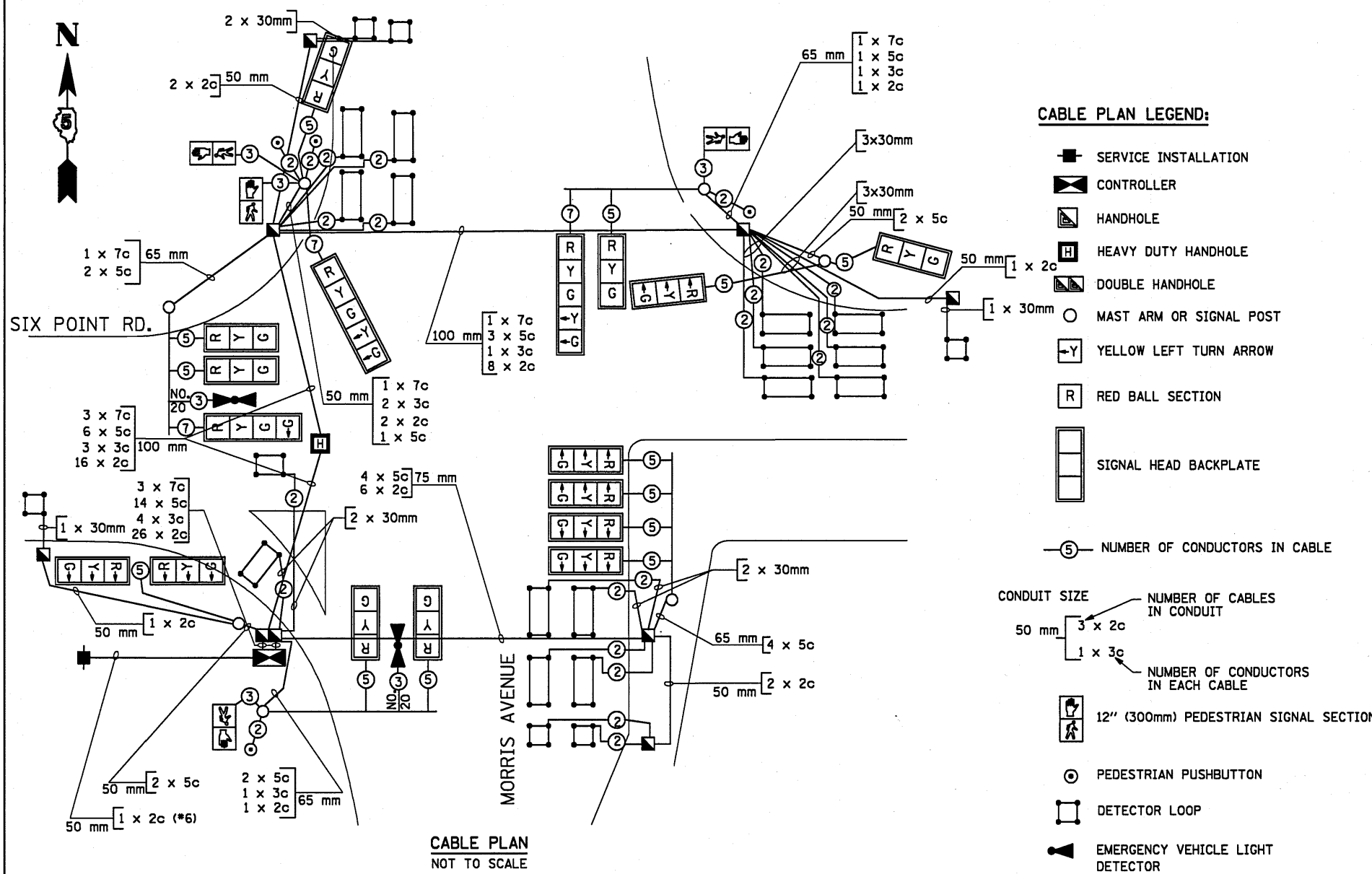


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(UN & TS-1	McLean	497	260
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514



CABLE PLAN
NOT TO SCALE

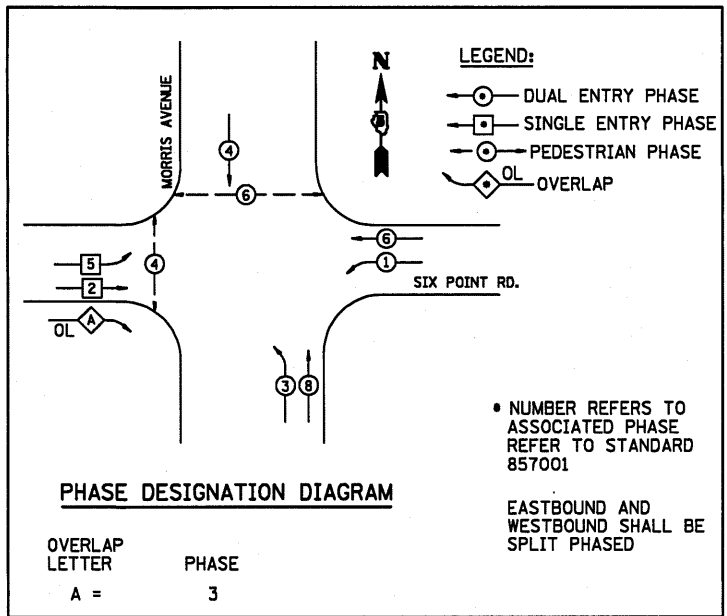
CABLE PLAN LEGEND:

- SERVICE INSTALLATION
- CONTROLLER
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- MAST ARM OR SIGNAL POST
- Y YELLOW LEFT TURN ARROW
- R RED BALL SECTION
- SIGNAL HEAD BACKPLATE
- ⑤ NUMBER OF CONDUCTORS IN CABLE
- CONDUIT SIZE
- 50 mm 3 x 2c NUMBER OF CABLES IN CONDUIT
- 1 x 3c NUMBER OF CONDUCTORS IN EACH CABLE
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- PEDESTRIAN PUSHBUTTON
- DETECTOR LOOP
- ▲ EMERGENCY VEHICLE LIGHT DETECTOR

BILL OF MATERIALS

ITEM	UNIT	QNTY.
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	17
INDUCTIVE LOOP DETECTOR	EACH	22
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SIGN PANEL TYPE I	SQ M	1
SIGN PANEL TYPE II	SQ M	4
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	224
CONDUIT IN TRENCH, 65MM DIA., PVC	METER	26
CONDUIT IN TRENCH, 100MM DIA., PVC	METER	14
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	18
CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	35
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	69
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	321
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1985
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	274
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	958
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	285
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	342
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	12
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65 METER	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 11.58 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.80 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 13.41 METER	EACH	1
CONCRETE FOUNDATION, TYPE A	METER	3.6
CONCRETE FOUNDATION, TYPE D	METER	1.2
CONCRETE FOUNDATION, TYPE E, 600MM DIAMETER	METER	4.6
CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	18.4
DETECTOR LOOP, TYPE I	METER	227
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	METER	1275
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	METER	600
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	METER	164
SERVICE INSTALLATION, TYPE A	EACH	1
LIGHT POLE, WOOD, 10.67 M, CLASS 3	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C TWISTED SHIELDED	EACH	121
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/CDT	EACH	4
BATTERY BACKUP	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 6.09 METER	EACH	1
PEDESTRIAN SIGNAL HEAD LED, 1-FACE BRACKET MOUNTED	EACH	

** 100% COST TO CITY OF BLOOMINGTON FIRE DEPARTMENT



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER PHASE
A = 3

- LEGEND:
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - PEDESTRIAN PHASE
 - ◇ OL OVERLAP

• NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001
EASTBOUND AND WESTBOUND SHALL BE SPLIT PHASED

FILE# 9/28/2010 \$TIME\$

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MORRIS AVENUE & SIX POINT ROAD SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM

SCALE: NONE
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA