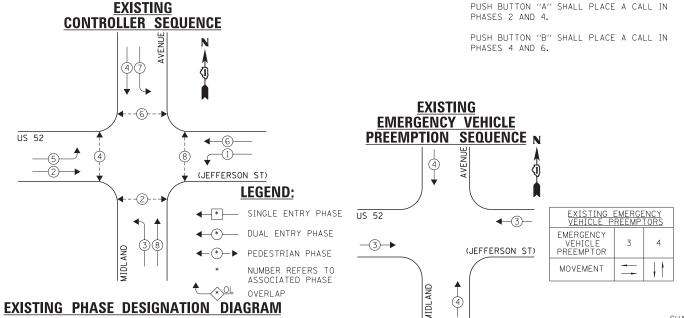
NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

EXISTING INTERCONNECT TO WOODLAWN AVE./STRYKER AVE.

TRAFF ELECTRI	TOTAL WATTAGE								
		WATT	AGE						
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION					
SIGNAL (RED)	14	135	17	0.50	119.0				
SIGNAL (YELLOW)	14	135	25	0.25	87.5				
SIGNAL (GREEN)	14	135	15	0.25	52.5				
ARROW	16	135	12	0.10	19.2				
PED. SIGNAL	8	90	25	1.00	200.0				
CONTROLLER	1	-	100	1.00	100.0				
LUMINAIRE	-	-	250	0.50	-				
L.E.D. ST. NAME SIGN	-	-	64	0.50	-				
VIDEO SYSTEM	-	-	150	1.00	-				
BATTERY BACKUP	TTERY BACKUP 1			1.00	25.0				
ILLUMINATED SIGN	-	-	25	0.05	-				
	TOTAL = 603.2								

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: ITM COSLET
PHONE: 815-724-5010 COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



AVENUE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

US 52

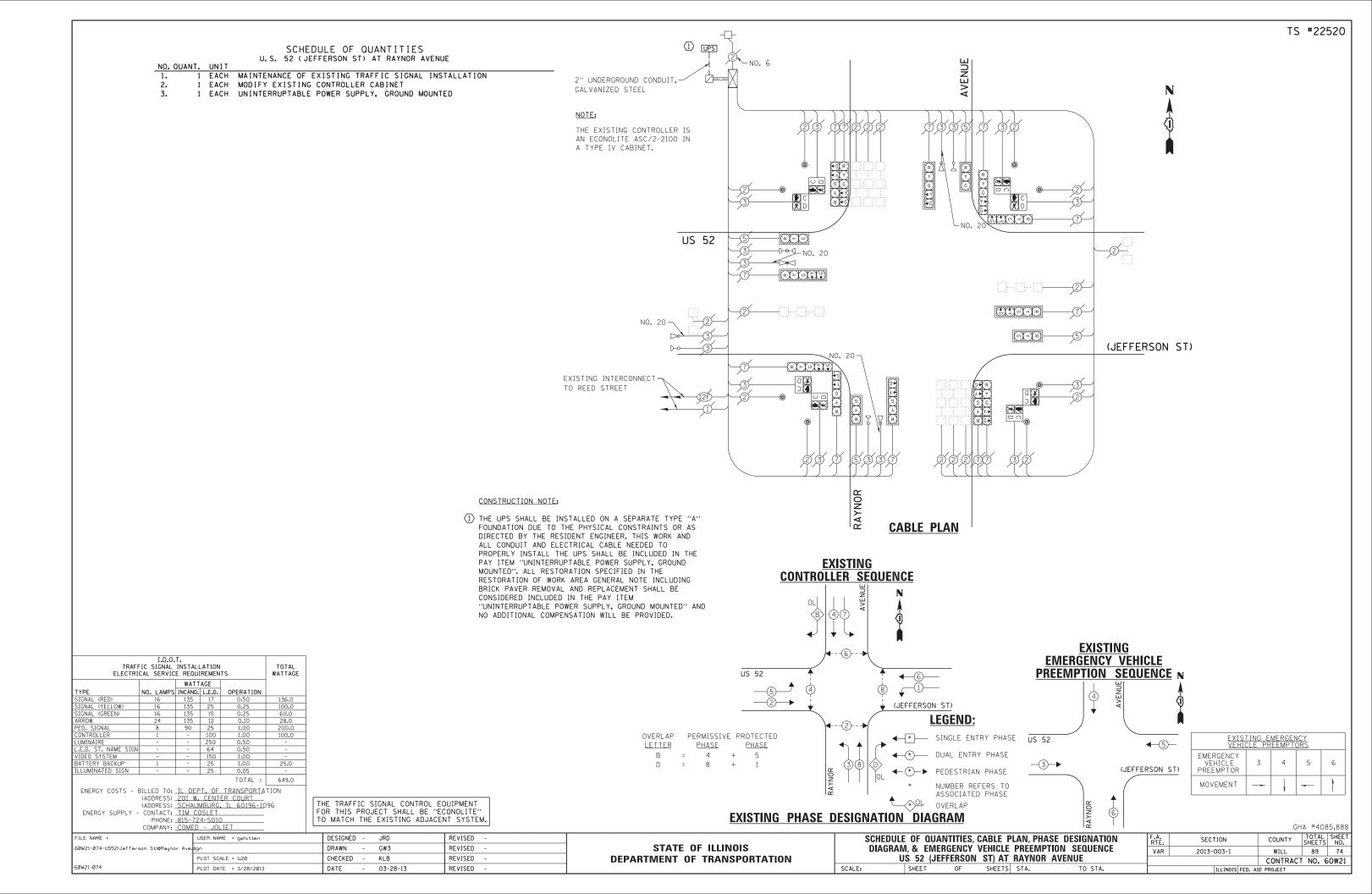
MIDLAND

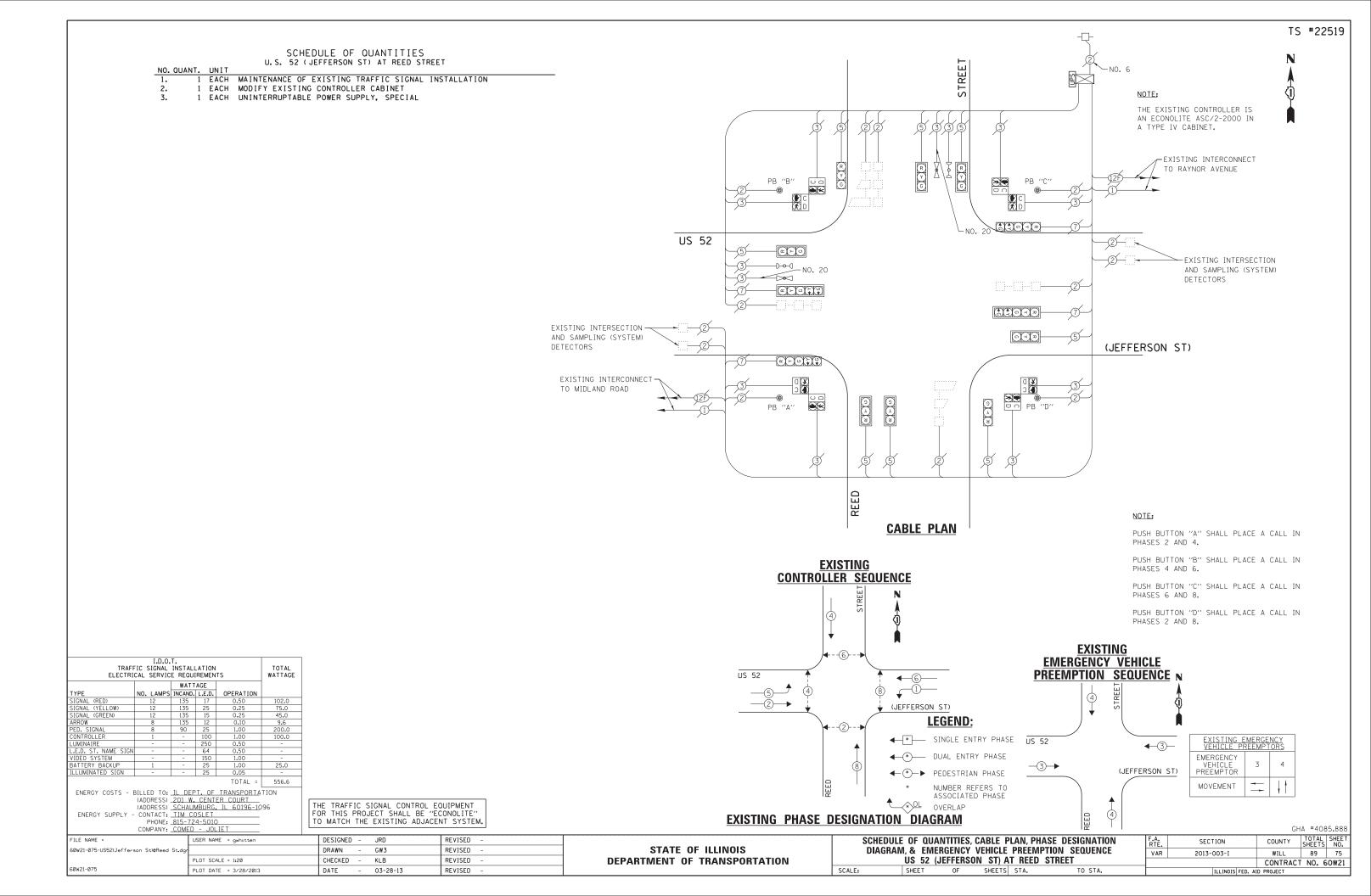
CABLE PLAN

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 52 (JEFFERSON ST) AT MIDLAND AVENUE SHEETS STA. SHEET OF

GHA #4085.888							
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
VAR	2013-003-I	WILL	89	73			
CONTRACT NO. 60W21							
THE INOIS EED AID PROJECT							

FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED	-	
60W21-073-US52(Jefferson St)@Midland Ave	.dgn	DRAWN	-	GW3	REVISED	-	
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED	-	
60w21-073	PLOT DATE = 3/28/2013	DATE	-	03-28-13	REVISED	-	





-EXISTING INTERCONNECT TO HAMMES AVENUE

(JEFFERSON ST)

SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT SPRINGFIELD AVENUE

NOTE:

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2000 IN A TYPE IV CABINET.

EXISTING INTERCONNECT

TO BARNEY DRIVE

US 52

_D-o-d_NO. 20

NO. QUANT. UNIT 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TRAFF ELECTRI	TOTAL WATTAGE						
		WATT	AGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION			
SIGNAL (RED)	13	135	17	0.50	110.5		
SIGNAL (YELLOW)	13	135	25	0.25	81.25		
SIGNAL (GREEN)	13	135	15	0.25	48.75		
ARROW	12	135	12	0.10	14.4		
PED. SIGNAL	4	90	25	1.00	100.0		
CONTROLLER	1	-	100	1.00	100.0		
LUMINAIRE	-	-	250	0.50	-		
L.E.D. ST. NAME SIGN	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	ILLUMINATED SIGN 25 0.05						
				TOTAL =	479.9		

PLOT DATE = 3/28/2013

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: B15-724-5010 COMPANY: COMED

FILE NAME =

60W21-076-US52(Jefferson St)@Springfield

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

KLB

03-28-13

REVISED

REVISED

REVISED

REVISED

DESIGNED - JRD

DRAWN

DATE

CHECKED

SPRINGFIELD **CABLE PLAN EXISTING** PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6. CONTROLLER SEQUENCE **EXISTING** EMERGENCY VEHICLE PREEMPTION SEQUENCE N US 52 (JEFFERSON ST) **LEGEND**: * SINGLE ENTRY PHASE US 52 OVERLAP PERMISSIVE PROTECTED LETTER PHASE PHASE **4**−3− **◆** DUAL ENTRY PHASE EMERGENCY VEHICLE PREEMPTOR 4 _3→ (JEFFERSON ST) NUMBER REFERS TO ASSOCIATED PHASE MOVEMENT **EXISTING PHASE DESIGNATION DIAGRAM** GHA #4085.888 SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE TOTAL SHEET NO. 89 76 SECTION COUNTY STATE OF ILLINOIS VAR 2013-003-I WILL **DEPARTMENT OF TRANSPORTATION** US 52 (JEFFERSON ST) AT SPRINGFIELD AVENUE CONTRACT NO. 60W21 SHEETS STA. SHEET

AVENUE

SCHEDULE OF QUANTITIES U.S. 52 (JEFFERSON ST) AT STRYKER AVENUE / WOODLAWN AVENUE UNIT

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

	I.D.O.				
TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	593.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION

(ADDRESS) 201 W. CENTER COURT

(ADDRESS) SCHALMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: TIM COSLET

PHONE: 815-724-5010

COMPANY: COMED - JOLIET

USER NAME = gwhitten

PLOT DATE = 3/28/2013

60W21-077-US52(Jefferson St)@Stryker Ave-Woodlawn Ave.dgn

FILE NAME =

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GW3

03-28-13

DESIGNED - JRD

CHECKED - KLB

DRAWN -

DATE -

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

DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 52 (JEFFERSON ST) AT STRYKER AV /WOODLAWN AV
SHEET OF SHEETS STA. TO STA.

WILL 89 77
CONTRACT NO. 60W21 RTÉ. VAR 2013-003-I

<u>=</u> \$		TS #22517
No. 6 No. 6	WOODLAWN	N
	WOOD	
NOTE:		
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/3-2100 IN A TYPE IV CABINET.		EXISTING INTERCONNECT TO MIDLAND AVENUE
PB "B"	R	
	No. 20 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
US 52 5 ESSO 5 DOO NO. 20		2
	Q-Q-Q-Q	
	5	
EXISTING INTERCONNECT TO LARKIN AVENUE 10 PB "A"	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
PB "A"	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
3		
	NA N	NOTE: PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
	CABLE PLAN	PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
EXISTING CONTROLLER SEQUENCE		PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
AWN AVE.		PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.
▼ Idoow		EXISTING
US 52 ↑	EMER PREEMI	GENCY VEHICLE PTION SEQUENCE N
S 4 8 1 Useffersoi	_	A A K.E.
	EGEND: SINGLE ENTRY PHASE US 52	EXISTING EMERGENCY
→ AVE.	DUAL ENTRY PHASE —(3)→	EXISTING EMERGENCY VEHICLE PREEMPTORS EMERGENCY VEHICLE 3 4 PREEMPTOR
A 01	PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE	MOVEMENT
EXISTING PHASE DESIGNATION DIA	OVERLAP GRAM	CHA #4085.888
STATE OF HUMOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DES	SIGNATION F.A. SECTION COUNTY SHEETS NO

SCHEDULE OF QUANTITIES U.S. 6 (CHANNAHON RD) AT HOLLYWOOD BOULEVARD

			O. S. O CHAMMANON NDY AT HOLLTHOOD DOOLLYAND
NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
5.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
6.	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
7.	6	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
9.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
10.	1	EACH	UNINTERRUPTABLE POWER SUPPLY. SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION

2 EACH TRAFFIC SIGNAL HEAD, 2-FACE, 3-SECTION 6 EACH TRAFFIC SIGNAL BACKPLATE

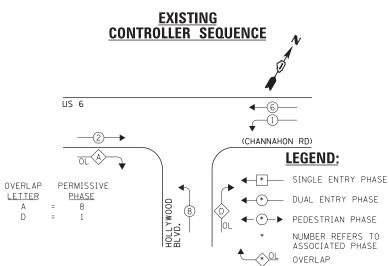
TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	356.6				

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

MA w ≻ ∪ US 6 -EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS **α** ≻ υ [→] ^ψ <u></u>Ν0. 6 EXISTING INTERSECTION w ≻ ∪ ` ∪ ∪ AND SAMPLING (SYSTEM) DETECTORS - A A C ≺ R ດ ≺ ¤ (CHANNAHON RD) \mathbb{A}_{A} CONSTRUCTION NOTE: (I) INSTALL UNINTERRUPTABLE POWER SUPPLY (UPS) ON LEFT SIDE OF THE EXISTING CONTROLLER CABINET. NUMBER OF GROUND CABLES AS PER PLAN HOLL YWOOD BLVD. 1) [UPS] **CABLE PLAN** NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-2100 IN A TYPE IV CABINET.



EXISTING PHASE DESIGNATION DIAGRAM

GHA #4085.888

TOTAL SHEET NO. 89 78 SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM FILE NAME = DESIGNED - JRD REVISED SECTION COUNTY STATE OF ILLINOIS 60W21-078-US6(Channahon Rd)@Holluwood | DRAWN GW3 REVISED VAR 2013-003-I WILL CHECKED KLB REVISED **DEPARTMENT OF TRANSPORTATION** US 6 (CHANNAHON RD) AT HOLLYWOOD BOULEVARD CONTRACT NO. 60W21 OF SHEETS STA. SHEET PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

SCHEDULE OF QUANTITIES U.S. 6 - U.S 30 (COLLINS AV) AT JOLIET HIGH SCHOOL

NO. Q	UANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
3.	2	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
4.	2	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
5.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
6.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

GALVANIZED STEEL (3) UPS-NO. 6 NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE IN A PAINTED PEDESTAL CABINET. -(c)(x)(o) US 6-US 30 1 2 12 US 6-US 30 -

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR

EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE

CONTRACT BID PRICE.

2 EACH TRAFFIC SIGNAL POST

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	4	135	17	0.50	34.0
SIGNAL (YELLOW)	4	135	25	0.25	25.0
SIGNAL (GREEN)	4	135	15	0.25	15.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	2	90	25	1.00	50.0
CONTROLLER	1	-	100	1.00	200.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
	349 N				

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JIM. COSLET
PHONE: 815-724-5010

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE"

TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTE:

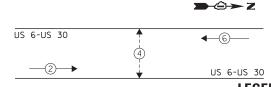
(1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 10 FOOT PAINTED POST. INSTALL EXISTING PEDESTRIAN SIGNAL HEADS ON NEW 10 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

(2) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

(3) THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

CABLE PLAN

EXISTING CONTROLLER SEQUENCE



LEGEND:

* SINGLE ENTRY PHASE ◆ * DUAL ENTRY PHASE **←**(*)**→** PEDESTRIAN PHASE NUMBER REFERS TO

ASSOCIATED PHASE OVERLAP OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

GHA #4085-888

COMPANY: COMED TOTAL SHEET NO. FILE NAME = DESIGNED - JRD REVISED SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY STATE OF ILLINOIS 60W21-079-US30(Collins Ave)@Joilet High DRAWN GW3 REVISED DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE 89 79 VAR 2013-003-I WILL CHECKED KLB REVISED **DEPARTMENT OF TRANSPORTATION** US 6 - US 30 (COLLINS AV) AT JOLIET HIGH SCHOOL CONTRACT NO. 60W21 PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED SHEET OF SHEETS STA. ILLINOIS FED. AID PROJECT

-2" UNDERGROUND CONDUIT,

SCHEDULE OF QUANTITIES
U.S. 6 (CHANNAHON RD) AT EMPRESS ROAD / BUSH PARKWAY

		U,	3. O CHANNAHON ND/ AT EMINESS NOAD / DOSH LANKWAT
NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
5.	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
6.	1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
7.	4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
9.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
10.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION
1 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION
1 EACH TRAFFIC SIGNAL HEAD, 2-FACE, 3-SECTION
1 EACH TRAFFIC SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION

4 EACH TRAFFIC SIGNAL BACKPLATE

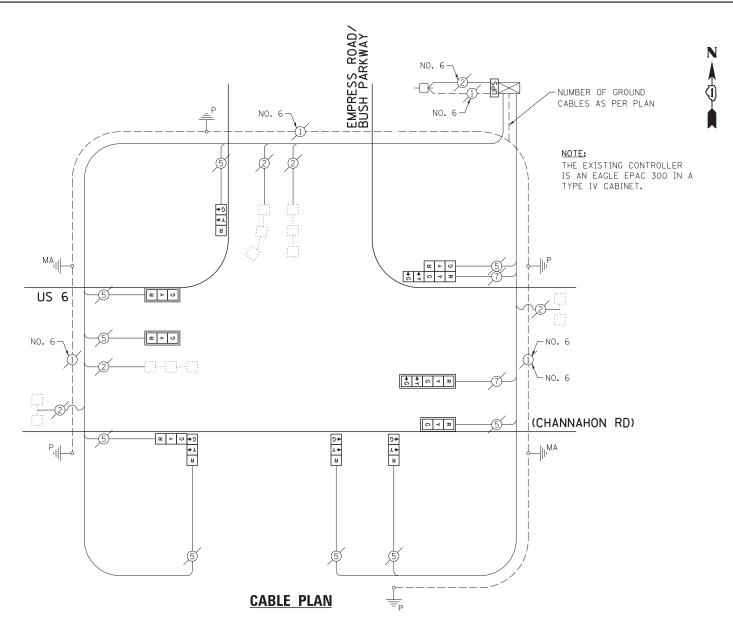
TRAFF ELECTRI	TOTAL WATTAGE						
		WATT	AGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION			
SIGNAL (RED)	11	135	17	0.50	93.5		
SIGNAL (YELLOW)	11	135	25	0.25	68.75		
SIGNAL (GREEN)	11	135	15	0.25	41.25		
ARROW	4	135	12	0.10	4.8		
PED. SIGNAL	-	90	25	1.00	-		
CONTROLLER	1	-	100	1.00	100.0		
LUMINAIRE	-	-	250	0.50	-		
L.E.D. ST. NAME SIGN	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25		
ILLUMINATED SIGN	-	-	25	0.05	-		
TOTAL =							

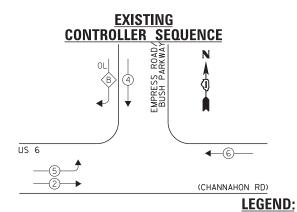
ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED - JOLIET

MATCH THE EXISTING ADJACENT SYSTEM.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO





OVERLAP PERMISSIVE PROTECTED LETTER <u>PHASE</u> = 4 + 5

★ SINGLE ENTRY PHASE

◆ * DUAL ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE OVERLAP OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

GHA #4085.888

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM VAR US 6 (CHANNAHON RD) AT EMPRESS ROAD /BUSH PARKWAY OF SHEETS STA. SHEET

TOTAL SHEET NO. SECTION COUNTY 2013-003-I WILL CONTRACT NO. 60W21

FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED -
60W21-080-US6(Channahon Rd)@Empress Rd-6	Busch Pkwy.dgn	DRAWN	-	GW3	REVISED -
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED -
60W21-080	PLOT DATE = 3/28/2013	DATE	-	03-28-13	REVISED -



SCHEDULE OF QUANTITIES

U.S. 6 (CHANNAHON RD) AT CATERPILLAR EAST DRIVE

NO. QUANT. UNIT EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED

SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED

COMBINATION SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

MODIFY EXISTING CONTROLLER CABINET

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION 2 EACH TRAFFIC SIGNAL HEAD, 2-FACE, 3-SECTION

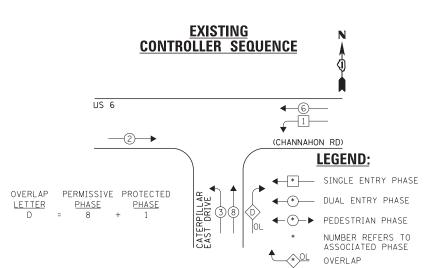
4 EACH TRAFFIC SIGNAL BACKPLATE

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM. COSLET
PHONE: 815-724-5010
COMPANY, COMED - 101 IFT

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE: NUMBER OF GROUND THE EXISTING CONTROLLER IS AN ECONOLITE ASC-8000 IN A CABLES AS PER PLAN TYPE IV CABINET. EXISTING INTERCONNECT TO-CATERPILLAR WEST DRIVE/ JOHNS MANVILLE DRIVE R ← Y ← G α > □ **α** ≻ υ US 6 (C > (S) (CHANNAHON RD) CATERPILLAR EAST DRIVE _N0. 6 **CABLE PLAN**



EXISTING PHASE DESIGNATION DIAGRAM

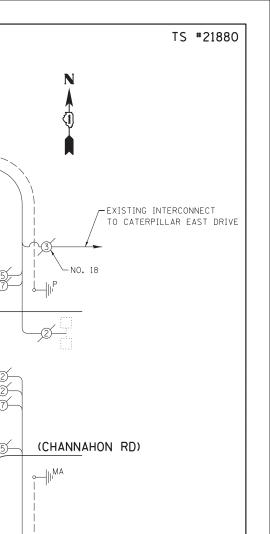
GHA #4085.888

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM US 6 (CHANNAHON RD) AT CATERPILLAR EAST DRIVE SHEETS STA. OF SHEET

A. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
/AR	2013-003-I	WILL	89	81
		CONTRACT	NO. 6	OW21
	THE INDIS EED A	IN PROJECT		

CUMPANY: COME	D - JULIEI			
FILE NAME =	USER NAME = gwhitten	DESIGNED -	JRD	REVISED -
60W21-081-US6(Channahon Rd)@Caterpillar E	Dr.dgn	DRAWN -	GW3	REVISED -
	PLOT SCALE = 1:20	CHECKED -	KLB	REVISED -
60w21-081	PLOT DATE = 3/28/2013	DATE -	03-28-13	REVISED -



PREEMPTOR

NUMBER 2

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GHA #4085-888

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SCHEDULE OF QUANTITIES

U.S. 6 (CHANNAHON RD) AT CATERPILLAR WEST DRIVE / JOHNS MANVILLE DRIVE NO. QUANT. UNIT

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH EACH SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED FACH SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED FACH

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM EACH MODIFY EXISTING CONTROLLER CABINET

EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION

EACH TRAFFIC SIGNAL HEAD, 1-FACE, 4-SECTION EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION

EACH TRAFFIC SIGNAL HEAD, 3-FACE, 3-SECTION EACH TRAFFIC SIGNAL HEAD, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION

4 EACH TRAFFIC SIGNAL BACKPLATE

MOVEMENT			1			← 2 —	6				3	1 8			1	8		F L A S H
PHASE		1+6			2+6			348				4+8						
INTERVAL	1	2A	2B	3	4A	48	5A	5B	6	7A	78	8A	8B	9	10	11A	11B	
CHANGE TO		2	+6	/	3- 4-		1+	+6	/	1-	+6	2.	+6	4+8	/	14	+6	
U.S. RTE. 6 E/B NEAR RIGHT AND RIGHT MAS ARM SIGNALS	R	R	R	G	Y	R	Υ	R	R	R	F.	R	R	R	R	R	R	R
U.S. RTE. 6 E/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	G	Y	R	Y	R	R	R	F.	R	R	R	R	R	R	R
U.S. RTE. 6 W/B NEAR RIGHT AND MAST ARM SIGNALS	G	G	G	G	Υ	R	G	G	R	R	F.	R	R	R	R	R	R	R
U.S. RTE. 6 W/B MIDDLE AND FAR LEFT SIGNALS	<-G	<-Y	<-R	<-R	<-R	<-R	<-R	<-R	<-R	<-R	<-3	<-R	<-R	<-R	<-R	<-R	<-R	<-F
WEST CATERPILLAR DRIVE NB NEAR AND FAR RIGHT SIGNALS	R G->	R Y->	R	R	R	R	R	R	G	G->	F. G>	Υ	R	G	G	Y	R	R
WEST CATERPILLAR DRIVE N/B MIDDLE AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	G <-G	Υ	F.	Υ	R	G <-Y	G	Υ	R	R
JOHN MANVILLE DRIVE 5/B ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	F.	R	R	R	G	Y	R	R

IMPORTANT NOTE: CHART SEQUENCES ARE

FOR INFORMATION ONLY

NOTE:

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-2100 IN A TYPE IV CABINET.

_					EXISTING RAILROAD PREEMPTION SEQUENCE OF OPERA	TION
	4 + E		L	CHANGE FROM NORMAL SEQUENCE OF OPERATIONS INTERVAL NUMBER		
	ļ	8		S	RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A
	4+8 10 11A 11B			CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	
9				U.S. RTE. 6 E/B NEAR RIGHT AND RIGHT MAS ARM SIGNALS	R	
+8	8		+6 +6		U.S. RTE. 6 E/B FAR LEFT AND END MAST ARM SIGNALS	R
	/_				U.S. RTE. 6 W/B NEAR RIGHT AND MAST ARM SIGNALS	Υ
R	R	R	R	R	U.S. RTE. 6 W/B MIDDLE AND FAR LEFT SIGNALS	<-Y
R	R	R	R	R	WEST CATERPILLAR DRIVE N/B NEAR AND FAR RIGHT SIGNALS	R Y->
-R	<-R	<-R	<-R	<-R	WEST CATERPILLAR DRIVE N/B MIDDLE AND FAR LEFT SIGNALS	R
G	G	Y	R	R	JOHN MANVILLE DRIVE S/B	R
G -Y	G	Y	R	R	ALL SIGNALS	3466
R	G	Y	R	R	\triangle RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE	THE

NUMBER OF GROUND

CABLES AS PER PLAN

G Y R

w ≻ ∪

> º

RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD

<-Y <-R

NO. 6

CABLE PLAN

MANVILLE

JOHNS DRIVE

R Y G +Y +G

Ω ≺ Z

I.D.O.T.										
TD45	TOTAL									
	TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
ELECTRI	WATTAGE									
		WATT	AGE							
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION						
SIGNAL (RED)	15	135	17	0.50	127.5					
SIGNAL (YELLOW)	15	135	25	0.25	93.75					
SIGNAL (GREEN)	15	135	15	0.25	56.25					
ARROW	8	135	12	0.10	9.6					
PED. SIGNAL	-	90	25	1.00	-					
CONTROLLER	1	-	100	1.00	100.0					
LUMINAIRE		-	250	0.50	-					
L.E.D. ST. NAME SIGN	-	-	64	0.50	-					
VIDEO SYSTEM	-	-	150	1.00	-					
BATTERY BACKUP	1	-	25	1.00	25.0					
ILLUMINATED SIGN	-	-	25	0.05	-					
				TOTAL =	412.1					

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET PHONE: 815-724-5010

Dr-Johns M.dan

PLOT DATE = 3/28/2013

COMPANY: COMED

FILE NAME

60W21-082-US6(Channahon Rd)@Caterpilla

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

> & RAILROAD SEQUENCE OF OPERATIONS VAR

CATERPILLAR WEST DRIVE

SCHEDULE OF QUANTITIES, CABLE PLAN, SEQUENCE OF OPERATIONS SECTION COUNTY 2013-003-I WILL 89 82 US 6 (CHANNAHON RD) AT CATERPILLAR WEST DR /JOHNS MANVILLE DR CONTRACT NO. 60W21 SHEETS STA. SHEET OF

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DESIGNED - JRD REVISED DRAWN GW3 REVISED CHECKED KLB REVISED REVISED DATE 03-28-13

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

MA

US 6

NO. 6-

SCHEDULE OF QUANTITIES U.S. 6 - IL 171 (COLLINS ST) AT U.S. 6 (JACKSON ST)

NO. QUANT. UNIT 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 1 EACH UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED

NOTE:

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 IN A TYPE III CABINET.

CONSTRUCTION NOTE:

THE UPS SHALL BE INSTALLED ON A SEPARATE TYPE "A" FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK AND ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED". ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE INCLUDING BRICK PAVER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

TRAFI ELECTRI	TOTAL WATTAGE					
	WATTAGE					
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	12	135	17	0.50	102.0	
SIGNAL (YELLOW)	12	135	25	0.25	75.0	
SIGNAL (GREEN)	12	135	15	0.25	45.0	
ARROW	16	135	12	0.10	19.2	
PED. SIGNAL	8	90	25	1.00	200.0	
CONTROLLER	1	-	100	1.00	100.0	
LUMINAIRE	-	-	250	0.50	-	
L.E.D. ST. NAME SIGN	-	-	64	0.50	-	
VIDEO SYSTEM	-	-	150	1.00	-	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
				TOTAL =	566.2	

ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010 COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

	± _{MA} of	└NO. 6		
	SUS			
<u>EXISTING</u> Controller Sequence	COLLIN	CABLE PLAN		
ILIG N	0)			
• • •			EXISTIN	IG
↓ ⊚ ▶			EMERGENCY	VEHICLE
JACKSON STREET			PREEMPTION S	SEQUENCE N
(3) (4) (8) (US 6 (JACKSON	N CTV		11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1 T
LFG.	SEND:) \(\psi \) [3]	11
The single singl	NGLE ENTRY PHASE	.1.	ACKSON STREET	
	AL ENTRY PHASE	0.		4 -3− US 6
3 8 + - PEC	DESTRIAN PHASE		<u>−3</u> →	(JACKSON ST)
• * NUN ΔSS	MBER REFERS TO SOCIATED PHASE		ĵ.	
Si vel ove	ERLAP			
EXISTING PHASE DESIGNATION DIAGRA	AIVI		US 6	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

-2" UNDERGROUND CONDUIT,

NUMBER OF GROUND

CABLES AS PER PLAN

GALVANIZED STEEL

MA_i||

JACKSON STREET

NO. 6

1

NO. 6-

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE US 6 - IL 171 (COLLINS ST) AT US 6 (JACKSON ST) SHEET OF SHEETS STA.

ST)

ILL 171 (COLLINS

NO. 6

SECTION COUNTY 89 83 VAR 2013-003-I WILL CONTRACT NO. 60W21

EMERGENCY VEHICLE PREEMPTOR MOVEMENT

GHA #4085.888

US 6 (JACKSON ST)

FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED	-	_
60W21-083-US6IL17I(Collins St)@US6(Jackson	St).dgn	DRAWN	-	GW3	REVISED	-	1
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED	-	1
60W21-083	PLOT DATE = 3/28/2013	DATE	-	03-28-13	REVISED	-	1

SCHEDULE OF QUANTITIES U.S. 6 (JACKSON ST) AT HENDERSON AVENUE

EACH EACH EACH EACH EACH QUANT.

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. RELOCATE EXISTING SIGNAL HEAD RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD MODIFY EXISTING PEDESTRIAN PUSH-BUTTON MODIFY EXISTING CONTROLLER CABINET REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT UNINTERRUPTABLE POWER SUPPLY, SPECIAL UNIT

CONSTRUCTION NOTE:

- (1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL EXISTING SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- ② AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING PRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT IS ACCEPTABLE. THE EXISTING ANCHOR BOLT SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED. \bigcirc

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED COUPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

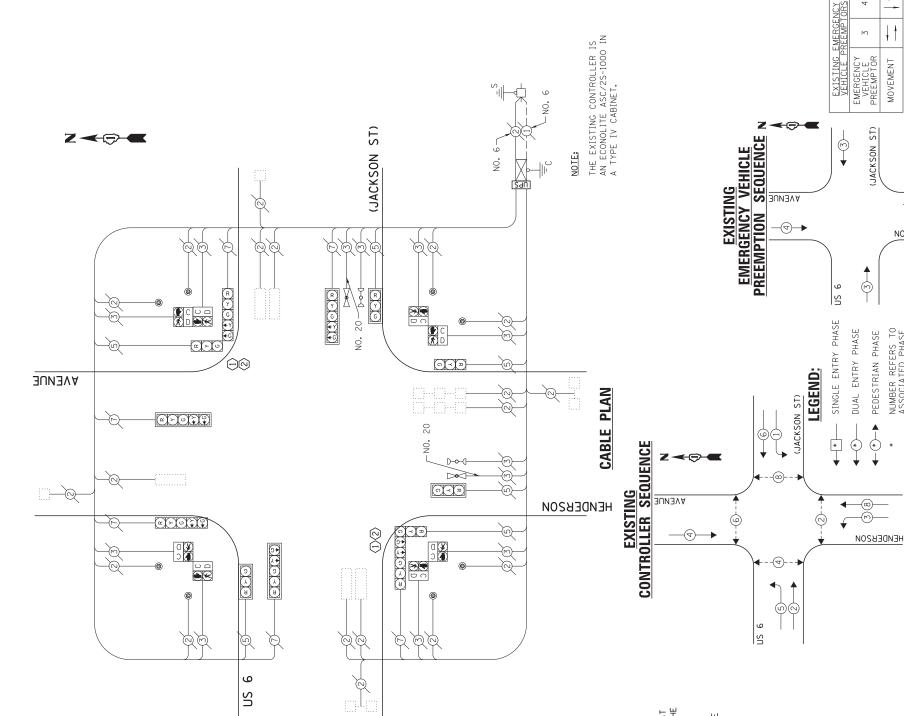
TRAFFIC SIGNAL POST

EACH

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

NO. LAMPS INCAND. L.E.D.

IGNAL (RED)
IGNAL (YELLOW)
IGNAL (GREEN) IGNAL



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

556.6

VIDEO SYSTEM
LLUMINATED

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBIRG. IL 60196-1096
ENERGY SUPPLY - CONTACT: IIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

USER NAME = gwhitten

1:20

SCALE :

St)@Her

60W21-084-US6(Jackson

60W21-084

NAME

FILE

JRD GW3 KLB 03-28-13 DESIGNED DRAWN CHECKED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION REVISED REVISED REVISED REVISED

F.A. RTE. VAR SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
US 6 (JACKSON ST) AT HENDERSON AVENUE

| SHEET OF SHEETS | STA. TO STA. HENDEBOON

GHA #4085,888

MOVEMENT

4--(₹)

NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP

₹ *

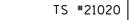
EXISTING PHASE DESIGNATION DIAGRAM

SCALE

COUNTY

SECTION 2013-003-I

WILL 89 84 CONTRACT NO. 60W21



SCHEDULE OF QUANTITIES U.S. 6 (MAPLE RD) AT BRIGGS STREET / FERNWOOD AVENUE

		U	. 3. O (MALLE ND) AT DIVIOUS STREET / FERNINOUD AVENUE
NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
3.	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
5.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
6.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
7.	2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
8.	4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
9.	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10.	10	EACH	INDUCTIVE LOOP DETECTOR
11.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
12.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
13.	4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

CONSTRUCTION NOTE:

(1) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

(2) AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER, THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

NO. 6 NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE ASC 8000 IN A PAINTED TYPE IV CABINET.		3 7 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NO. 6 R Y G HY CALLING LOOP	S A A A A A A A A A A A A A A A A A A A		
AND REPLACE EXISTING NEW SIGNAL HEADS AND N NEW 16 FOOT EXISTING TYPE "A" ING CABLES. RE TRAFFIC SIGNAL SIGNAL POST HE CONTRACTOR SHALL HDATIONS. PRIOR TO SIGNAL POST TO BE L VERIFY THAT THE HOR BOLT IS HOR BOLT IS G TRAFFIC SIGNAL POST BE REMOVED AFTER THE DONDITION OF THE THE CONTRACTOR OF TRAFFIC SIGNAL COMPENSATION WILL BE	P _I 3	33 55	CALLING LOOP A* O NO. 6		DIE:	
<u>EX</u> <u>C</u>	ISTING AND PROPOSED ONTROLLER SEQUENCE	BRI	CABLE PLAN	РН РГ РГ РН РГ	JSH BUTTON "A" SHALL PLAC HASES 2 AND 4. JSH BUTTON "B" SHALL PLAC HASES 4 AND 6. JSH BUTTON "C" SHALL PLAC HASES 6 AND 8. JSH BUTTON "D" SHALL PLAC HASES 2 AND 8.	CE A CALL IN

AVE.

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1 EACH CONTROLLER CABINET (COMPLETE) 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION 6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION EACH TRAFFIC SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION EACH TRAFFIC SIGNAL BACKPLATE EACH TRAFFIC SIGNAL POST

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE

CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR

EACH PEDESTRIAN SIGNAL HEAD 4 EACH PEDESTRIAN PUSH-BUTTON

CONTRACT BID PRICE.

EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE

TRAFF ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	603.2

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

(MAPLE RD) **LEGEND:** --4)--★ SINGLE ENTRY PHASE ◆ * DUAL ENTRY PHASE 52 ◆
(*)

PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE

EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM

GHA #4085-888 TOTAL SHEET SHEETS NO.

89 85

REVISED FILE NAME : DESIGNED - JRD 60W21-085-US6(Maple Rd)@Briggs St-Fernwood Ave.dgn DRAWN GW3 REVISED CHECKED KLB REVISED PLOT DATE = 3/28/2013 DATE 03-28-13 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES, CABLE PLAN SECTION COUNTY & PHASE DESIGNATION DIAGRAM VAR 2013-003-I WILL US 6 (MAPLE RD) AT BRIGGS STREET /FERNWOOD AVENUE CONTRACT NO. 60W21 OF SHEETS STA. SHEET ILLINOIS FED. AID PROJECT

A CALL IN

SCHEDULE OF QUANTITIES U.S 6 (MAPLE RD) AT WALNUT AVENUE / DRAPER AVENUE

			U. 5 6 (MAPLE RD) AT WALNUT AVENUE / DRAFER AVENUE
NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
4.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
5.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
6.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
7.	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
9.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
10.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 4-SECTION 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION

- 8 EACH TRAFFIC SIGNAL BACKPLATE

TRAFI ELECTRI	TOTAL WATTAGE				
		WATT	AGE		
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	371.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED

FILE NAME :

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE N (MAPLE RD) **LEGEND**: * SINGLE ENTRY PHASE US 6 4-4-**◆** * DUAL ENTRY PHASE EMERGENCY VEHICLE PREEMPTOR _3→ (MAPLE RD) ◆ (*) PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE MOVEMENT THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO **EXISTING PHASE DESIGNATION DIAGRAM** MATCH THE EXISTING ADJACENT SYSTEM. GHA #4085.888 SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE TOTAL SHEET NO. DESIGNED - JRD REVISED SECTION COUNTY STATE OF ILLINOIS 60W21-086-US6(Maple St)@Walnut Ave-Drag DRAWN GW3 REVISED 89 86 VAR 2013-003-I WILL CHECKED KLB REVISED **DEPARTMENT OF TRANSPORTATION** US 6 (MAPLE RD) AT WALNUT STREET / DRAPER AVENUE CONTRACT NO. 60W21 SHEETS STA. PLOT DATE = 3/28/2013 DATE REVISED SHEET 03-28-13 OF

- x > 0 } Ŷ

MA_{II}|

US 6

TS #7410

NOTE:

-NUMBER OF GROUND

-NO. €

¹—||_|МА

(MAPLE RD)

CABLES AS PER PLAN

THE EXISTING CONTROLLER IS AN EAGLE EPAC 300 IN A

TYPE IV CABINET.

DRAPER

↑ ↑ 0 ≺ **2**

C ≺ 20

R Y G +G

с . .

CABLE PLAN

ST

EXISTING

CONTROLLER SEQUENCE

TS #22563

SCHEDULE OF QUANTITIES

U.S. 6 - U.S. 30 (JEFFERSON ST) AT RICHARDS STREET

AND RICHARDS STREET AT WASHINGTON

NO. QUANT. UNIT

1. 2 EACH
2. 1 EACH
3. 1 EACH 2 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

MOVEMENT			∹						,	↑ ←	 					4	, 7	•						÷	_			
MOVEMENT				4	`.	<u></u>					r	1			=====================================		<u> </u>						1	*	Ļ	_		
PHASE				1						:	2					3	3						4					1
INTERVAL	1	2A	2B	ЗА	3B	4A	4B	5	6	7A	7B	8A	8B	9	10	11A	11B	12A	12B	13	14	15A	15B	16A	16B	17A	17B	
CHANGE FO			2		3	2	r:	/				3	3	/		1		:	2	/		,	1	2	2	3	3	
JEFFERSON ST. E/B SIGNALS AT HERKIMER ST.	G	Υ	R	Υ	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Ť
IEFFERSON ST. W/B FAR RIGHT SIGNAL AT HERKIMER ST.	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	Y	R	t
JEFFERSON ST. W/B MAST ARM & FAR LEFT SIGNALS AT HERKIMER ST.	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G <-G	G <- G	Y	R	Υ	R	Y	R	1
HERKIMER ST. S/B SIGNALS AT JEFFERSON ST.	R	R	R	R	R	R	R	G	G	Υ	R	G	G	G	G	Υ	R	G	G	R	R	R	R	R	R	R	R	T
HERKIMER ST N/B SIGNALS AT JEFFERSON ST.	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	G	Υ	R	G	G	R	R	R	R	R	R	R	R	I
RICHARDST. S/B FAR RIGHT & MID MAST ARM SIGNALS AT WASHINGTON ST.	G	Υ	R	Υ	R	G	G	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Υ	R	Υ	R	
RICHARDST, S/B FAR LEFT & END MAST ARM SIGNALS AT WASHINGTON ST.	G <- G	Υ	R	Υ	R	G <- G	G <- G	R	R	R	R	R	R	R	R	R	R	R	R	G <- G	G <-G	G <- G	G <- G	Υ	R	Υ	R	
CHARDST. N/B FAR RIGHT & MID MAST ARM SIGNALS AT WASHINGTON ST.	R	R	R	R	R	R	R	G	G	Υ	R	Υ	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
RICHARDST. N/B FAR LEFT & END MAST ARM SIGNALS AT WASHINGTON ST.	R	R	R	R	R	R	R	G <- G	G c- G	Υ	R	Υ	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Ī
VASHINGTON ST, E/B SIGNALS IT RICHARD ST.	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	Υ	R	R	R	R	R	R	R	R	R	
VASHINGTON ST. W/B FAR RIGHT & MID MAST ARM SIGNALS AT RICHARD ST.	R G->	R Y.>	R	R G->	R G→	R G->	R G->	R	R	R	R	R	R	G	G	Y G->	R G->	Y	R	R G->	R G->	R G->	R G->	R Y->	R	R G->	R G->	,
VASHINGTON ST. W/B FAR LEFT & END VAST ARVI SIGNALS AT RICHARD ST.	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	Υ	R	R	R	R	R	R	R	R	R	1
EDESTFIAN SIGNALS CROSSING EAST LEG OF WASHINGTON ST. AT RICHARD ST.	н	Н	н	н	н	Н	н	* P	"FH	н	н	н	н	Н	н	Н	Н	н	н	н	н	Н	н	н	Н	н	н	1
EDESTFIAN SIGNALS CROSSING WEST LEG F WASHINGTON ST. AT RICHARD ST.	н	н	н	н	н	Н	н	н	н	н	н	н	н	Н	Н	Н	Н	н	н	•р	•• FH	н	Н	н	Н	Н	н	
EDESTFIAN SIGNALS CROSSING SOUTH LEG F RICHARD ST. AT WASHINGTON ST.	н	н	н	н	Н	н	н	н	н	н	н	н	н	•Р	•• FH	Н	н	н	н	н	Н	н	Н	н	Н	н	н	
EDESTFIAN SIGNALS CROSSING EAST LEG F JEFFERSON ST. AT HERKIMER ST.	н	н	н	н	н	н	н	• Р	"FH	Н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	
EDESTFIAN SIGNALS CROSSING WEST LEG F JEFFERSON ST. AT HERKIMER ST.	н	Н	н	н	н	н	н	• p	"FH	Н	н	Н	н	Н	н	Н	Н	Н	Н	н	Н	н	н	н	Н	Н	Н	-
PEDESTFIAN SIGNALS CROSSING NORTH OF HERKIMER ST. AT JEFFERSON ST.	н	н	н	н	н	н	н	Н	н	Н	н	н	н	н	н	н	н	н	н	•р	"FH	н	н	н	н	Н	н	

H = HAND

TRAFF ELECTRI	TS	TOTAL WATTAGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	29	135	17	0.50	246.5
SIGNAL (YELLOW)	29	135	25	0.25	181.25
SIGNAL (GREEN)	35	135	15	0.25	131.25
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	14	90	25	1.00	350.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	1038.8

ENERGY COSTS - BILLED TO: JL_DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010
COMPANY: COMED - JOLIET

IMPORTANT NOTE: CHART SEQUENCES ARE FOR INFORMATION ONLY

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

COMPANT: COM	_D JOLILI					
FILE NAME =	USER NAME = gwhitten	DESIGNED	-	JRD	REVISED -	Т
60W21-087-US30(Jefferson St)@Richards St	DRAWN	-	GW3	REVISED -	7	
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED -	7
60w21-089	PLOT DATE = 3/28/2013	DATE	_	03-28-13	REVISED -	٦.

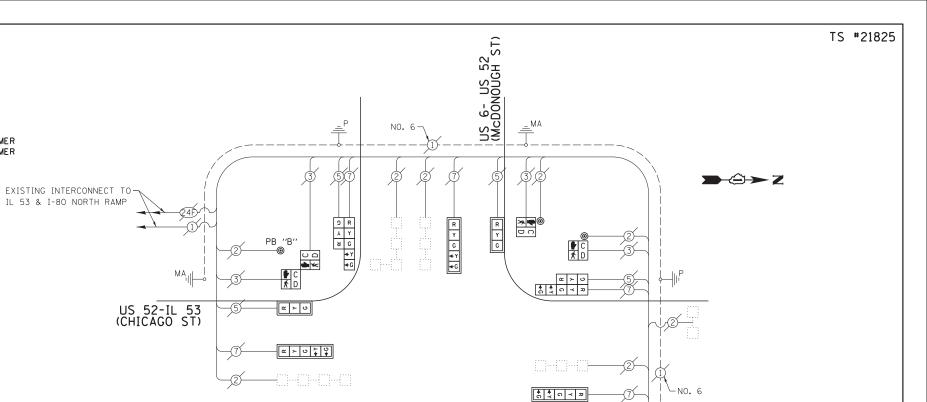
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

			GH		00.000
SCHEDULE OF QUANTITIES, CABLE PLAN, SEQUENCE OF OPERATIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 6 /US 30 (JEFFERSON ST) AT RICHARDS STREET AND	VAR	2013-003-I	WILL	89	87
RICHARDS STREET AT WASHINGTON STREET			CONTRACT	NO. 6	50W21
SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. A	D PROJECT		

//-	15 *2256:
US 6 SFFERSON STO	
	No. 20
NOTE: THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2100 IN A TYPE V CABINET.	
No. 6	
	US EFFERSON SON ST,
TO CONTROL CALL DELAY	
WASHINGTON TO COUNTY SOUTH BOTTON CAL	L DELAY—
CALL DELAY OCALL DELAY OCALL DELAY	STREET
TS CABLE PL	
S SAPEL LE	GHA #4085.88

^{*} TO APPEAR ONLY UPON PUSH BUTTON ACTUATION

** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE
P = PERSON
FH = FLASHING HAND INTERVAL



9+ 4-x R C X Y B G

\$ ↑ 0 ~ z

McDONOUGH STREET

<u></u>—MA .

US 52-IL 53 (CHICAGO ST)

LEGEND: * SINGLE ENTRY PHASE * DUAL ENTRY PHASE ◆
(*)

PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH

10.

11.

4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION

4 EACH TRAFFIC SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION

8 EACH TRAFFIC SIGNAL BACKPLATESECTION

4 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE

6 EACH PEDESTRIAN PUSH-BUTTON

TRAFF ELECTRI	TOTAL WATTAGE						
		WATTAGE					
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION			
SIGNAL (RED)	16	135	17	0.50	136.0		
SIGNAL (YELLOW)	16	135	25	0.25	100.0		
SIGNAL (GREEN)	16	135	15	0.25	60.0		
ARROW	16	135	12	0.10	19.2		
PED. SIGNAL	8	90	25	1.00	200.0		
CONTROLLER	1	-	100	1.00	100.0		
LUMINAIRE	-	-	250	0.50	-		
L.E.D. ST. NAME SIGN	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	-	-	25	0.05	-		
				TOTAL -	640.2		

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: TIM COSLET
PHONE: 815-724-5010

COMPANY: COMED - JOLIET

FILE NAME =

60W21-088-US52(McDonough St)@IL53

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES U.S. 6 - U.S. 52 (McDONOUGH ST) AT IL 53 (CHICAGO ST) EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 4 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

MODIFY EXISTING CONTROLLER CABINET

EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

EACH UNINTERRUPTABLE POWER SUPPLY. SPECIAL

6 EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING

SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED 4 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED

PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER 2 EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER

> PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6. **→** PUSH BUTTON "D" SHALL PLACE A CALL IN

CABLE PLAN

PHASES 2 AND 8.

US 52-IL 53 (CHICAGO ST)

NOTE:

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-2100 IN A TYPE IV CABINET.

GHA #4085.888

⊒II.МА

NUMBER OF GROUND CABLES AS PER PLAN

NOTE:

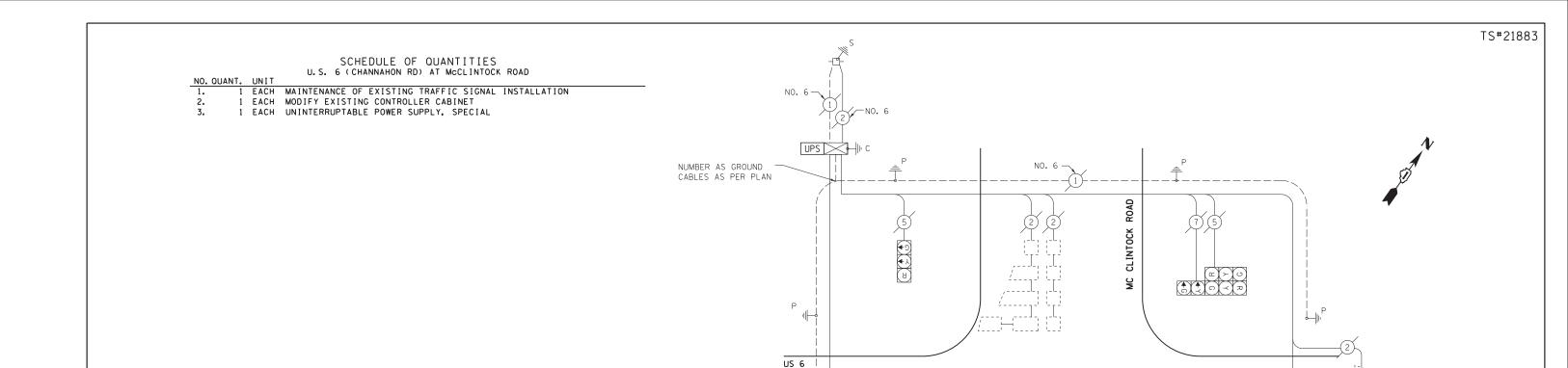
EXISTING PHASE DESIGNATION DIAGRAM

EXISTING

CONTROLLER SEQUENCE

	USER NAME = gwhitten	DESIGNED - JRD	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN F.A. SECTION COUNTY TOTAL SHEETS NO.
IL53(Chicag	St).dgn	DRAWN - GW3	REVISED -	STATE OF ILLINOIS	& PHASE DESIGNATION DIAGRAM VAR 2013-003-I WILL 89 88
	PLOT SCALE = 1:20	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION	US 6 - US 52 (McDONOUGH ST) AT IL 53 (CHICAGO ST) CONTRACT NO. 60W21
	PLOT DATE = 3/28/2013	DATE - 03-28-13	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

US 52-IL 53 (CHICAGO ST)



NO. 6-

TF ELEC	TOTAL WATTAGE								
TYPE	YPE NO. OF LAMPS X INCAND. LED X % OPERATION								
SIGNAL (RED)	12		17	0.50	102.0				
(YELLOW)	12		25	0.25	75.0				
(GREEN)	12		15	0.25	45.0				
ARROW	4		12	0.10	4.8				
PED. SIGNAL	-		25	1.00					
CONTROLLER	1		100	1.00	100.0				
ILLUM. SIGN	-		25	0.05					
VIDEO SYSTEM	-		150	1.00					
FLASHER				0.50					
ENERGY COSTS	TO:	•		TOTAL =	326.8				

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY/DISTRICT 1

201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: LARRY WOODLE PHONE: 8115-724-5674

COMPANY: CO	DM ED					
FILE NAME =	USER NAME = gwhitten	DESIGN	ED -	JRD	REVISED	-
60W21-089-US6 at McClintock Rd.dgn		DRAWN	-	GW3	REVISED	-
	PLOT SCALE = 1:20	CHECKE	D -	KLB	REVISED	-
CAM21-AQ1	0.00.00.00.00	0.475		03.00.13	DEMICEO	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

(CHANNAHON RD)

-6

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE									
US 6 AT McCLINTOCK ROAD									
SCALE: NTS	SHEET	OF	SHEETS	STA.	TO STA.				

CABLE PLAN

LEGEND: * SINGLE ENTRY PHASE

OVERLAP

DUAL ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2013-003-I	WILL	89	89
		CONTRACT	NO. 6	OW21
	ILLINOIS FED. AI	D PROJECT		

GHA #4085.888

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE 4 US 6 -3

EXISTING EMERGENCY VEHICLE PREEMPTORS EMERGENCY VEHICLE PREEMPTOR

MOVEMENT **─**3 → (CHANNAHON RD)

(CHANNAHON RD)

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING CONTROLLER SEQUENCE

OVERLAP PERMISSIVE PROTECTED
LETTER PHASE PHASE
B = 4 + 5

US 6