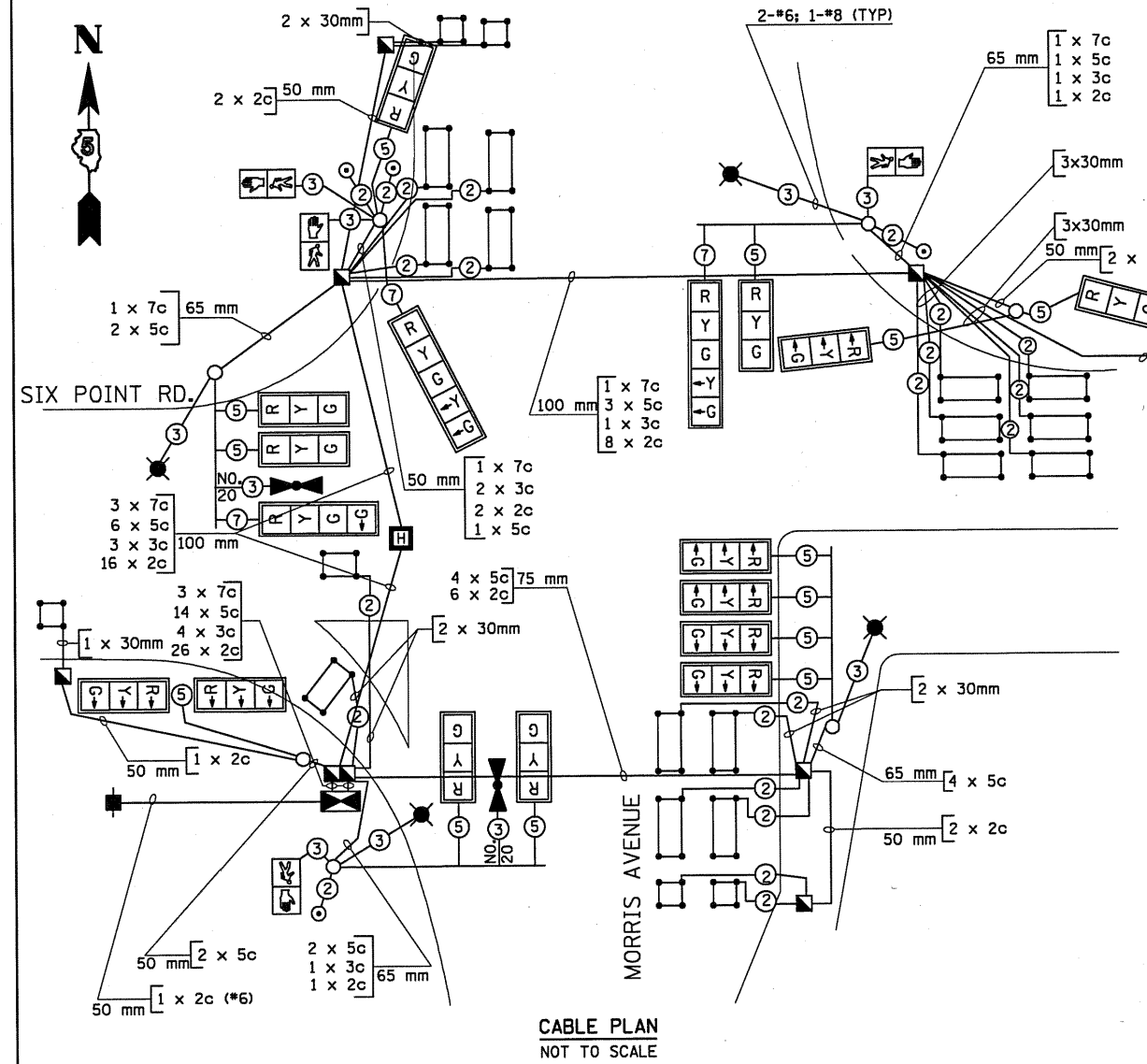


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLean	497	260
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



CABLE PLAN LEGEND:

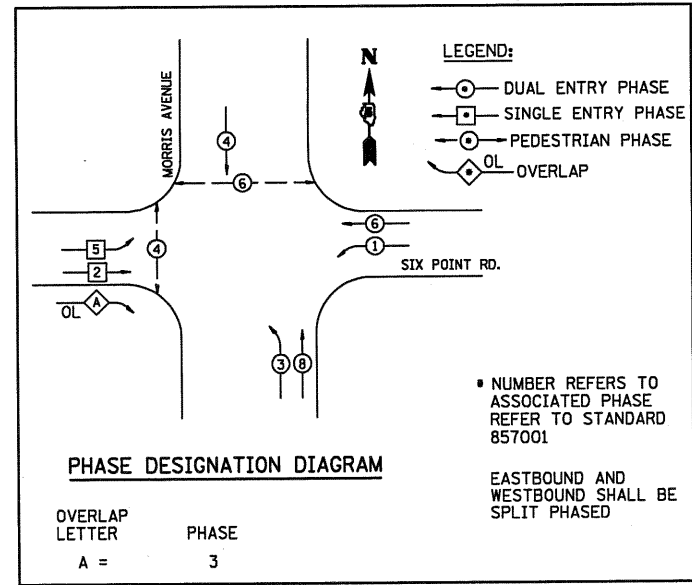
- SERVICE INSTALLATION
- ⊠ CONTROLLER
- ⊠ HANDHOLE
- ⊠ HEAVY DUTY HANDHOLE
- ⊠ DOUBLE HANDHOLE
- MAST ARM OR SIGNAL POST
- Y YELLOW LEFT TURN ARROW
- ⊠ R RED BALL SECTION
- ⊠ SIGNAL HEAD BACKPLATE
- ⑤ NUMBER OF CONDUCTORS IN CABLE
- CONDUIT SIZE: 50 mm (3 x 2c), 65 mm (4 x 5c), 100 mm (1 x 3c)
- NUMBER OF CABLES IN CONDUIT
- 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	0
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	1

CABLE PLAN NOT TO SCALE

NOTE: LIGHTING CABLE SHALL CONSIST OF 2-#6 (XLP-TYPE USE) 1-#8 (XLP-TYPE USE) AND SHALL BE INSTALLED IN THE SEPARATE LIGHTING CONDUIT AS SHOWN ON THE PLAN SHEET. SEE BILL OF MATERIALS FOR LIGHTING.



NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001

EASTBOUND AND WESTBOUND SHALL BE SPLIT PHASED

•• 100% COST TO CITY OF BLOOMINGTON FIRE DEPARTMENT

REVISED SHEET 10/23/05-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 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

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

FILE# 10/14/2010 \$TIME\$