

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%

STATE OF ILLINOIS 06-11-202 LETTING ITEM 071

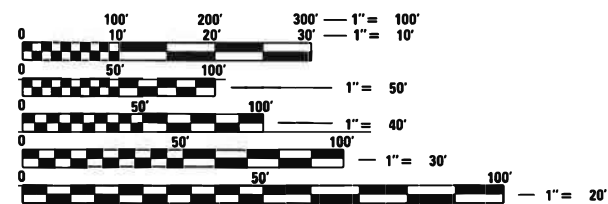
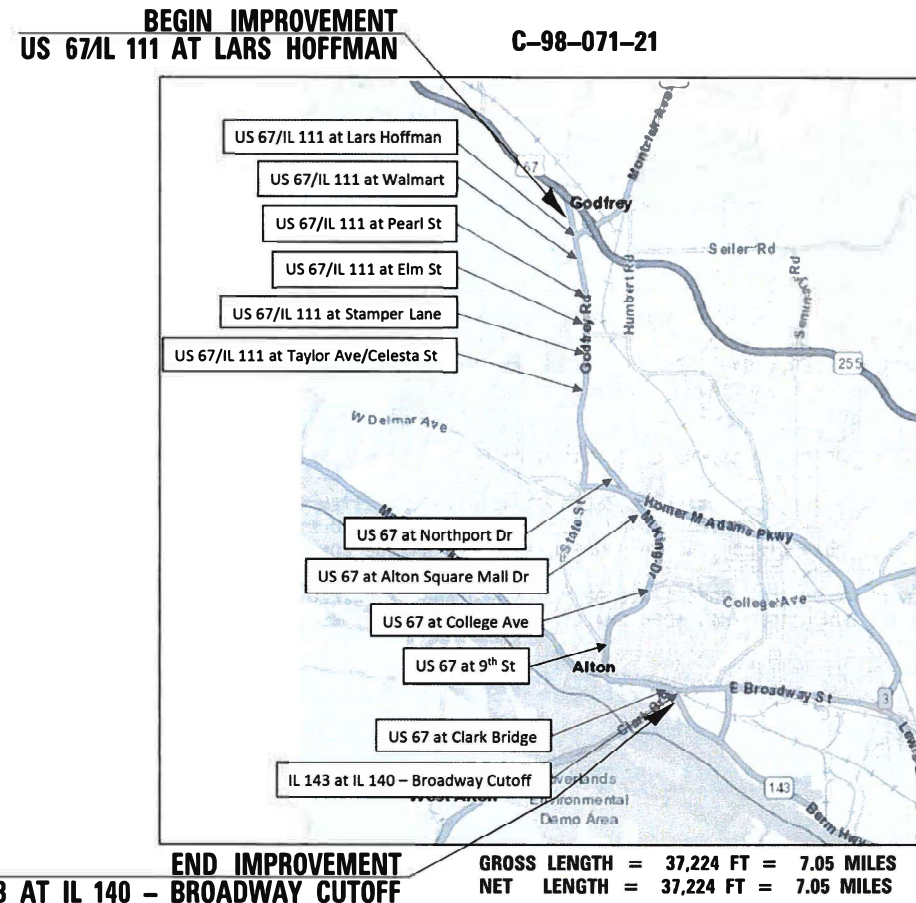
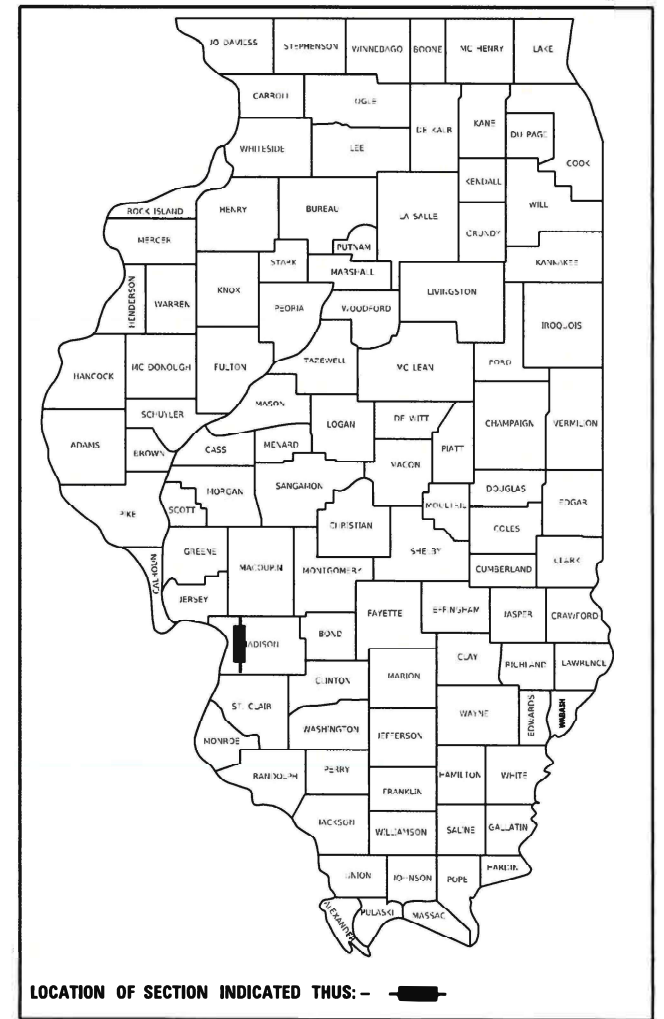
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406) TS-1	MADISON	29	1
		ILLINOIS	CONTRACT NO. 76P33	

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

D-98-040-21

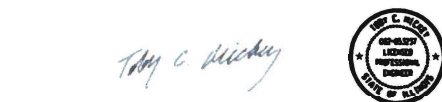
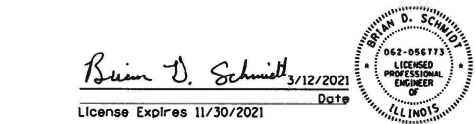
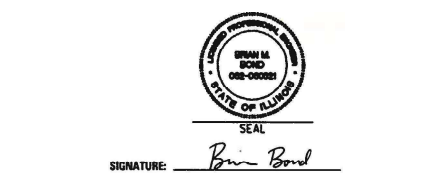


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 76P33



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED *March 18, 2021*
Keith Roberts
 REGIONAL ENGINEER

May 7, 2021
Scott A. Etk
 ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
Jerry J. G...
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

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ELECTRICAL GENERAL NOTES:

- 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.
- BACKPLATES SHALL BE ABS PLASTIC.
- 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.
- ALL TRAFFIC CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- 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.
- 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
- 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.

TRAFFIC SIGNALS LEGEND

RREC	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
PVCC	POLYVINYL CHLORIDE CONDUIT
GSC	GALVANIZED STEEL CONDUIT
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING SIGNAL HEAD WITH BACKPLATE
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING DETECTOR LOOP
	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
	PROPOSED CONTROLLER WITH BATTERY BACKUP
	PROPOSED VIDEO CAMERA
	PROPOSED SIGNAL POST
	PROPOSED SERVICE INSTALLATION
	PROPOSED VIDEO DETECTION ZONE

HIGHWAY STANDARDS

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

REV. - MS

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	90% FED 10% STATE	
				TRAFFIC SIGNALS	
				0021	URBAN
67100100	MOBILIZATION	L SUM	1	1	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	130	130	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DAY	8	8	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
* 66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1	1	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	375	375	
* 66900530	SOIL DISPOSAL ANALYSIS	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	
* 72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	42	42	
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	
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	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6,928	6,928	
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	
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1	
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	3	3	
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	3	3	
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	1	
87702985	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2	2	
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1	1	
87702728	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 36 FT.	EACH	1	1	

* SPECIALTY ITEM

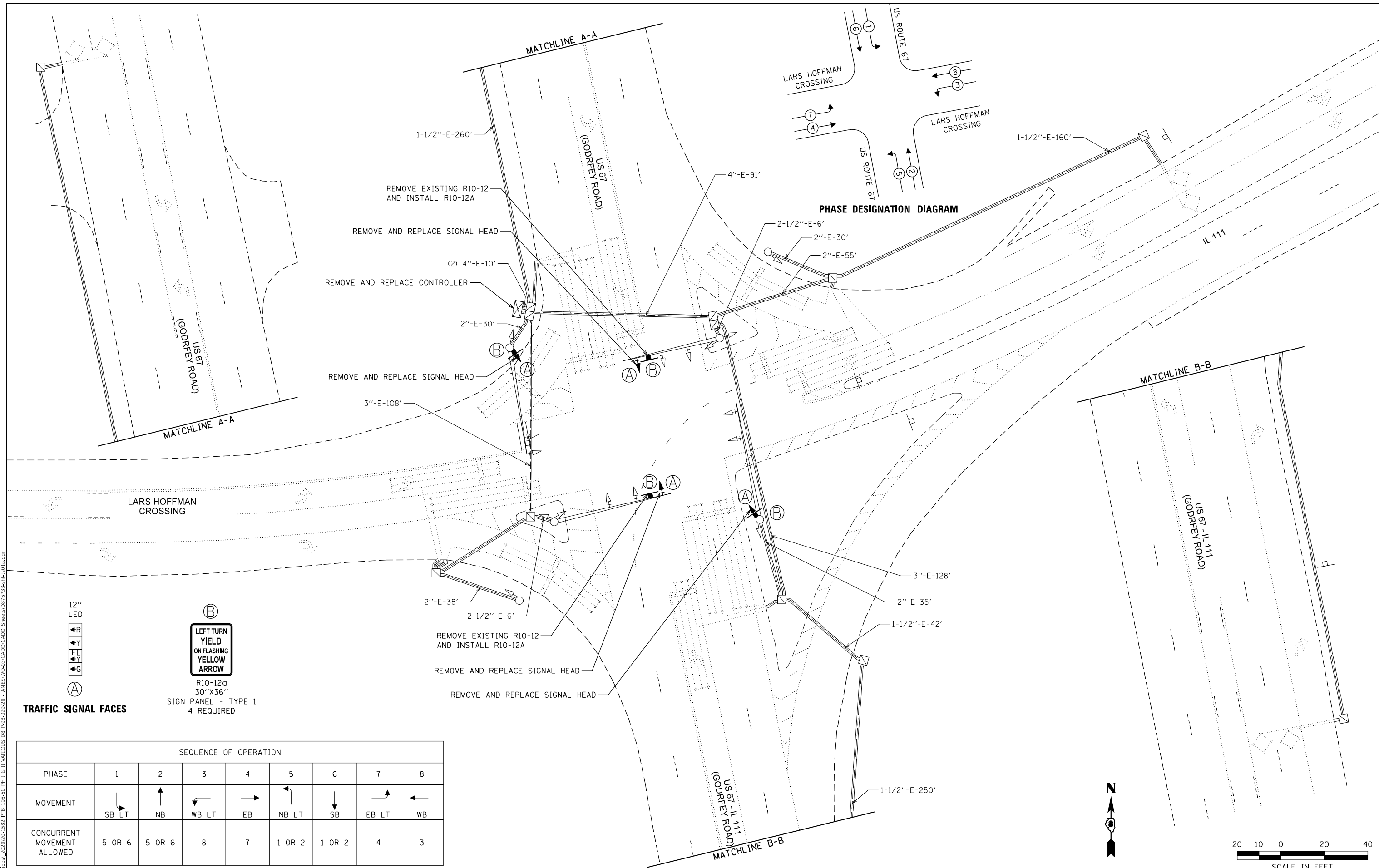
SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	90% FED 10% STATE	
				TRAFFIC SIGNALS	
				0021	URBAN
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4	4	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	239	239	
87900200	DRILL EXISTING HANDHOLE	EACH	19	19	
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	
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	25	25	
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	25	25	
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	20	20	
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	5	5	
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	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	17	17	
X8570010	CONTROLLER, TRAFFIC SIGNAL	EACH	2	2	
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2	2	
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	HOURL	500	500	
X8950301	REMOVE EXISTING TRAFFIC SIGNAL POST	EACH	1	1	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500	
X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	28	28	

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TRAFFIC SIGNAL FACES

12" LED

- ⬆R
- ⬆Y
- ⬆L
- ⬆G

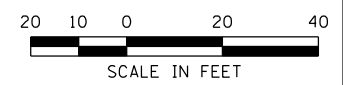
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LEFT TURN YIELD ON FLASHING YELLOW ARROW

R10-12a
30"X36"
SIGN PANEL - TYPE 1
4 REQUIRED

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	8	7	1 OR 2	1 OR 2	4	3



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


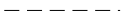






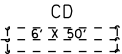
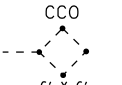
**TRAFFIC SIGNAL DETAILS
US ROUTE 67 & LARS HOFFMAN CROSSING**

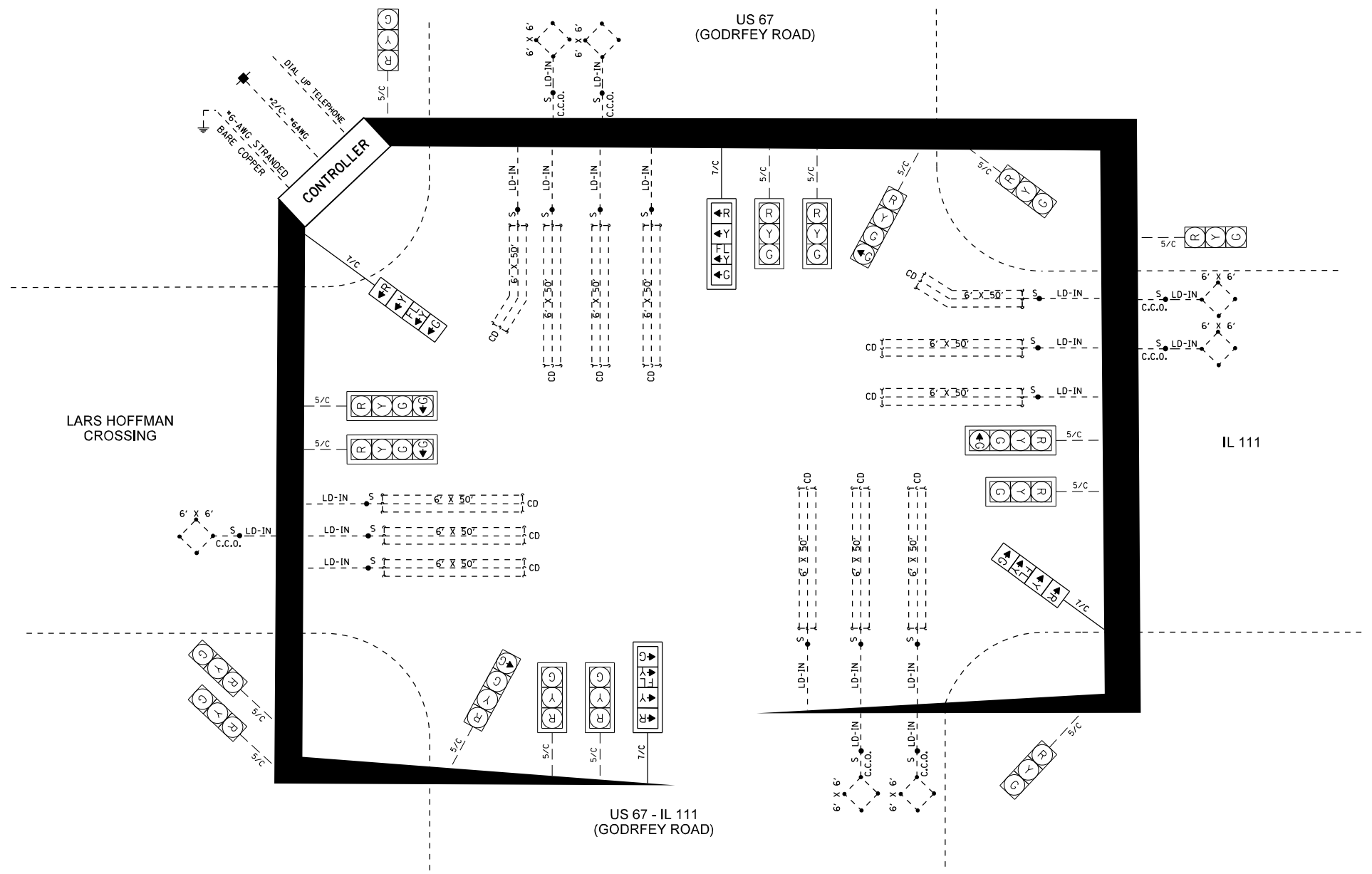
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261.406)TS-1	MADISON	29	4
ILLINOIS FED. AID PROJECT			HSIP-WN15(285)	

CONTRACT NO. 76P33

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  INDICATES NUMBER OF CONDUCTORS IN CABLE
-  EXISTING SERVICE INSTALLATION
-  PROPOSED BATTERY BACKUP
-  EXISTING VIDEO DETECTION ZONE
-  EXISTING VIDEO CAMERA
-  INDICATES AMERICAN WIRE GAUGE (AWG) SIZE
6 CONDUCTORS (SEE GENERAL NOTES)
-  CALL DELAY LOOP (SIZE AS SHOWN)
-  CALL CARRY OVER LOOP (SIZE AS SHOWN)



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

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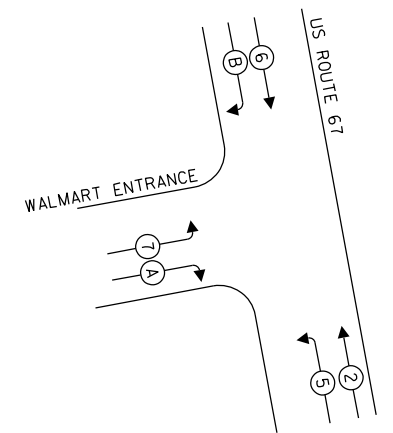
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

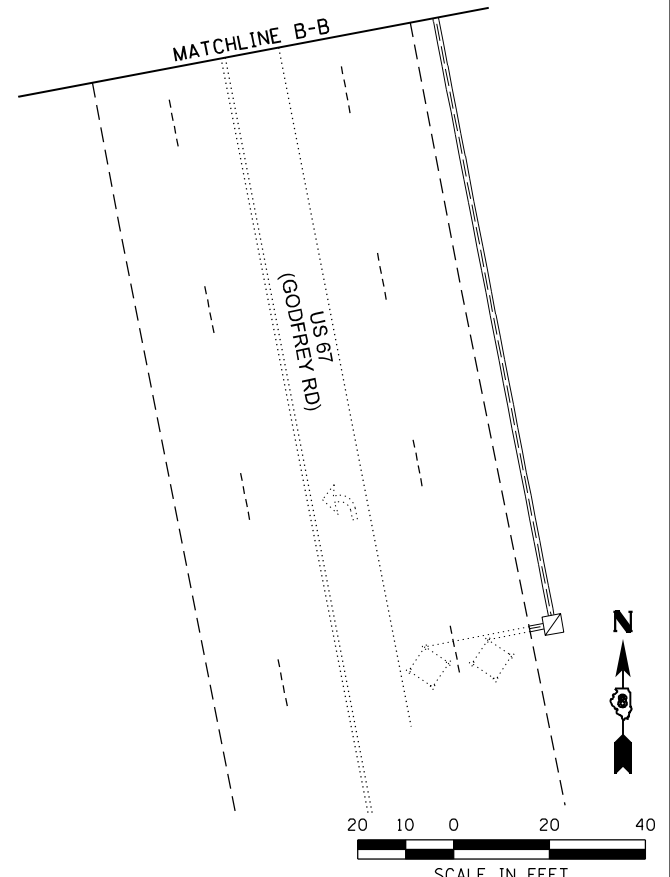
TRAFFIC SIGNAL DETAILS
US ROUTE 67 & LARS HOFFMAN CROSSING
 SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261.406)TS-1	MADISON	29	5
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT HSIP-WN15(285)				

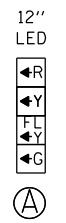
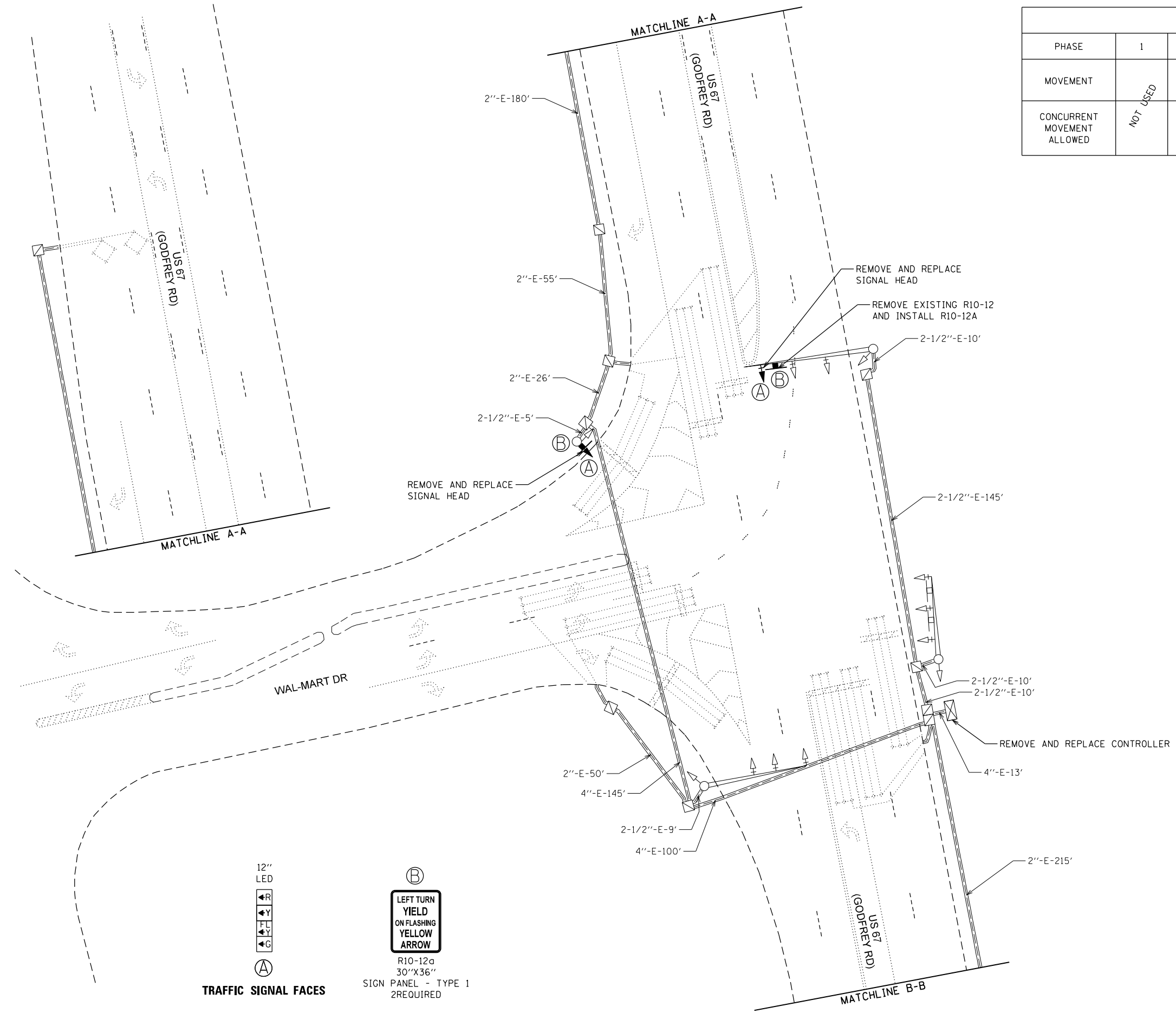
SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↑ NB	NOT USED	NOT USED	↖ NBLT	↓ SB	↗ EBLT	NOT USED
CONCURRENT MOVEMENT ALLOWED	NOT USED	5 OR 6	NOT USED	NOT USED	2 + OL A	2 + OL B	OL A + OL B	NOT USED



PHASE DESIGNATION DIAGRAM



SCALE IN FEET



TRAFFIC SIGNAL FACES



SIGN PANEL - TYPE 1
R10-12a
30"X36"
2REQUIRED

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/9/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

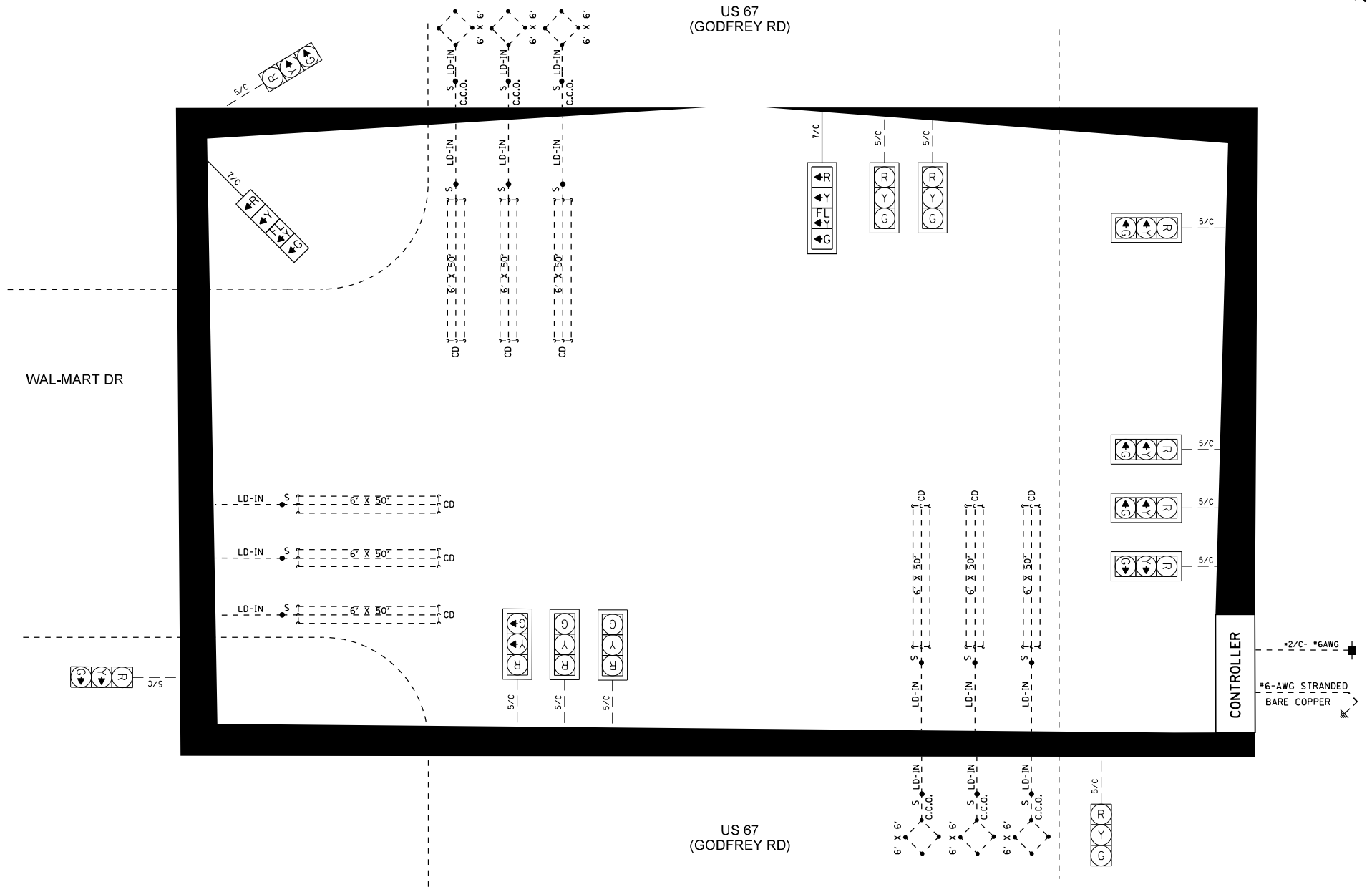
TRAFFIC SIGNAL DETAILS
US ROUTE 67 & WAL-MART DR

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261.406)TS-1	MADISON	29	6
CONTRACT NO. 76P33			ILLINOIS FED. AID PROJECT HSIP-WN15(285)	

CABLE DIAGRAM LEGEND

- 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
- #6 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)



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

MODEL: D:\p4\h...
 FILE NAME: G:\EIT\051_2020\20-1582_PTB_195-60_P1.1 & 11 VARIOUS DB P-05-02-20 - AMESW003\CADD\CADD_SHEET\10878033-INT-EG02b.dgn



USER NAME = bschm	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL DETAILS
US ROUTE 67 & WAL-MART DR**

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261.406)TS-1	MADISON	29	7
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT HSIP-WN15(285)				

12" LED
 ←R
 ←Y
 FL
 ←Y
 ←G

(A)
TRAFFIC SIGNAL FACES

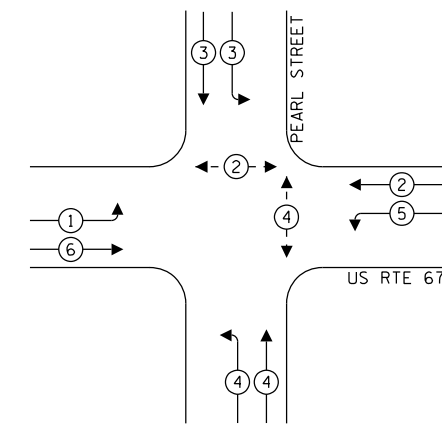
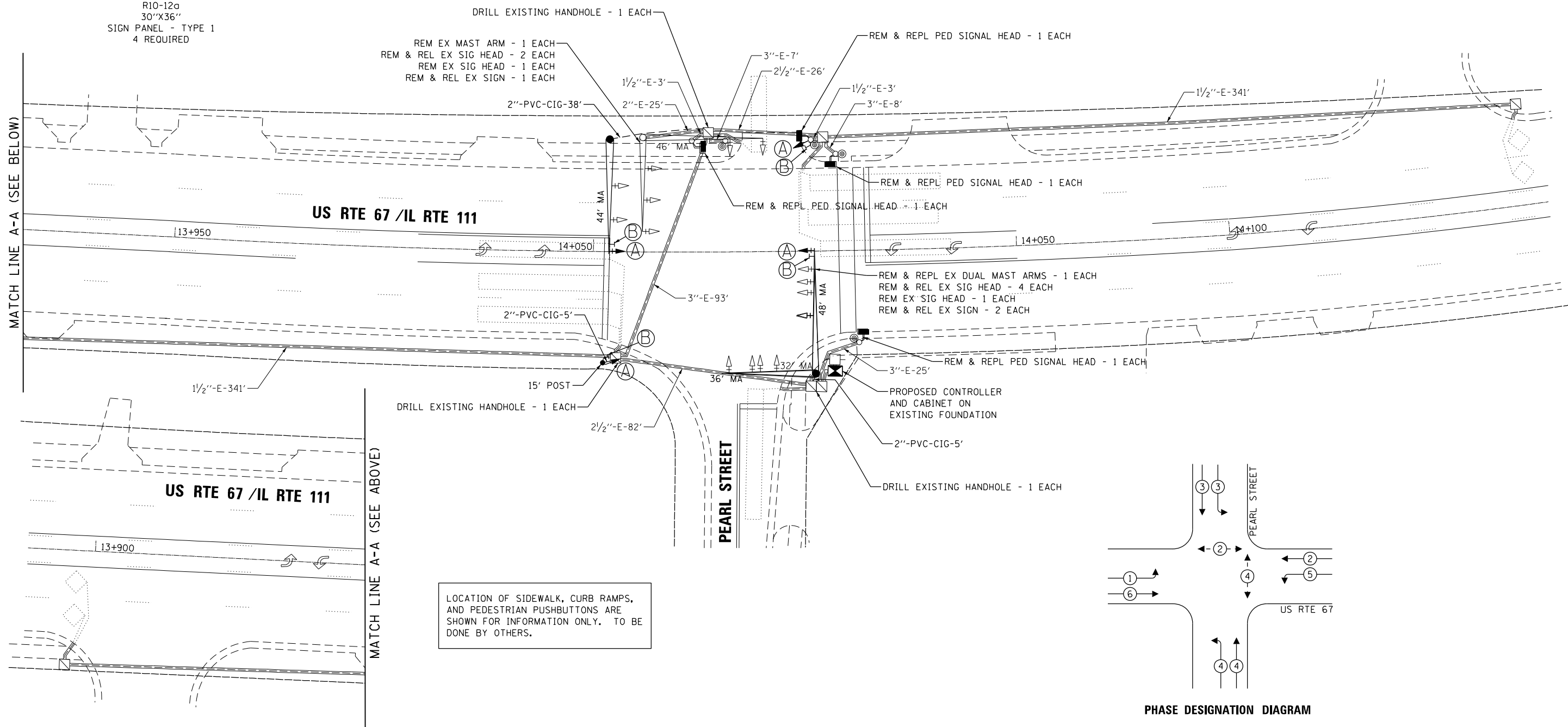
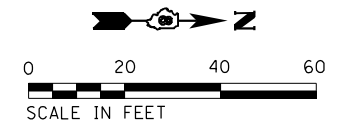
(B)

LEFT TURN
 YIELD
 ON FLASHING
 YELLOW
 ARROW

R10-12a
 30"X36"
 SIGN PANEL - TYPE 1
 4 REQUIRED

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NBLT	SB	EB	WB	SBLT	NB	NOT USED	NOT USED
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	NOT USED	NOT USED

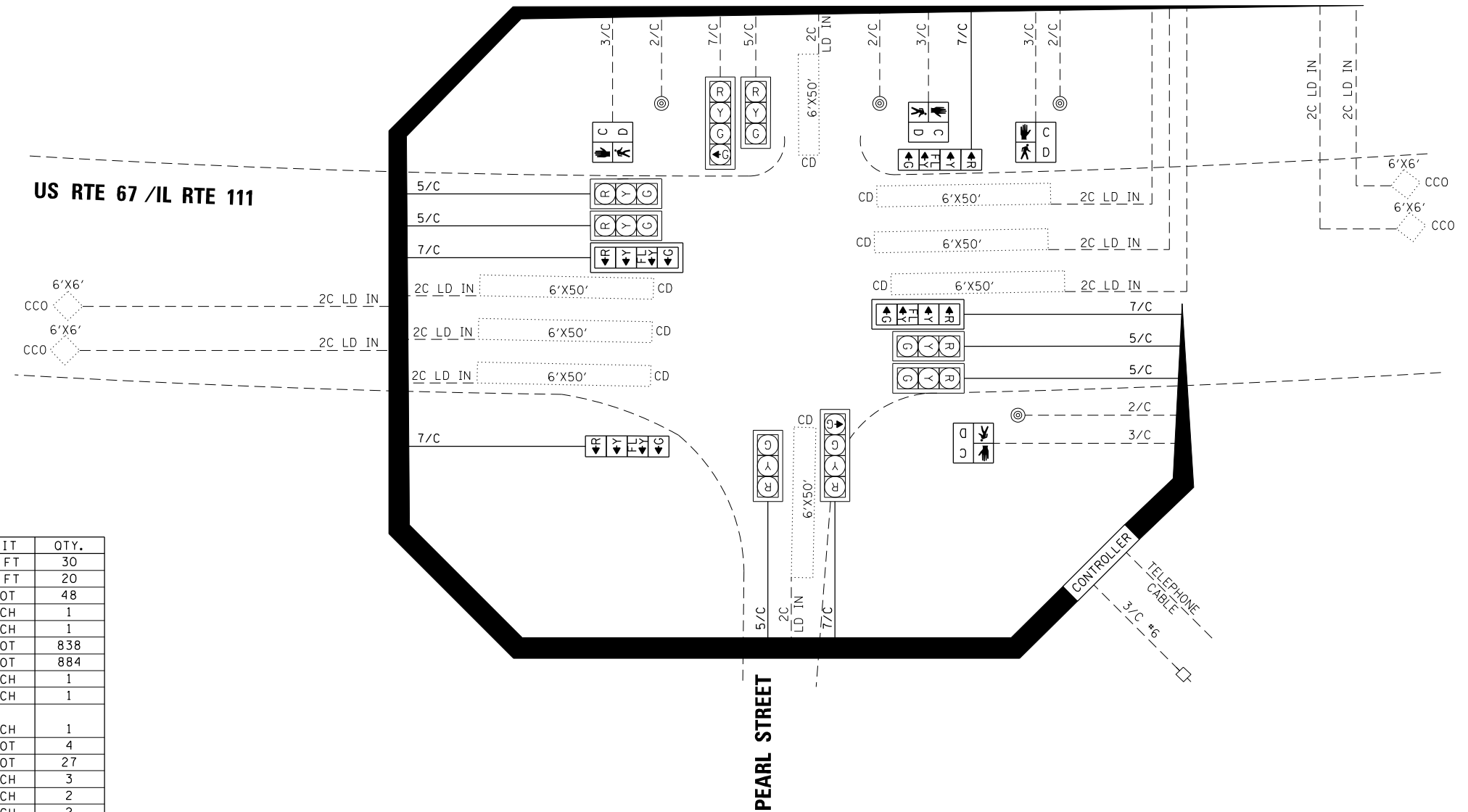
• - PEDESTRIAN SIGNALS BY PUSHBUTTON ACTIVATION ONLY



PHASE DESIGNATION DIAGRAM

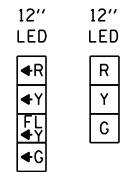
CABLE DIAGRAM LEGEND

- 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
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE
6 CONDUCTORS (SEE GENERAL NOTES)
- LD IN ELECTRIC CABLE LEAD-IN 1 PAIR
- CCO CALL CARRY OVER
- CD CALL DELAY
- ☐ C PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- ☐ D PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



SCHEDULE OF QUANTITIES

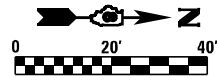
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	30
RELOCATE SIGN PANEL - TYPE 1	SQ FT	20
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	48
MAINTENANCE OF EXISTING TRAFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	838
ELECTRIC 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



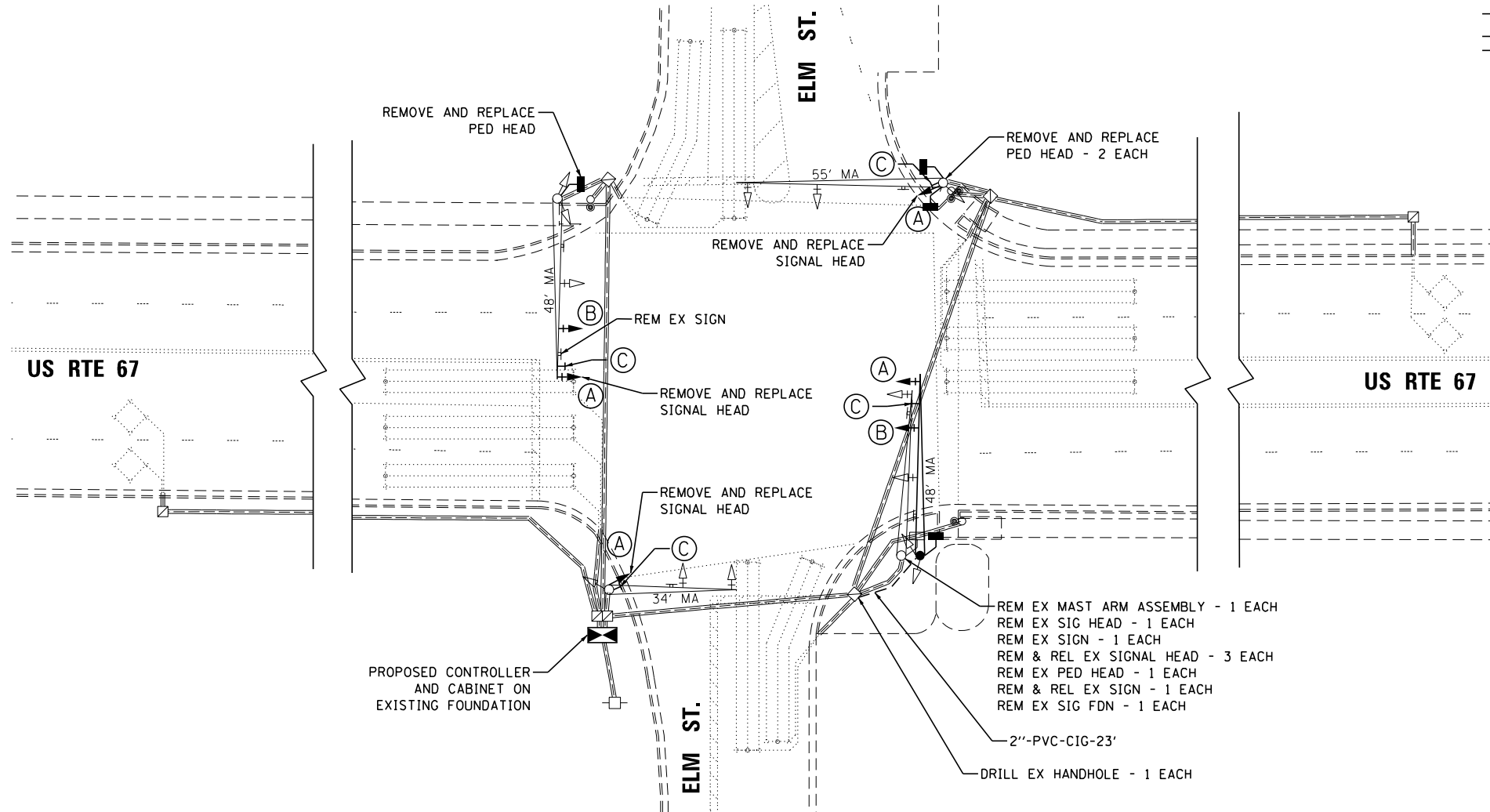
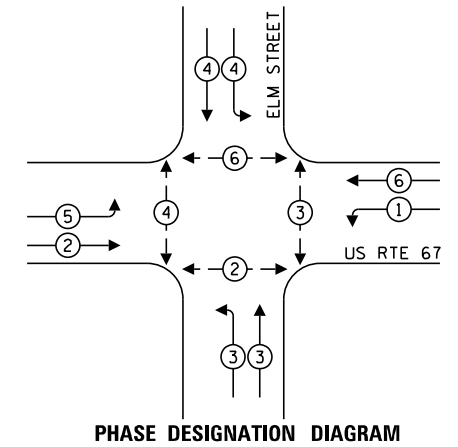
TRAFFIC SIGNAL FACES



R10-12a
30"X36"
SIGN PANEL - TYPE 1
4 REQUIRED



SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	SBLT	NB	WBLT EBLT	NBLT SB			NOT USED	NOT USED
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	NOT USED	NOT USED



- REM EX MAST ARM ASSEMBLY - 1 EACH
- REM EX SIG HEAD - 1 EACH
- REM EX SIGN - 1 EACH
- REM & REL EX SIGNAL HEAD - 3 EACH
- REM EX PED HEAD - 1 EACH
- REM & REL EX SIGN - 1 EACH
- REM EX SIG FDN - 1 EACH
- 2"-PVC-CIG-23'
- DRILL EX HANDHOLE - 1 EACH

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



USER NAME = SAizebari	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 OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
US RTE 67 AT ELM STREET

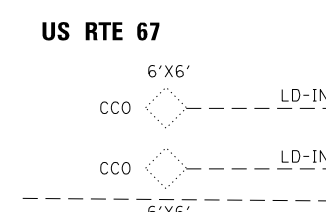
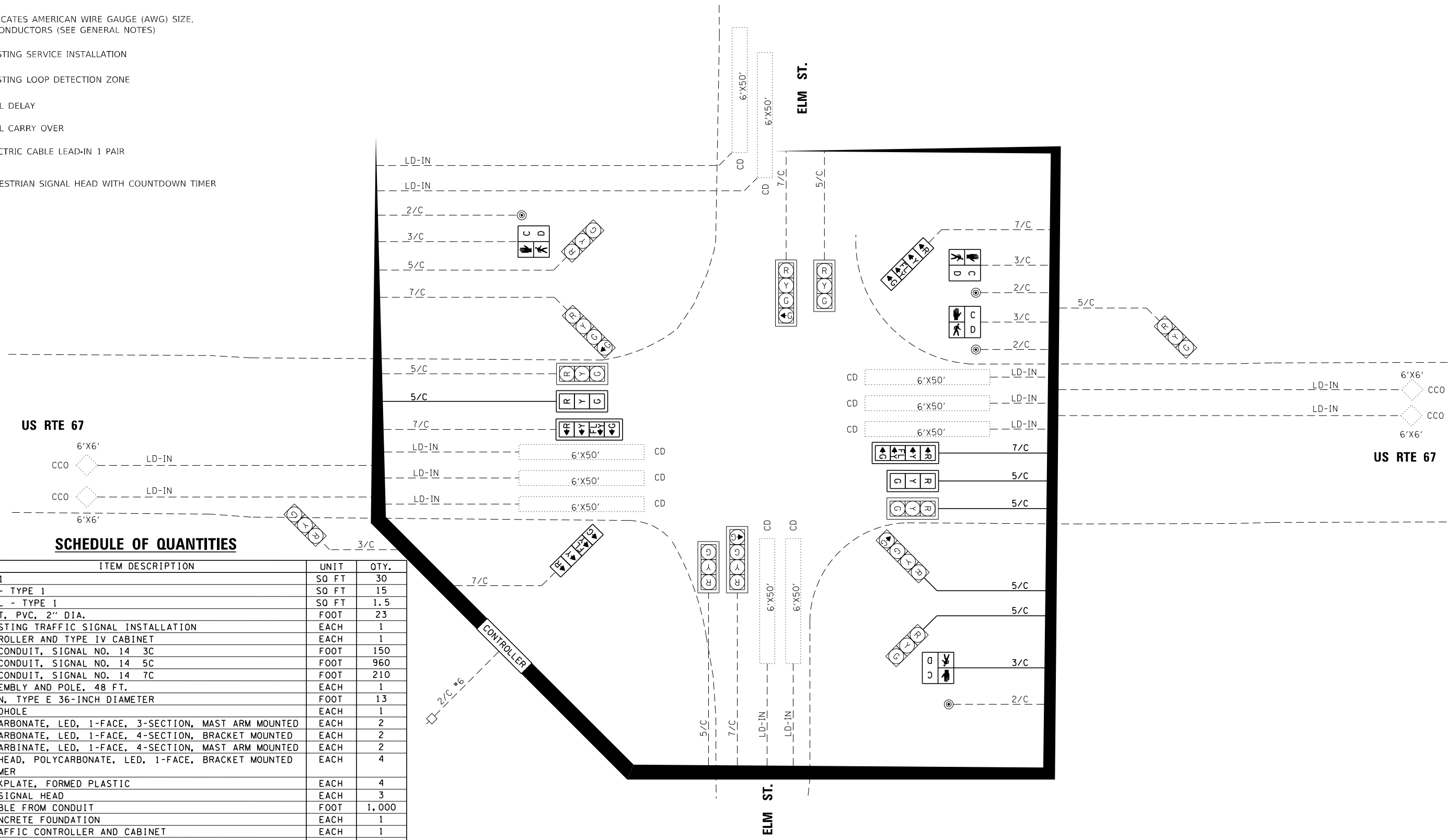
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406) TS-1	MADISON	29	10
CONTRACT NO. 76P33				

ILLINOIS FED. AID PROJECT

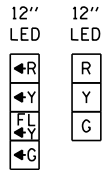
CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE, 6 CONDUCTORS (SEE GENERAL NOTES)
- ☐ EXISTING SERVICE INSTALLATION
- ☐ EXISTING LOOP DETECTION ZONE
- CD CALL DELAY
- CCO CALL CARRY OVER
- LD-IN ELECTRIC CABLE LEAD-IN 1 PAIR
- ☐ C D PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



SCHEDULE OF QUANTITIES

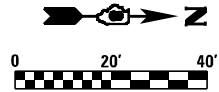
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	30
REMOVE SIGN PANEL - TYPE 1	SQ FT	15
RELOCATE SIGN PANEL - TYPE 1	SQ FT	1.5
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	23
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	150
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	960
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	210
STEEL MAST ARM ASSEMBLY AND POLE, 48 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, MAST ARM MOUNTED	EACH	2
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 COUNT DOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,000
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	4
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



TRAFFIC SIGNAL FACES

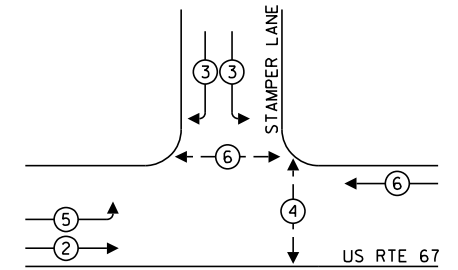


R10-12a
30"X36"
SIGN PANEL - TYPE 1
2 REQUIRED

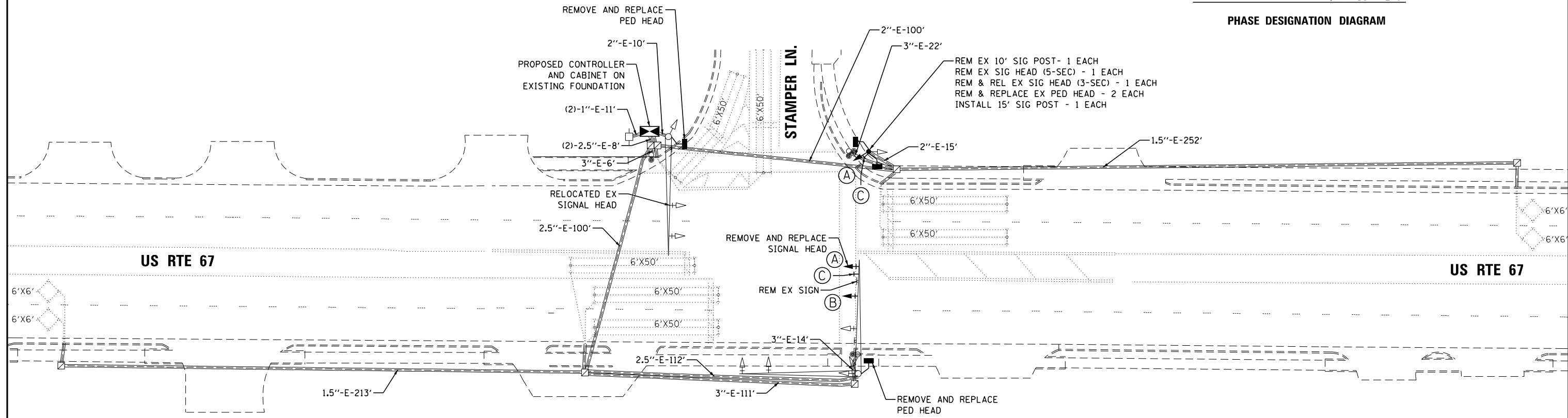


SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	NB	EB	WB*	NBLT	SB*	NOT USED	NOT USED
CONCURRENT MOVEMENT ALLOWED	NOT USED	5 OR 6	NONE	NONE	2	2	NOT USED	NOT USED

*PEDESTRIAN SIGNAL ACTUATED BY PUSH BUTTON ONLY. PHASE 4 IS EXCLUSIVE PEDESTRIAN MOVEMENT.



PHASE DESIGNATION DIAGRAM



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




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

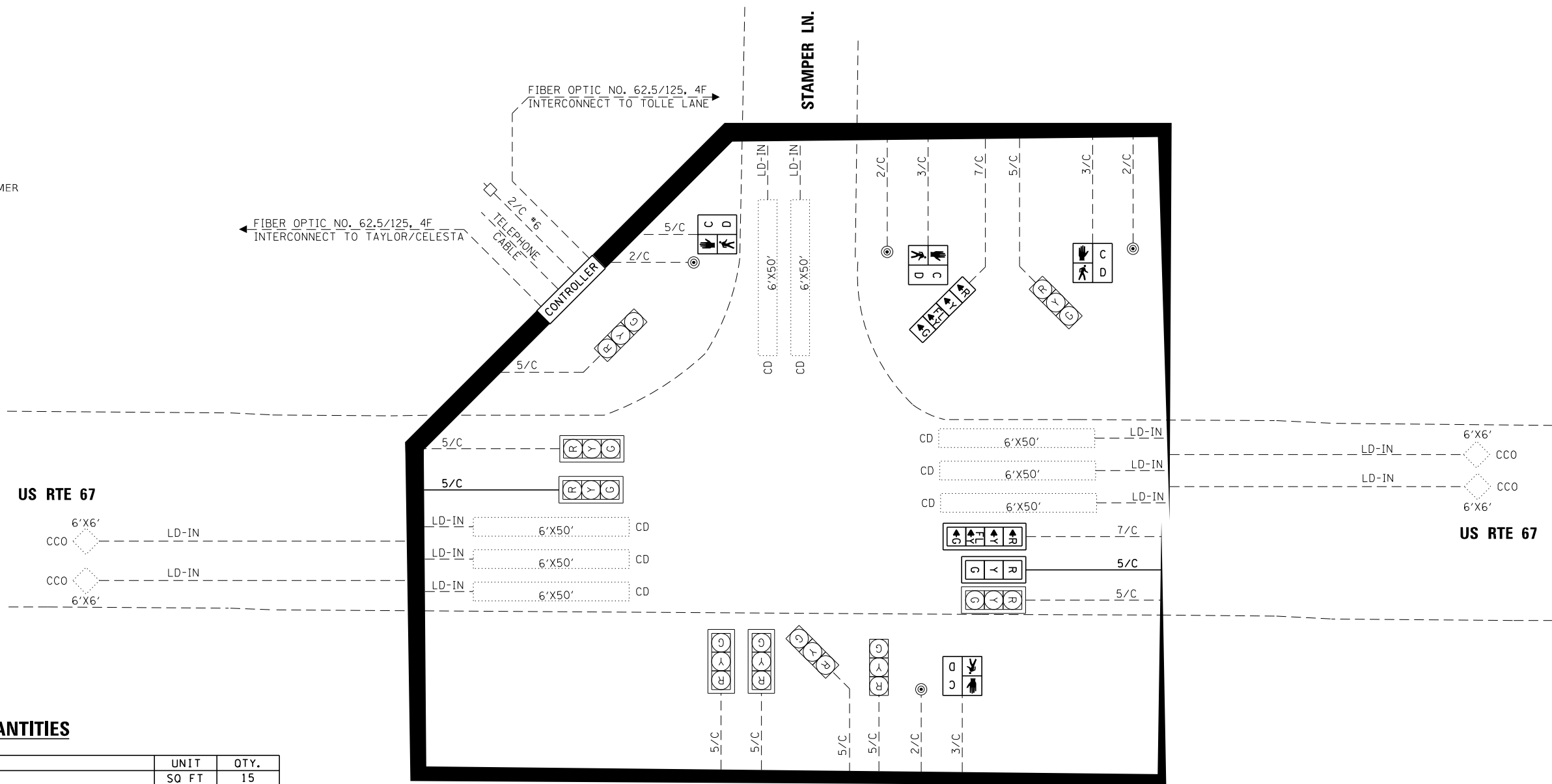
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
US RTE 67 AT STAMPER LANE
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406) TS-1	MADISON	29	12
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE, 6 CONDUCTORS (SEE GENERAL NOTES)
- ☐ EXISTING SERVICE INSTALLATION
- ☐ EXISTING LOOP DETECTION ZONE
- CD CALL DELAY
- CCO CALL CARRY OVER
- LD-IN ELECTRIC CABLE LEAD-IN 1 PAIR
-  PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	15
REMOVE SIGN PANEL - TYPE 1	SQ FT	7.5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	410
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
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
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	70
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	2
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4



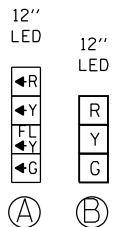
USER NAME = SAizebari	DESIGNED - NN	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - SA	REVISED -
PLOT DATE = 3/10/2021	CHECKED - TK	REVISED -
	DATE - 03-12-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL DETAILS
US RTE 67 AT STAMPER LANE**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406) TS-1	MADISON	29	13
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				



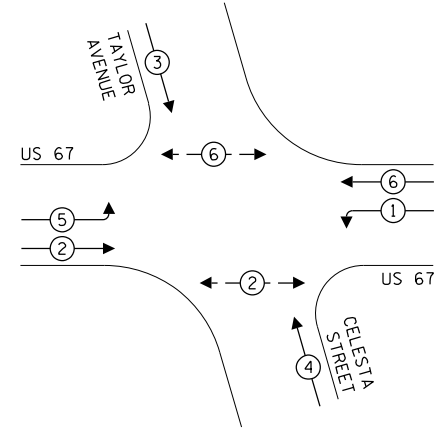
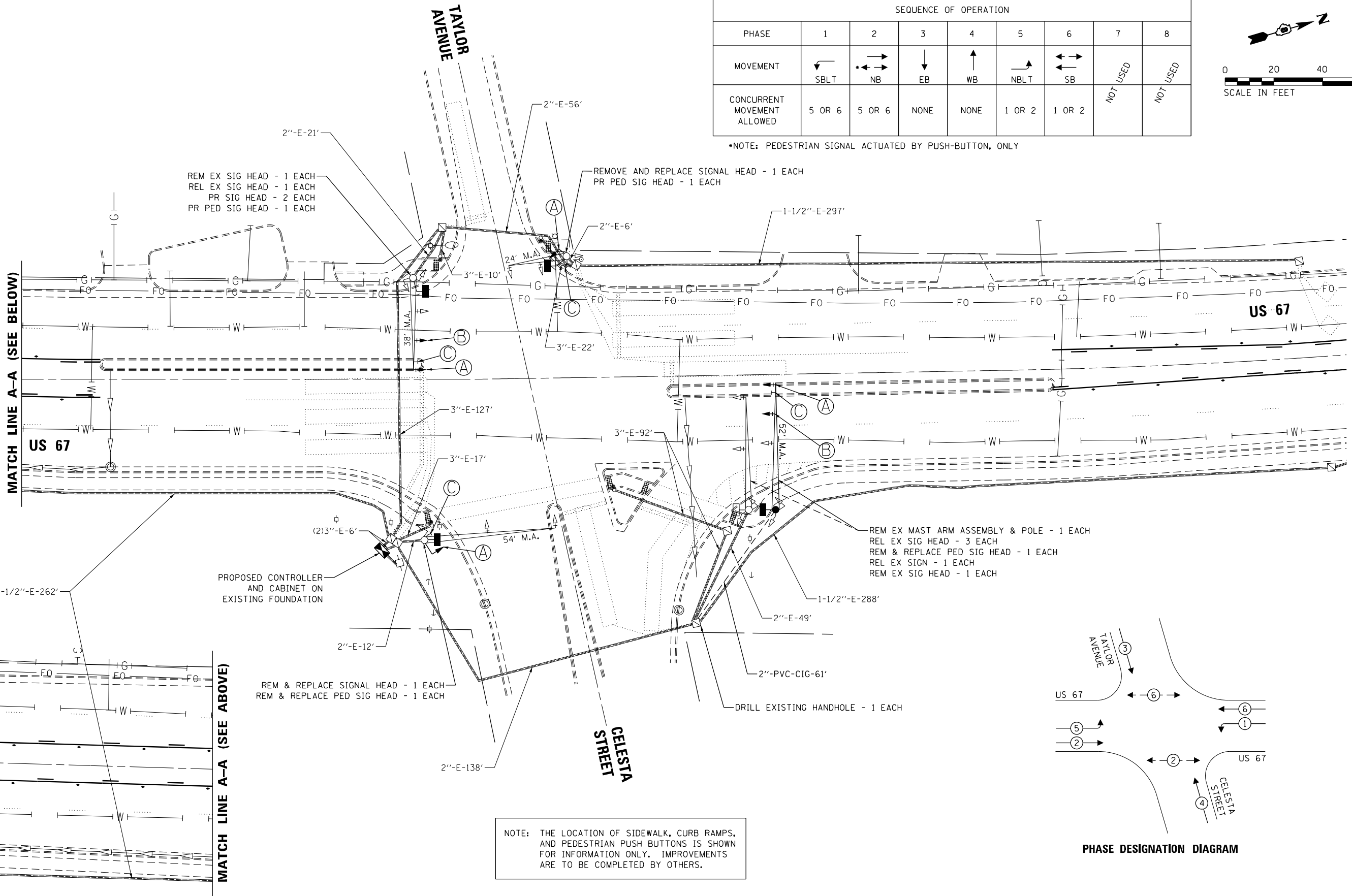
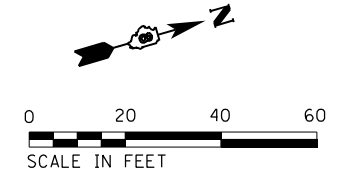
TRAFFIC SIGNAL FACE



LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-12g
30"X36"
SIGN PANEL - TYPE 1
4 REQUIRED

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	NOT USED	NOT USED

*NOTE: PEDESTRIAN SIGNAL ACTUATED BY PUSH-BUTTON, ONLY



PHASE DESIGNATION DIAGRAM

NOTE: THE LOCATION OF SIDEWALK, CURB RAMPS, AND PEDESTRIAN PUSH BUTTONS IS SHOWN FOR INFORMATION ONLY. IMPROVEMENTS ARE TO BE COMPLETED BY OTHERS.



USER NAME = bband	DESIGNED - GSH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - GSH	REVISED -
PLOT DATE = 3/11/2021	CHECKED - BMB	REVISED -
	DATE - 03-12-2021	REVISED -

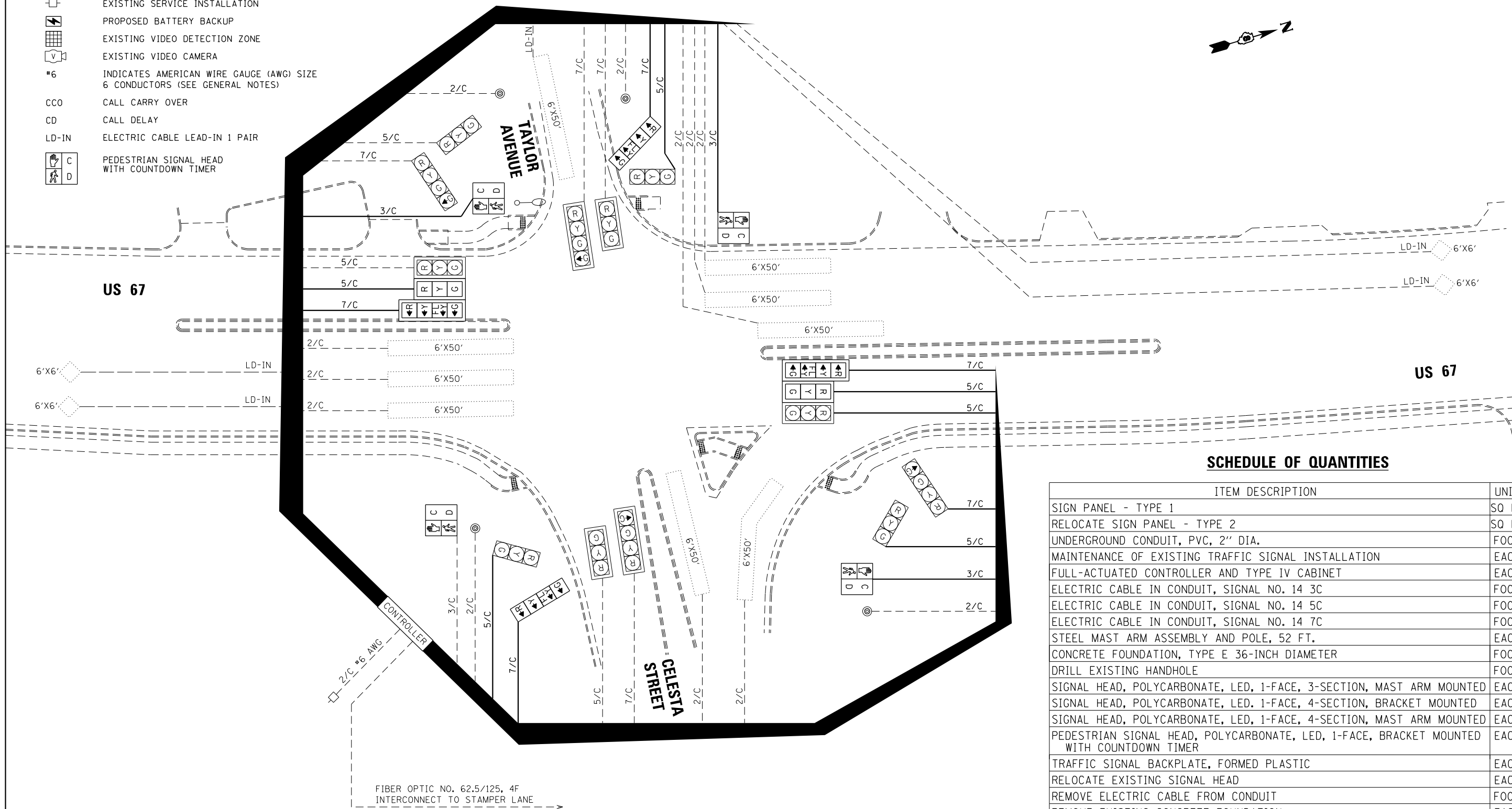
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
US 67 AND TAYLOR AVENUE / CELESTA STREET
SCALE: 1" = 20' SHEET 14 OF 27 SHEETS STA. TO STA.

F.A.P. RTE. 10	SECTION (261,406)TS-1	COUNTY MADISON	TOTAL SHEETS 29	SHEET NO. 14
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- 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
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE
6 CONDUCTORS (SEE GENERAL NOTES)
- CCO CALL CARRY OVER
- CD CALL DELAY
- LD-IN ELECTRIC CABLE LEAD-IN 1 PAIR
- Ⓜ C PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- Ⓜ 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 2	SQ FT	12
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	61
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	678
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,038
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,075
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
DRILL EXISTING HANDHOLE	FOOT	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	2
SIGNAL HEAD, POLYCARBONATE, 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	4
RELOCATE EXISTING SIGNAL HEAD	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,771
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	4
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



USER NAME = bband	DESIGNED - GSH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - GSH	REVISED -
PLOT DATE = 3/11/2021	CHECKED - BMB	REVISED -
	DATE - 03-12-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
US 67 AND ALTON TAYLOR AVENUE / CELESTA STREET

SCALE: N.T.S. SHEET 15 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	15
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

12" LED

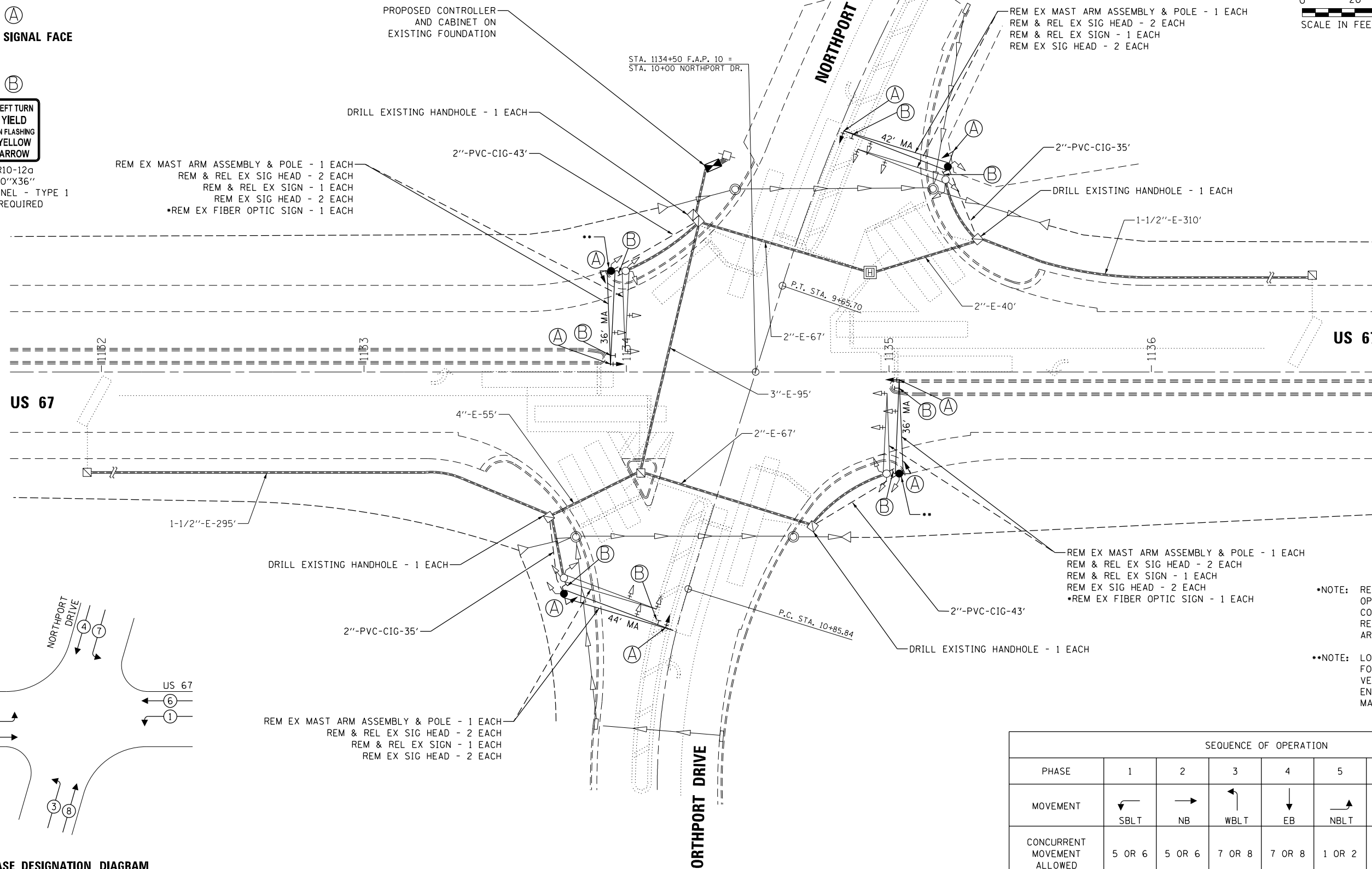
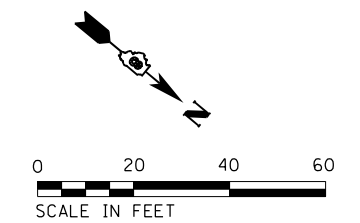


TRAFFIC SIGNAL FACE

(B)

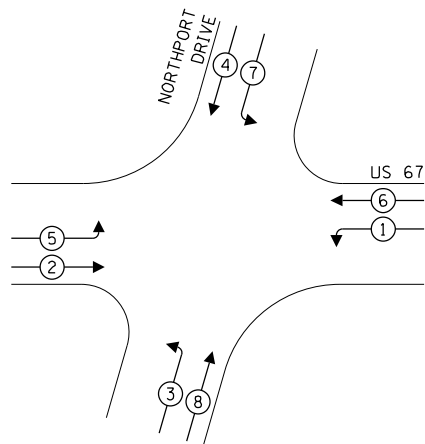


R10-12a
30"X36"
SIGN PANEL - TYPE 1
8 REQUIRED



•NOTE: REMOVAL OF EXISTING FIBER OPTIC SIGN SHALL BE CONSIDERED INCLUDED IN THE REMOVAL OF THE EXISTING MAST ARM ASSEMBLY AND POLE.

••NOTE: LOCATION OF MAST ARM FOUNDATIONS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO ORDERING MATERIALS.



PHASE DESIGNATION DIAGRAM

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



USER NAME = bband	DESIGNED - GSH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - GSH	REVISED -
PLOT DATE = 3/11/2021	CHECKED - BMB	REVISED -
	DATE - 03-12-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

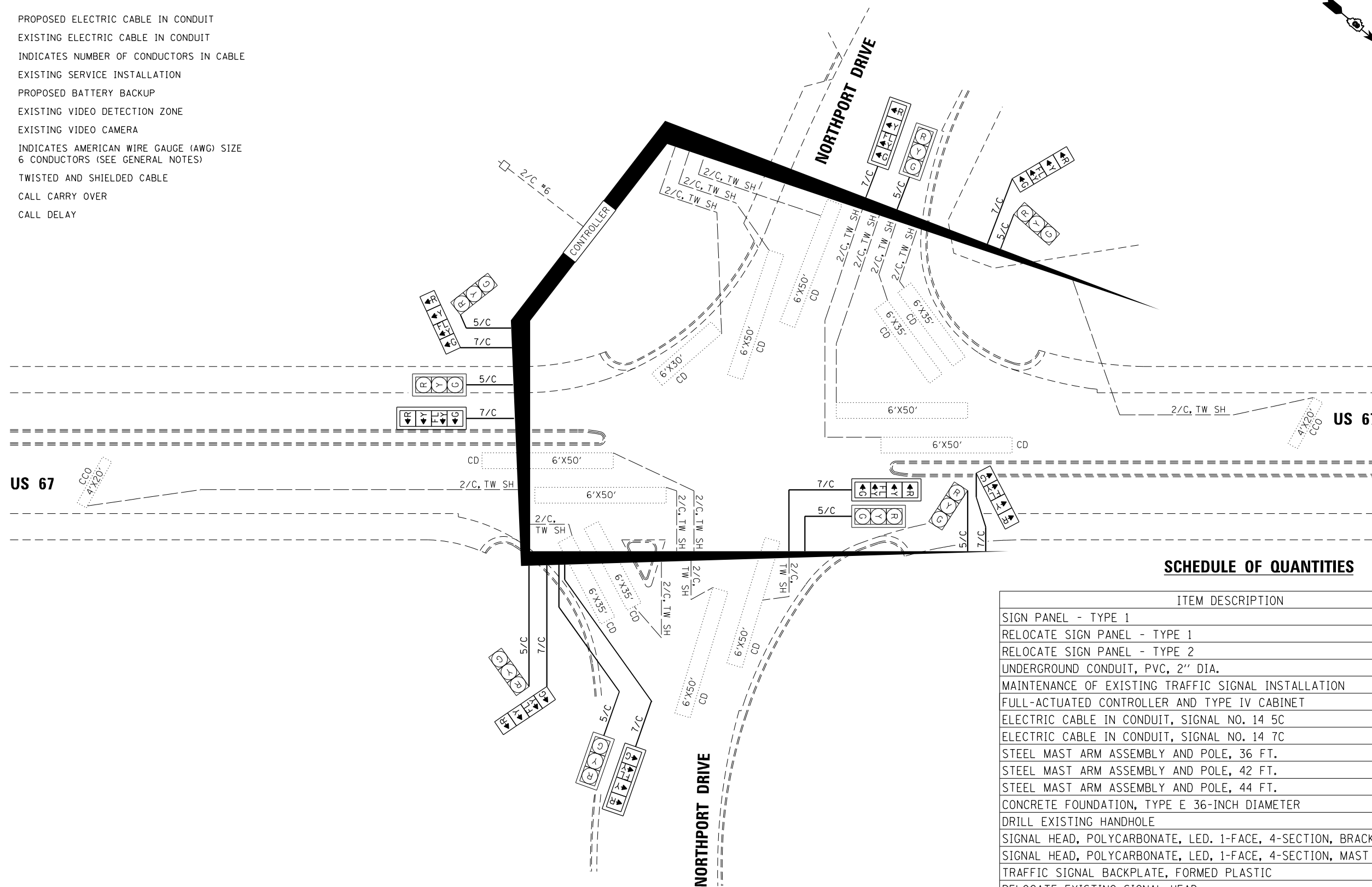
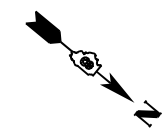
TRAFFIC SIGNAL DETAILS
US 67 AND NORTHPORT DRIVE

SCALE: 1" = 20' SHEET 16 OF 27 SHEETS STA. TO STA.

F.A.P. RTE. 10	SECTION (261,406)TS-1	COUNTY MADISON	TOTAL SHEETS 29	SHEET NO. 16
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- 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
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE
6 CONDUCTORS (SEE GENERAL NOTES)
- TW SH TWISTED AND SHIELDED CABLE
- CCO CALL CARRY OVER
- CD CALL DELAY



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	60
RELOCATE SIGN PANEL - TYPE 1	SQ FT	18
RELOCATE SIGN PANEL - TYPE 2	SQ FT	20
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	156
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,694
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,747
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
DRILL EXISTING HANDHOLE	FOOT	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,028
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



USER NAME = bband	DESIGNED - GSH	REVISED -
	DRAWN - GSH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BMB	REVISED -
PLOT DATE = 3/11/2021	DATE - 03-12-2021	REVISED -

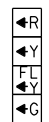
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL DETAILS
US 67 AND NORTHPORT DRIVE**

SCALE: N.T.S. SHEET 17 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	17
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

12"
LED

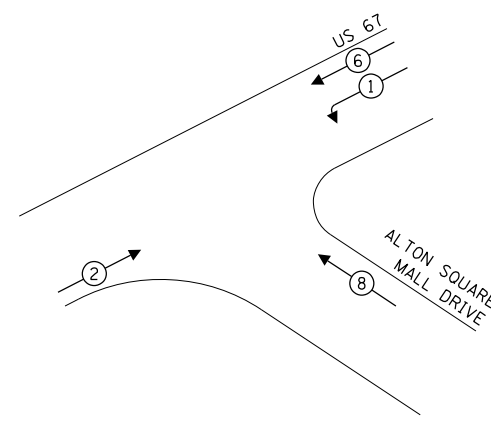
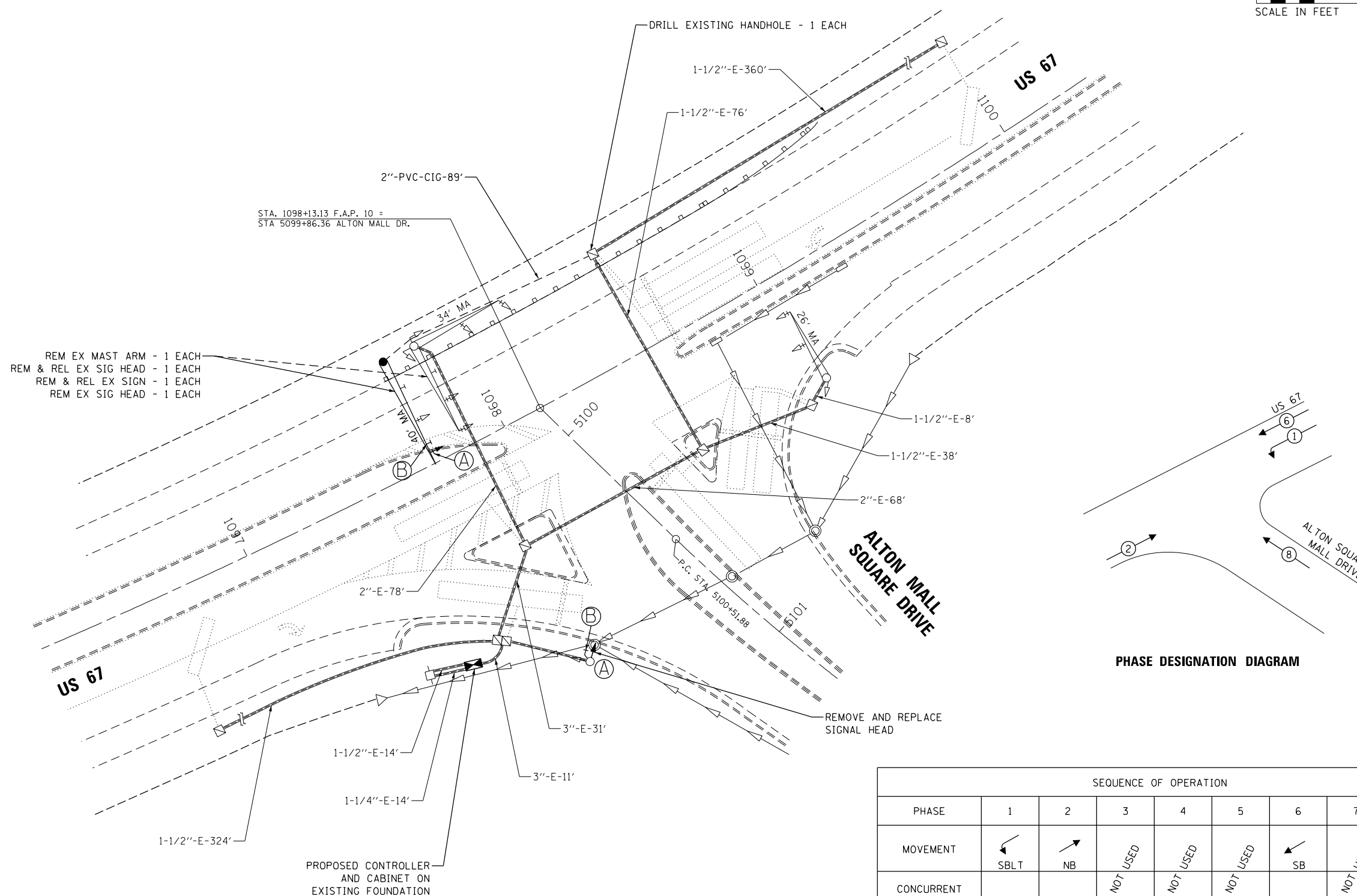
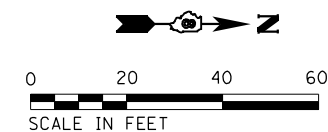


TRAFFIC SIGNAL FACE



LEFT TURN
YIELD
ON FLASHING
YELLOW
ARROW

R10-12a
30"X36"
SIGN PANEL - TYPE 1
2 REQUIRED



PHASE DESIGNATION DIAGRAM

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED	NOT USED	NOT USED		NOT USED	
CONCURRENT MOVEMENT ALLOWED	6	6	NOT USED	NOT USED	NOT USED	1 OR 2	NOT USED	NONE



USER NAME = bband	DESIGNED - GSH	REVISED -
	DRAWN - GSH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BMB	REVISED -
PLOT DATE = 3/11/2021	DATE - 03-12-2021	REVISED -

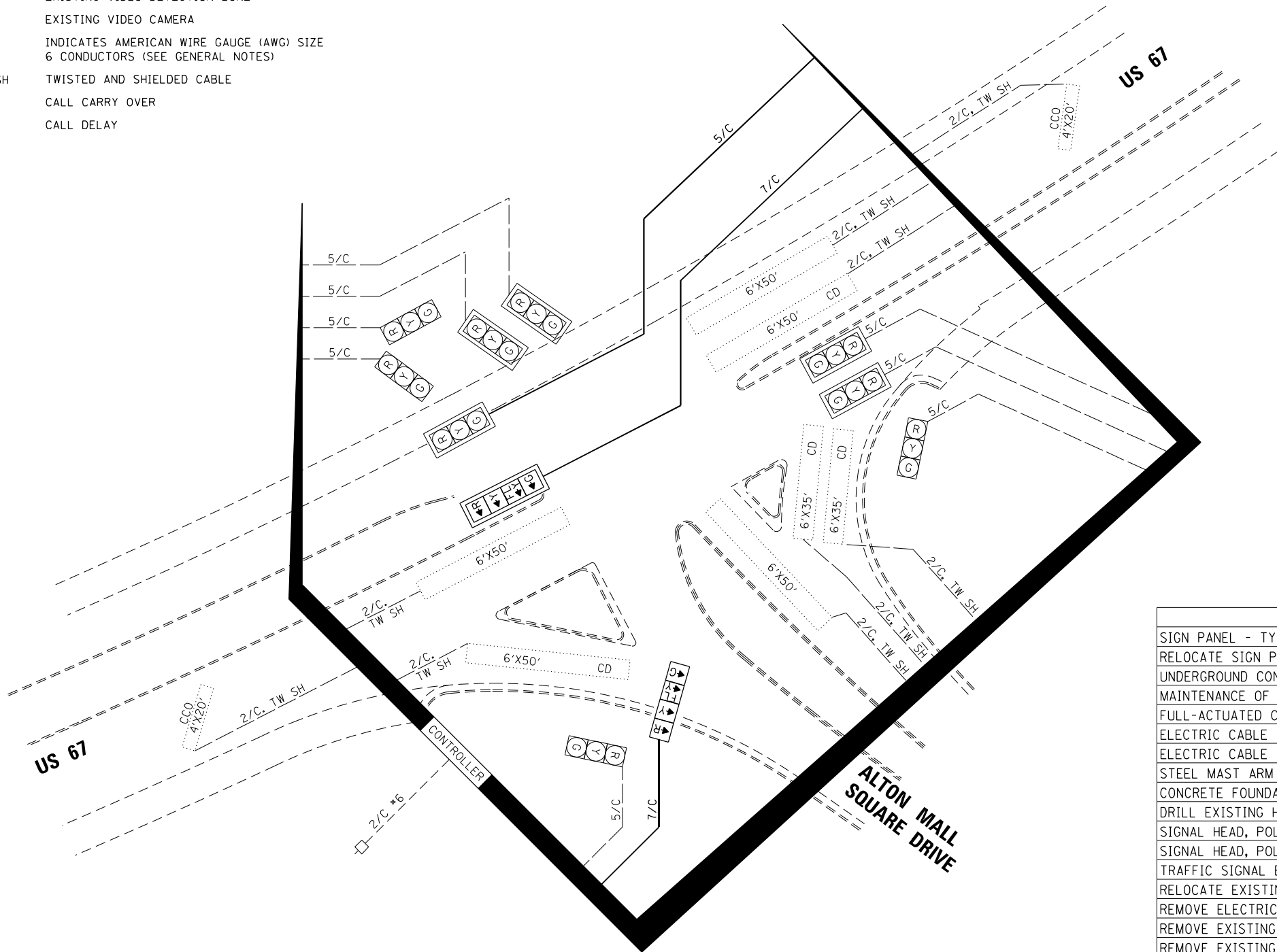
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
US 67 AND ALTON SQUARE MALL DRIVE
SCALE: 1" = 20' SHEET 18 OF 27 SHEETS STA. TO STA.

F.A.P. RTE. 10	SECTION (261,406)TS-1	COUNTY MADISON	TOTAL SHEETS 29	SHEET NO. 18
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- 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
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE
6 CONDUCTORS (SEE GENERAL NOTES)
- TW SH TWISTED AND SHIELDED CABLE
- CCO CALL CARRY OVER
- CD CALL DELAY



SCHEDULE OF QUANTITIES

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	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
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	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	1
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
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	775
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



USER NAME = bband	DESIGNED - GSH	REVISED -
	DRAWN - GSH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BMB	REVISED -
PLOT DATE = 3/11/2021	DATE - 03-12-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

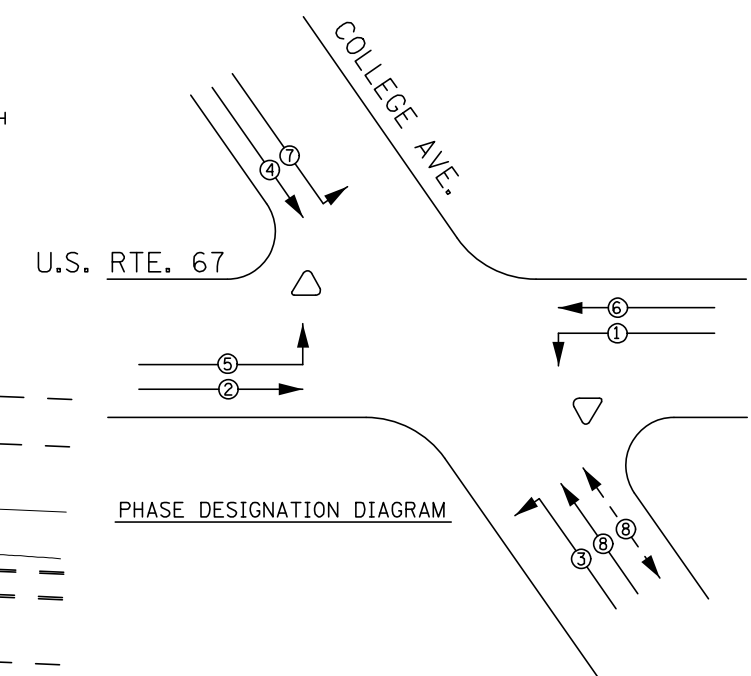
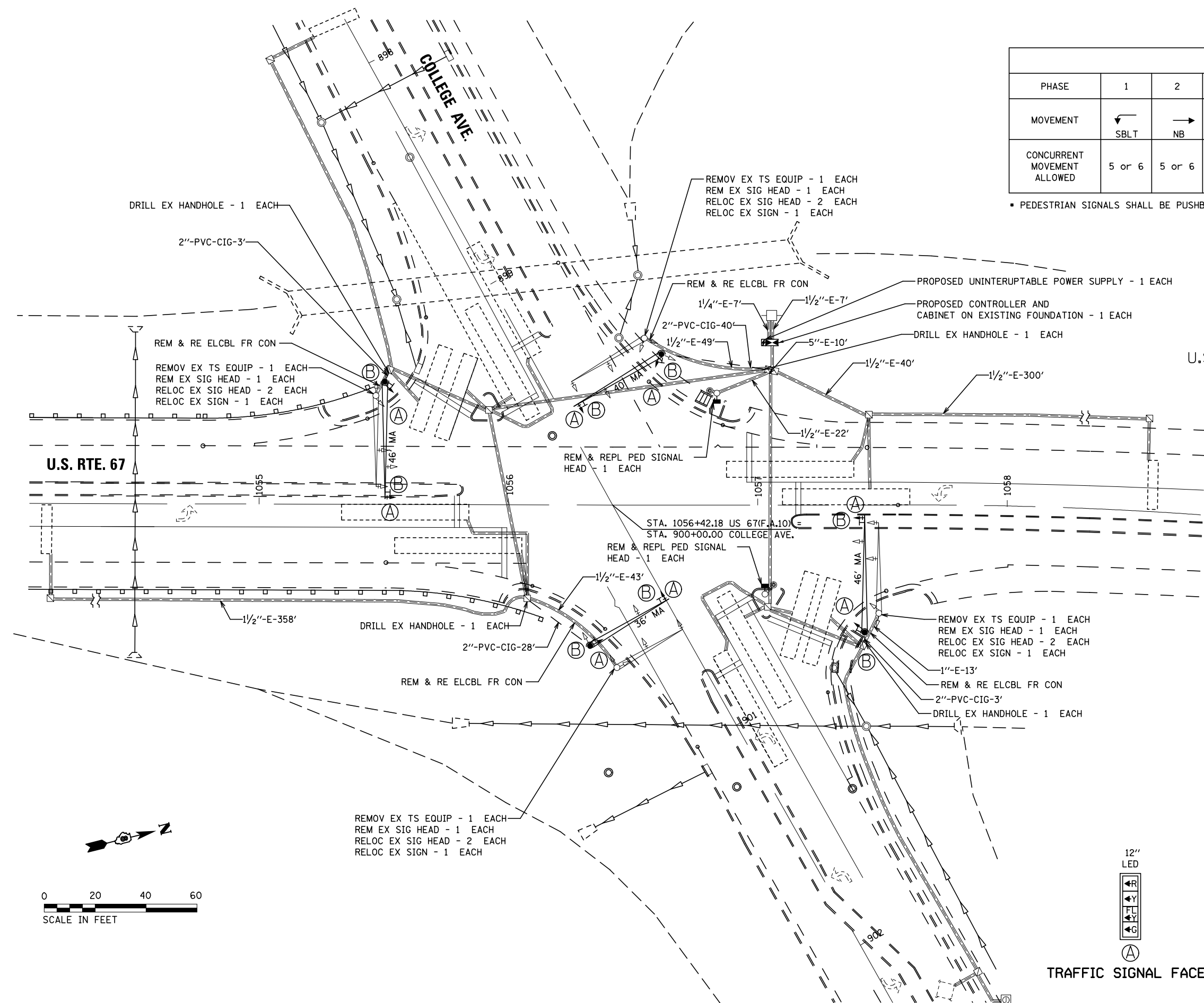
TRAFFIC SIGNAL DETAILS
US 67 AND ALTON SQUARE MALL DRIVE

SCALE: N.T.S. SHEET 19 OF 27 SHEETS STA. TO STA.

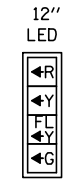
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	19
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8*
MOVEMENT								
	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
CONCURRENT MOVEMENT ALLOWED	5 or 6	5 or 6	7 or 8	7 or 8	1 or 2	1 or 2	3 or 4	3 or 4

* PEDESTRIAN SIGNALS SHALL BE PUSHBUTTON ACTUATED



PHASE DESIGNATION DIAGRAM



TRAFFIC SIGNAL FACES



R10-12a
30"X36"
SIGN PANEL - TYPE 1
8 REQUIRED

MODEL: D:\p\h\l
 FILE NAME: G:\2020\20003189_200\Drawings\Challenger\Station20 - NCD, College Avenue.dwg
 401 E STATE STREET
 ROCKFORD, IL 61104
 PH: 815.965.6400
 FAX: 815.965.6416
 www.imegcorp.com



USER NAME = Marc, A. Personette	DESIGNED - JD	REVISED -
	DRAWN - JD	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - BL	REVISED -
PLOT DATE = 3/9/2021	DATE - 3-12-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

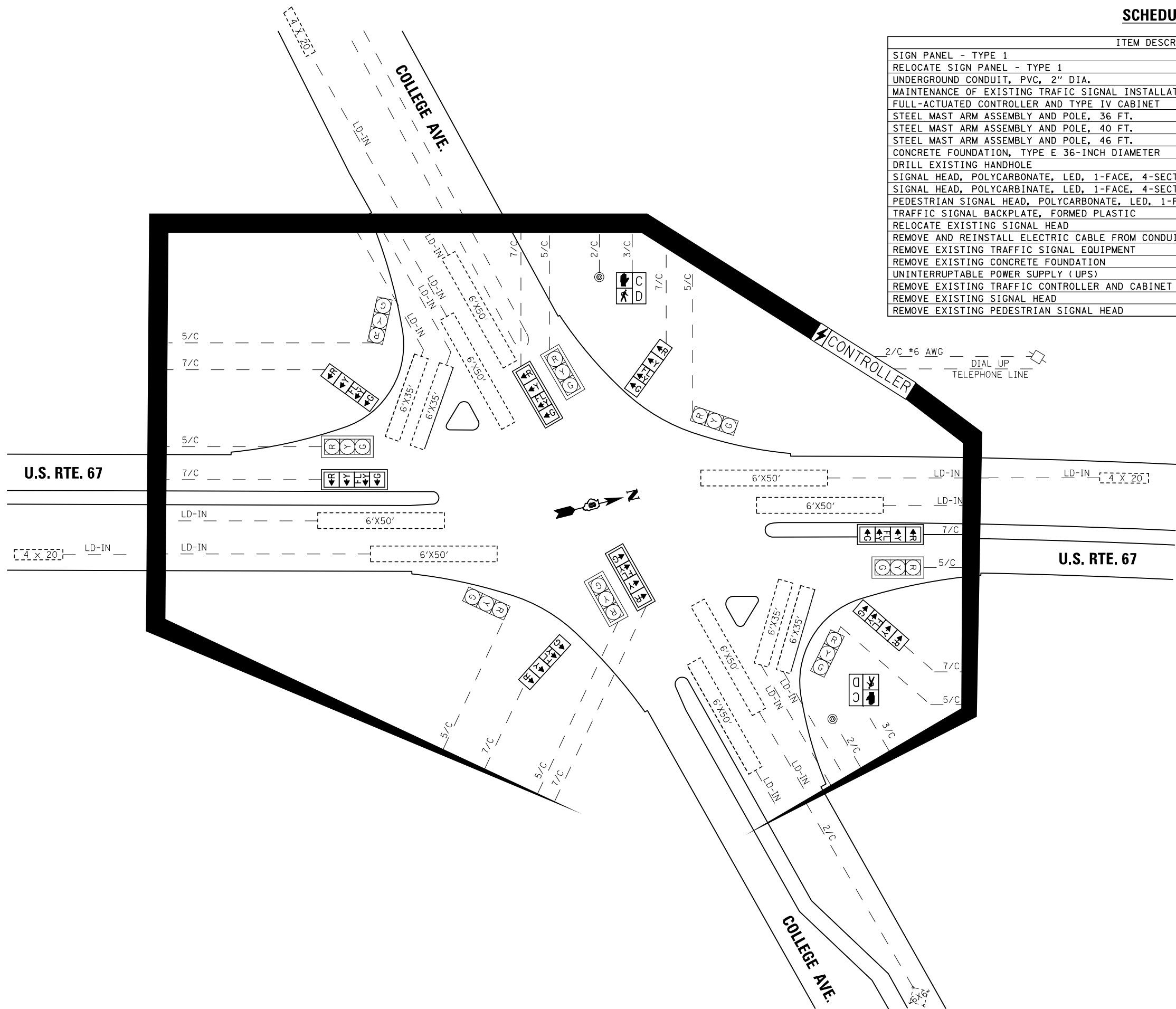
TRAFFIC SIGNAL DETAILS
US RTE 67 AT COLLEGE AVE.

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	20
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	60
RELOCATE SIGN PANEL - TYPE 1	SQ FT	30
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	74
MAINTENANCE OF EXISTING TRAFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	8
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	930
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
UNINTERRUPTABLE POWER SUPPLY (UPS)	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	8
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2



CABLE DIAGRAM LEGEND

- PROPOSED/RELOCATED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- 2/C PROPOSED NUMBER OF CONDUCTORS IN CABLE
- EXISTING SERVICE INSTALLATION
- ⊠ PROPOSED CONTROLLER AND CABINET
- ⊡ PROPOSED BATTERY BACKUP
- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- LD-IN EXISTING ELECTRIC CABLE LEAD-IN, 1 PAIR
- #6 EXISTING AMERICAN WIRE GAUGE (AWG) SIZE 6

MODEL: Default
 FILE NAME: G:\2020\20003189_00\Drawings\Civil\MicroStation\21 - CAB - College Avenue.dgn

IMEG
 401 E STATE STREET
 ROCKFORD, IL 61104
 PH: 815.965.6400
 FAX: 815.965.6416
 www.imegcorp.com

USER NAME = Marc_A.Personette	DESIGNED - JD	REVISED -
	DRAWN - JD	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - BL	REVISED -
PLOT DATE = 3/9/2021	DATE - 3-12-2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

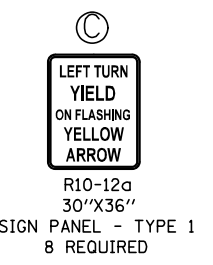
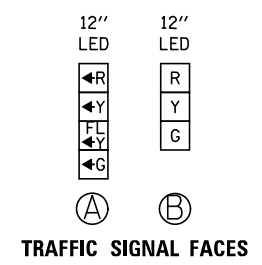
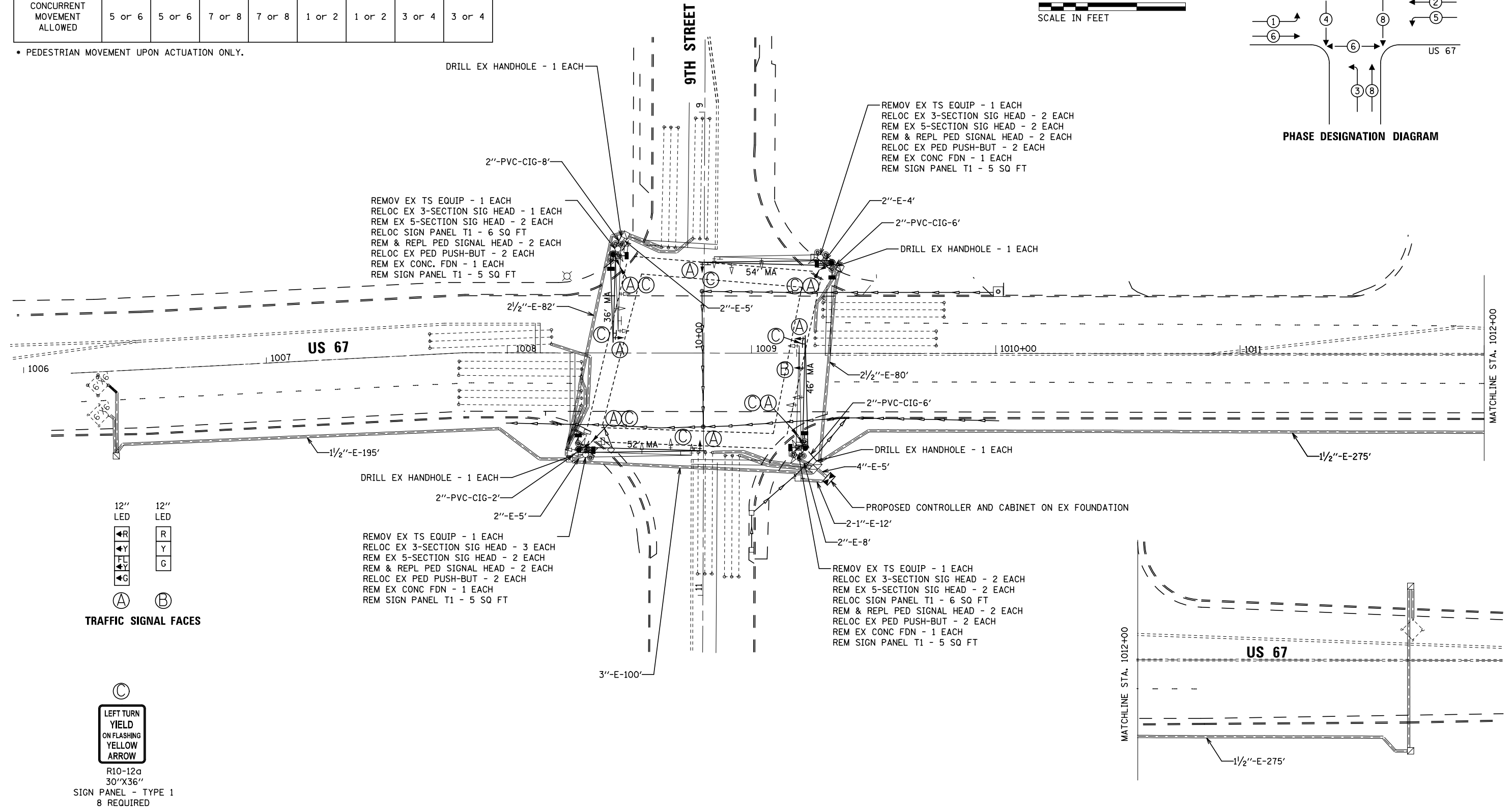
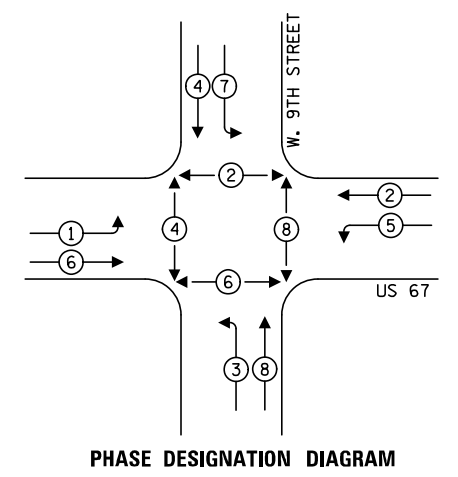
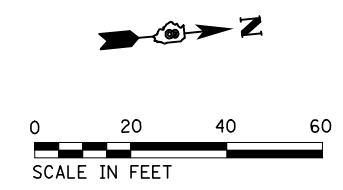
**TRAFFIC SIGNAL DETAILS
 US RTE 67 AT COLLEGE AVE.**

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	21
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NBLT	SB	WBLT	EB	SBLT	NB	EBLT	WB
CONCURRENT MOVEMENT ALLOWED	5 or 6	5 or 6	7 or 8	7 or 8	1 or 2	1 or 2	3 or 4	3 or 4

* PEDESTRIAN MOVEMENT UPON ACTUATION ONLY.



MODEL: D:\p\h\...
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 401 E STATE STREET
 ROCKFORD, IL 61104
 PH: 815.965.6400
 FAX: 815.965.6416
 www.imegcorp.com



USER NAME = Marc_A.Personette	DESIGNED - JD	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - JD	REVISED -
PLOT DATE = 3/9/2021	CHECKED - BL	REVISED -
	DATE - 3-12-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

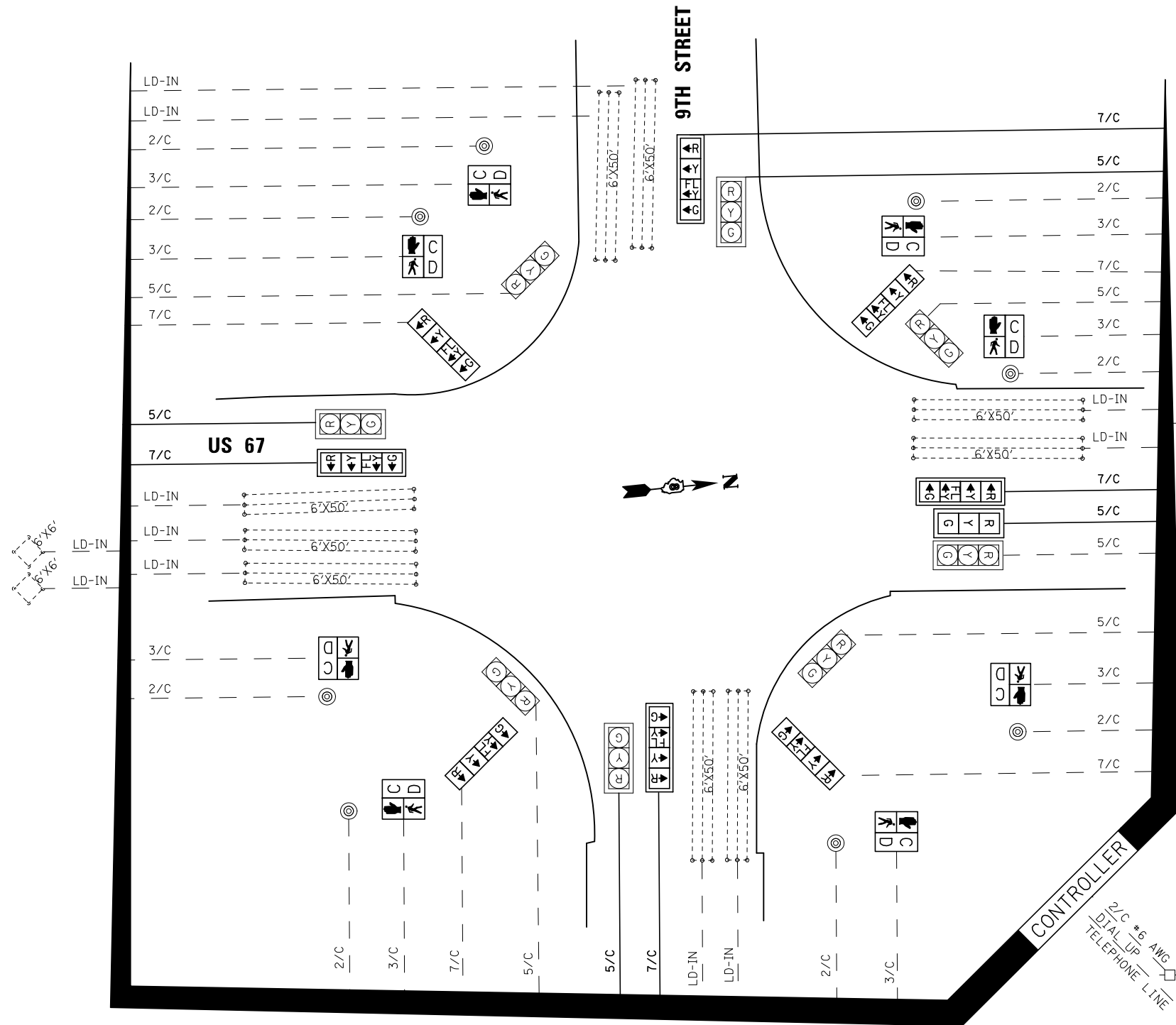
TRAFFIC SIGNAL DETAILS
US RTE 67 AT 9TH STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	22
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED/RELOCATED ELECTRIC CABLE IN CONDUIT
- - - - EXISTING ELECTRIC CABLE IN CONDUIT
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- EXISTING SERVICE INSTALLATION
- ⚡ UNINTERRUPTIBLE POWER SUPPLY (UPS)
- ⊞ EXISTING VIDEO DETECTION ZONE
- Ⓜ EXISTING VIDEO CAMERA
- #6 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 TRAFFIC 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, POLYCARBONATE, 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 SIGNAL CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	8
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	8

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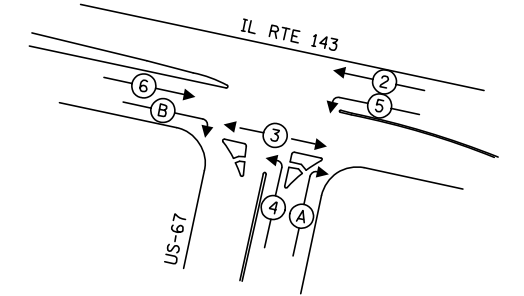
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PLOT SCALE = 40,0000 * / in.	DRAWN - JD	REVISED -
PLOT DATE = 3/10/2021	CHECKED - BL	REVISED -
	DATE - 3-12-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

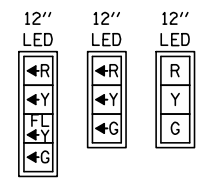
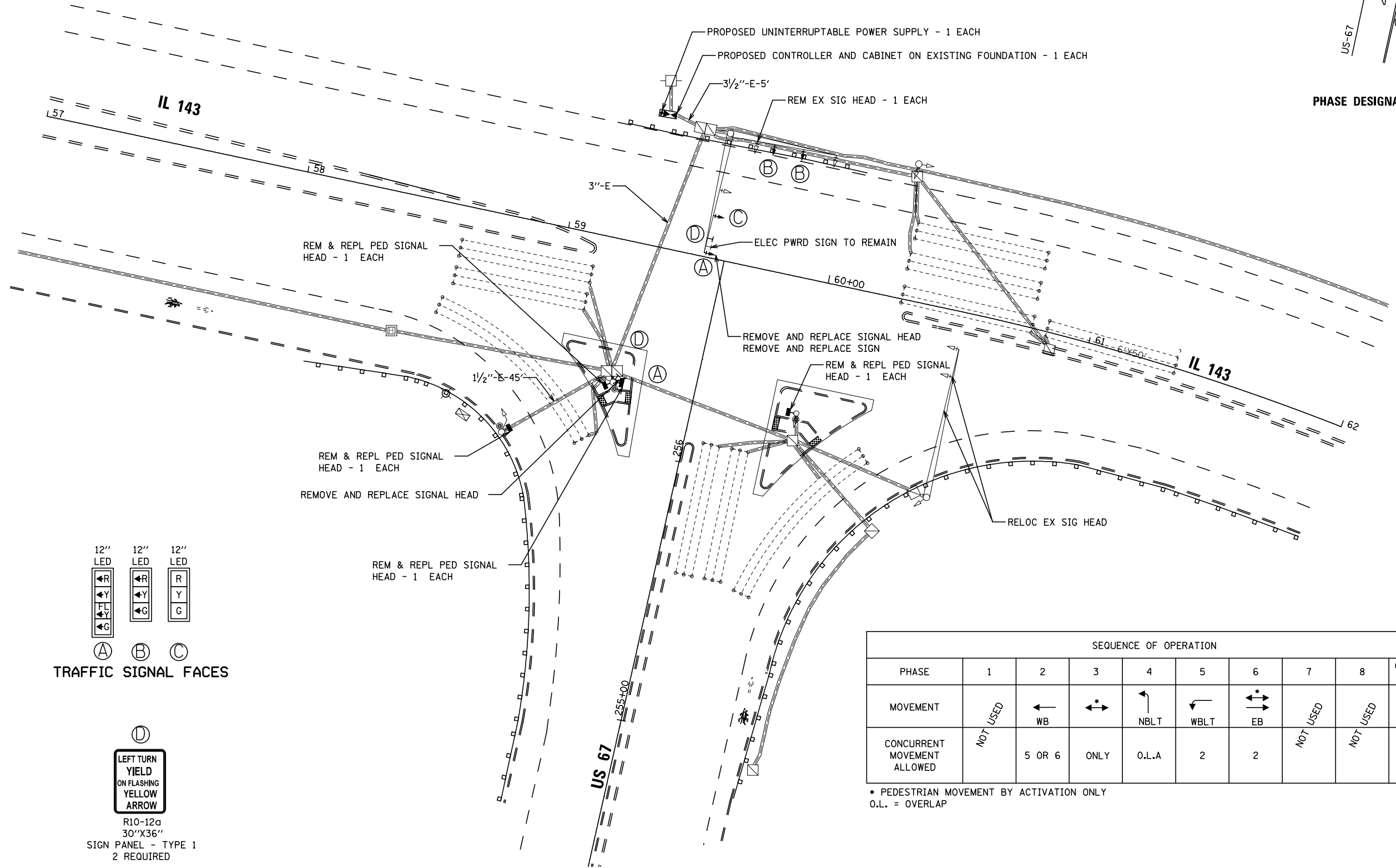
**TRAFFIC SIGNAL DETAILS
US RTE 67 AT 9TH STREET**

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)T5-1	MADISON	29	23
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				



PHASE DESIGNATION DIAGRAM



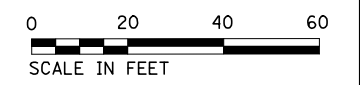
TRAFFIC SIGNAL FACES



LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-12a
30"X36"
SIGN PANEL - TYPE 1
2 REQUIRED

SEQUENCE OF OPERATION										
PHASE	1	2	3	4	5	6	7	8	OVERLAP A	OVERLAP B
MOVEMENT	NOT USED	← WB	↔ ONLY	↶ NBLT	↷ WBLT	↔ EB	NOT USED	NOT USED	↶ NBRT	↷ EBRT
CONCURRENT MOVEMENT ALLOWED	NOT USED	5 OR 6	ONLY	O.L.A	2	2	NOT USED	NOT USED	4 + 5	2 + 4 + 5 + 6

* PEDESTRIAN MOVEMENT BY ACTIVATION ONLY
O.L. = OVERLAP



MODEL: D:\p\h\l... FILE NAME: G:\2020\20003189_00\Drawings\Chairs\Station21 - NCD, Clark, Bridge.com



USER NAME = Marc,A,Personette	DESIGNED - JD	REVISED -
	DRAWN - JD	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - BL	REVISED -
PLOT DATE = 3/9/2021	DATE - 3-12-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

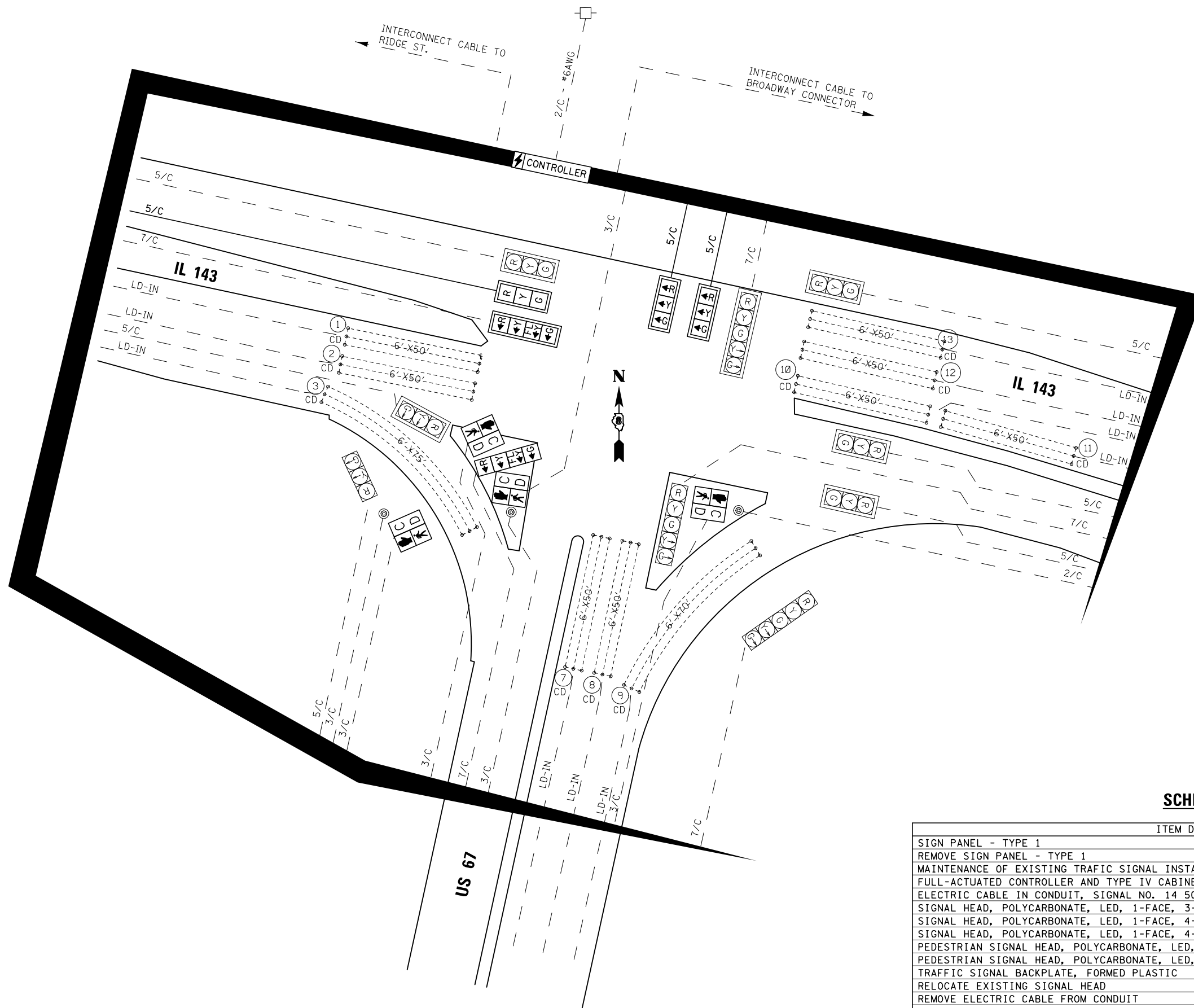
TRAFFIC SIGNAL DETAILS
US RTE 67 AT IL RTE 143

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)T5-1	MADISON	29	24
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED/RELOCATED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- EXISTING SERVICE INSTALLATION
- ⚡ UNINTERRUPTIBLE POWER SUPPLY (UPS)
- ⊞ EXISTING VIDEO DETECTION ZONE
- Ⓜ EXISTING VIDEO CAMERA
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)
- CD CALL DELAY (SEE GENERAL NOTES)



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	15.0
REMOVE SIGN PANEL - TYPE 1	SQ FT	5.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	226
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
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
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	60
UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
REMOVE EXISTING SIGNAL HEAD	EACH	2
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4

MODEL: Default
 FILE NAME: G:\2020\20003189_00\Drawings\Civil\MicroStation\25 - CAB, Clark, Bridge.dwg
 401 E STATE STREET
 ROCKFORD, IL 61104
 PH: 815.965.6400
 FAX: 815.965.6416
 www.imegcorp.com



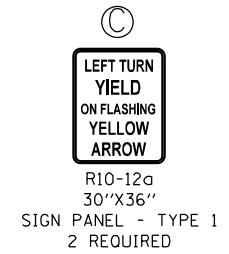
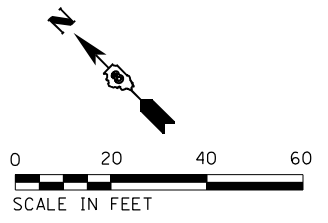
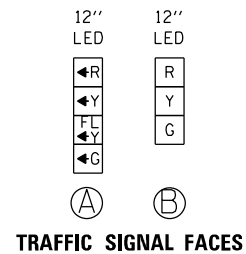
USER NAME = Marc_A.Personette	DESIGNED - JD	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - JD	REVISED -
PLOT DATE = 3/9/2021	CHECKED - BL	REVISED -
	DATE - 3-12-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

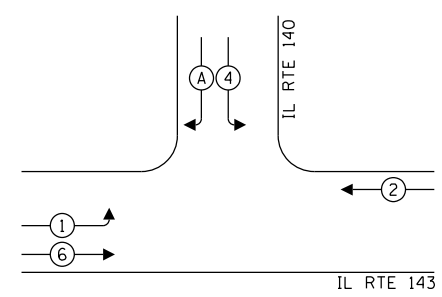
**TRAFFIC SIGNAL DETAILS
US RTE 67 AT IL RTE 143**

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

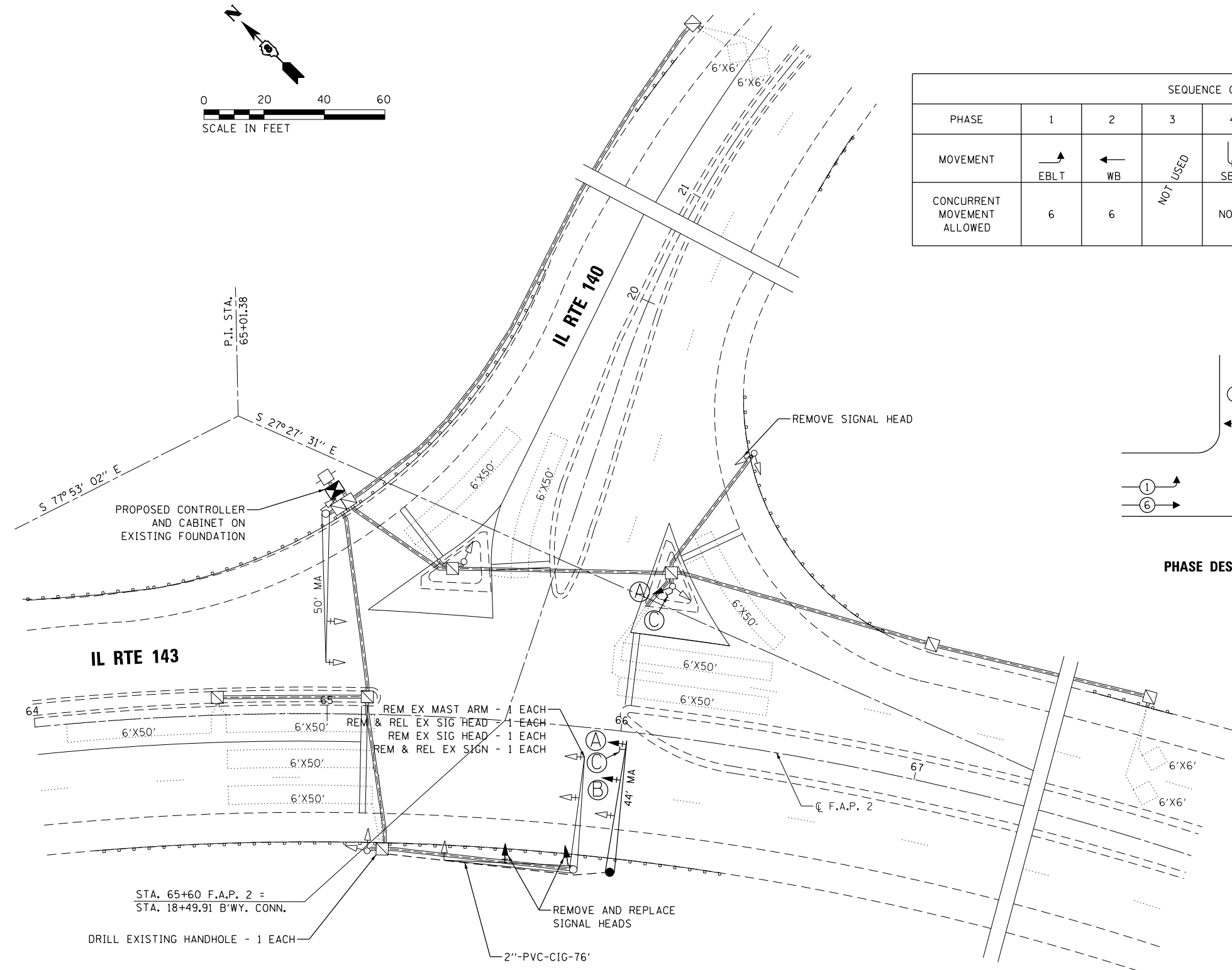
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(261,406)TS-1	MADISON	29	25
CONTRACT NO. 76P33				
ILLINOIS FED. AID PROJECT				



SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	OVERLAP A
MOVEMENT	← EBLT	← WB	NOT USED	↓ SBLT	NOT USED	→ EB	NOT USED	NOT USED	↓ SBRT
CONCURRENT MOVEMENT ALLOWED	6	6	NOT USED	NONE	NOT USED	1 OR 2	NOT USED	NOT USED	1 + 4

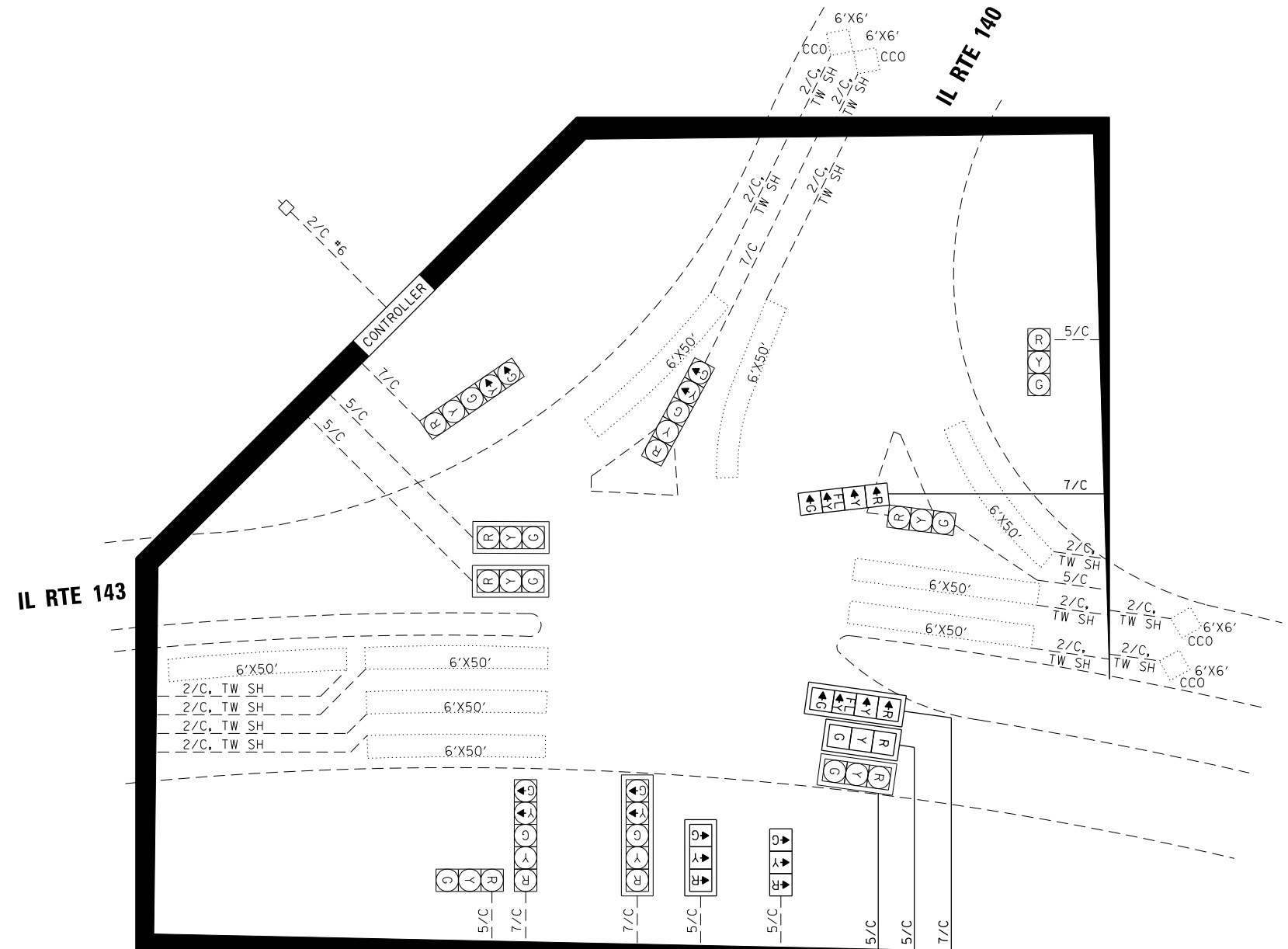


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- 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
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE
6 CONDUCTORS (SEE GENERAL NOTES)
- TW, SH TWISTED AND SHIELDED CABLE
- CCO CALL CARRY OVER
- CD CALL DELAY



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SO FT	15
RELOCATE SIGN PANEL - TYPE 1	SO FT	6
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	76
MAINTENANCE OF EXISTING TRAFFIC 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, POLYCARBONATE, 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

