

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLean	497	256
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

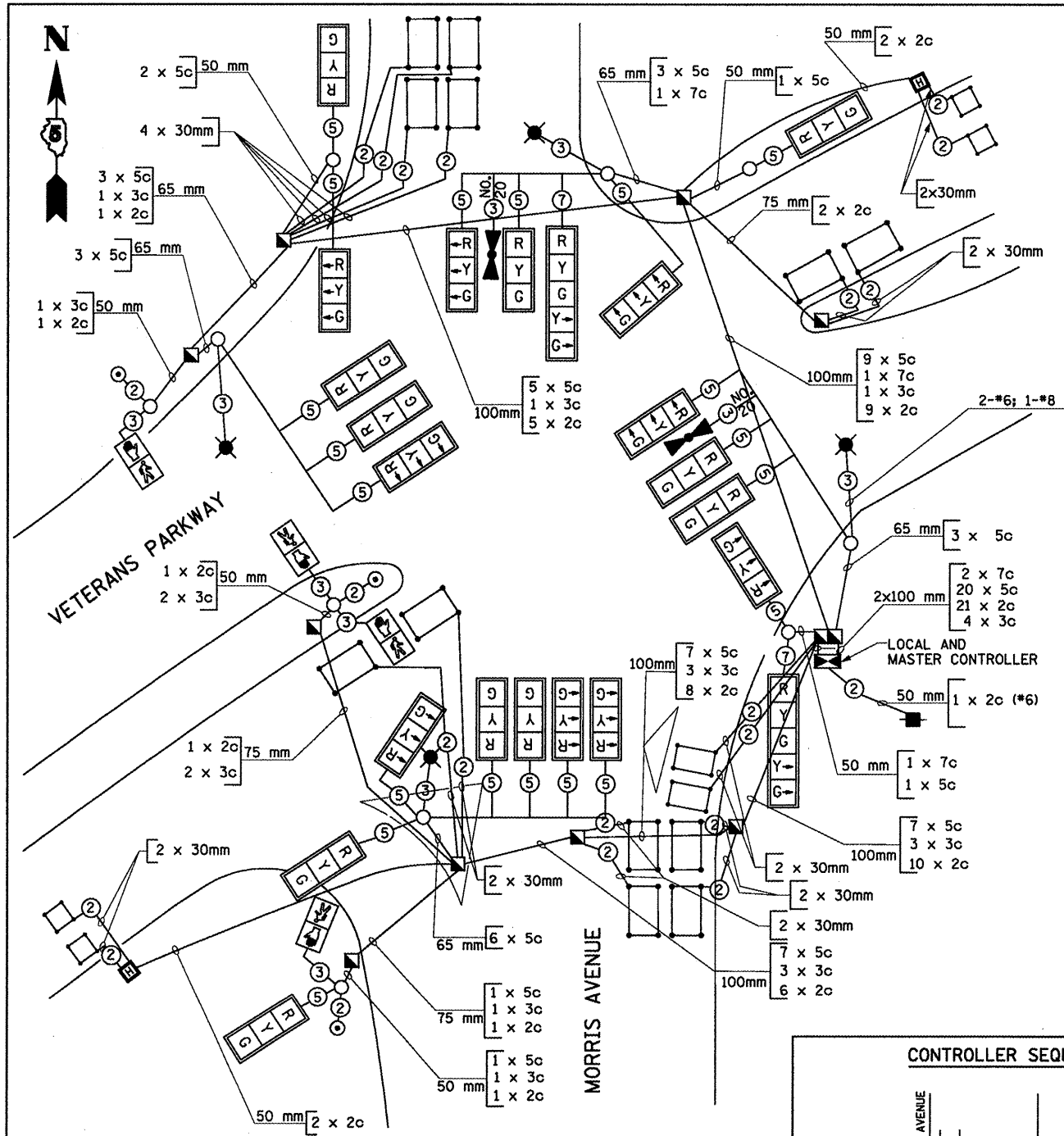
CONTRACT NO. 70514

BILL OF MATERIALS

ITEM	UNIT	QNTY.
HANDHOLE	EACH	9
HEAVY DUTY HANDHOLE	EACH	2
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	22
INDUCTIVE LOOP DETECTOR	EACH	18
PEDESTRIAN PUSH-BUTTON	EACH	3
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
SIGN PANEL TYPE I	SQ M	4
SIGN PANEL TYPE II	SQ M	2
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	233
CONDUIT IN TRENCH, 65MM DIA., PVC	METER	20
CONDUIT IN TRENCH, 100MM DIA., PVC	METER	44
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	14
CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	51
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	107
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	357
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1888
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	457
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	1784
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	105
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	368
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	24
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.0 METER	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65 METER	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.19 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 14.02 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 15.24 METER	EACH	2
CONCRETE FOUNDATION, TYPE A	METER	7.2
CONCRETE FOUNDATION, TYPE D	METER	1.2
CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	18.4
DETECTOR LOOP, TYPE I	METER	111
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	METER	1308
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	METER	1700
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	METER	265
SERVICE INSTALLATION, TYPE A	EACH	1
LIGHT POLE, WOOD, 10.67 METERS, CLASS 3	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 2-3 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
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

•• 100% COST TO CITY OF BLOOMINGTON FIRE DEPARTMENT

TS-07

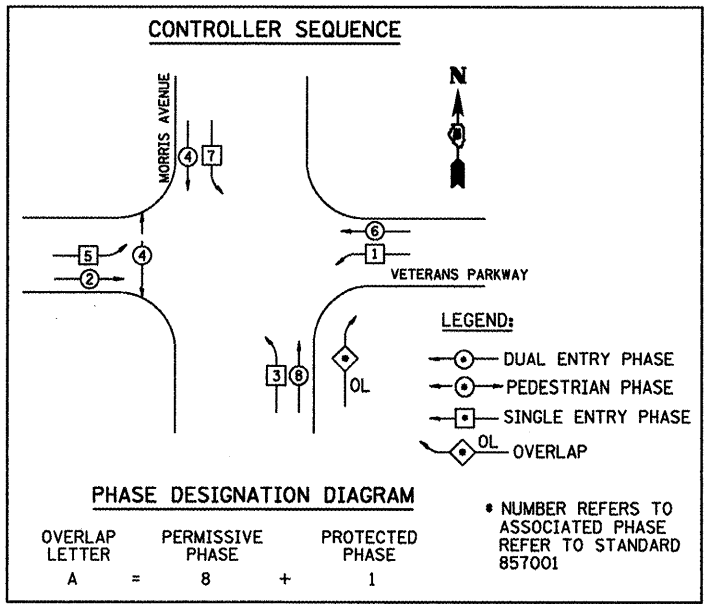


CABLE PLAN
NOT TO SCALE

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.

CABLE PLAN LEGEND:

- SERVICE INSTALLATION
- ⊠ CONTROLLER
- HANDHOLE
- ⊞ DOUBLE HANDHOLE
- ⊞ HEAVY DUTY 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
- 50mm 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
- ⊞ TELEPHONE INSTALLATION



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER PERMISSIVE PHASE PROTECTED PHASE

A = 8 + 1

• NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

VETERANS PARKWAY & MORRIS AVENUE
SCHEDULE OF QUANTITIES, CABLE PLAN
AND PHASE DESIGNATION DIAGRAM

SCALE: 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\$