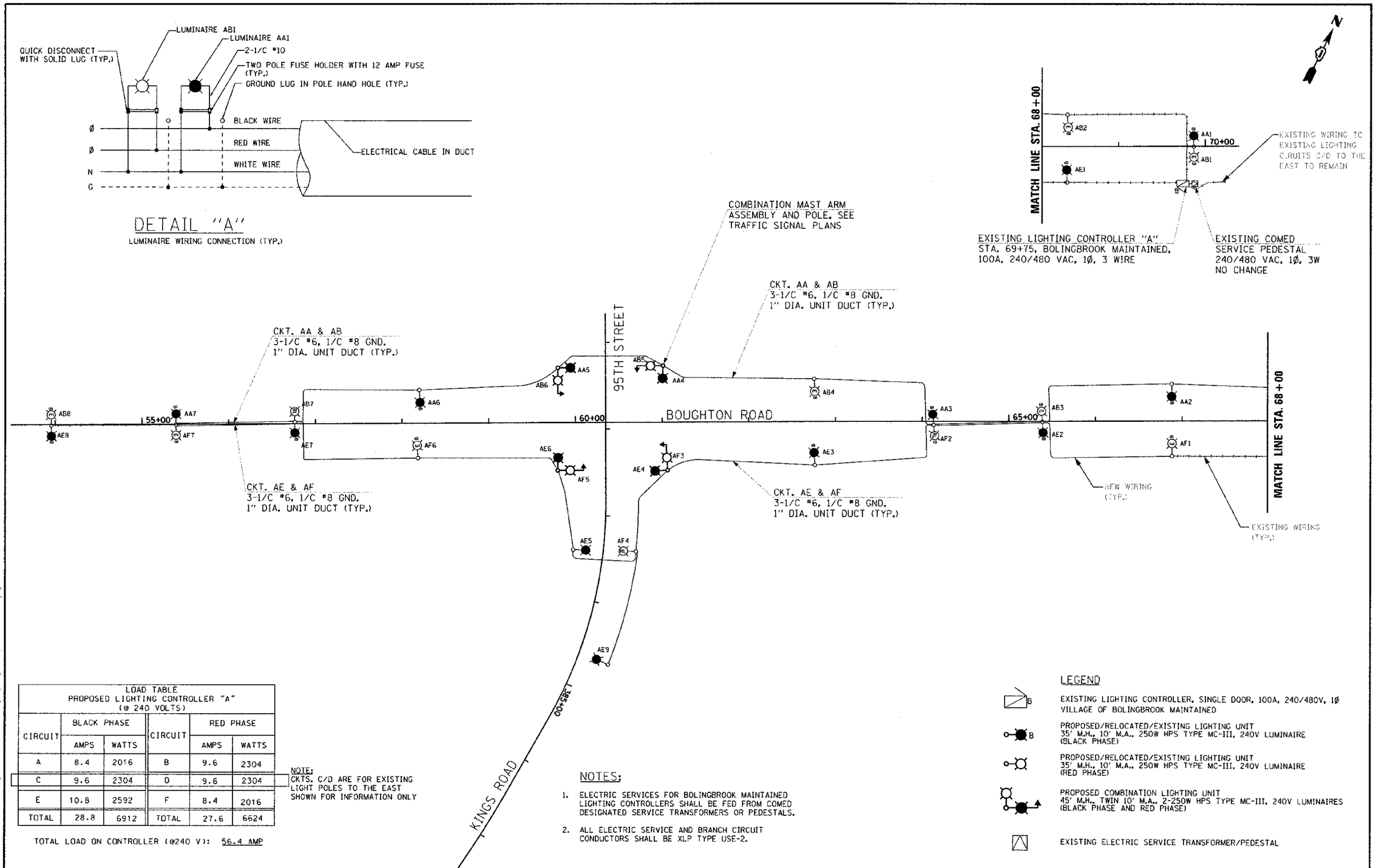
DETAIL "A"

LUMINAIRE WIRING CONNECTION (TYP.)



LOAD TABLE PROPOSED LIGHTING CONTROLLER "A" (@ 240 VOLTS)					
CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	8.4	2016	B	9.6	2304
C	9.6	2304	D	9.6	2304
E	10.8	2592	F	8.4	2016
TOTAL	28.8	6912	TOTAL	27.6	6624

TOTAL LOAD ON CONTROLLER (@240 V): 56.4 AMP

NOTE:
CKTS. C/D ARE FOR EXISTING LIGHT POLES TO THE EAST SHOWN FOR INFORMATION ONLY

NOTES:

1. ELECTRIC SERVICES FOR BOLINGBROOK MAINTAINED LIGHTING CONTROLLERS SHALL BE FED FROM COMED DESIGNATED SERVICE TRANSFORMERS OR PEDESTALS.
2. ALL ELECTRIC SERVICE AND BRANCH CIRCUIT CONDUCTORS SHALL BE XLP TYPE USE-2.

LEGEND

- EXISTING LIGHTING CONTROLLER, SINGLE DOOR, 100A, 240/480V, 1Ø VILLAGE OF BOLINGBROOK MAINTAINED
- PROPOSED/RELOCATED/EXISTING LIGHTING UNIT 35' M.H., 10' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
- PROPOSED/RELOCATED/EXISTING LIGHTING UNIT 35' M.H., 10' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
- PROPOSED COMBINATION LIGHTING UNIT 45' M.H., TWIN 10' M.A., 2-250W HPS TYPE MC-III, 240V LUMINAIRES (BLACK PHASE AND RED PHASE)
- EXISTING ELECTRIC SERVICE TRANSFORMER/PEDESTAL

URS
100 S.WACKER DR.
SUITE 500
CHICAGO IL 60606
TEL (312)-939-1000
FAX (312)-939-4198

USER NAME = jamesmae	DESIGNED - MAE	REVISED -
	DRAWN - MAE	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - DAD	REVISED -
PLOT DATE = 2/16/2012	DATE - 2/1/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
PROPOSED WIRING DIAGRAM - BOLINGBROOK CONTROLLER "A"

SCALE: NONE | DRAWING NO. 24 OF 30 | STA. 54+00 TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	01-00181-00-FP	WILL	328	152

CONTRACT NO. 63647

ILLINOIS FED. AID PROJECT