CONSTRUCTION NOTES:

REMOVE AND REPLACE CONTROLLER AND CABINET ON EXISTING FOUNDATION.

INSTALL UNINTERRUPTABLE POWER SUPPLY.

REMOVE AND REPLACE EXISTING TRAFFIC SIGNAL POST ON THE NORTHWEST CORNER ON A NEW FOUNDATION AS SHOWN.

REMOVE AND REPLACE EXISTING TRAFFIC SIGNAL POST AND DUAL COMBINATION MAST ARM AND POLE ON THE EAST SIDE OF INTERSECTION ON NEW FOUNDATIONS AS SHOWN.

REMOVE AND REPLACE EXISTING COMBINATION MAST ARM AND POLE ON THE SOUTHWEST CORNER ON A NEW FOUNDATION 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

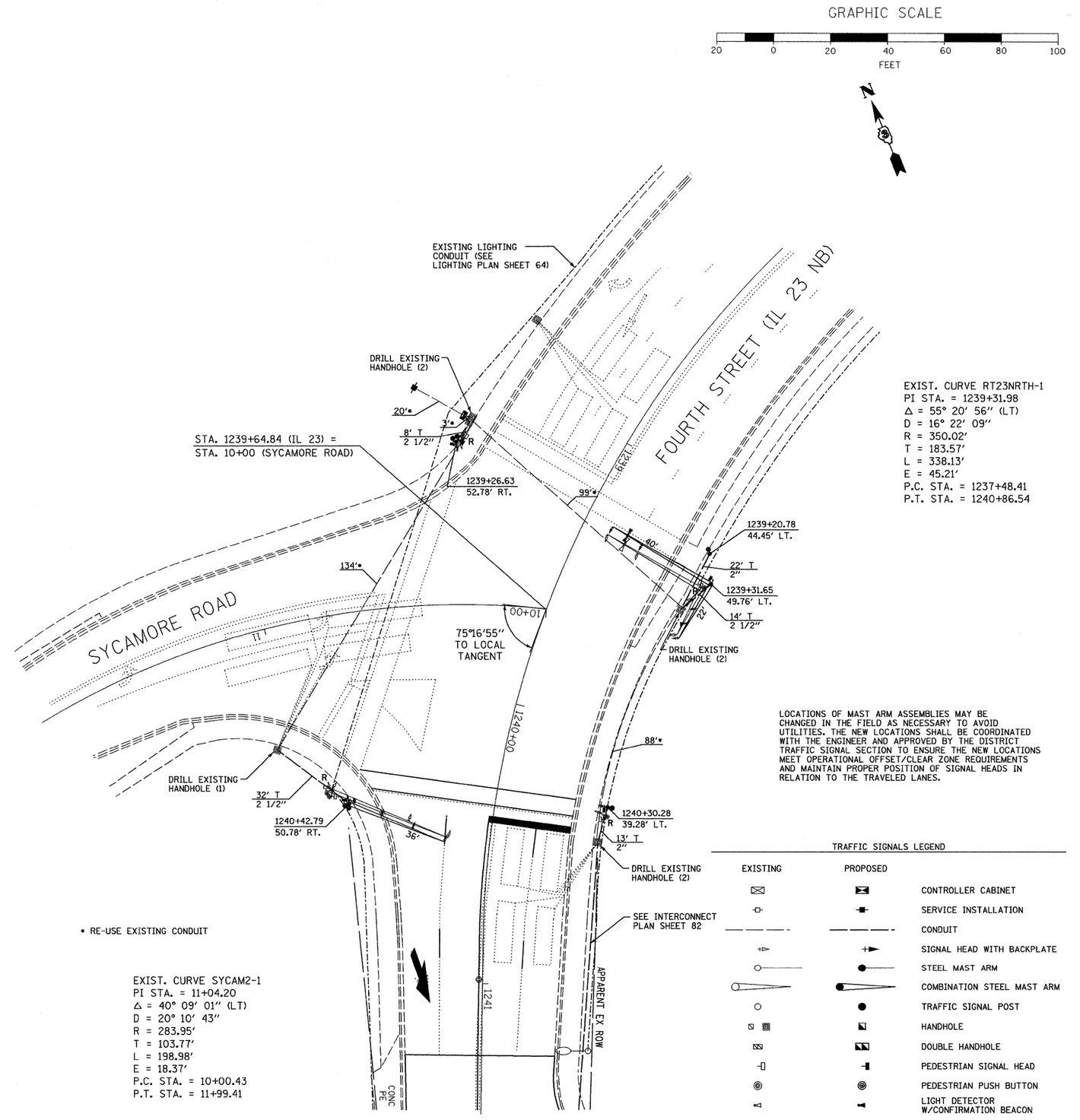
REMOVE AND REPLACE EXISTING SERVICE INSTALLATION AT EXISTING LOCATION AS SHOWN.

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
- 1 EACH - DUAL COMBINATION MAST ARM AND POLE
- 1 EACH - COMBINATION MAST ARM AND POLE
- 5 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
- 6 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
- 6 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
- 3 EACH - EMERGENCY VEHICLE PRIORITY SYSTEM
- 1 EACH - SERVICE INSTALLATION

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000200	SIGN PANEL - TYPE 2	SQ FT	42.5
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	35
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	54
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	89
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	930
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	922
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1806
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	285
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	26
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE 1	EACH	1
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	25
87900200	DRILL EXISTING HANDHOLE	EACH	7
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
88500100	INDUCTIVE LOOP DETECTOR	EACH	3
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3689
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
~~X8730027~~ EQUIPMENT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C CONDUCTOR	FOOT	459
X8860100	LOOP DETECTOR TESTING	EACH	1
*3002186	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL ARMS, 22 FT. AND 40 FT.	EACH	1
*3002214	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 20 3/C	FOOT	611



* RE-USE EXISTING CONDUIT

EXIST. CURVE SYCAM2-1
PI STA. = 11+04.20
Δ = 40° 09' 01" (LT)
D = 20° 10' 43"
R = 283.95'
T = 103.77'
L = 198.98'
E = 18.37'
P.C. STA. = 10+00.43
P.T. STA. = 11+99.41

EXIST. CURVE RT23NRTH-1
PI STA. = 1239+31.98
Δ = 55° 20' 56" (LT)
D = 16° 22' 09"
R = 350.02'
T = 183.57'
L = 338.13'
E = 45.21'
P.C. STA. = 1237+48.41
P.T. STA. = 1240+86.54

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.

TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	
⊠	■	CONTROLLER CABINET
○	●	SERVICE INSTALLATION
———	———	CONDUIT
⊢▷	⊢▶	SIGNAL HEAD WITH BACKPLATE
○———	●———	STEEL MAST ARM
○———	●———	COMBINATION STEEL MAST ARM
○	●	TRAFFIC SIGNAL POST
▨	◪	HANDHOLE
▨	◪	DOUBLE HANDHOLE
⊣▯	⊣▮	PEDESTRIAN SIGNAL HEAD
◎	◉	PEDESTRIAN PUSH BUTTON
◅	◂	LIGHT DETECTOR W/CONFIRMATION BEACON

FILE NAME = D366983-SHT-TS-PLN-RT23-SYCAMORE.DGN	USER NAME = --	DESIGNED - DJD	REVISED -
		DRAWN - ARR	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - DJD	REVISED -
	PLOT DATE = 01/11	DATE - 01/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
FAP 68 (IL 23)/FOURTH STREET AND SYCAMORE ROAD

SCALE: 1" = 20' | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(28)N, TS & I	DEKALB	120	60
		CONTRACT NO. 66983		
		ILLINOIS	FED. AID PROJECT	