

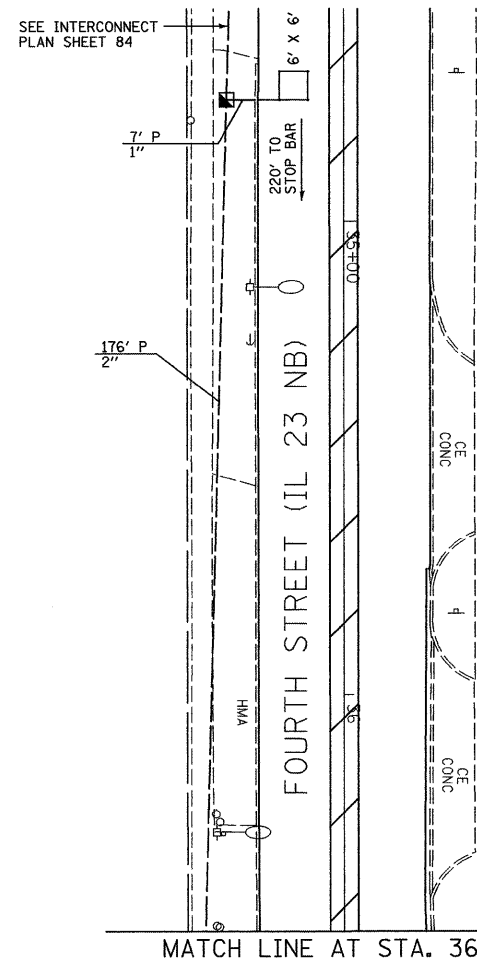
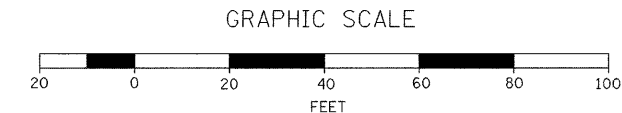
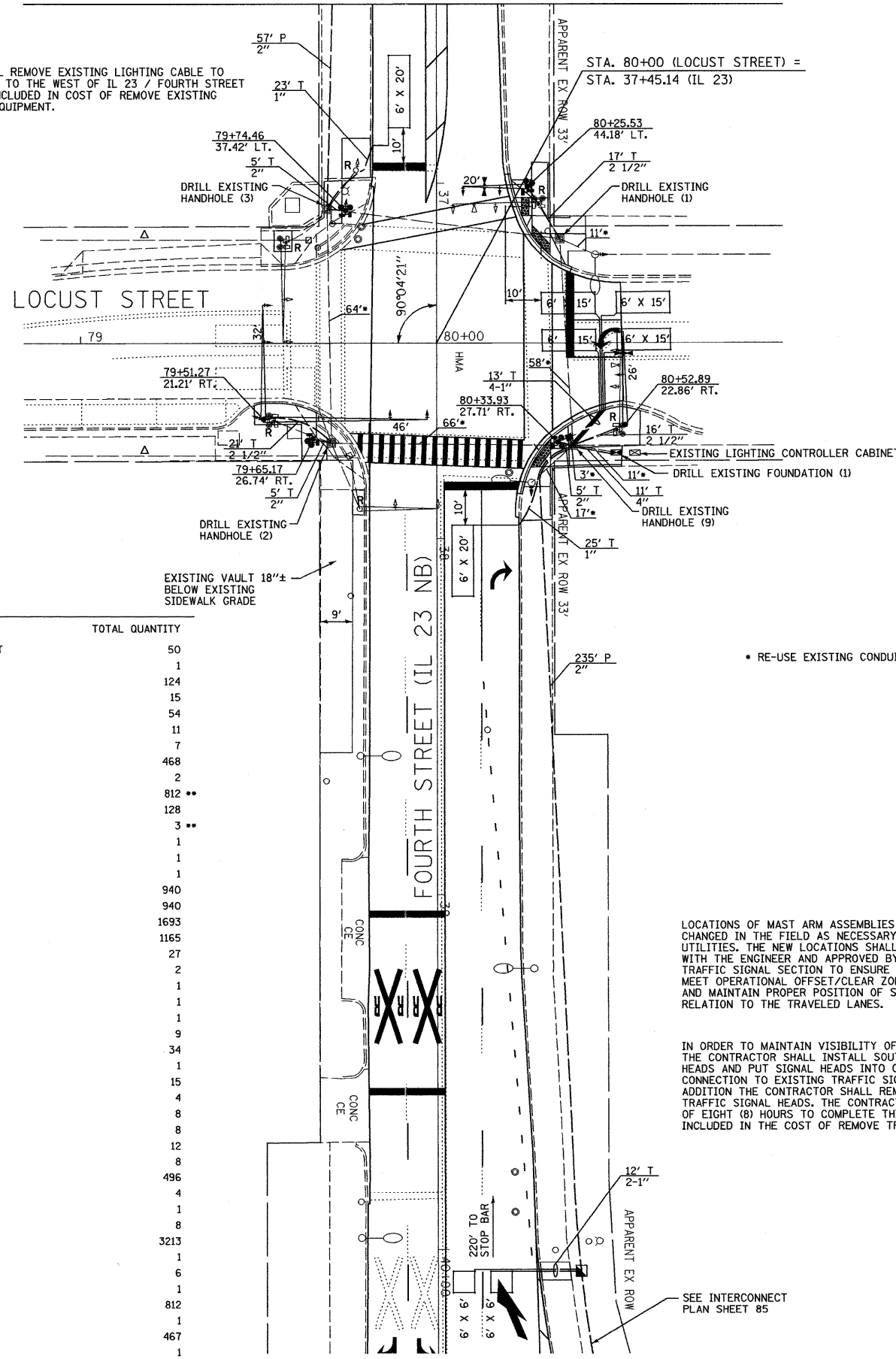
CONSTRUCTION NOTES:

- REMOVE AND REPLACE CONTROLLER AND CABINET ON EXISTING FOUNDATION.
 - INSTALL UNINTERRUPTABLE POWER SUPPLY.
 - REMOVE EXISTING TRAFFIC SIGNAL POST AND COMBINATION MAST ARM AND POLE ON THE NORTHWEST CORNER AND REPLACE WITH A TRAFFIC SIGNAL POST ON NEW FOUNDATION AS SHOWN.
 - REMOVE AND REPLACE EXISTING MAST ARM AND POLE ON THE NORTHEAST CORNER ON NEW FOUNDATION AS SHOWN.
 - REMOVE AND REPLACE EXISTING TRAFFIC SIGNAL HEADS MOUNTED ON EXISTING LIGHT POLES ON THE NORTHEAST AND SOUTHEAST CORNERS AS SHOWN.
 - REMOVE EXISTING MAST ARM AND POLE ON THE SOUTHWEST CORNER AND REPLACE WITH PEDESTRIAN SIGNAL POST AND COMBINATION MAST ARM AND POLE ON NEW FOUNDATIONS AS SHOWN.
 - REMOVE EXISTING TRAFFIC SIGNAL POST AND COMBINATION MAST ARM AND POLE ON SOUTHWEST CORNER AND REPLACE WITH PEDESTRIAN SIGNAL POST AND TWO(2) COMBINATION MAST ARMS AND POLES ON NEW FOUNDATIONS AS SHOWN.
 - REMOVE AND REPLACE CABLE IN EXISTING CONDUIT WHERE SHOWN.
 - INSTALL NEW CONDUIT AND CABLE WHERE NOTED.
 - EXISTING HANDHOLES SHALL BE UTILIZED AS SHOWN.
 - EXISTING FOUNDATIONS SHALL BE REMOVED AS SHOWN.
 - INSTALL NEW EMERGENCY VEHICLE PRIORITY SYSTEM EQUIPMENT ON PROPOSED TRAFFIC SIGNAL STRUCTURES AS SHOWN.
 - REMOVE AND REPLACE EXISTING SERVICE INSTALLATION ON EXISTING POLE AS SHOWN.
 - REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 - 1 EACH - CONTROLLER CABINET W/ALL CONTENTS
 - 2 EACH - TRAFFIC SIGNAL POST
 - 2 EACH - MAST ARM AND POLE
 - 2 EACH - COMBINATION MAST ARM AND POLE
 - 4 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
 - 8 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
 - 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
 - 4 EACH - EMERGENCY VEHICLE PRIORITY SYSTEM
 - 1 EACH - SERVICE INSTALLATION
- ** NOTE - LIGHTING AT SE CORNERS IS 90% FED/10% STATE FUNDS ALL OTHER LIGHTING IS 100% CITY COST

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000200	SIGN PANEL - TYPE 2	SQ FT	50
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	124
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	15
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	54
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	11
81021300	CONDUIT PUSHED, 1" DIA., PVC	FOOT	7
81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	468
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	812 **
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	128
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	3 **
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	940
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	940
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1693
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1165
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	27
87502270	TRAFFIC SIGNAL POST, PAINTED STEEL 12 FT.	EACH	2
87502310	TRAFFIC SIGNAL POST, PAINTED STEEL 16 FT.	EACH	1
87704030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT. (SPECIAL)	EACH	1
87704060	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	34
87900100	DRILL EXISTING FOUNDATION	EACH	1
87900200	DRILL EXISTING HANDHOLE	EACH	15
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
88500100	INDUCTIVE LOOP DETECTOR	EACH	8
88600100	DETECTOR LOOP, TYPE I	FOOT	496
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3213
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	812
X8860100	LOOP DETECTOR TESTING	EACH	1
*3002214	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 20 3/C	FOOT	467
*3002218	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL ARMS, 32 FT. AND 46 FT.	EACH	1

MATCH LINE AT STA. 36+50



LOCATIONS OF MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.

IN ORDER TO MAINTAIN VISIBILITY OF SOUTHBOUND TRAFFIC SIGNALS, THE CONTRACTOR SHALL INSTALL SOUTHBOUND MAST ARM AND SIGNAL HEADS AND PUT SIGNAL HEADS INTO OPERATION BY MAKING A TEMPORARY CONNECTION TO EXISTING TRAFFIC SIGNAL CONTROLLER CABINET. IN ADDITION THE CONTRACTOR SHALL REMOVE THE EXISTING SOUTHBOUND TRAFFIC SIGNAL HEADS. THE CONTRACTOR WILL BE ALLOWED A MAXIMUM OF EIGHT (8) HOURS TO COMPLETE THIS WORK. THIS WORK WILL BE INCLUDED IN THE COST OF REMOVE TRAFFIC SIGNAL EQUIPMENT.

TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	CONDUIT
[Symbol]	[Symbol]	SIGNAL HEAD WITH BACKPLATE
[Symbol]	[Symbol]	STEEL MAST ARM
[Symbol]	[Symbol]	COMBINATION STEEL MAST ARM
[Symbol]	[Symbol]	TRAFFIC SIGNAL POST
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	DOUBLE HANDHOLE
[Symbol]	[Symbol]	PEDESTRIAN SIGNAL HEAD
[Symbol]	[Symbol]	PEDESTRIAN PUSH BUTTON
[Symbol]	[Symbol]	LIGHT DETECTOR W/CONFIRMATION BEACON