CONTRACT #72679

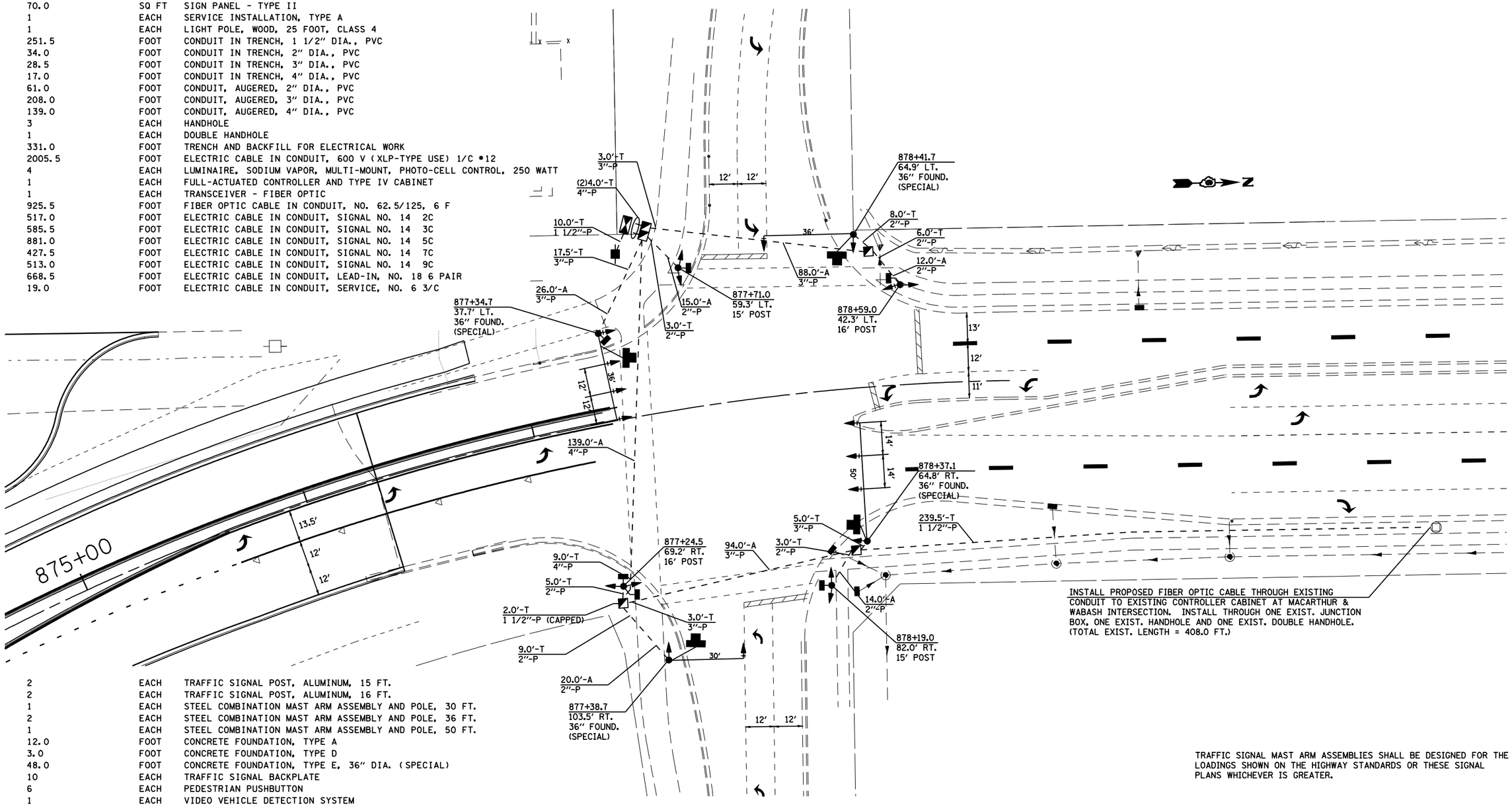
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8071	*	SANGAMON	425	274
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (B4-9)RS-6; (G)Z

TRAFFIC SIGNAL QUANTITIES

LOCATION: MACARTHUR BLVD & JUNCTION CIRCLE

QUANTITY	UNIT	ITEM
70.0	SQ FT	SIGN PANEL - TYPE II
1	EACH	SERVICE INSTALLATION, TYPE A
1	EACH	LIGHT POLE, WOOD, 25 FOOT, CLASS 4
251.5	FOOT	CONDUIT IN TRENCH, 1 1/2" DIA., PVC
34.0	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
28.5	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
17.0	FOOT	CONDUIT IN TRENCH, 4" DIA., PVC
61.0	FOOT	CONDUIT, AUGERED, 2" DIA., PVC
208.0	FOOT	CONDUIT, AUGERED, 3" DIA., PVC
139.0	FOOT	CONDUIT, AUGERED, 4" DIA., PVC
3	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
331.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
2005.5	FOOT	ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 1/C #12
4	EACH	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
1	EACH	TRANSCEIVER - FIBER OPTIC
925.5	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6 F
517.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
585.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
881.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
427.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
513.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C
668.5	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 6 PAIR
19.0	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3/C



INSTALL PROPOSED FIBER OPTIC CABLE THROUGH EXISTING CONDUIT TO EXISTING CONTROLLER CABINET AT MACARTHUR & WABASH INTERSECTION. INSTALL THROUGH ONE EXIST. JUNCTION BOX, ONE EXIST. HANDHOLE AND ONE EXIST. DOUBLE HANDHOLE. (TOTAL EXIST. LENGTH = 408.0 FT.)

QUANTITY	UNIT	ITEM
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 15 FT.
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT.
12.0	FOOT	CONCRETE FOUNDATION, TYPE A
3.0	FOOT	CONCRETE FOUNDATION, TYPE D
48.0	FOOT	CONCRETE FOUNDATION, TYPE E, 36" DIA. (SPECIAL)
10	EACH	TRAFFIC SIGNAL BACKPLATE
6	EACH	PEDESTRIAN PUSHBUTTON
1	EACH	VIDEO VEHICLE DETECTION SYSTEM
4	EACH	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, L.E.D., 2-FACE, 1-3 SECTION, 1-4 SECTION BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, L.E.D., 2-FACE, BRACKET MOUNTED
1347.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1/C (GREEN)

TRAFFIC SIGNAL MAST ARM ASSEMBLIES SHALL BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS WHICHEVER IS GREATER.

20 0 20 40
SCALE IN FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNALS

MACARTHUR BLVD & NORTH ST. / JUNCTION CIRCLE
SANGAMON COUNTY

SCALE: VERT. HORIZ.
DATE DEC. 2004
DRAWN BY KDA
CHECKED BY IDOT

LAYOUT	IDOT	00/00/06
DRAWN	IDOT	00/00/06
REVIEWED	IDOT	00/00/06

Apr-11-2008 09:05:02AM
$FILE$