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ENGINEERING DIVISION CITY OF GALESBURG, ILLINOIS

CALL J.U.L.I.E. BEFORE DIGGING 800-892-0123

PLANS FOR PROPOSED TRAFFIC SIGNAL MODIFICATIONS FLASHING YELLOW ARROWS

SECTION NUMBER 16-01001-46-TL

FEDERAL PROJECT NUMBER: NAG1(733) JOB NUMBER: C-94-088-17 CATALOG NO. 035511-00

HSIP AND LOCAL FUNDS
GENERAL LOCATION MAP
NOT TO SCALE



HIGHWAY STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

001001-02 AREAS OF REIN FORCEMENT BARS

424021-04 DEPRESSED CORNER FOR SIDEWALKS
701301-04 LN CLOSURE, 2LSW-SHORT TIME OP

701701-10 URBAN LN CLOSURE, MULTILANE INTERSECTION

701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE

701901-07 TRAFFIC CONTROL DEVICES

720001-06 SIGN PANEL MOUNTING DETAILS

720016-04 MAST ARM MOUNTED STREET NAME SIGNS

720021-02 SIGN PANELS EXTRUDED ALUMINUM TYPE

805001-01 ELECTRIC SERVICE INSTALLATION DETAILS

857001-01 STANDARD PHASE DES DIA & PHASE SEQ

873001-02 TRAFFIC SIGNAL GROUNDING & BONDING

876001-04 PEDESTRIAN PUSH BUTTON POST

877001-07 STL MAST ARM ASSEMBLY AND POLE 16-55

878001-10 CONCRETE FOUNDATION DETAILS

880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

886001-01 DETECTOR LOOP INSTALLATIONS



PROJECT LOCATIONS

- 1: HOME BOULEVARD AND CARL SANDBURG DRIVE
- 2: SEMINARY STREET AND KNOX SQUARE DRIVE
- 3: SEMINARY STREET AND CARL SANDBURG DRIVE
- 4: SEMINARY STREET AND FREMONT STREET
- 5: SEMINARY STREET AND LOSEY STREET
- 6: HENDERSON STREET AND MONMOUTH BOULEVARD
- 7: ACADEMY STREET AND MONMOUTH BOULEVARD
- 8: FARNHAM STREET AND MAIN STREET
- 9: MICHIGAN AVENUE AND MAIN STREET

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES MAST ARMS, FOUNDATIONS, CONDUIT, WIRING, SIGNAL HEADS, CONTROLLER CABINETS, HARDWARE UPGRADES. AND OTHER COLLATERAL WORK FOR THE INSTALLATION AND OPERATION OF FLASHING YELLOW ARROWS AT 9 INTERSECTIONS ON LOCAL ROADS.





ILLINOIS REGISTERED ENGINEER NO. 062-062625 REGISTRATION EXPIRES NOV. 30, 2019



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION#	TOTAL SHEETS	SHEET NO.		
16-01001-46-TL	14	2		

CONTROLLER CABINET MODIFICATION AND INSTALLATION - CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL CABINETS AND DELIVER THE CABINET AND ITS CONTENTS TO THE CITYT OF GALESBURG. THE CONTRACTOR SHALL NOTIFY JUSTIN MCNAUGHT, AT (309) 368-7437 A MINIMUM OF FORTY-EIGHT HOURS IN ADVANCE OF EQUIPMENT DELIVERY.
- 2. THE CONTRACTOR SHALL SCHEDULE THE REPLACEMENT OF THE TRAFFIC SIGNAL CABINET ONLY DURING THE HOURS OF 8:30 AM TO 3:00 PM MONDAY THROUGH FRIDAY.
- 3. THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE AND ALL-WAY STOP CONTROL ONLY DURING THE HOURS SPECIFIED ABOVE TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- 4. THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN ALL-RED FLASH MODE OR ALL-WAY STOP CONTROL.
- 5. THE CONTRACTOR SHALL GROUND AND SAFETY-BOND THE EXISTING AND PROPOSED CONTROLLER CABINETS IN ACCORDANCE WITH NEC REQUIREMENTS.
- 6. ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE MODIFY EXISTING CONTROLLER CABINET AND PROPOSED TRAFFIC SIGNAL CABINET PAY ITEMS. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

CONSTRUCTION NOTES

- 1. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING CITY OF GALESBURG ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- 3. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- 4. ANY MAINTENANCE OF EXISTING ELECTRICAL FACILITIES WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 5. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE INSTALLATION OF THE PROPOSED COMPONENTS.
- 6. THE LOCATIONS FOR PEDESTRIAN PUSHBUTTON POSTS AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
- ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
- 8. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY TO BOTTOM OF THE SIGNAL BACKPLATE.
- ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL WITH A NATURAL FINISH.
- 10. ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
- 11. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.

- 12. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
- 13. THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
- 14. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF TWISTED/SHIELDED LEAD-IN CABLE.
- 15. LEAD-IN CABLE SHALL BE CONTINUOUS FROM THE TYPE II SPLICE LOCATED IN THE HANDHOLE TO THE CONTROLLER CABINET. NO SPLICES WILL BE ALLOWED.
- 16. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION
- 17. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT.
- 18. THE COST FOR THE REMOVAL OF EXISTING TRAFFIC SIGNAL COMPONENTS (MAST ARMS, SIGNAL HEADS, ETC.) WILL NOT BE PAID FOR SEPARATELY. THE COST FOR REMOVING AND DELIVERING THESE ITEMS TO THE CITY OF GALESBURG SHALL BE INCLUDED IN THE COST OF THE PROPOSED ITEMS.
- 19. THE COST OF THE PROPOSED MAST ARMS SHALL INCLUDE 3" DIAMETER PVC CONDUIT AND ALL OTHER

ITEMS REQUIRED TO CONNECT THE MAST ARM FOUNDATION TO THE EXISTING CONDUIT SYSTEM.

- 20. THE COST OF THE PROPOSED PEDESTRIAN PUSHBUTTON POSTS SHALL INCLUDE 2" DIAMETER PVC CONDUIT AND ALLOTHER ITEMS REQUIRED TO CONNECT THE PEDESTRIAN PUSHBUTTON POST TO THE EXISTING CONDUIT SYSTEM.
- 21. ALL EXISTING SIGNS SHALL BE RELOCATED FROM EXISTING MAST ARMS AND INSTALLED ON THE PROPOSED MAST ARMS AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARMS.
- 22. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- 23. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
- 24. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM
- 25. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- 26. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- 27. THE CONTRACTOR SHALL UTILIZE EXISTING GROUNDING CABLE WHEN EVER POSSIBLE TO GROUND EXISTING HANDHOLES AND TRAFFIC STRUCTURES.
- 28. THE CONTRACTOR SHALL UTILIZE STAR WASHERS WHEN MAKING GROUNDING CONNECTIONS TO METALLIC COMPONENTS TO ENSURE THE BEST POSSIBLE MECHANICAL CONNECTION.
- 29. THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING TRAFFIC STRUCTURES (MAST ARMS, TRAFFIC SIGNAL POSTS, METALLIC CONDUITS, HANDHOLE LIDS AND FRAMES, ETC.) ARE CONNECTED TO A GROUNDING CONDUCTOR IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED GROUNDING CABLE.
- 30. THE CONTRACTOR SHALL COUPLE THE PROPOSED CONDUIT TO THE EXISTING CONDUIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARMS AND PEDESTRIAN PUSHBUTTON POSTS.
- 31. TE CONTRACTOR SHALL RE-ARRANGE EXISTING TRAFFIC SIGNAL AND PEDESTRIAN SIGNAL HEADS AS NEEDED TO FACILITATE INSTALLATION OF THE PROPOSED BRACKET MOUNTED TRAFFIC SIGNAL HEADS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL BRACKETING, HARDWARE, AND ALL OTHER ITEMS REQUIRED TO RE-ARRANGE THE SIGNAL HEADS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED TRAFFIC SIGNAL HEADS.

SECTION#	TOTAL SHEETS	SHEÈT NO.
16-01001-46-TL	14	3

		SUMMARY OF QUANTITIES			KNOX COUNTY CONST. TYPE CODE 0021	
	PAY ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.	(SAFETY) 90% FED 0% STATE 10% (CITY) URBAN (9 LOCATIONS)	
اد	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	139.0	139.0	
أد	42400800	DETECTABLE WARNINGS	SQ FT	16.0	16.0	
7	44000600	SIDEWALK REMOVAL	SQ FT	139.0	139.0	
ľ	67100100	MOBILIZATION	LSUM	1.0	1.0	
1	72000100	SIGN PANEL - TYPE 1	SQ FT	140.0	140.0	
1	72000200	SIGN PANEL - TYPE 2	SQ FT	81.0	81.0	
ŀ	80400100	ELECTRIC SERVICE INSTALLATION	EACH	3.0	3.0	
f	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6408.5	6408.5	
		ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5844.5	5844.5	
ľ	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	415.0	415.0	
Ī	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2443.0	2443.0	
Ì	87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	5.0	5.0	
ľ	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1.0	1.0	
ľ	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	6.0	6.0	
t	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	94.5	94.5	
ľ	87900200	DRILL EXISTING HANDHOLE	EACH	7.0	7.0	
ľ	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14.0	14.0	
f	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	18.0	18.0	
ľ	88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	12.0	12.0	
ľ	88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	13.0	13.0	
ľ	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	55.0	55.0	
Ī	88500100	INDUCTIVE LOOP DETECTOR	EACH	40.0	40.0	
Ī	88600100	DETECTOR LOOP, TYPE I	FOOT	404.0	404.0	
Ī	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8.0	8.0	
Ī	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2.0	2.0	
ı	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	13.0	13.0	
ľ	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	3.0	3.0	
ı	89502105	REBUILD EXISTING SIGNAL HEAD, LED	EACH	31.0	31.0	
Ì	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	5.0	5.0	
ľ	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7.0	7.0	
Ì	X0323071	SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	2.0	2.0	
l	X0325469	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE	EACH	36.0	36.0	
Ì	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1.0	1.0	
l	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	4.0	4.0	

SUMMARY OF QUANTITIES

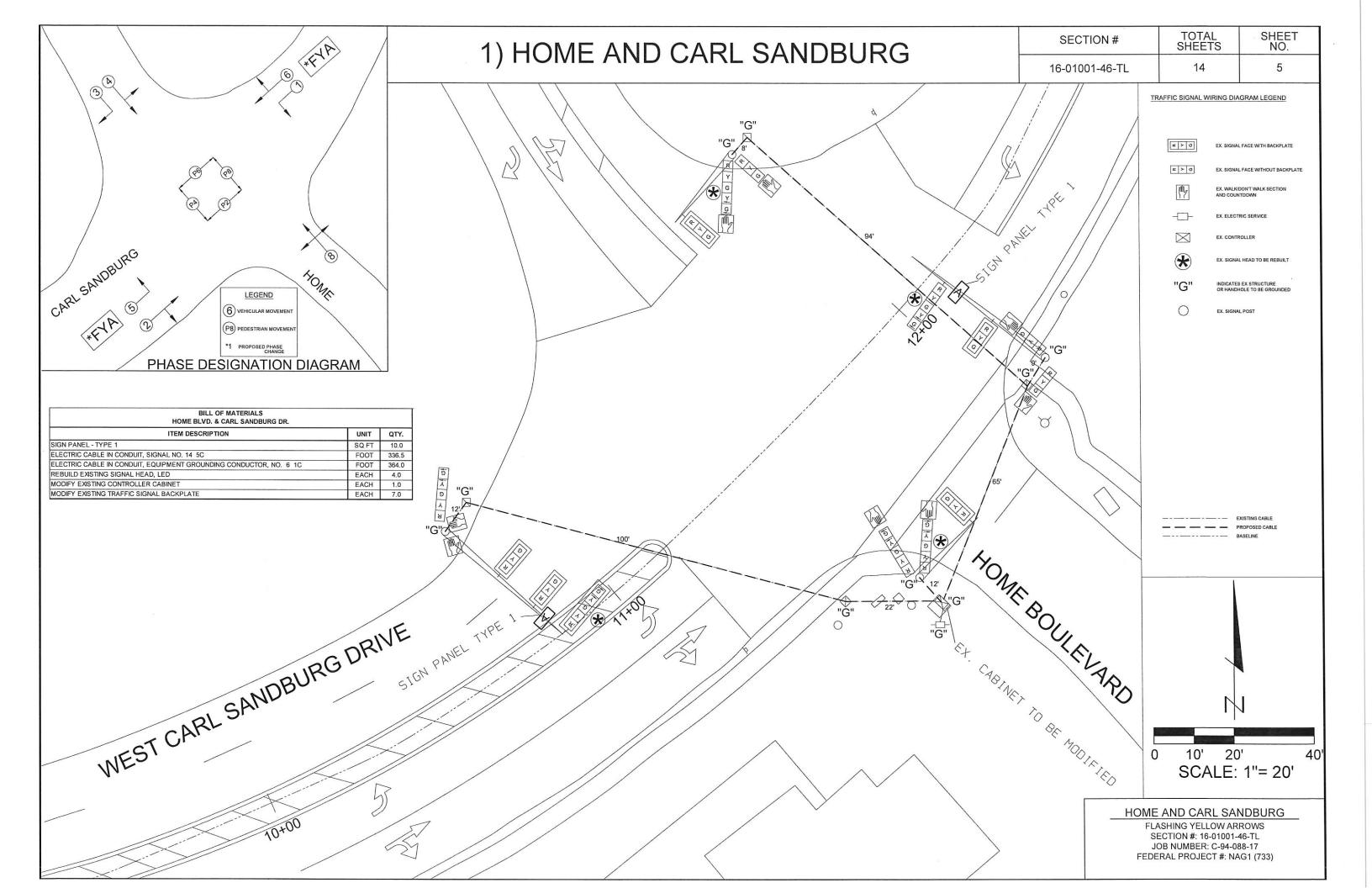
FLASHING YELLOW ARROWS SECTION #: 16-01001-46-TL JOB NUMBER: C-94-088-17 FEDERAL PROJECT #: NAG1 (733)

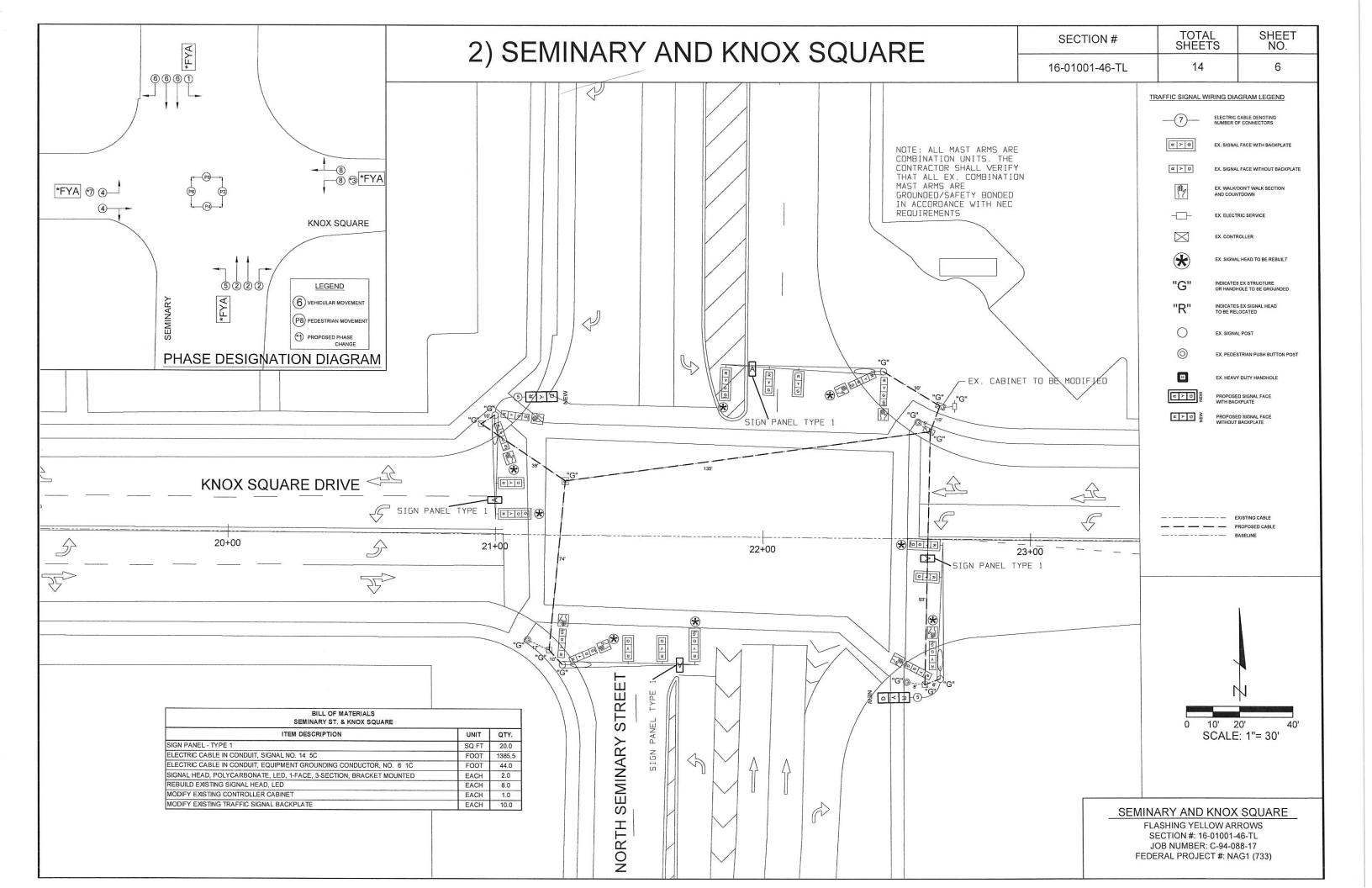
COLIEDIN E OF CHANTITIES				KNOX COUNTY CITY OF GALESBURG							
SCHEDULE OF QUANTITIES			Manager and proceedings of the control of the contr								
ITEM DESCRIPTION	UNIT	TOTAL QTY.	HOME BLVD & CARL SANDBURG DR.	SEMINARY ST. & KNOX SQUARE	SEMINARY ST. & CARL SANDBURG DR.	SEMINARY ST. & FREMONT ST.	SEMINARY ST. & LOSEY ST.	HENDERSON ST. & MONMOUTH BLVD.	ACADEMY ST. & MONMOUTH BLVD.	FARNAM ST. & MAIN ST.	MICHAGAN AVE & MAIN ST.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	139.0				61.0				78.0	
DETECTABLE WARNINGS	SQ FT	16.0								16.0	
SIDEWALK REMOVAL	SQ FT	139.0				61.0				78.0	
SIGN PANEL - TYPE 1	SQ FT	140.0	10.0	20.0	20.0	20.0	20.0	20.0	5.0	20.0	5.0
SIGN PANEL - TYPE 2	SQ FT	81.0				36.0			9.0	36.0	
ELECTRIC SERVICE INSTALLATION	EACH	3.0				1.0			1.0	1.0	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6408.5	336.5	1385.5	145.0	1181.0	492.0	1325.0	170.5	1210.5	162.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5844.5				1795.5		1934.0	89.5	2025.5	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	415.0								415.0	
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2443.0	364.0	44.0		387.0	317.0	504.0	284.0	301.5	241.5
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	5.0				3.0			1.0	1.0	
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1.0							1.0		
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	6.0				4.0				2.0	
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	94.5				54.0			13.5	27.0	
DRILL EXISTING HANDHOLE	EACH	7.0				4.0			2.0	1.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14.0		2.0	1.0	3.0	4.0	2.0		2.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	18.0				5.0		6.0	1.0	6.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	12.0				4.0		4.0		4.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	13.0				4.0		4.0	1.0	4.0	
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	55.0				12.0	4.0	16.0	9.0	14.0	
INDUCTIVE LOOP DETECTOR	EACH	40.0				12.0		10.0	8.0	10.0	
DETECTOR LOOP, TYPE I	FOOT	404.0								404.0	
PEDESTRIAN PUSH-BUTTON	EACH	8.0				8.0					
RELOCATE EXISTING SIGNAL HEAD	EACH	2.0							2.0		
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	13.0				8.0			1.0	4.0	_
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	3.0							1.0	2.0	
REBUILD EXISTING SIGNAL HEAD, LED	EACH	31.0	4.0	8.0	8.0		8.0		1.0		2.0
MODIFY EXISTING CONTROLLER CABINET	EACH	5.0	1.0	1.0	1.0		1.0				1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7.0				4.0			1.0	2.0	
MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE	EACH	36.0	7.0	10.0	11.0		8.0				
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	4.0				1.0		1.0	1.0	1.0	

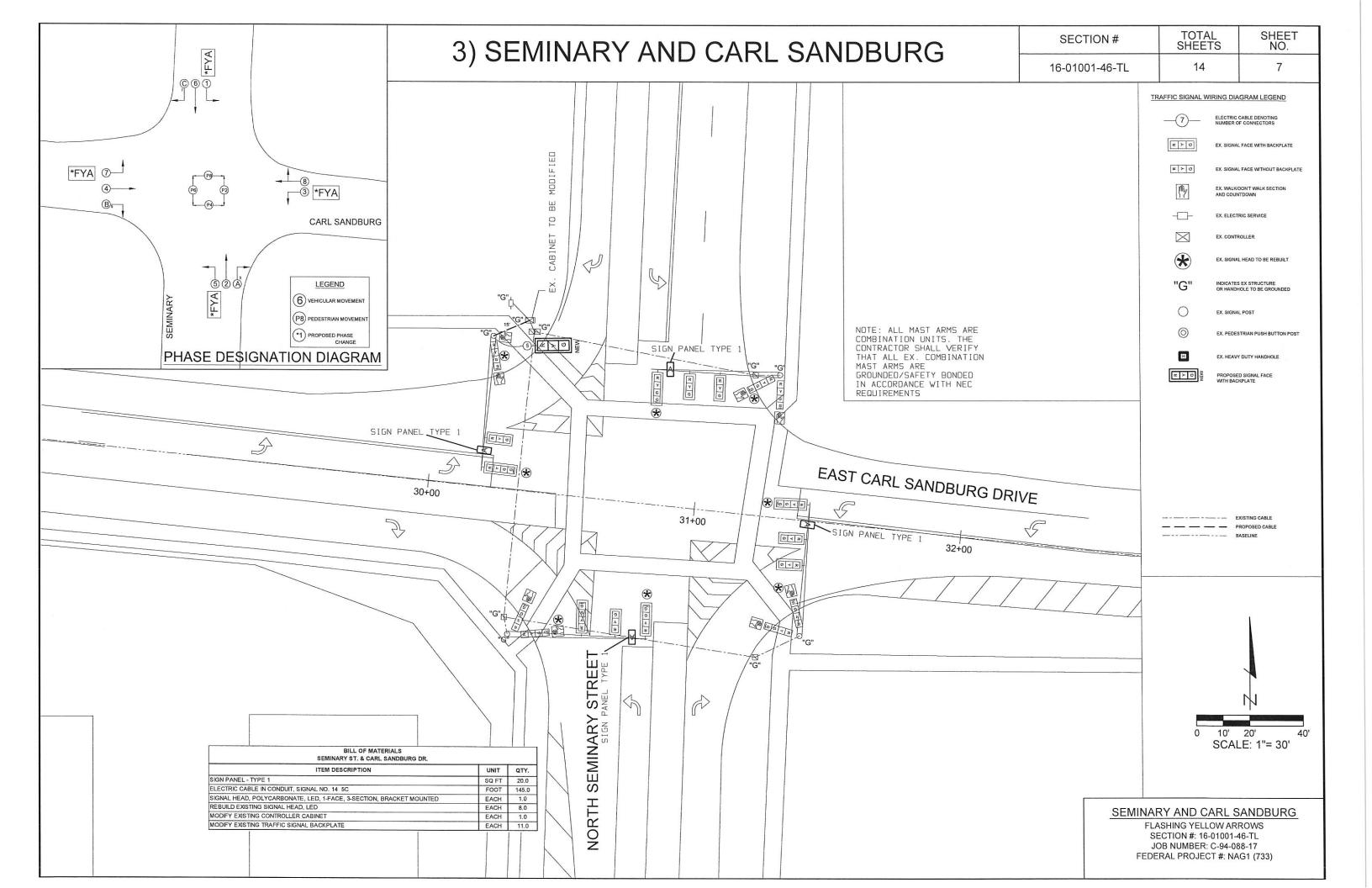
SECTION#	TOTAL SHEETS	SHEET NO.	
16-01001-46-TL	14	4	

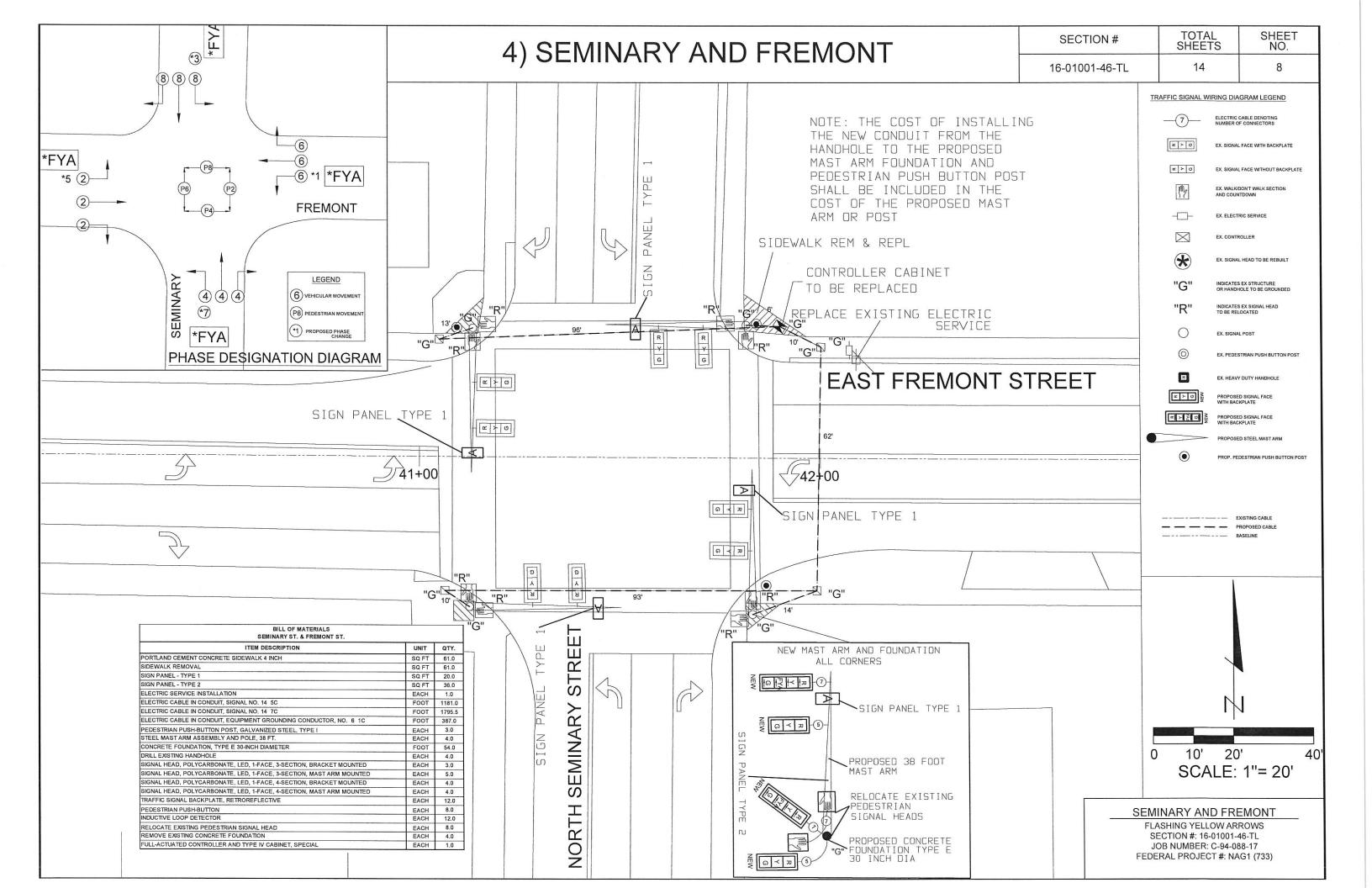
SCHEDULE OF QUANTITIES

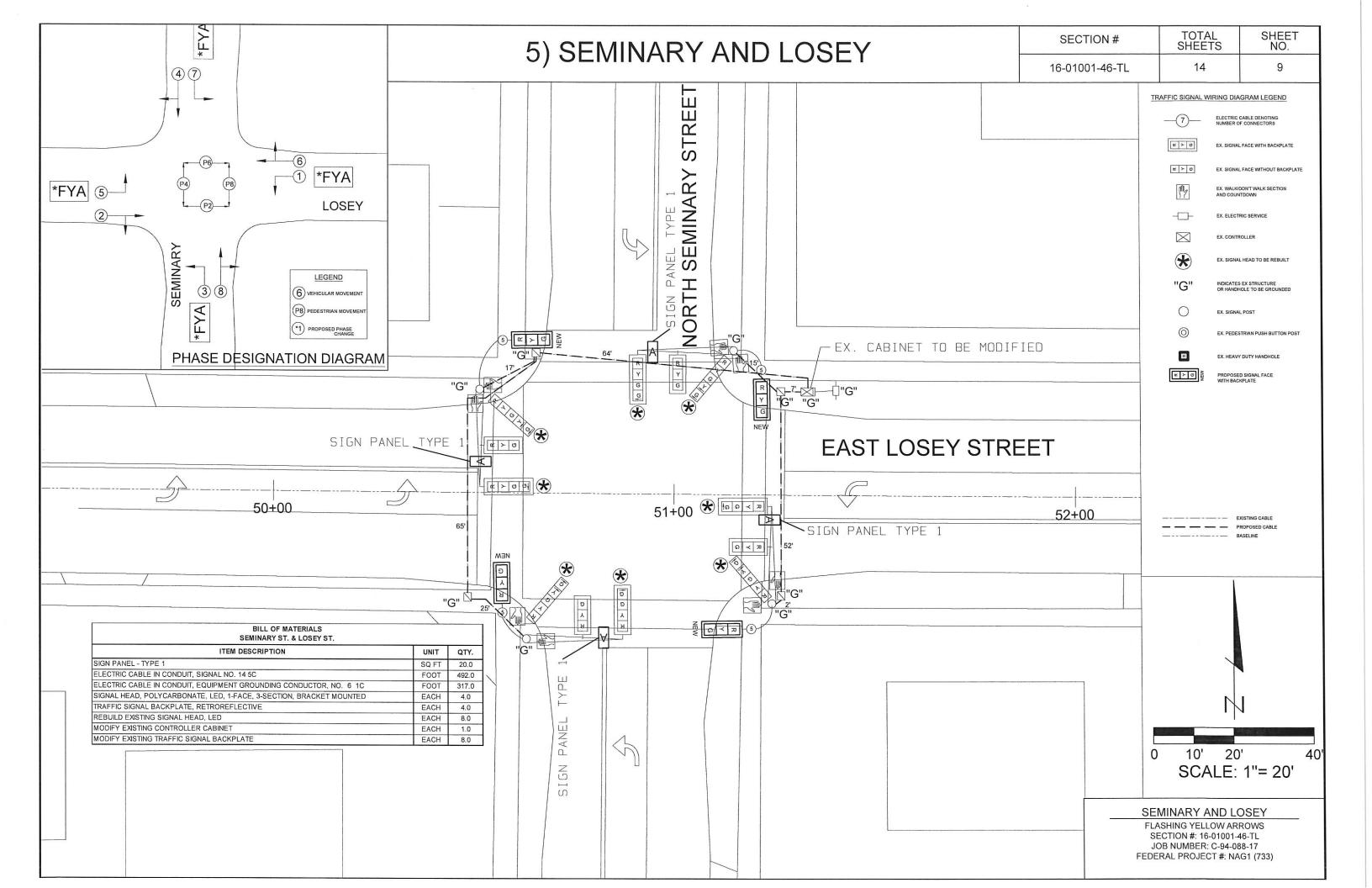
FLASHING YELLOW ARROWS SECTION #: 16-01001-46-TL JOB NUMBER: C-94-088-17 FEDERAL PROJECT #: NAG1 (733)

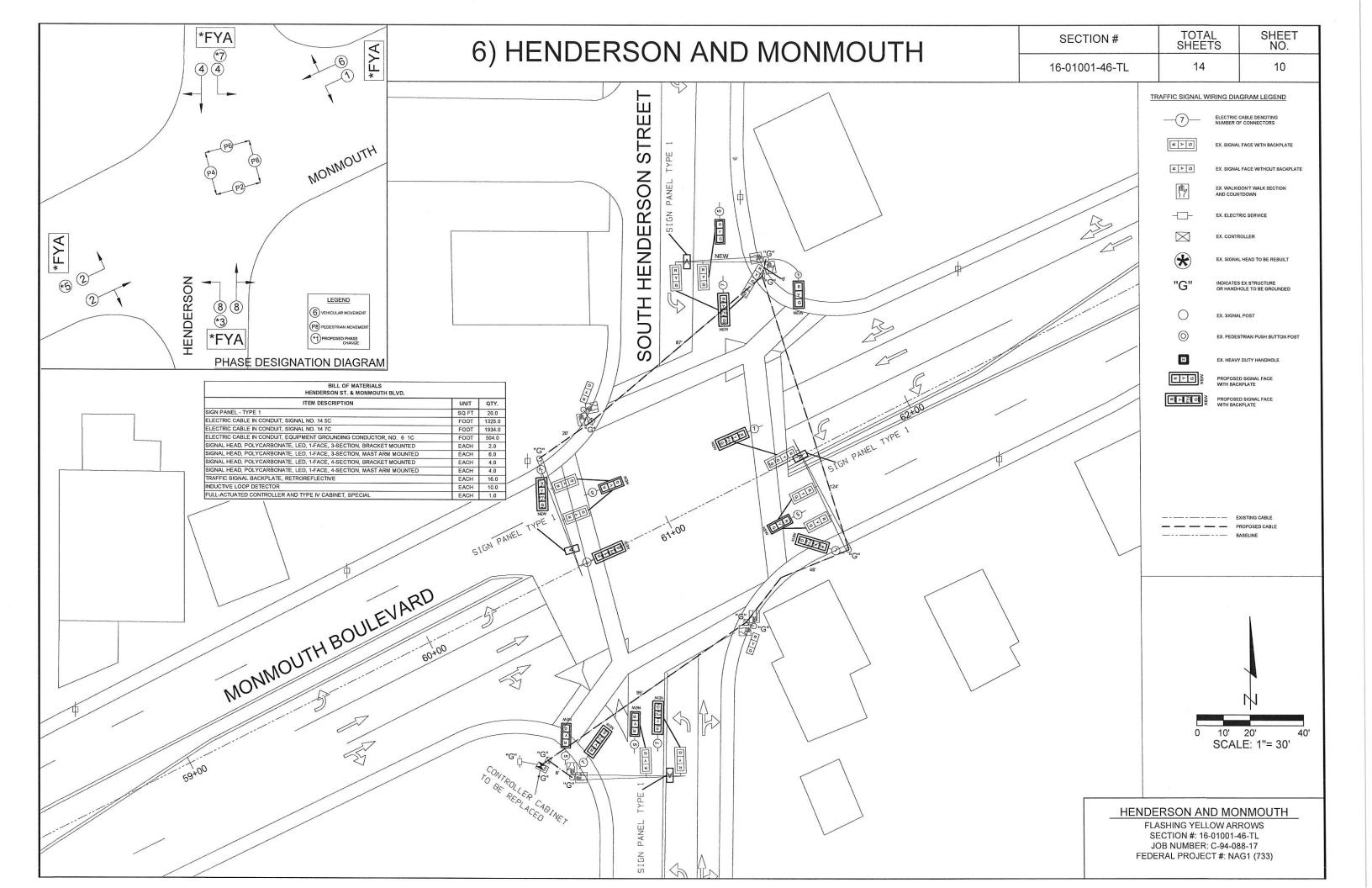


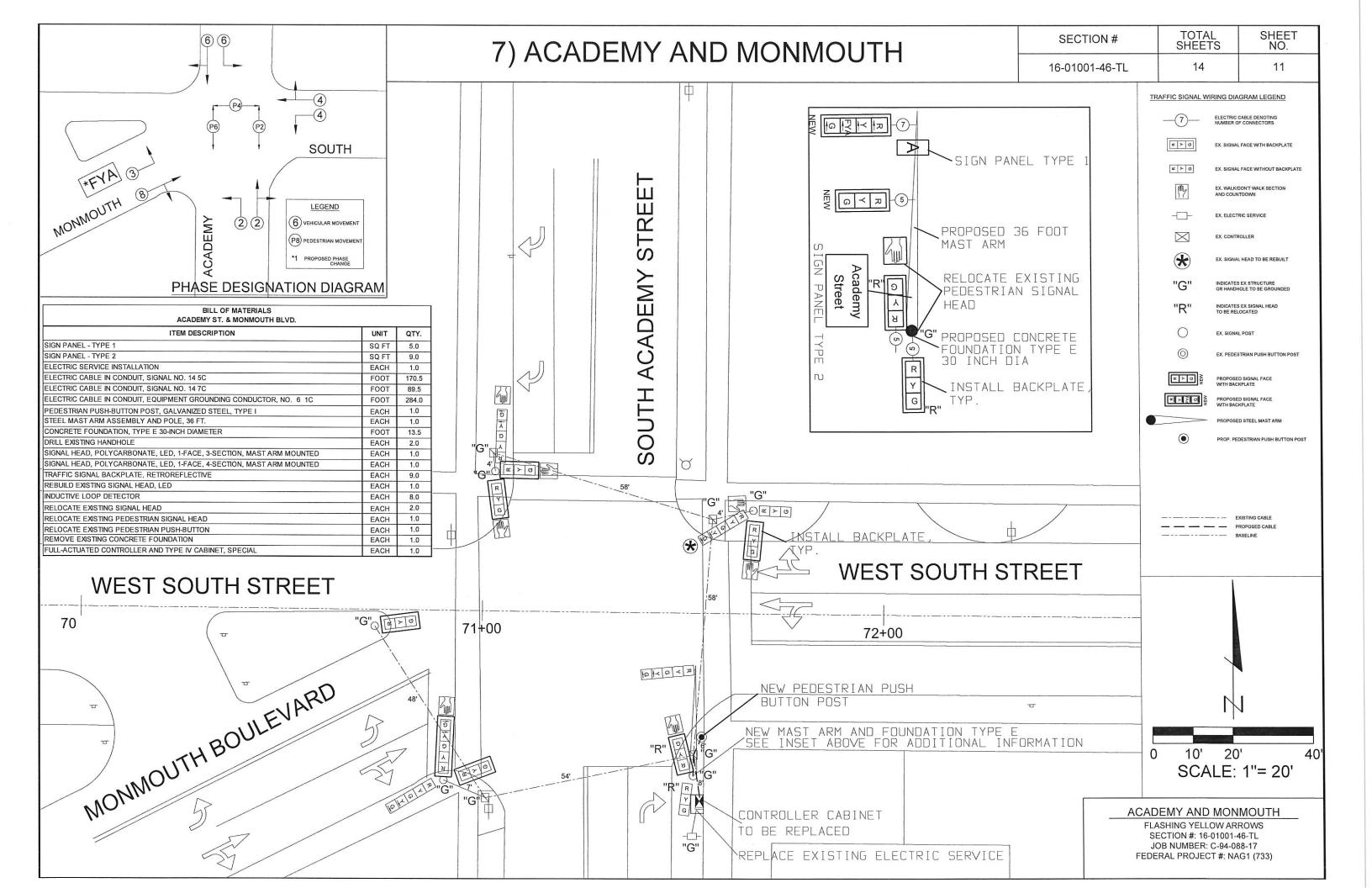


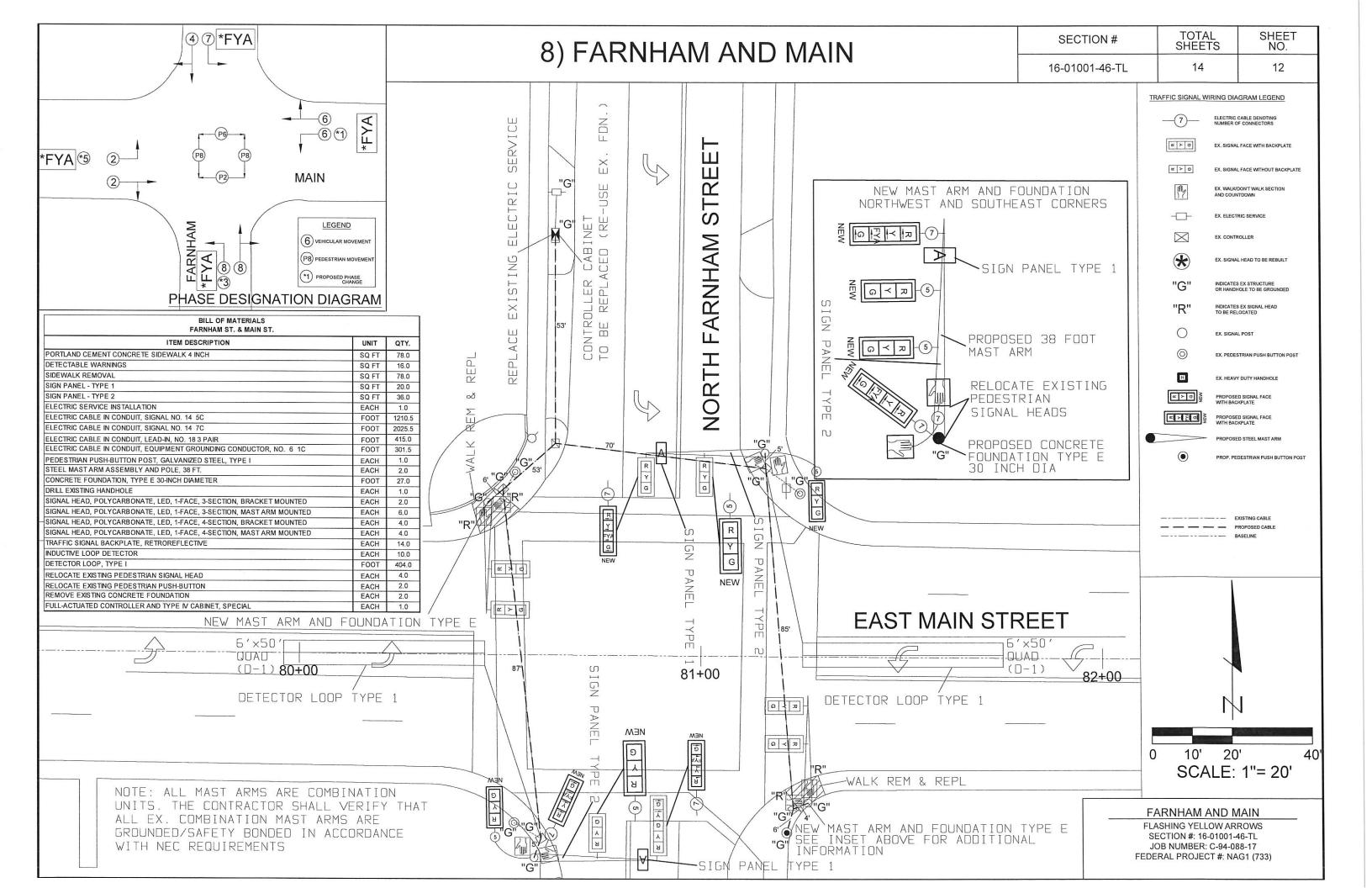


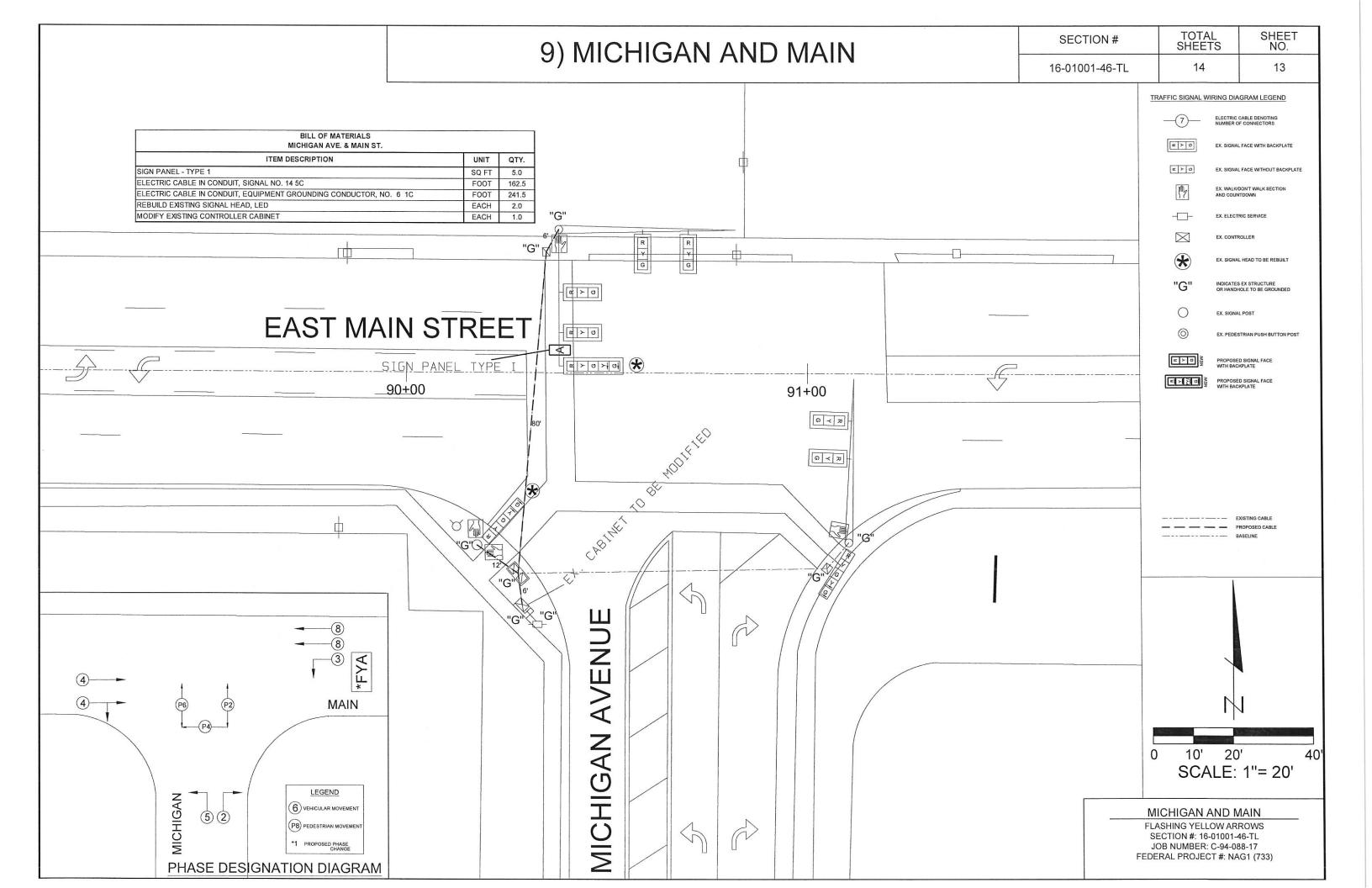












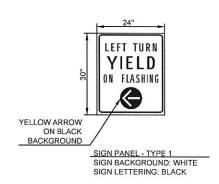
MAST ARM LOADING DIAGRAM

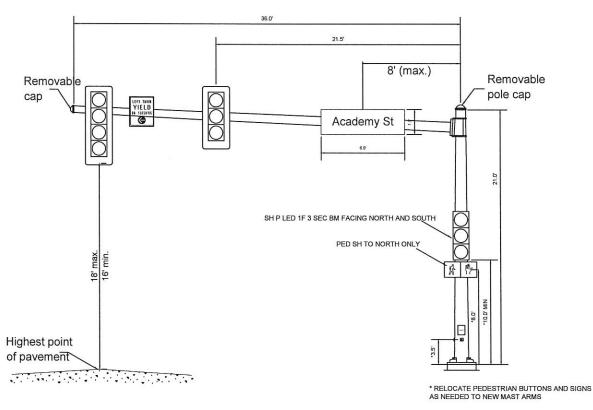
SECTION#	TOTAL SHEETS	SHEET NO.		
16-01001-46-TL	14	14		



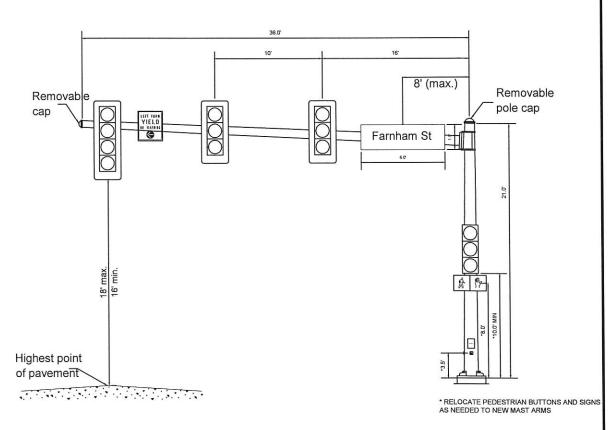
PEDESTRIAN CROSSING SIGN DETAIL (NOT TO SCALE)

TYPE B SHEETING REQUIRED-MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH-BUTTON





ACADEMY AND MONMOUTH NTS



FARNHAM AND MAIN NTS

NOTE: BACKPLATES SHALL BE PLACED ON EACH SIGNAL HEAD MOUNTED ON MAST ARM

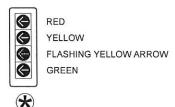
Academy St

SIGN PANEL - TYPE 2 SIGN BACKGROUND: GREEN SIGN LETTERING: BLACK

STANDARD 720016-04: STYLE (f)

REPLACE 'ACADEMY' WITH MAIN AND FARNHAM AS NEEDED

MODIFIED SIGNAL HEAD



MAST ARM LOADING DIAGRAM

FLASHING YELLOW ARROWS SECTION #: 16-01001-46-TL JOB NUMBER: C-94-088-17 FEDERAL PROJECT #: NAG1 (733)