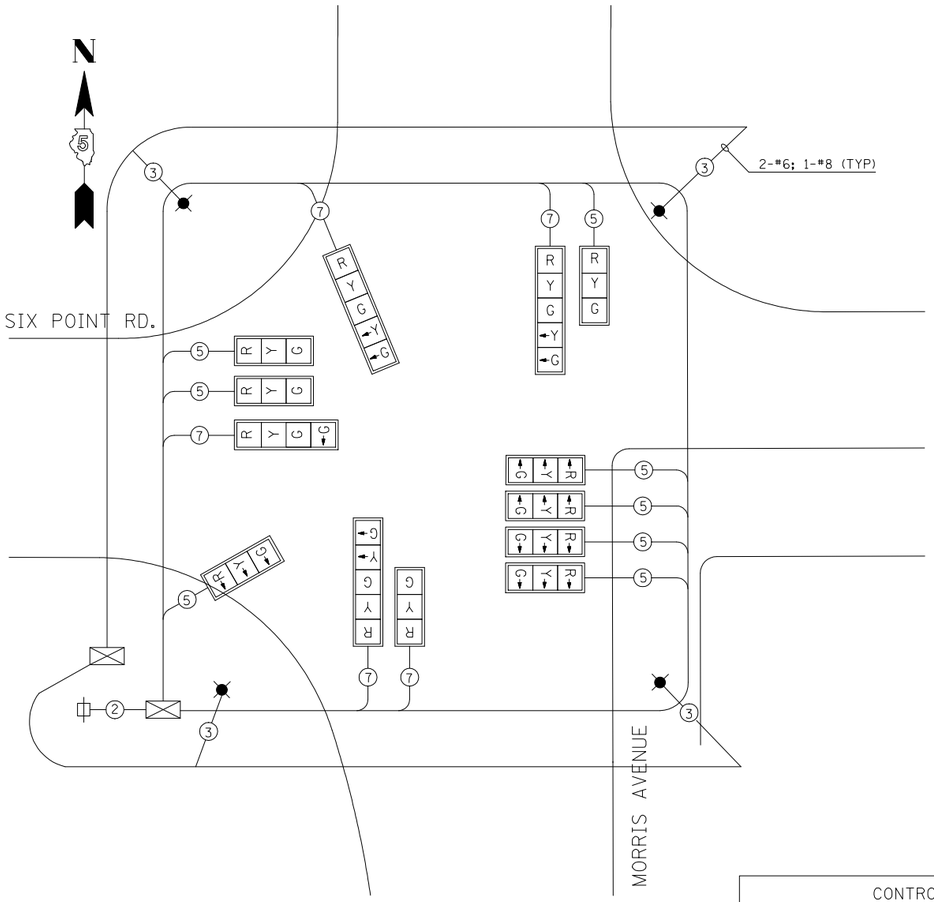
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N &TS-1	McLean	497	258
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 70514



TEMPORARY CABLE PLAN

NOT TO SCALE

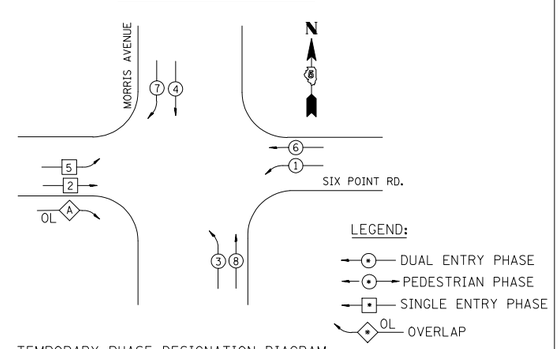
TEMPORARY CABLE PLAN LEGEND:

- R — TEMPORARY TRAFFIC SIGNAL SECTION
- (5) — ELECTRICAL CABLE AERIAL SUSPENDED. ALL CABLE IS NO. 14 AWG EXCEPT AS NOTED.
  - • DENOTES NUMBER OF CONDUCTORS,
  - C - COAXIAL CABLE
- TEMPORARY CONTROLLER CABINET
- SERVICE INSTALLATION
- WIDE AREA VIDEO VEHICLE DETECTION SYSTEM CAMERA
- TEMPORARY 400W HPS LUMINAIRE
- R Y G — TRAFFIC SIGNAL BACKPLATE

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800-892-0123).
2. ALL TRAFFIC SIGNAL HEADS SHALL BE 300MM (12").
3. ALL WOOD SUPPORT POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 10.7 METERS (35 FEET) OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND 80 K.P.H. SUSTAINED WIND LOADING.
4. THE PROPOSED TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
5. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE CONTROLLER AND VIDEO DETECTION SYSTEM IS PLACED IN OPERATION AS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM, CONTRACT SHALL MAKE CERTAIN THAT THE CONTROL EQUIPMENT AND VIDEO DETECTION SYSTEM ARE WORKING TO THE SATISFACTION OF THE ENGINEER.
6. THE ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL SYSTEMS ENGINEER (217) 466-7383 SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO PLACING THE SIGNALS IN OPERATION.
7. ALL SPAN WIRE MOUNTED SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
8. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TEMPORARY TRAFFIC SIGNALS.THE CONTRACTOR SHALL CONTACT AMEREN (ILLINOIS POWER CO.) PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION AND TO ARRANGE FOR ELECTRICAL SERVICE INSTALLATION.
11. IT IS ANTICIPATED THAT THE TEMPORARY CONTROLLER WILL BE LOCATED IN THE SOUTHWEST QUADRANT. A CABINET OF SUFFICIENT SIZE SHALL BE INSTALLED BY THE CONTRACTOR AT A LOCATION ACCEPTABLE TO THE ENGINEER.
12. A MINIMUM 6 METERS OF CABLE SLACK SHALL BE PROVIDED TO ALLOW REPOSITIONING OF EACH SIGNAL HEAD BETWEEN CONSTRUCTION PHASES.
13. THE CONTRACTOR SHALL ASSURE THAT THE TEMPORARY CONTROLLER AND CABINET ARE COMPATIBLE WITH ALL WIDE AREA VIDEO VEHICLE DETECTION SYSTEM EQUIPMENT.
14. RELOCATE EXISTING STREET NAME SIGNS TO TEMPORARY SPAN WIRE POLES AS DIRECTED BY THE ENGINEER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATIONS FOR THE DURATION OF THE SIGNAL WORK.
16. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO TURN-ON AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCLUDED WITH THE COST OF THE TEMPORARY SIGNAL INSTALLATION PAY ITEM.
17. TEMPORARY SIGNALS TO BE IN OPERATION BEFORE EXISTING SIGNALS ARE REMOVED.

CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	8	+	1

• NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001

TS-09

REVISIONS	
NAME	DATE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

MORRIS AVENUE & SIX POINT ROAD
TEMPORARY WIRING PLAN
TEMPORARY PHASE DESIGNATION DIAGRAM

SCALE:

DATE: MARCH, 2009

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

$FILE$
10/14/2010 $TIME$