FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FAP 10 /FAP 304 /FAP 2 IL 111 /US 067 /IL 143 **FUNCTIONAL CLASSIFICATION:** OTHER PRINCIPAL ARTERIAL POSTED SPEED LIMIT = 40 MPH 2019 ADT = 20,500 (ACTUAL) SU = 4.0%MU = 1.8%

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STATE OF ILLINOIS 06-11-202 LETTING ITEM 071

(261,406) TS-1 MADISON 29 1 ILLINOIS CONTRACT NO. 76P33

D-98-040-21

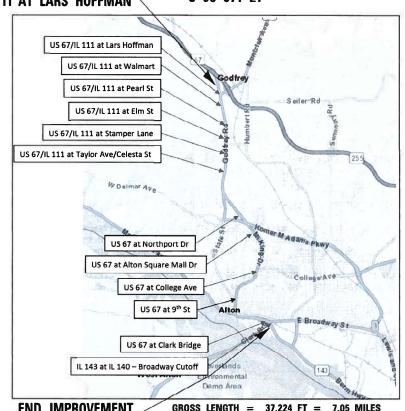
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

VARIOUS (FAP 10 /FAP 304 /FAP 2) **SECTION** (261,406)TS-1 PROJECT HSIP-WNI5(285) TRAFFIC SIGNAL MODERNIZATION **MADISON COUNTY**



C-98-071-21



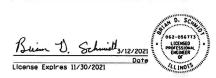
END IMPROVEMENT
IL 143 AT IL 140 – BROADWAY CUTOFF

GROSS LENGTH = 37,224 FT = 7.05 MILES NET LENGTH = 37,224 FT = 7.05 MILES











AMES Engineering, Inc.

6330 Belmont Road, Suite 4B

Downers Grove, IL 60515



CONSULTING ENGINEERS



STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** May 7, 20

LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - MS



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 EXCAVATORS 1-800-892-0123

PROJECT ENGINEER: HERVE GELIN (618) 346-3179 PROJECT MANAGER: MICHAEL PRESTON (618) 346-3143

CONTRACT NO. 76P33









INDEX OF SHEETS

- 1 COVER SHEET
- GENERAL NOTES
- S SUMMARY OF QUANTITIES
- 4-5 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT LARS HOFFMAN
- 6-7 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT WALMART
- 8-9 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT PEARL STREET
- 10-11 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT ELM STREET
- 12-13 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT STAMPER LANE
- 14-15 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT TAYLOR AVE/CELESTE ST
- 16-17 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT NORTHPORT DRIVE
- 18-19 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT ALTON SQUARE MALL DRIVE
- 20-21 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT COLLEGE AVENUE
- 22-23 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT 9TH STREET
- 24-25 TRAFFIC SIGNAL DETAILS
 US RTE 67 AT IL RTE 143
- 26-27 TRAFFIC SIGNAL DETAILS
 IL RTE 143 AT IL RTE 140 BROADWAY CUTOFF
- 28-29 SOIL BORING LOGS

ELECTRICAL GENERAL NOTES:

- 1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL
 HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS,
 AND BASES SHALL BE UNPAINTED ALUMINUM, ALL BOLTS, SCREWS,
 NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE
 COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD
 CONNECTIONS.
- 2. BACKPLATES SHALL BE ABS PLASTIC.
- 3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. (EXCEPT AT NORTHPORT DRIVE), MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.
- 4. ALL TRAFFIC CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 5. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- 6. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 873.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- 7. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATION. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE ITS OWN FACILITIES (SUCH AS UNDERGROUND CONDUIT AND/OR CABLE FOR TRAFFIC SIGNALS OR HIGHWAY LIGHTING). THE APPLICANT, AT HIS/HER OWN EXPENSE, MUST OBTAIN THE SERVICES OF A QUALIFIED ELECTRICAL CONTRACTOR TO LOCATE SUCH STATE-OWNED FACILITIES.

THE KNOWN UTILITIES IN THE AREA ARE:

AMEREN ILLINOIS
AT&T
CHARTER COMMUNICATIONS
GODFREY WATER & SANITARY
ALTON WATER & SANITARY
USIC
WANRACK, LLC
WOOD RIVER DRAINAGE AND LEVEE DISTRICT

- 3. CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATION FOR THE ROAD AND BRIDGE CONSTRUCTION.
- A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS, THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEM.

HIGHWAY STANDARDS

701001-02 701006-05	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY OFF-RD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701011-04 701106-02 701301-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY LANE CLOSURE, 2L, 2W. SHORT TIME OPERATIONS
701501-06 701601-09	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSIBLE MEDIAN
701701-10 701801-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08 720001-01	TRAFFIC CONTROL DEVICES SIGN PANEL MOUNTING DETAILS
857001-01 862001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES UNINTERRUPTABLE POWER SUPPLY (UPS)
877001-08 878001-11	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' CONCRETE FOUNDATION DETAILS
880006-01 701101-05	TRAFFIC SIGNAL MOUNTING DETAILS OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5M) TO 24"(600MM) FROM PAVEMENT EDGE

TRAFFIC SIGNALS LEGEND

REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT POLYVINYL CHLORIDE CONDUIT GALVANIZED STEEL CONDUIT EXISTING TRAFFIC SIGNAL MAST ARM EXISTING SIGNAL HEAD WITH BACKPLATE EXISTING HANDHOLE MEXISTING DOUBLE HANDHOLE EXISTING DETECTOR LOOP \boxtimes EXISTING CONTROLLER EXISTING STREET NAME SIGN/TRAFFIC SIGN EXISTING SERVICE INSTALLATION EXISTING CONDUIT EXISTING SIGNAL POST PROPOSED TRAFFIC SIGNAL MAST ARM PROPOSED SIGNAL HEAD WITH BACKPLATE PROPOSED HANDHOLE PROPOSED DOUBLE HANDHOLE PROPOSED DETECTOR LOOP PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED *f* PROPOSED CONTROLLER WITH BATTERY BACKUP V■ PROPOSED VIDEO CAMERA PROPOSED SIGNAL POST PROPOSED SERVICE INSTALLATION PROPOSED VIDEO DETECTION ZONE

REV. - MS

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = Srahman	DESIGNED - TM	REVISED -
	DRAWN - TM	REVISED -
PLOT SCALE = 40.0000 '/ 10.	CHECKED - AS	REVISED -
PLOT DATE = 3/9/2021	DATE - 03-12-2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	051	IERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTA SHEET	L SHEET S NO.	
	10	(261,406) TS-1	MADISON	29	2			
,		,			CONTRACT	NO.	76P33	
SCALE: N.T.S. SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	NID PROJECT		

				CONSTRUCTION CO				
	SUMMARY OF QUANTITIE	5		90% FED				
	JUMINANT OF QUANTITIE	\mathcal{I}		10% STATE				
				TRAFFIC SIGNALS				
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	0021				
0052	112 5200111 11011	0.111	QTY.					
				URBAN				
67100100		L SUM	1	1				
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1 30	1 30				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
70102630		L SUM	1	1				
66901006		CAL DAY	8	8				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
66901003		L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1	1				
66900105 72000100		SQ FT	375	375				
								
		EACH	6	6				
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	54.5	54.5				
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	95.5	95.5				
		i						
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	42	42				
12400120	RELOCATE SIGN FANEL - TIPE 2	J	1 72	72				
				<u> </u>				
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	549	549				
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	12	12				
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	9	9				
03100200	TOLE ACTORIES CONTINUED AND THE TV CASTNET	LAGII	-					
05700700	FULL ACTUATED CONTROLLED AND TYPE V CARLINET	FACU	1	1				
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1	1				
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	828	828				
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6, 785	6, 785				
0.001110	The state of the s		-,	-,				
07701355	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6,928	6, 928				
87301233	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FUU1	0, 320	6, 520				
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	2	2				
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	4	4				
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2	2				
81100240	SIEEL MASI ARM ASSEMBLI AND FULE, 40 FT.	LACH		2				
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1				
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	3	3				
		i	Ì					
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	3	3				
31100210	O'LEE WIND: NIW NOOLWEL! NID ! OLL; 10 ! !.	LACII		<u>. </u>				
0770005		F 4 61:						
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	1				
87702985	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2	2				
	37700310 STEEL MAST ARM ASSEMBLY AND POLE, 54 FT. EACH 1							
87700310								
350510	1 0.111 m.c. rom 1002mb21 mb 1022, 01111		· ·	1				
87702728	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS.	+	<u> </u>	1				
01102128	·	F	١.					
i	48 FT. AND 36 FT.	EACH	1	1				

*	SPECIALTY ITEM
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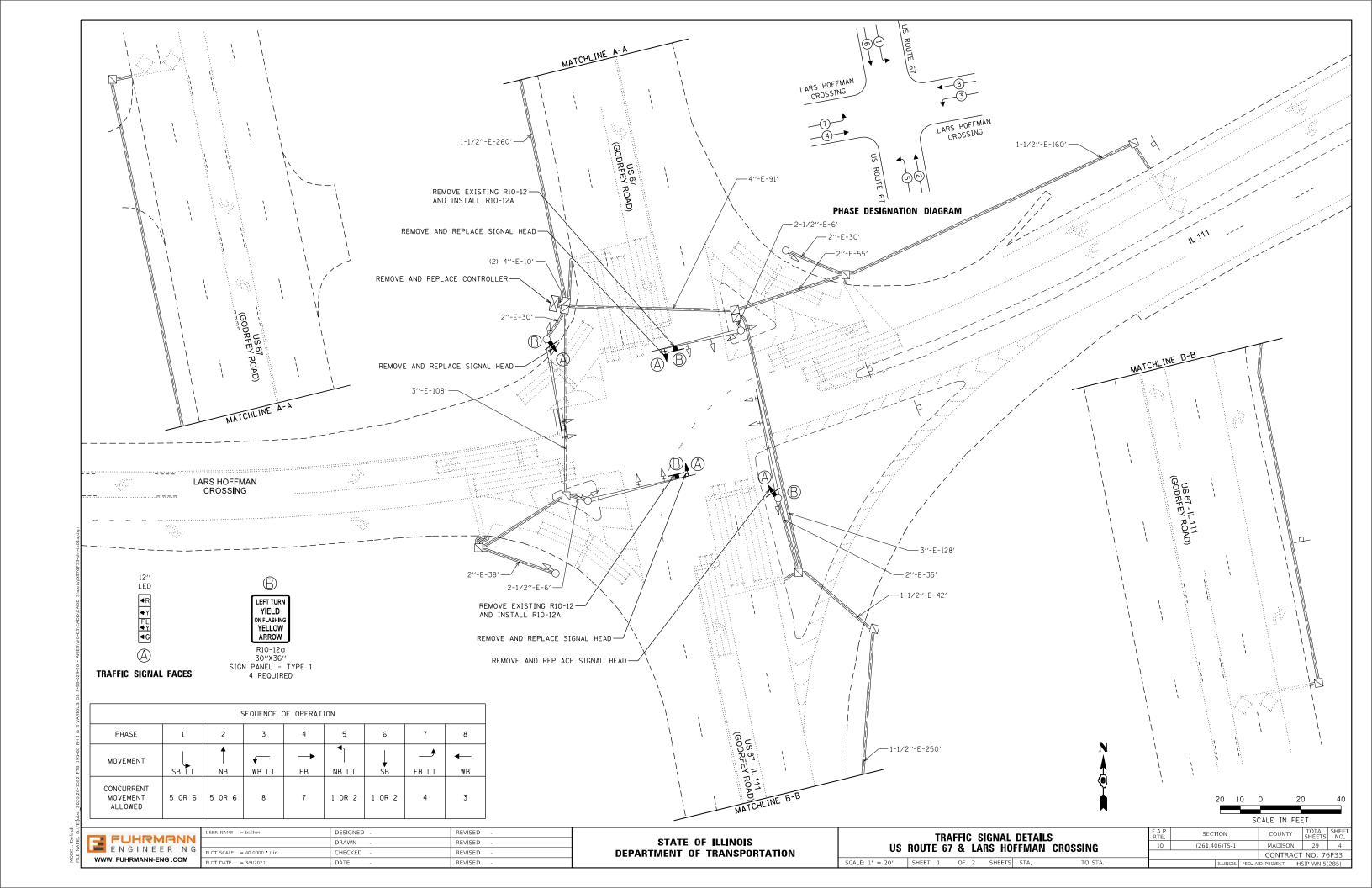
				CONSTRUCTION CODE
	SUMMARY OF QUANTITIES		-	90% FED
	JUMMANT OF QUANTITIES)		10% STATE
				TRAFFIC SIGNALS
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	0021
			QTY.	URBAN
87800100	CONCRETE FOUNDATION. TYPE A	FOOT	4	4
	·			_
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	239	239
87900200	DRILL EXISTING HANDHOLE	EACH	19	19
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11	11
2224244	CIONAL UE LO DOLVOLDRONATE LEO A FLOE A CEOTION DRIONET NOUNTED	F 4 0 1 1		
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	25	25
00040130	CICNAL HEAD BOLVCADBONATE LED 1 FACE 4 CECTION MACT ADM MOUNTED	FACIL	25	25
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	25	
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED		1	
00102025	WITH COUNTDOWN TIMER	EACH	20	20
	WITH COUNTDOWN TIMER	EACH	20	20
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED. 2-FACE, BRACKET MOUNTED		<u> </u>	
00102013	WITH COUNTDOWN TIMER	EACH	5	5
	WITH COUNTDOWN TIMEN	LACII		
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	36	36
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	42	42
				_
89500400	RELOCATE EXISTING PEDESTRIAN PUSHBUTTON	EACH	8	8
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12, 168	12, 168
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	930	930
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8	8
00502705	DEHOVE EVICTING CONCRETE FOUNDATION	FACU	1.7	17
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	17	17
X8570010	CONTROLLER, TRAFFIC SIGNAL	EACH	2	2
X8570010	CONTROLLER, TRAFFIC SIGNAL	EACH	<u>2</u> 	2
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2	2
7.0020200	GATALLANDI LABEL TOWER SOLILLY STEDIAL	LACII	-	
X8950060	REMOVE EXISTING CONTROLLER	EACH	2	2
X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	10	10
		-		
X8950300	REMOVE EXISTING SIGNAL HEAD AND POST	EACH	50	50
Z0076600	TRAINEES	HOUR	500	500
X8950301	REMOVE EXISTING TRAFFIC SIGNAL POST	EACH	1	1
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	28	28

Ø 0042

								• • • •	•10
					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET:	SHEET S NO.
SUMMARY OF QUANTITIES					10	(261,406) TS-1	MADISON	29	3
							CONTRACT	NO.	76P33
SHEET	OF	SHEETS (STA.	TO STA.		(ILLINOIS FED.	AID PROJECT		

REV. - MS

AMES Engineering, Inc.	USER NAME = \$USER\$	DESIGNED - TM	REVISED -							
CONSULTING ENGINEERS	DRAWN - TM REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES							
6330 Belmont Road, Suite 4B	PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -	DEPARTMENT OF TRANSPORTATION						
Downers Grove, IL 60516	PLOT DATE = \$DATE\$	DATE - 03-12-2021	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



PROPOSED ELECTRIC CABLE IN CONDUIT EXISTING ELECTRIC CABLE IN CONDUIT

2/C INDICATES NUMBER OF CONDUCTORS IN CABLE -

EXISTING SERVICE INSTALLATION

1 PROPOSED BATTERY BACKUP EXISTING VIDEO DETECTION ZONE

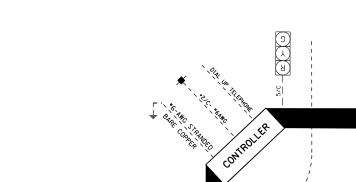
 $\overline{\mathbb{V}}$ EXISTING VIDEO CAMERA #6

INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

CALL CARRY OVER LOOP (SIZE AS SHOWN)

CALL DELAY LOOP (SIZE AS SHOWN) _ 1 = 6 × 30 = 1

cco



LARS HOFFMAN CROSSING

_⁵/<u>C</u> _ (R) > (O) (▼)

4R **4**Y **F**L **4**Y **4**G

US 67 (GODRFEY ROAD)

3·X50· - 7 S LD-IN .

IL 111

C.C.O.

CD (1 - - - - 6 / X 50 - - - - 7 S - LD-IN -CD 1 - - - - 2 - X 2 0 - - - 1 2 - TD-IN

5/C-

S f = = = 67 × 502 = = = - f co • £ = = = 6 x 50 = = = = 1 co

US 67 - IL 111 (GODRFEY ROAD)

--

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
REMOVE SIGN PANEL - TYPE 1	SQ FT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	786
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	786
REMOVE EXISTING CONTROLLER	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	4
CONTROLLER, TRAFFIC SIGNAL	EACH	1

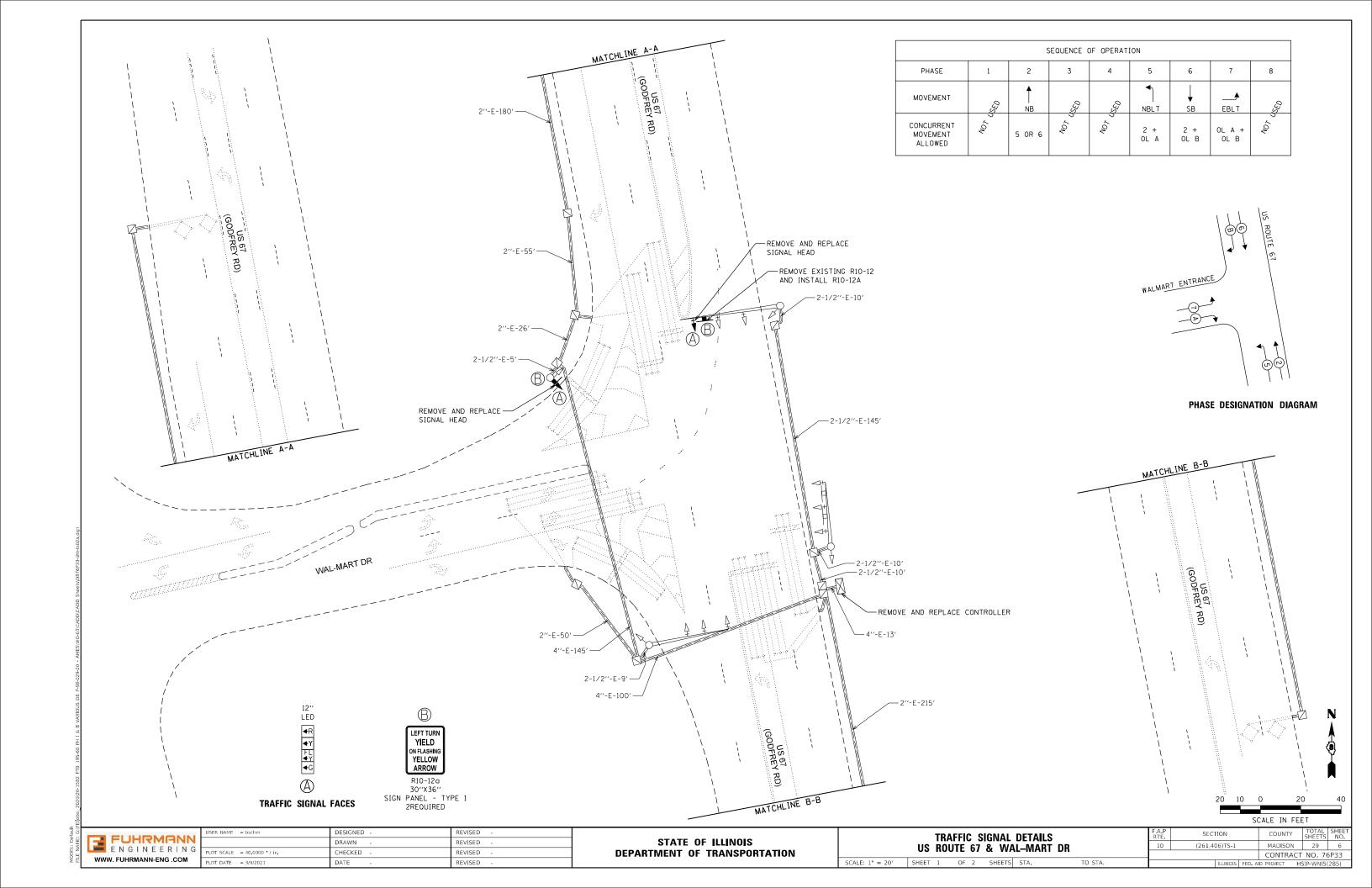
FUHRMANN ENGINEERING WWW. FUHRMANN-ENG .COM

USER NAME = bschm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/9/2021	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL DETAILS US ROUTE 67 & LARS HOFFMAN CROSSING								
SCALE: NTS		SHEET	2	OF	2	SHEETS	STA.	TO STA.

F.A.P RTE	SECT	ПОИ		COUNTY	′	TOTAL SHEETS	SHEET NO.
10	(261,40	06)TS-1		MADISO	N	29	5
				CONTRA	λCT	NO. 76	5P33
		TELINOIS	D PROJECT	H	SIP-W/NII5	2851	



PROPOSED ELECTRIC CABLE IN CONDUIT

---- EXISTING ELECTRIC CABLE IN CONDUIT

1

 $\overline{\mathbb{V}}$

#6

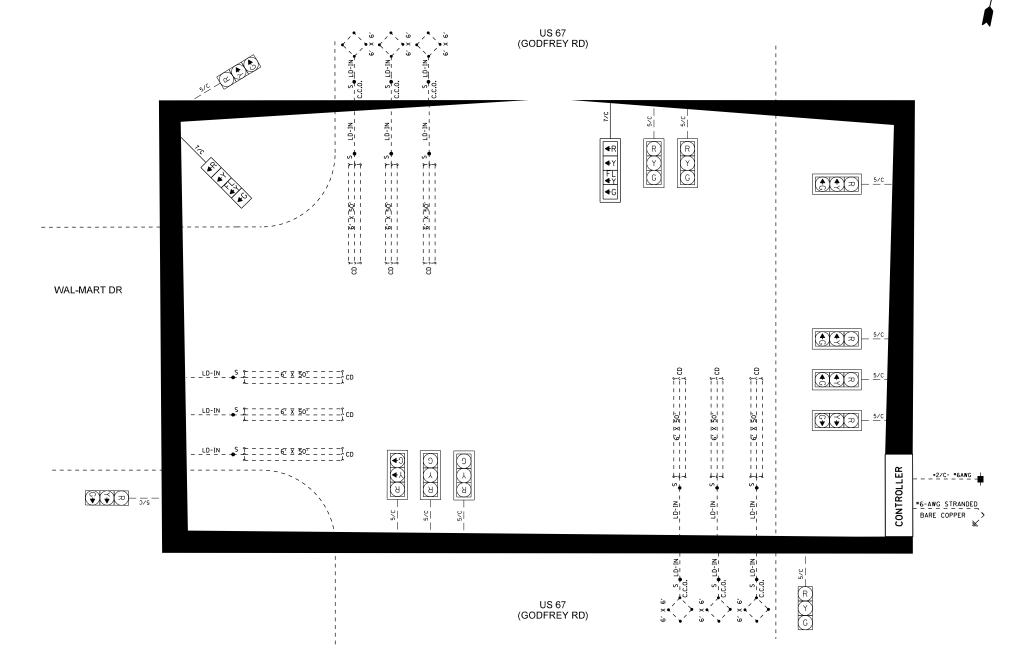
PROPOSED BATTERY BACKUP

EXISTING VIDEO DETECTION ZONE
EXISTING VIDEO CAMERA

INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

CD CALL DELAY LOOP (SIZE AS SHOWN)

CCO
--CALL CARRY OVER LOOP (SIZE AS SHOWN)



SCALE: NTS

SCHEDULE OF QUANTITIES

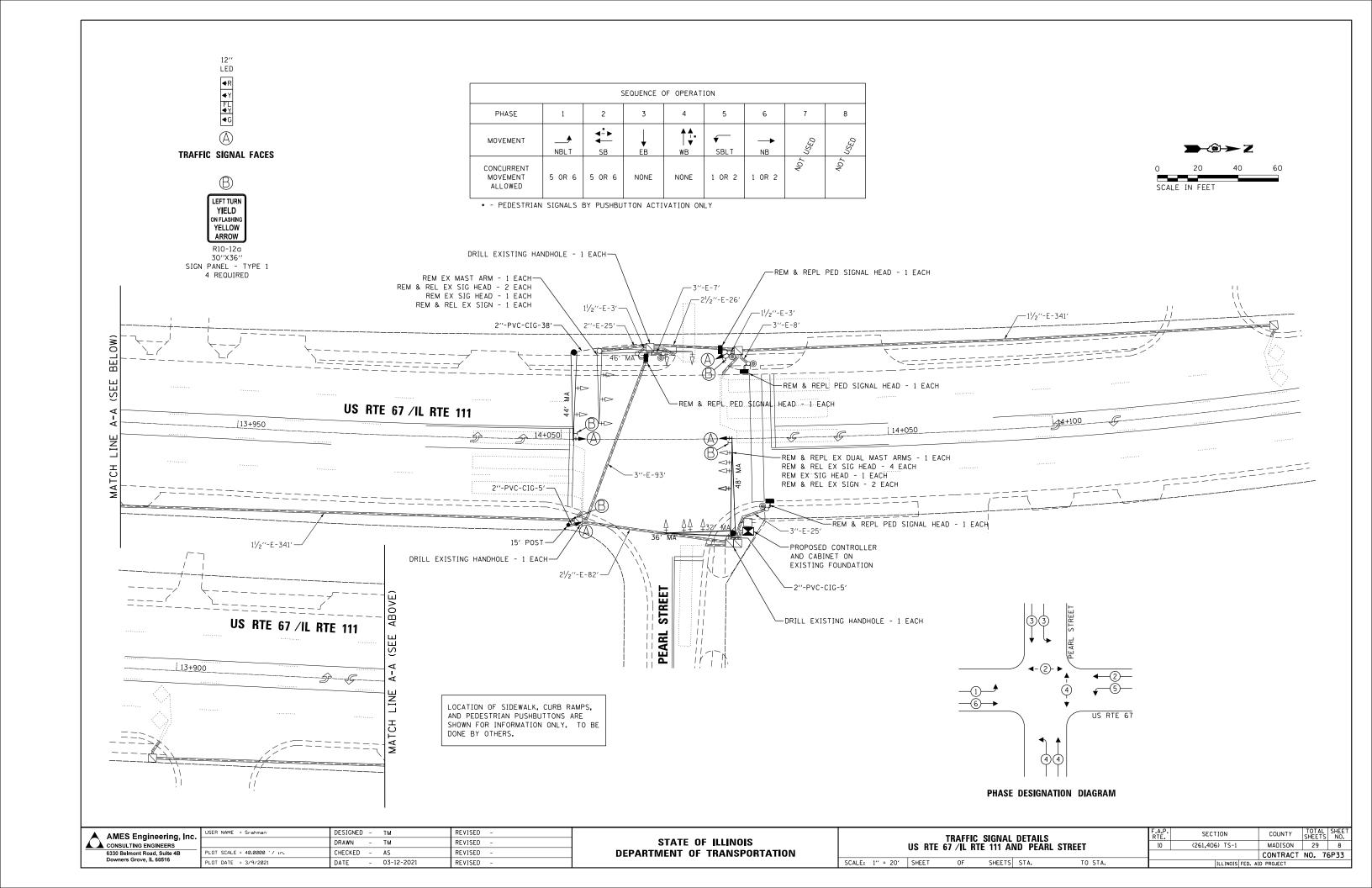
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
REMOVE SIGN PANEL - TYPE 1	SQ FT	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	562
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	562
REMOVE EXISTING CONTROLLER	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	2
CONTROLLER, TRAFFIC SIGNAL	EACH	1

1	EL	J١	Н	1	21	И	F	11	VI	V
Е	N	G	1	N	Ε	E	R	1	N	G

USER NAME = bschm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/9/2021	DATE -	REVISED -

STATE	OF ILLINOIS	
DEPARTMENT	OF TRANSPORTATION	N

		TRA	FFI	: s	IGNAL	DETAILS		F.A.P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2U					L-MART		10	(261,406)TS-1	MADISON	29	7
US ROUTE 67 & WAL-MART DR							CONTRACT	NO. 76	5P33			
	SHEET	2	OF	2	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT H	SIP-WNI5	(285)



--- PROPOSED ELECTRIC CABLE IN CONDUIT ---- EXISTING ELECTRIC CABLE IN CONDUIT

2/0 INDICATES NUMBER OF CONDUCTORS IN CABLE

 \Box EXISTING SERVICE INSTALLATION 4 PROPOSED BATTERY BACKUP

EXISTING VIDEO DETECTION ZONE

Ţ. EXISTING VIDEO CAMERA

INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES) #6

LD IN ELECTRIC CABLE LEAD-IN 1 PAIR

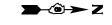
CCO CALL CARRY OVER

CD CALL DELAY **⊮** C **∱** D

PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	30
RELOCATE SIGN PANEL - TYPE 1	SQ FT	20
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	48
MAINTENANCE OF EXISTING TRAFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	838
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	884
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS,		
48 FT. AND 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	27
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBINATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED		
WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	6
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	874
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	2
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4



		★ C 3/C ($\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3/2 - 3/2 -		2C LD IN
US RTE 67 /IL RTE 111	5/C 5/C 7/C 2C LD IN 2C LD IN 2C LD IN 2C LD IN 7/C	6'X50' CD 6'X50' CD	CD CD CD	6'X50' 6'X50' 6'X50' 6'X50'	2C LD IN	
NIT OTY. FT 30 FT 20 OOT 48 ACH 1 ACH 1 OOT 838 OOT 884 ACH 1 ACH 1 ACH 1 ACH 1 ACH 1 ACH 2 ACH 2 ACH 2 ACH 2 ACH 2			PEARL STREET 2C LD IN CD TN 6.850 77C		COMPROLITY CONTROL OF THE PROPERTY OF THE PROP	

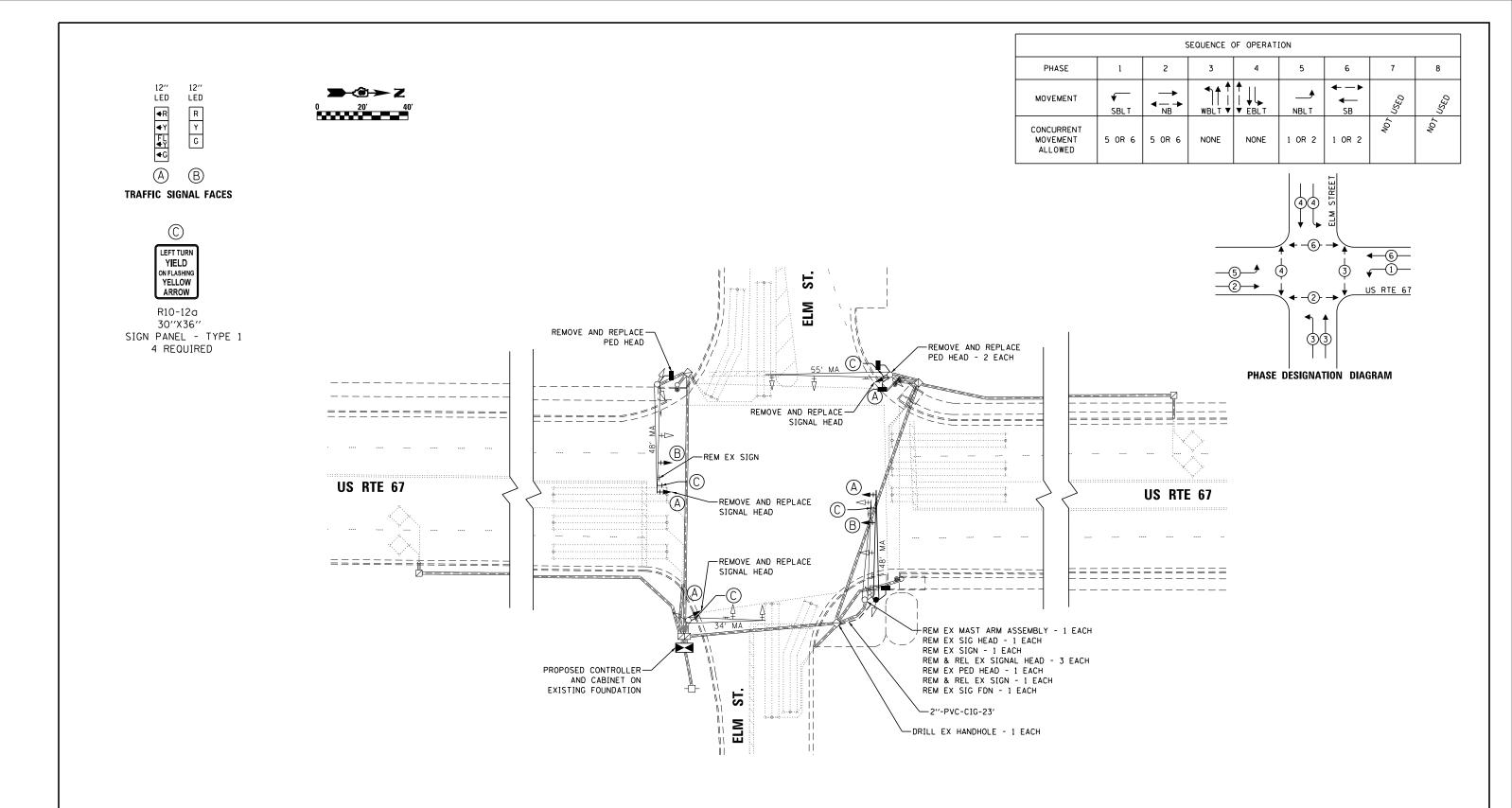
SCALE: N.T.S.

AMES Engineering, Inc.	F
CONSULTING ENGINEERS	L
6330 Belmont Road, Suite 4B	l
Downers Grove, IL 60516	r

USER NAME = Srahman	DESIGNED - TM	REVISED -
	DRAWN - TM	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - AS	REVISED -
PLOT DATE = 3/9/2021	DATE - 03-12-2021	REVISED -

STATE	: OF	ILLINOIS	
DEPARTMENT	0F	TRANSPORTATION	

	1	TRAFFIC	SIGNAL I	DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
US RTE 67 /L RTE 111 AND PEARL STREET						10	(261,406) TS-1	MADISON	29	9
		· · · · · · · · · · · · · · · · · · ·	,					CONTRACT	NO. 7	6P33
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



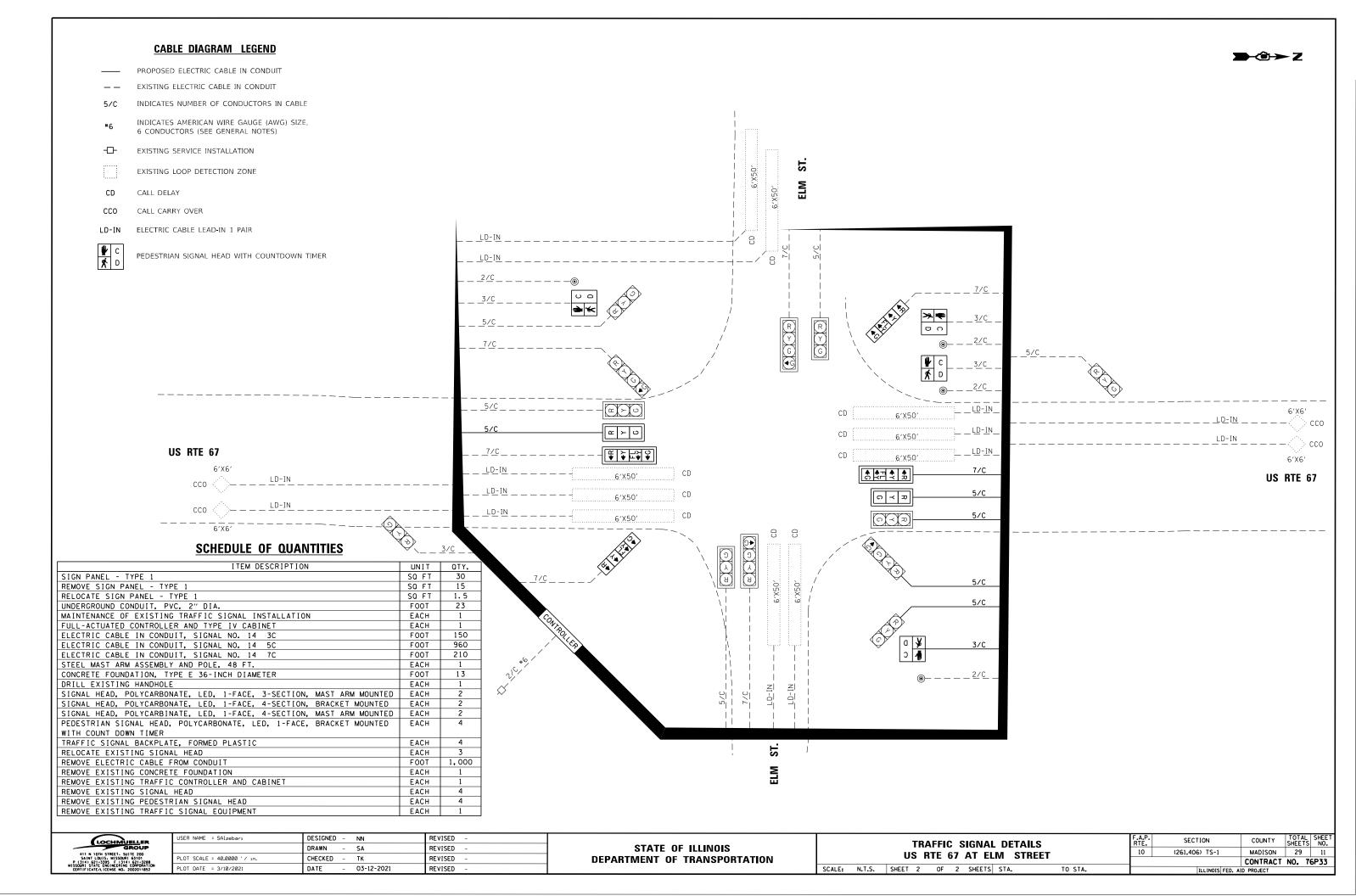
LOCATION OF SIDEWALK CURB RAMPS, AND PEDESTRIAN PUSH BUTTONS ARE SHOWN FOR INFORMATION ONLY. THIS WORK SHALL BE COMPLETED BY OTHERS.

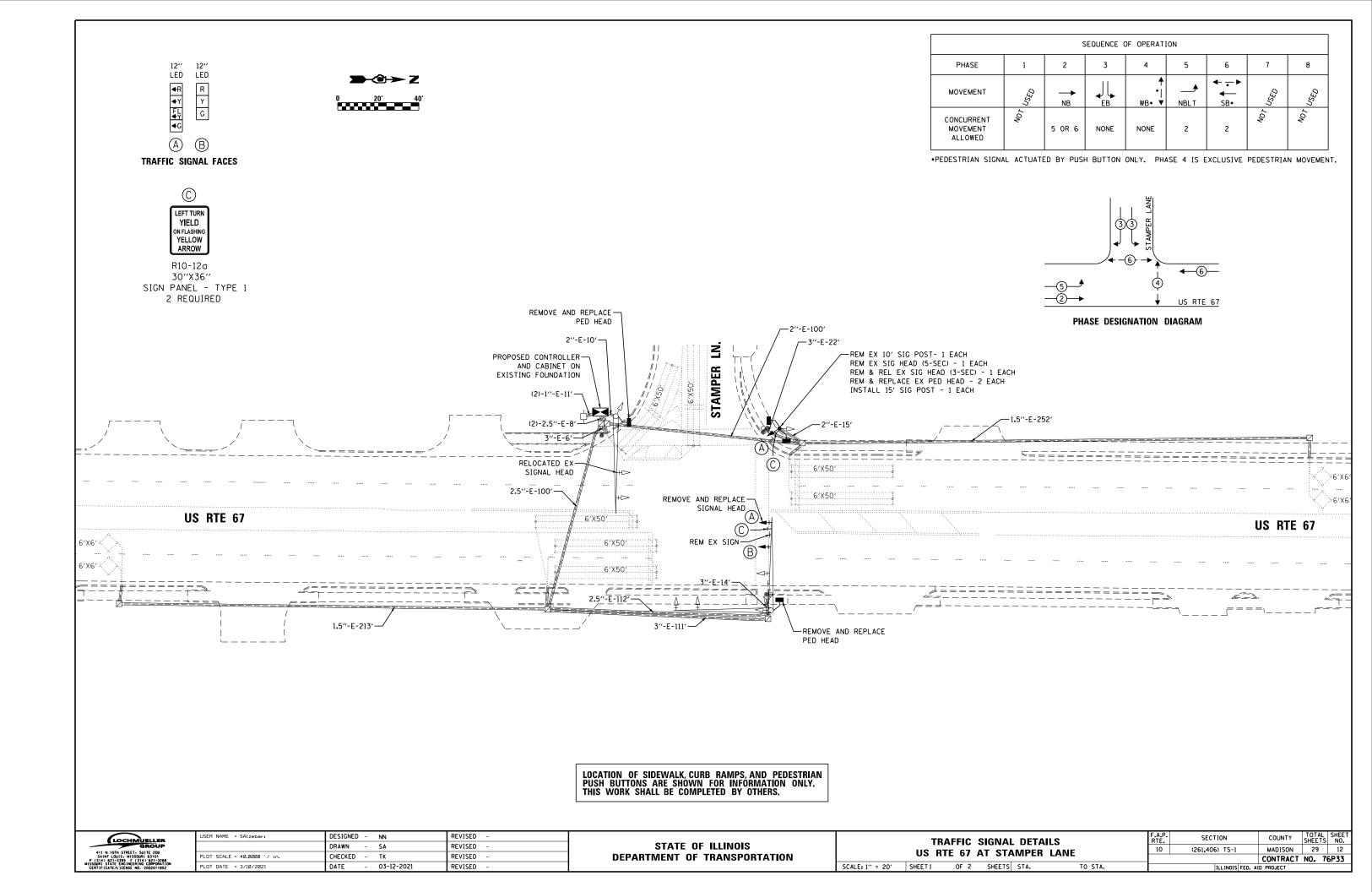
LOCHMUELLER
GROUP
411 N 10TH STREET. SULTE 200
SAINT LOUIS. MISSOURI 63101
P (314) 621-3395 F (314) 621-3288
MISSOURI STATE ENGINEERING CORPORATION
CERTIFICATE/LICENSE NO. 2002011852

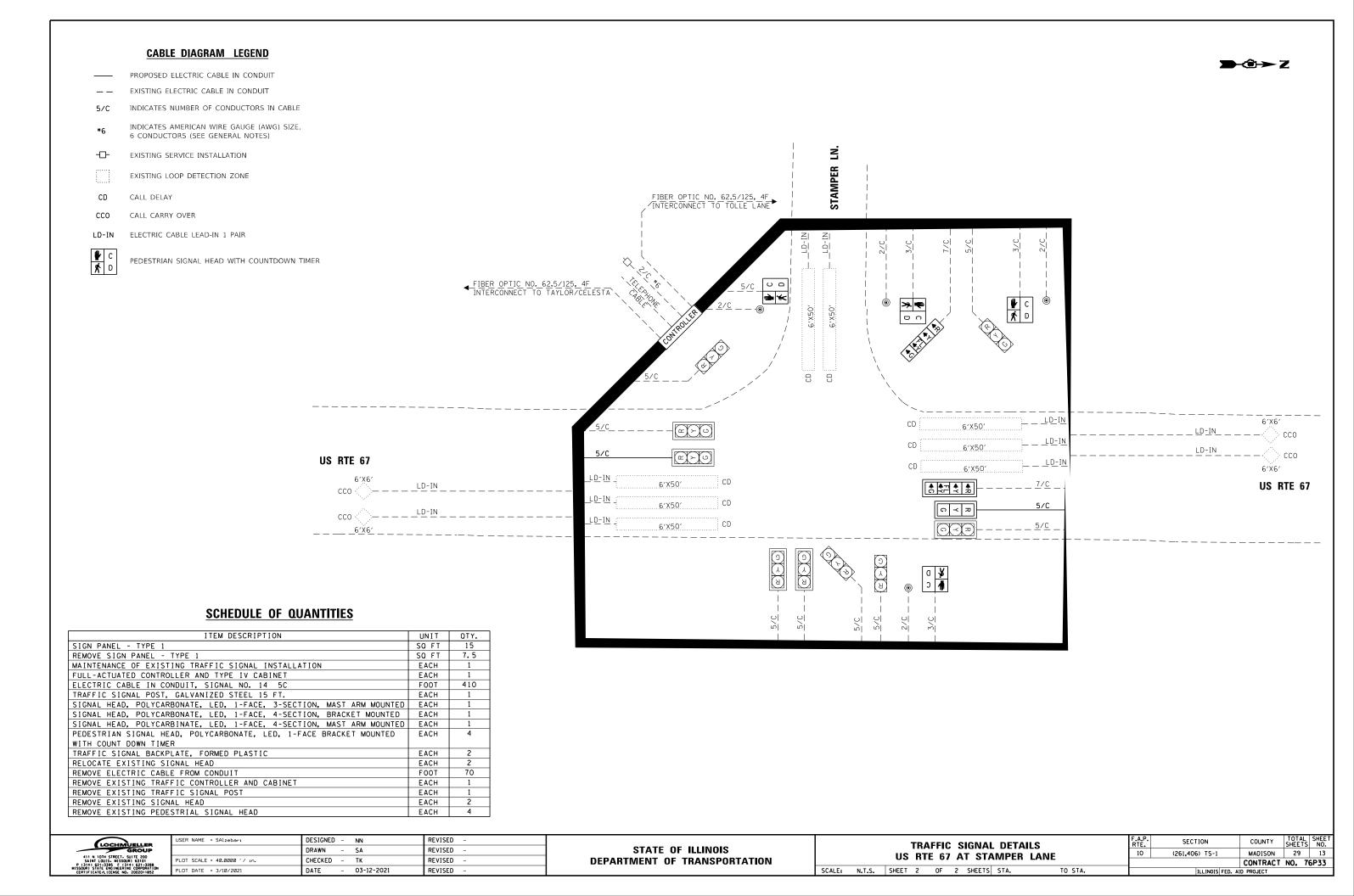
USER NAME = SAlzebarı	DESIGNED	-	NN	REVISED -	
	DRAWN	-	SA	REVISED -	
PLOT SCALE = 40.0000 '/ in.	CHECKED	-	TK	REVISED -	
PLOT DATE = 3/10/2021	DATE	-	03-12-2021	REVISED -	

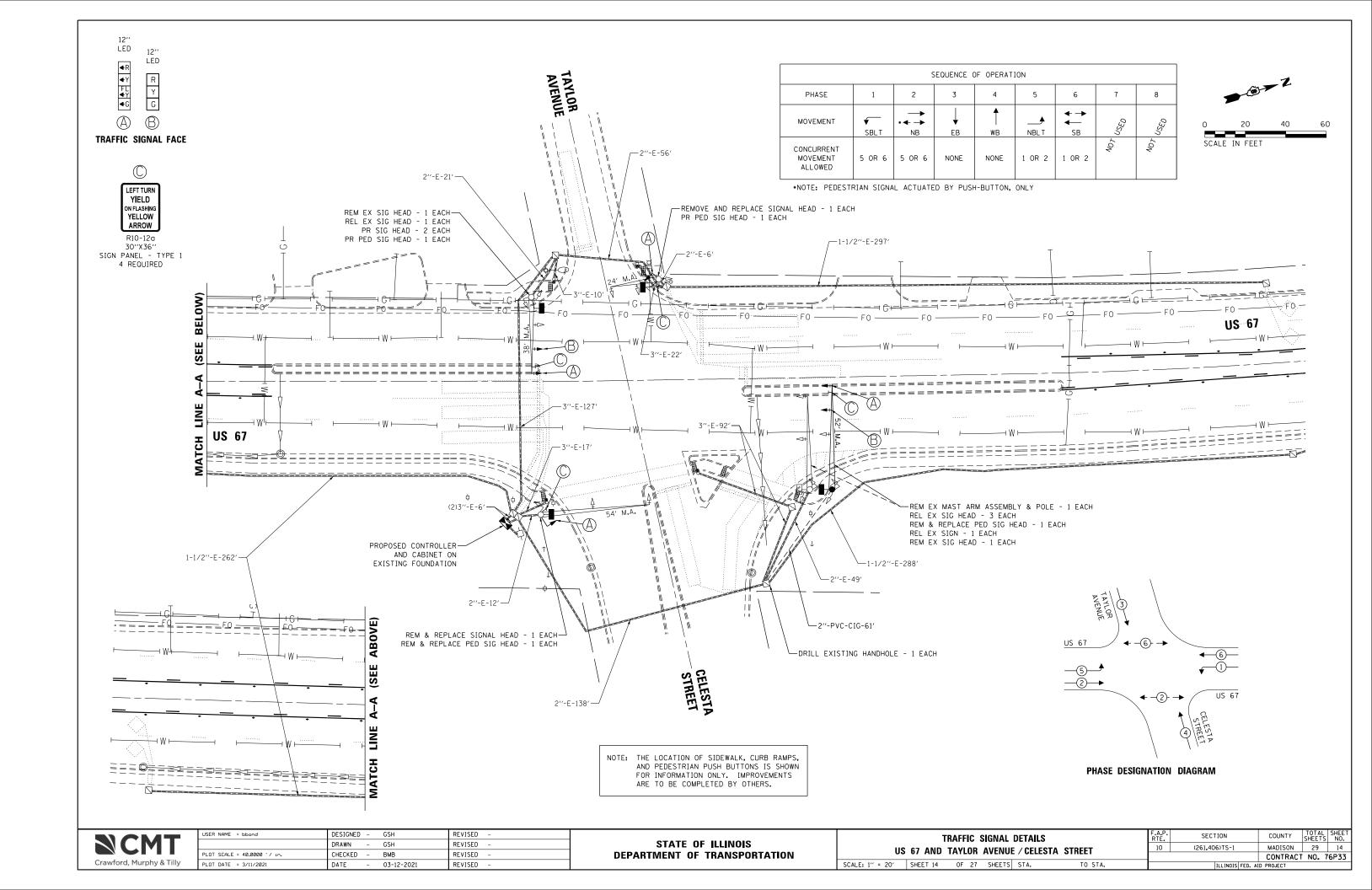
STATE	E OF	: ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

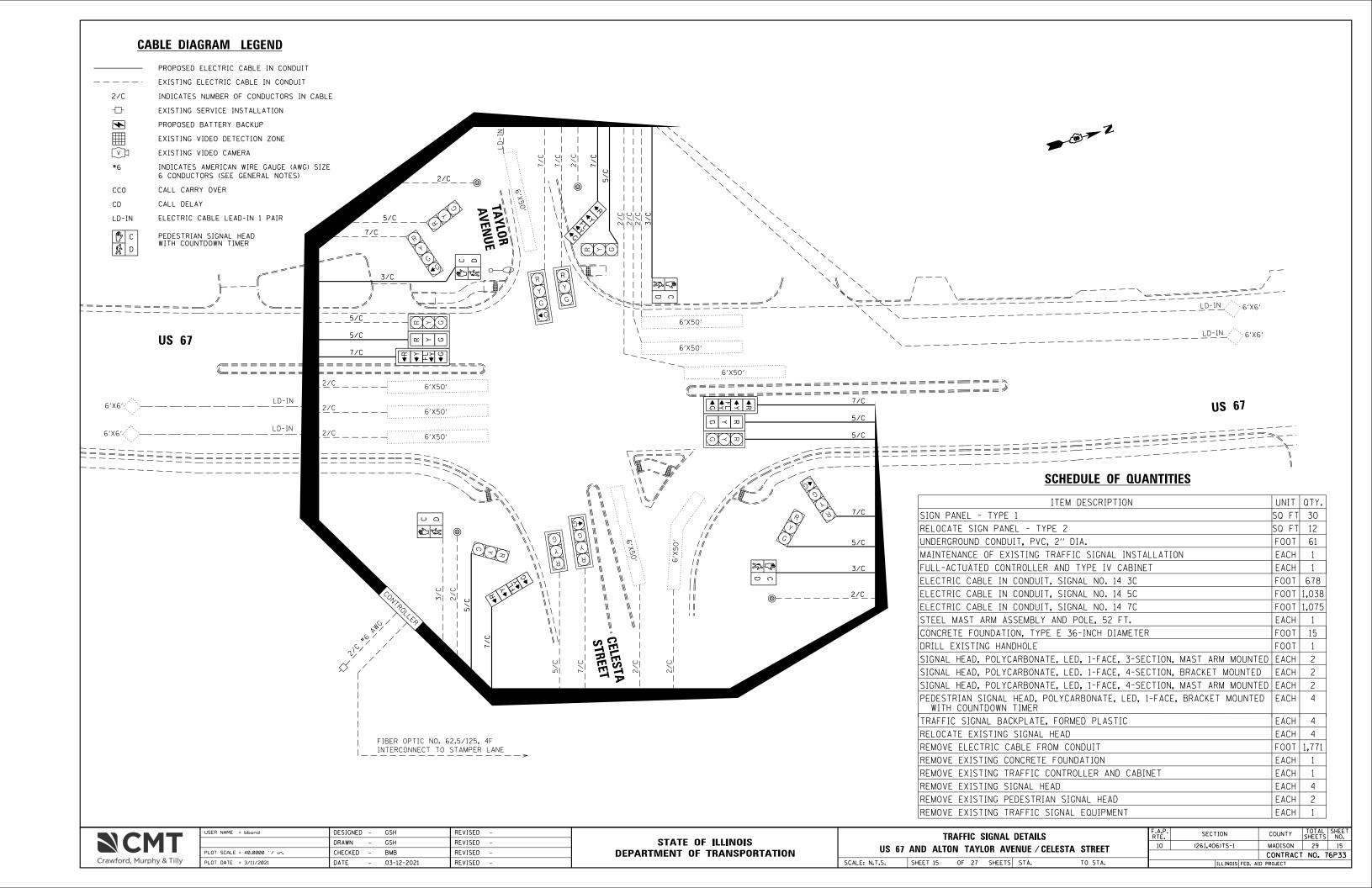
TRAFFIC SIGNAL DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US RTE 67 AT ELM STREET	10	(261,406) TS-1	MADISON	29	10
OS IIIE OF AT ELIM STILLET			CONTRACT	NO. 70	6P33
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		

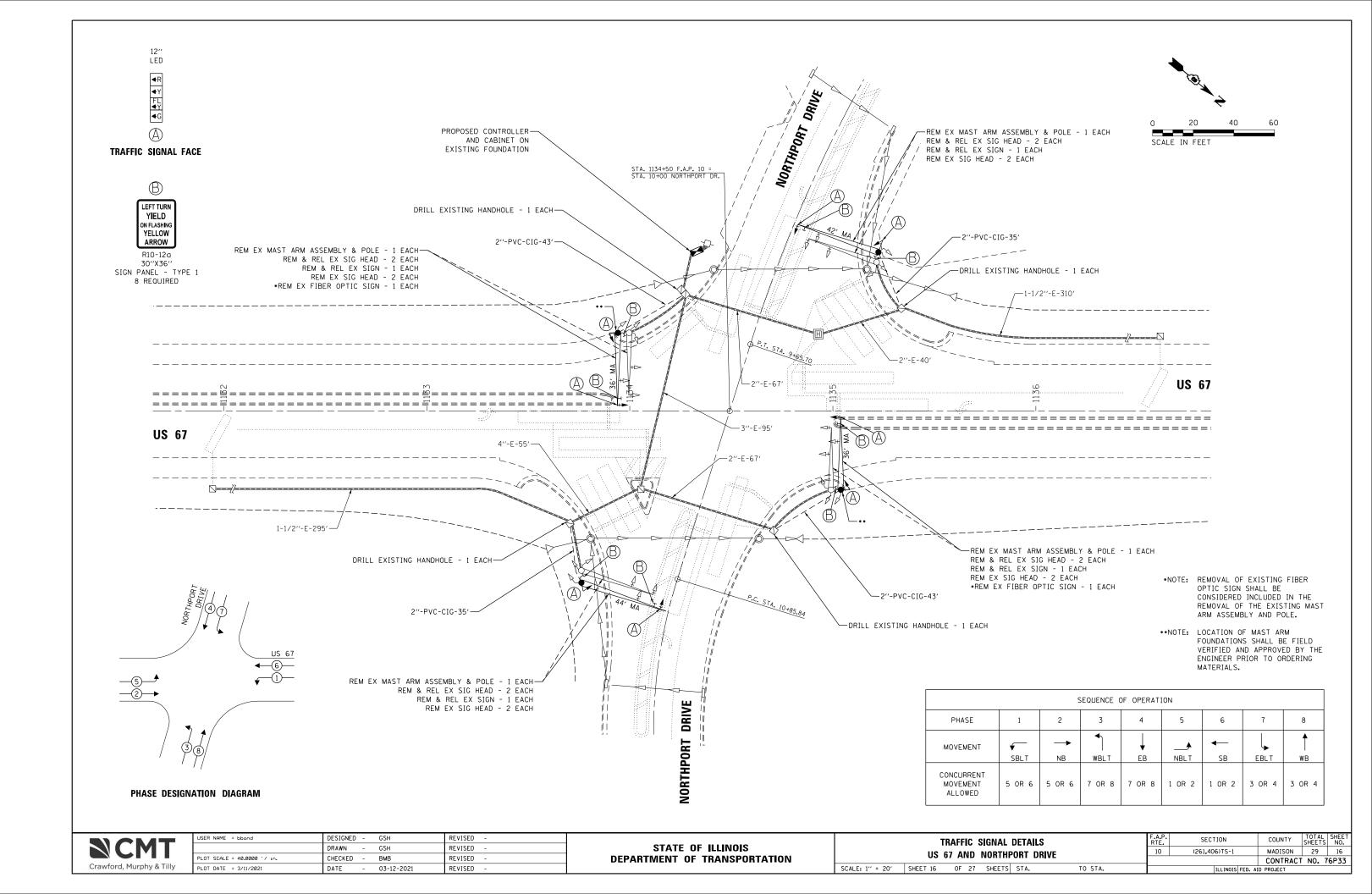


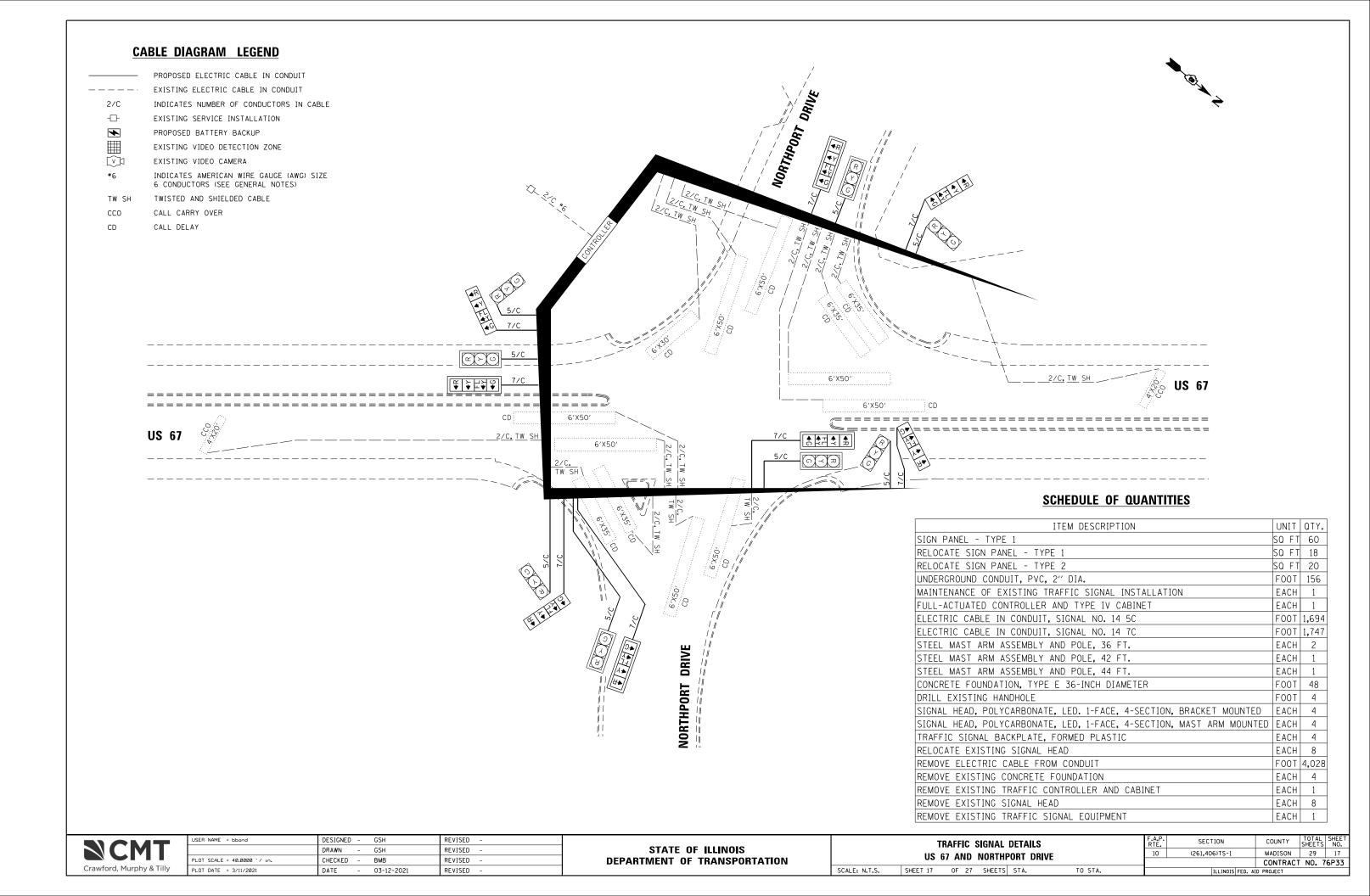


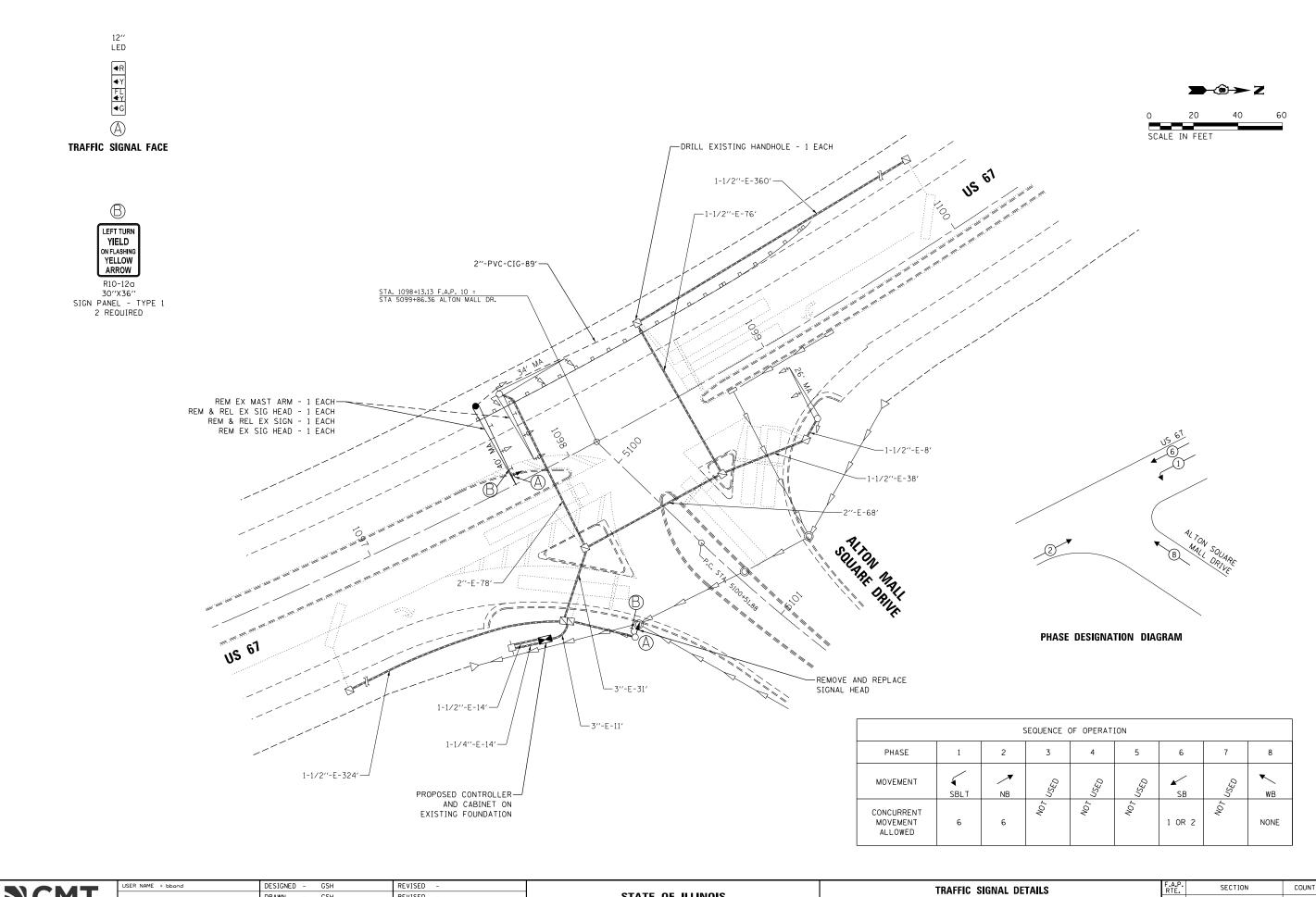












Crawford, Murphy & Tilly

USEN NHME - DOORD	DESIGNED	_	GSH	REVISED -
	DRAWN	-	GSH	REVISED -
PLOT SCALE = 40.0000 '/ 10.	CHECKED	-	ВМВ	REVISED -
PLOT DATE = 3/11/2021	DATE	-	03-12-2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS									
US 67 AND ALTON SQUARE MALL DRIVE									
	03 07 AN	D ALIU	W JUU	AIL WAL	L DIIIVE				
SCALE: 1" = 20"	SHEET 18	OF 27	SHEETS	STA.	TO STA.				

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

10 (261,406)TS-1 MADISON 29 18

CONTRACT NO. 76P33



PROPOSED ELECTRIC CABLE IN CONDUIT

EXISTING ELECTRIC CABLE IN CONDUIT

2/C INDICATES NUMBER OF CONDUCTORS IN CABLE

EXISTING SERVICE INSTALLATION

PROPOSED BATTERY BACKUP

EXISTING VIDEO DETECTION ZONE EXISTING VIDEO CAMERA

EXISTING VIDEO CAMERA

#6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE

6 CONDUCTORS (SEE GENERAL NOTES)

TWISTED AND SHIELDED CABLE

CCO CALL CARRY OVER
CD CALL DELAY

TW SH



ITEM DESCRIPTION UNIT QTY. SIGN PANEL - TYPE 1 SQ FT 15 RELOCATE SIGN PANEL - TYPE 2 SQ FT 10 UNDERGROUND CONDUIT, PVC, 2" DIA. FOOT 89 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET EACH ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C FOOT 349 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C FOOT 431 STEEL MAST ARM ASSEMBLY AND POLE, 40 FT. EACH CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER FOOT 13 DRILL EXISTING HANDHOLE EACH SIGNAL HEAD, POLYCARBONATE, LED. 1-FACE, 4-SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED EACH TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC EACH RELOCATE EXISTING SIGNAL HEAD EACH REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 775 REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET EACH REMOVE EXISTING SIGNAL HEAD EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH

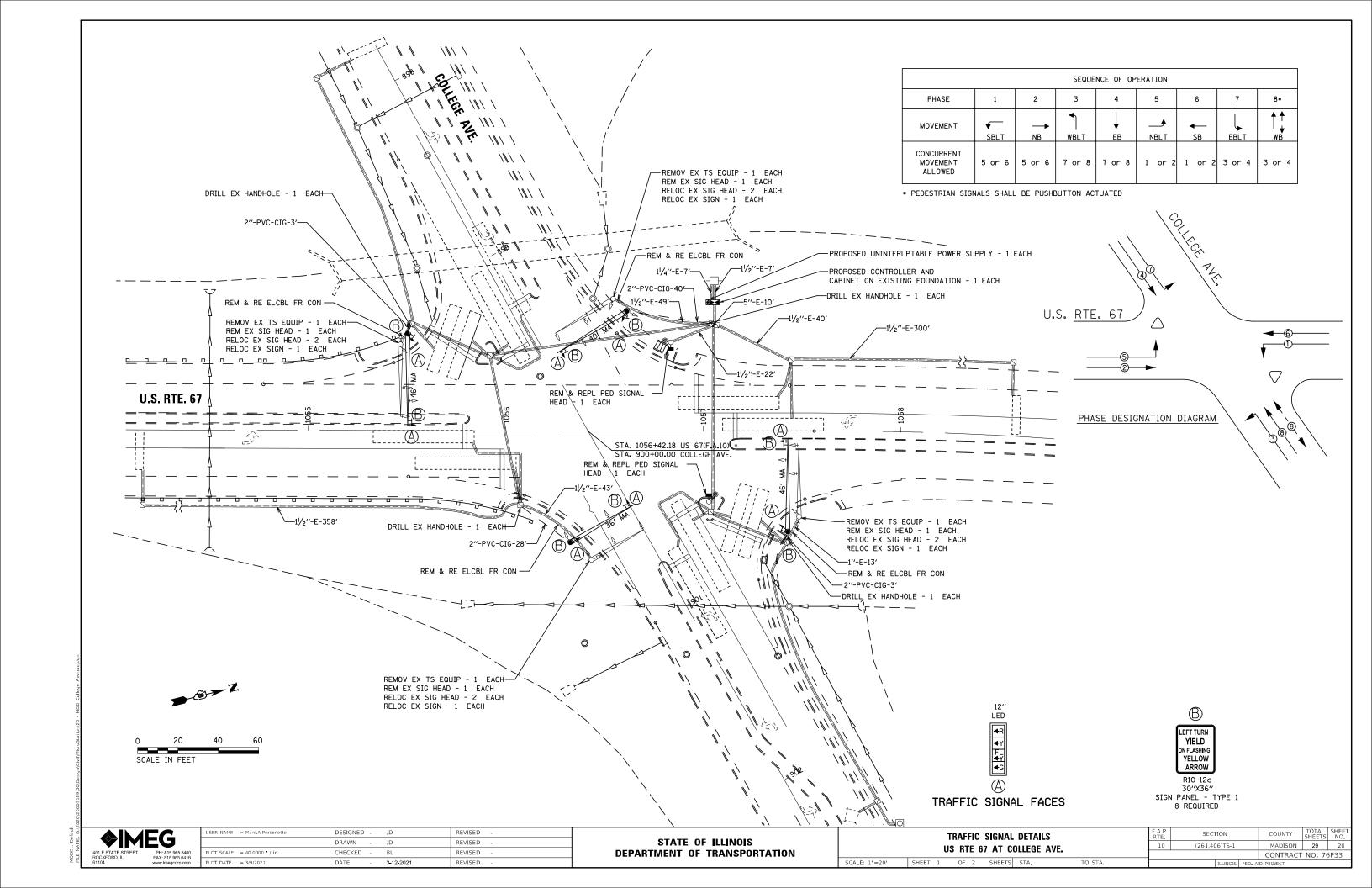


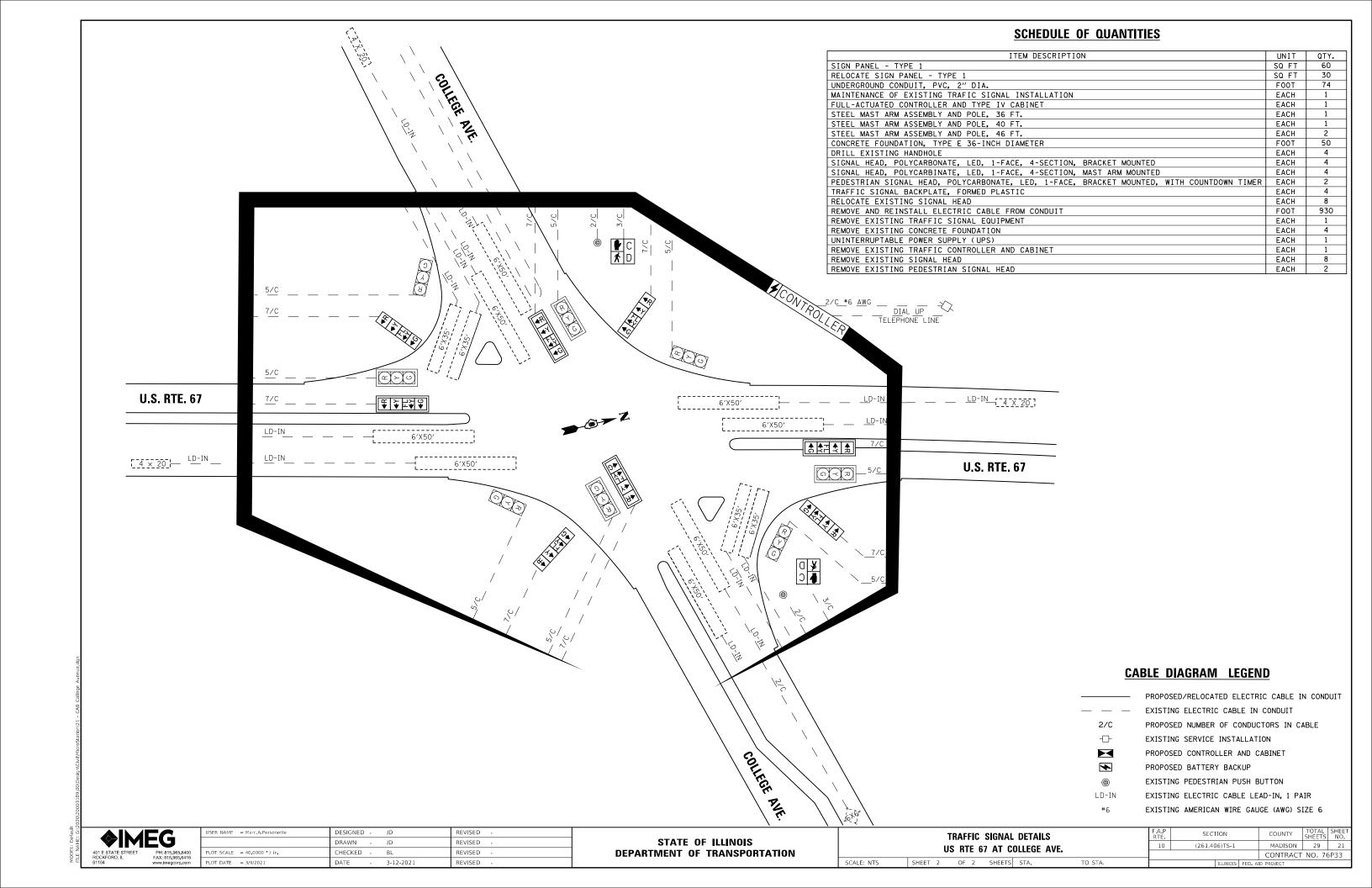
USER NAME = bbond	DESIGNED	-	GSH	REVISED -
	DRAWN	-	GSH	REVISED -
PLOT SCALE = 40.0000 '/ 10.	CHECKED	-	ВМВ	REVISED -
PLOT DATE = 3/11/2021	DATE	-	03-12-2021	REVISED -

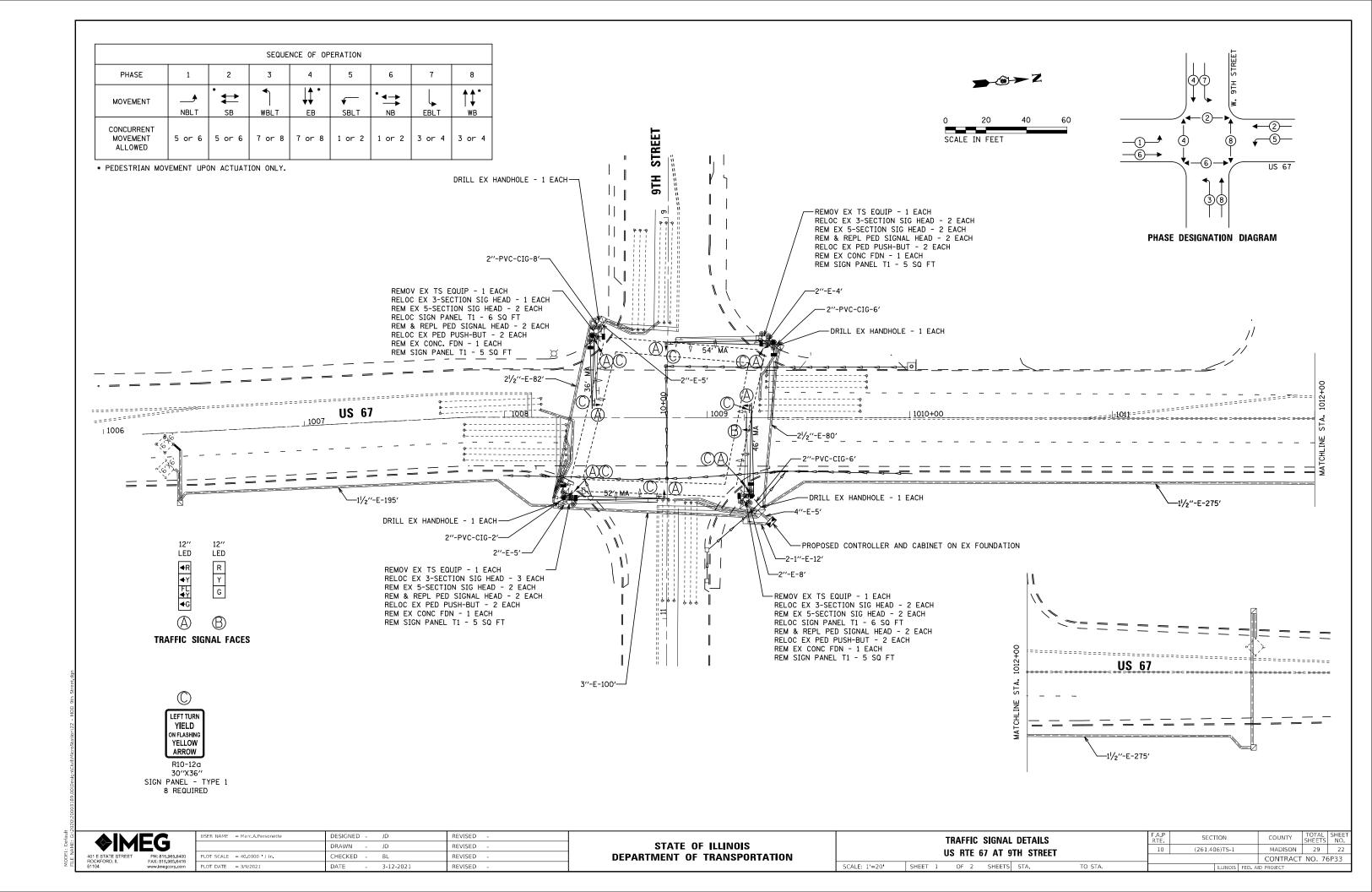
SCALE: N.T.S.

SOUARE DRIVE

	TR	AFFIC	TRAFFIC SIGNAL DETAILS					COUNTY	TOTAL SHEETS	SHEET NO.
- 1	HE 67 AND ALTON COHADE MAIL DRIVE				10	(261,406)TS-1	MADISON	29	19	
	US 67 AND ALTON SQUARE MALL DRIVE							CONTRACT	NO. 7	6P33
	SHEET 19	OF 27	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		









PROPOSED/RELOCATED ELECTRIC CABLE IN CONDUIT

EXISTING ELECTRIC CABLE IN CONDUIT

2/C INDICATES NUMBER OF CONDUCTORS IN CABLE

EXISTING SERVICE INSTALLATION

UNINTERRUPTABLE POWER SUPPLY (UPS)

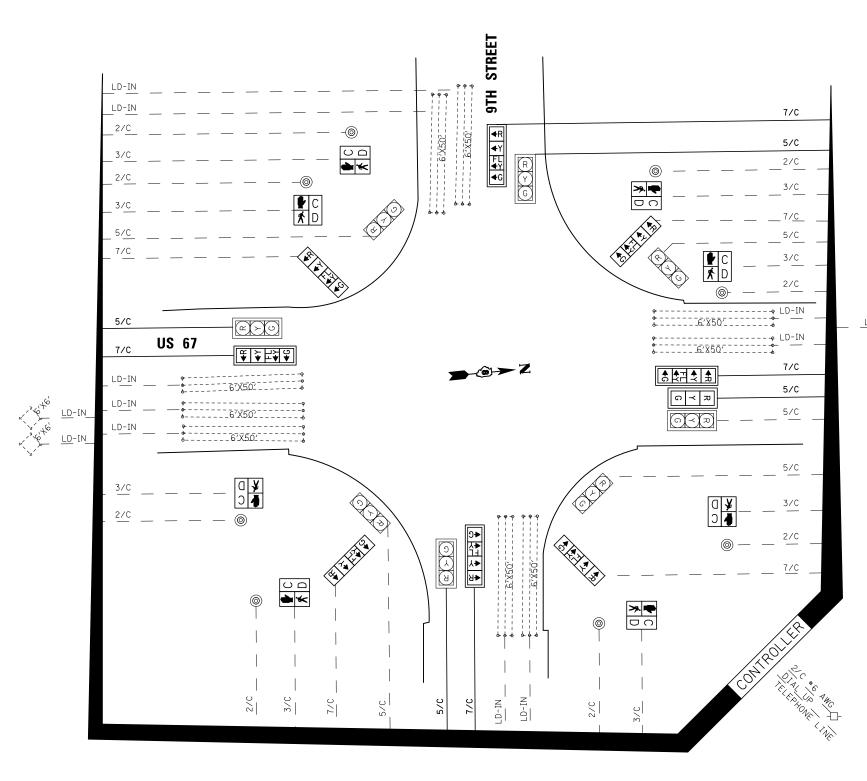
EXISTING VIDEO DETECTION ZONE

EXISTING VIDEO CAMERA

INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	60.0
REMOVE SIGN PANEL - TYPE 1	SQ FT	12.0
RELOCATE SIGN PANEL - TYPE 1	SQ FT	20.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	22
MAINTENANCE OF EXISTING TRAFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	726
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	774
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBINATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	5
RELOCATE EXISTING SIGNAL HEAD	EACH	8
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,500
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	8
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	8



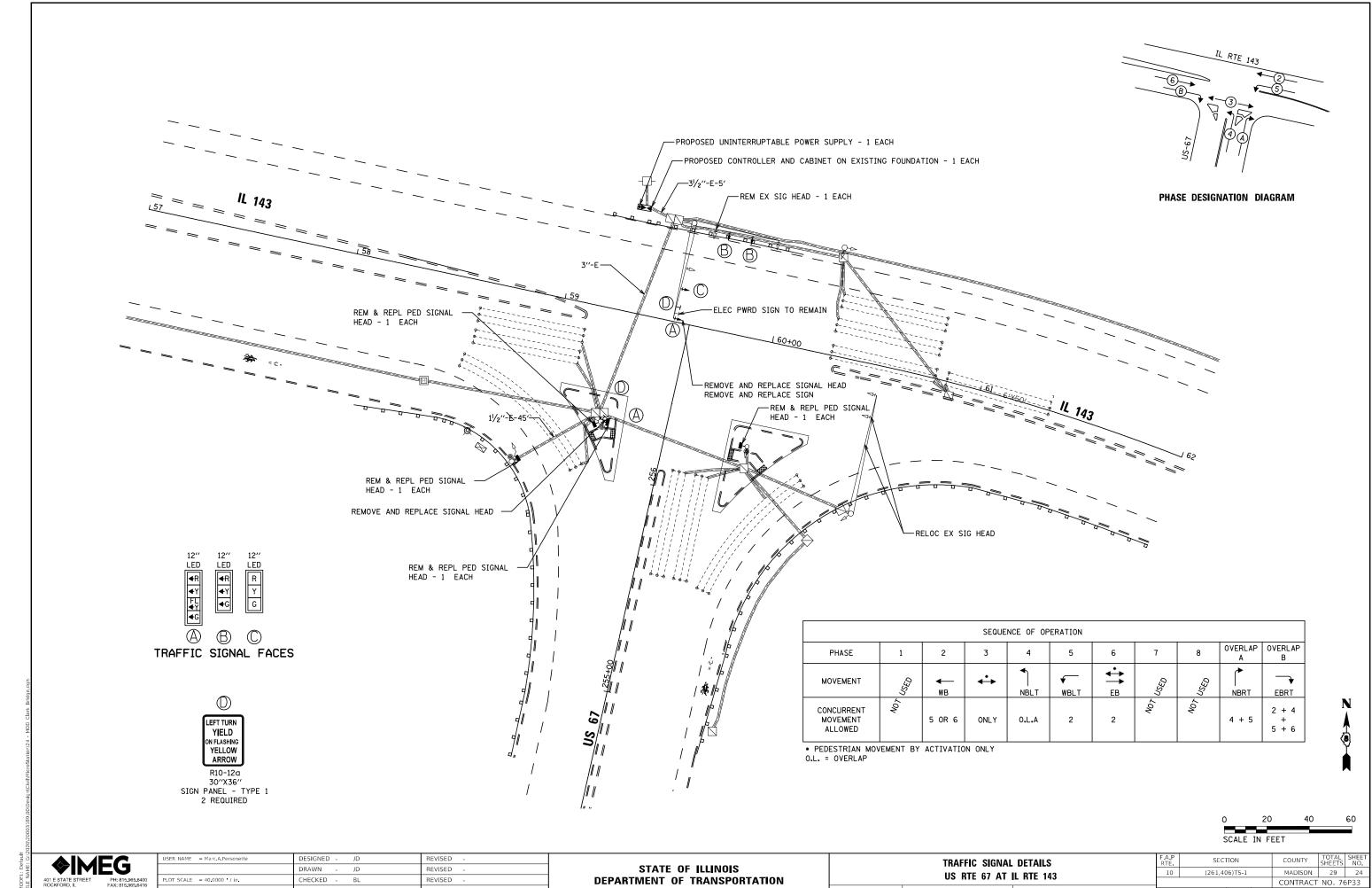
401 E STATE STREET
ROCKFORD, IL
61104
FAX: 815,965,6400
FAX: 815,965,6410

USER NAME = Marc.A.Personette	DESIGNED - JD	REVISED -
	DRAWN - JD	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - BL	REVISED -
PLOT DATE = 3/10/2021	DATE - 3-12-2021	REVISED -

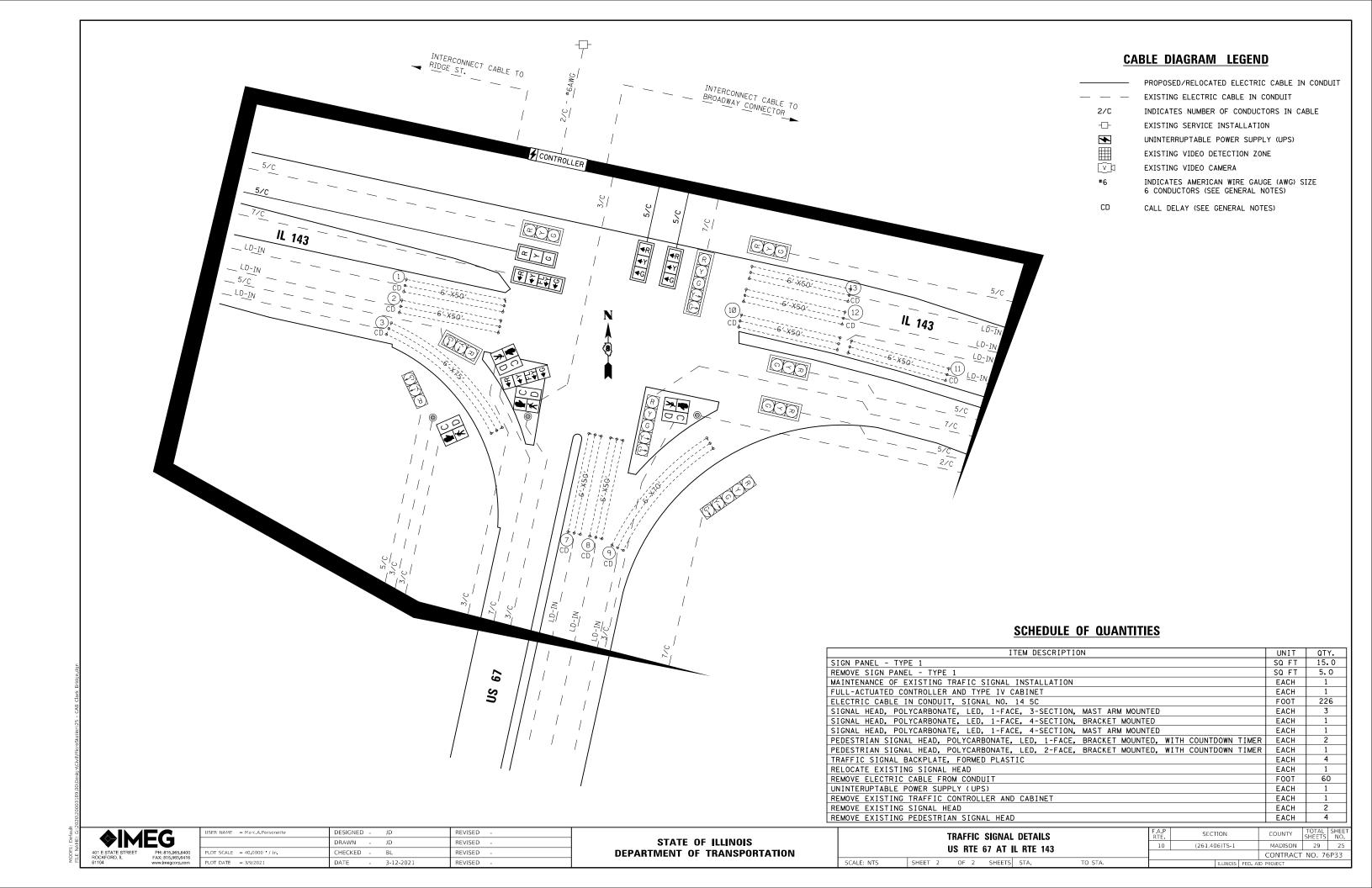
SCALE: NTS

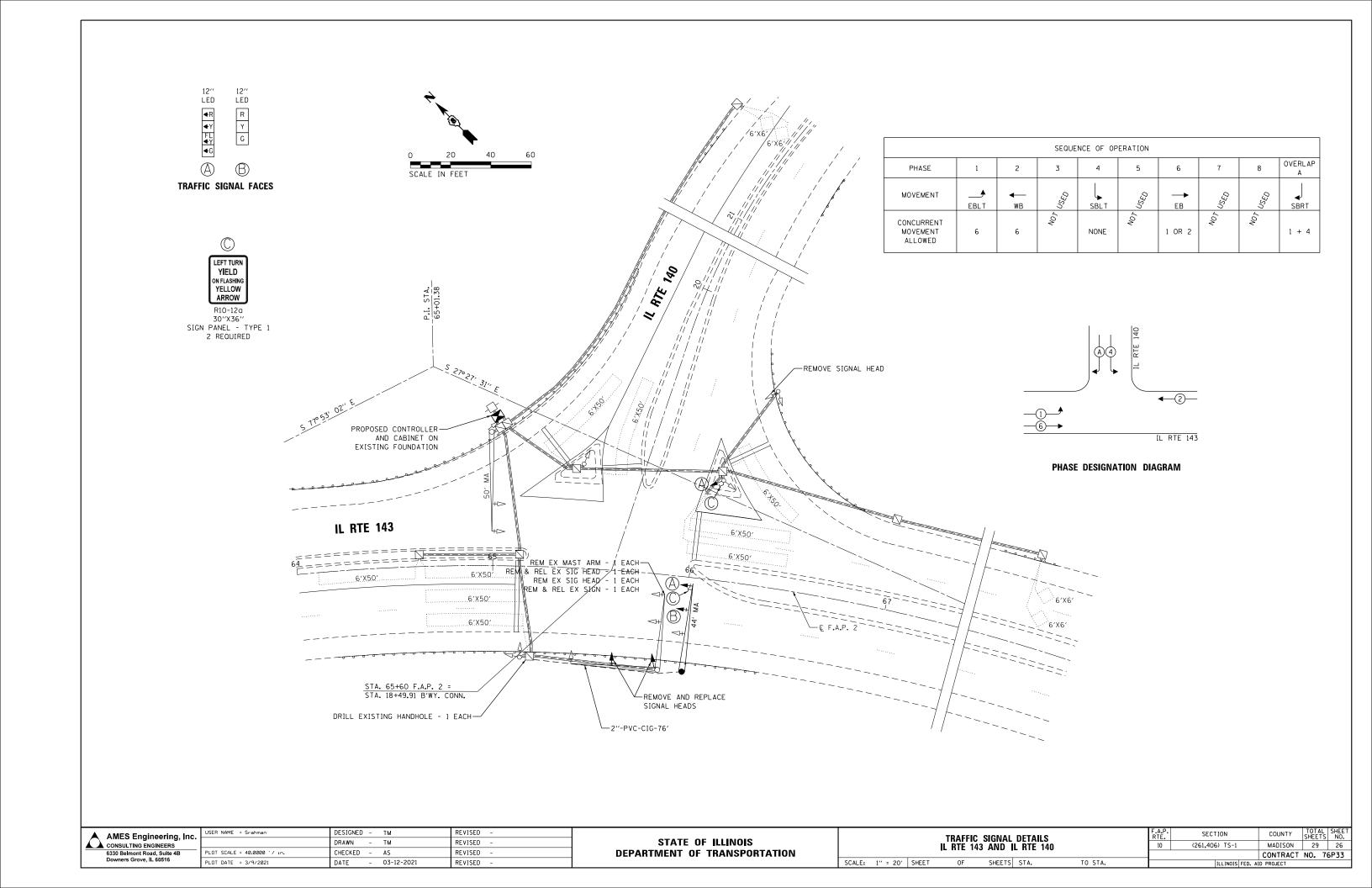
SHEET 2

TRAFFIC SIGNAL DETAILS		F.A.P RTE.	SEC ⁻	TION		COUNTY	TOTAL SHEETS	
IIS RTE 67 AT OTH STREET		10	(261,40	06)TS-1		MADISON	29	23
US RTE 67 AT 9TH STREET						CONTRACT	NO. 76	5P33
OF 2 SHEETS STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		



SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA.





PROPOSED ELECTRIC CABLE IN CONDUIT EXISTING ELECTRIC CABLE IN CONDUIT

2/0 INDICATES NUMBER OF CONDUCTORS IN CABLE

 \Box EXISTING SERVICE INSTALLATION 1 PROPOSED BATTERY BACKUP EXISTING VIDEO DETECTION ZONE

EXISTING VIDEO CAMERA

INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES) #6

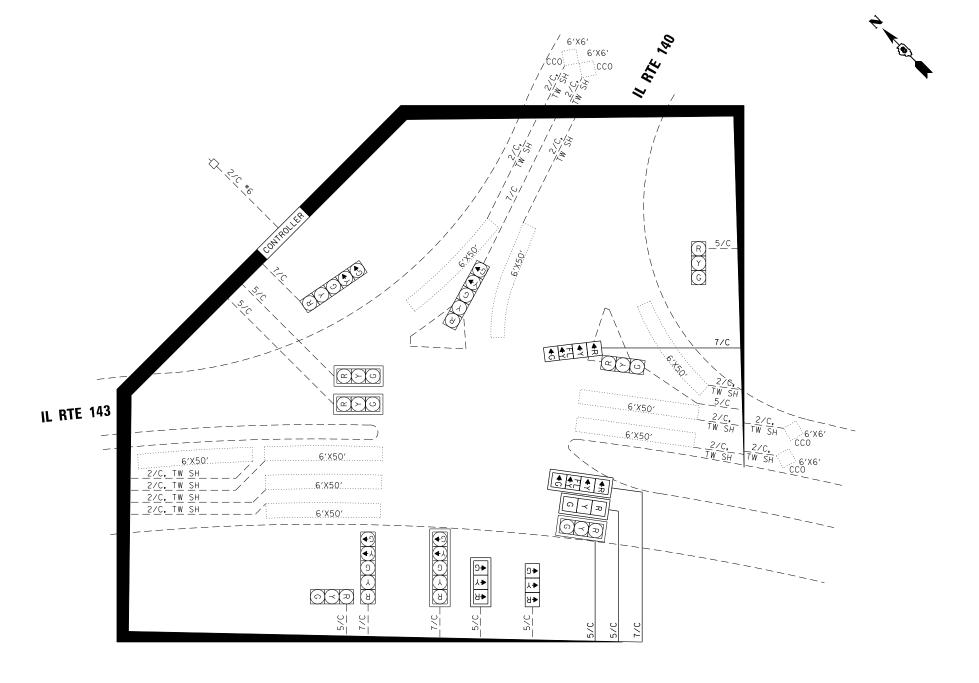
TW, SH TWISTED AND SHIELDED CABLE CALL CARRY OVER

CD CALL DELAY

CCO

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	15
RELOCATE SIGN PANEL - TYPE 1	SQ FT	6
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	76
MAINTENANCE OF EXISTING TRAFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	544
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	459
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBINATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	3
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	742
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



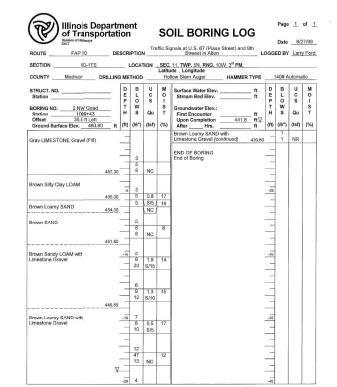
AMES Engineering, Inc.	USER NAME = Srahman	DESIGNED - TM	REVISED -				TRAFFIC	SIGNAL	DETAILS		F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEET SHEET NO.
CONSULTING ENGINEERS		DRAWN - TM	REVISED -	STATE OF ILLINOIS					L RTE 140		10	(261,406) TS-1	MADISON	29 27
6330 Belmont Road, Suite 4B	PLOT SCALE = 40.0000 '/ in.	CHECKED - AS	REVISED -	DEPARTMENT OF TRANSPORTATION			15 1115 17	ין שוות ט					CONTRACT	NO. 76P33
Downers Grove, IL 60516	PLOT DATE = 3/9/2021	DATE - 03-12-2021	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT	

Division of Highways IDOT			т-	offic O	gnals at US 67/IL 111 (Godfrey Road)	Date 2/16/05
ROUTEFAP 10	DESCR	IPTION	·	anic si	and Elm Street in Goo	ifrey LC	GGED BWark Schread
SECTION01 00018 00	TL	LOCAT	ION .	SEC.	23, TWP. 6N, RNG. 10	W, 3 [™] PM,	
COUNTY Madison					low Stem Auger		140# Automatic
STRUCT. NON/A Station	D E P	B L O	UCS	M O I	Surface Water Elev. Stream Bed Eev.		
SORING NO. 2 NE Quad		w	Qu	S	Groundwater Elev.:		
Station 445+10 Offset 45.8 ft Right					First Encounter Upon Completion	606.5 ft ✓	
Ground Surface Elev. 617.0	0 ft (ft)	(/6")	(tsf)	(%)	After Hrs.	ft	
Brown Silty CLAY	_						
(C)	_						
	_	2					
	-	4	2.7 S/20	28			
	_			20			
	-5	2					
		6	2.3 S/20	26			
	-	-	3/20				
	610.00	5					
Brown Silty LOAM	_	5	3.3	25			
	_	б	S/20				
	_						
	-10	2	1.6	26			
	606.00	5	S/20	3.000			
END OF BORING	-						
End of Boring	_						
	_						
	-15						
	_						
	_						
	_						
	_						
	_						
	-20						

Division of Highways								Date 9/27/99
ROUTE FAP 10	_ DE	SCR	IPTIO	Tra	iffic Si	gnals at U.S. 67 (Piasa Streeet in Alton	Street) and 9th	LOGGED BY Larry For
SECTION 60-1TS		_ 1	OCAT	ION _	SEC.	11, TWP. 5N, RNG. 10	W, 3 rd P M ,	
COUNTY Madison DI	RILLING	ME	THOD		Но	llow Stem Auger	_ HAMMER TYPE	140# Automatic
STRUCT. NO		D E P	B L O	U C S	M O I	Surface Water Elev. Stream Bed Elev.	ft	
BORING NO. 4 SW Quad Station 1008+45 Offset 43.0 ft Left	_	H	W S	Qu	S	Groundwater Elev.: First Encounter Upon Completion	ft	
Ground Surface Elev. 457.20	ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft ft	
Gray Limestone GRAVEL	455.70	-		NC				
Description City I O AM with I important	400.70	_	8	NC				
Brown Silt LOAM with Limestone Gravel	454.20	_		NC	В			
END OF BORING	10120	_						
End of Boring								
		-5			3			
		-			1			
		1						
		-	ś					
		-						
		-10						
		-						
		8						
		-						
		-						
	2.5							
		-15						
	99	10						
		-						
		7						
		-20						

Illinois De of Transpo			Tra	offic Si	gnals at U.S. 67 (Piasa S	treet) and 9th		Date	9/2	7/99
ROUTE FAP 10	-		·		Streeet in Alton		OGGE	D BY	Larry	/ For
SECTION 60-1TS		LOCAT	ION _	, SEC	. 11, TWP. 5N, RNG. 10V ide , Longitude	V, 3 rd PM,				
COUNTY Madison	RILLING ME	THOD	_	Но	llow Stem Auger	HAMMER TYPE	1	40# A	utoma	tic
STRUCT. NO. Station	F	B L O W S	C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	ft ft	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T
Brown and Black SILT with					Brown Silty CLAY (con-	tinued) 437.30	-	2	0.5 B	28
Brown and Mack SILT with Limestone Gravel		7 11 13	NC	9	END OF BORING End of Boring	437.30		3	ь	
	-5	8 8 10	NC	6			-25			
Brown Silt LOAM with Limestone Gravel	449.30	12 7 5	0.8 (S/15)	20						
Brown Silty Clay LOAM with Limestone Gravel	-10	9 5 7	1.2 3/15	21			-30			
		10 10 10	NC	15			=======================================			
	-15	10 10 10	NC				-35			
	441.80						-			
Brown Silty CLAY		3 2 2	0.5 S/15	27			=			
	-20	2			L		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P- The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)	Penetrometer)
, , , , , , , , , , , , , , , , , , , ,	BBS, form 137 (Rev. 8-99)



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS form 137 (Pay 8.99)

of Transp	ortat	or	1		SC	DIL BORIN	G LOG		Det	7/1	4/00
ROUTE FAP 10											
ROUTE FAP 10	DE	SCR	IPTIO	·	2222	Streeet in Alton		OGG	DBY	Lam	Por
SECTION 60-1TS COUNTY Madison I	ORILLING	3 ME	THOD	TION	Latitu	. 11, TWP. 5N, RNG. 10 ide , Longitude llow Stem Auger	W, 3° PM, HAMMER TYPE	_1	40# A	utoma	tic
STRUCT. NO.		D E P T H		U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	ftftft	D E P T H	B L O W S	U C s Qu (tsf)	M O S T
Brown Silt LOAM		_				END OF BORING End of Boring		=			
	461.50	-5	2 4 5	0.8 S/15	20			-25			
Brown Silt LOAM with some Broken Weathered Limestone	461.50	_	3 4 5	0.6 S/10	16						
	456.50	-10	4 7 8	0.4 S/0	16			-30			
Brown and Gray Fine to Medium SAND with Broken Weathered imestone	454.50		2 5 10	NC	15			-30			
Brown and Gray Clay TILL		Ξ	12	3.9	15			\equiv			
Neathered Limestone Shelves	451.50	-15	26	В	_			-35			
Gray and Brown Fine to Very Coarse SAND with Broken Weathered Limestone Gravel			21 46 31	NC	9						
	<u>∑</u>		3 20 50/4**	NC	11			-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Buge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1205)
BBS, form 137 (Rev. 8-98)

ROUTEFAP 10	DE	SCR	IPTION	Tra	iffic Si	gnals at US 67 and North Port Drive in Godfrey LOGGED BY Larry Ford
SECTION261R		_ 1	LOCAT	ION _	SE 1/4	4, SE 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3 rd PM,
COUNTY Madison D	RILLING	S ME	THOD		Tann	HAMMER TYPE
STRUCT. NO	=	DEP	B L O	UCS	M O	Surface Water Elev ft Stream Bed Elev. ft
Station	_	H	s	Qu	S T (%)	Groundwater Elev.: First Encounter
Brown Silty CLAY with some Crushed Limestone Rock			1			
		Ξ	2 2	0.6 S/10	21	
		-5	1 3 4	1.5 S	25	
	611.90	_	-	5		
Brown and Gray Very Silty CLAY		-	1 2	1.2	25	
		=	3	S/10	20	
		_	1 2	0.5	27	
		-10	2	В	21	
	605.90	_	2			
Brown and Gray Sandy Gravelly Silty CLAY		_	6	1.9 S/5	23	
		-15	3	1.3	24	
	601.40	-	9	S/10		
END OF BORING End of Boring		_				
end of Boring		-				

ne Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Pe ne SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)	netrometer)
to di 1 (il value) is the sum of the last two slow values in dan sumpling zone (Archive 120)	BB3, form 137 (Rev. 8-99)

ROUTE	FAP 10	DESC	RIPTIO	NT	raffic s	Signals at US 67 and Co	illege Avenue L	OGGED BY	Larry Ford
SECTION	261R		LOCA	TION _	NW 1	/4, SEC. 12, TWP, 5N, F	RNG. 10W, 3 rd PM,		
COUNTY	Madison D	RILLING M	ETHOD		Но	ide , Longitude llow Stem Auger	HAMMER TYPE	140# At	utomatic
Station BORING NO Station	#3 SW Quad 1055+47 43.0 ft Left be Elev. 517.20	F	U W S	U C S Qu (fsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hro.	ft		
Brown Sandy G (Fill)	ravelly Silty CLAY		2 6 7	1.8 S/10					
		-	5 2 3 6	1.2 S/5					
			2 7 8	1.9 S/5					
		505.20	0 1 4 3	1.7 S/15		-			
Brown and Gray SILT	Gravelly Sandy	-	1	NC					
		501.20	5 1 2 3	0.7 S/5					
END OF BORIN	IG	-							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 7205)

BBS, form 137 (Rev. 0-38)

SCALE:

Division of Highways IDOT ROUTE FAP 10	DES	CRI	PTION	Tra	iffic Si	gnals at US 67 and North Port Drive in Godfrey LOGGED BY Larry Ford
SECTION261R		L	OCAT	ION _	SE 1/4	4, SE 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3 rd PM,
COUNTY Madison E						HAMMER TYPE
STRUCT. NO. Station #3 N Grar	_	E P T		U C S	M O I S T	Surface Water Elev ft Stream Bed Elev ft Groundwater Elev.:
Station 1135+00 Offset 32.0 ft Ground 3urface Elev. 620.40	_				_ ^	First Encounter
Brown and Gray Silty CLA* (Fill) with some Rock		5 3-				
	616,40		10 8 60	4.4	17	
Brown Very Silty CLAY (Fil)	-	-5	6 7 0	1.1	22	
			2	1,4	23	
	611.40		6	S/10		
Brown and Gray Silty CLAY		-10	5 6	2.2 S/10	23	
			2 4 5	2.0 S/15	21	
Grav Gravelly Sandy Silty CLAY		-15	3	0,10		
Stay Gravery Sandy Siny CEAT	604.40	-	6 7	2.6 S/10	19	
END OF BORING End of Doring	-	-				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, form 137 (Rev. 8-99)

lack	AMES Engineering, Inc.	
Ω	CONSULTING ENGINEERS	
	6330 Belmont Road, Suite 4B	
	Downers Grove, IL 60516	Г

_	USER NAME = Srahman	DESIGNED	-	TM	REVISED -
٠.		DRAWN	-	TM	REVISED -
_	PLOT SCALE = 40.0000 '/ in.	CHECKED	-	AS	REVISED -
	PLOT DATE = 3/9/2021	DATE	-	03-12-2021	REVISED -

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

COU DO	ADIMO I	000 0	ULLET 4 OF	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.	
2011 BO	IKING L	.065 – 5	HEET 1 OF	10	(261,406) TS-1	MADISON	29	28	
							CONTRACT	NO. 7	76P33
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

Division of Highways IDOT ROUTE FAP 10	DES	CRIE	PTION	т т	raffic S	Date 12/5/90 Signals at US 67 and College Avenue LOGGED BY Larry Force
500 M S S S S S S S S S S S S S S S S S S						4, SEC. 12, TWP. 5N, RNG. 10W, 3 rd PM,
					Latitu	ide , Longitude
COUNTY Madison DF	HLLING	MET	HOD	_		HAMMER TYPE
STRUCT. NO	=	D E P	B L O	CS	M O I	Surface Water Blov
BORING NO. #2 SE Quad Station 1056+44 Offset 64.0 ft Right	= 1	Н	S	Qu	S T	Groundwater Elev.: First Encounter ft Upon Completion ft
Ground Surface Elev. 521.70	ft	(ft)	(/6")	(tsf)	(%)	After Hrs. ft
Brown Very Silty CLAY with Rock and Cinders, Concrete, Asphalt	8.	»— »—				
		-	5	2.4	17	
	107		5	S		
	-					
	15	-5	10	31	R	
	515.20	7	16	S/5		
	010.20		3			
Brown Very Silty CLAY		+	4	1.6	19	
		+	3	S/10		
		-10	2			
	1.5	-10	2 2	1.4	20	
			2	S/10		
	-	_	1			
	2		4 5	1.1 S/10	23	
		+	0	5/10		
	506,70	-15				
Dark Gray Sandy SILT	505,70	-		NC	19	
5 3000	005.70			NO		
END OF BORING End of Boring	-	-				
	-					
		-20				40

Division of Highways IDOT ROUTE FAP 10	DESCRIPTI	Tra		gnals at US 67 and North Port Drive in Godfrey Date 12/3/90 LOGGED BY Larry Ford
COUNTY Madison DRI			Latitu	1, SE 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3 rd PM, ide Longitude HAMMER TYPE
STRUCT. NO. Station	P C T V H S	C S Qu	M O I S T	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: ftrait Encounter ft Upon Completion ft After Hrs. ft
Black Cinders and Brick	_			
	2 3 3 3	_		
Brown Very Silty CLAY	-5 2 - 3 - 3	1.0	23	
	1 2 3	1.1	25	
	-10 1 -2 -3	0.9	25	
Gray and Brown Sandy Gravelly Silty CLAY	2 4 7		19	
	-15 2 -15 2 -17		21	
END OF BORING End of Boring				

Division of Highways IDOT ROUTE FAP 10	DESC	PIDTION	Tra	iffic Si	gnals at US 67 and North Port Drive in Godfrey LOGGED BY Larry Ford
				SE 1/	4, SE 1/4, SEC, 35, TWP. 6N, RNG. 10W, 3 rd PM,
COUNTY Madison DR				Latitu	ide , Longitude HAMMER TYPE
		B	U	M	
Station	- E	I L	c	0	Strram Bed Elev. tt
BORING NO. #1 W Cmr	T	W		S	Groundwater Elev.:
Station 1135+23 Offset 78.0 ft Left	_ н	S	Qu	Т	First Encounter tt Upon Completion 616.2 ft
Ground Surface Elev. 622.70	_ ft (ft	(/6")	(tsf)	(%)	After Hrs ft
Brown and Grav Silty CLAY	-	-			
brown and Gray Girly GEAT	_				
		2			
	_	3	1.4 S	26	
	618.70		0		
Brown Silty CLAY	-	3			
biomitony out		4	1.6 S	24	
	∇	4	3		
	-	2			
	_	3	1,5	26	
		5	S/15	-	
	_	1.			
	-1	4	1,6	24	
	611.20	6	3	_	
	011.20				
Brown and Gray Sandy Gravely Silty CLAY	-	2	1.3	19	
		5	S/15	88	
	_	-			
	1	1 3	1.0	21	
	606.70	5	S/10	21	
END OF BORING	1	-			
End of Boring	-				
	-	-			
		1			
	-21	1			

ROUTE FAP 10	DE	SCR	IPTIO	N_T	raffic S	Signals at US 67 and College Avenue LOGGED BY Larry Ford
SECTION261R		_ 1	OCA"	TION _	NW 1	/4, SEC. 12, TWP. 5N, RNG. 10W, 3 rd PM,
COUNTY Madison I	RILLIN	ME	THOD	_	Lutite	HAMMER TYPE
STRUCT. NO. Station	_	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: First Encounter Upon Completion ft After Hrs. ft
Brown Sandy, Gravely Silty CLAY (Fill)			3 5	1.3	19	
		-5	10 5 8	S/15	15	
			8	S/15	10	
	511.50		5	1.8 S/10	15	
Dark Gray Very Silty CLAY	510.50 510.00		9	2.7	16	
Original Ground Surplus Dark Gray Very Silty CLAY	509.00		13	S/5	10	
Brown and Gray Sandy Gravely Silty CLAY		Ξ	6 6 7	1.8 S/5	20	
	504.50	-15	2 4 7	1.5 S/10	22	
END OF BORING End of Boring						
		-20				

| COUNTY | Madison | DRILLING METHOD
| Station | DRILLING METHOD
| DRIVEN METHOD
| DRIVE

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulga, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, form 137 (Rev. 8-99)

ROUTE FAP 10	_ DE	SCR	IPTIO	4	Fraffic	Signals at US 67 and Pearl Street in Godfrey Larry Fo
SECTION 261TS-5 COUNTY Madison DR					SW 1.	/4, SEC. 23, TWP. 6N, RNG. 10W, 3 ^M PM, ide , Longitude Hand Auger HAMMER TYPE
STRUCT. NO. Station	_ _ _ _ _ n	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter 578.9 Upon Completion 4t After Hrs. ft
DOOK Bestier with Oller Oler			(/	2.0	6	Alter IIIs II
ROCK Parking with Silty Clay	588.40			1.5	19	
Brown and Gray Silty Sandy Clay TILL		4		1.8	21	
		_		1.8	18	
		_		2.0	19	
		-5	_	2.1	19	
		_		2.0	20	
				1.5	17	
		-		1.0	10	
		-		1.6	17	
		-10		0.5	15	
	-	_	_	1.5	15	
	577.40			_	_	
END OF HAND AUGER		_				
Pocket Penetrometer used for Qu		_				
End of Boring		-15			2	
		-				
		-				

he Unconfined Compressive Strength (UCS) Fallure Mode is indicated by (B-Bulge, S-Shear, P-Pe	enetrometer)
he SPT (N value) is the sum of the last two blow values in each sampling zone (ĀĀSHTO T206)	BBS, form 137 (Rev. 8-99)

Division of Highways ROUTE FAP 10 DE	SCRI	IPTIO	Tra	affic S	lignals at US 67 and Tay Godfrey	lor Avenue in	Date4/9/01_
SECTION261R 1			non	SEC	26. TWP. 6N. RNG. 104		
COUNTY Madison DRILLING				Latitu	ide , Longitude Ilow Stem Auger		Automatic 140#
STRUCT. NO. Station	D E P T	B L O W	U C S	M O I S	Surface Water Elev Stream Bed Elev	m	
BORING NO. TS-2 (NE Quad) Station 12+216.5 Offset 17.00 m Right Ground Surface Elev. 189.93 m	н	S (/150	Qu (kPa)	T (%)	Groundwater Elev.: First Encounter Upon Completion After Hrs.	m	
Brown Silty CLAY							
	\equiv	3					
	\exists	5	268 \$/20	26			
	-1.5	2					
		3 5	144 S/10	28			
	-	2	96				
	3	3	B	28			
	-3.0	2	96				
	-	2	8/10	27			
		2	105				
	_	2	\$/10	26			
	-4,5	2	96				j
185.05 END OF BORING		4	\$/10	25			
End of Boring							
	-6.0						

SCALE:

•	AMES Engineering, Inc.	-
\bigcap	CONSULTING ENGINEERS	
	6330 Belmont Road, Suite 4B	
	Downers Grove, IL 60516	

	USER NAME = Srahman	DESIGNED	-	TM	REVISED -
•		DRAWN	-	TM	REVISED -
-	PLOT SCALE = 40.0000 '/ 10.	CHECKED	-	AS	REVISED -
	PLOT DATE = 3/9/2021	DATE	-	03-12-2021	REVISED -

STATE OF ILLINOIS						
DEPARTMENT	0F	TRANSPORTATION				