03-08-13 LETTING ITEM 066

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

VARIOUS LOCATIONS IN NORTH DUPAGE COUNTY LIGHT EMITTING DIODE (LED) INSTALLATION **SECTION 2012-070 I DuPAGE COUNTY** C-91-079-13



DuPAGE COUNTY LOCATION MAP SEE SHEET NO. 3

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 LNE CLOSURE MULTILANE INTERSECTION

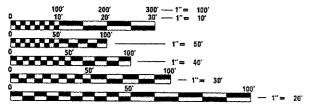
701901-02 TRAFFIC CONTROL DEVICES

857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

862001-01 UNITERRUPTABLE POWER SUPPLY (UPS)

880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION



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.

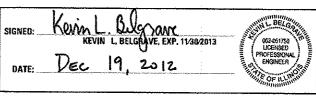
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

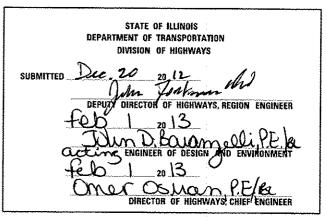
850 Forest Edge Drive =Vernon Hills, IL, 60061 Consulting Engineers & Surveyors 847-478-9700 FAX: 847-478-9701

SECTION DuPAGE 103 1 2012-070 1 CONTRACT NO. 60V80

D-91-079-13







PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 60V80

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             LOCATION MAP AND INTERSECTIONS NUMBERS
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              6070 U.S. 20 AT WOOD DALE ROAD / VILLA AVENUE
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590 IL 83 AT FOSTER AVENUE
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              4600 U.S. 20 AT BLOOMINGDALE ROAD
             4610 U.S. 20 AT SPRINGBROOK CENTER / SUNRISE DRIVEWAY 4595 U.S. 20 AT FAIRFIELD WAY
              4605 U.S. 20 AT CIRCLE DRIVE
             6037 U.S. 20 AT EUCLID DRIVE / LAKEVIEW DRIVE
             6035 U.S. 20 AT GLEN ELLYN ROAD
6045 U.S. 20 AT MEDINAH ROAD
             12376 IL 64 AT FAIR OAKS ROAD / ANCIENT OAKS ROAD
              6425 IL 64 AT COUNTY FARM ROAD
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             21395 IL 64 AT PRESIDENT STREET / FIRESIDE DRIVE
             6420 IL 64 AT BLOOMINGDALE ROAD
             11390 IL 64 AT GLENDALE SQUARE MENARD'S
             6450 IL 64 AT GLEN ELLYN ROAD / MAIN STREET
       59.
60.
            21910 U.S. 20 AT ELGIN / O'HARE EXPRESSWAY RAMP "D" 13770 U.S. 20 AT GREENBROOK BOULEVARD
              7870 U.S. 20 AT BARTELS ROAD / ARLINGTON DRIVE
              6163 IL 19 AT CATALPA AVENUE
             6164 IL 19 AT BLOOMINGDALE ROAD
6456 IL 64 AT LOMBARD ROAD
             6455 IL 64 AT MAIN STREET - LOMBARD
            6440 IL 64 AT GRACE STREET
12320 IL 38 AT FINLEY ROAD
             12325 IL 38 AT MAIN STREET
             14065 IL 38 AT HIGHLAND AVENUE
             11180 IL 38 AT FAIRFIELD ROAD
11415 IL 38 AT LOMBARD SHOPPING CENTER
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22135 IL 53 AT SIDNEY AVENUE
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             6235 IL 53 AT ST. CHARLES ROAD
9037 IL 19 AT LAWRENCE AVENUE
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             6030 U.S. 20 AT GARY AVENUE
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             6365 IL 59 AT ARMY TRAIL ROAD 6366 IL 59 AT SMITH ROAD
             12375 IL 64 AT PRINCE CROSSING
              6185 IL 38 AT KRESS ROAD
             6175 IL 38 AT FABYAN PARKWAY / WASHINGTON STREET 6180 IL 38 AT JOLIET STREET
             22115 IL 59 AT DIVERSEY PARKWAY
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             6390 IL 59 AT FOREST AVENUE
            12020 IL 59 AT JOLIET STREET / EDGEWOOD WALK
6170 IL 19 AT PROSPECT AVENUE
            15090 IL 19 AT ADDISON ROAD
100.-103.
            15100 IL 19 AT WOOD DALE ROAD
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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 VILLAGE 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

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

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 INDIVIOUAL UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL ALSO CONTACT JULLIE. 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, PAVENENT, 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 REDUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED 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 RETOFIT SIGNAL HEAD INTERSECTIONS OR AS DIRECTED BY THE ENGINEER, THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING SIGNAL HEAD, LED. RETROFIT PAY ITEM OF THE TYPE AND NUMBER OF SIGNAL HEADS, FACES, AND SECTIONS AS SPECIFIED IN THE PLANS.

DUE TO THE PRESENCE OF A RED LIGHT CAMERA RUNNING (RLR) CAMERA RUNNING FOR THE BELOW LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE MUNICIPALITY OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERABLE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

RLR CAMERA LOCATION:

TS 12515 - U.S. 20 (LAKE ST) AT JOHN F. KENNEDY JR. DRIVE TS 6020 - U.S. 20 (LAKE ST) AT ADDISON ROAD

VILLAGE OF ADDISON RED SPEED ILLINOIS, LLC I FRIENDSHIP PLAZA 400 EISENHOWER LANE NORTH ADDISON, IL 60101 LOMBARD, IL 60148 (630) 317-5700

TS 6445 - IL 64 (NORTH AV) AT KUHN ROAD TS 6435 - IL 64 (NORTH AV) AT GARY AVENUE

VILLAGE OF CAROL STREAM REDFLEX TRAFFIC SYSTEM 23751 W. 23RD AVENUE, STE 15 500 NORTH GARY AVENUE PHOENIX. AZ 85085 CAROL STREAM, IL 60188 (630) 665-7050 (623) 207-2000

TS 6175 - IL 38 (ROOSEVELT RD) AT FABYAN PARKWAY / WASHINGTON STREET TS 6355 - IL 64 (NORTH AV) AT IL 59

VILLAGE OF WEST CHICAGO RED SPEED ILLINOIS, LLC 475 MAIN STREET 400 EISENHOWER LANE NORTH WEST CHICAGO, IL 60186 LOMBARO, IL 60148 (630) 293-2200 (630) 317-5700

TS 6366 - IL 59 AT SMITH ROAD

VILLAGE OF WAYNE RED SPEED ILLINOIS, LLC 5N 430 RAILROAD AVENUE 400 EISENHOWER LANE NORTH WAYNE, IL SOIR4 LOMBARD, IL 60148 (630) 584-3090 (630) 317-5700

TS 6030 - U.S. 20 AT GARY AVENUE

VILLAGE OF ROSELLE RED SPEED ILLINOIS, LLC 31 S. PROSPECT ST 400 EISENHOWER LANE NORTH ROSELLE, IL 60172 LOMBARD, IL 60148 (630) 980-2000 (630) 317-5700

RAILROAD REQUIREMENTS AT IL RTE 19 AND WOOD DALE ROAD

METRA WILL NOT REQUIRE RAILTOAD PROTECTIVE LIABILTY INSURANCE (RPLI) FROM THE CONTRACTOR ON THIS CONTRACT.

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A COPY OF THEIR GENERAL LIABILITY INSURANCE.

THE CONTRACTOR WILL BE REQUIRED TO APPLY AND PAY FOR A RIGHT-OF-ENTRY (ROE) PERMIT AND SECURE FLAGGING SERVICES WHEN WORKING ON METRA'S RIGHT-OF-WAY. THE FEE FOR THE ROE PERMIT IS NOT REIMBURSABLE TO THE CONTRACTOR. THE FLAGGING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE REIMBURSED FOR THE COST IN ACCORDANCE WITH SECTION 109.05 OF THE STANDARD SPECIFICATIONS.

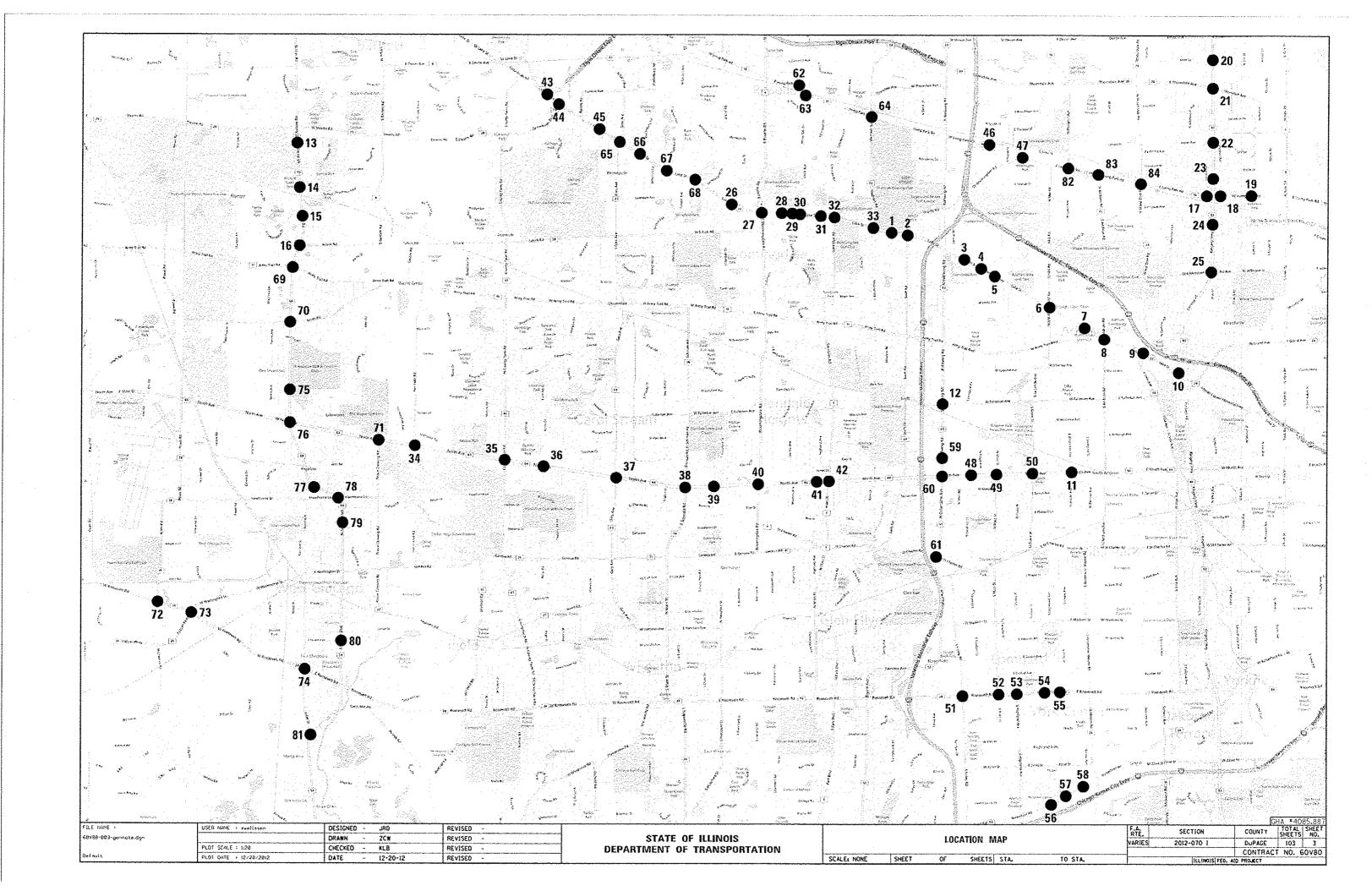
FILE HAME : USER NAME : zwollaten DESIGNED -JRD REVISED 60489-002-gennote.dgn DRAWN ZC# REVISED PLOT SCALE : 1:20 CHECKED KLS REVISED PLOT DATE + 12/28/2012 DATE 12-20-12 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION INDEX OF SHEETS & GENERAL NOTES 2012-070 OF SHEETS SYA. SHEET TO STA.

TOTAL SHEET SHEETS NO. COUNTY DuPAGE 103 2 CONTRACT NO. 60V80 HLINOIS FED. AID PROJECT

CHA #4085 88



	TR	AFFIC SIGNAL PLANS
NO.	TS • MUNICIPALITY	AFFIC SIGNAL PLANS INTERSECTION NAME U.S. 20 AT GREENBRIAR DRIVE U.S. 20 AT SWIFT ROAD U.S. 20 AT MARCUS CINEMA DRIVE U.S. 20 AT LOMBARD ROAD / FOXDALE ROAD U.S. 20 AT LOMBARD ROAD / FOXDALE ROAD U.S. 20 AT MILL ROAD U.S. 20 AT JOHN F, KENNEDY DRIVE U.S. 20 AT JOHN F, KENNEDY DRIVE U.S. 20 AT WOOD DALE ROAD / VILLA AVENUE U.S. 20 AT WOOD DALE ROAD / VILLA AVENUE U.S. 20 AT WESTWOOD AVENUE / LINCOLN AVENUE IL 53 AT FULLERTON AVENUE / COLLINS AVENUE IL 59 AT STRUCKMAN BOULEVARD IL 59 AT STRUCKMAN BOULEVARD IL 59 AT STRUCKMAN BOULEVARD IL 59 AT SCHICK ROAD IL 19 AT SPRUCE AVENUE IL 19 AT MARSHALL ROAD IL 19 AT CHURCH ROAD IL 183 AT HORNDALE AVENUE IL 83 AT THIRD AVENUE IL 83 AT HILLSIDE DRIVE IL 83 AT THIRD AVENUE U.S. 20 AT ROSEDALE AVENUE U.S. 20 AT ROSEDALE AVENUE U.S. 20 AT BOOMINGDALE ROAD U.S. 20 AT SPRINGBROOK CENTER / SUNRISE DRIVEWAY U.S. 20 AT GLEN ELLYN ROAD IL 64 AT CUNNTY FARM ROAD IL 64 AT COUNTY FARM ROAD IL 64 AT CENDELLYN ROAD IL 64 AT CENDELL SOUARE MENARD'S IL 64 AT CENDELL SOUARE MENARD'S IL 64 AT CENDELLYN ROAD IL 64 AT CENDELLYN ROAD
2.	11105 ADDISON	U.S. 20 AT SWIFT ROAD
3,	12513 ADDISON	U.S. 20 AT MARCUS CINEMA DRIVE
4. 5.	12505 AUDISON 12600 ADDISON	U.S. 20 AT LOMBARU ROAD / FOXUALE ROAD
6.	12510 ADDISON	U.S. 20 AT MILL ROAD
7.	12515 ADDISON	U.S. 20 AT JOHN F. KENNEDY DRIVE
8. 9.	6020 ADDISON 6070 ADDISON	U.S. 20 AT ADDISON ROAD
10.	6015 ADDISON	U.S. 20 AT IL 83 WEST RAMP (A&B)
11.	6495 ADDISON	IL 64 AT WESTWOOD AVENUE / LINCOLN AVENUE
12.	12520 ADDISON	IL 53 AT FULLERTON AVENUE / COLLINS AVENUE
14.	6377 BARTLETT	IL 59 AT STRUCKMAN BOULEVARD
15.	6379 BARTLETT	IL 59 AT WOODLAND HILLS PARKWAY
16.	22125 BARTLETT	IL 59 AT SCHICK ROAD
18.	6140 BENSENVILLE	IL 19 AT MARSHALL ROAD
19.	12065 BENSENVILLE	IL 19 AT CHURCH ROAD
20.	610 BENSENVILLE	IL 83 AT MARK STREET
22.	590 BENSENVILLE	IL 83 AT FOSTER AVENUE
23.	600 BENSENVILLE	IL 83 AT HILLSIDE DRIVE
24.	595 BENSENVILLE	IL 83 AT CROVE AVENUE / SHERWOOD DRIVE
26.	6085 BLOOMINGDALE	U.S. 20 AT ROSEDALE AVENUE
27.	4600 BLOOMINGDALE	U.S. 20 AT BLOOMINGDALE ROAD
28.	4610 BLOOMINGDALE	U.S. 20 AT SPRINGBROOK CENTER / SUNRISE DRIVEWAY
30.	4605 BLOOMINGDALE	U.S. 20 AT CIRCLE DRIVE
31.	6037 BLOOMINGDALE	U.S. 20 AT EUCLID DRIVE / LAKEVIEW DRIVE
32,	6035 BLOOMINGDALE	U.S. 20 AT GLEN ELLYN ROAD
34.	12376 CAROL STREAM	IL 64 AT FAIR OAKS ROAD / ANCIENT DAKS ROAD
35.	6425 CAROL STREAM	IL 64 AT COUNTY FARM ROAD
36. 37	6445 CAROL STREAM	IL 64 AT KUHN ROAD
38.	6465 CAROL STREAM	IL 64 AT SCHMALE ROAD
39.	21395 CAROL STREAM	IL 64 AT PRESIDENT STREET / FIRESIDE DRIVE
40. ⊿1	6420 GLENDALE HEIGHTS	IL 64 AT BLOOMINGDALE ROAD IL 64 AT GLENDALE SOUARE MENARD'S
42	6450 GLENDALE HEIGHTS	IL 64 AT CLENDALE SUDANE MENAND'S IL 64 AT CLEN ELLYN ROAD / MAIN STREET
43.	21910 HANOVER PARK	IL 64 AT CLEN ELLYN ROAD / MAIN STREET U.S. 20 AT ELGIN / O'HARE EXPRESSWAY RAMP "D" U.S. 20 AT GREENBROOK BOULEVARD U.S. 20 AT BARTELS ROAD / ARLINGTON DRIVE IL 19 AT CATALPA AVENUE IL 19 AT BLOOMINGDALE ROAD IL 64 AT LOMBARD ROAD IL 64 AT MAIN STREET - LOMBARD IL 64 AT GRACE STREET IL 38 AT FINLEY ROAD IL 38 AT MAIN STREET IL 38 AT HIGHLAND AVENUE IL 38 AT FAIRFIELD ROAD IL 38 AT LOMBARD SHOPPING CENTER
44.	13/10 HANOVER PARK	U.S. 20 AT GREENBROOK BOULEVARD
46.	6163 ITASCA	IL 19 AT CATALPA AVENUE
47.	6164 ITASCA	IL 19 AT BLOOMINGDALE ROAD
49.	6455 LOMBARO	IL 64 AT MAIN STREET - LOMBARD
50.	6440 LOMBARD	IL 64 AT GRACE STREET
51.	12320 LOMBARD	IL 38 AT FINLEY ROAD
52. 53.	14065 LOMBARD	IL 38 AT HIGHEAND AVENUE
54,	11180 LOMBARD	IL 38 AT FAIRFIELD ROAD
55.	11415 LOMBARD	IL 38 AT LOMBARD SHOPPING CENTER
57.	21870 LOMBARD	IL SO AT TECHNOLOGY DRIVE / WAXANT DRIVE
58.	6293 LOMBARD	IL 56 AT FOUNTAIN SOUARE DRIVE
59.	22135 LOMBARD	IL 53 AT SIDNEY AVENUE
61.	6235 LOMBARD	IL 53 AT ST. CHARLES ROAD
62.	9037 ROSELLE	IL 19 AT LAWRENCE AVENUE
63.	9100 ROSELLE	IL 19 AT MAPLE AVENUE
65.	6030 ROSELLE	U.S. 20 AT GARY AVENUE
66.	7875 ROSELLE	U.S. 20 AT BRYN MAWR AVENUE
67.	ZZOZS ROSELLE	U.S. 20 AT RODENBURG ROAD
69.	6365 WAYNE	IL 59 AT ARMY TRAIL ROAD
70.	6366 WAYNE	IL 59 AT SMITH ROAD
71. 72	12375 WEST CHICAGO	IL 64 AT PRINCE CROSSING IL 38 AT KRESS ROAD
73.	6175 WEST CHICAGO	IL 38 AT FABYAN PARKWAY / WASHINGTON STREET
74.	6180 WEST CHICAGO	IL 38 AT JOLIET STREET
75. 76	22115 WEST CHICAGO	IL 59 AT DIVERSEY PARKWAY
77.	22110 WEST CHICAGO	IL 59 AT INGLATON AVENUE
78.	8853 WEST CHICAGO	IL 59 AT HAWTHORNE LANE
79.	8850 WEST CHICAGO	IL 59 AT JAMES AVENUE
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82.	6170 WOOD DALE	IL 19 AT PROSPECT AVENUE
83. 84	15090 WOOD DALE	IL 38 AT HIGHLAND AVENUE IL 38 AT FARFIELD ROAD IL 38 AT LOMBARD SHOPPING CENTER IL 56 AT FAIRFIELD AVENUE IL 56 AT FOREST AVENUE IL 53 AT SIDNEY AVENUE IL 53 AT SIDNEY AVENUE IL 53 AT SIDNEY AVENUE IL 53 AT ST. CHARLES ROAD IL 19 AT LAWRENCE AVENUE IL 19 AT MAPLE AVENUE IL 19 AT MEDINAH ROAD U.S. 20 AT GARY AVENUE U.S. 20 AT BRYN MAWR AVENUE U.S. 20 AT SPRINGFIELD DRIVE IL 59 AT ARMY TRAIL ROAD IL 59 AT SMITH ROAD IL 64 AT PRINCE CROSSING IL 38 AT FABYAN PARKWAY / WASHINGTON STREET IL 38 AT JOLIET STREET IL 59 AT INGLATON AVENUE IL 59 AT INGLATON AVENUE IL 59 AT HAWTHORNE LANE IL 59 AT JAMES AVENUE IL 59 AT JAMES AVENUE IL 59 AT JAMES AVENUE IL 59 AT JOLIET STREET / EDGEWOOD WALK IL 19 AT PROSPECT AVENUE IL 59 AT JOLIET STREET / EDGEWOOD WALK IL 19 AT PROSPECT AVENUE IL 59 AT JOLIET STREET / EDGEWOOD WALK IL 19 AT WOOD DALE ROAD
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USER NAME : zwollsten

PLOT DATE = 12/20/2012

PLOT SCALE : 1:20

FILE NAME +

68788-924-gennate.dgn

STATE OF ILLINOIS EPARTMENT OF TRANSPORTATION		LOCATION	MAP	INTERSECTION
	SCALE: NONE	SHEET	0F	SHEETS STA.

| GHA * 4085.887
| ECTION | COUNTY | TOTAL SHEETS | NO. 2-070 | DUPAGE | 103 | 4 |
| CONTRACT NO. 60V80 | ILLINOIS | FED. AID | PROJECT | SECTION 2012-070 1 NUMBERS

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DESIGNED - JAD

| DRAWN - ZCW | CMECKED - KLB | DATE - 12-20-12

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COLUMN NUMBER		MUNICIPALITY	LOCATION	67175	DUPAGE	1001500	BART-	BENSEN-			HANOVER				WAYNE	WEST	WINFIELD	WOOD	I DDAD-	JONES LANG		MIDWEST REAL	ANDOCHO	GLE DA C S HEIG
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. 8	12513		U. S. 20 AT MARCUS CINEMA DRIVE	95%		5%		 						-	 	 				<u> </u>		ļ	 	+-
. 8	12505	·	U. S. 20 AT LOMBARD ROAD / FOXDALE ROAD	95%		 		<u> </u>							<u> </u>						<u></u>		***************************************	┿
. 8	12500	 	U. S. 20 AT ITASCA ROAD		·	5%										ļ					ļ		<u> </u>	\bot
. 8	 			95%		5%		ļ							<u> </u>					ļ	ļ		 	
-	12510		U.S. 20 AT MILL ROAD	95%		5%									<u> </u>								ļ	_
	12515		U.S. 20 AT JOHN F. KENNEDY DRIVE	95%		5%									ļ						<u> </u>			$oldsymbol{\perp}$
3	6020	ADDISON	U.S. 20 AT ADDISON ROAD	95%	5%																			↓
. 3	6070	ADDISON	U.S. 20 AT WOOD DALE ROAD / VILLA AVENUE	95%	5%									·				···-						
1	6015	ADDISON	U.S. 20 AT IL 83 WEST RAMP (A&B)	100%																				
. 8	6495	ADDISON	IL 64 AT WESTWOOD AVENUE / LINCOLN AVENUE	95%		5%									-									
. 8	12520	ADDISON	IL 53 AT FULLERTON AVENUE / COLLINS AVENUE	95%		5%						-												T
. 10	6378	BARTLETT	IL 59 AT APPLE VALLEY DRIVE	95%	_		5%		-									32.00						T
. 10	6377	BARTLETT	IL 59 AT STRUCKMAN BOULEVARD	95%			5%																	T
. 9	6379	BARTLETT	IL 59 AT WOODLAND HILLS PARKWAY	96. 7%			3. 3%																	\vdash
. 10	22125	BARTLETT	IL 59 AT SCHICK ROAD	95%			5%																	\dagger
. 1	6160	BENSENVILLE	IL 19 AT SPRUCE AVENUE	100%	•			-										··········					 	\dagger
. 1	6140	BENSENVILLE	IL 19 AT MARSHALL ROAD	100%										· ·				······································	-					\dagger
. 11	12065	BENSENVILLE	IL 19 AT CHURCH ROAD	95%				5%																+
. 33	610	BENSENVILLE	IL 83 AT MARK STREET	95%				2.5%	:										2. 5%				 	+
. 3	650	BENSENVILLE	IL 83 AT THORNDALE AVENUE	95%	5%								<u>-</u>			·			2.34				-	+
. 11	590	BENSENVILLE	IL 83 AT FOSTER AVENUE	95%				5%																╀
. 11	600	BENSENVILLE	IL 83 AT HILLSIDE DRIVE	95%			 	5%					·		-									\vdash
	 	BENSENVILLE	IL 83 AT GROVE AVENUE / SHERWOOD DRIVE	 	····																		 	\perp
+	<u> </u>			95%			·	2.5%										2.5%						1
1	545	BENSENVILLE.	IL 83 AT THIRD AVENUE	100%					•															\perp
. 12		BLOOMINGDALE	U.S. 20 AT ROSEDALE AVENUE	96. 7%	·				3. 3%														<u> </u>	Ļ
. 3	 	BLOOMINGDALE	U.S. 20 AT BLOOMINGDALE ROAD	95%	5%																			L
. 13	 	BLOOMINGOALE	U.S. 20 AT SPRINGBROOK CENTER / SUNRISE DRIVEWAY	95%	· · ·				5%			*												
. 13	4595	BLOOMINGDALE	U.S. 20 AT FAIRFIELD WAY	95%			·····		5%													į.	Í	
. 12	4605	BLOOMINGDALE	U.S. 20 AT CIRCLE DRIVE	96, 7%				-	3. 3%		İ	-											ļ	
. 13	6037	BLOOMINGDALE	U.S. 20 AT EUCLID DRIVE / LAKEVIEW DRIVE	95%					5%					-					-					Γ
. 12	6035	BLOOMINGDALE	U.S. 20 AT GLEN ELLYN ROAD	96. 7%					3. 3%								·				-			
. 3	6045	BLOOMINGDALE	U.S. 20 AT MEDINAH ROAD	95%	- 5%			-					-										i	
. 25	12376	CAROL STREAM	IL 64 AT FAIR OAKS ROAD / ANCIENT OAKS ROAD	95%											5%	-						. :	ĺ	
. 3	6425	CAROL STREAM	IL 64 AT COUNTY FARM ROAD	95%	5%						-													\vdash
. 14	6445	CAROL STREAM	IL 64 AT KUHN ROAD	95%						5%													i	\vdash
. 3	6435	CAROL STREAM	IL 64 AT GARY AVENUE	95%	5%																		·	\vdash
. 3	6465	CAROL STREAM	IL 64 AT SCHMALE ROAD	95%	5%																	<u> </u>		-
. 36		CAROL STREAM	IL 64 AT PRESIDENT STREET / FIRESIDE DRIVE	95%						2.5%								····						-
. 3			IL 64 AT BLOOMINGDALE ROAD		5%	 	······································			6,034											····			ž
				95%	34								***************************************											_
31			IL 64 AT GLENDALE SOUARE MENARD'S	95%									-								5%			-
3	6450	GLENDALE HEIGHTS	IL 64 AT GLEN ELLYN ROAD / MAIN STREET	95%	5%	Ll				<u> </u>										·			L	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES (SHEET 1 OF 6)

SCALE, NONE SHEET OF SHEETS STA. TO STA.

F.A.	SECTION	COUNTY	TOTAL SHEET		
RTE.	SECTION	COUNTY	SHEET	SHEET	NO.
VARIES	2012-070	DuPAGE	103	5	
CONTRACT	NO. 60V80				
ILLIHOIS	FED. AID PROJECT				

	r	T		1		I	T	ANTITIES	1		1		FUNDIN	G PARTIC	PATION				CENTER	Laver	T	T	T	
COLUMN O. NUMBER		MUNICIPALITY	LOCATION	STATE	OUPAGE COUNTY	ADDISON		BENSEN- VILLE	BLOOM- INGDALE	CAROL STREAM	HANOVER PARK	ITASCA	LOMBARD	ROSELLE	WAYNE TOWNSHIP	WEST CHICAGO	WINFIELD TOWNSHIP	WOOD DALE		JONES LANG LASALLE	MENARD'S	MIDWEST REAL ESTATE	ANDREWS	WS
i	21910	HANOYER PARK	U.S. 20 AT ELGIN / O'HARE EXPRESSWAY RAMP "D"	100%		***************************************														The state of the s				
2	13770	HANOVER PARK	U.S. 20 AT GREENBROOK BOULEVARD	96. 7%	3. 3%																			
15	7870	HANOVER PARK	U.S. 20 AT BARTELS ROAD / ARLINGTON DRIVE	95%							5%													
17	6163	ITASCA	IL 19 AT CATALPA AVENUE	95%			-	-				5%							·.					•
16	6164	ITASCA	IL 19 AT BLOOMINGDALE ROAD	96. 7%								3. 3%												•
19	6456	LOMBARD	IL 64 AT LOMBARD ROAD	96. 7%						:			3. 3%				·							
20	6455	LOMBARD	IL 64 AT MAIN STREET - LOMBARD	95%									5%			-								
20	6440	LOMBARD	IL 64 AT GRACE STREET	95%									5%											•
. 20	12320	LOMBARD	IL 38 AT FINLEY ROAD	95%							-		5%			W								•
. 5	12325	LOMBARD	IL 38 AT MAIN STREET	95%	2.5%								2.5%											•
. 18	14065	LOMBARD	IL 38 AT HIGHLAND AVENUE	97.5%									2.5%											
20	11180	LOMBARD	IL 38 AT FAIRFIELD ROAD	95%				1			·		5%			~ ~ · · · · · · · · · · · · · · · · · ·								•
20	11415	LOMBARD	IL 38 AT LOMBARD SHOPPING CENTER	95%									5%	<u> </u>		· · · · · · · · · · · · · · · · · · ·					1			•
. 30	6310	LOMBARD	IL 56 AT FAIRFIELD AVENUE	95%	-						·	-						·····		5%				•
20	21870	LOMBARD	IL 56 AT TECHNOLOGY DRIVE / MAXANT DRIVE	95%	-								5%											•
. 20	6293	LOMBARD	IL 56 AT FOUNTAIN SQUARE DRIVE	95%		-							5%	-										-
. 32	22135	LOMBARD	IL 53 AT SIDNEY AVENUE	95%																		5%		
. 1	6215	LOMBARD	IL 53 AT IL 64	100%									†											-
. 3	6235	LOMBARD	IL 53 AT ST. CHARLES ROAD	95%	5%		·													 	1			•
. 22	9037	ROSELLE	IL 19 AT LAWRENCE AVENUE	96. 7%								·	<u> </u>	3. 3%										
. 23	9100	ROSELLE	IL 19 AT MAPLE AVENUE	95%		·					·			5%										
. 3	6145	ROSELLE	IL 19 AT MEDINAH ROAD	95%	5%	-		:										-	·	 				-
. 3	6030	ROSELLE	U.S. 20 AT GARY AVENUE	95%	5%	-																	-	_
22	7875	ROSELLE	U.S. 20 AT BRYN MAWR AVENUE	96. 7%		,								3. 3%						1				^
. 24	22025	ROSELLE	U.S. 20 AT RODENBURG ROAD	95%					2.5%	 				2. 5%						-			ļ	•
. 24	6065	ROSELLE	U. S. 20 AT SPRINGFIELD DRIVE	95%					2.5%					2. 5%						 	-			-
. 3	6365	WAYNE	IL 59 AT ARMY TRAIL ROAD	95%	5%			 												 	***************************************			•
21		WAYNE	IL 59 AT SMITH ROAD	95%				ļ												 				
		WEST CHICAGO	IL 64 AT PRINCE CROSSING	95%				<u> </u>				<u> </u>				5%				-				-
. 2		WEST CHICAGO	IL 38 AT KRESS ROAD	+	3. 3%			 					<u> </u>							 				•
. 34		WEST CHICAGO	IL 38 AT FABYAN PARKWAY / WASHINGTON STREET	95%	2.5%									***		2. 5%						[•
. 27	6180	WEST CHICAGO	IL 38 AT JOLIET STREET	95%										**************************************		5%								•
. 26	22115	WEST CHICAGO	IL 59 AT DIVERSEY PARKWAY	95%						-						2.5%				<u> </u>			2. 5%	•
s. 1		WEST CHICAGO	IL 64 AT IL 59	100%										***************************************		2.01.				 				
. 27	22110	WEST CHICAGO	IL 59 AT INGLATON AVENUE	95%												5%			· ·					•
. 27		WEST CHICAGO	IL 59 AT HAWTHORNE LANE	95%		· · · · · · · · · · · · · · · · · · ·										5%				<u> </u>				-
28		WEST CHICAGO	IL 59 AT JAMES AVENUE	95%												7	5%					 		
. 27		WEST CHICAGO	IL 59 AT FOREST AVENUE	95%							·		-			5%	-/-			 				
. 28		WEST CHICAGO	IL 59 AT JOLIET STREET / EDGEWOOD WALK	95%	-								ļ			···········	5%		· · · · · · · · · · · · · · · · · · ·					
. 29		WOOD DALE	IL 19 AT PROSPECT AVENUE	95%				 				2.5%	<u> </u>					2.5%		 				
6		WOOD DALE	IL 19 AT ADDISON ROAD	95%	2.5%		· · · · · · · · · · · · · · · · · · ·	 				~~/,				······································		2.5%						•
		WOOD DALE	IL 19 AT WOOD DALE ROAD	95%	5%			 					ļ					£. J/+		 	 	 		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES (SHEET 2 OF 6)

SCALE; NONE | SHEET OF SHEETS STA. TO STA.

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	SUMMARY OF QUANTITIES	THINNA SHEET STANDARD AS A			1				Tarabana and the same and the s	1					1			FIC S		20				-7 6	3 20		20	27]	0 31	1321	
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CODE NO.	ITEM	UNIT	TOTA	L .			i						············					URBAN					: :		***************************************					/	
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67000400	ENGINEER'S FIELD OFFICE. TYPE A	CAL MO	5.00	5								***************************************																			
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67100100	MOBILIZATION	E SUM	1.00	1 1				***************************************										7													
<u> </u>																	The state of the s														
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.00																			***************************************	-								
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85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	84	7	2	15	1	1	1 1	7	1	3 3	3 2	3	2	1	1	1 1	1	7	1	2	1	2 1	1	5	2	1 !	1	1	1
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85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	<u> </u>																						1					
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86400100	TRANSCEIVER - FIBER OPTIC	EACH	11	1		3							2		1													1	1		1
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87502480	TRAFFIC SIGNAL POST. CALVANIZED STEEL 14 FT.	EACH	20	4								2	-	-		1						1				2	3				3
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87502500	TRAFFIC SIGNAL POST, CALVANIZED STEEL 16 FT.	EACH	41	8.	1	5			-				1			1		_				2				5	***************************************	2 2			2
				-				_			_		_					_	ļ												
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH .	69	7	3	4						1	1			3			-	10		2				10	2	4 10)		2
05070050								_					-	-											—	1					
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	30	0	2	4			-			- 4	2	-		1		_			_	3					4				4
99030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED		<u> </u>						-				-			_		_	-						-	***************************************					
88030010	STORAL READ, LED, INFACE, 4-SECTION, BRACKET MOUNTED	EACH	2	-	1				1				-									1	-	-				_			
88030100	SIGNAL HEAD, LED. 1-FACE, 5-SECTION, BRACKET MOUNTED						-						-									_	_	****	-		_				
30030100	STOTAL HEAD, LED. 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	19	3		4					_					2			-				_	 -	-	***************************************					2
88030110	SIGNAL HEAD, LED. 1-FACE, 5-SECTION, MAST-ARM MOUNTED				_			-	-					-				-	<u> </u>	-		_			-				1		,
	STORAGE READY LEGY, I'M ACE, 3"-SECTION, WAST-ARM MOUNTED	EACH	38	9	1	4	-	_	-			- 7	-			3	+		-			1	\perp			6		4 2	-		
88030210	SIGNAL HEAD. LED. 2-FACE. 3-SECTION. BRACKET MOUNTED	546:1				-					-	-	-						-			-	-	+		-			_	<u> </u>	
00000210	STORAGE FEATURE STREET STORAGE MODIFIED	EACH	21	4	1		-		-			- -	-	· name					╀	4		1.		-	-	2	4	-		-	2
315				11				1	4																				Rev.	GI	

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	SWANDY OF CHARTER				2 3	4	5	6	8	9	10 11	12	13	14 15	16	17	18 19	20	21	22	23 24	25	26	27 :	28 25	∋ 30	31	32 33	34
	SUMMARY OF QUANTITIES				······································		************						*	····· • ····	TRA	AFF IC	SIGNAL		············									***************************************	-
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CODE NO.	ITEM	UNIT	TOTAL													URB	AN												-
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8030220	SIGNAL HEAD, LED. 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		***************************************						1						-			-					ı				
8030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2															-		1						1			1
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8030240	SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	28	5	1						9	-		1				-	***************************************	1		-		6	2	1	 	2	
			<u> </u>									-						-							_				
8030320	SIGNAL HEAD, LED. 3-FACE, 1-3 SECTION, 2-5 SECTION BRACKET MOUNTED	EACH	1		-	***************************************		-			Abouten	-						-							-	1			-
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8030325	SIGNAL HEAD, LED. 3-FACE. 1-3 SECTION, 1-4 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	1		`			1														_				1			
		I .						-												-					_	_		_	-
8102710	PEDESTRIAN SIGNAL HEAD, LED. 1-FACE, BRACKET MOUNTED	EACH	2		2				-		_	-	-		-			-					-		-	-		-	-
									-			-										-	-	_	_	-			-
8102717	PEDESTRIAN SIGNAL HEAD. LED. 1-FACE. BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	110	8	22	-		2	10	2	8 6	10	8	2	2	2	2	10			2.		\vdash	8	2 2	-			
0100740		5.60	 		┿.						-	+	\vdash				_	-		_			-		_	+-	-		
18102140	PEDESTRIAN SIGNAL HEAD, LED. 2-FACE. BRACKET MOUNTED	EACH	3		3				-	,	-	+		-			- -	-					-		_	-	+++		
0102747	PEDESTRIAN SIGNAL HEAD, LED. 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	55	4	9		-	2	14		3	3	5	_	2		-	2			7		-	1	2	-		_	
,0102147	TEDESTATAN SIGNAL HEAD, LEO, E-FACE, BRACKET MODIFIED WITH COUNTOURN TIMEN	LACI	33					-				┼	5	-				+-		-	: 1		+		+-	+-		-	
38102757	PEDESTRIAN SIGNAL HEAD, LED. 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6		. 6	***************************************	***					+	***************************************	-				╂				1	\vdash		_				
		-	-									╁		+				+				1				+		_	
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	140	13	4 18			+	-		6 14	-		6				10		3	-	+	8	16	2 8	12		2	8
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8500100	INDUCTIVE LOOP DETECTOR	EACH	125	9	48	1-1		\dagger	+	-	. 18	7						1					1	9		12	8	6	
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8800100	PEDESTRIAN PUSH-BUTTON	EACH	42	100	6			1		2	4	6	4	2			2	6			1	+		6 ;	2				
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9100400	ILLUMINATED SIGN. LED	EACH	2					1	1	-	1					2													
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	USER NAME = x-ollsten DESIGNED - JRD REVISEO -																		l			لـــــــــــــــــــــــــــــــــــــ	F.A. RTE.				Rev.	GHA	*4085.

PLOT SCALE : 1:20
PLOT DATE * 12/27/2012 REVISED -DATE - 12-20-12

SCALE: NONE SHEET OF SHEETS STA. TO STA. CONTRACT NO. 60V80

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	SUMMARY OF QUANTITIES			1	2	3 4	5	6	7 8	9	10	11 1	2 13	14	15 1	6 17	18	19	20 2	1 22	23	24	25 26	5 27	28	29	30 31	32	33	34
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CODE NO.	ITEM	UNIT	TOTAL					1		· · · · ·				, 		UF	BAN					~~~~~~~~~			·	·				
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9500100	RELOCATE EXISTING SIGNAL HEAD	EACH	12															.º						4						
													-																	-
9502210	MODIFY EXISTING CONTROLLER CABINET	EACH	70	6	2 1	2 1	1	1	1 7		3	1 2	3	1	1 1		1	1	7 1	.2	1	2	1 1	4	2	1		1		
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9502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	57	3	1 1	*		1	5	1	2	3 3	3		1 1		1	1	5	1		2		3	1		1 1		i	
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x8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	10	1		3						2 1									1			1			1 1		ı	
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8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET. SPECIAL	EACH	1				1		1			-										\Box		1					+	
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8600105	MASTER CONTROLLER (SPECIAL)	EACH	1				1					\dashv									+	++		+			-		+	•
				I	_	+	1		1			\dashv				-	\vdash	\dashv		1				+	+		+	\vdash		
8620050	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED	EACH	1			1	+		+			-				+				+			-	+	+-			-	+	-
		+					+-									-		-		-	+			+	+			\vdash	\dashv	-
8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	81	7	2 1	4 1		1	7		3	3 3	3	_	1 1		1	-	7 1	2	1	2	_	5	2			1	1	
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8800025	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED, RETROFIT	EACH	4			1						-		-		4				+		-		+				-	_	-
		LAC!			-	1										+-				+		-		+-	-			\vdash	_	-
(8800046	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED, RETROFIT	EACH											1			-			-	-	-	-		+	-			-		_
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40007040							-												_	-	1				-					
(8803040	SIGNAL HEAD. LED. 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	27	2	1 1	6						_	2		_				1				2	2.						
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(8803050	SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	4						-		5					<u> </u>			-		ļ!					<u> </u>	2			_
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8803060	SIGNAL HEAD, LED. 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	2	1		***************************************										-								-						-
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8803082	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	37	11	2 3				-		3	13	2	-										2			2	1		_
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES (SHEET 5 OF 6)

SCALE, NONE SHEET OF SHEETS STA. TO STA.

F.A. SECTION COUNTY TOTAL SHEETS NO.

VARIES 2012-070 I DuPAGE 103 9

CONTRACT NO. 60V80

| ILLINOIS| FED. AID PROJECT

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	SUMMARY OF QUANTITIES	***************************************		1	2	3	4 5	6	7	8 9	9 10	11	12	13	14 15	16	17	18	19 20	21	22	23 2	4 25	26	27	28	29 3	31	32	33 3
		Andrew Market Ma			-													SIGNA		····				··-···································					*	
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CODE NO.	ITEM	UNIT	TOTAL														URB	AN												
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X8803084	SIGNAL HEAD, LED. 1-FACE. 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	187	9	4	82					14		15	28					8					4	7			10	5	
X8803088	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	59			21		7			10		7	2				7	4					4	6		1	2	3	
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X8803090	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	29	1	1	10			+	<u> </u>	1		5	8					***	1					2		+			
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X8803210	SIGNAL HEAD, LED. 1-FACE, 5-SECTION, BRACKET MOUNTED. RETROFIT	EACH	32		3	13					4		-					-	1			\neg	+-	2	4	+		2	3	
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X8803910	SIGNAL HEAD. LED. 2 FACE. 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	9			5	+	3		1	1				_	1			1								+	-		
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X8880015	PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	141	12		36	1	4		4	4	5	7	9	-	4	3	7	10				7		3		4			
<i>6</i>		 				1		$\vdash \vdash$		- Vulley	-				+	-			-				+				+	1		+

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES (SHEET 6 OF 6)

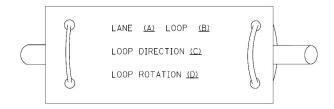
SCALE; NONE SHEET OF SHEETS STA. TO STA.

F.A.	GHA #4085.887			
F.A.	SECTION	COUNTY	TOTAL	SHEET
VARIES	2012-070	DUPAGE	103	10
CONTRACT	NO. 60V80			
ILLINOIS	FED. AID PROJECT			

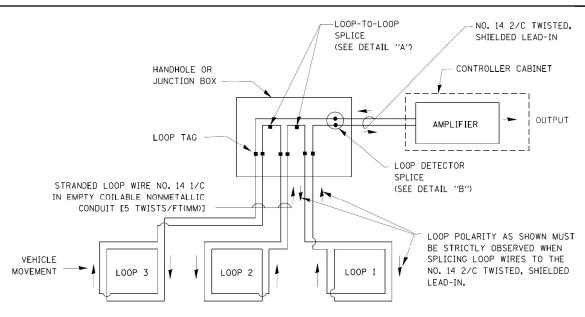
LOOP DETECTOR NOTES

- 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

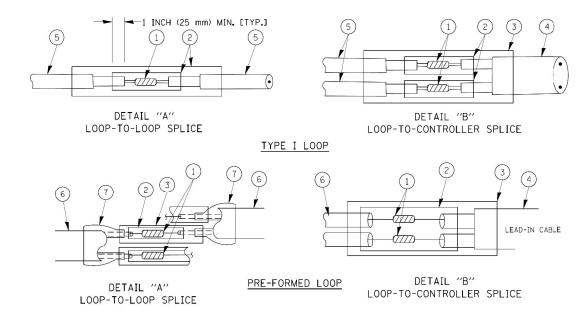


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP *1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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.



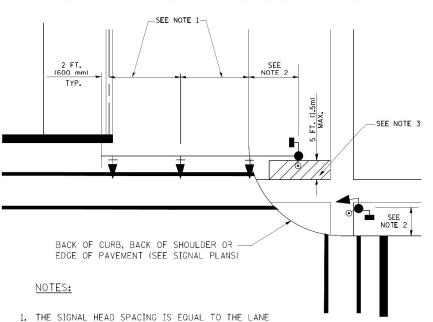
LOOP DETECTOR SPLICE

- 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
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

				O BREAT	KOUT SEALS. ITCO CBR-2 OR APPROVED EQUAL			GHA #4085.887
FILE NAME =	USER NAME = zwallsten	DESIGNED - DAD	REVISED -		DISTRICT ONE	F.A.	SECTION COUNTY	TOTAL SHEET
60V80-011-intersec.dgn		DRAWN - BCK	REVISED -	STATE OF ILLINOIS		VARIES 2	2012-070 I WILL	103 11
	PLOT SCALE = 1:20	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	T	TS-05 CONTRAC	
Default	PLOT DATE = 12/20/2012	DATE - 10-28-09	REVISED -		SCALE: NONE SHEET 1 OF 6 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

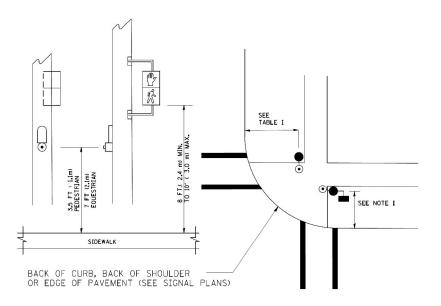
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



- WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.

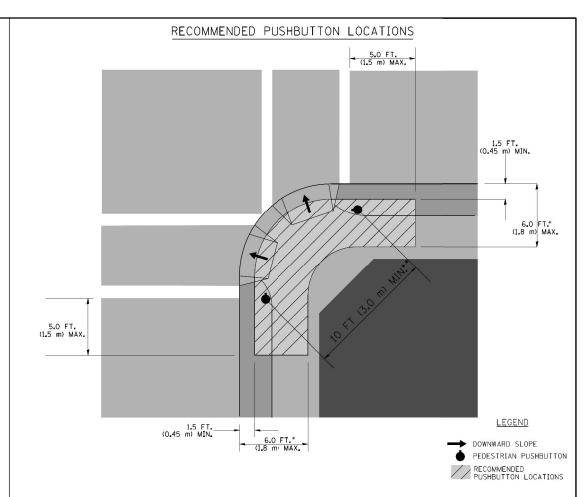
 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE 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.

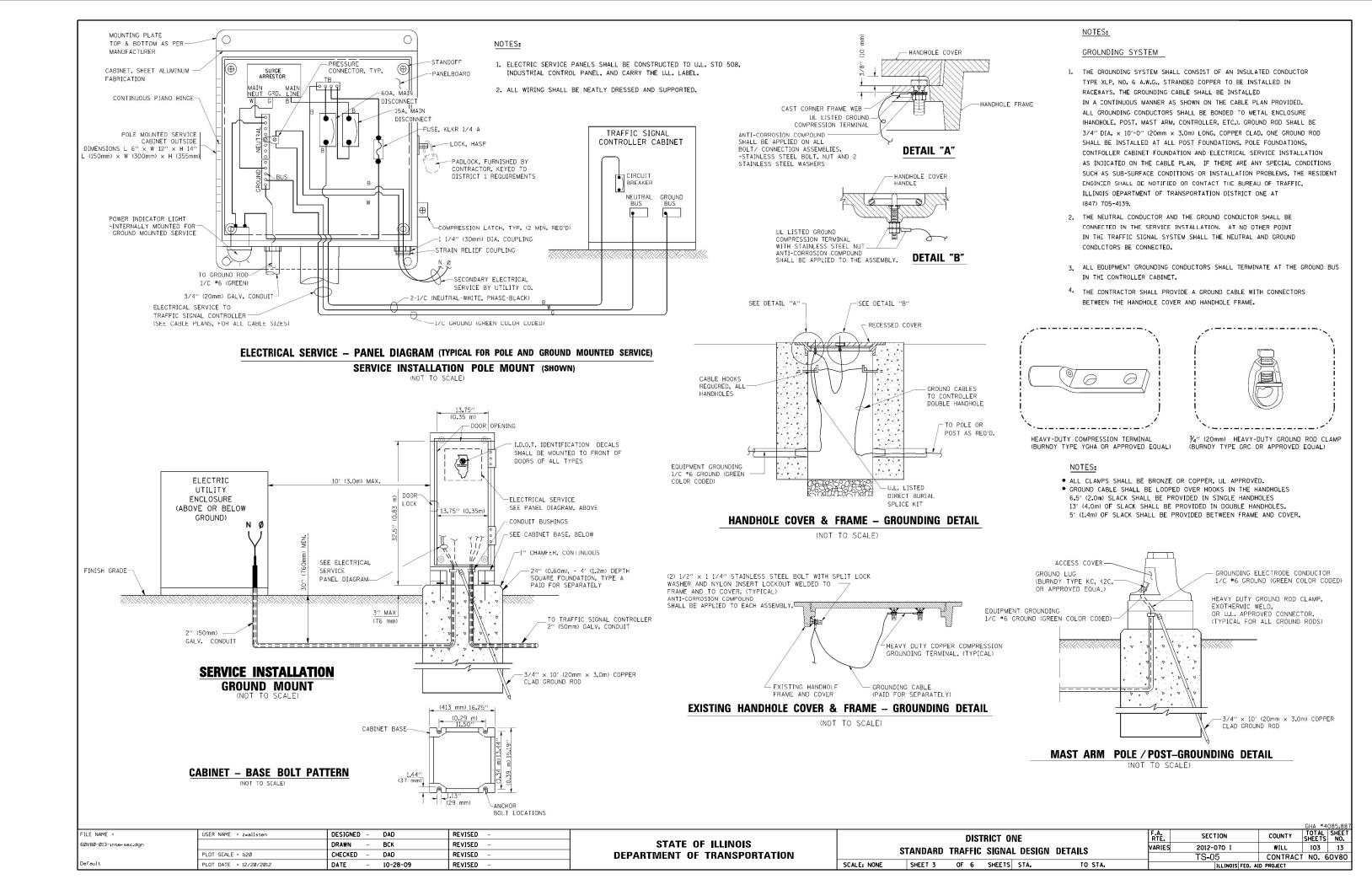
TRAFFIC SIGNAL EQUIPMENT OFFSET

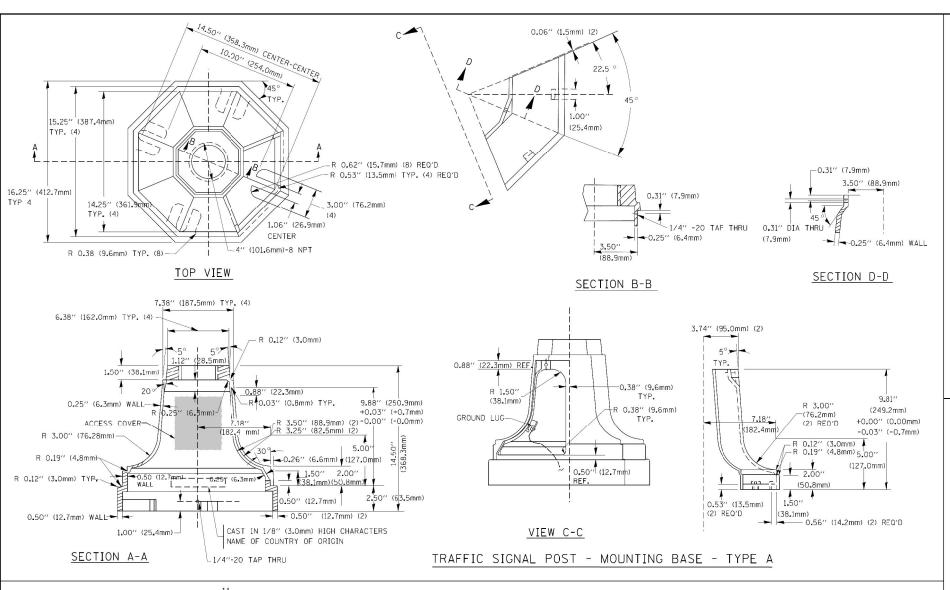
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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.

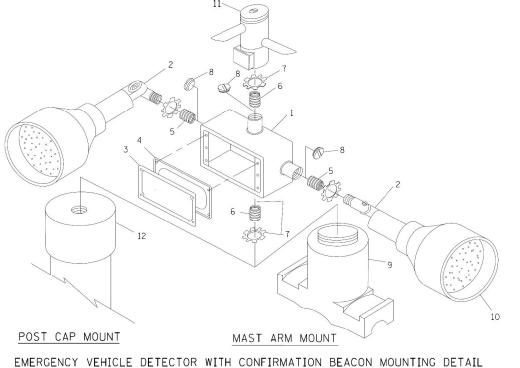
NOTES:

- 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.

								GHA #4085.887
FILE NAME =	USER NAME = zwallsten	DESIGNED - DAD	REVISED -		DISTRICT ONE	F.A.	SECTION	COUNTY TOTAL SHEET
60V80-012-intersec.dgn		DRAWN - BCK	REVISED -	STATE OF ILLINOIS		VARIES	2012-070 I	WILL 103 12
	PLOT SCALE = 1:20	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05	CONTRACT NO. 60V80
Default	PLOT DATE = 12/20/2012	DATE - 10-28-09	REVISED -		SCALE: NONE SHEET 2 OF 6 SHEETS STA. TO STA.		ILL INOIS EE	O AID PROJECT







USER NAME = zwallsten

PLOT DATE = 12/20/2012

DESIGNED - DAD

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10-28-09

DRAWN

DATE

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FILE NAME =

60V80-014-intersec.dom

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:

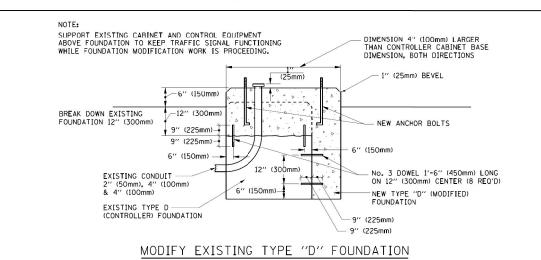
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
 ITEM #2- MULBERRY CON-O-SHADE LAMP SHIFLD OR FOLITVALENT
 ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A ¾"(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.

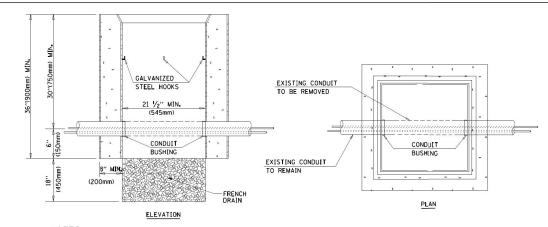
R0.50" (12mm) R0.50" (12mm) R0.50" (12mm) R0.50" (12mm) R0.50" (12mm) R0.25"
Α	В	c.	HEIGHT	WEIGHT
VARIES	9.5′′(241mm)	19''(483mm)	7'' (178mm) - 12'' (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0''(330mm)	26''(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5′′(470mm)	37''(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

NOTES:

- 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.





NOTES:

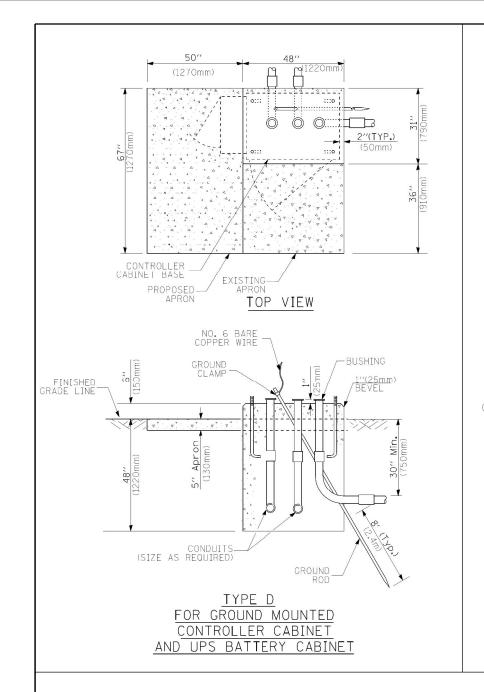
SCALE: NONE

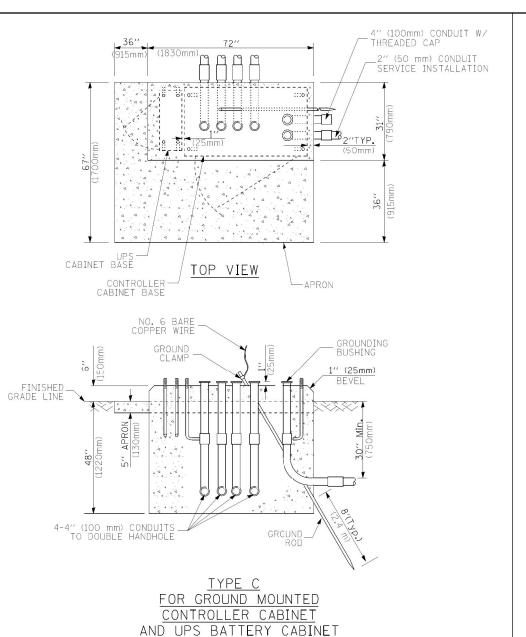
- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

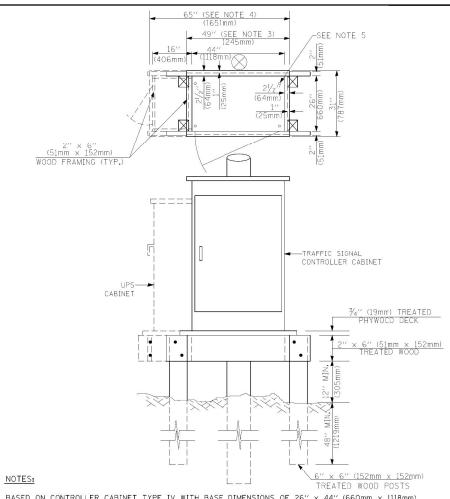
HANDHOLE TO INTERCEPT EXISTING CONDUIT

				GHA #4	085.887
DISTRICT ONE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	VARIES	2012-070 I	WILL	103	14
STANDAND THAT TO SIGNAL DESIGN DETAILS		TS-05	CONTRACT	NO. 6	08VO
SHEET 4 OF 6 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION







- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm).
 ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF $16^{\prime\prime}$ x $25^{\prime\prime}$ (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

VERTICAL 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
FOUNDATION (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 - SQUARE	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:

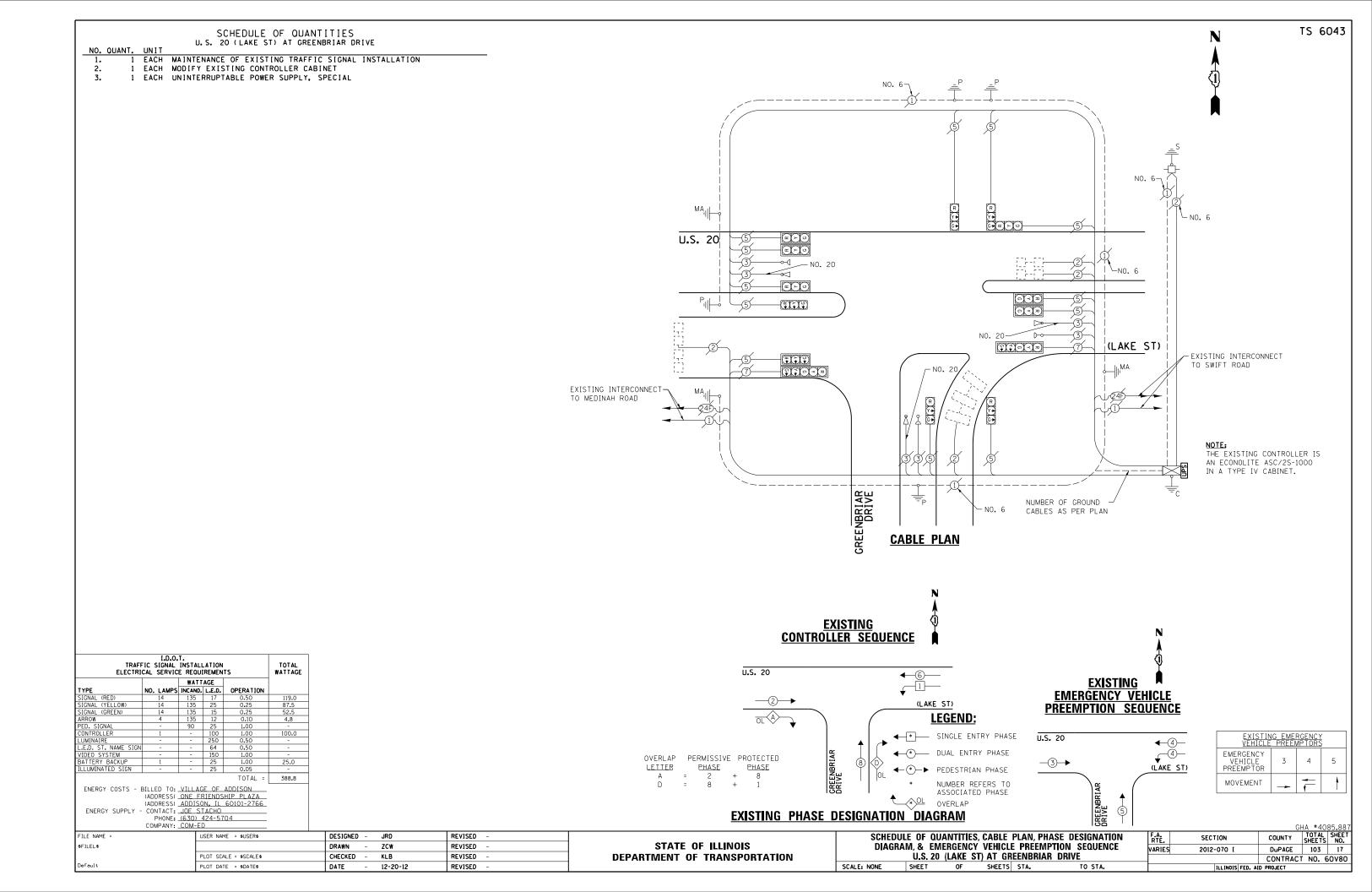
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along
 the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa).
 This strength shall be verified by boring data prior to construction or with testing by the Engineer
 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 mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

										GHA #4085.887
FILE NAME =		USER NAME = zwallsten	DESIGNED - DAD	REVISED -		DISTRICT ONE	F.A.	SECTION	COUNTY	TOTAL SHEET NO.
60V80-015-inte	tersec.dgn		DRAWN - BCK	REVISED -	STATE OF ILLINOIS		VARIES	2012-070 I	WILL	103 15
		PLOT SCALE = 1:20	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05		T NO. 60V80
Default		PLOT DATE = 12/20/2012	DATE - 10-28-09	REVISED -		SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.		ILL INGIS FED). AID PROJECT	

TRAFFIC SIGNAL LEGEND

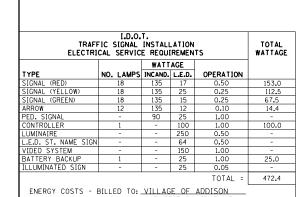
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	<u>ITEM</u>	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	R			EMERGENCY VEHICLE LIGHT DETECTOR	R	≪	◄	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
AILROAD CONTROL CABINET		R	₽ ◆	CONFIRMATION BEACON	R ₀ —(]	0—()	⊢			~	
OMMUNICATIONS CABINET	[cc] ^R	ECC	CC	HANDHOLE	R 🖂			COAXIAL CABLE		—(c)—	<u> </u>
ASTER CONTROLLER		EMC	MC		D	_		VENDOR CABLE FOR CAMERA		_(v)_	
ASTER MASTER CONTROLLER	R	EMMC	MMC	HEAVY DUTY HANDHOLE	H	Н	H				
NINTERRUPTIBLE POWER SUPPLY	UPS	EUPS	UPS	DOUBLE HANDHOLE	R 😡		N	COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		-6-	<u></u>
ERVICE INSTALLATION, P) POLE OR (G) GROUND MOUNT	R	-D ^P	- ■ P	JUNCTION BOX GALVANIZED STEEL CONDUIT			0	FIBER OPTIC CABLE NO. 62.5/125, MM12F		—(12F)—	
ELEPHONE CONNECTION P) POLE OR (G) GROUND MOUNT	R I	P _T	P _T	IN TRENCH (T) OR PUSHED (P) TEMPORARY SPAN WIRE, TETHER WIRE,	R			FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F		<u>—24F</u> —	—(24F)—
TEEL MAST ARM ASSEMBLY AND POLE LUMINUM MAST ARM ASSEMBLY AND POLE	Ö	0		AND CABLE				FIBER OPTIC CABLE NO. 62.5/125,		~	
	0	0		COMMON TRENCH COILABLE NONMETALLIC CONDUIT (EMPTY)			CT CNC	(NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)		- >-	-
STEEL COMBINATION MAST ARM SSEMBLY AND POLE WITH LUMINAIRE	RO>X	O-X	•*	SYSTEM ITEM		S	S	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM,		^C ∥	^c ı⊩•
TEEL COMBINATION MAST ARM SSEMBLY AND POLE WITH PTZ CAMERA	"O PTZIJ	PĪZĦ	PTZ (INTERSECTION ITEM		I	IΓ	OR (S) SERVICE		1	•
IGNAL POST	RO	0	•	REMOVE ITEM	R			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
EMPORARY WOOD POLE (CLASS 5 OR	R⊗	\otimes	•	RELOCATE ITEM	RL				RMF		
ETTER) 45 FOOT (13.7m) MINIMUM	R	<u> </u>		ABANDON ITEM	А			STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED	ORIVIE		
JY WIRE	>	>	>	12" (300mm) TRAFFIC SIGNAL SECTION		R	R	ALUMINUM MAST ARM POLE AND	RMF		
GNAL HEAD	4	\rightarrow	-	12" (300mm) RED WITH 8" (200mm)		R		FOUNDATION TO BE REMOVED	0		
GNAL HEAD CONSTRUCTION STAGES UMBERS INDICATE THE CONSTRUCTION STA			→ ²	YELLOW AND GREEN TRAFFIC SIGNAL FACE			R	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED	RMF O-X		
IGNAL HEAD WITH BACKPLATE	+C ^R	+>	+-				Y	SIGNAL POST AND FOUNDATION	2005		
IGNAL HEAD OPTICALLY PROGRAMMED	R →>"P"		-▶ "P"	SIGNAL FACE		(G)	G ∢ Y	TO BE REMOVED	RMF		
_ASHER INSTALLATION 5 DENOTES SOLAR POWER)	R O-E>″F″	O-I⊃"F"	●→ "F"			↓ 6	↓ G	INTERSECTION & SAMPLING (SYSTEM) DETECTOR			IS
EDESTRIAN SIGNAL HEAD	R -	-	-1			R	R	SAMPLING (SYSTEM) DETECTOR		[s]	S
EDESTRIAN PUSHBUTTON DETECTOR	R (10)	©	©	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD			Y G	EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTO	R	'' [P]	
CCESSIBLE PEDESTRIAN PUSHBUTTON DETE	CTOR @ APS	@APS	APS O O O O O O O O O O O O O			₩ ¥ € € € € € € € € € € € € € € € € € €	← Y ← G	EXISTING PREFORMED INTERSECTION LOOP DETECTOR		[PP]	
LLUMINATED SIGN NO LEFT TURN''		9	•	12" (300mm) PEDESTRIAN SIGNAL HEAD		ÓW)	r	PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTO PREFORMED INTERSECTION AND SAMPLING	К	⊢⊸ PIS	PIS
LUMINATED SIGN NO RIGHT TURN''	R		®	WALK/DON'T WALK SYMBOL				(SYSTEM) DETECTOR			
				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR		ÎPSÎ	PS
TECTOR LOOP, TYPE I		[_]		12" (300mm) PEDESTRIAN SIGNAL HEAD			•	BAU BOA 5	01/2450	. ^	
REFORMED DETECTOR LOOP		J	Р	INTERNATIONAL SYMBOL, SOLID		*	*	RAILROAD	2 A MIRO	L 2	
CROWAVE VEHICLE SENSOR	R M)	M	<u>M</u>	PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		(C) C)	₽ C ★ D			<u>EXISTING</u>	PROPOSED
DEO DETECTION CAMERA	R [♥]J		\bigcirc	RADIO INTERCONNECT	## *	##+0		RAILROAD CONTROL CABINET		R R	R►€
DEO DETECTION ZONE				RADIO REPEATER	R ERR	ERR	RR	RAILROAD CANTILEVER MAST ARM	Xe	\times	XOX X
AN, TILT, ZOOM CAMERA	R [PTZ]1		PTZ I	DENOTES NUMBER OF CONDUCTORS, ELECTRIC	EMI	EIM	TMA	FLASHING SIGNAL		$\times \bullet \times$	X O X
RELESS DETECTOR SENSOR	PIZN R		(W)	CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSING GATE		X0X>	**
RELESS ACCESS POINT	D			GROUND CABLE IN CONDUIT		1	(1)	CROSSBUCK		≥	*
		DECICIONED DAD	l permana	NO. 6 SOLID COPPER (GREEN)		\sim			le A		GHA 1
E NAME = USER NAME = zwal 80-016-intersec.dgn		DESIGNED - DAD DRAWN - BCK	REVISED -	STATI	E OF ILLINOI	S		DISTRICT ONE	F.A. RTE. VARIES	SECTION 2012-070 I	COUNTY TOTAL SHEETS
PLOT SCALE = 1:20 ault		CHECKED - DAD DATE - 10-28-09	REVISED -	DEPARTMENT	OF TRANSP	ORTATION	SCALE: NO	STANDARD TRAFFIC SIGNAL DESIGN DETAILS NE SHEET 6 OF 6 SHEETS STA. TO STA.		TS-05	CONTRACT NO. 6



EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET

1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



ENERGY COSTS - BILLED TO: VILLAGE OF ADDISON
(ADDRESS) ONE FRIENDSHIP PLAZA
(ADDRESS) ADDISON, IL 60101-2766
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 427-5704 COMPANY: COM-ED FILE NAME = USER NAME = zwallsten

PLOT SCALE = 1:20

PLOT DATE = 12/20/2012

60V80-018-ts.dgr

DESIGNED - JRD

ZCW

KLB

12-20-12

DRAWN

DATE

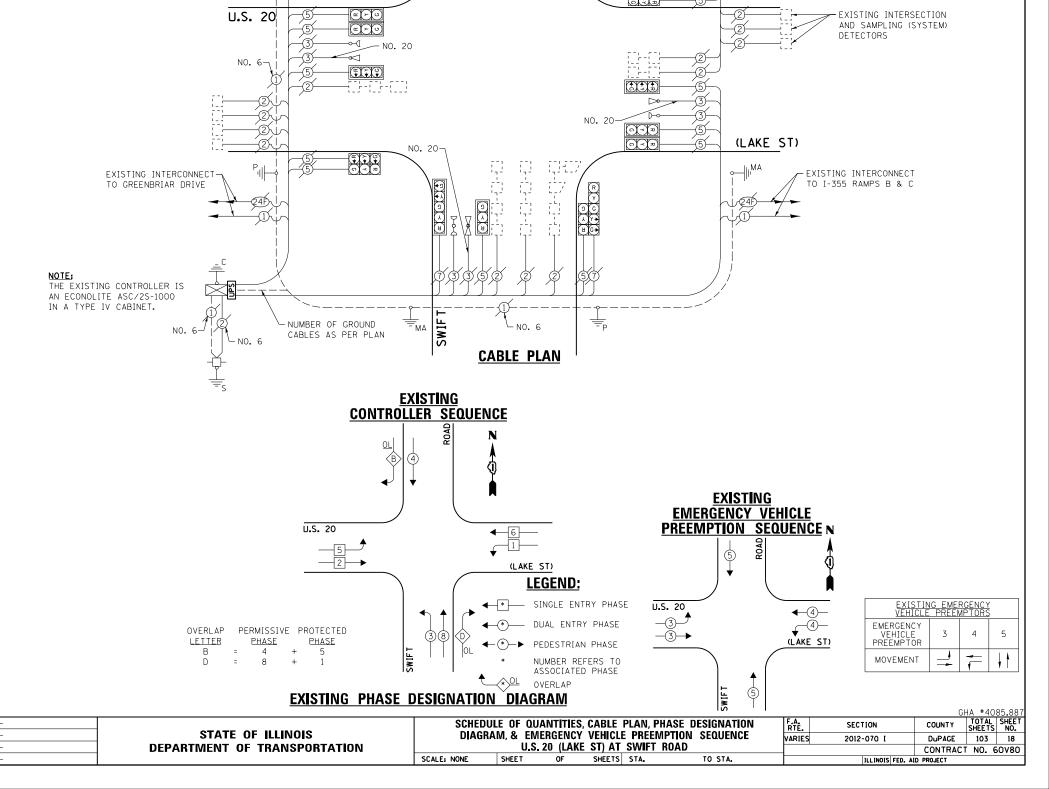
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REVISED

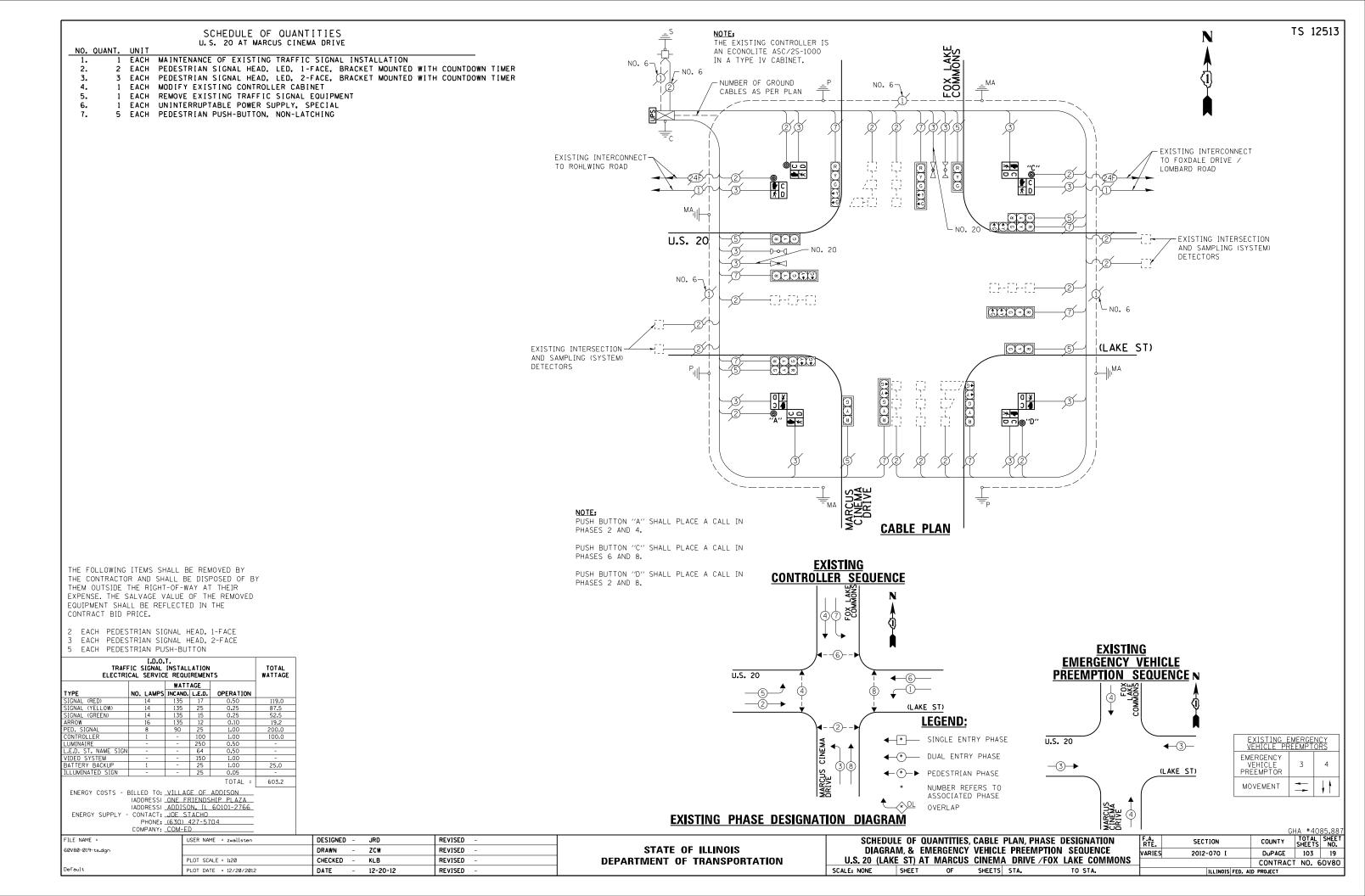
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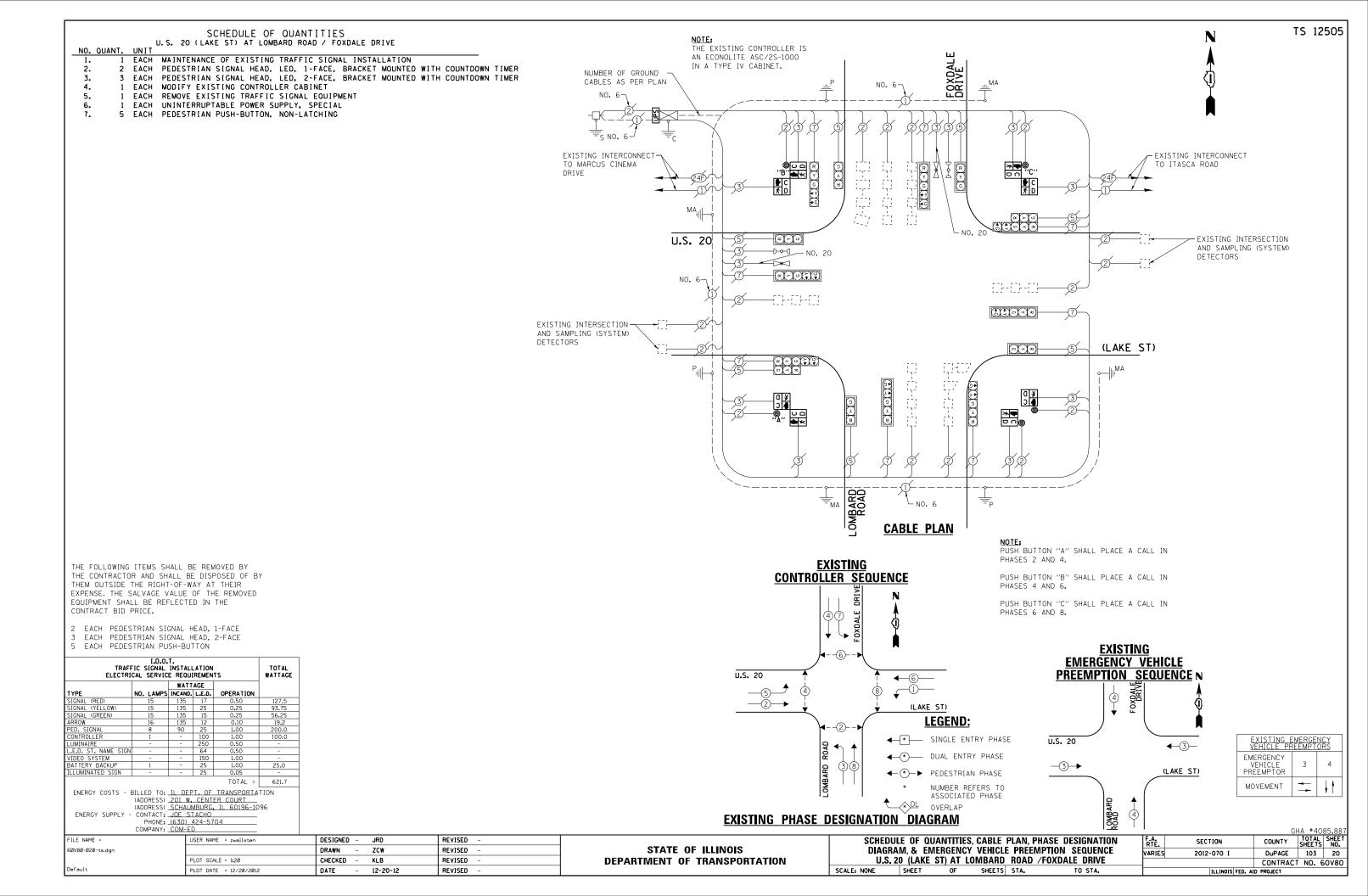


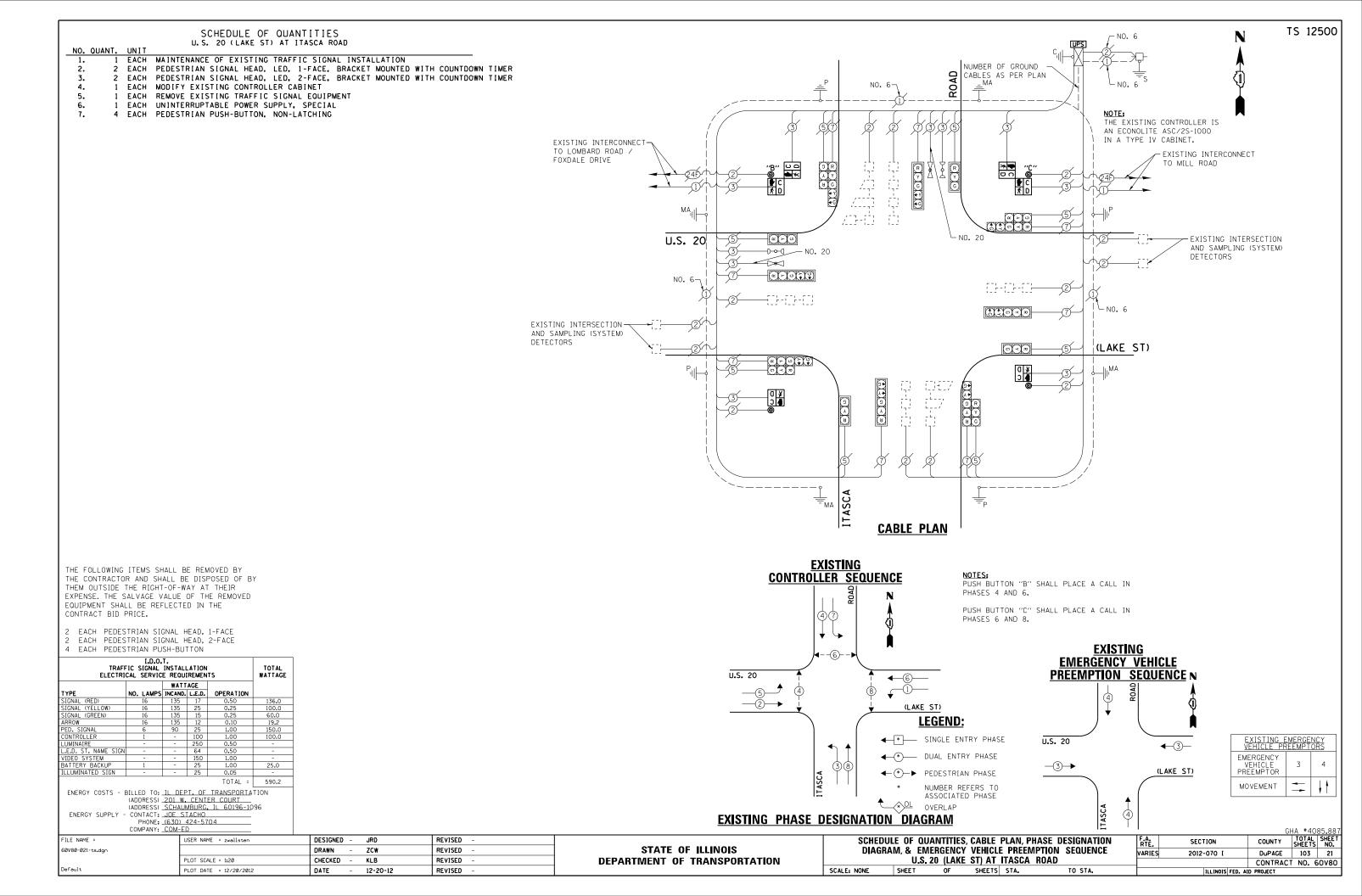
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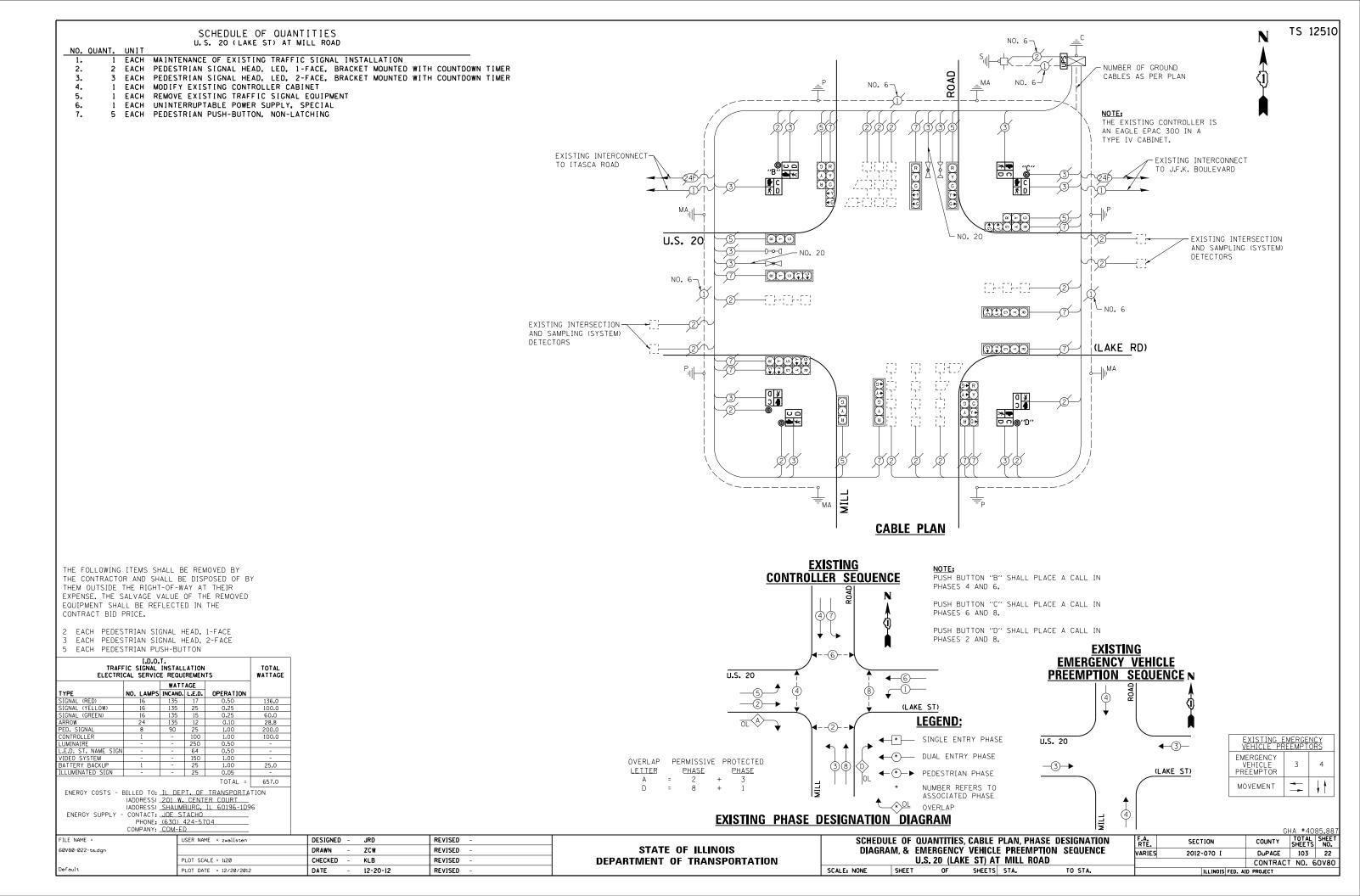
NO. 6-

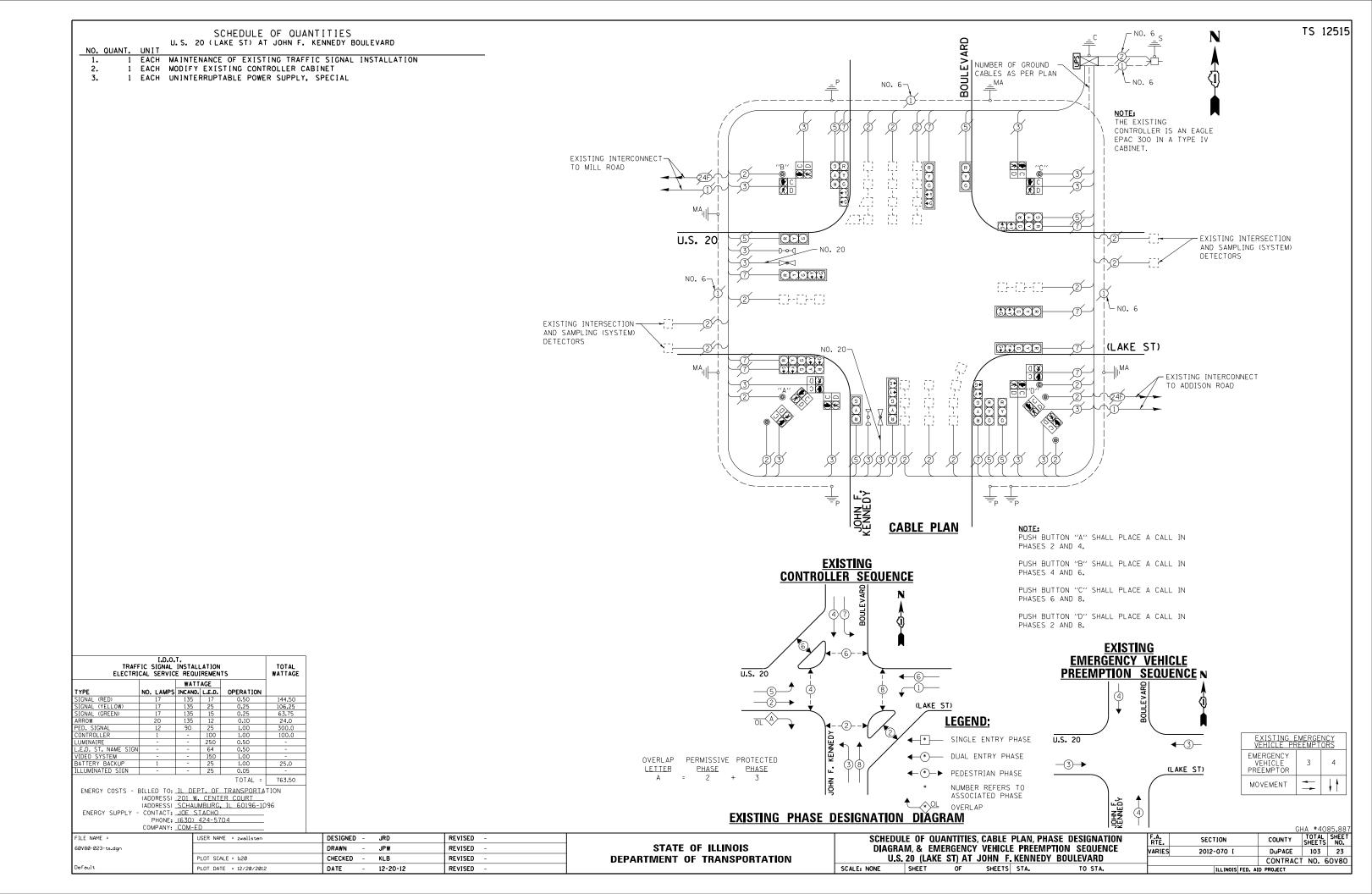
MA_{II}|

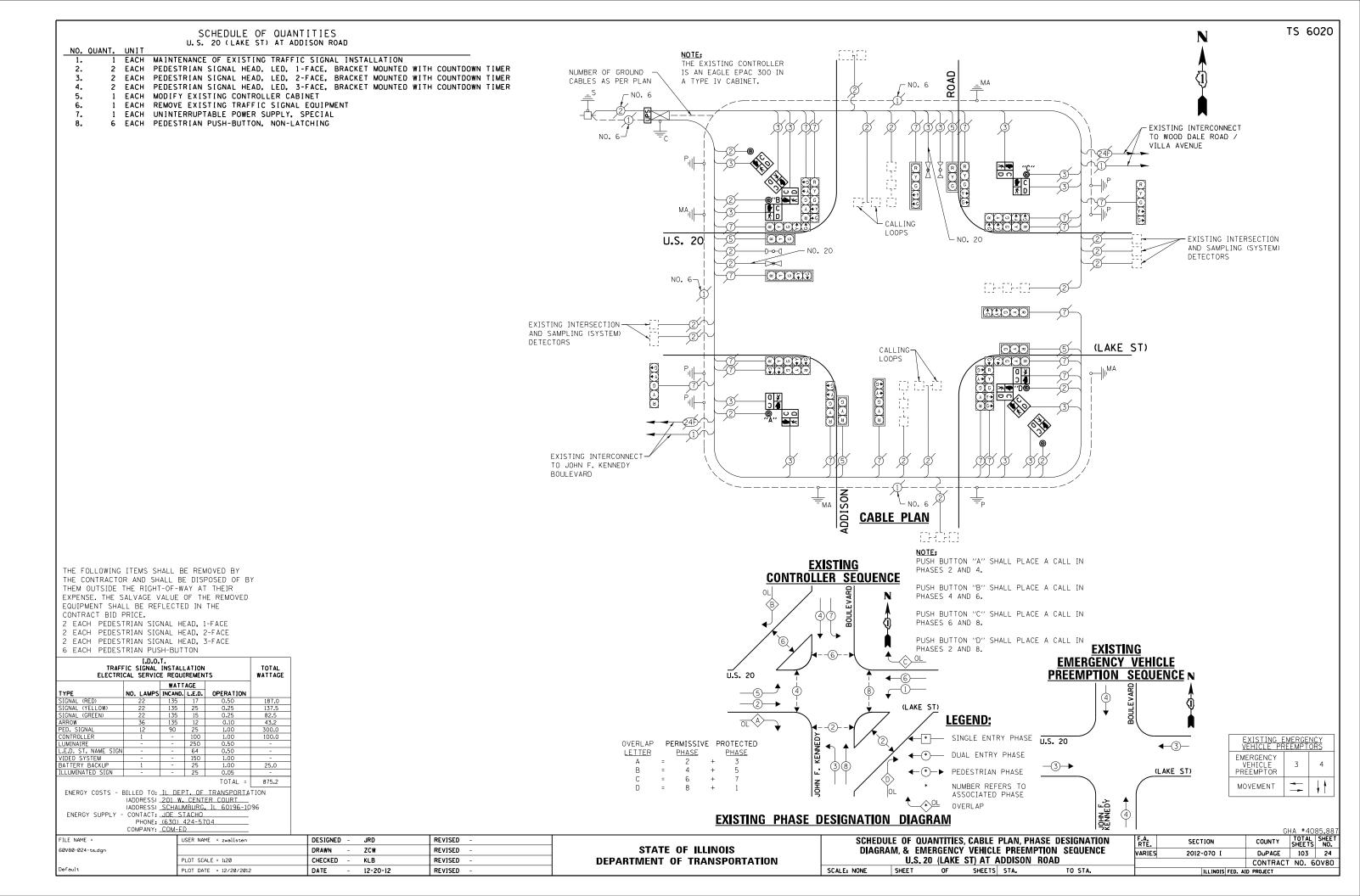


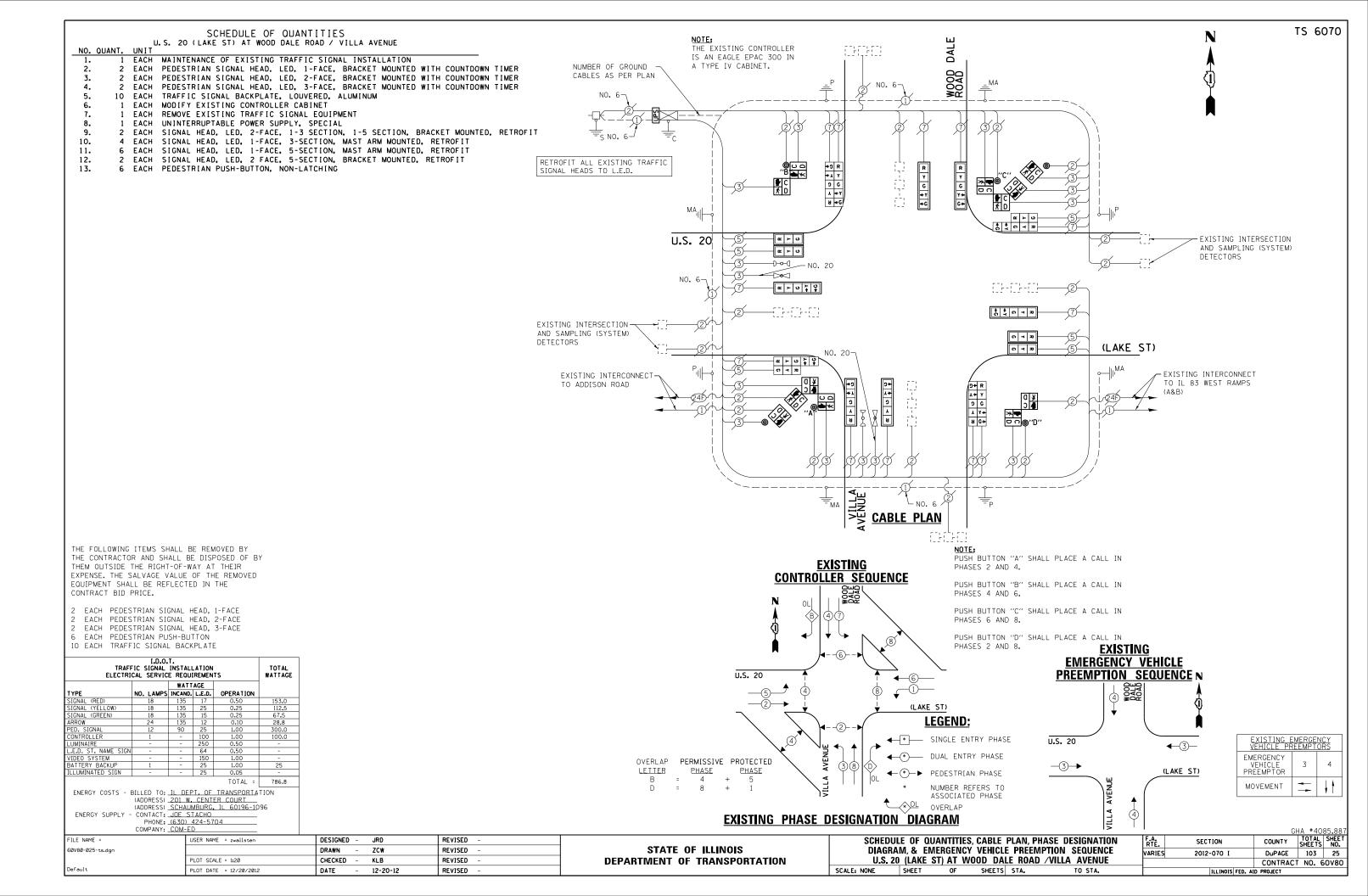


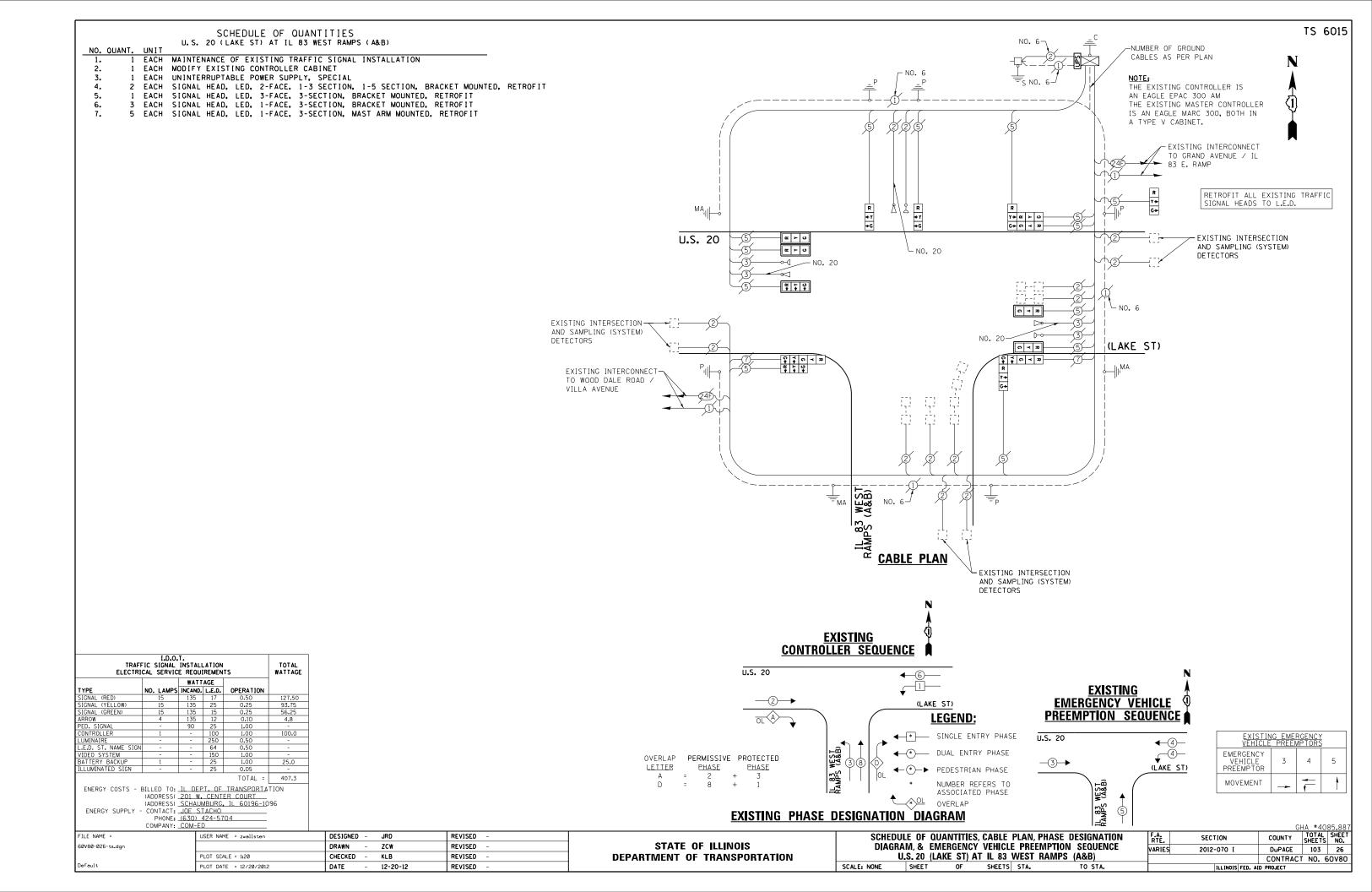


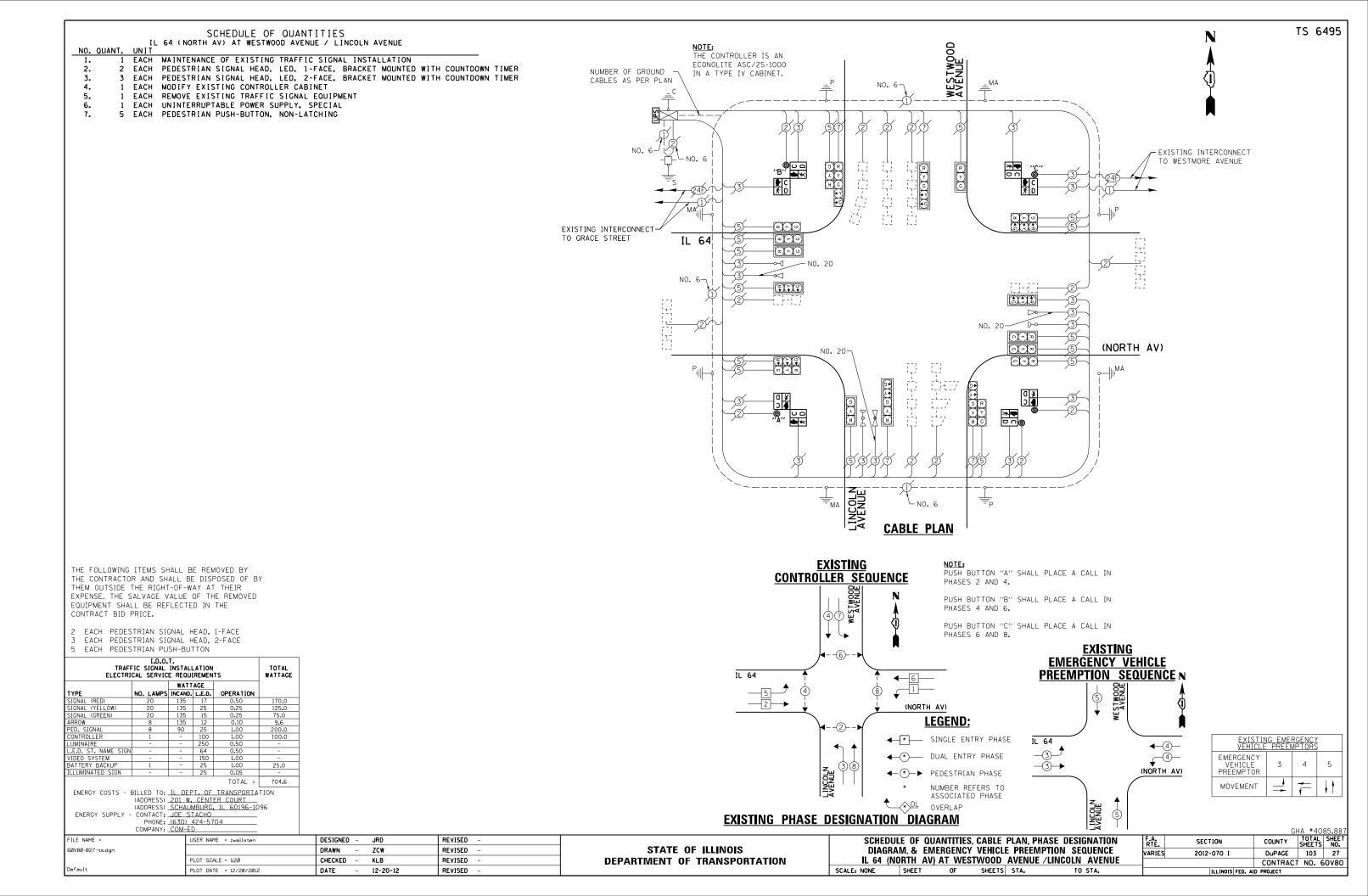


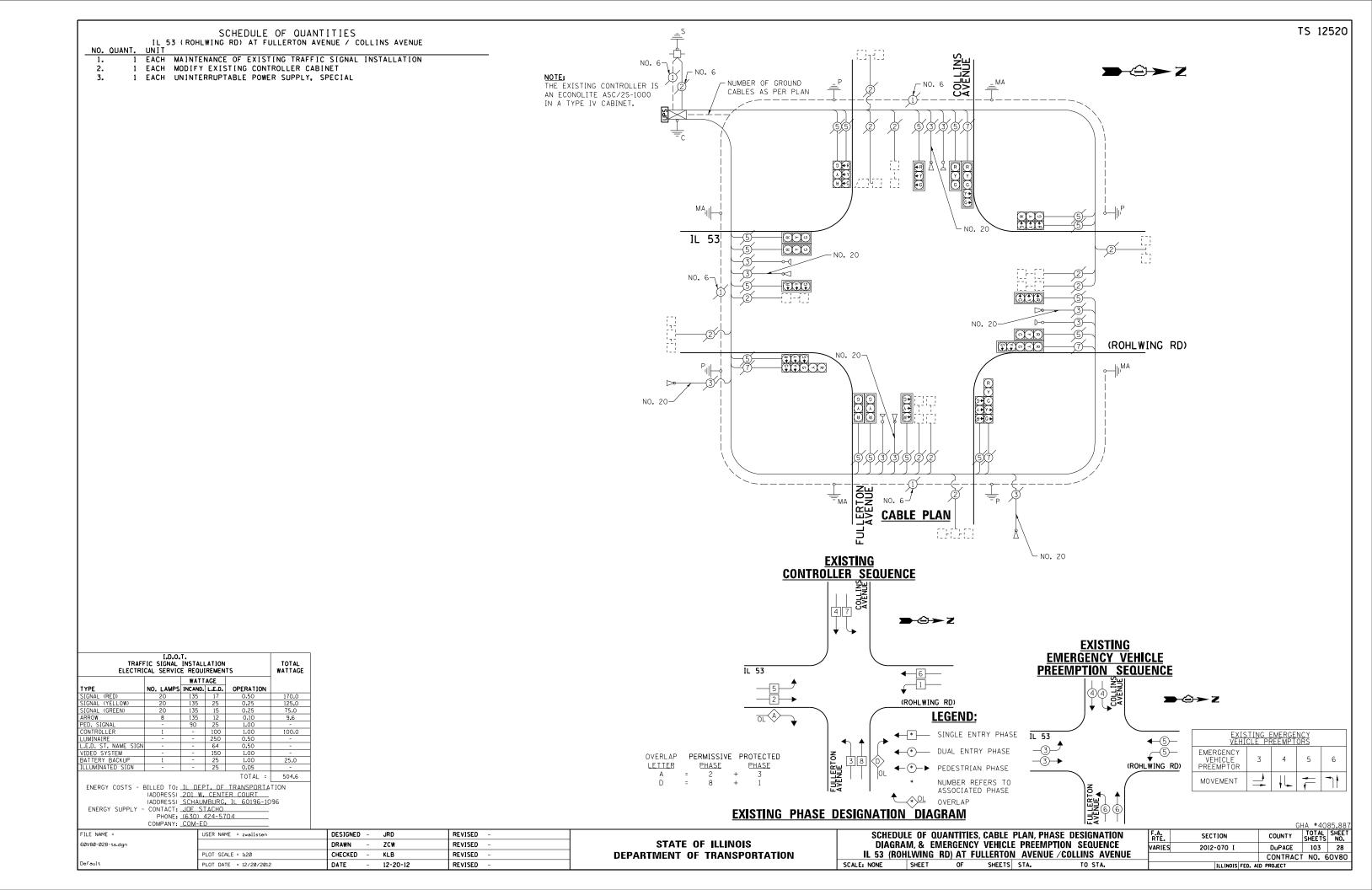












SCHEDULE OF QUANTITIES IL 59 AT APPLE VALLEY DRIVE

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

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.

8 EACH TRAFFIC SIGNAL BACKPLATE

60V80-029-ts.dgr

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	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 =	375.1			
ENERGY COSTS - BILLED TO: <u>VILLAGE OF BARTLETT</u> (ADDRESS) <u>228 SOUTH MAIN STREET</u> (ADDRESS) BARTLETT, IL 60103								
ENERGY SUPPLY - CONTACT:IDE_STACHO PHONE: _(630) _424-5704 COMPANY:COM-ED								
FILE NAME =	FILE NAME = USER NAME = zwallsten							

PLOT DATE = 12/20/2012

DESIGNED - JRD

- ZCW

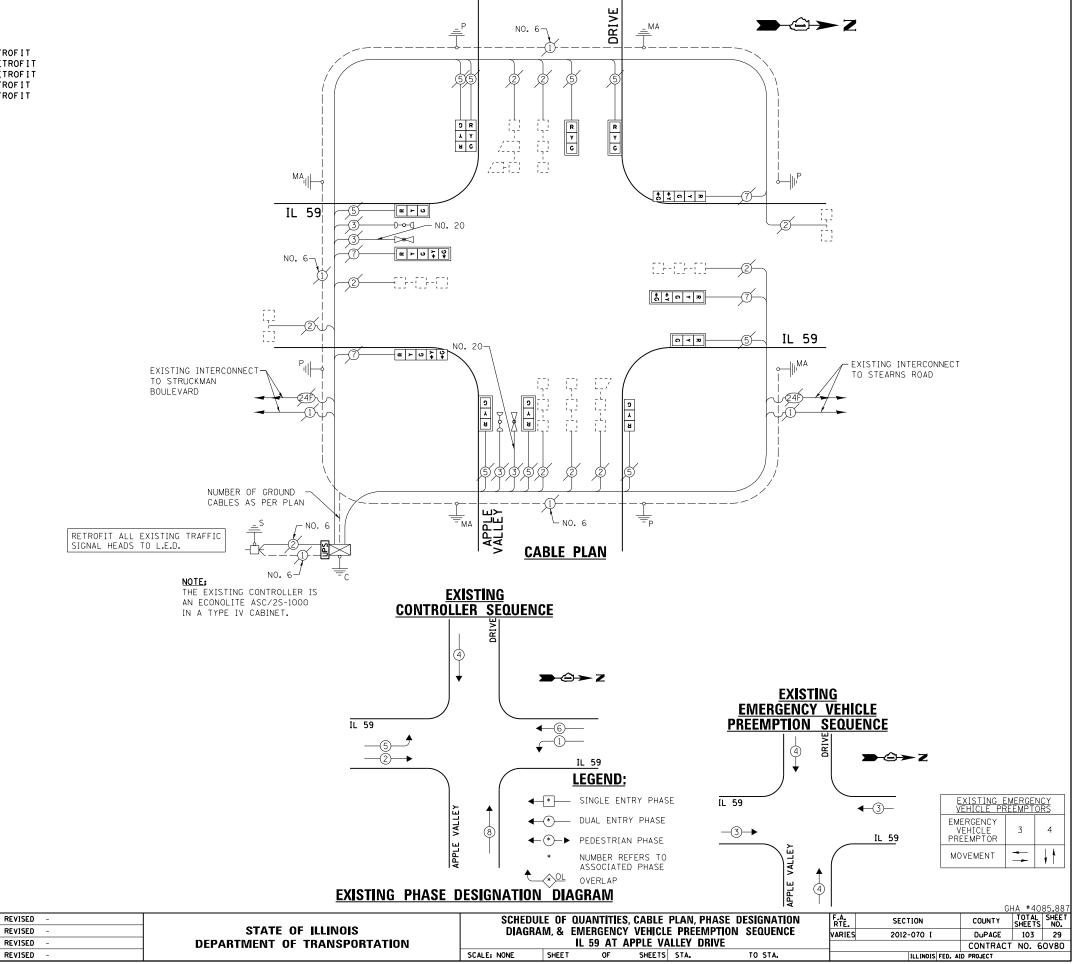
KLB

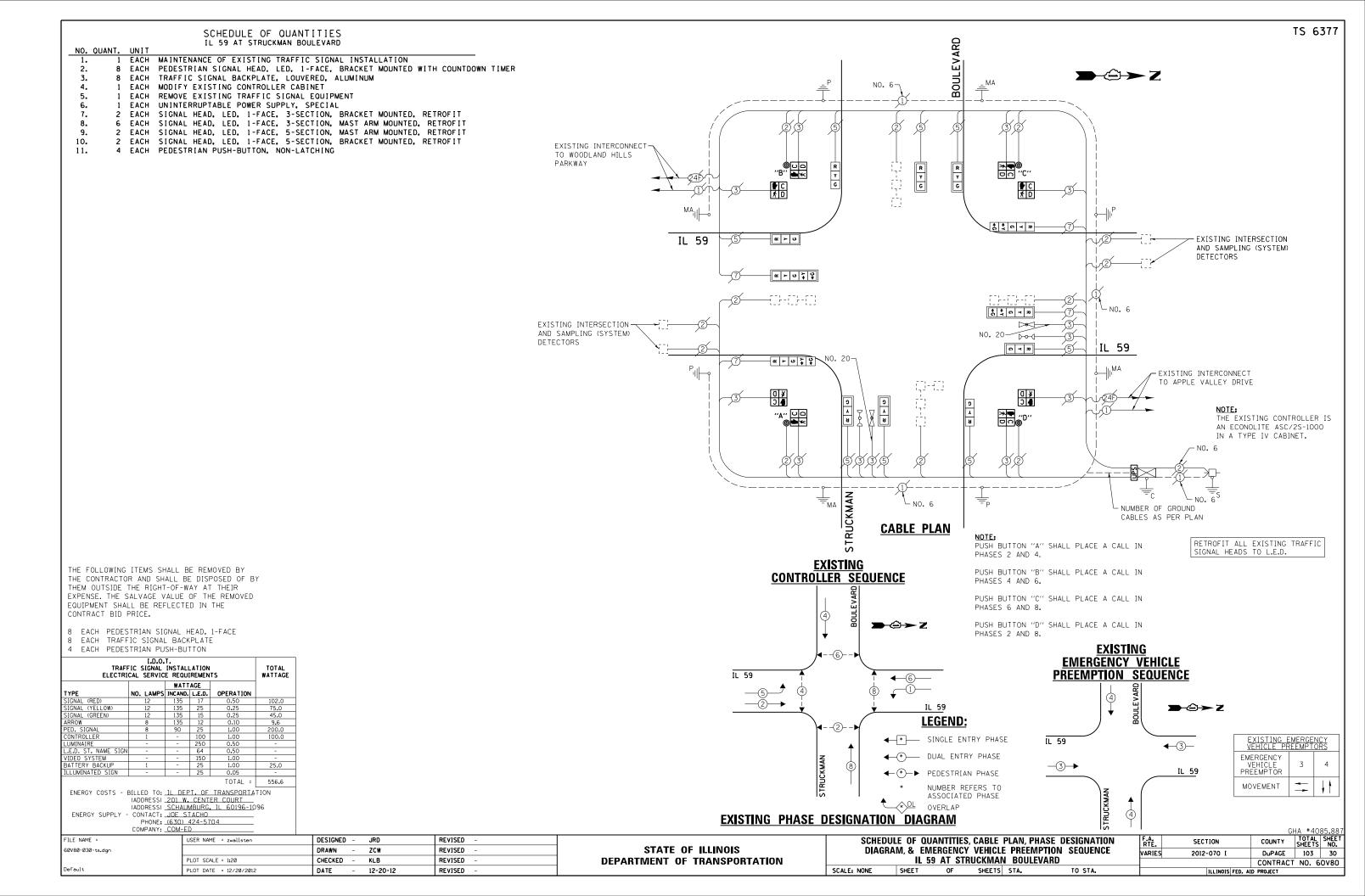
12-20-12

DRAWN

DATE

CHECKED





SCHEDULE OF QUANTITIES IL 59 AT WOODLAND HILLS PARKWAY

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

3. 2 EACH PEDESTRIAN PUSH-BUTTON

4. 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

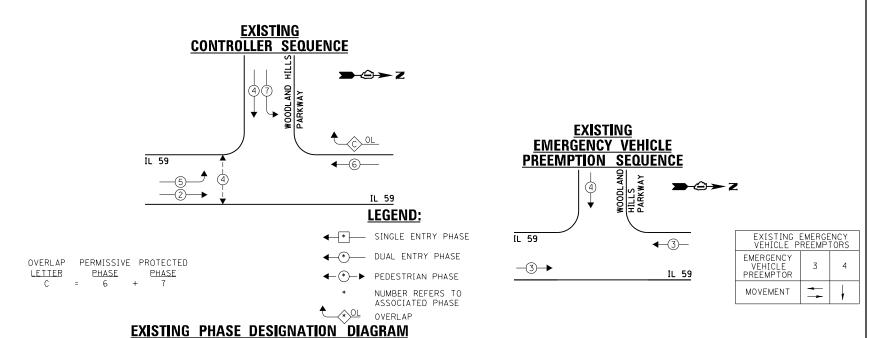
NUMBER OF GROUND CABLES AS PER PLANS EXISTING INTERCONNECT EXISTING INTERCONNECT TO STRUCKMAN TO SCHICK ROAD BOULEVARD @ \S @ IL 59 EXISTING INTERSECTION AND SAMPLING (SYSTEM) NO. 20 DETECTORS NO. 6-EXISTING INTERSECTION — AND SAMPLING (SYSTEM) DETECTORS NO. 20-**OZ** IL 59 - EXPO └ NO. 6 **CABLE PLAN**

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

TRAFF Electri	TOTAL WATTAGE				
TYPE	NO. LAMPS			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	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 =	425.1
ENERGY COSTS - E					
				MAIN STREET	
	(ADDRESS)			_ 60103	
ENERGY SUPPLY -					
	PHONE: .	(630) 4	124-57	04	
	COMPANY: .	COM-ED)		



STATE OF ILLINOIS

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 59 AT WOODLANDS HILLS PARKWAY
E: NONE | SHEET OF SHEETS STA. TO STA.

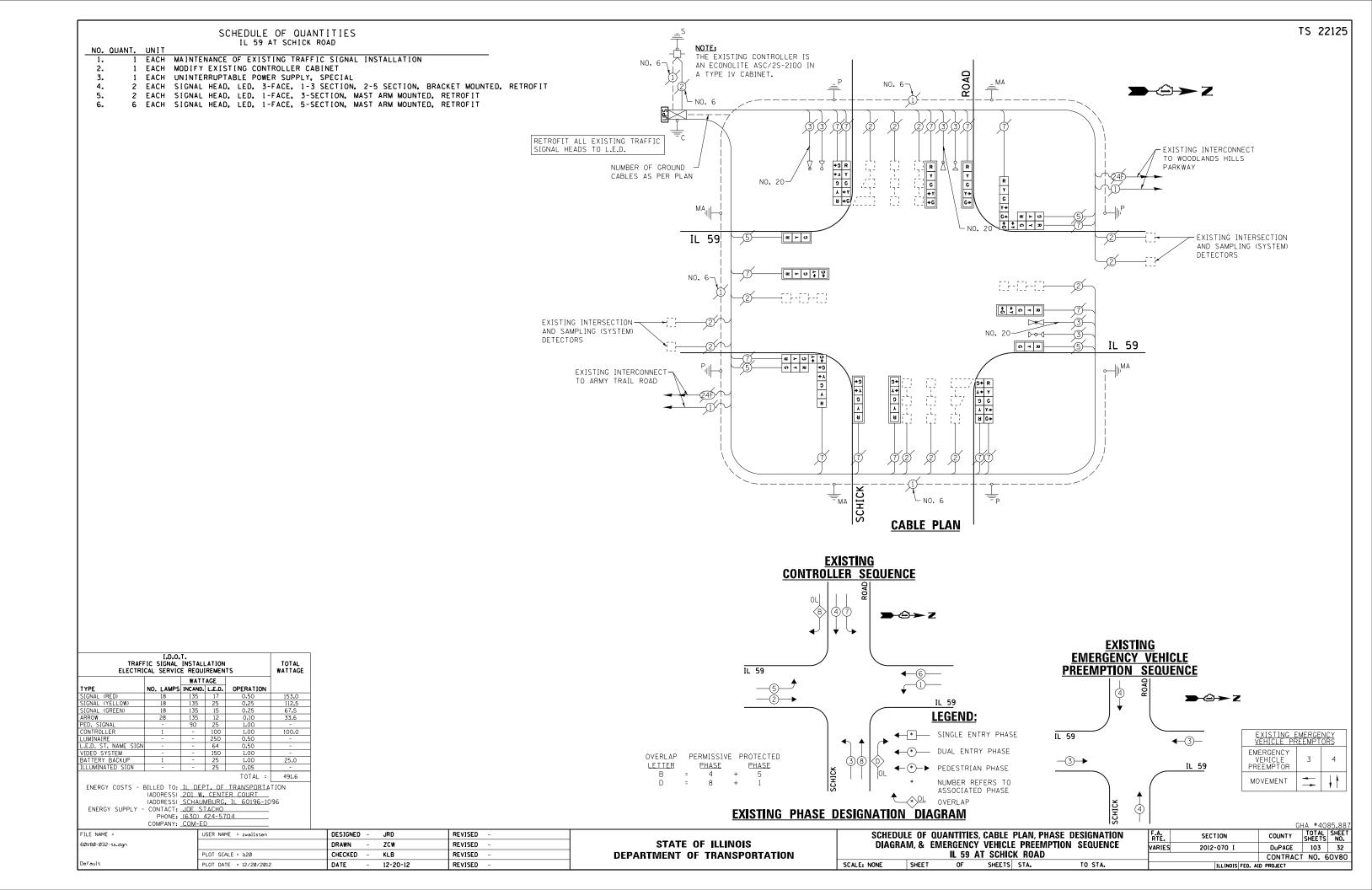
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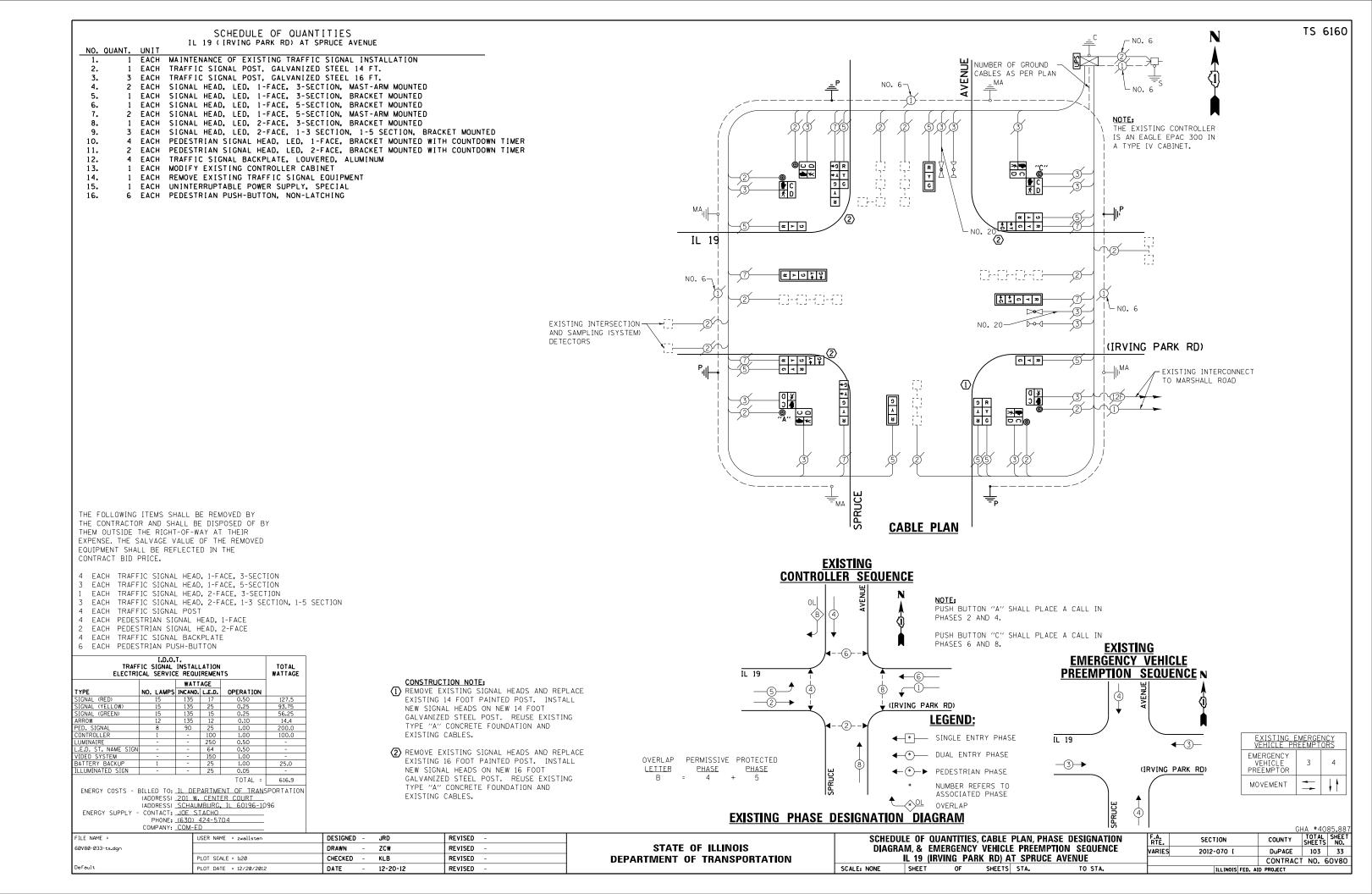
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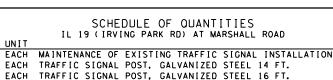
REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION







TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

EACH MODIFY EXISTING CONTROLLER CABINET

4 EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING

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

SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED

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

SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED

SIGNAL HEAD, LED, I-FACE, 5-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED

SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED

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

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.

4.

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6. 7.

8. 9.

10. 11.

12.

13.

14. 15.

16.

EACH

EACH

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

2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE 2 EACH TRAFFIC SIGNAL BACKPLATE

4 EACH PEDESTRIAN PUSH-BUTTON

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	8	135	12	0.10	9.6
PED. SIGNAL	6	90	25	1.00	150.0
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 =	488.1

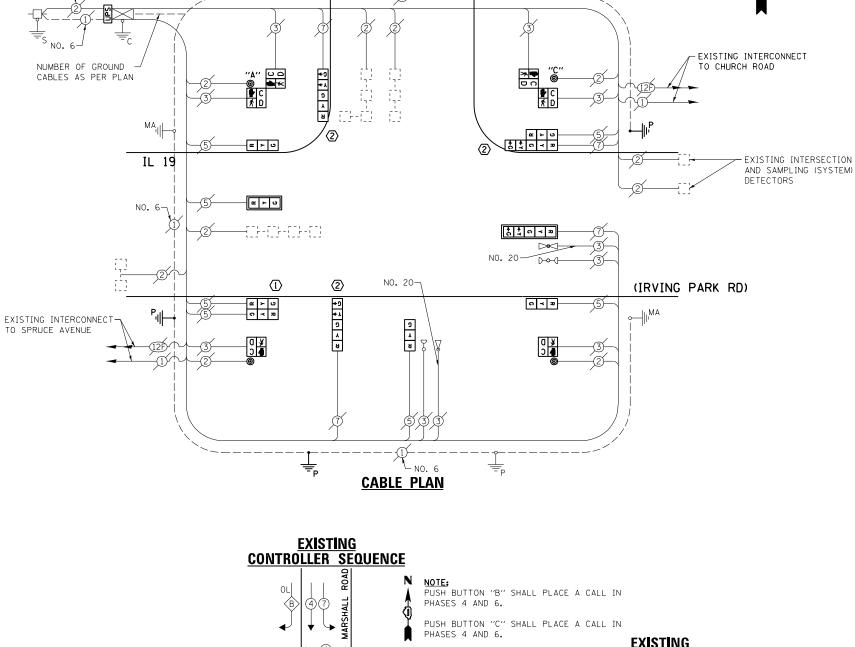
ENERGY COSTS - BILLED TO: <u>IL DEPARTMENT OF TRANS</u>PORTATION
(ADDRESS) <u>201 W. CENTER COURT</u>
(ADDRESS) <u>SCHAUMBURG</u>, <u>IL 60196-1096</u>

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

CONSTRUCTION NOTE:

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



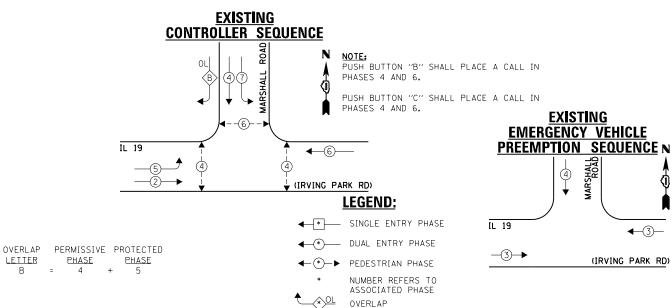
MARSHALL ROAD

NO. 6-

THE EXISTING CONTROLLER

IS AN EAGLE EPAC 300 IN

A TYPE IV CABINET.



EXISTING PHASE DESIGNATION DIAGRAM

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

Default	PLOT DATE = 12/20/2012	DATE	-	12-20-12	REVISED -	
	PLOT SCALE = 1:20	CHECKED	-	KLB	REVISED -	
60V80-034-ts.dgn		DRAWN	-	ZCW	REVISED -	
FILE NAME =	USER NAME = zwallsten	DESIGNED	-	JRD	REVISED -	

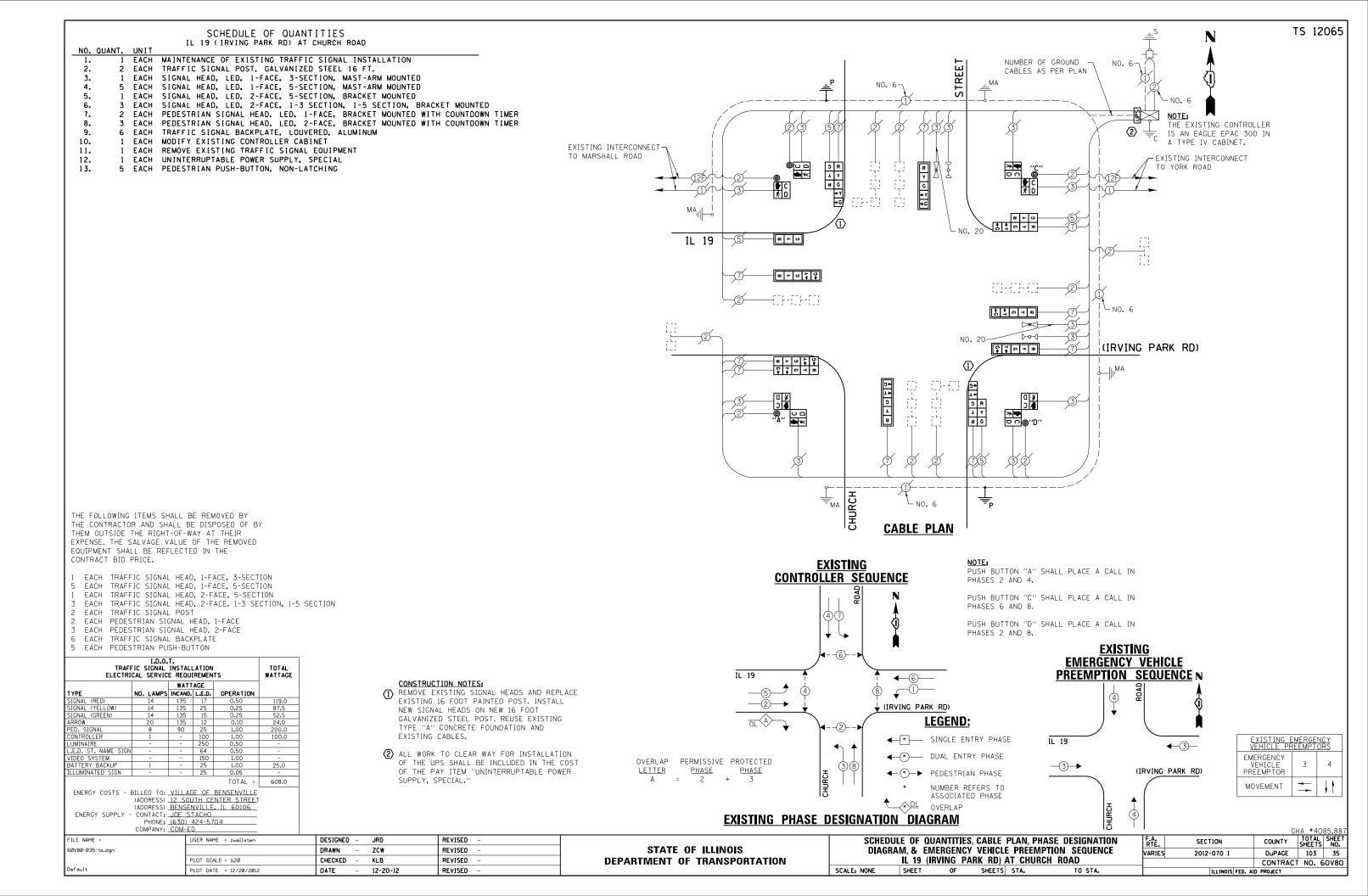
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 19 (IRVING PARK RD) AT MARSHALL ROAD
ONE SHEET OF SHEETS STA. TO STA.

EMERGENCY

VEHICLE PREEMPTOR

MOVEMENT

TS 6140



ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES IL 83 (BUSSE RD) AT MARK STREET

NO.	QUANT.	UNIT	
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	TRANSCEIVER - FIBER OPTIC
3.	3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
5.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
6.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
7.	2	EACH	SIGNAL HEAD, LED. 1-FACE, 5-SECTION, BRACKET MOUNTED
8.	2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
9.	2	EACH	SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
10.	2	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
11.	6	EACH	INDUCTIVE LOOP DETECTOR
12.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
13.	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
14.	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.

1	EACH	CABINET	AND CO	NTROLL	ER (COM	PLET	ΓE)		
6	EACH	TRAFFIC	SIGNAL	HEAD,	1-FACE,	3-SE	ECTION		
2	EACH	TRAFFIC	SIGNAL	HEAD,	1-FACE,	5-SE	ECTION		
2	EACH	TRAFFIC	SIGNAL	HEAD,	2-FACE,	3-S	ECTION		
2	EACH	TRAFFIC	SIGNAL	HEAD,	2-FACE,	1-3	SECTION,	1-5	SECTION
5	EACH	TRAFFIC	SIGNAL	POST					
2	EACH	TRAFFIC	SIGNAL	BACKP	LATE				

TRAFI 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	-	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 =	430.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704 COMPANY: COM-ED

USER NAME = zwallsten

PLOT DATE = 12/20/2012

FILE NAME =

60V80-036-ts.dgr

CONSTRUCTION NOTES:
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

- 2 REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (3) RELOCATION OF THE EXISTING PHASING UNIT FOR THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM IS TO BE INCLUDED IN THE COST OF THE PAY ITEM "FULL ACTUATED CONTROLLER AND CABINET OF THE TYPE SPECIFIED."

REVISED

REVISED

REVISED

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

DRAWN

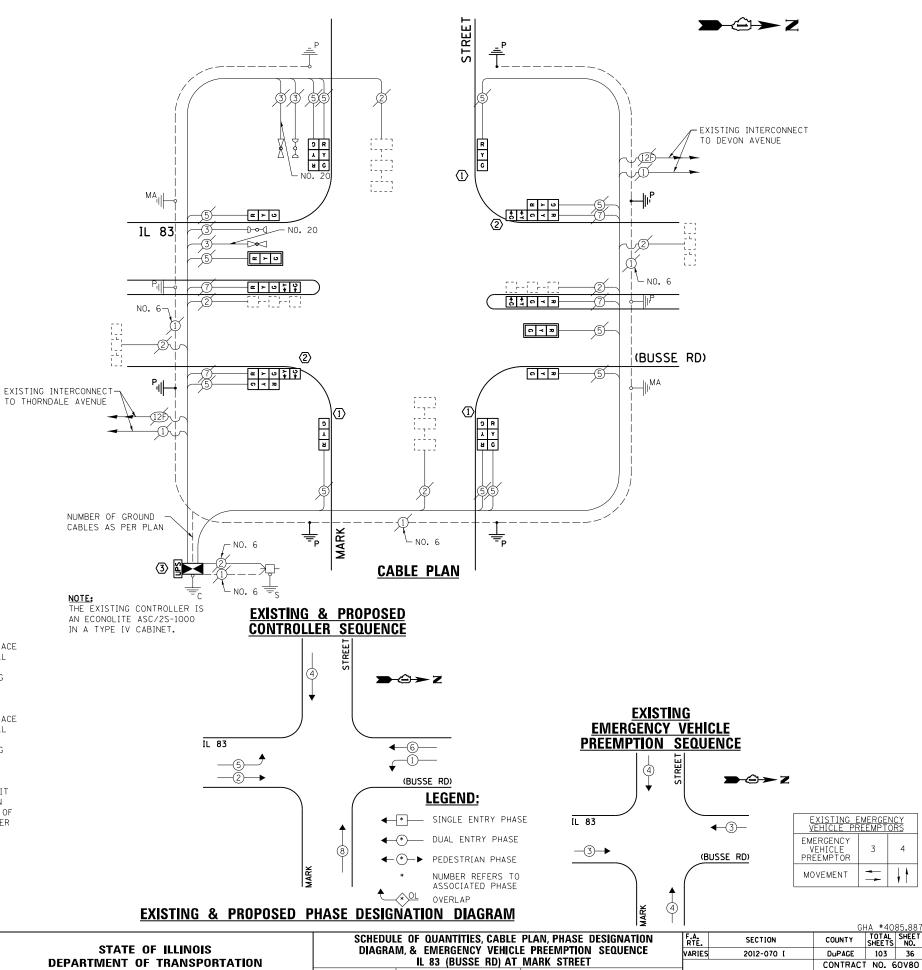
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- ZCW

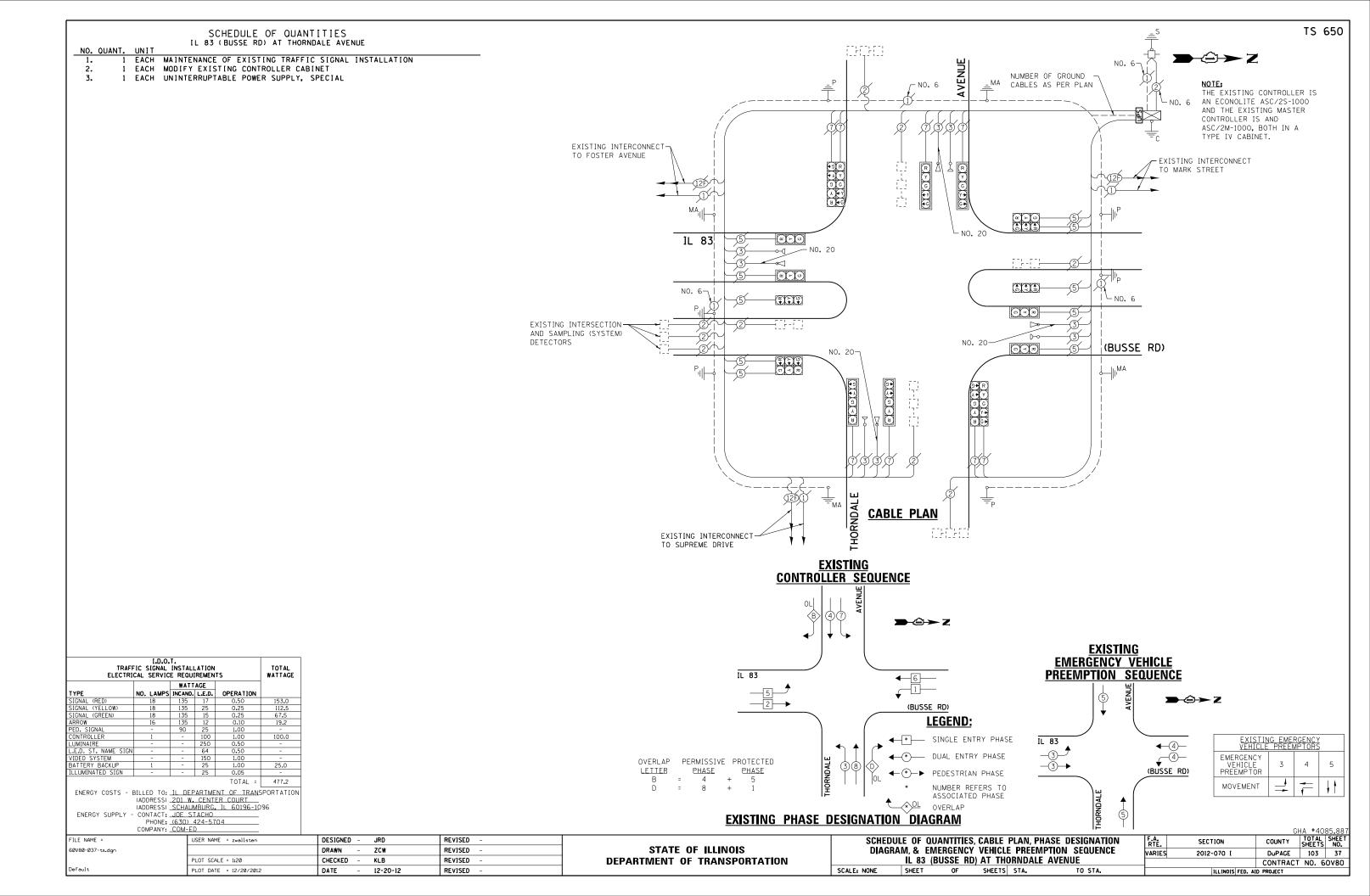
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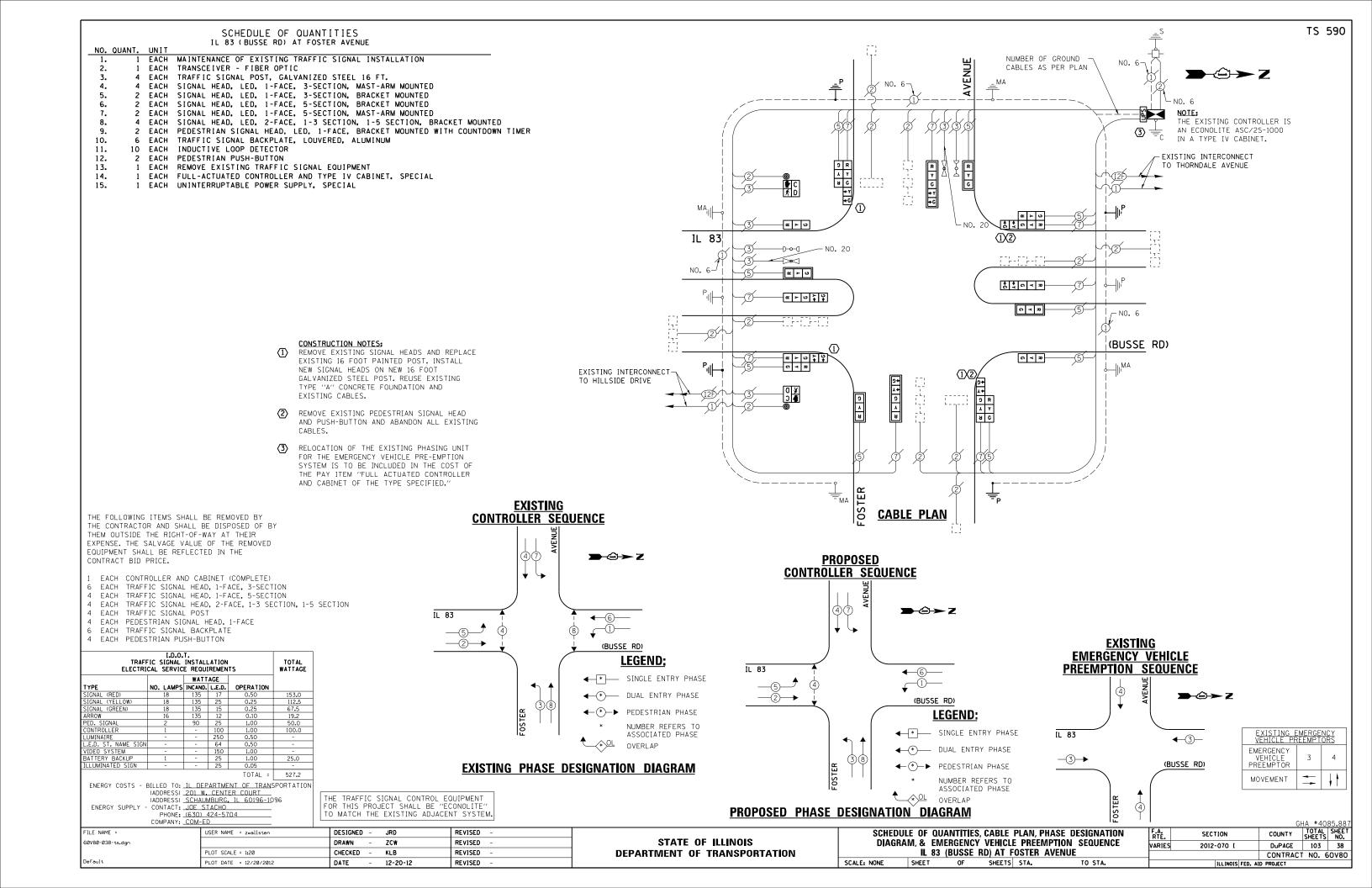
12-20-12



OF SHEETS STA.

SHEET





EXISTING INTERCONNECT

TO THORNDALE AVENUE

SCHEDULE OF QUANTITIES IL 83 (BUSSE RD) AT HILLSIDE DRIVE

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH TRANSCEIVER - FIBER OPTIC TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT. 4. TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED 5. SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 8. 9. SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 10. 11. INDUCTIVE LOOP DETECTOR 12. FACH PEDESTRIAN PUSH-BUTTON 13. EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL 14. 15. UNINTERRUPTABLE POWER SUPPLY, SPECIAL 16. EACH

- CONSTRUCTION NOTES:
 (I) 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) REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- (3) REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON AND ABANDON ALL EXISTING
- (4) RELOCATION OF THE EXISTING PHASING UNIT FOR THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM IS TO BE INCLUDED IN THE COST OF THE PAY ITEM "FULL ACTUATED CONTROLLER AND CABINET OF THE TYPE SPECIFIED."

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.

EACH CONTROLLER AND CABINET (COMPLETE) EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION EACH TRAFFIC SIGNAL HEAD, 2-FACE, 3-SECTION EACH TRAFFIC SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION

EACH TRAFFIC SIGNAL POST

EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

EACH TRAFFIC SIGNAL BACKPLATE 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	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 =	480.6

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

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704

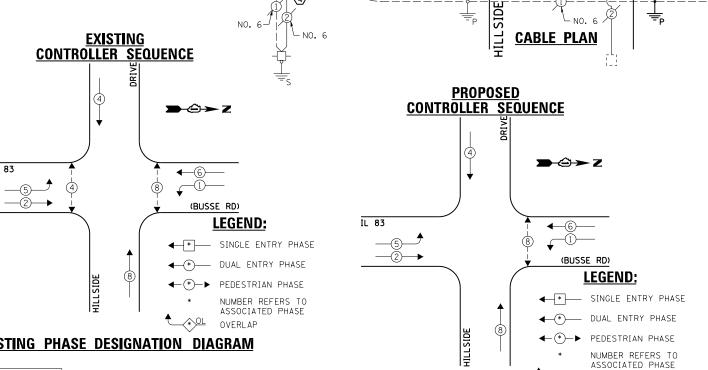
COMPANY: _COM-ED FILE NAME = DESIGNED - JRD REVISED USER NAME = zwallsten 60V80-039-ts.dar DRAWN - ZCW REVISED CHECKED KLB REVISED PLOT DATE = 12/20/2012 DATE 12-20-12 REVISED

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

CONTROLLER SEQUENCE PROPOSED CONTROLLER SEQUENCE **→**⊕→ Z **>**-Ô→Z IL 83 (BUSSE RD) LEGEND: IL 83 ◆
| * SINGLE ENTRY PHASE (BUSSE RD) ◆ DUAL ENTRY PHASE **LEGEND:** ◆

PEDESTRIAN PHASE

PEDE **★** SINGLE ENTRY PHASE NUMBER REFERS TO ASSOCIATED PHASE ◆─(*)── DUAL ENTRY PHASE OVERLAP PEDESTRIAN PHASE **EXISTING PHASE DESIGNATION DIAGRAM** NUMBER REFERS TO ASSOCIATED PHASE *<u>OL</u> OVERLAP



MA_{II}|

IL 83

NO. 6

4

EXISTING INTERCONNECT

NUMBER OF GROUND

CABLES AS PER PLAN

TO GROVE AVENUE

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

@ > U

@ > O \ \

NO. 20-

 $2\sqrt{3}$

EMERGENCY VEHICLE PREEMPTION SEQUENCE **> ≥ >** Z **4**-3 _3→ (BUSSE RD)

EXISTING

EXISTING EMERGENCY VEHICLE PREEMPTORS EMERGENCY VEHICLE PREEMPTOR MOVEMENT

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

SHEET

OF

IL 83 (BUSSE RD) AT HILLSIDE DRIVE

SHEETS STA.

DRIVE

1

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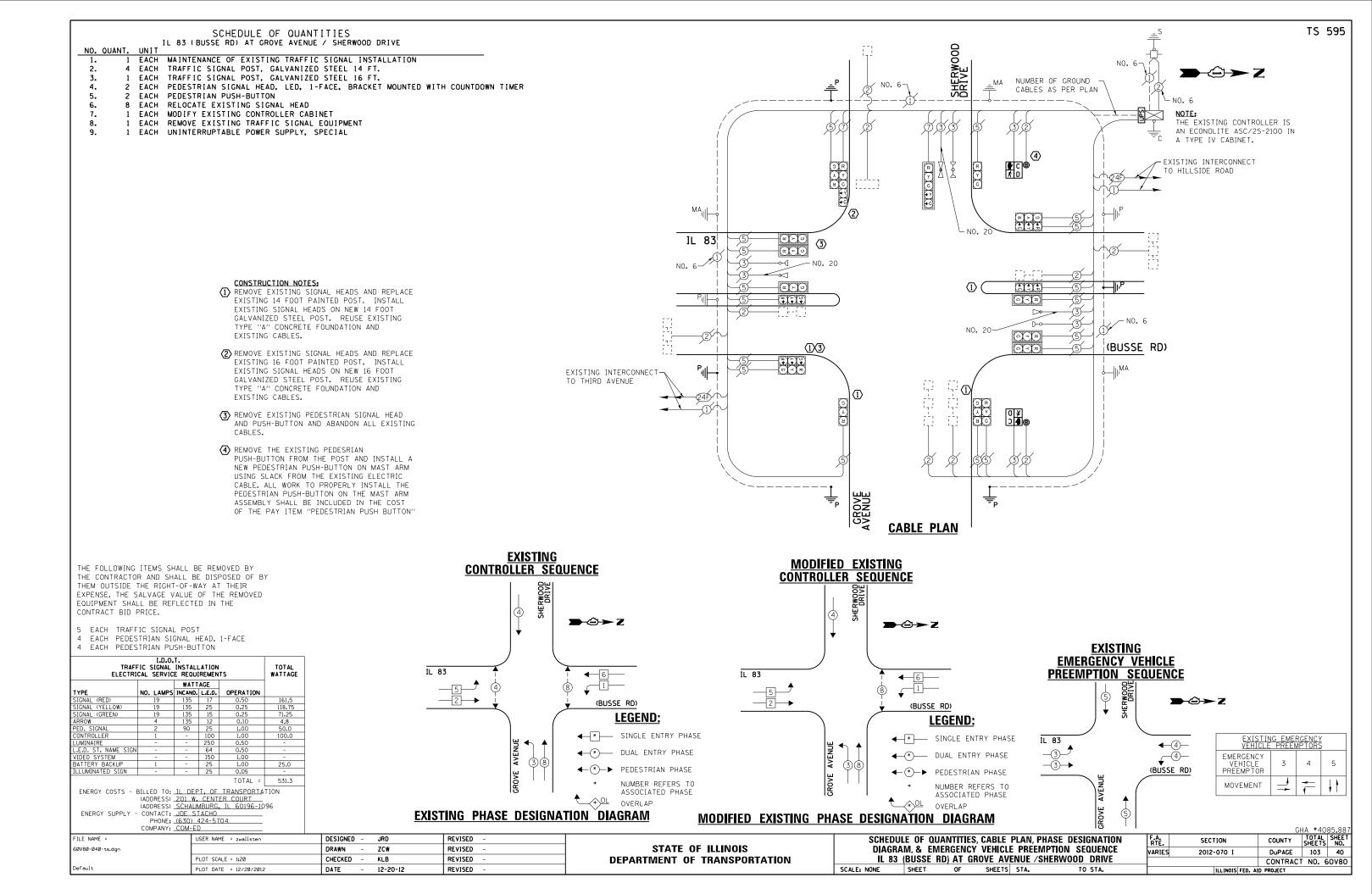
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_ NO. 6

(BUSSE RD)

COUNTY TOTAL SHEETS NO. SECTION VARIES 2012-070 I DuPAGE 103 39 CONTRACT NO. 60V80 ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

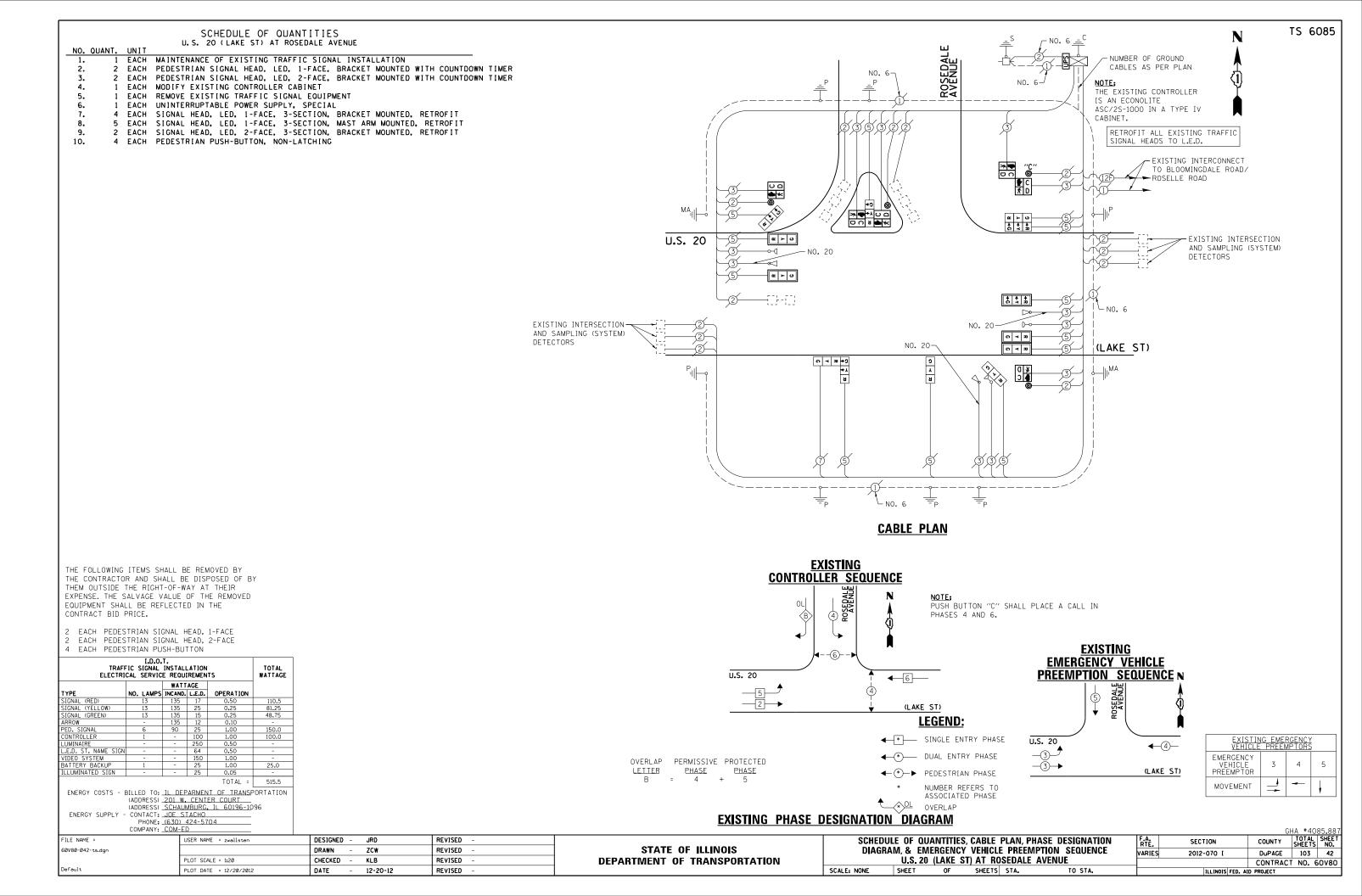


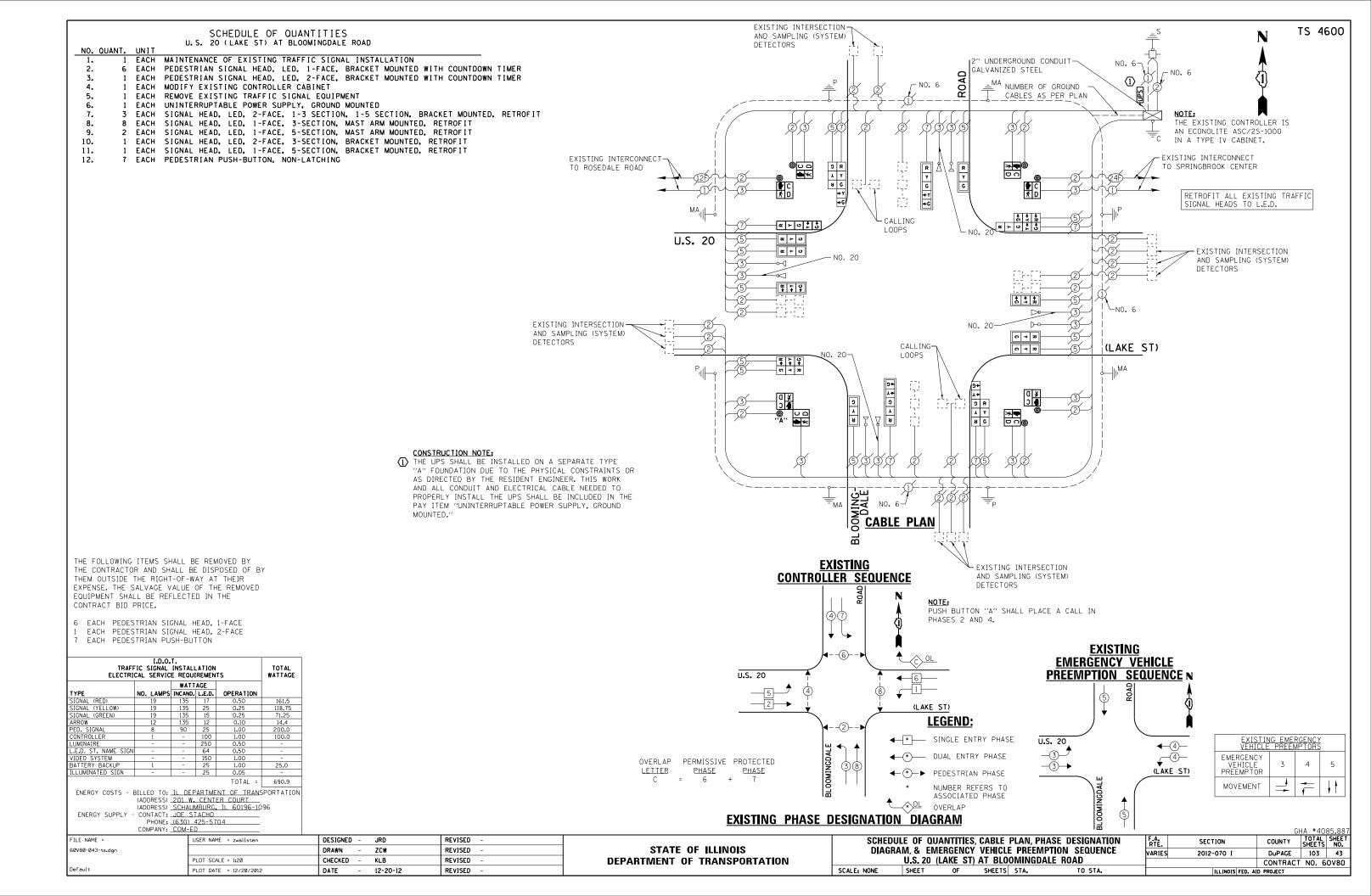
PHONE: (630) 424-5704
COMPANY: COM-ED

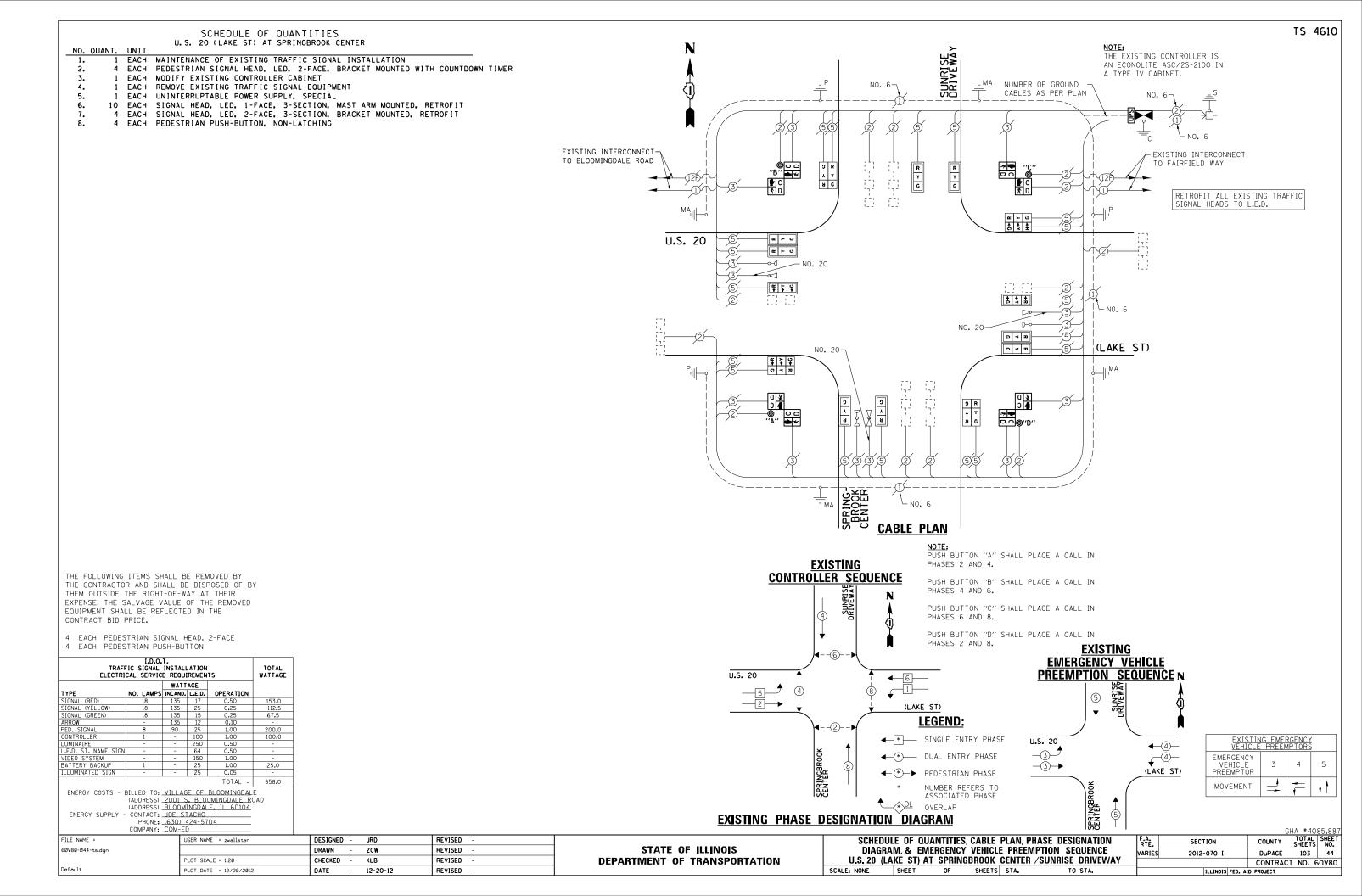
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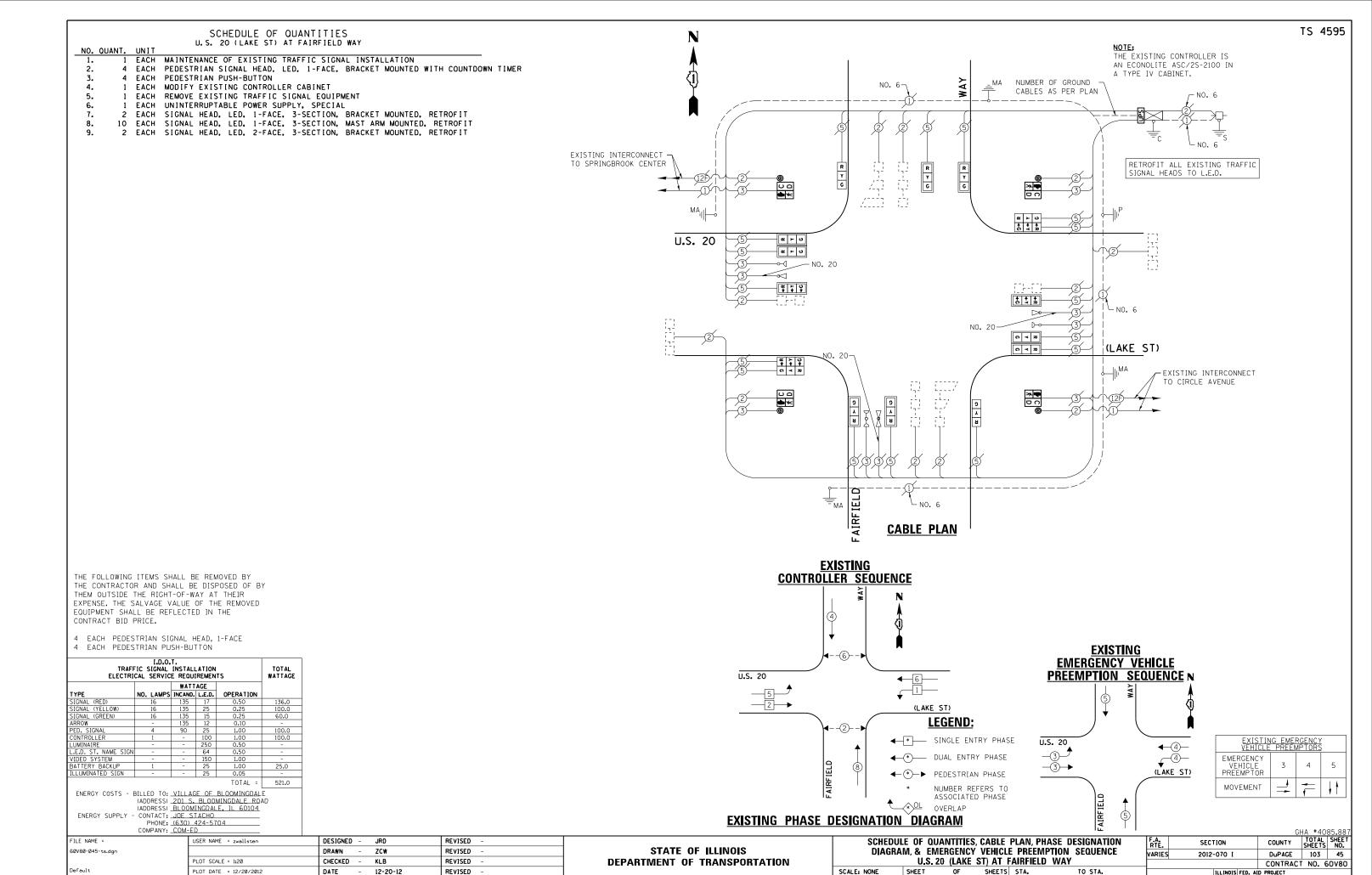
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

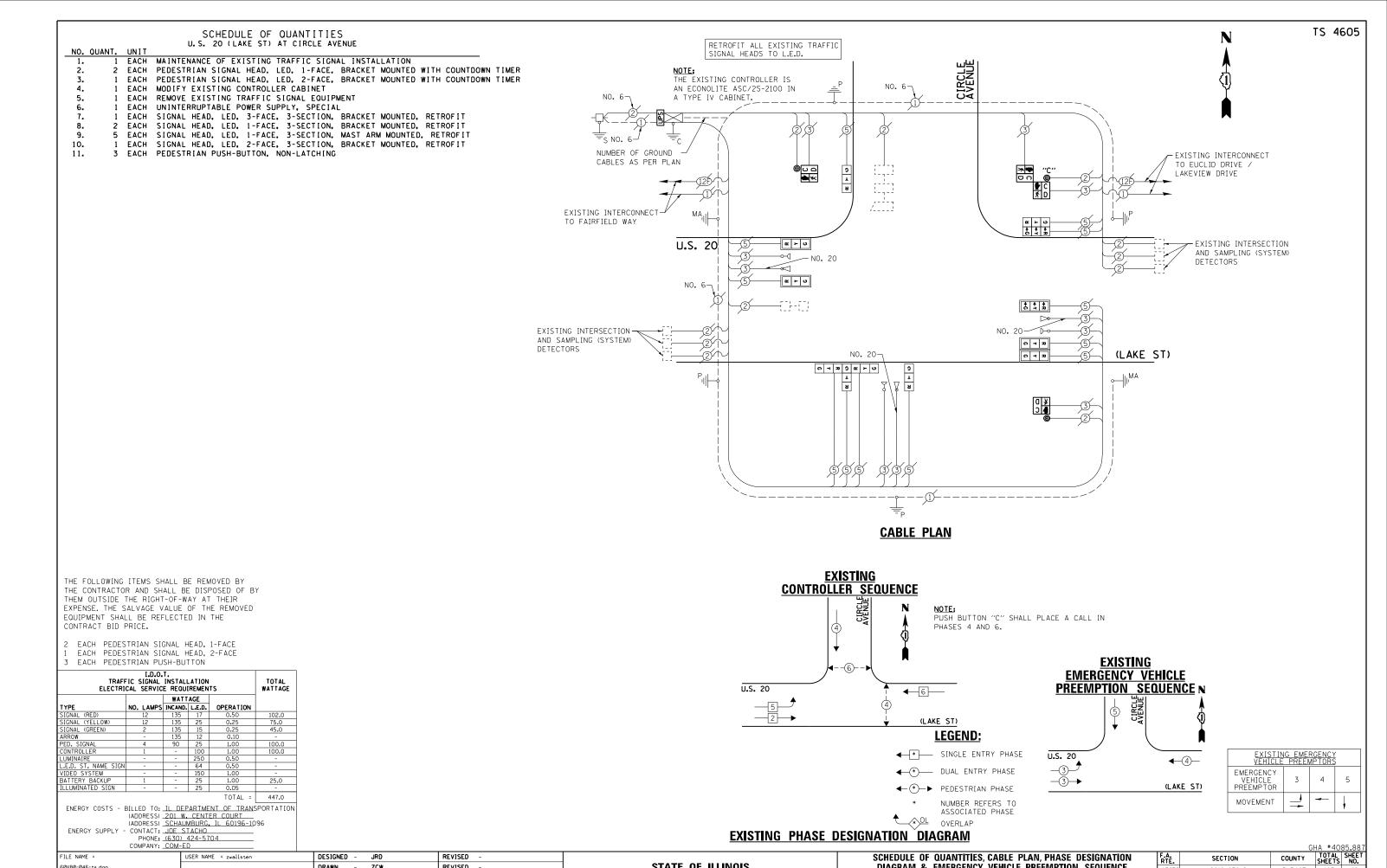
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 83 (BUSSE RD) AT THIRD AVENUE
ONE SHEET OF SHEETS STA. TO STA.











STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SECTION

2012-070 I

VARIES

DuPAGE 103 46

CONTRACT NO. 60V80

DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE

U.S. 20 (LAKE ST) AT CIRCLE AVENUE

OF SHEETS STA.

SHEET

USER NAME = zwallsten

PLOT DATE = 12/20/2012

DRAWN

DATE

CHECKED

ZCW

KLB

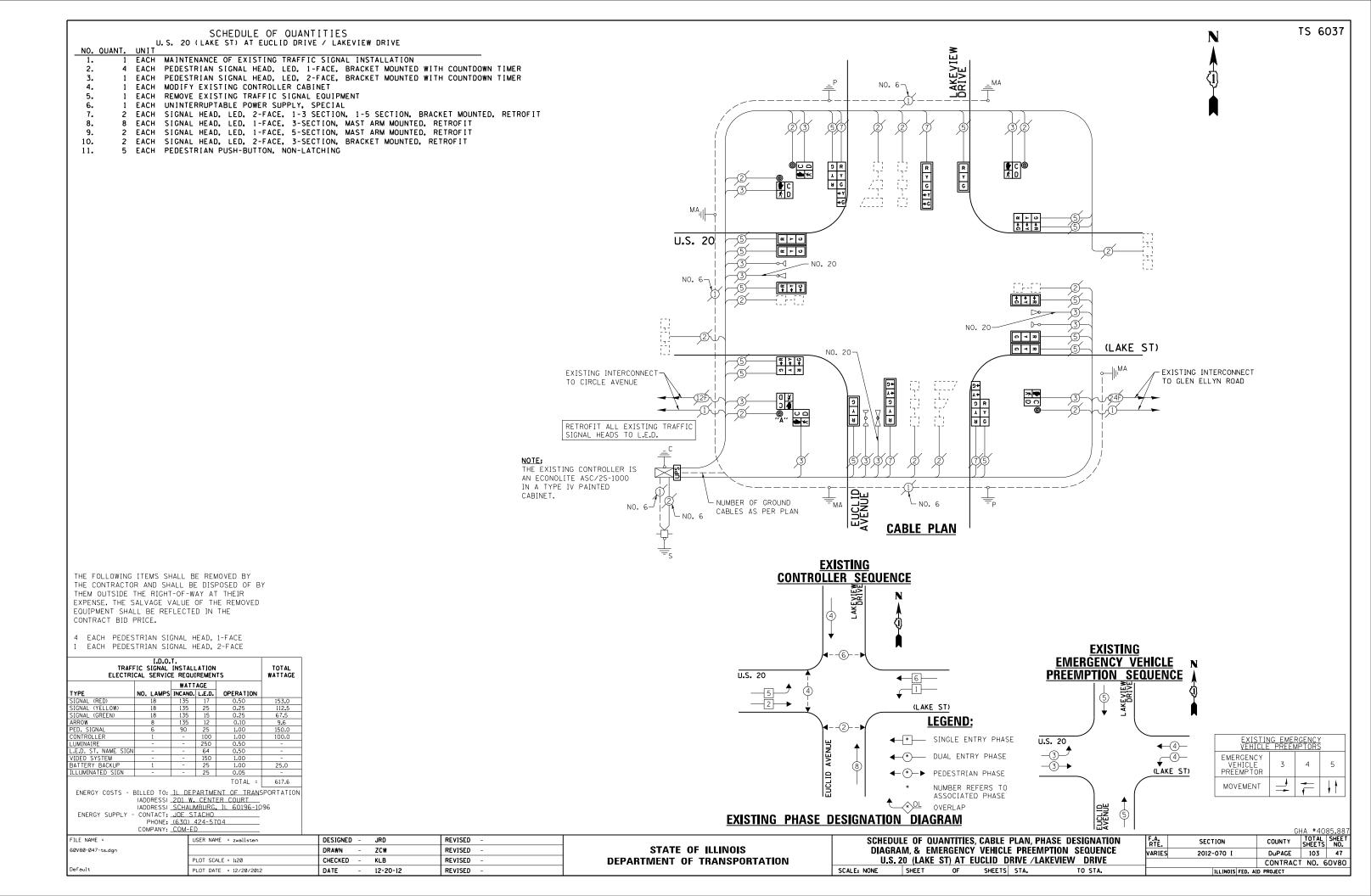
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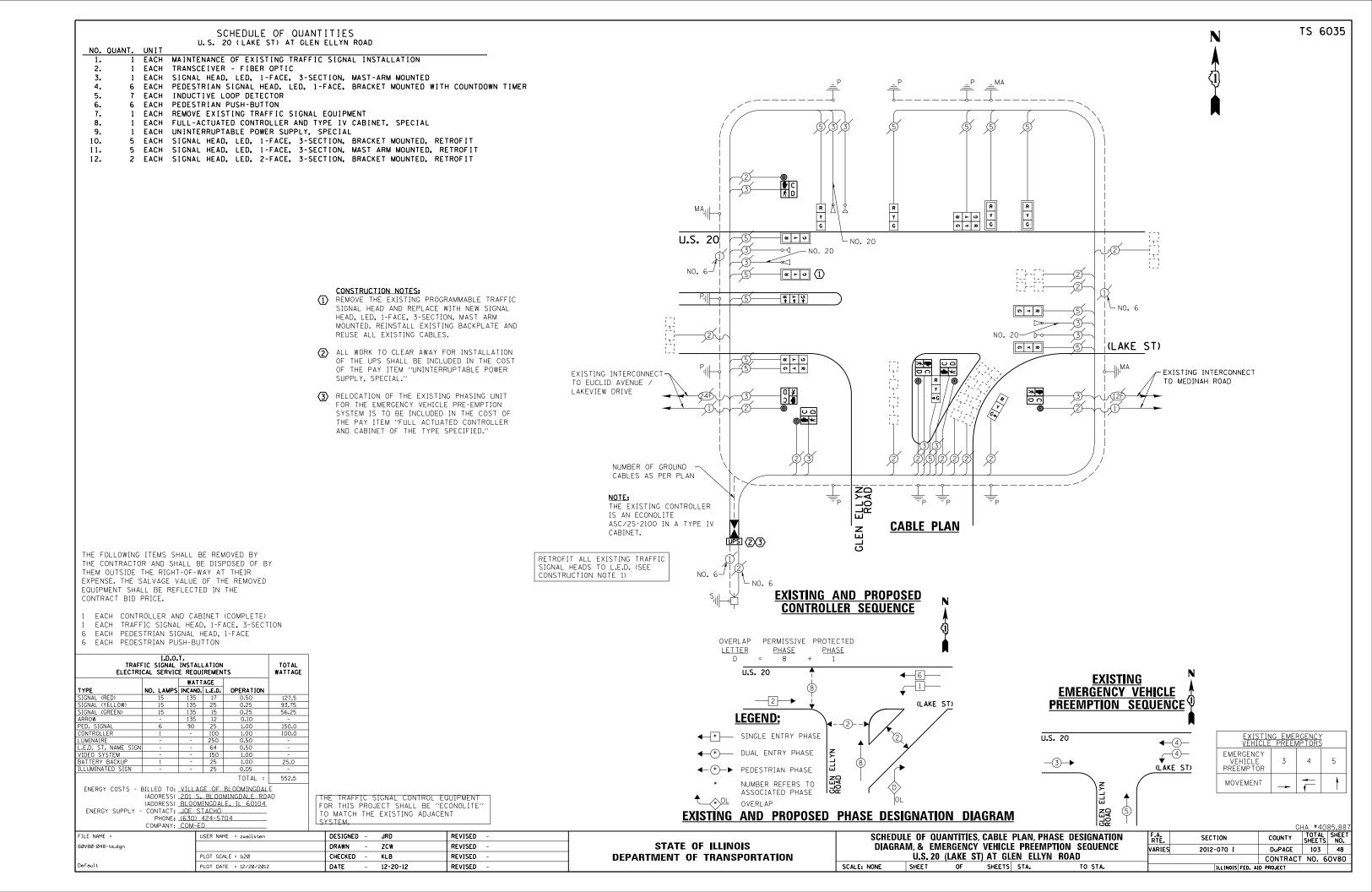
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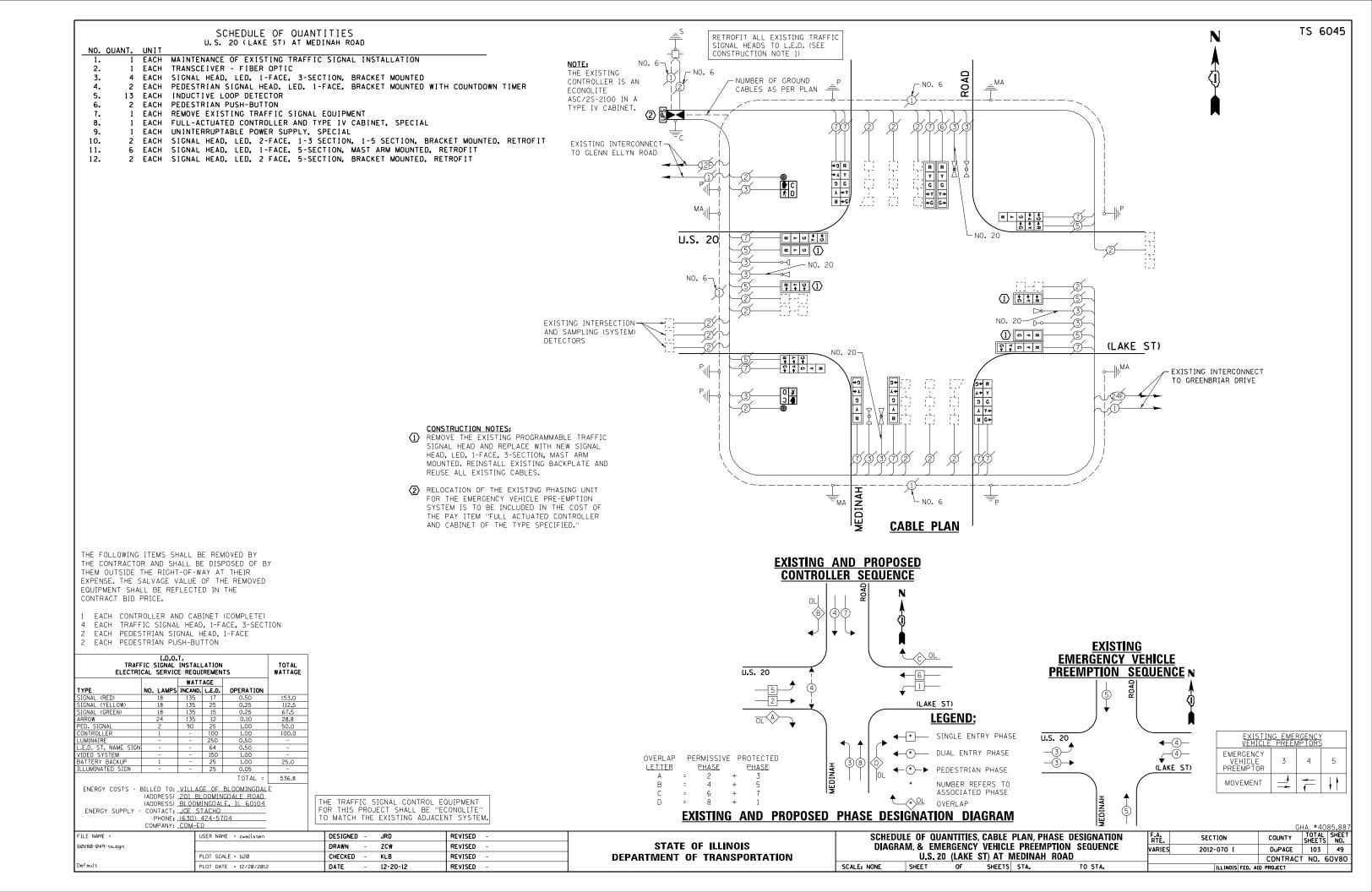
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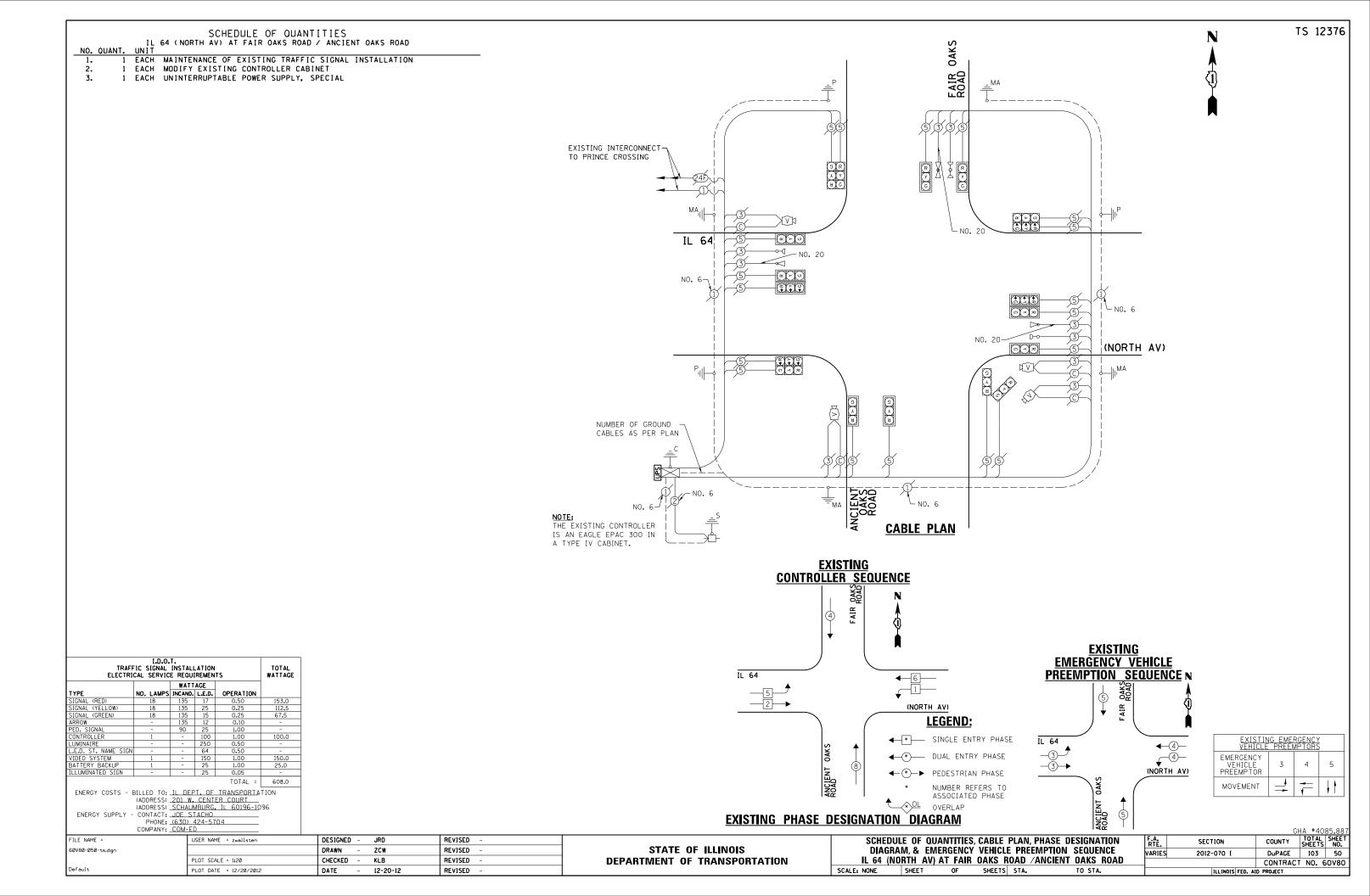
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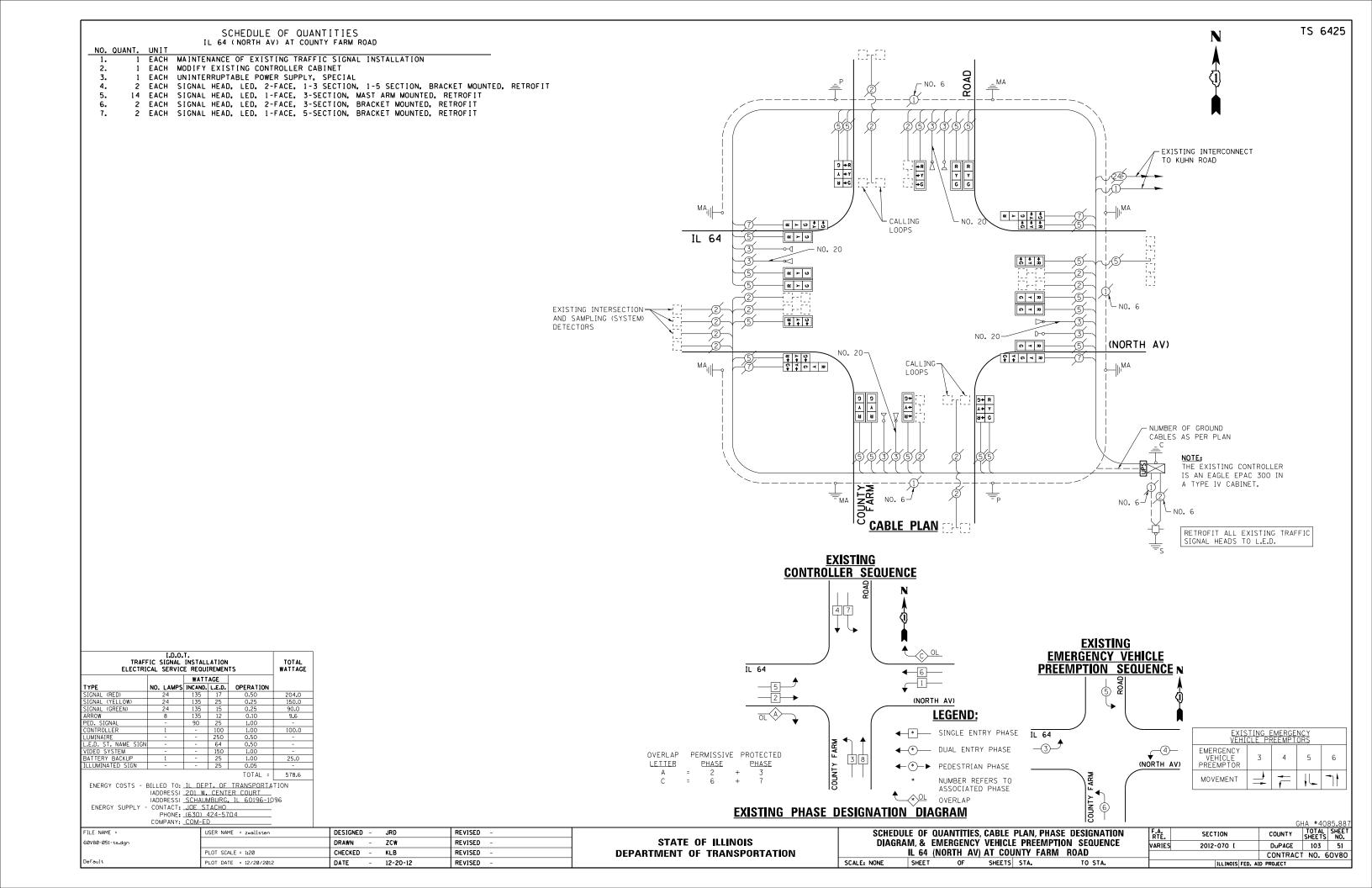
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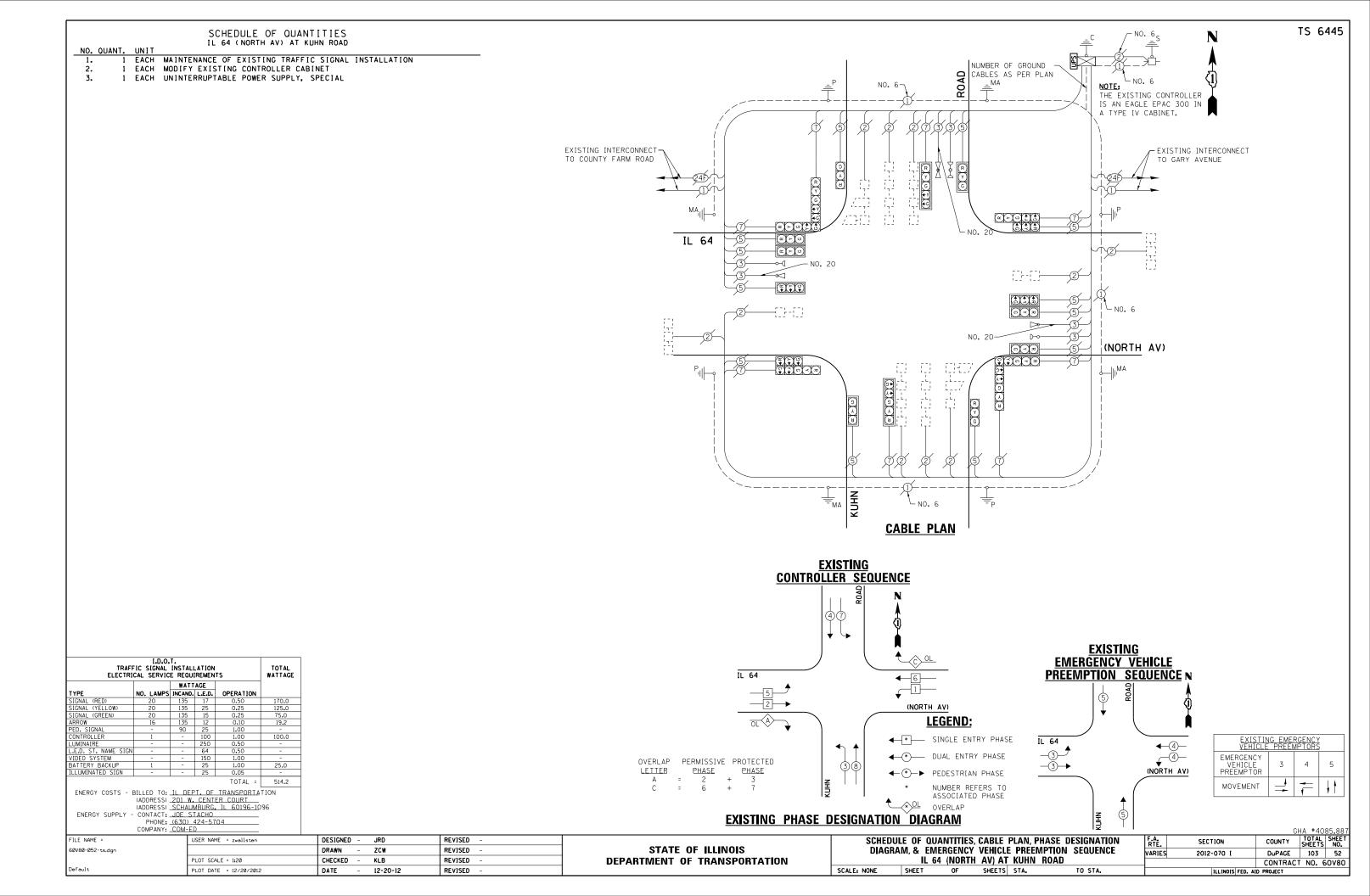


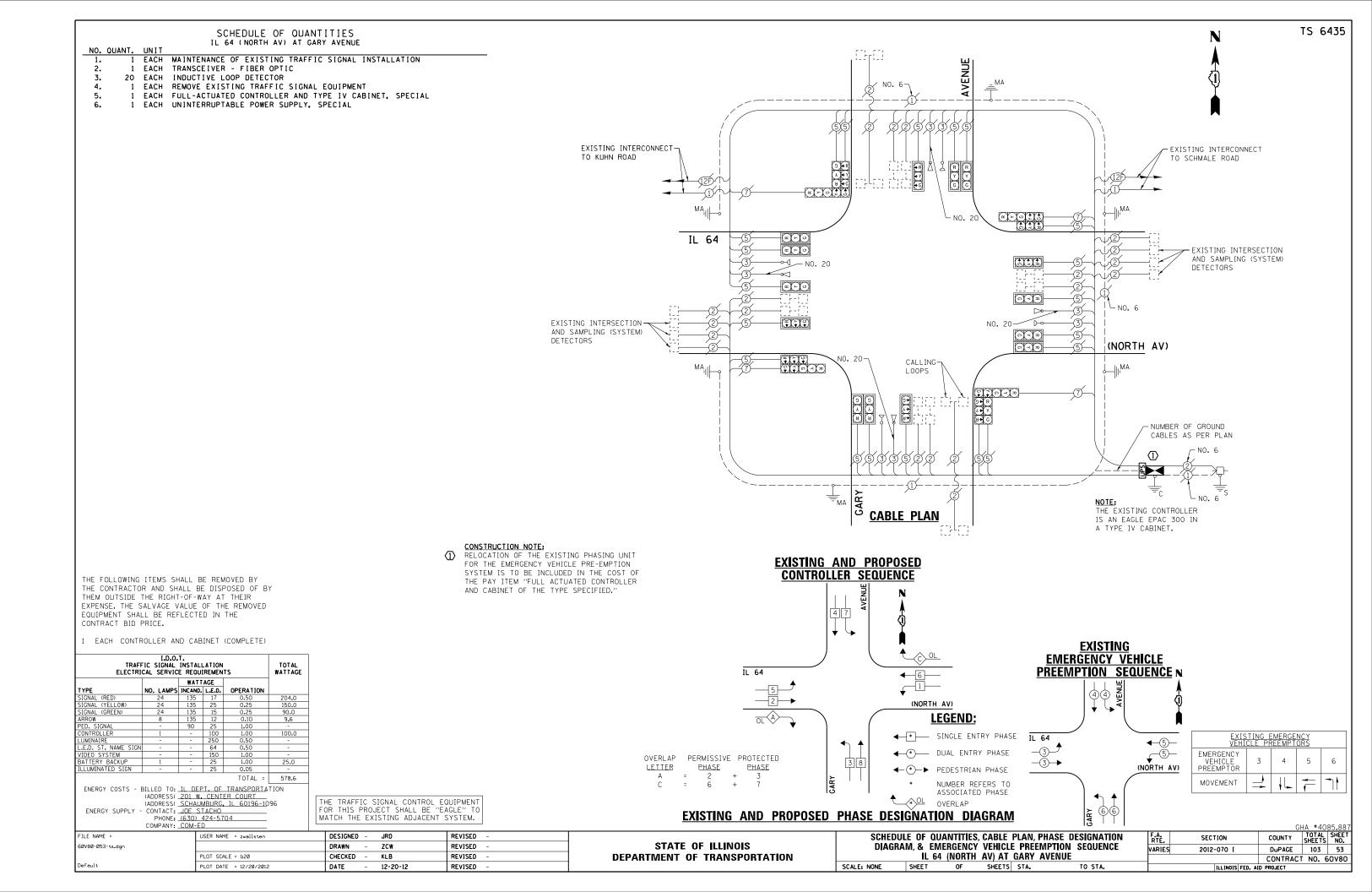


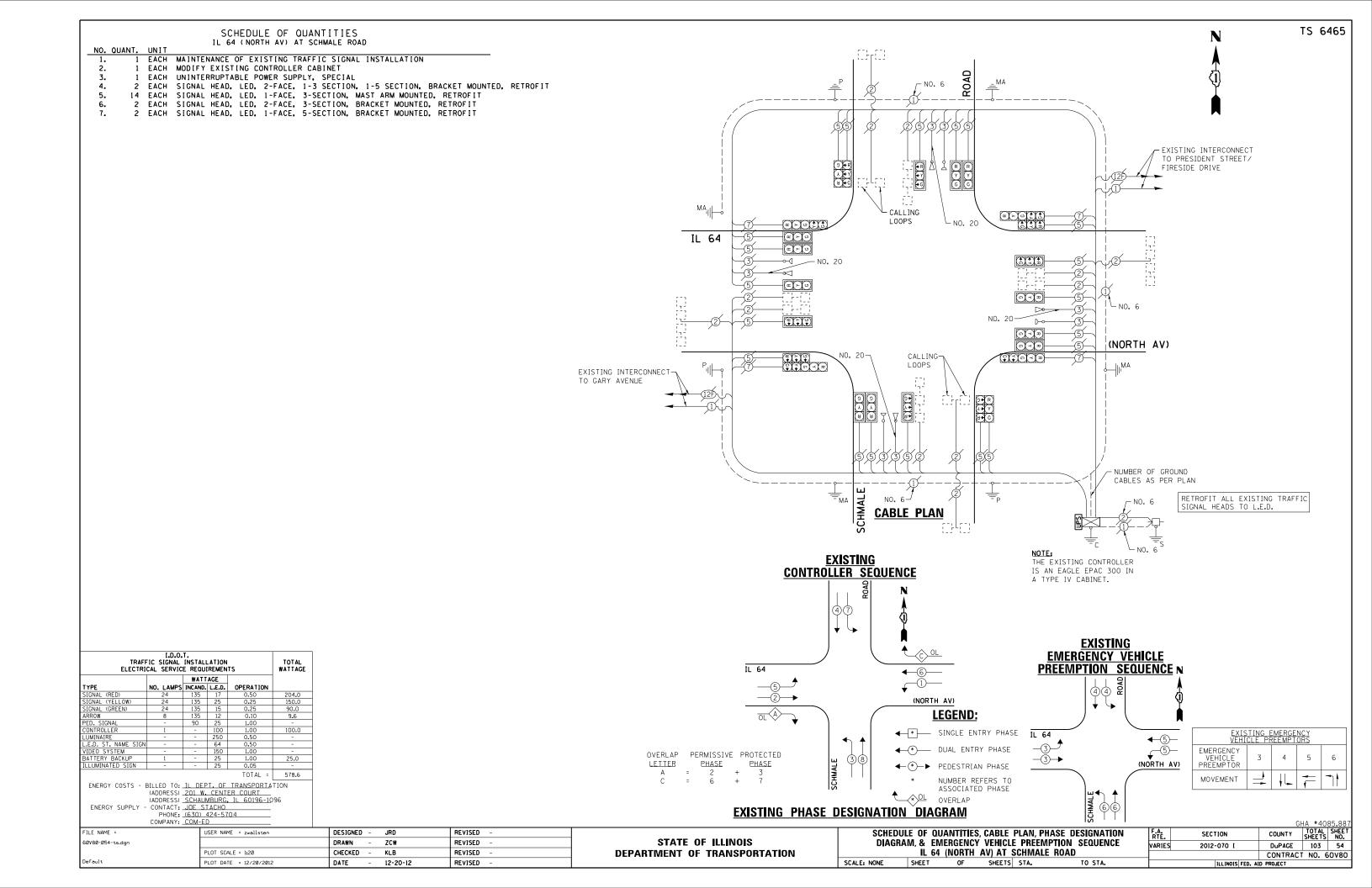


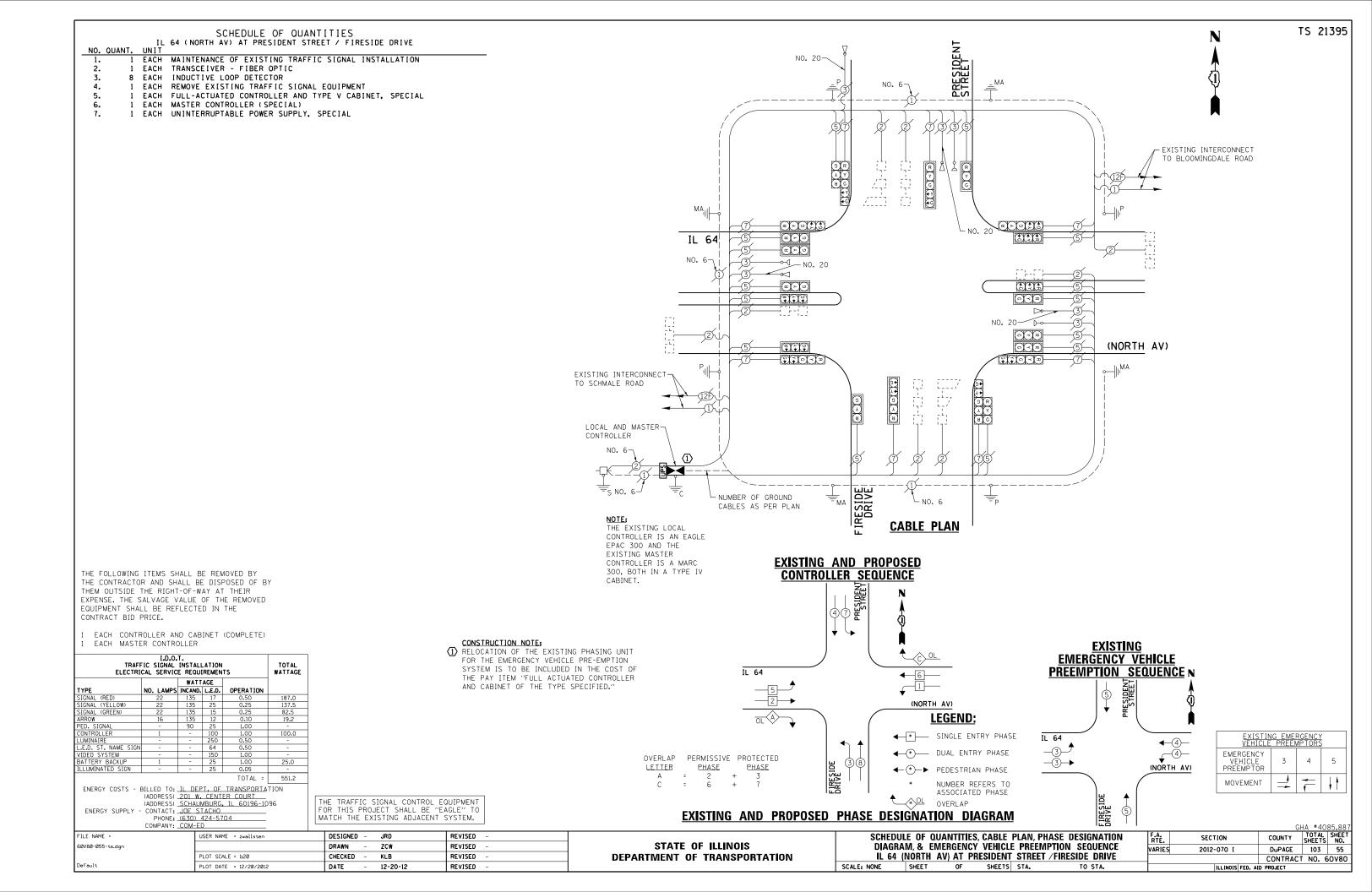


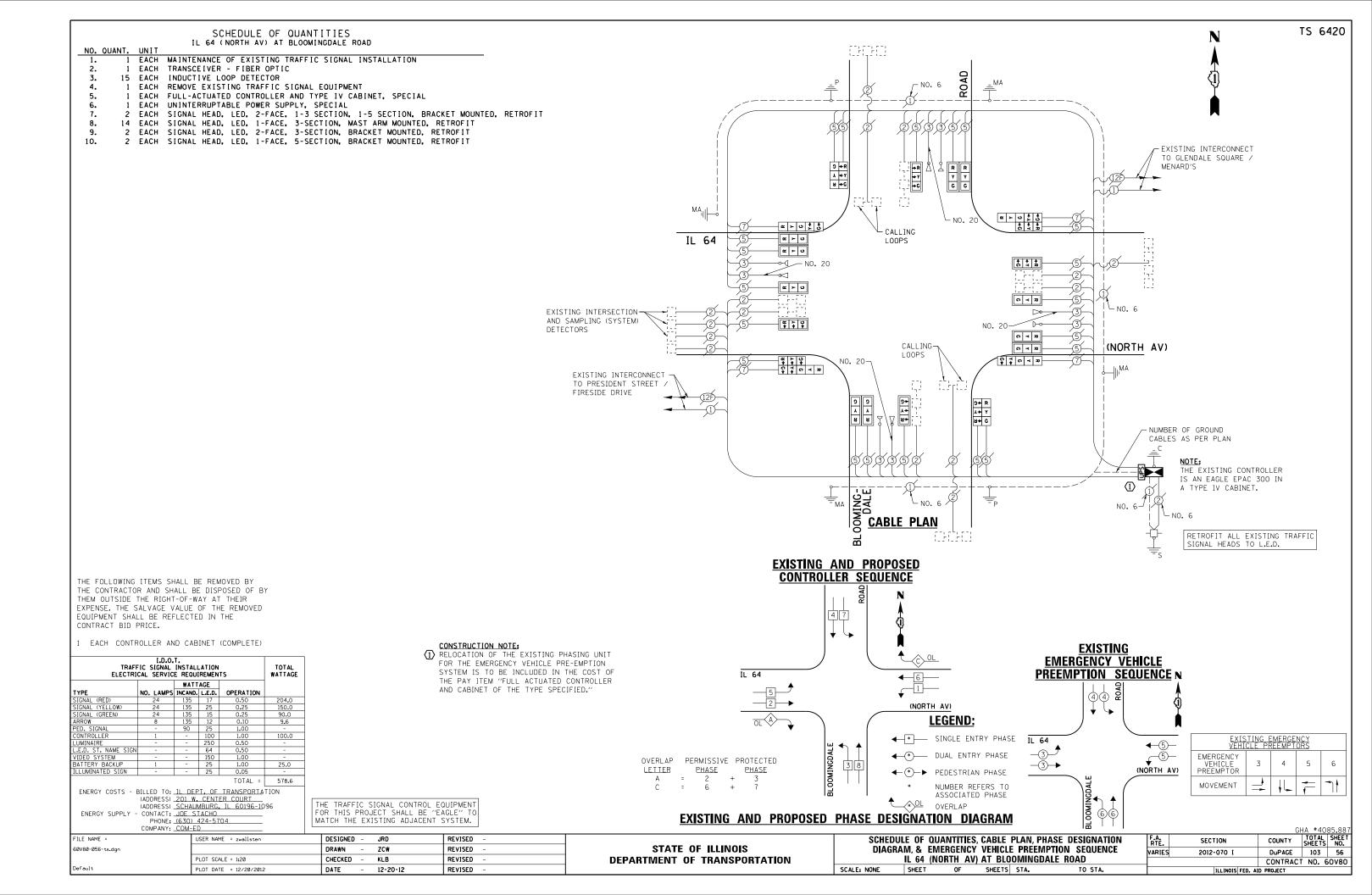


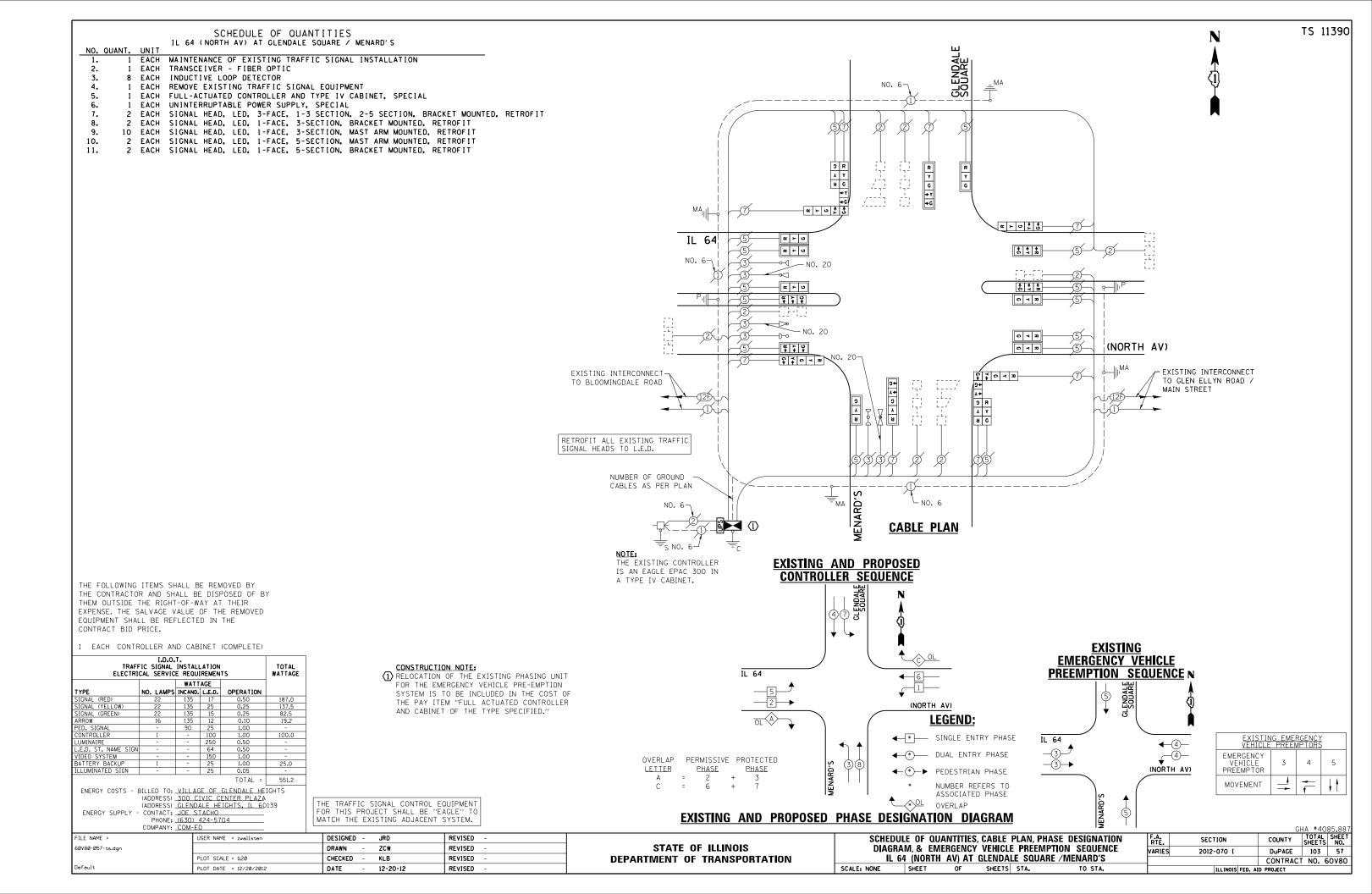


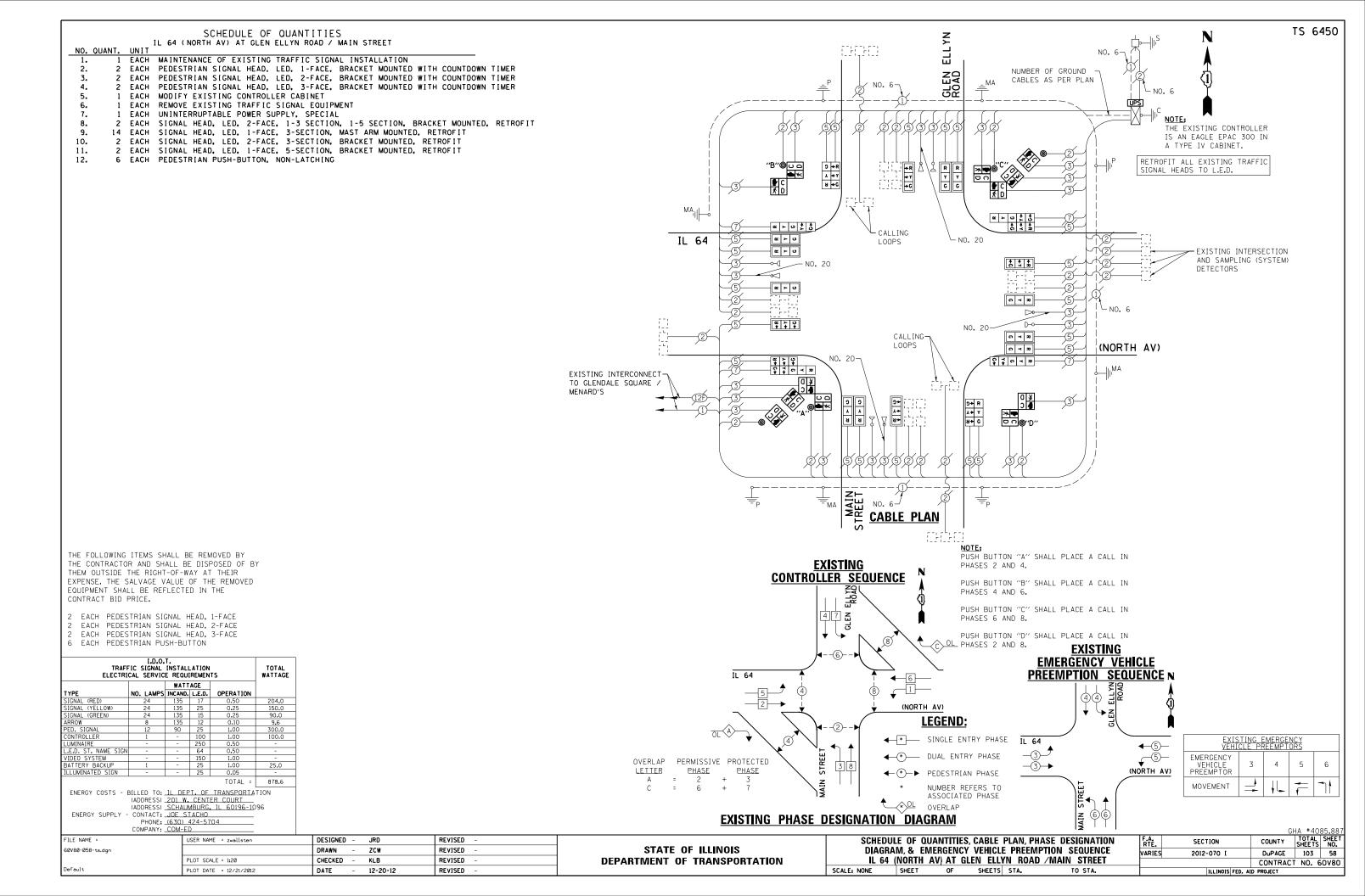


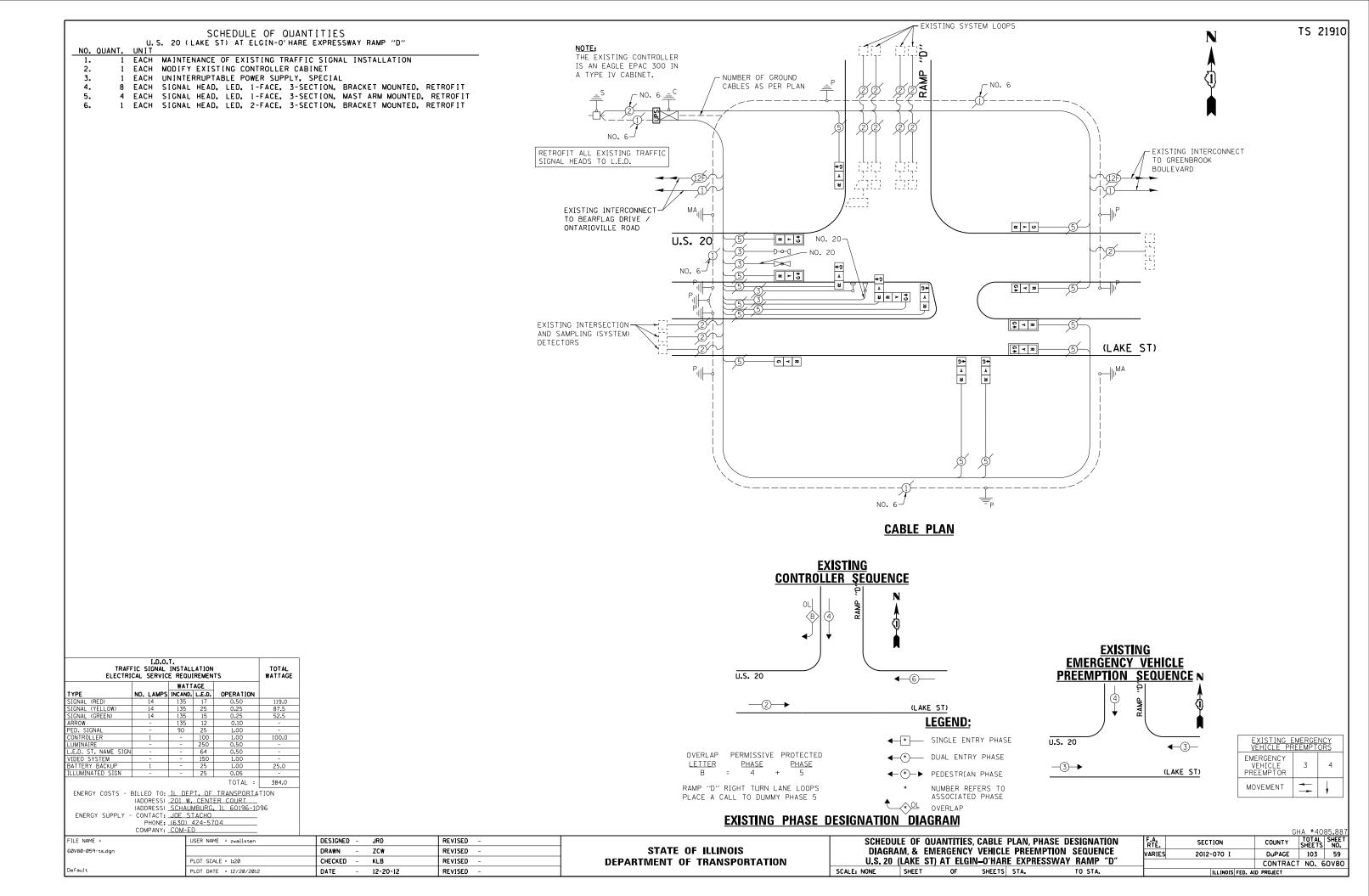


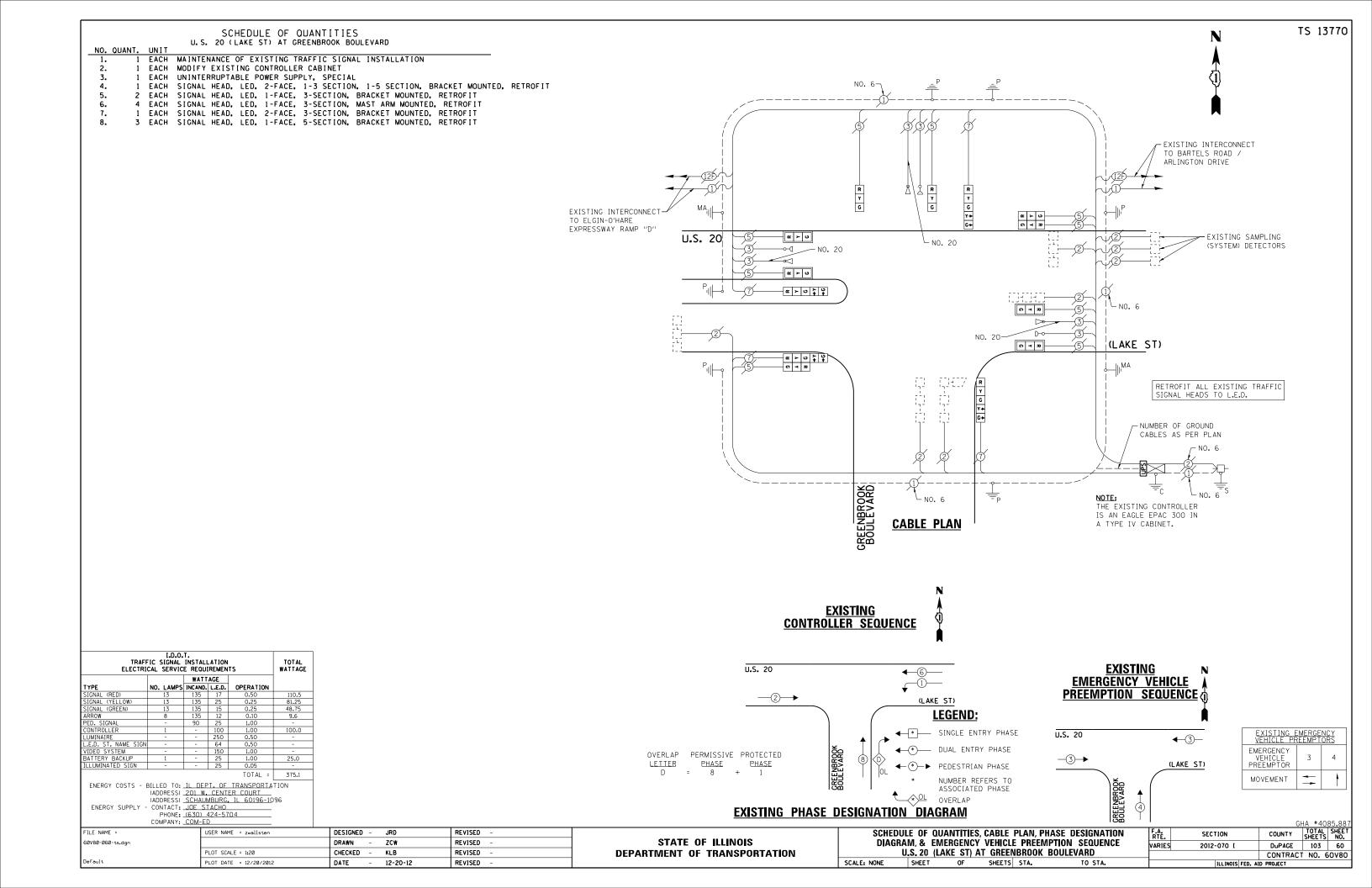


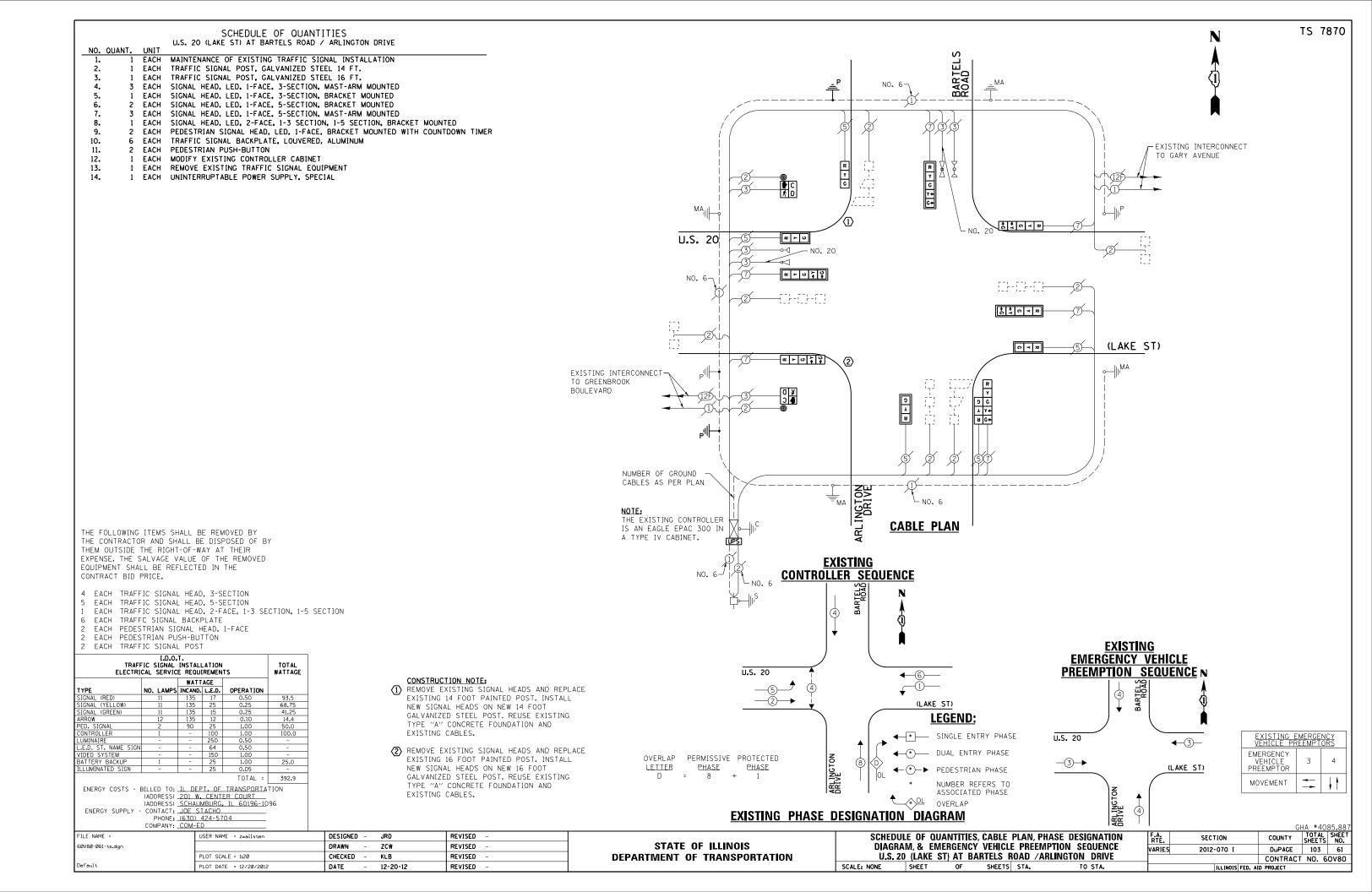


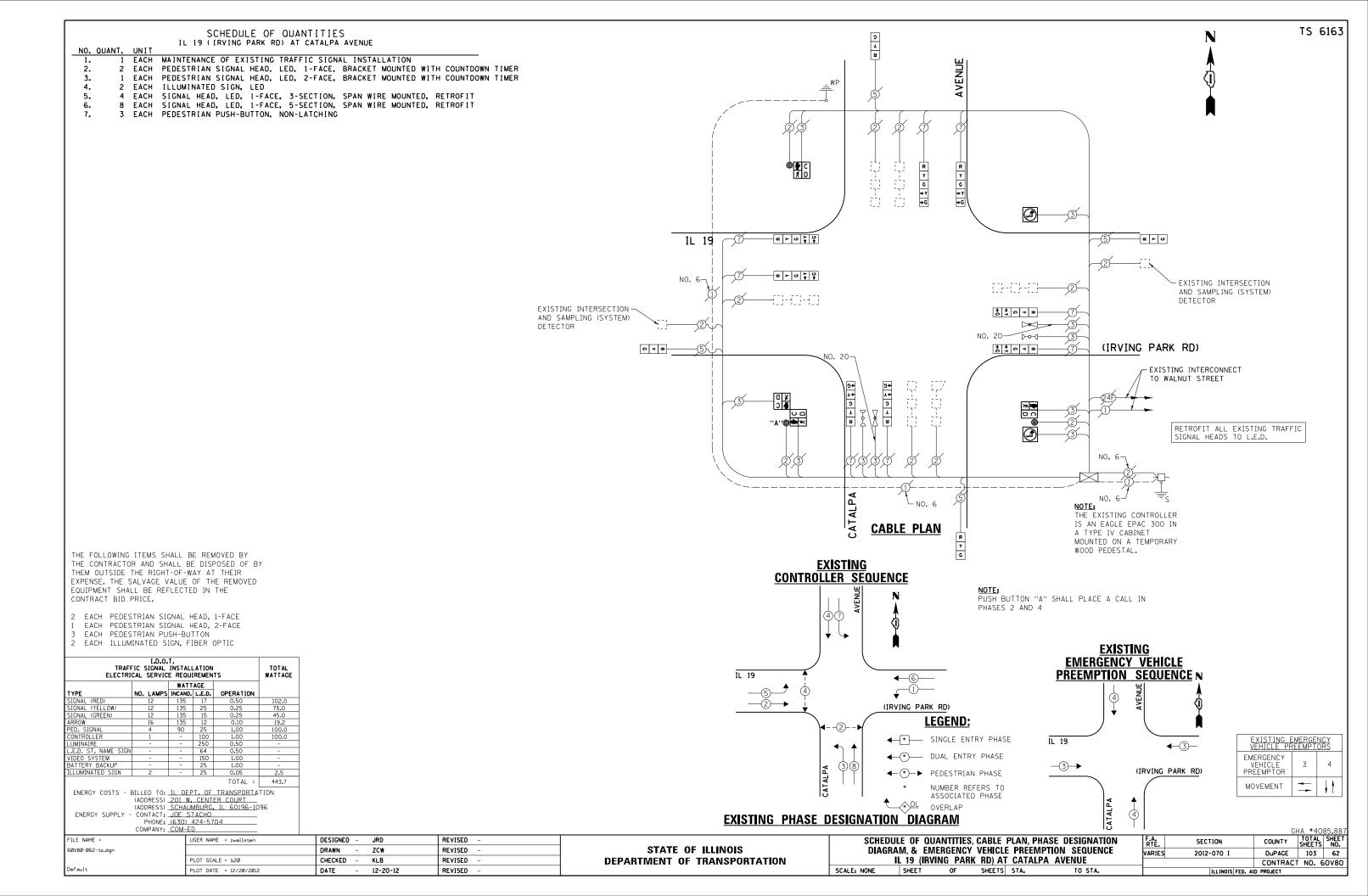


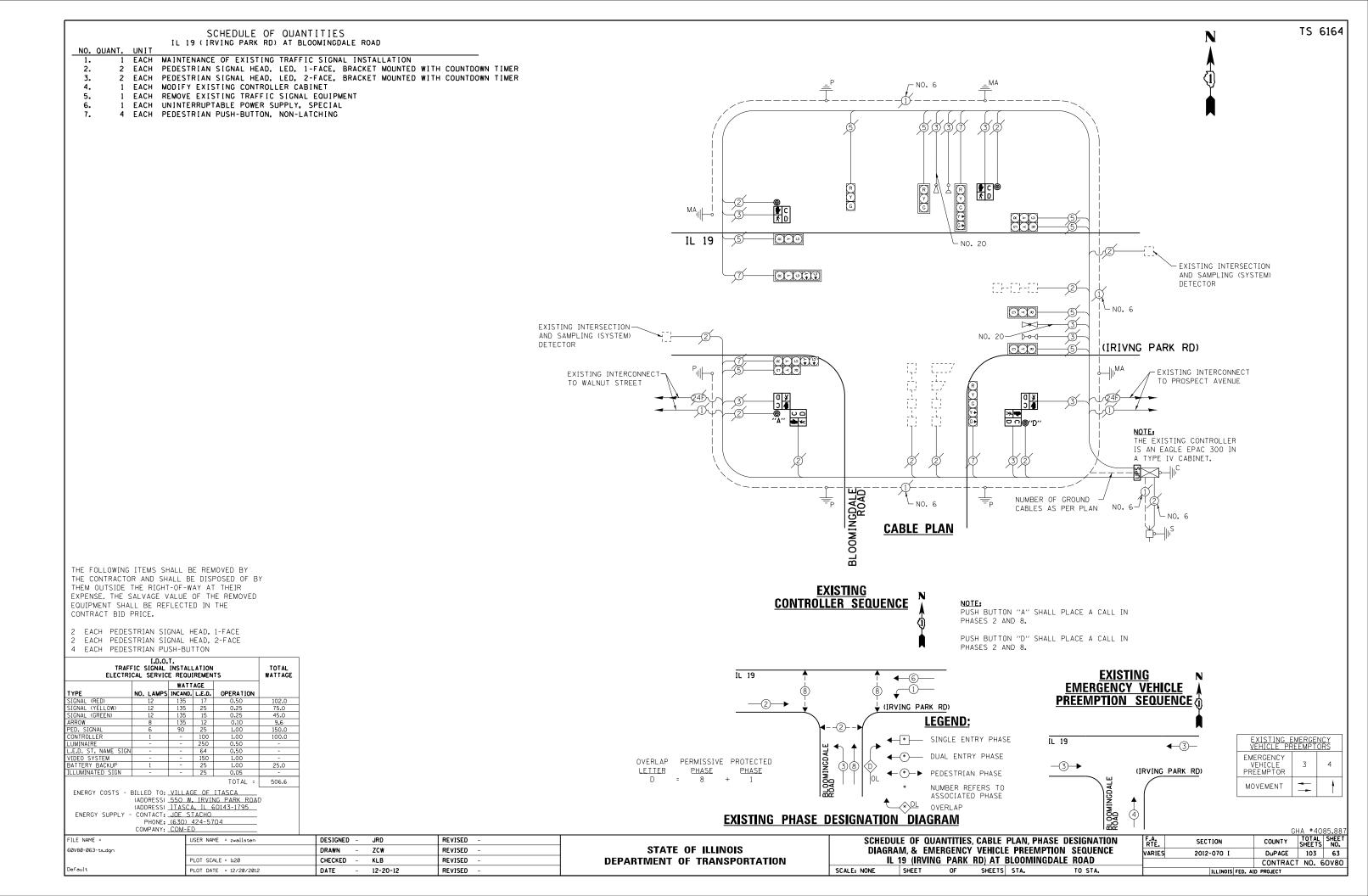


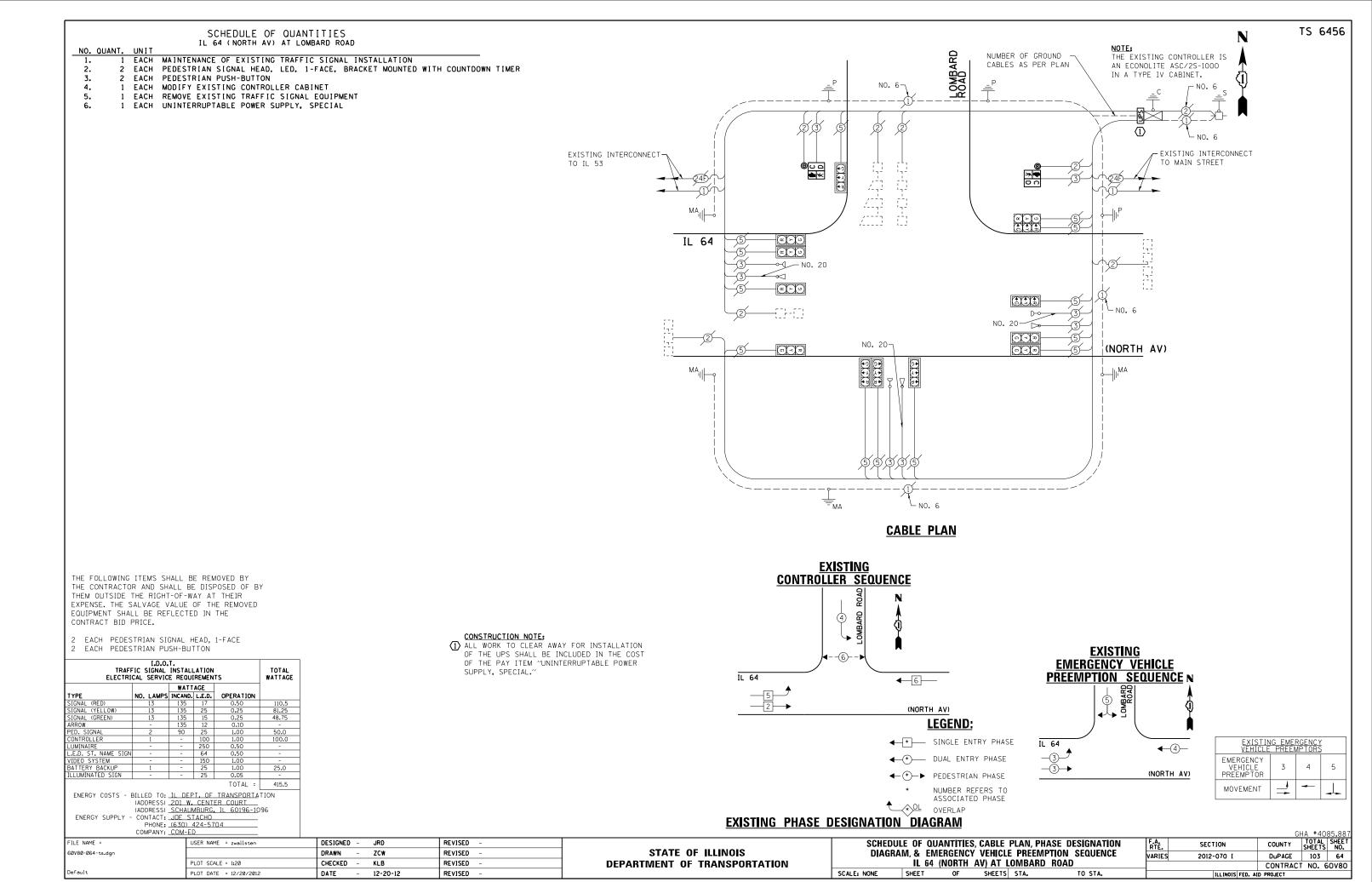


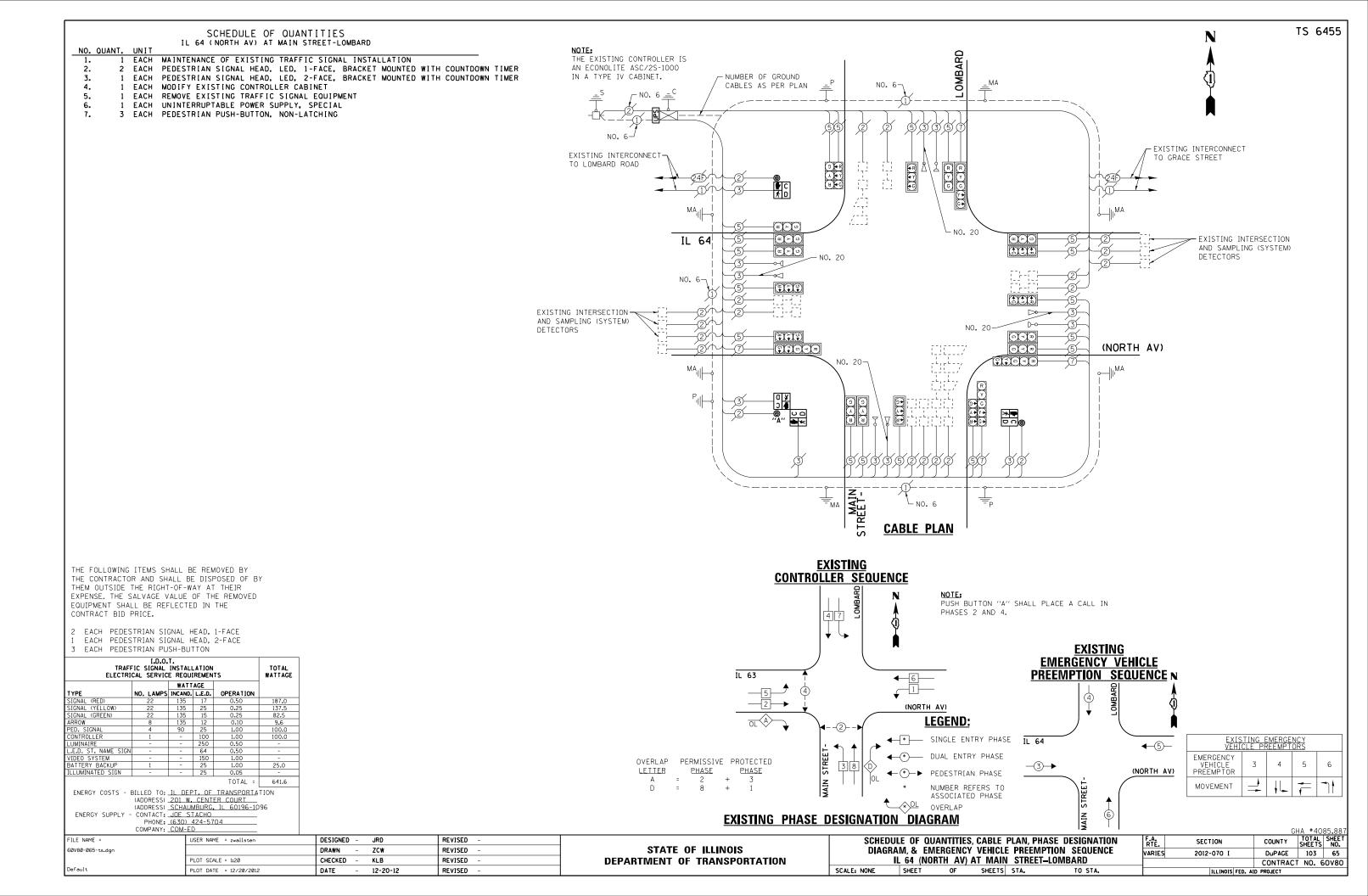


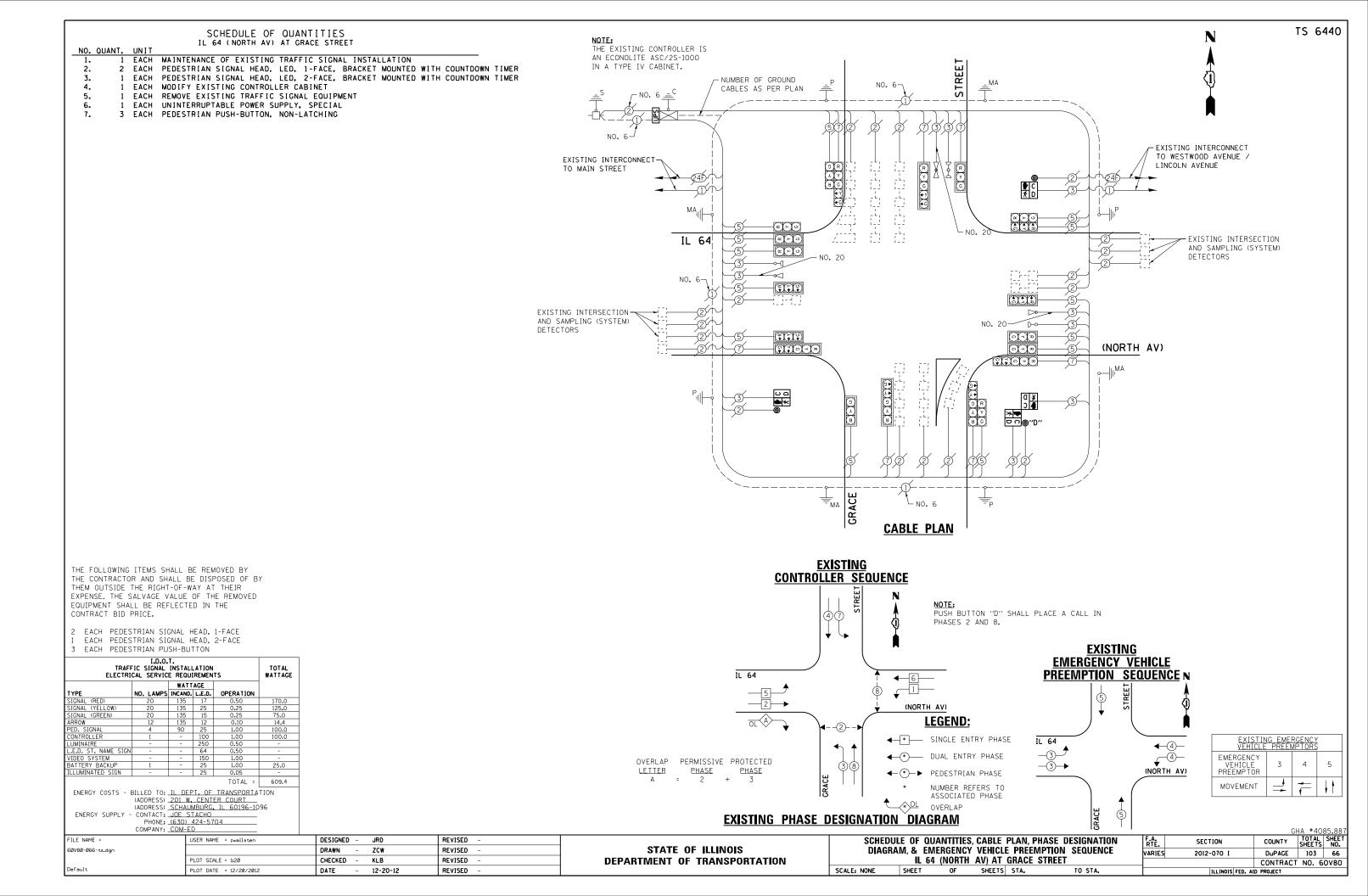












SCHEDULE OF QUANTITIES IL 38 (ROOSEVELT RD) AT FINLEY ROAD

1. 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2. 1 EACH MODIFY EXISTING CONTROLLER CABINET
3. 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4. 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
5. 4 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 PUSH-BUTTON

TRAFI ELECTRI	TOTAL WATTAGE					
		WATTAGE				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	20	135	17	0.50	170.0	
SIGNAL (YELLOW)	20	135	25	0.25	125.0	
SIGNAL (GREEN)	20	135	15	0.25	75.0	
ARROW	32	135	12	0.10	38.4	
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	-	-	25	0.05	-	
				TOTAL =	633.4	
ENERGY COSTS - BILLED TO: <u>VILLAGE OF LOMBARD</u>						
(ADDRESS) <u>255 E. WILSON AVENUE</u>						
(ADDRESS) <u>LOMBARD, IL 60148-3969</u>						
ENERGY SUPPLY - CONTACT: <u>JOE STACHO</u>						
PHONE: (630) 424-5704						

COMPANY: COM-ED

USER NAME = zwallsten

PLOT DATE = 12/20/2012

PLOT SCALE = 1:20

DESIGNED - JRD

ZCW

KLB

12-20-12

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DATE

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REVISED

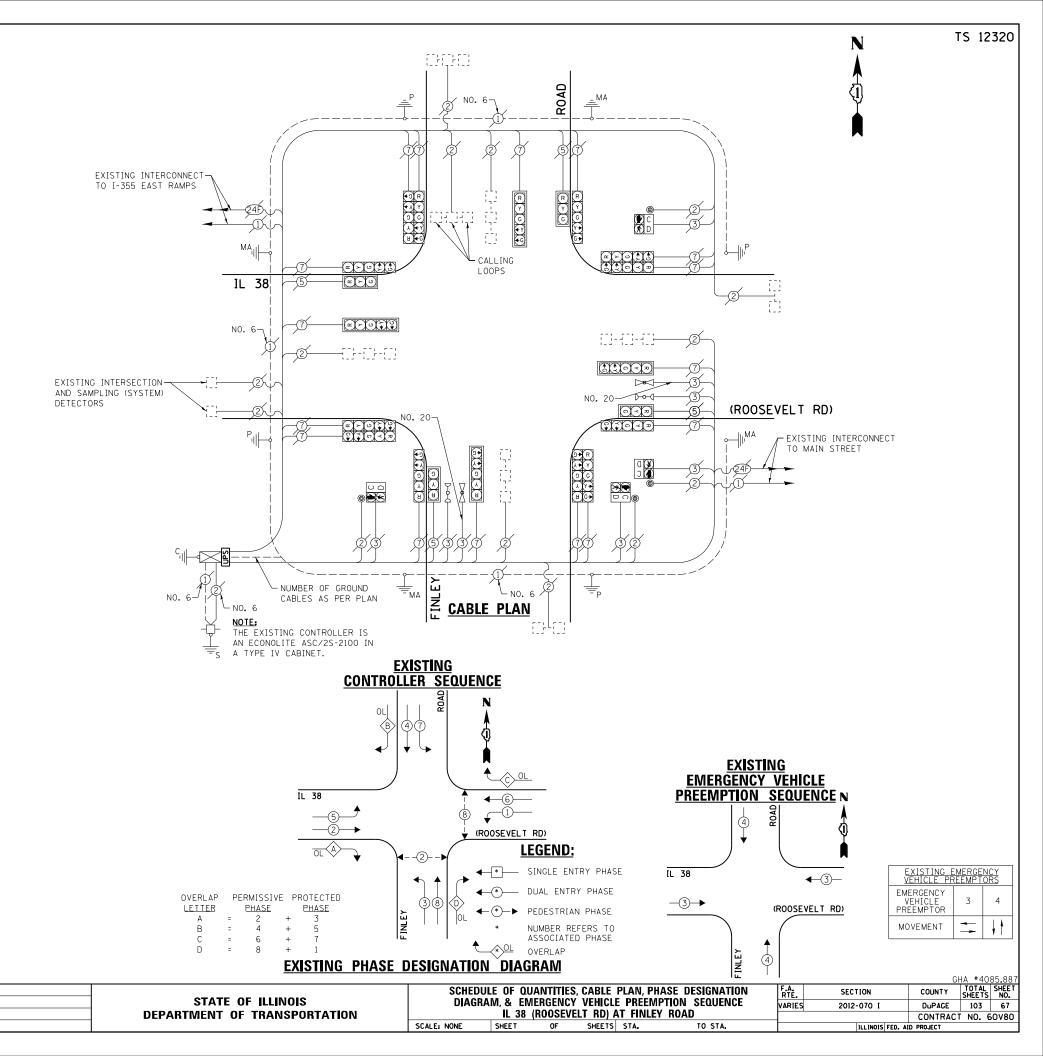
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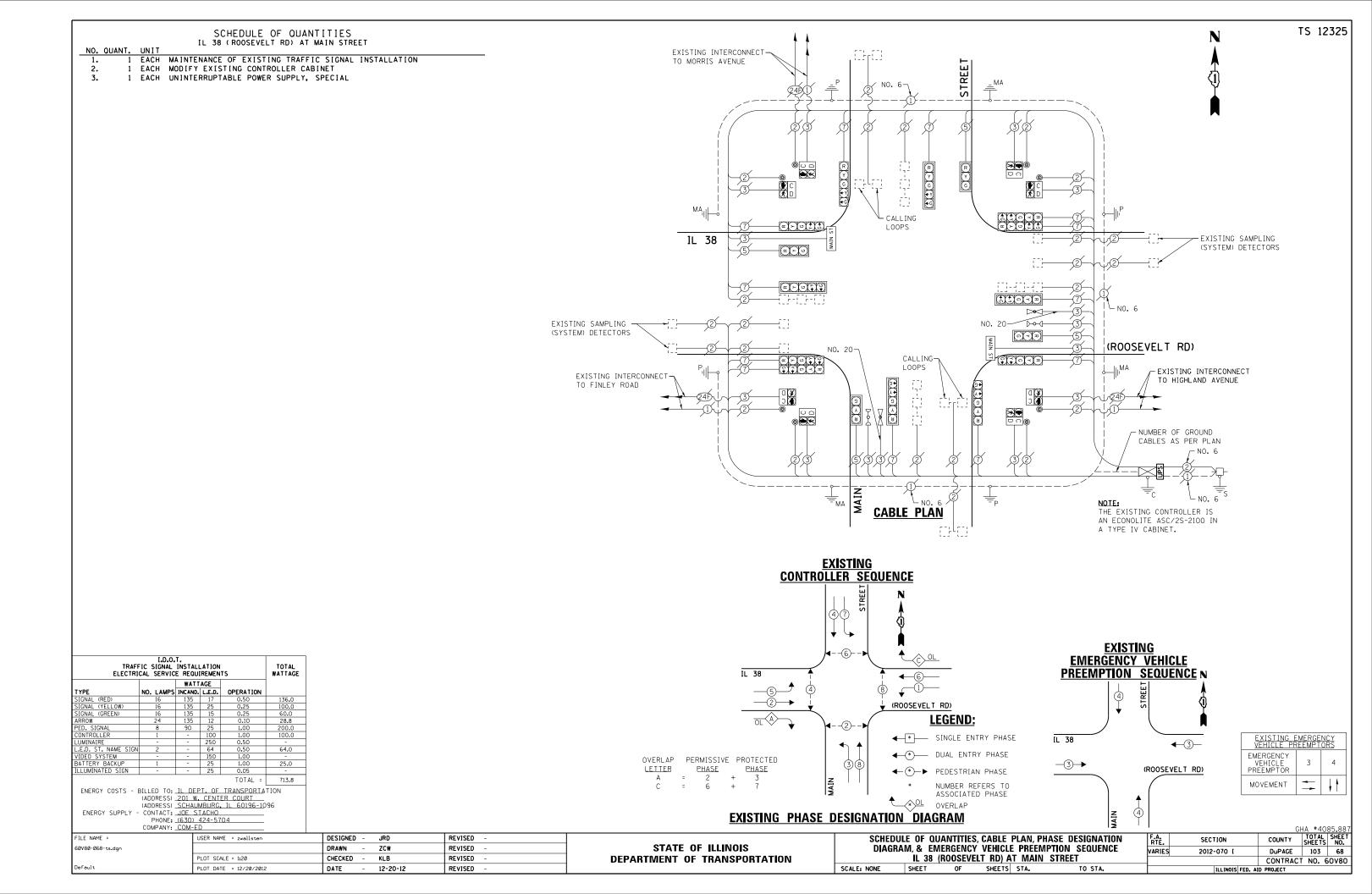
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FILE NAME =

60V80-067-ts.dgr





SCHEDULE OF QUANTITIES
IL 38 (ROOSEVELT RD) AT HIGHLAND AVENUE

1. 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2. 1 EACH MODIFY EXISTING CONTROLLER CABINET
3. 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4. 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
5. 7 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.

7 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	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	ı		64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL = 649.8					
ENERGY COSTS - BILLED TO: <u>IL DEPT. OF TRANSPORTA</u> TION					
(ADDRESS) <u>201 W. CENTER COURT</u>					
(ADDRESS) <u>SCHAUMBURG, IL 60196-1</u> 096					
ENERGY SUPPLY - CONTACT: <u>JOE STACHO</u>					
PHONE: <u>(630) 424-5704</u>					

COMPANY: _COM-ED

USER NAME = zwallsten

PLOT DATE = 12/20/2012

DESIGNED - JRD

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12-20-12

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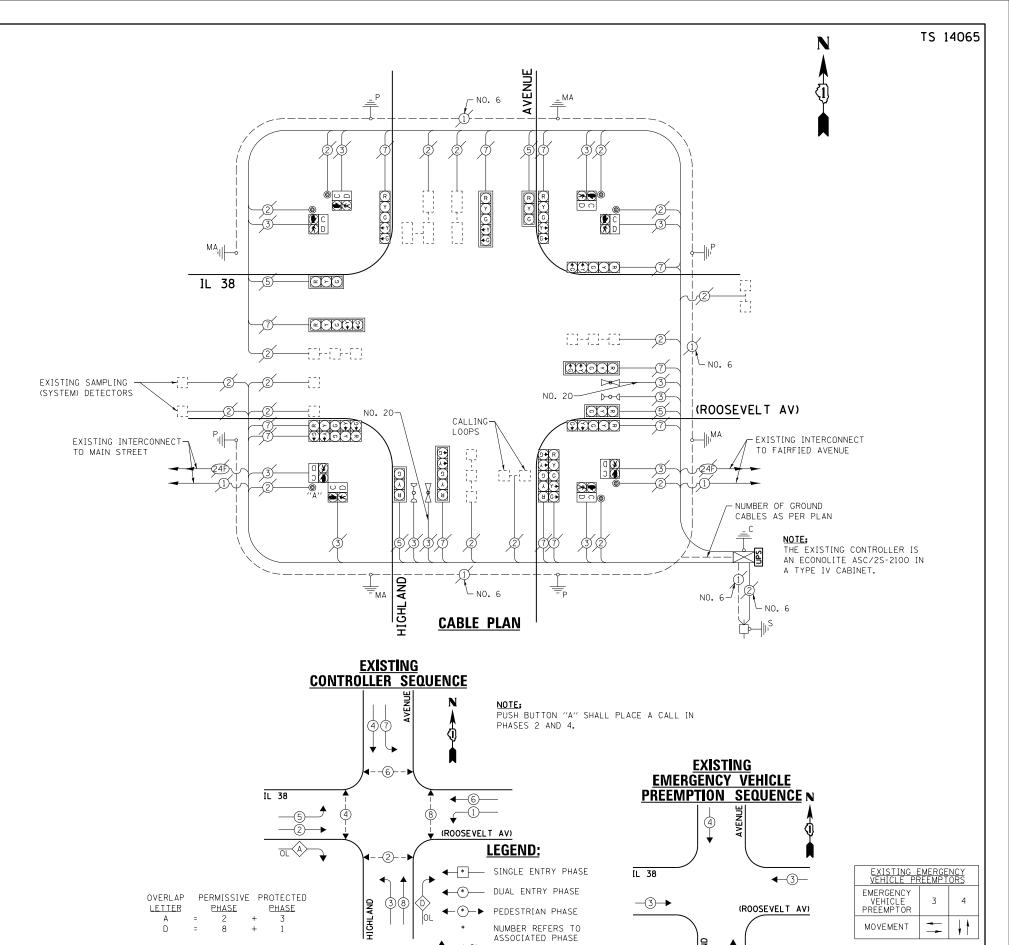
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FILE NAME =

60V80-069-ts.dgr



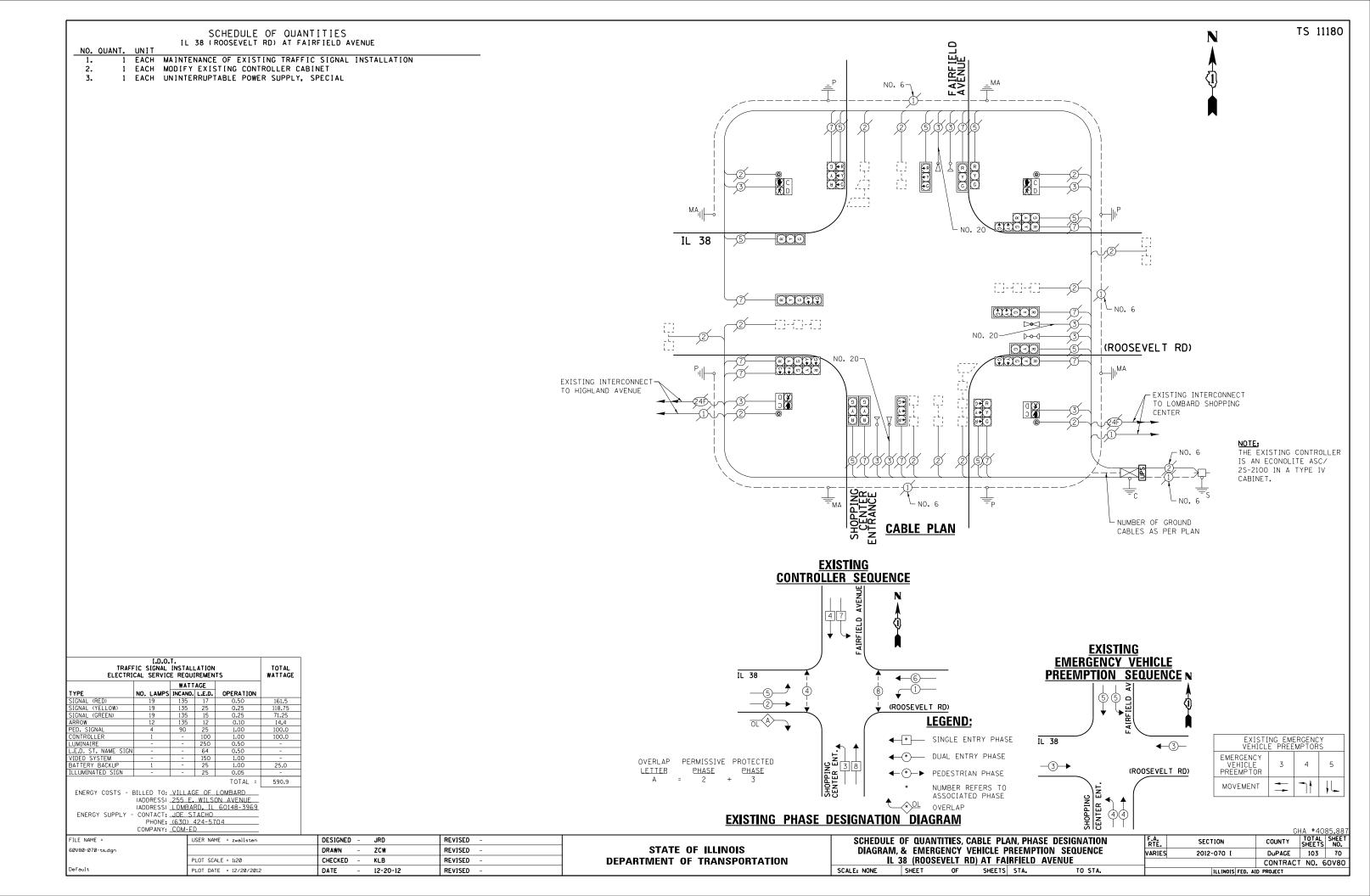
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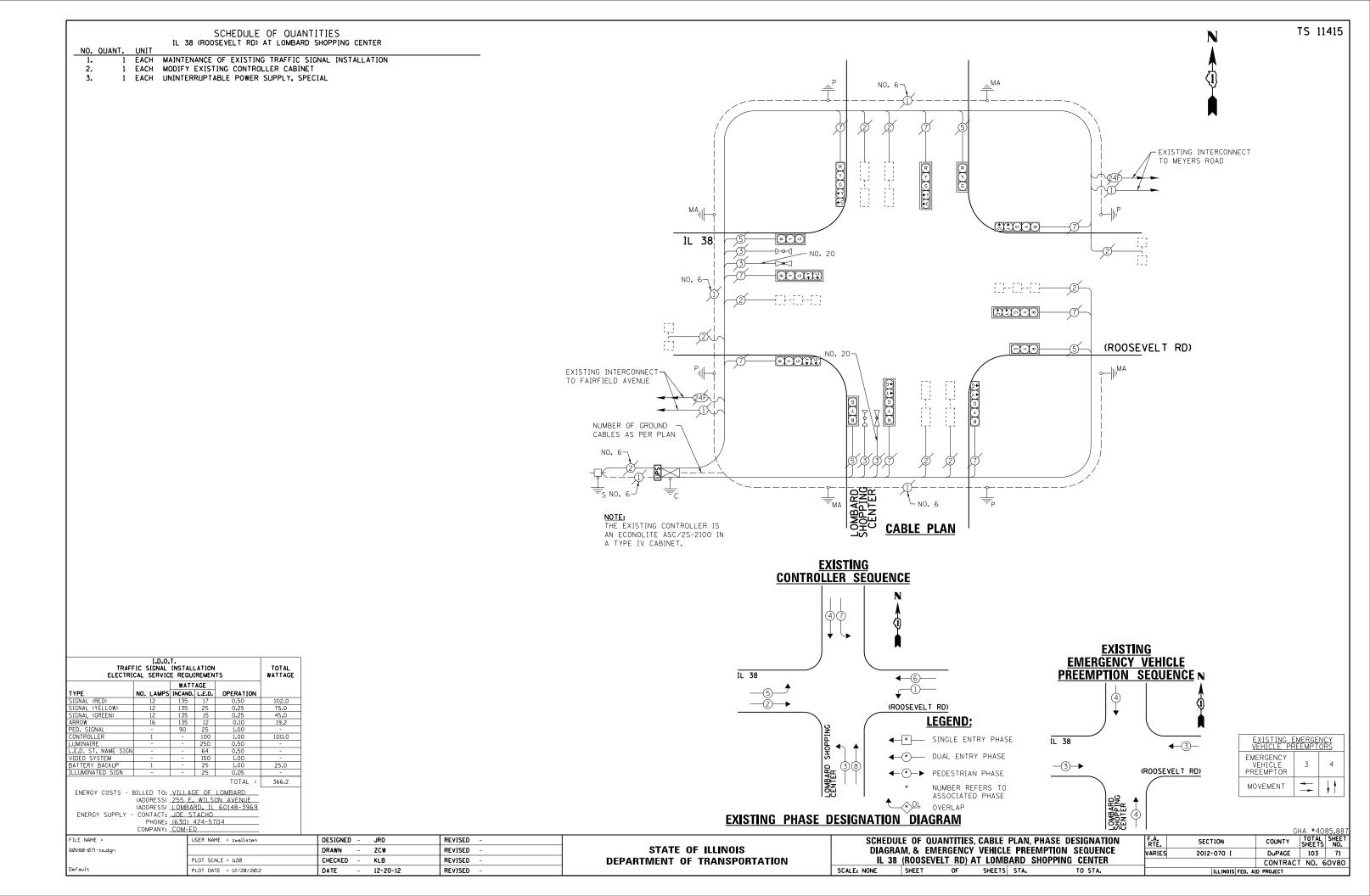
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

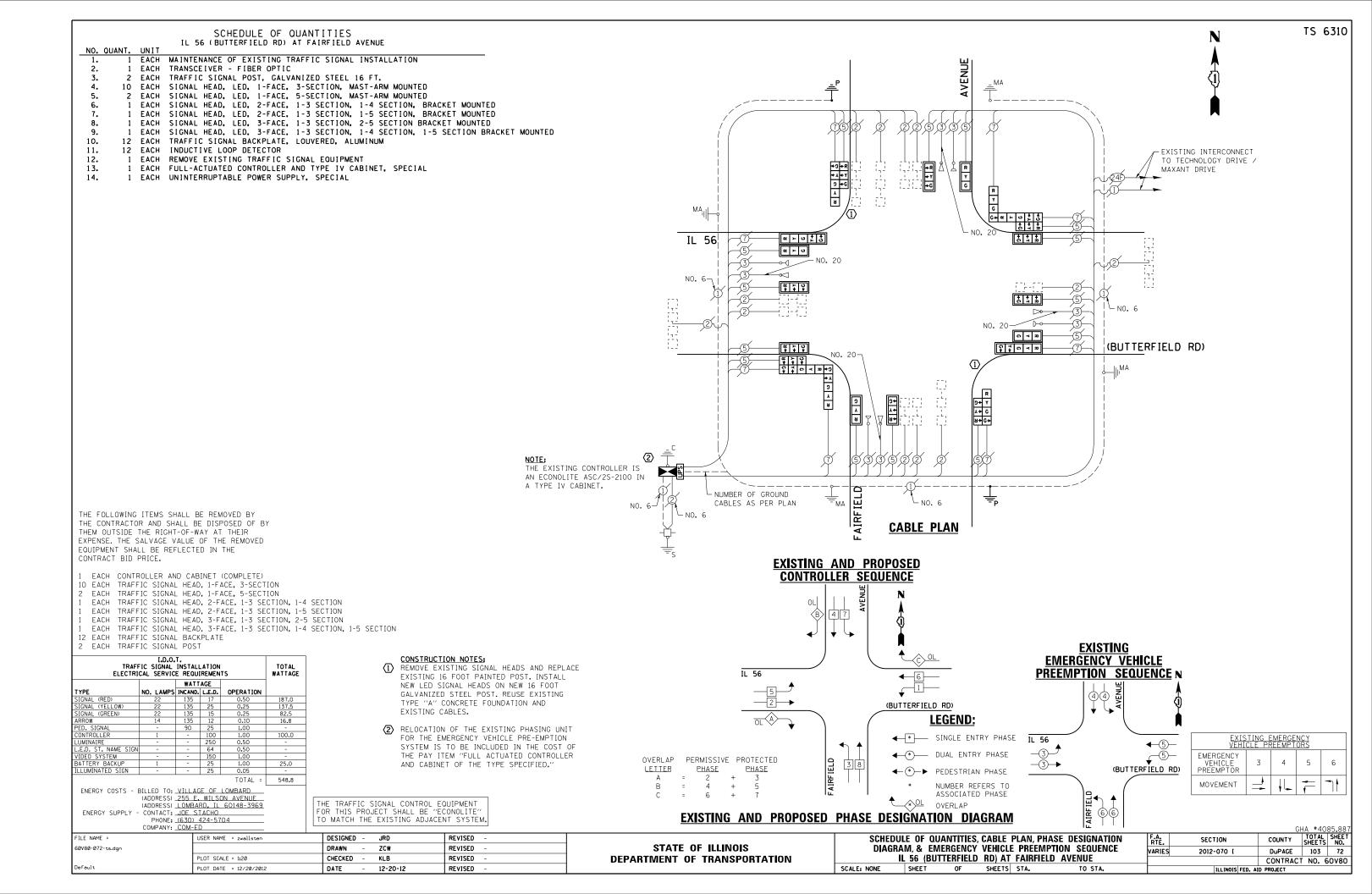
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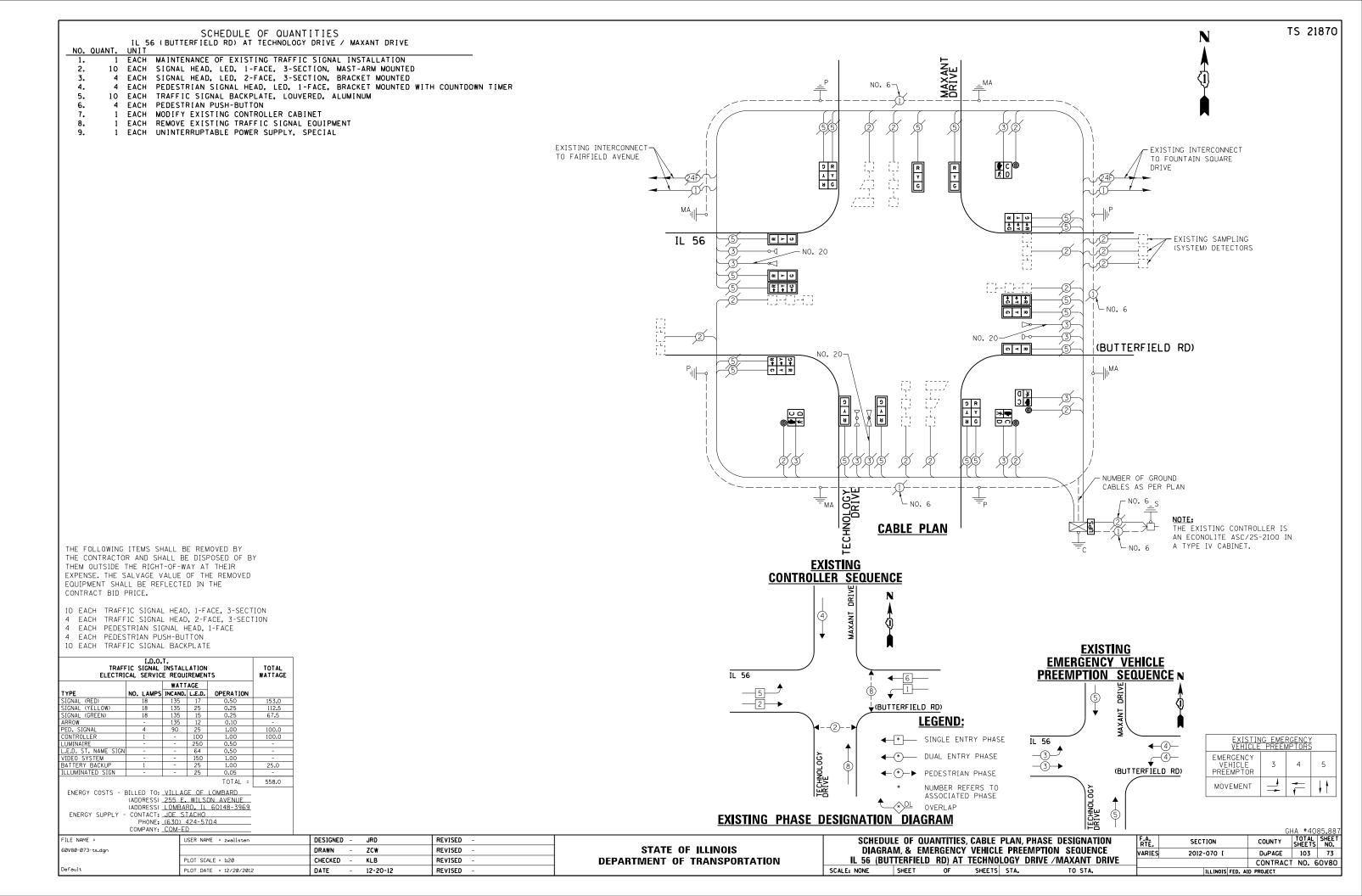
| SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE IN A PROEMPTION SEQ

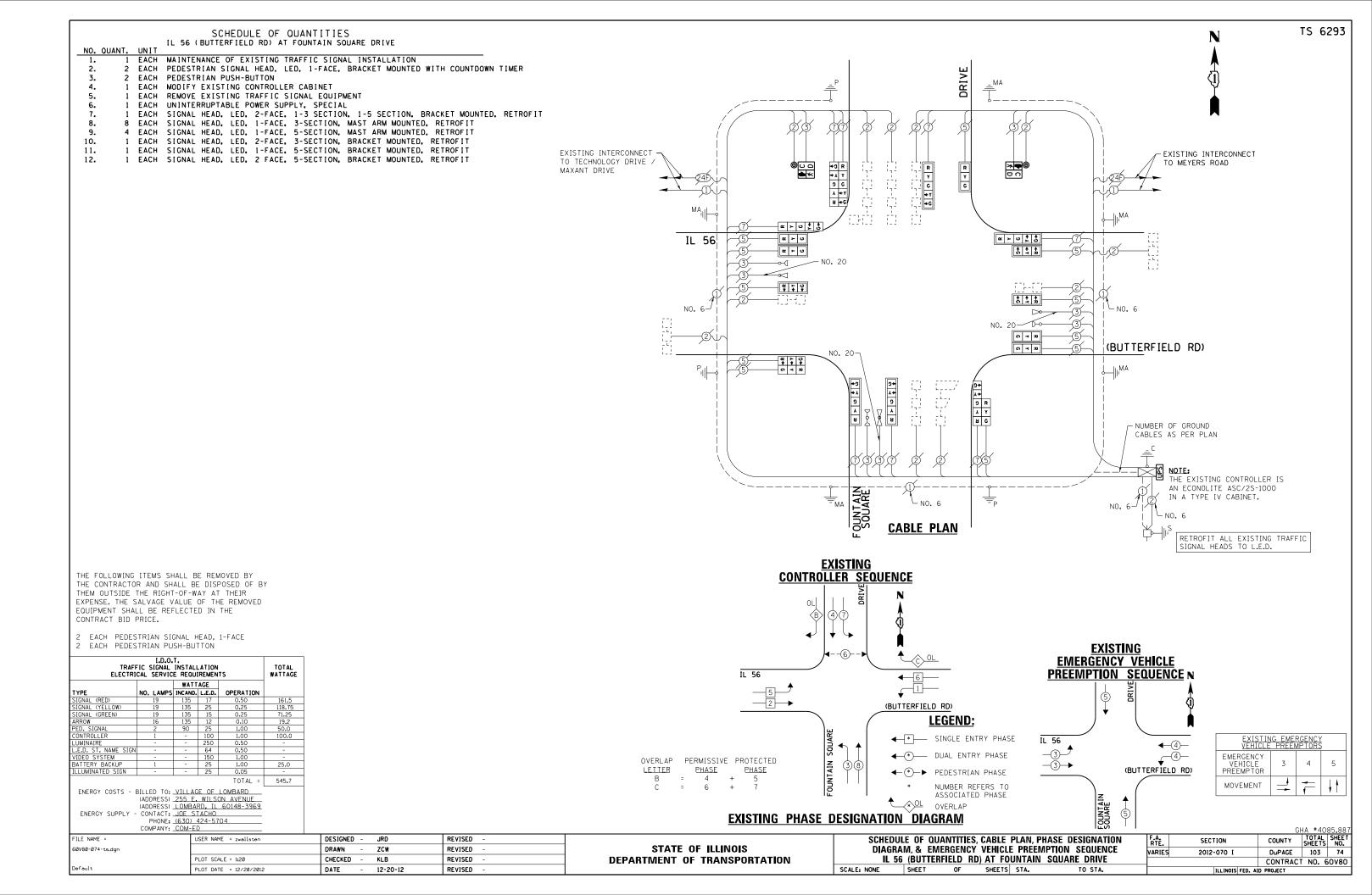
OVERLAP











SCHEDULE OF QUANTITIES IL 53 (ROHLWING RD) AT SIDNEY AVENUE

				IL 55 (ROHLWING RD) AT SIDNET AVENUE
	NO.	QUANT.	UNIT	
Ī	1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
	2.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
	3.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
	4.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
	5.	5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
	6.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
	7.	3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS							
TYPE	NO. LAMPS	WATT INCAND.		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	12	135	12	0.10	14.4		
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 = 361.4							

ENERGY COSTS - BILLED TO: VILLAGE OF LOMBARD (ADDRESS) 255 F. WILSON AVENUE (ADDRESS) 255 F. WILSON AVENUE (ADDRESS) LOMBARD, IL 60148-3969

ENERGY SUPPLY - CONTACT: JUG STACHO PHONE: (630) 424-5704 COMPANY: CO

DATE

12-20-12

REVISED

PLOT DATE = 12/20/2012

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE IL 53 (ROHLWING RD) AT SIDNEY AVENUE

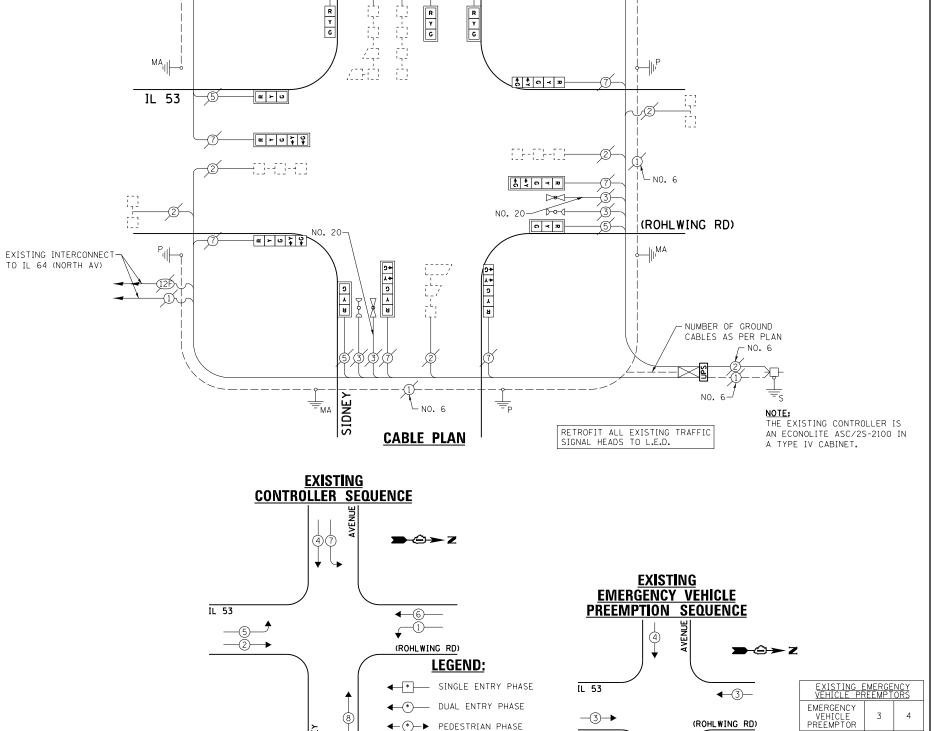
NONE SHEET OF SHEETS STA. TO STA.

NUMBER REFERS TO ASSOCIATED PHASE

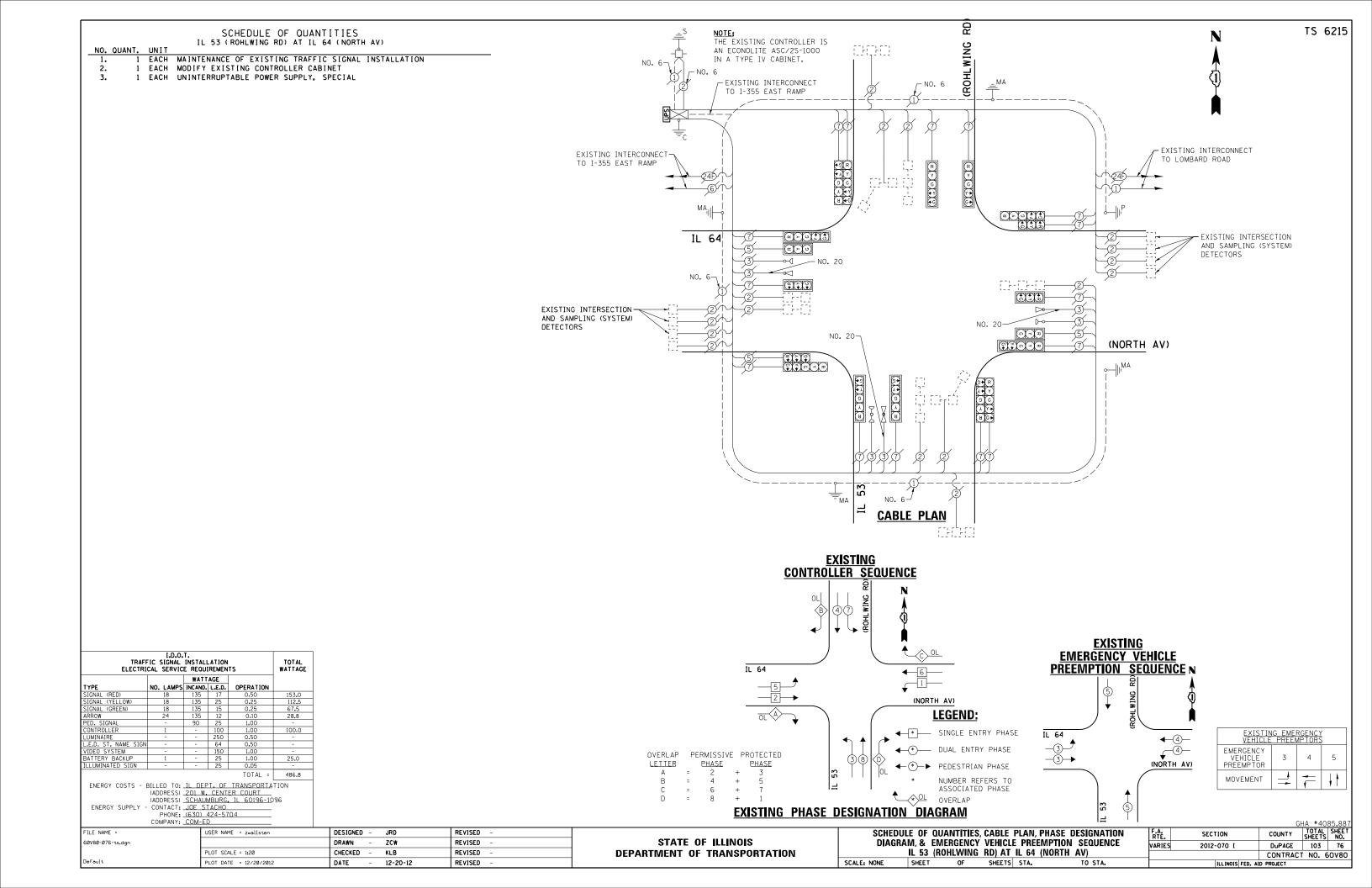
EXISTING PHASE DESIGNATION DIAGRAM

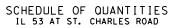
| GHA #4085.887
F.A.	SECTION	COUNTY	TOTAL SHEET	No.
VARIES	2012-070	DUPAGE	103	75
CONTRACT	NO. 60V80			
ILLINOIS	FED. AID	PROJECT		

MOVEMENT



NO. 6-





EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 8. 9. MODIFY EXISTING CONTROLLER CABINET EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 10. 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL 11. 6 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 TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION

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

EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

EACH PEDESTRIAN SIGNAL HEAD, 2-FACE

EACH PEDESTRIAN PUSH-BUTTON

4 EACH TRAFFIC SIGNAL POST 8 EACH TRAFFIC SIGNAL BACKPLATE

TRAFF 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: VILLAGE OF LOMBARD

FILE NAME =

60V80-077-ts.dgr

(ADDRESS) 255 E, WILSON AVENUE (ADDRESS) 155 E, WILSON AVENUE (ADDRESS) LOMBARD, IL 60148-3969 ENERGY SUPPLY - CONTACT: JOE STACHO PHONE: (630) 424-5704 COMPANY: COM-ED

USER NAME = zwallsten

PLOT DATE = 12/20/2012

CONSTRUCTION NOTE:

REVISED

REVISED

REVISED

REVISED

DESIGNED - JRD

ZCW

KLB

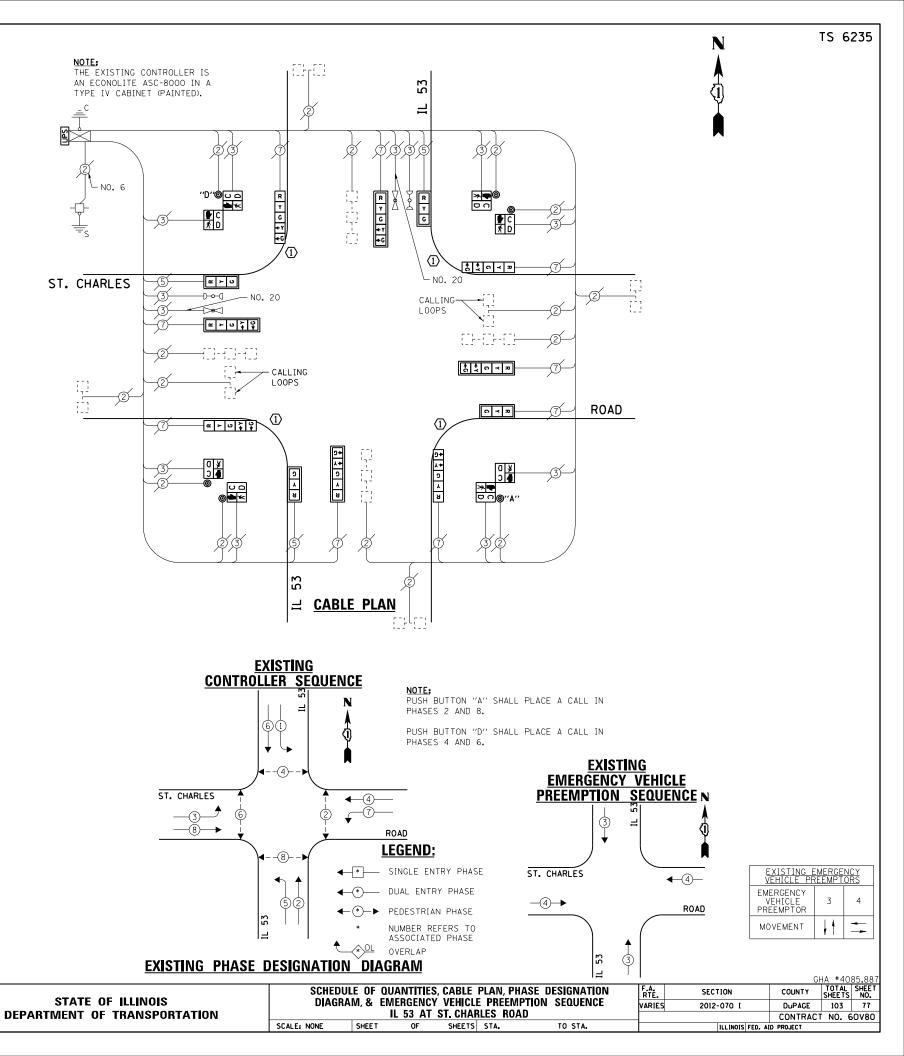
12-20-12

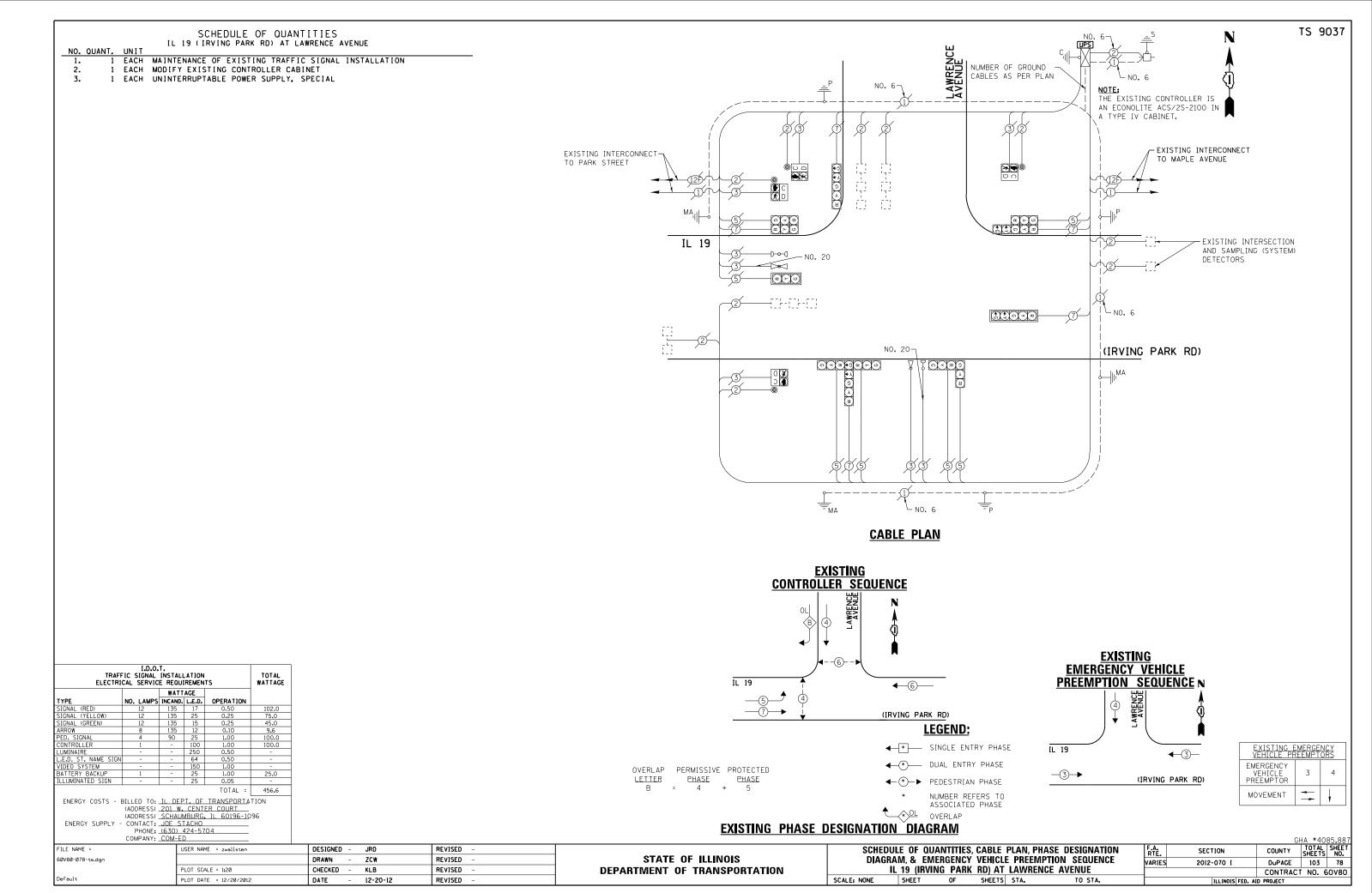
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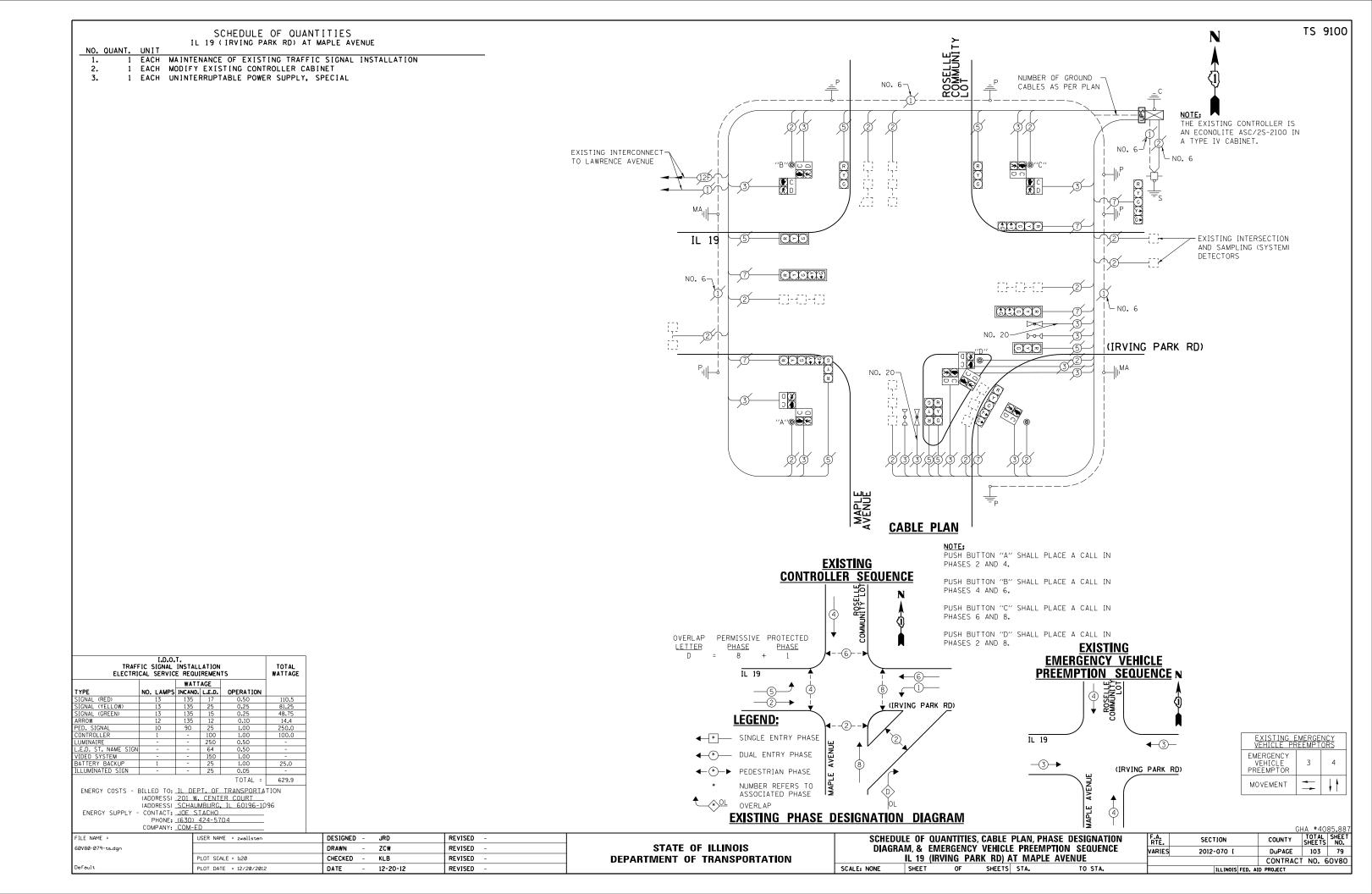
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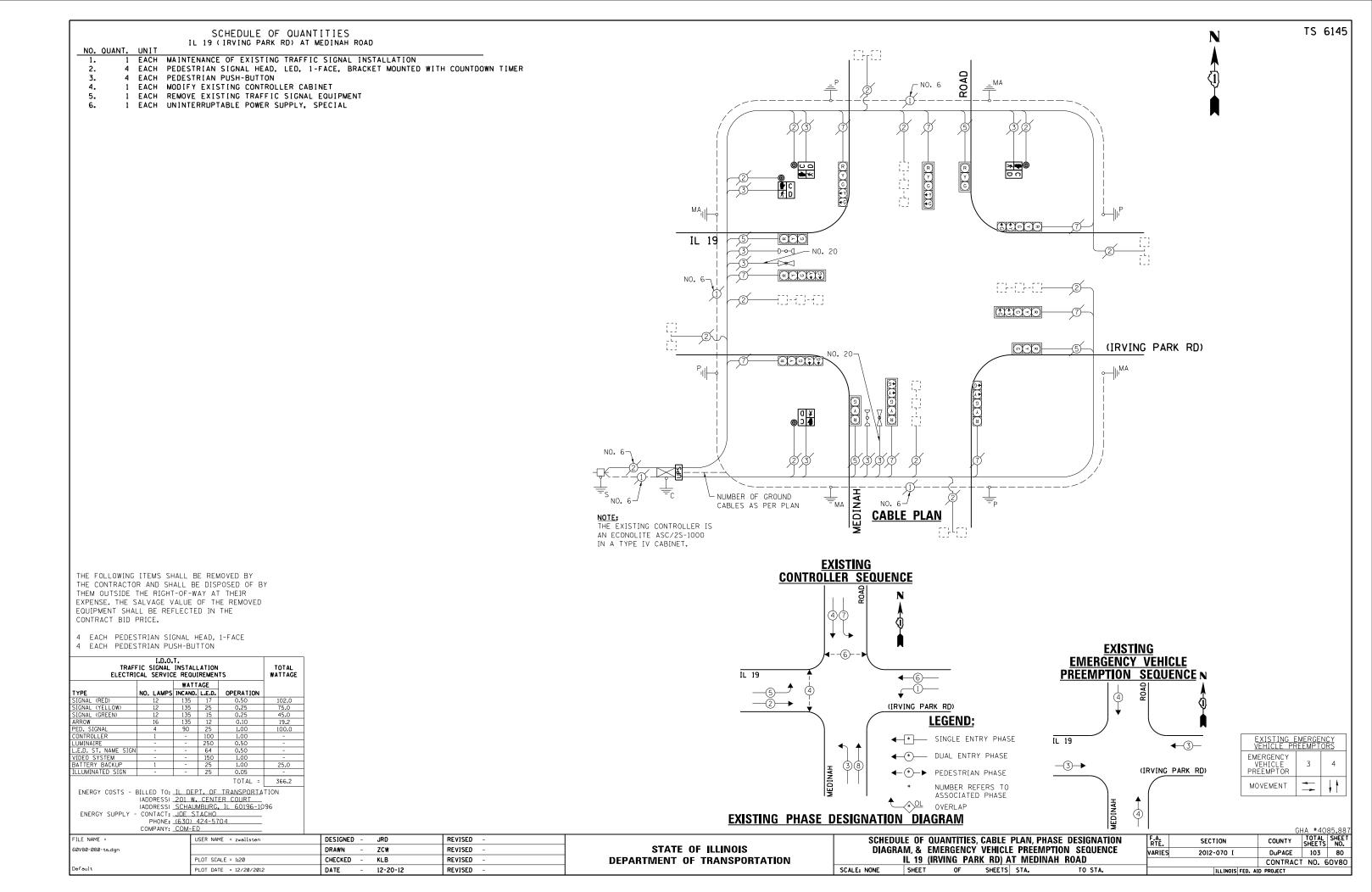
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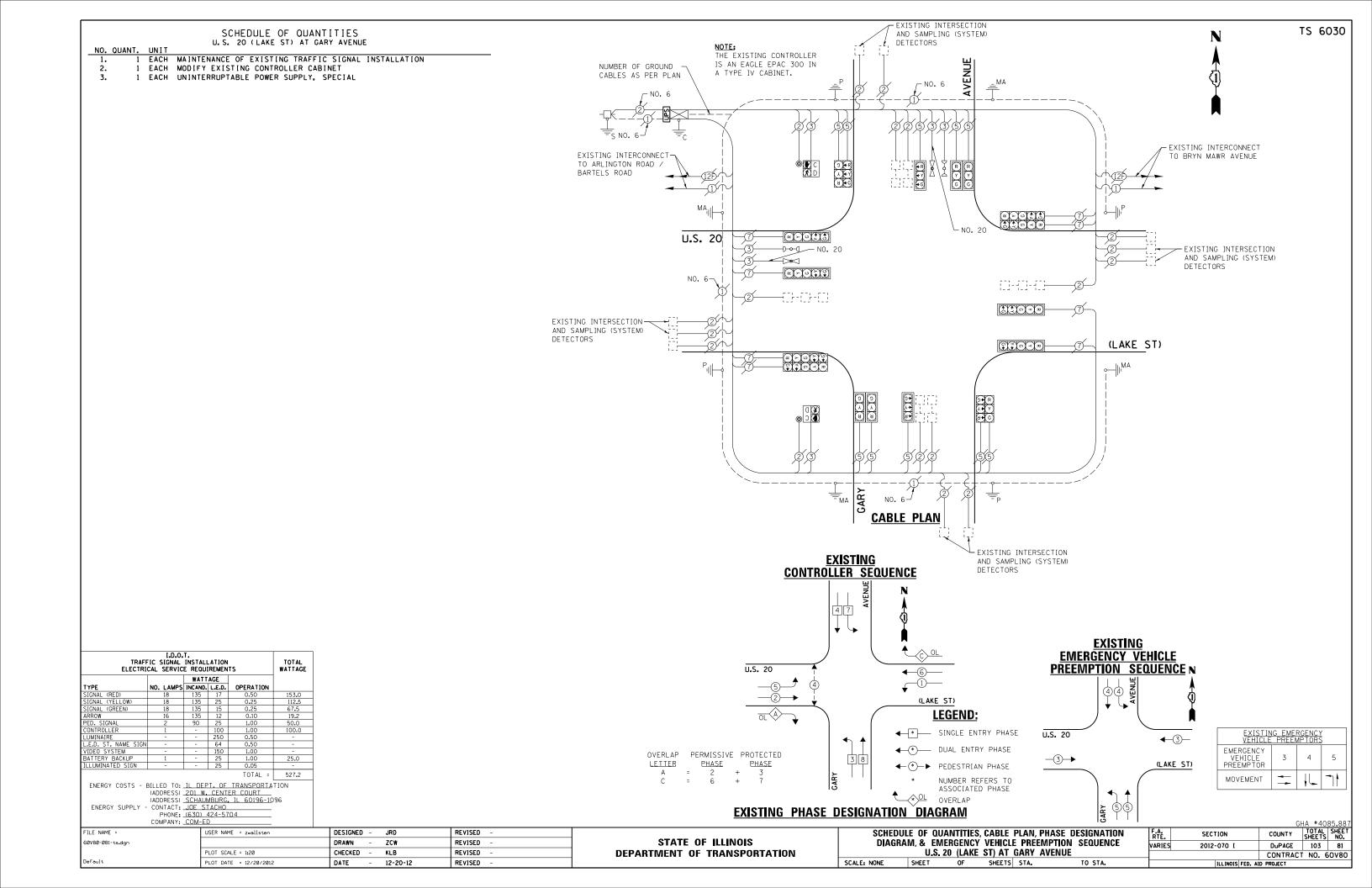
REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL NEW LED SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

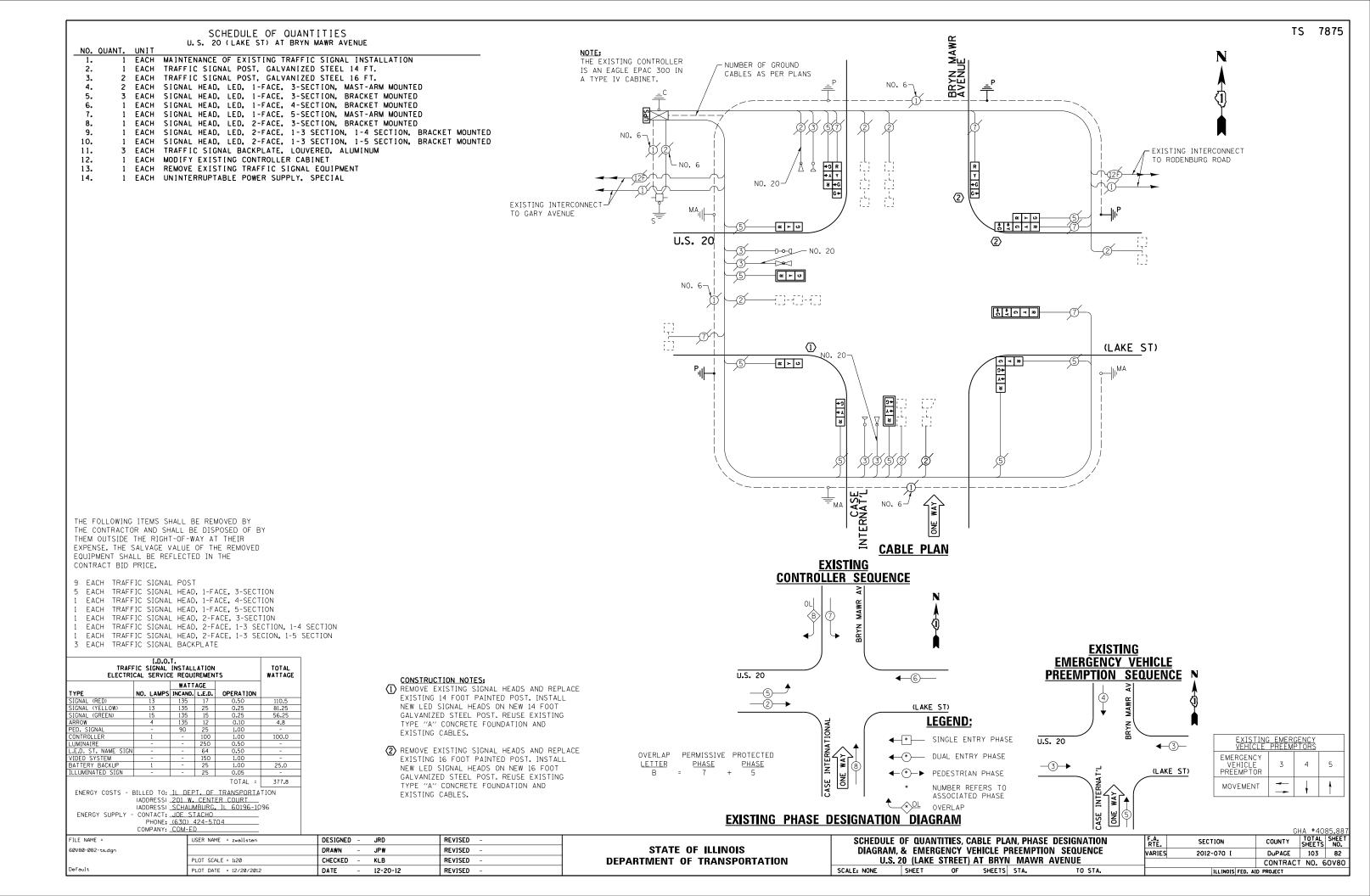


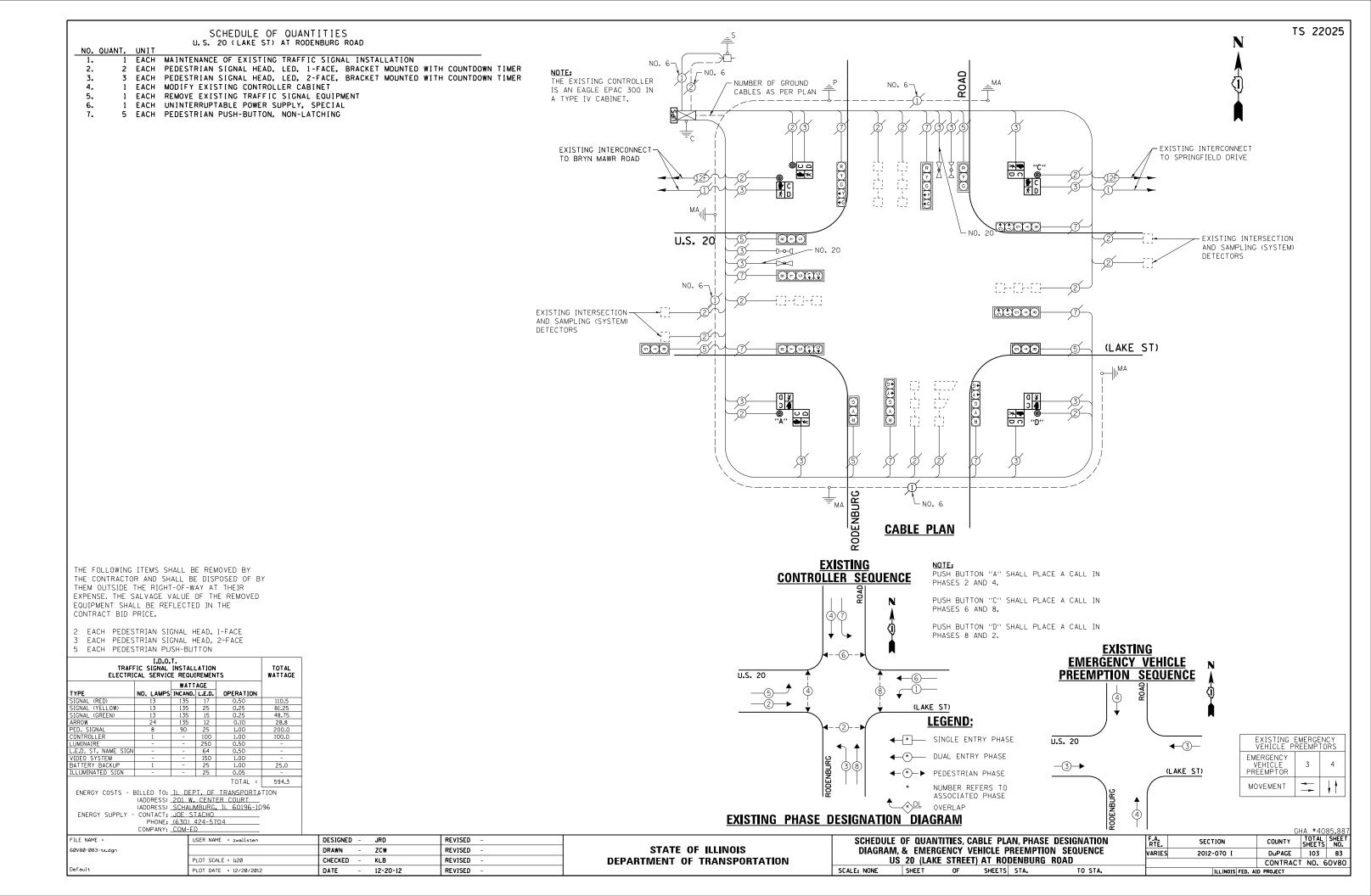












SCHEDULE OF QUANTITIES U.S. 20 (LAKE ST) AT SPRINGFIELD ROAD

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER MODIFY EXISTING CONTROLLER CABINET 4. EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL 5. 4 EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING

THE EXISTING CONTROLLER

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

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	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	-	-	64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	-	-	25	0.05	-		
	·			TOTAL =	612.8		
ENERGY COSTS - BILLED TO: IL DEPT OF TRANSPORTATION							

ENERGY COSTS - BILLED TO: 1L DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: 6630) 424-5704 COMPANY: COM-ED FILE NAME = USER NAME = zwallsten

PLOT DATE = 12/20/2012

60V80-084-ts.dgr

DESIGNED - JRD

JPW

KLB

12-20-12

DRAWN

DATE

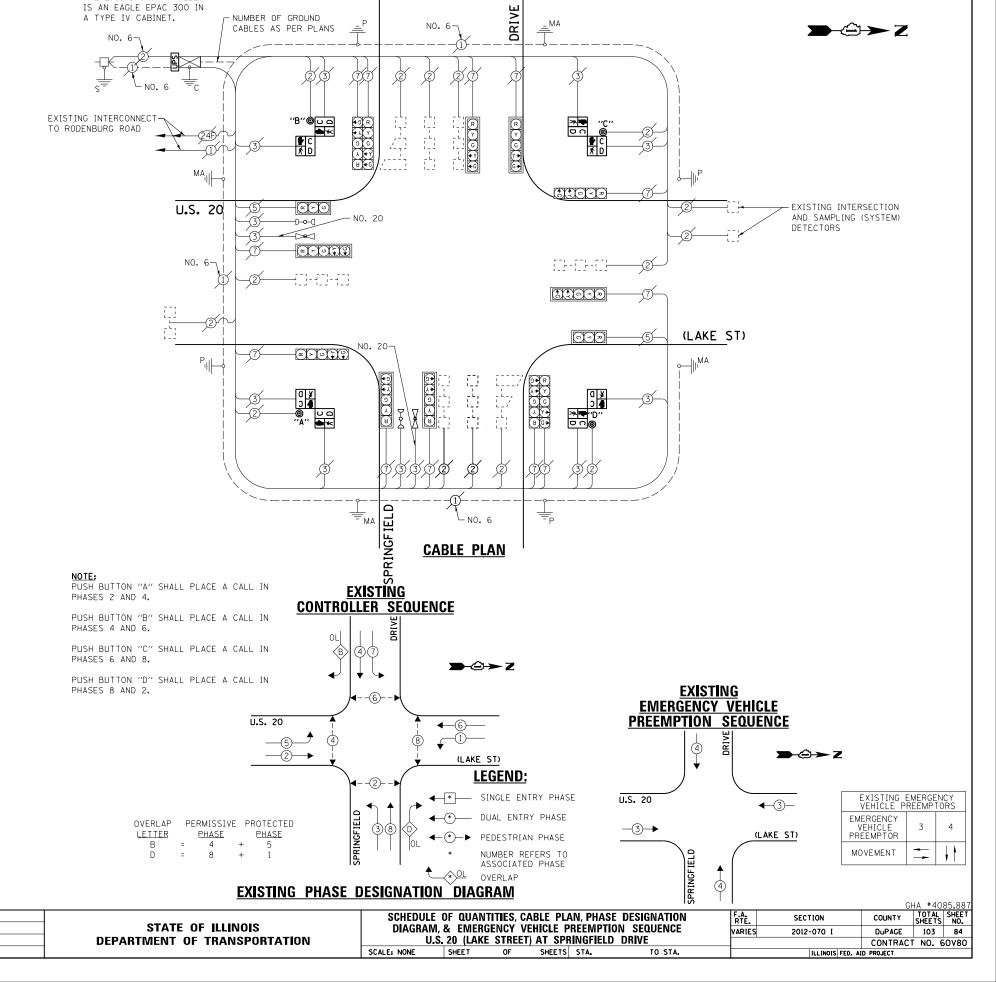
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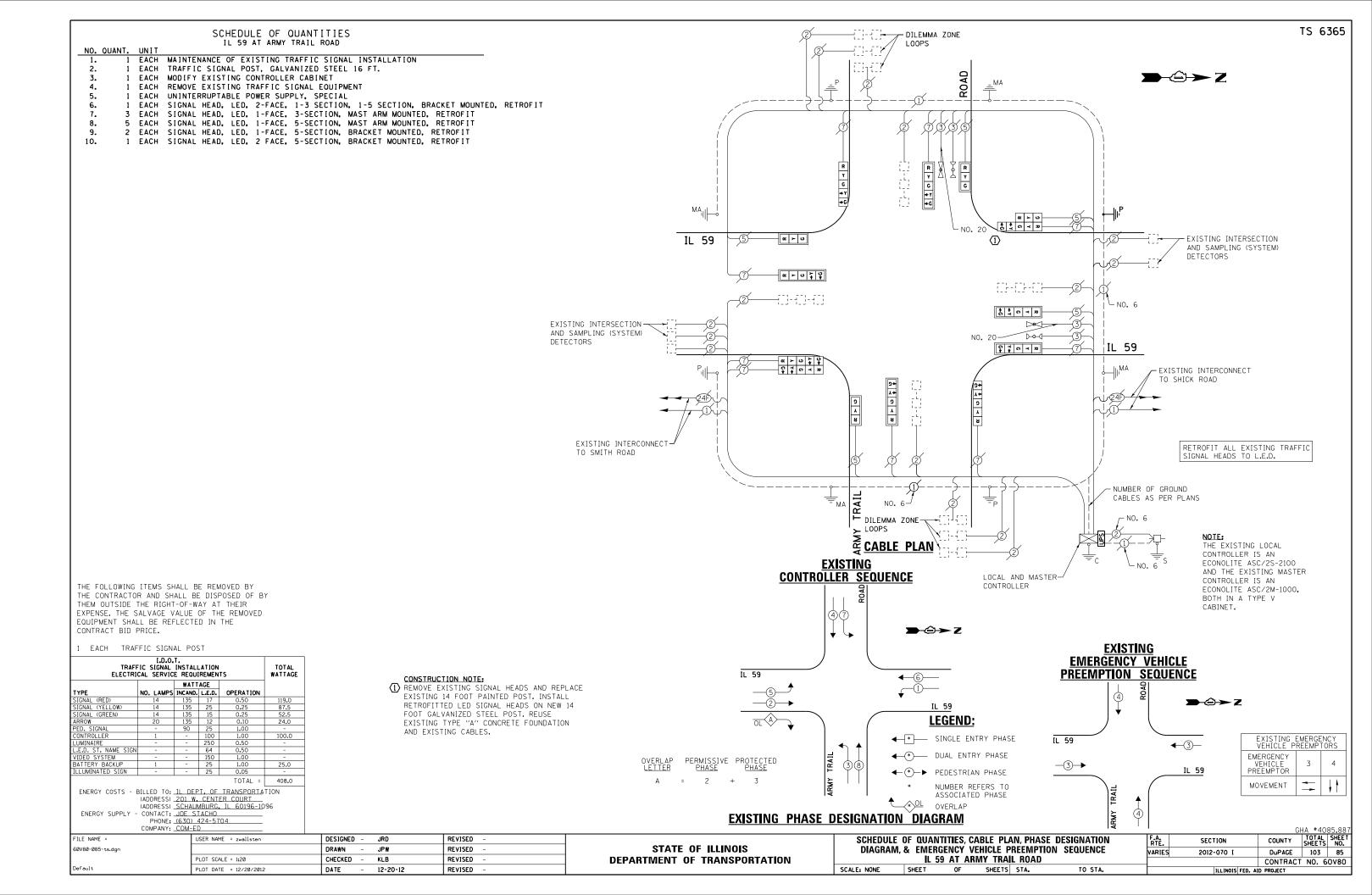
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MOVEMENT

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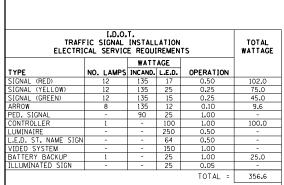
SCHEDULE OF QUANTITIES IL 59 AT SMITH ROAD

NO. QUANT. UNIT

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET

1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



ENERGY COSTS - BILLED TO: IL DEPT, OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

USER NAME = zwallsten

PLOT DATE = 12/20/2012

DESIGNED - JRD

DRAWN - JPW

CHECKED - KLB

DATE - 12-20-12

REVISED -

REVISED

REVISED

REVISED

FILE NAME =

60V80-086-ts.dgn

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE DIAGRAM,
	SCALE: NONE

 GHA
 #4085.88

 COUNTY
 TOTAL SHEETS NO.

 DuPAGE
 103
 86
 E OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION M, & EMERGENCY VEHICLE PREEMPTION SEQUENCE SECTION 2012-070 I VARIES IL 59 AT SMITH ROAD CONTRACT NO. 60V80 OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS	9 0	EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS
DETECTORS	NO. 20 NO	IL 59 EXISTING INTERCONNECT TO ARMY TRAIL ROAD
NOTE:		
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 IN A TYPE IV CABINET.	EXISTING CONTROLLER SEQUENCE	NTRY PHASE IL 59 EXISTING EMERGENCY VEHICLE PREEMPTORS EMERGENCY VEHICLE 3 4

ROAD

(NORTH AV)

EMERGENCY VEHICLE PREEMPTOR

MOVEMENT

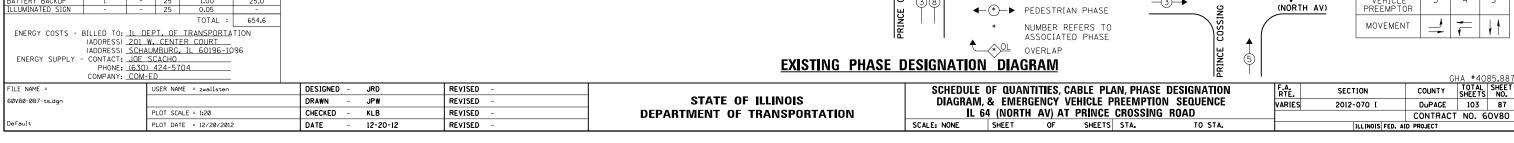
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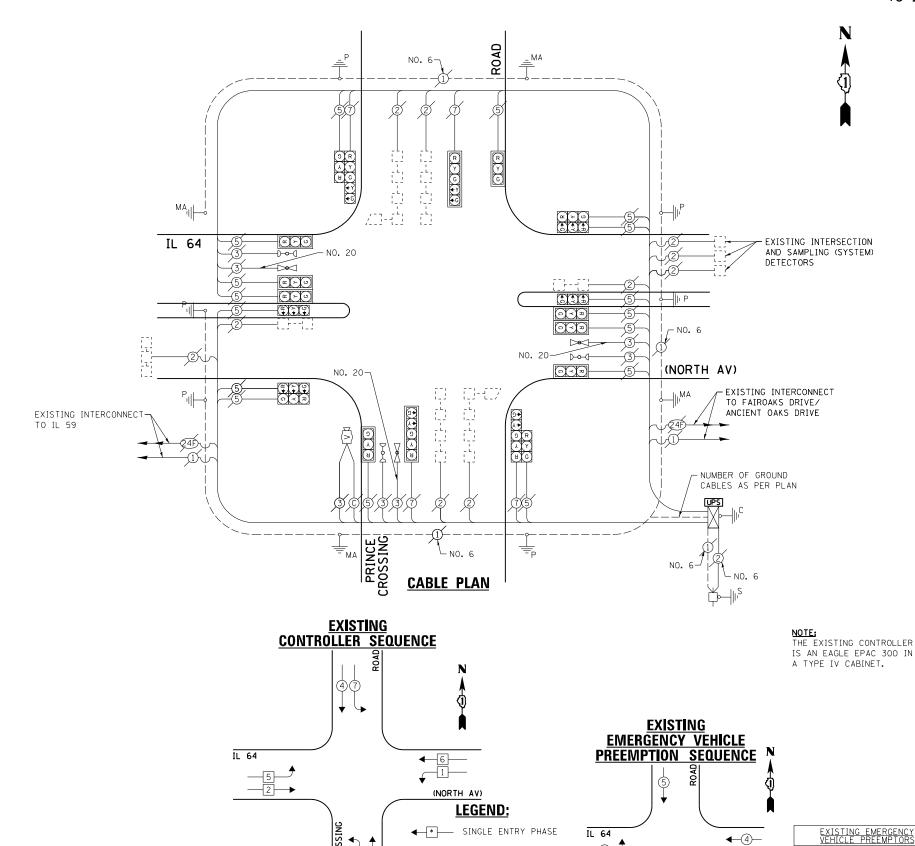
SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT PRINCE CROSSING ROAD

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

1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

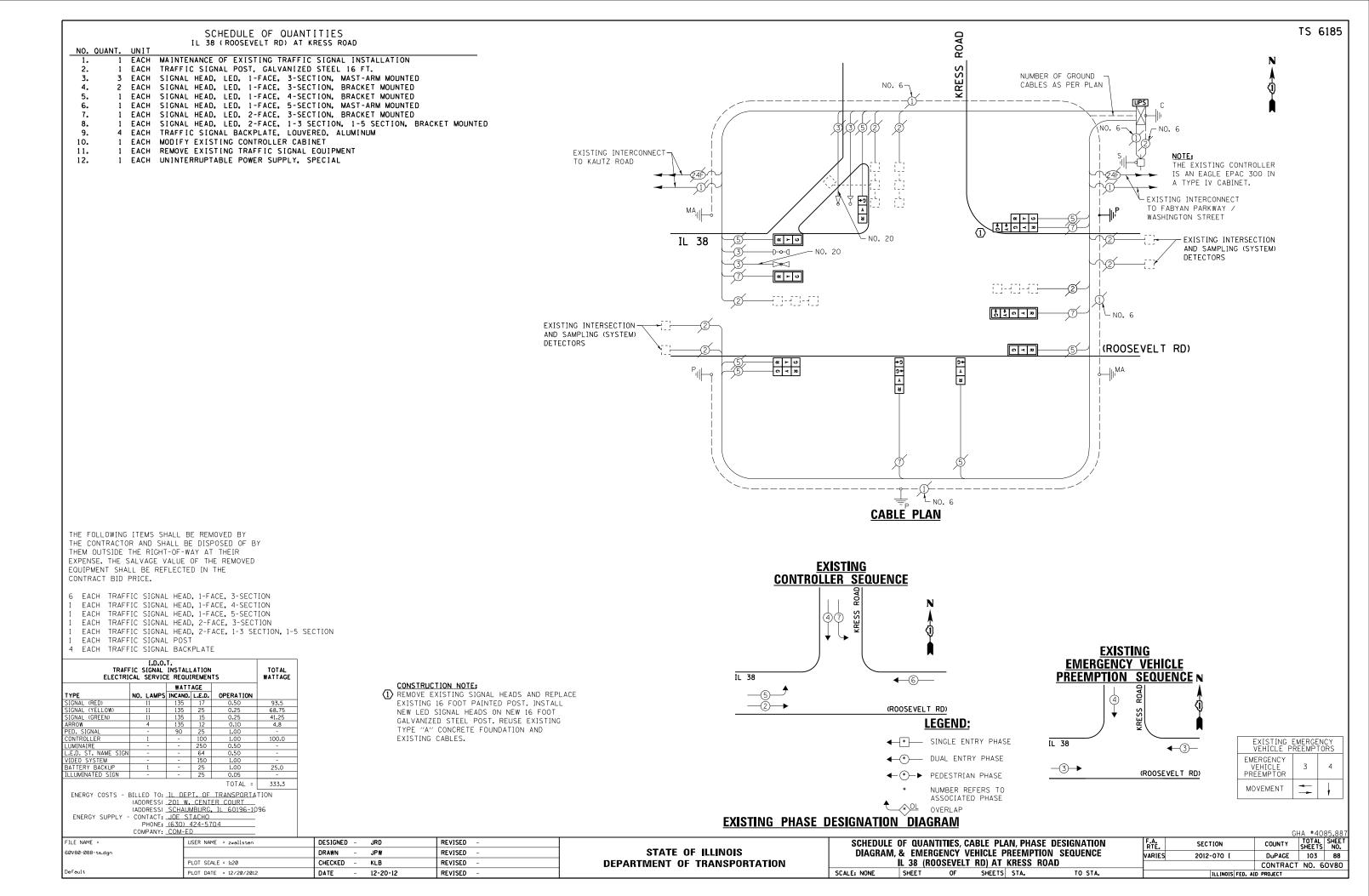
		-				
TDAFF	.O.Q.I		ATION		TOTAL	
	FIC SIGNAL CAL SERVIC				TOTAL WATTAGE	
ELECTRI	CAL SERVIC			13	WATTAGE	
		WATT				
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION		
SIGNAL (RED)	20	135	17	0.50	70.0	
SIGNAL (YELLOW)	20	135	25	0.25	125.0	
SIGNAL (GREEN)	20	135	15	0.25	75.0	
ARROW	8	135	12	0.10	9.6	
PED. SIGNAL	-	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	1	-	150	1.00	150.0	
BATTERY BACKUP	1	-	25	1.00	25.0	
ILLUMINATED SIGN	-	-	25	0.05	-	
				TOTAL =	654.6	
ENERGY COSTS - I	BILLED TO:	II DEP	T. OF	TRANSPORTA	TION	
	(ADDRESS)					
	(ADDRESS)				96	
ENERGY SURPLY - CONTACT: IDE SCACHO						

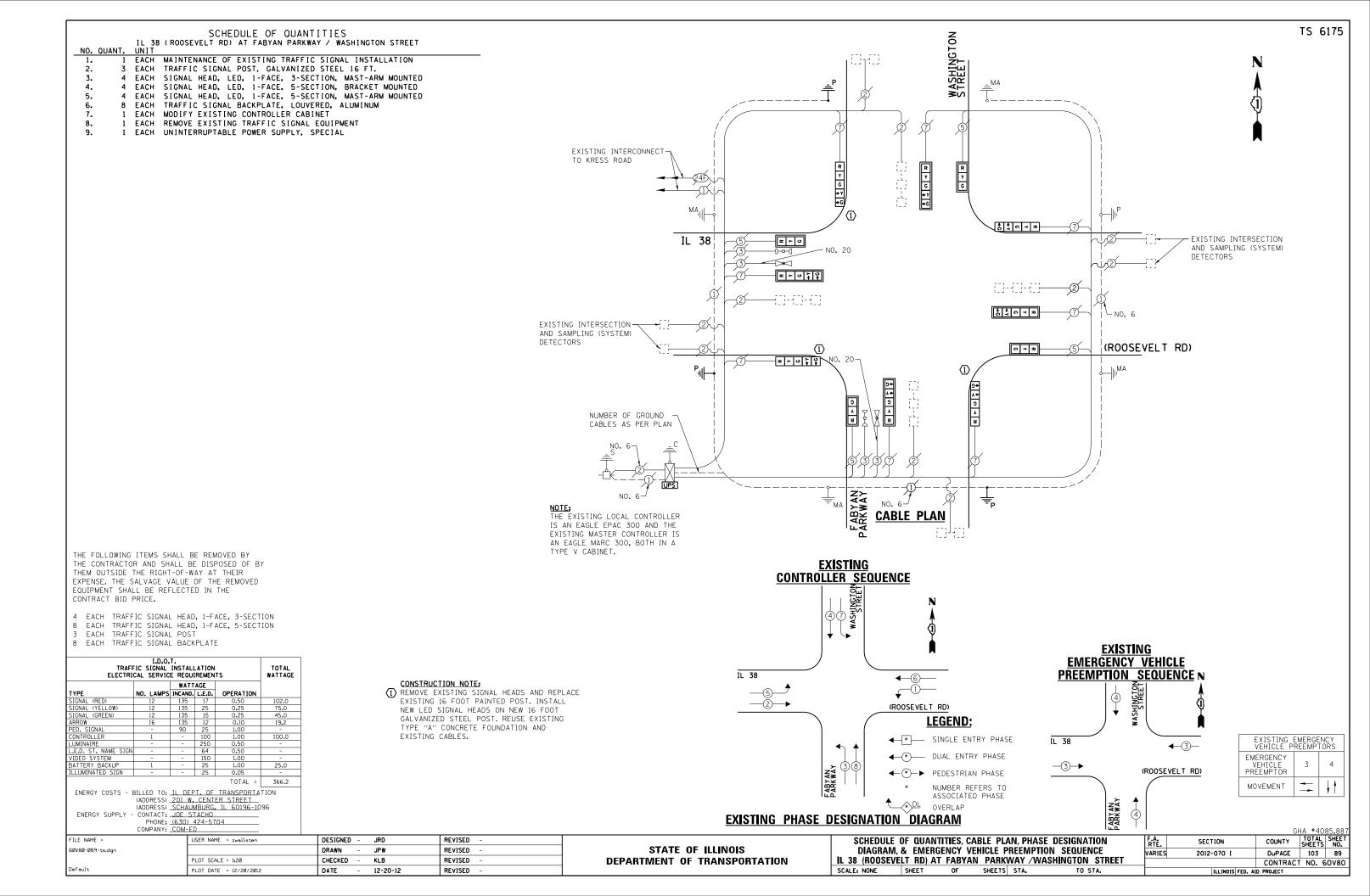


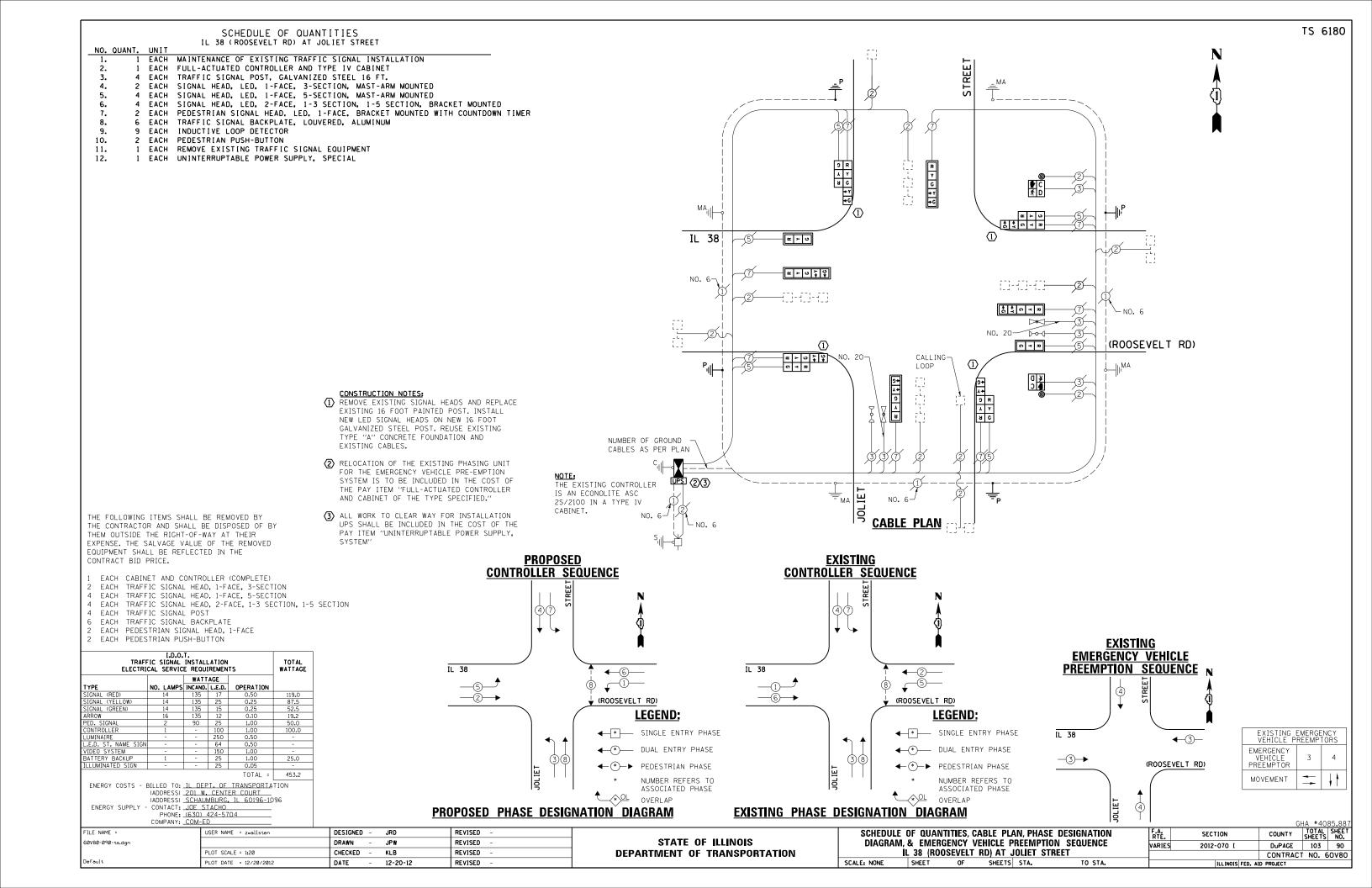


- DUAL ENTRY PHASE

PEDESTRIAN PHASE







TS 22115

EXISTING INTERSECTION AND SAMPLING (SYSTEM)

DETECTORS

THE EXISTING CONTROLLER IS AN EAGLE EPAC 300 IN

A TYPE IV CABINET.

SCHEDULE OF QUANTITIES IL 59 AT DIVERSEY PARKWAY

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

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 BACKPLATE

FILE NAME =

60V80-091-ts.dgr

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	-	90	25	1.00	-		
CONTROLLER	1		100	1.00	100.0		
LUMINAIRE		-	250	0.50	-		
L.E.D. ST. NAME SIGN	ı		64	0.50	-		
VIDEO SYSTEM	-	-	150	1.00	-		
BATTERY BACKUP	1	-	25	1.00	25.0		
ILLUMINATED SIGN	-	-	25	0.05	-		
				TOTAL =	403.2		
ENERGY COSTS - E					TION		
	(ADDRESS) 201 W. CENTER COURT						
	(ADDRESS)	SCHAUN	MBURG,	IL60196-10	196		
ENERGY SUPPLY -							
	PHONE: .	(630) 4	124-57	04			
	COMPANY:	COM-E)				

USER NAME = zwallsten

PLOT DATE = 12/20/2012

DESIGNED - JRD

ZCW

KLB

12-20-12

DRAWN

DATE

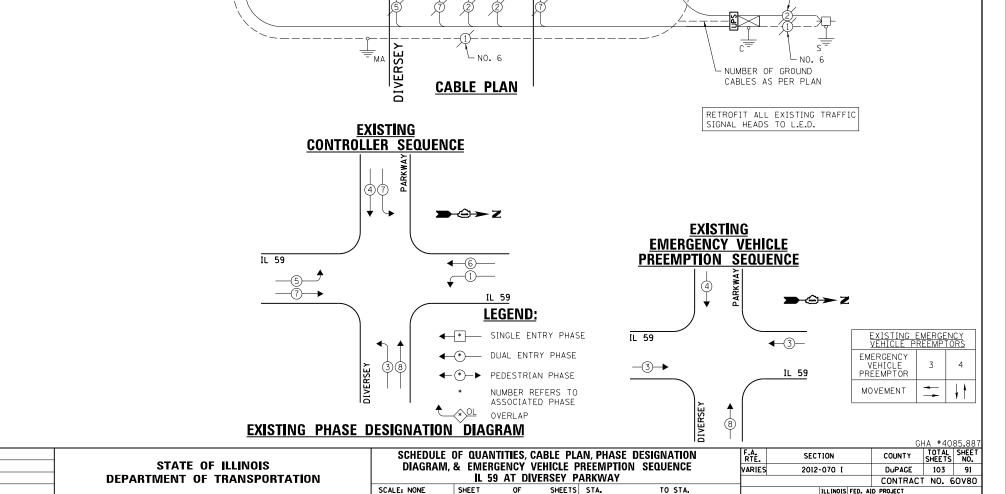
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REVISED



PARKWAY

IL 59

L_||I|MA

NO. 6-

MA

IL 59

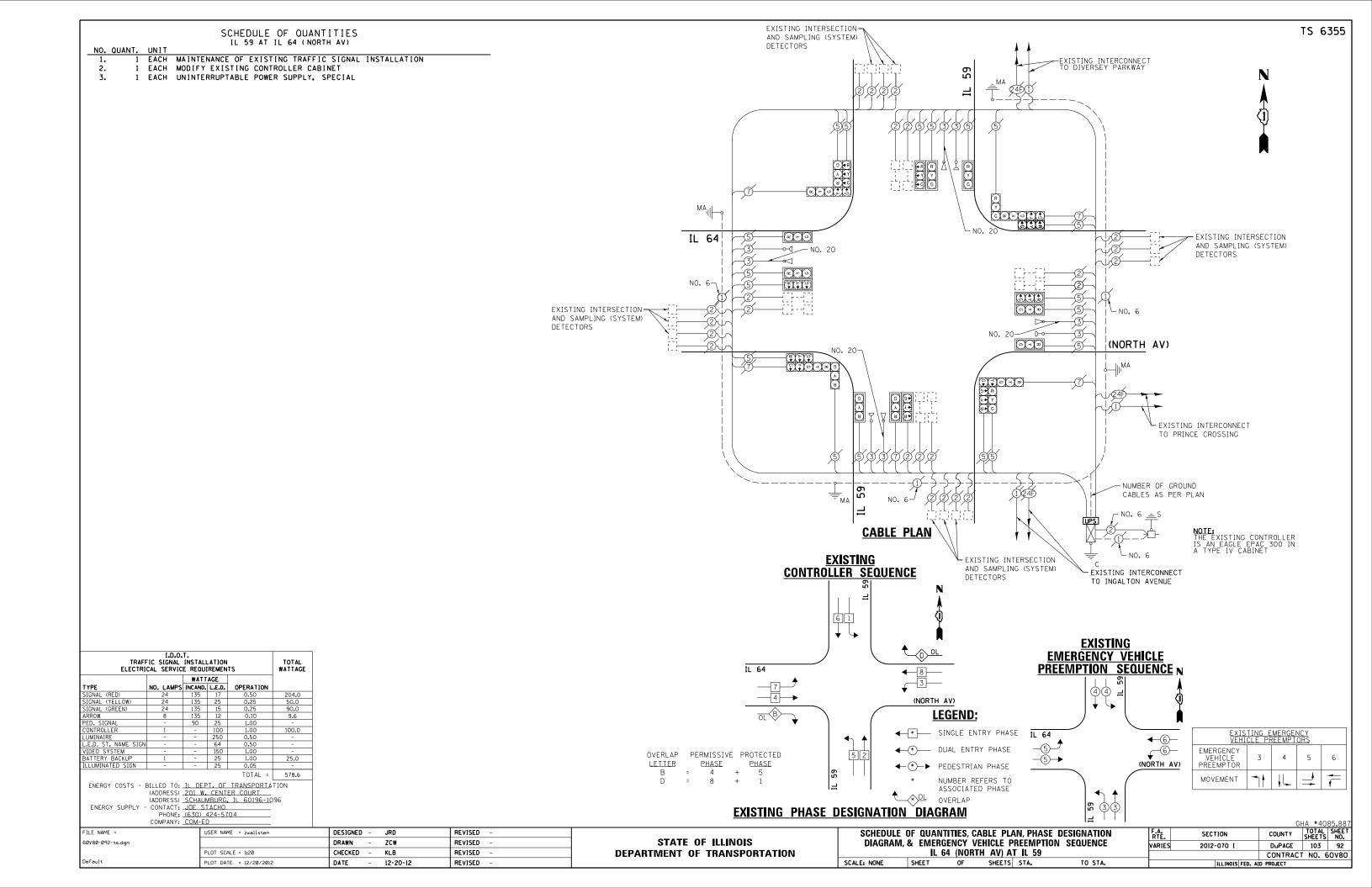
EXISTING INTERCONNECT

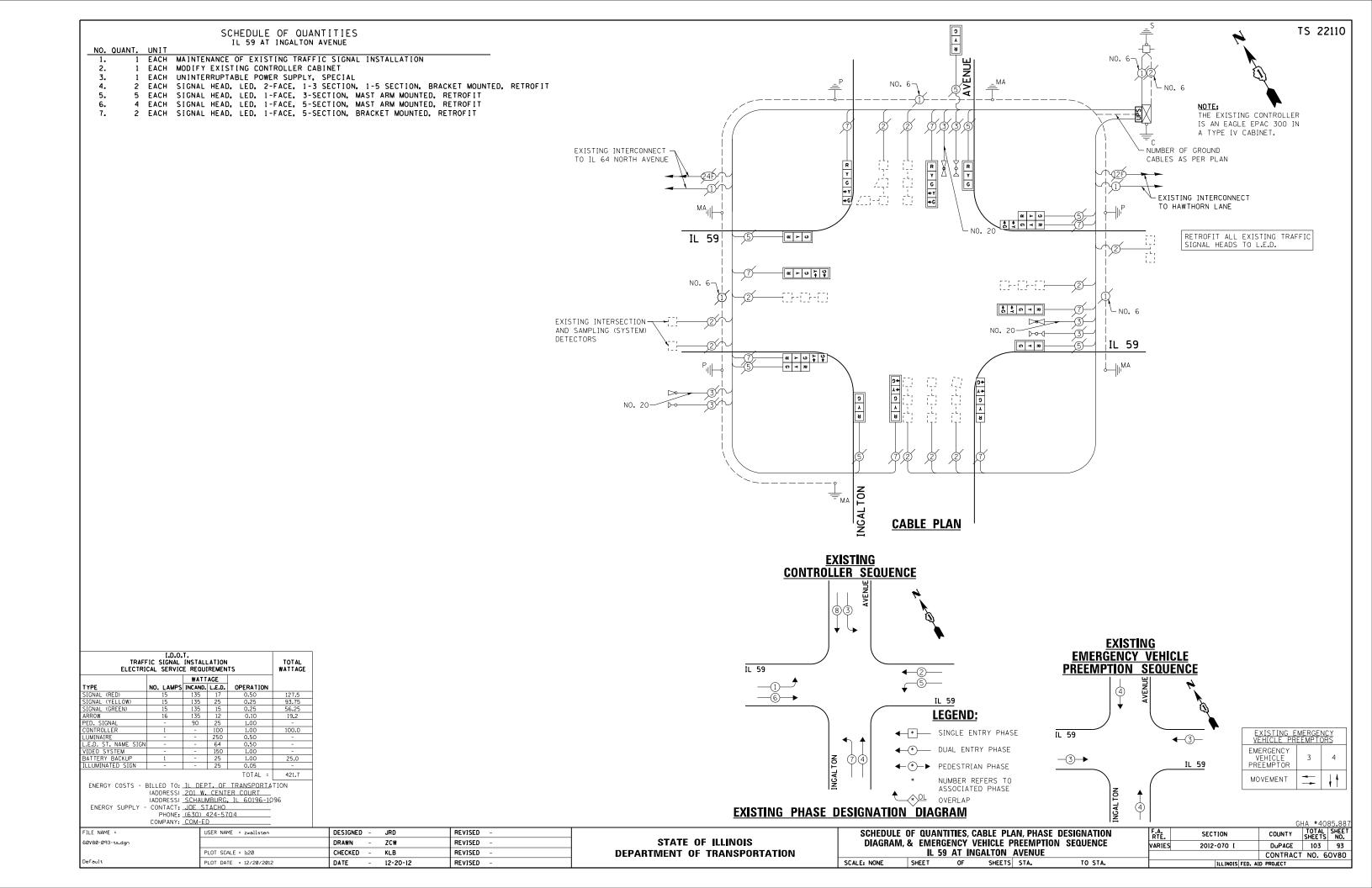
TO IL 64 (NORTH AV)

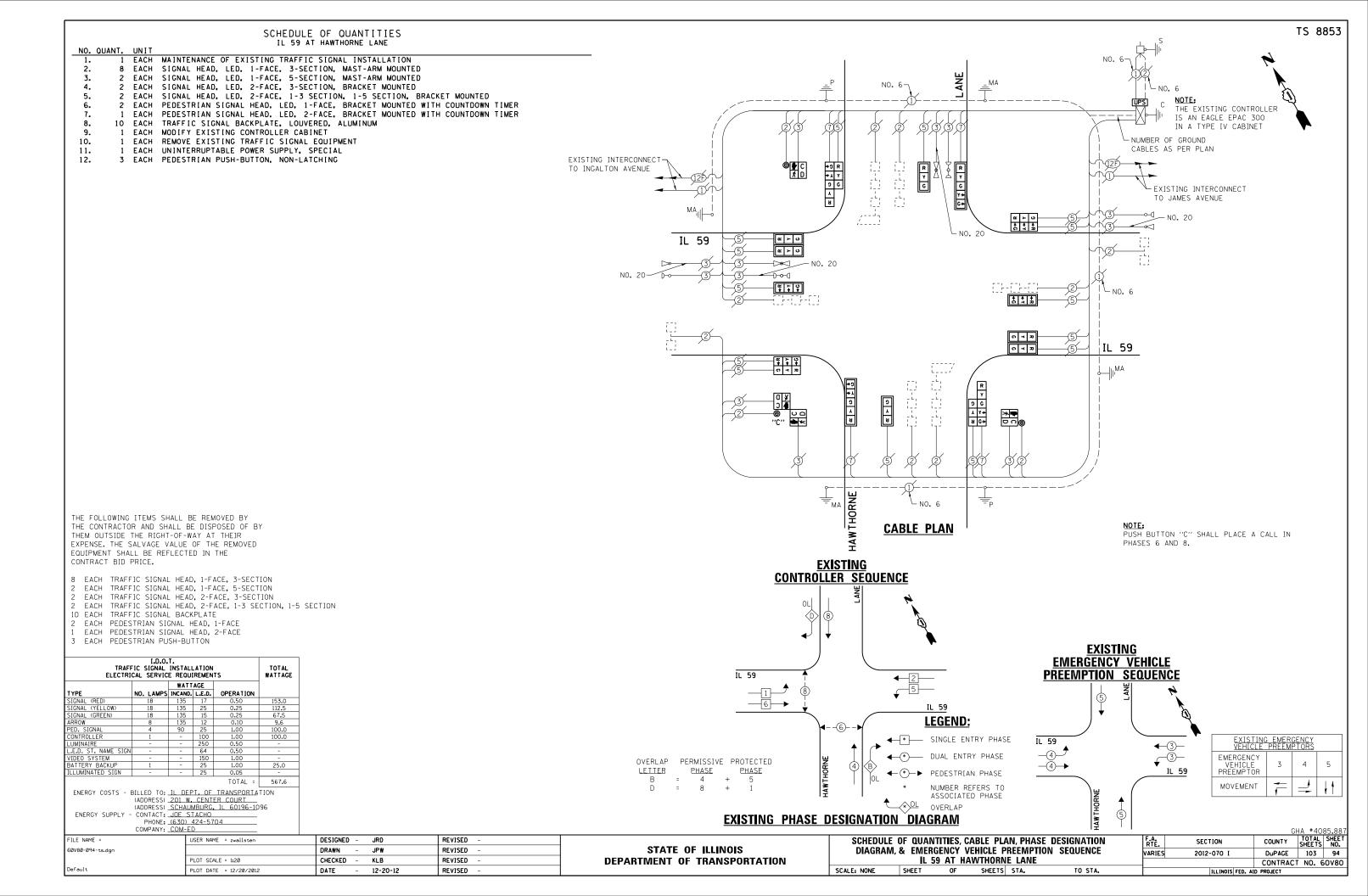
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SCHEDULE OF QUANTITIES IL 59 AT JAMES AVENUE

NO. QUANT. UNIT 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 3 EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED 4 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 4 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 2 EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 8. 2 EACH PEDESTRIAN PUSH-BUTTON EACH MODIFY EXISTING CONTROLLER CABINET 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, 2-FACE, 3-SECTION
2 EACH TRAFFIC SIGNAL BACKPLATE
3 EACH TRAFFIC SIGNAL POST
2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

2 EACH PEDESTRIAN PUSH-BUTTON

TRAFF Electri	TOTAL WATTAGE				
	NO. LAMPS INCAND. L.E.D. OPERATION				
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	-	135	12	0.10	-
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 =	434.0

ENERGY COSTS - BILLED TO: <u>IL DEPT, OF TRANSPORT</u>ATION
(ADDRESS) <u>201 W. CENTER COURT</u>
(ADDRESS) <u>SCHALMBURG, IL 60196-1096</u>
ENERGY SUPPLY - CONTACT: <u>JOE STACHO</u>
PHONE: (630) 424-5704
COMPANY: <u>COM-ED</u>

USER NAME = zwallsten

PLOT DATE = 12/20/2012

FILE NAME =

60V80-095-ts.dgn

CONSTRUCTION NOTE:

DESIGNED - JRD

DRAWN - ZCW

CHECKED - KLB

- 12-20-12

DATE

CONSTRUCTION NOTE;

REMOVE EXISTING SIGNAL HEADS AND EXISTING 14 FOOT PAINTED POST. IN NEW LED SIGNAL HEADS ON NEW 14 F GALVANIZED STEEL POST. REUSE EXISTYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.

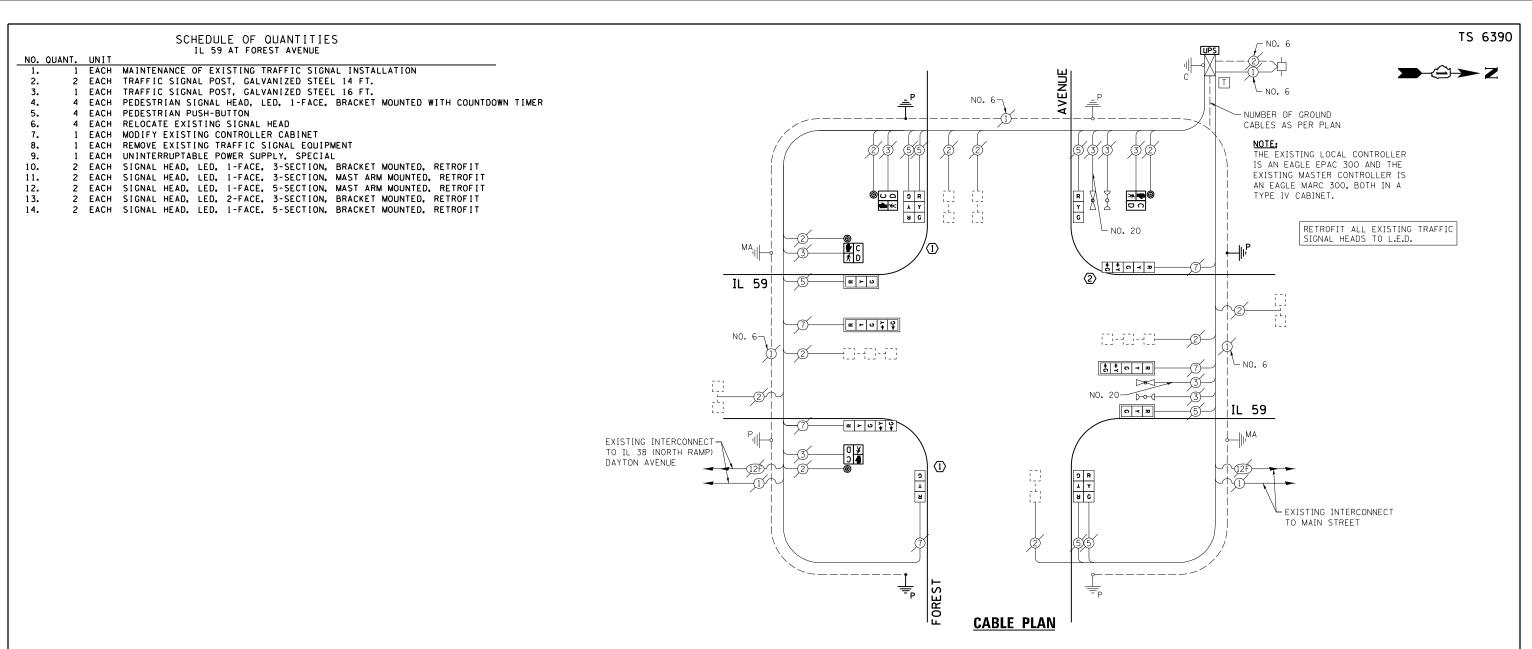
REVISED

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REVISED

	IL 59 S EXISTNG INTERCONNECT TO WASHINGTON STREET TO WASHINGTON STREET TO WASHINGTON STREET	JAMES CONTRACTOR OF THE STATE O	D. 6 NO. 20 R > O	IL 59 S NUMBER O CABLES AS	S PER PLAN	
AND RE INSTA 14 FOOT EXISTIN AND	CONTROL IL 59 4 2 V	DESIGNATIO	IL 59 LEGEND: * SINGLE ENTRY PHASE * DUAL ENTRY PHASE * NUMBER REFERS TO ASSOCIATED PHASE * OVERLAP	EXISTIN EMERGENCY PREEMPTION S	THE EXISTING CONTROLLER EAGLE EPAC 300 IN A TYPE CABINET.	
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIAGRAIN SCALE: NONE	IL 59 AT JAMES AVENUE SHEET OF SHEETS STA.	TO STA.	VARIES 2012-070 [DuPAGE 103 95 CONTRACT NO. 60V80



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 4 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE 1 D O T

4 EACH PEDESTRIAN PUSH-BUTTON

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	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 =	456.6

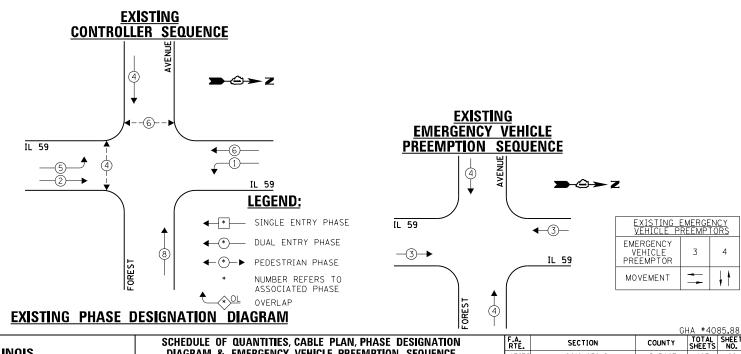
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704

COMPANY: COM-ED

CONSTRUCTION NOTES:

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

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



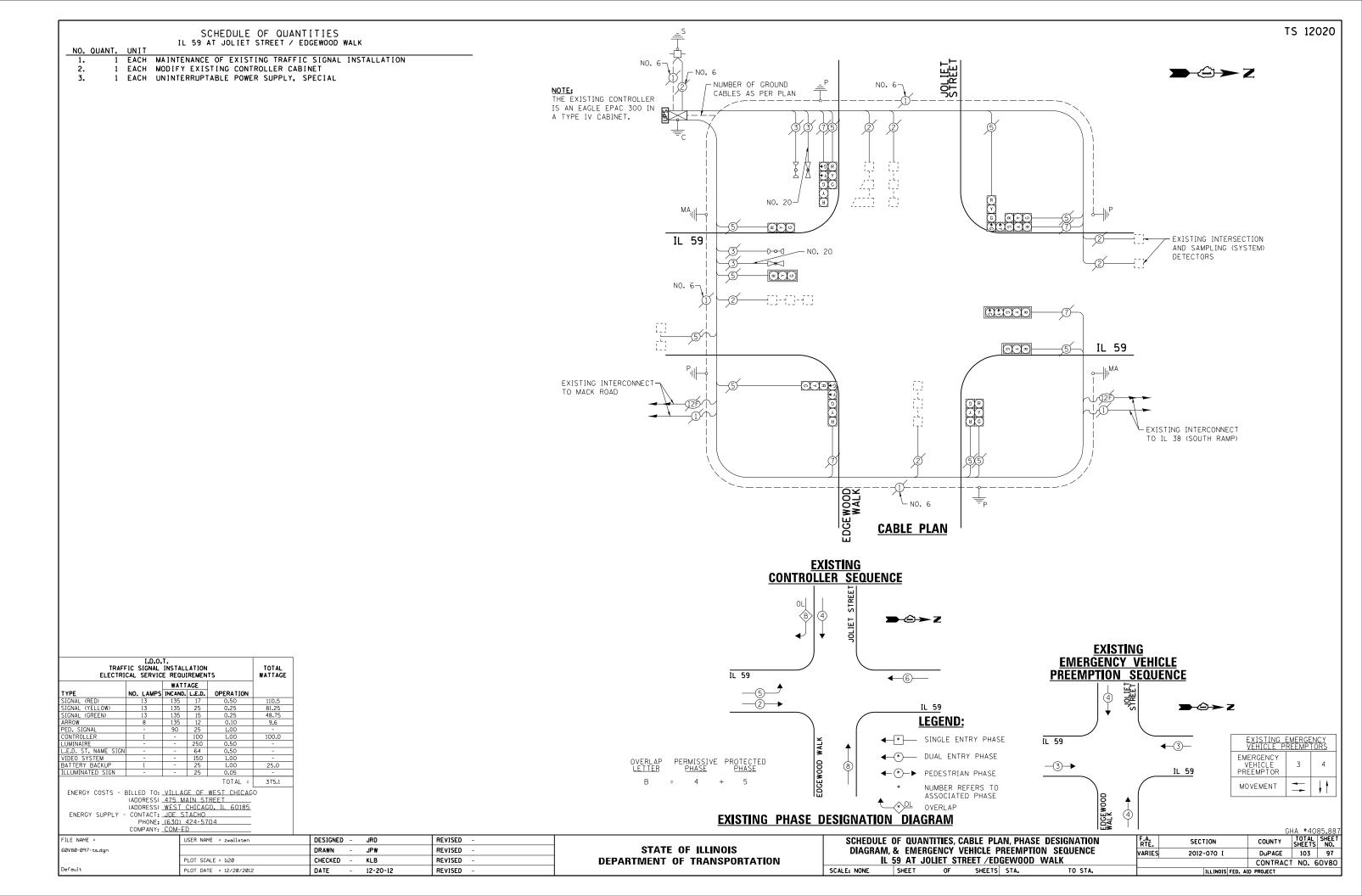
FILE NAME =	USER NAME = zwallsten	DESIGNED -	JRD	REVISED -
60V80-096-ts.dgn		DRAWN -	ZCW	REVISED -
	PLOT SCALE = 1:20	CHECKED -	KLB	REVISED -
Default	PLOT DATE = 12/20/2012	DATE -	12-20-12	REVISED -

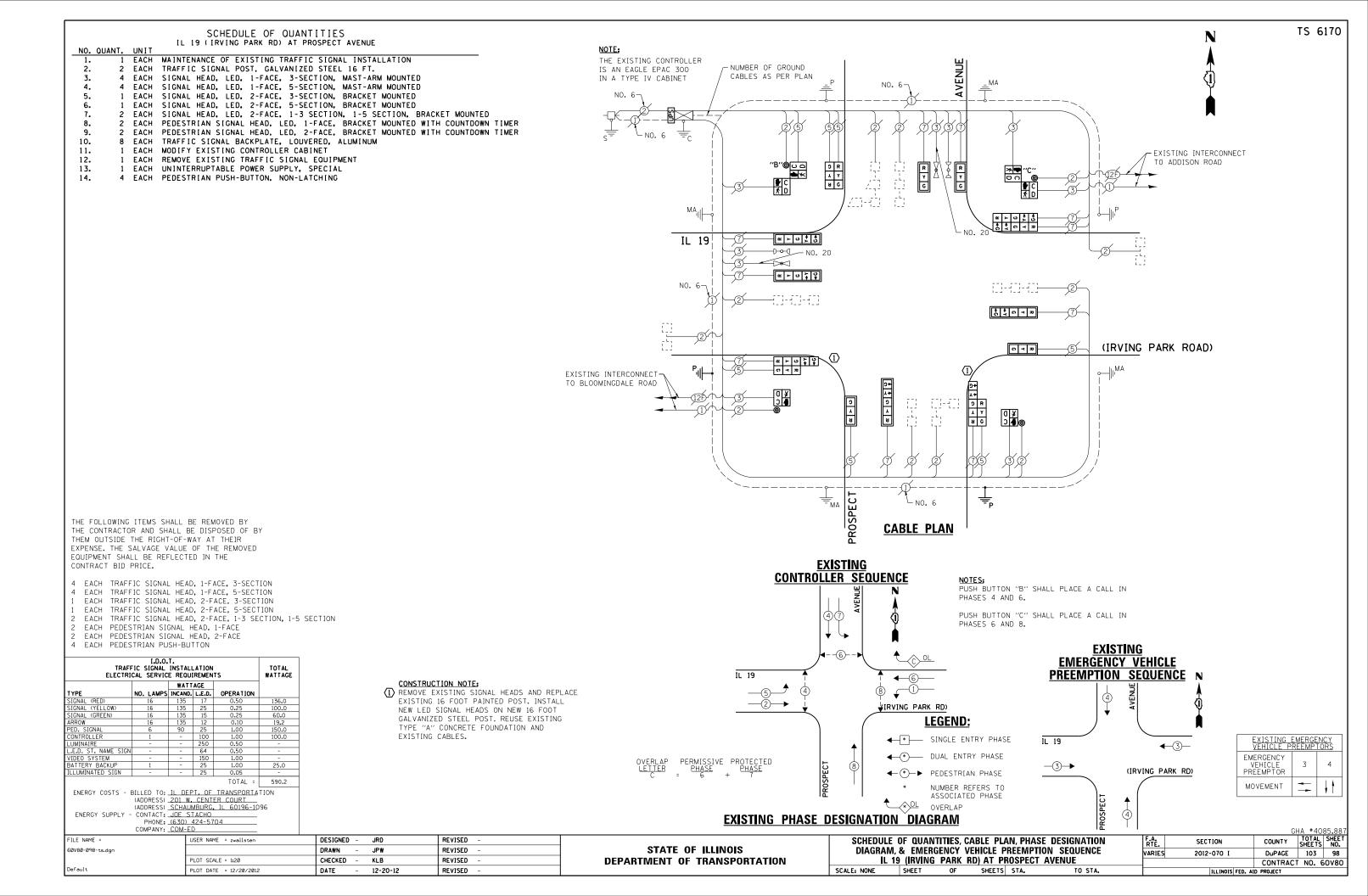
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

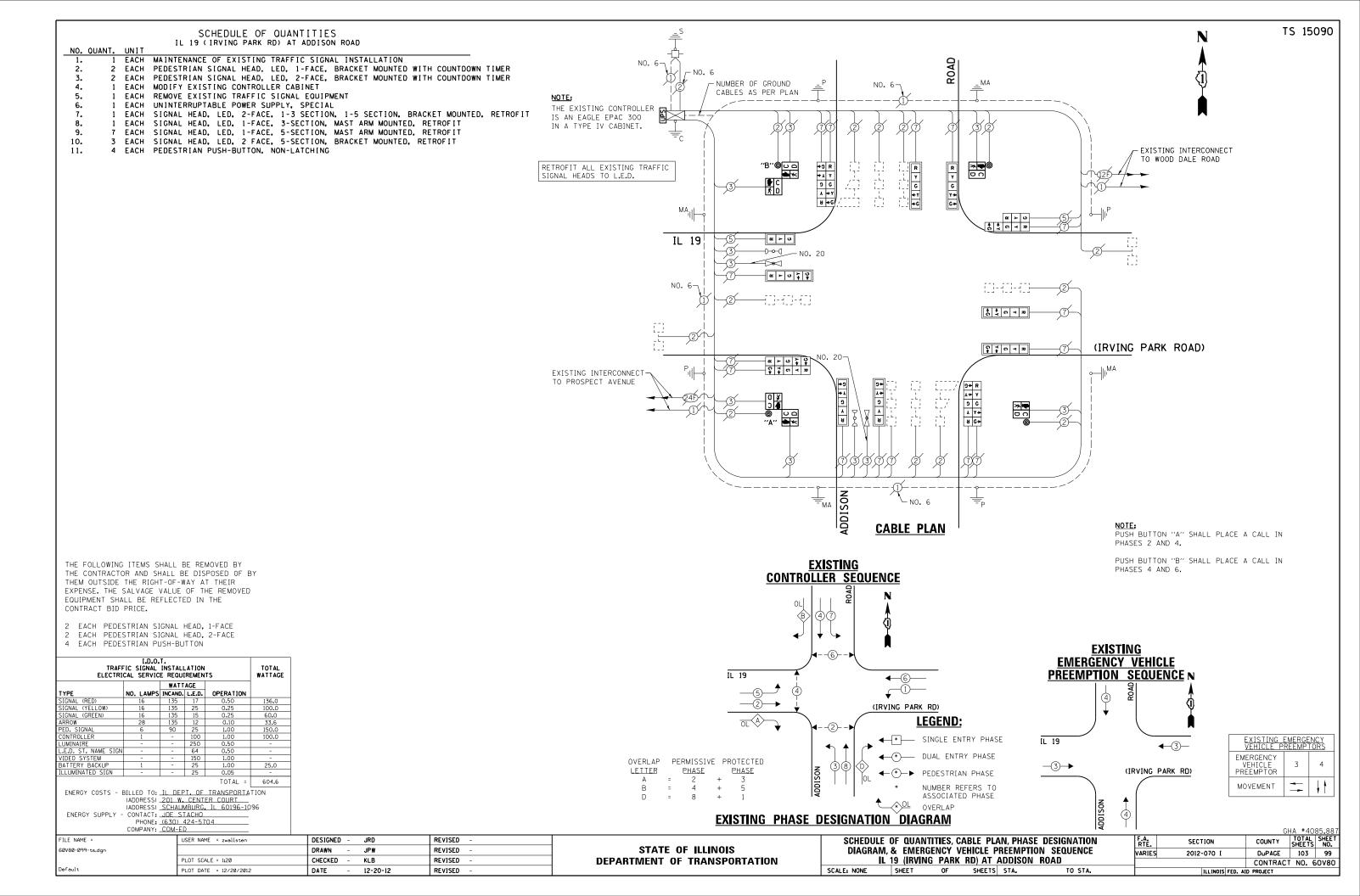
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE VARIES 2012-070 I IL 59 AT FOREST AVENUE SCALE: NONE OF SHEETS STA. ILLINOIS FED. AID PROJECT

DuPAGE 103 96

CONTRACT NO. 60V80







TS 15100

SCHEDULE OF QUANTITIES IL 19 (IRVING PARK RD) AT WOOD DALE ROAD

NO. QUANT. EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED 3. PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED 4. EACH MODIFY EXISTING CONTROLLER CABINET 5. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT UNINTERRUPTABLE POWER SUPPLY, SPECIAL SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT 8. SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT 10. SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT 2 EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT 11. 12. 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.

2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE 3 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE 5 EACH PEDESTRIAN PUSH-BUTTON

2 EACH ILLUMINATED SIGN

ENERGY COSTS - BILLED TO: <u>IL DEPT. OF TRANSPORTATION</u>
(ADDRESS) <u>201 W. CENTER COURT</u>
(ADDRESS) <u>SCHAUMBURG</u>, <u>IL 60196-1096</u>
ENERGY SUPPLY - CONTACT: <u>JOE STACHO</u>
PHONE: <u>(630) 424-5704</u>

NOTE: THE EXISTING LOCAL CONTROLLER ROAD IS AN EAGLE EPAC 300 AND THE EXISTING MASTER CONTROLLER IS AN EAGLE MARC 300, BOTH IN A TYPE V CABINET. NUMBER OF GROUND CABLES AS PER PLAN _ MA METRA -L, +R +Y +G R Y G R Y G RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D. MA_U| NO. 20 **↑ ↑** 0 ≺ **2** IL 19 - EXISTING INTERSECTION _ (C ≻ (C) AND SAMPLING (SYSTEM) DETECTORS D-o-☐ NO. 20 ~ ~ ° ~ ° > NO. 6-[]-[]-[]-**↑** ↑ ∩ ≺ ¬ EXISTING INTERSECTION-AND SAMPLING (SYSTEM) C ≺ 🋪 – DETECTORS (IRVING PARK RD) NO. 20-R R 9→ R ↓→ Y Ы→ G EXISTING INTERCONNECT TO ADDISON ROAD DAL WOOD

CABLE PLAN

COMPANY: <u>COM</u> -	·ED							VIIA	#4085.887
FILE NAME =	USER NAME = zwallsten	DESIGNED - JRD	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A. SEC	CTION		TAL SHEET EETS NO.
60V80-100-ts.dgn		DRAWN - JPW	REVISED -	STATE OF ILLINOIS	DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE	VARIES 201	2-070 I	DuPAGE 10	103 100
	PLOT SCALE = 1:20	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) AT WOOD DALE ROAD			CONTRACT NO	0. 60V80
Default	PLOT DATE = 12/20/2012	DATE - 12-20-12	REVISED -		SCALE: NONE SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID F		

EXISTING SEQUENCE OF OPERATIONS

MOVEMENT		5 —	- ↑ ↓	1	l			3		5	•		2 —	— 6 — →							7 	ı							3	↑ ↑							1 4	<u></u>							1 1	† ‡			
PHASE			1+5				1+6			2+5			2+	-6							3+7								3-	+8							4+7								4+	8			F H
INTERVAL	1		2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15A	15B	15C	15D	16A	16B	16C	16D	17A	17B	18	19	20A	20B	21A	21B	22	23 2	4A 2	24B	24C	24D	25A	25B	25C	25D	26	27	28A	28B 2	28C 2	.8D	
CHANGE TO		1	+6	2+5	2+6	θ/	θ/	2+6	θ/	θ/	2+6			3+ 4+ 4+	+8 +7			:	1+5 1+6 2+5 2+6 1+8	1		3	3+8	'	4	+7	θ/	θ/	1.	+5 +6 +5 +6	4+8	3	9/ 6		'	1+5 1+6 2+5 2+6			'	4+	8		/		'	1+5 1+6 2+5 2+6	i i		
IL. RTE. 19 (IRVING PARK RD.) END MAST ARM AND FAR LEFT SIGNALS	R			R ← G	R ← Y	R	R	R	G ↓ G	G ↓ G	G ← Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL. RTE. 19 (IRVING PARK RD.) FAR RIGHT SIGNALS	R		R	R	R	R	R	R	G	G	G	G	G	Υ	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL. RTE. 19 (IRVING PARK RD.) END MAST ARM AND FAR LEFT SIGNALS	R	G ₹		R ← Y	R ← Y	G ← G	G ← G	G ← Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL. RTE. 19 (IRVING PARK RD.) FAR RIGHT SIGNAL	R		R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
WOOD DALE ROAD (NORTH OF TRACKS) END MAST ARM AND NEAR LEFT SIGNALS	←R	+	R 4	⊢R	←R	+R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←Υ	←R	←R	←R	+Y	←R	←R	←R	←G	←G	←R	←R	←R	←R	← R	+R	← G ←	-G +	Υ 4	-R ◆	-R -	+R ◆	←Υ	←R	←R	←R	←R	←R	←R	+R +	+R +	R +	R
WOOD DALE ROAD (NORTH OF TRACKS) MID AND NEAR RIGHT SIGNALS	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	R
WOOD DALE ROAD (SOUTH OF TRACKS) END MAST ARM AND FAR LEFT SIGNALS	←R	+	R 4	⊢R	←R	+R	←R	←R	←R	←R	←R	←R	←R	←R	← R	←G	+G	←G	÷Υ	←R	+-G	←G	← Y	←R	←G	←G	←R	≁R	←R	←R	← R ·	+R	← G •	-G +	G +	-G ∢	-Y -	+R ◆	←G	←G	← Y	←R	←R	←R	←R	+R +	+R +	R +	R
WOOD DALE ROAD (SOUTH OF TRACKS) MID AND FAR RIGHT MAST ARM SIGNALS	R		R	R	R	R	R	R	R	R	R	R	R	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	G	G	G	G	G	G	G	G	Y	R	R
WOOD DALE ROAD N/B END MAST ARM AND FAR LEFT SIGNALS	←R	+	R 4	⊢R	←R	+R	←R	←R	≁R	←R	≁R	←R	←R	←R	←R	≁G	+Υ	←R	←R	←R	+G	←G	←G	←G	←Υ	←R	←G	←G	← Y	←R	4 γ ·	- R	+R •	-R 	R +	-R ∢	-R -	+R •	←R	←R	←R	←R	← R	+R	←R	+R +	+R +	·R +	R
WOOD DALE ROAD MID & FAR RT MAST ARM AND NEAR RT SIGNALS	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	R	R	R
PEDESTRIAN SIGNAL CROSSING WOOD DALE ROAD ON NORTHSIDE OF IL. RTE. 19	н		н	н	н	* P	**FH	н	н	н	н	* P	**FH	н	Н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	Н	н	н	н ол	ARK
PEDESTRIAN SIGNAL CROSSING WOOD DALE ROAD ON SOUTH SIDE OF IL. RTE. 19	н		н	н	н	н	н	н	* P	**FH	н	* P	**FH	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	H	н	н	н	н	н	н	н	н	н ол	ARK
PEDESTRIAN SIGNAL CROSSING IL. RTE. 19 ON EAST SIDE OF WOOD DALE ROAD	н		н	н	Н	н	Н	н	Н	Н	Н	н	Н	н	Н	н	н	H	н	н	н	н	Н	н	н	н	* P	**FH	н	Ĥ	н	н	н	н	н	н	н	н	Ħ	Н	н	н	* P	**FH	Н	Н	Н	н ол	ARK
PEDESTRIAN SIGNALS CROSSING IL. RTE. 19 ON WESTSIDE OF WOOD DALE ROAD	н		н	н	н	н	н	н	н	н	н	н	н	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	н	н	* P	**FH	н	н	н	н ол	ARK
IL RTE 19 (IRVING PARK RD)(EAST SIDE OF TRACK3) FLASHING BEACONS	FL Y	. F	L Y	FL	FL Y	DARI	KDARK	DARK	FL Y	FL Y	FL Y	DARK	DARK	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL	FL Y	FL Y		FL Y	FL Y Y	FL	FL Y	FL Y		FL Y	FL Y	FL		FL Y	FL Y	FL Y		FL Y	FL Y	FL Y	FL F	-L \	E.

NOTE: PHASE 2 AND 6 SHALL BE ON RECALL

* TO APPEAR ONLY UPON PUSH BUTTON ACTUATION

** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

O THIS PERSON (P) OR FLASHING HAND INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT

THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE PERSON (P) OR

FLASHING HAND INTERVALS

P = PERSON
FH = FLASHING HAND INTERVAL
H = HAND
FL Y = FLASHING YELLOW

FOR INFORMATION ONLY

									GHA	IA #4085.8	
FILE NAM	1E =	USER NAME = zwallsten	DESIGNED - DBP	REVISED -		EXISTING SEQUENCE OF OPERATIONS	F.A.	SECTION	COUNTY	TOTAL SHE	ĒΤ
60V80-10	ll-ts.dgn		DRAWN - ZCW	REVISED -	STATE OF ILLINOIS		VARIES	2012-070 I	DuPAGE	103 10)1
		PLOT SCALE = 1:20	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION	IL 19 (IRVING PARK RD) AT WOOD DALE ROAD			CONTRACT	NO. 60V	80
Default		PLOT DATE = 12/20/2012	DATE - 12-20-12	REVISED -	1	SCALE: NONE SHEET OF SHEETS STA. TO STA.		ILL INDIS EED AID			-

EXISTING RAILROAD PREEMI	PTION	SEQL	JENC	E OF (OPER.	ATION	I										17. E300017-Sec. Mills	MPTOR BER 3	PREEM NUM	MPTOR BER 4		MPTOR IBER 5	PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPER INTERVAL NUMBER	RATIONS	1	3	5		8	1	1	1	4	1	8	2	22	2	26											
CHANGE FROM EMERGENCY VEHICLE PREEMPTIONSEQUENCE OF OPERATION INTE NUMBER	RVAL																:	2	,	3		4					
RAILROAD PREEMPTION INTERVAL		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	15	1T	1U	1V	1W	2	3	4	5	CLEAR TO
CHANGE TO		Z	1C	2	1E	2	1G	2	1J	2	1L	2	1N	2	10	2	15	2	1U	2	1W	2	3	4	5		SEQUENCE
IL. RTE. 19 (IRVING PARK RD END MAST ARM AND FAR LEFT SIGNALS	E/B	R ← Y	R	R	Y	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	
IL. RTE. 19 (IRVING PARK RD.) FAR RIGHT SIGNAL	E/B	R	R	R	Y	R	Υ	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	\triangle
IL. RTE. 19 (IRVING PARK RD.) END MAST ARM AND FAR LEFT SIGNALS	W/B	R ← Y	Υ	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	←G	
IL. RTE. 19 (IRVING PARK RD.) FAR RIGHT SIGNAL	W/B	R	Υ	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	G	\triangle
WOOD DALE ROAD (NORTH OF TRACKS) END MAST ARM AND NEAR LEFT SIGNALS	S/B	← R	←R	≁R	←R	≁R	←R	←R	← Y	←R	≁R	←R	←Υ	←R	←R	←R	≁R	←R	←Υ	←R	←R	←R	←R	←R	←R	←R	
WOOD DALE ROAD (NORTH OF TRACKS) MID AND NEAR RIGHT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	Υ	R	Y	R	R	R	Υ	R	R	R	R	R	R	R	\triangle
WOOD DALE ROAD (SOUTH OF TRACKS) END MAST ARM AND FAR LEFT SIGNALS	S/B	←R	←R	←R	←R	←R	←R	←R	←G	←G	←R	←R	←G	←G	←R	←R	←R	←R	+G	←G	≁R	←R	←G	←Υ	←R	←R	
WOOD DALE ROAD (SOUTH OF TRACKS) MID AND FAR RIGHT MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	R	R	G	G	R	R	G	Υ	R	R	\triangle
WOOD DALE ROAD END MAST ARM AND FAR LEFT SIGNALS	N/B	←R	←R	≁R	←R	←R	≁R	←R	← Y	←R	← Y	←R	←R	←R	←R	←R	≁R	←R	≁R	←R	←Υ	←R	←R	←R	←R	←R	\triangle
WOOD DALE ROAD MID AND FAR RIGHT MAST ARM AND NEAR RT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	Υ	R	R	R	R	R	Υ	R	R	R	R	R	\triangle
PEDESTRIAN SIGNAL CROSSING WOOD DALE ROAD ON NORTHSIDE OF IL. RTE. 19		Н	FH	н	н	н	FH	н	н	н	н	н	н	н	н	н	н	н	н	н	Н	н	н	н	н	н	\triangle
PEDESTRIAN SIGNAL CROSSING WOOD DALE ROAD ON SOUTH SIDE OF IL. RTE. 19		Н	Н	н	FH	Н	FH	н	н	н	н	н	Н	н	Н	Н	н	н	н	н	н	н	н	н	н	н	\triangle
PEDESTRIAN SIGNAL CROSSING IL. RTE. 19 ON EAST SIDE OF WOOD DALE ROAD		Н	н	Н	н	Н	н	Н	Н	н	FH	н	н	Н	FH	Н	Н	н	н	Н	н	н	н	н	н	н	\triangle
PEDESTRIAN SIGNAL CROSSING IL. RTE. 19 ON WEST SIDE OF WOOD DALE ROAD		Н	н	н	н	Н	н	н	Н	н	Н	н	FH	н	FH	Н	Н	н	н	н	Н	н	н	н	н	н	\triangle
INTERNALLY ILLUMINATED NO LEFT TURN SIGNS		NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	
IL RTE 19 (IRVING PARK RD) (EAST SIDE OF TRACKS) FLASHING BEACONS	W/B	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	\triangle
RAILROAD PREEMPTION IS TO OVERRIDE T	HE EMER	GENCY	VEHICLE	SYSTE	M																		•			HOLD	

A 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 PREEMPTION INTERVAL 5 IS TERMINATED.

NRT = "NO RIGHT TURN" OR

FLH = FLASHING "DON'T WALK"

NLT = "NO LEFT TURN" OR

H = "DON'T WALK"

FOR INFORMATION ONLY

														Gt	HA #4085.887
FILE NAME	E =	USER NAME = zwallsten	DESIGNED - DPB	REVISED -		FXIST	ING RAILBO	AN PRFFI	MPTION	SEQUENCI	E OF OPERATION	F.A.	SECTION		TOTAL SHEET SHEETS NO.
60V80-102	2-ts.dgn		DRAWN - ZCW	REVISED -	STATE OF ILLINOIS							VARIES	2012-070 I	DuPAGE	103 102
		PLOT SCALE = 1:20	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION		IL 19 (IRVII	NG PARK	KD) AT	אט טטטאי	ALE KUAD				T NO. 60V80
Default		PLOT DATE = 12/20/2012	DATE - 12-20-12	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FE	D. AID PROJECT	

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																		_																				_												PREEMPTOR NUMBER 4		
HANGE FROM NORMAL SEQUENCE OF PERATIONS INTERVAL NUMBER		1	5			5			8		8		11		11				14		1	4		14	1			18	1	18		22	2		2	2		26				26				26						CLEA
MERGENCY VEHICLE PREEMPTION SEQUENCE PERATION INTERVAL NUMBER	OF	1A	1B	1C	1D	1E	1F	1G	1Н	1J	1K	1L	1M	1N	1P	1Q	1R	15	1T	10	1V	1W	1X	1Y	1Z	1AA	1BB	1CC 1	DD 11	EE 1	FF 10	GG 1HI	H 1JJ	J 1KH	(11	LL 1N	IM 1	NN 1P	1Q0	1RF	188	s ITT	100	100	1WW	1XX	1YY	1ZZ	2	3	4	SEQU
HANGE TO EMERGENCY VEHICLE REEMPTION SEQUENCE OF OPERATION ITERVAL NUMBER		2, 3, 0R 4	1C	2	1E	1F	3 OR 4	1H	2	1К	. 1L	. 3 OF	2	1P	1Q	3 OR 4	18	1T	10	2	1W	3	1Y	1Z	1AA	4	1CC	1DD 20	OR3	4 1	GG 1	нн 1Ј.	J 1KP	K 2 OR	:4	3 1N	IN 1	PP 1Q	1RF	₹ 2	111	T 100	3	1WW	1XX	1YY	1ZZ	4				<
RTE. 19 (IRVING PARK RD) ND MAST ARM AND FAR LEFT SIGNALS	/B F	- Y	R	R	R	R	R	G + G	G + Y	/ G	g Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R I	RR	R	R	F	R F	₹	R R	R	R	R	R	R	R	R	R	R	R	G	R	R	<
RTE. 19 (IRVING PARK RD.) AR RIGHT SIGNAL	/B	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R R	R	R	F	R F	2	R R	R	R	R	R	R	R	R	R	R	R	G	R	R	<
RTE. 19 (IRVING PARK RD.) ND MAST ARM AND FAR LEFT SIGNALS	//B F	۲ .	G (3 ⊢ Y -	G ← G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R I	R R	R	R	F	R F	2	R R	R	R	R	R	R	R	R	R	R	R	G	R	R	<
. RTE. 19 (IRVING PARK RD.) AR RIGHT SIGNAL	//B	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R I	R R	R	R	F	R F	2	R R	R	R	R	R	R	R	R	R	R	R	G	R	R	\ \ \
OOD DALE ROAD (NORTH OF TRACKS) ND MAST ARM AND NEAR LEFT SIGNALS	/B +	R +	R +	R +	-R ◆	⊢R	← R	←R	←R	←R	←R	← R	◆R	← R	←R	←R	← Y	← R	← R	←R	← G	← G	← Y	←R	← R	← R	← R -	+R ←	R +	R ←	G ←	Y ←R	← R	← R	+ (3 ← F	₹ +	R ←R	← R	← R	←R	◆R	+-R	← R	← R	← R	←R	←R	← R	← G	← R	\ \ \
OOD DALE ROAD (NORTH OF TRACKS) IID AND NEAR RIGHT SIGNALS	/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y R	R	R	(3 (3	Y R	R	R	G	G	G	G	Y	R	R	R	R	G	R	(
WOOD DALE ROAD (SOUTH OF TRACKS) END MAST ARM AND FAR LEFT SIGNALS	/B +	R +	R 4	R +	-R ◆	⊢R	← R	←R	←R	←R	←R	←R	←R	+ R	←R	←R	← G	← G	← Y	←R	← G	←G	← G	← G	← Y	+R	← R -	+R ←	R ←	R ←	G ←	G ←G	← Y	← R	+ (3 ← F	₹ 4-	R ←R	← R	←R	←R	◆R	←R	← R	← R	← R	←R	←R	← R	← G	← R	<
WOOD DALE ROAD (SOUTH OF TRACKS) IID AND FAR RIGHT MAST ARM SIGNALS	/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G (G G	Y	R	(3 (3	G G	Y	R	G	G	G	G	G	G	Y	R	R	G	R	<
VOOD DALE ROAD IND MAST ARM AND FAR LEFT SIGNALS	/B +	R +	R +	R +	-R ◆	⊢R	←R	←R	←R	←R	←R	←R	←R	← R	←R	←R	← Y	← R	←R	←R	← Y	←R	← G	← G	← G	← G	← G •	- Y ←	R ←	G ←	R ←	R ←R	← R	← R	+ F	₹ + F	₹ +	R ←R	← R	←R	←R	◆R	← R	←R	← R	← R	+R	←R	← R	≠ R	← G	<
OOD DALE ROAD ID AND FAR RIGHT MAST ARM AND NEAR N T SIGNALS	/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R I	R R	R	R	F	٦ (3	Y R	R	R	G	Y	R	G	G	G	G	G	R	R	G	<
EDESTRIAN SIGNAL CROSSING WOOD DALE OAD ON NORTH SIDE OF IL. RTE. 19		н	FH	FH	FH	н	н	Н	н	н	н	н	EH	FH	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н н	н	н	-	1 1	4	н .н	н	н	н	н	н	н	н	н	н	н	н	н	н	<
EDESTRIAN SIGNAL CROSSING WOOD DALE OAD ON SOUTH SIDE OF IL. RTE. 19		н	н	н	н	н	н	н	FH	FH	н	н	FH	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н	н н	н	н	ŀ	1 1	1	н н	н	н	н	н	н	Н	н	н	н	н	Н	н	н	<
EDESTRIAN SIGNAL CROSSING IL. RTE. 19 N EAST SIDE OF WOOD DALE ROAD		н	н	н	н	н	Н	Н	н	н	н	н	н	н	Н	н	Н	Н	н	н	н	н	н	н	н	н	FH	H	н г	FH	н	н н	н	н	1	H FI	н	н н	н	н	FH	н	н	FH	н	н	н	н	Н	Н	Н	<
EDESTRIAN SIGNAL CROSSING IL. RTE. 19 N WEST SIDE OF WOOD DALE ROAD		н	Н	н	н	н	н	н	н	н	н	н	н	н	н	Н	Н	Н	Н	н	н	н	н	н	Н	н	н	н	н	н	H I	н н	н	н	F	H FI	н	н н	н	н	FH	Н	н	FH	н	н	н	н	Н	н	Н	<
RTE 19 (IRVING PARK RD) (EAST SIDE OF RACKS) FLASHING BEACONS	//B	FL D	ARK D	ARK D	ARK	ΓL	ΓL	ΓL	FL	. FL		- FL	DARI	K DARI	K FL	FL	FL	ΓL	ΓL V	ΓL	ΓL V	ΓL	FL	FL	FL	FL	FL	FL I	L F	FL	FL F	FL FL		- FL	. F	L F		FL FL		. FL	ΓL		FL	FL	ΓL	ΓL V	Lr.	ΓL	DARK	FL	FL	

A 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 PREEMPTION INTERVAL 5 IS TERMINATED.

NRT = "NO RIGHT TURN" OR FH = FLASHING "HAND"

NLT = "NO LEFT TURN" OR H = "HAND"

FOR INFORMATION ONLY

														HA #40	85.887
FILE NAME =	USER NAME = zwallsten	DESIGNED - DPB	REVISED -		FXISTING F	MERGENCY	VEHICI E	PRFFMP	TION SEO	LUENCE OF OPERATION	F.A. RTF.	SECTION	COUNTY	TOTAL	SHEET NO.
60V80-103-ts.dgn		DRAWN - ZCW	REVISED -	STATE OF ILLINOIS	LXIOTING L						VARIES	2012-070 I	DuPAGE	103	103
	PLOT SCALE = 1:20	CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION		IL 19 (IKVII	NG PAKK	KD) AT	WUUUD DA	ALE ROAD			CONTRACT	T NO. 6	0V80
Default	PLOT DATE = 12/20/2012	DATE - 12-20-12	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.			