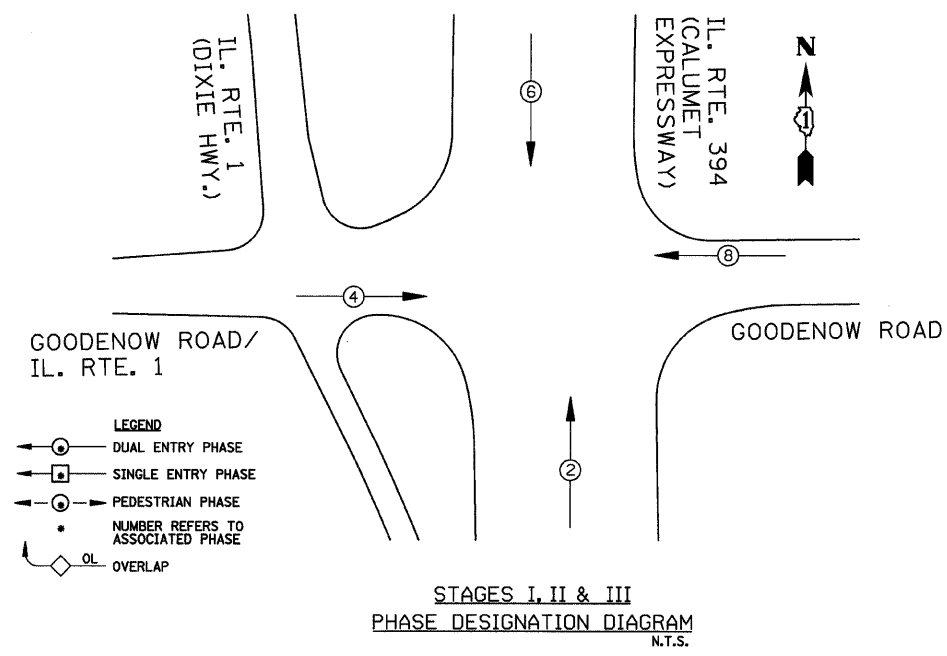


| | | | | |
|---------------------|-----------|---------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 332/876 | 2002-113R | WILL | 242 | 101 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

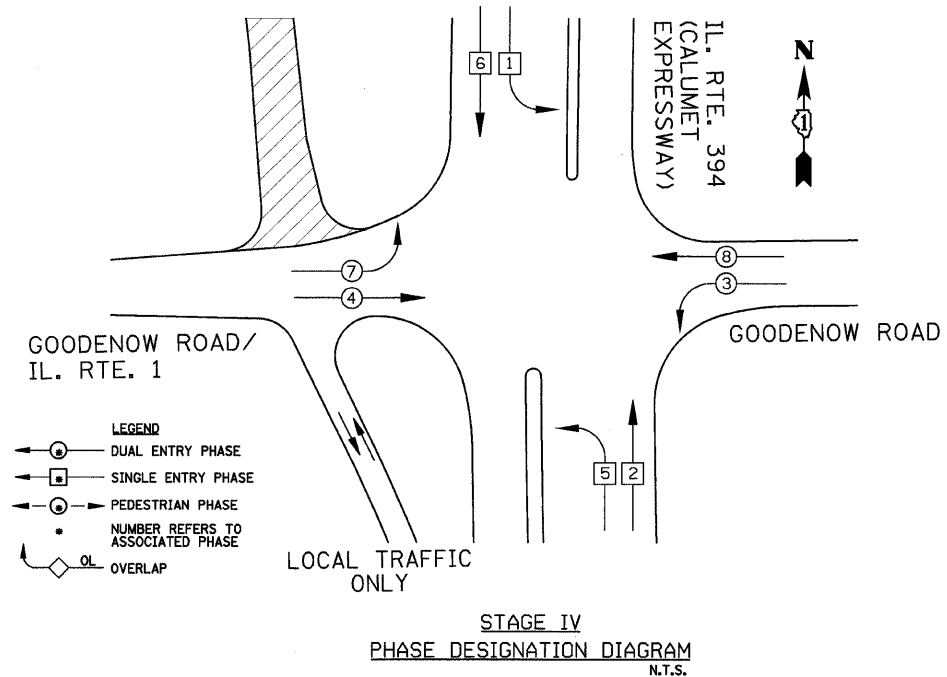
CONTRACT NO. 62542

CONTROLLER SEQUENCE



STAGES I, II & III
PHASE DESIGNATION DIAGRAM
N.T.S.

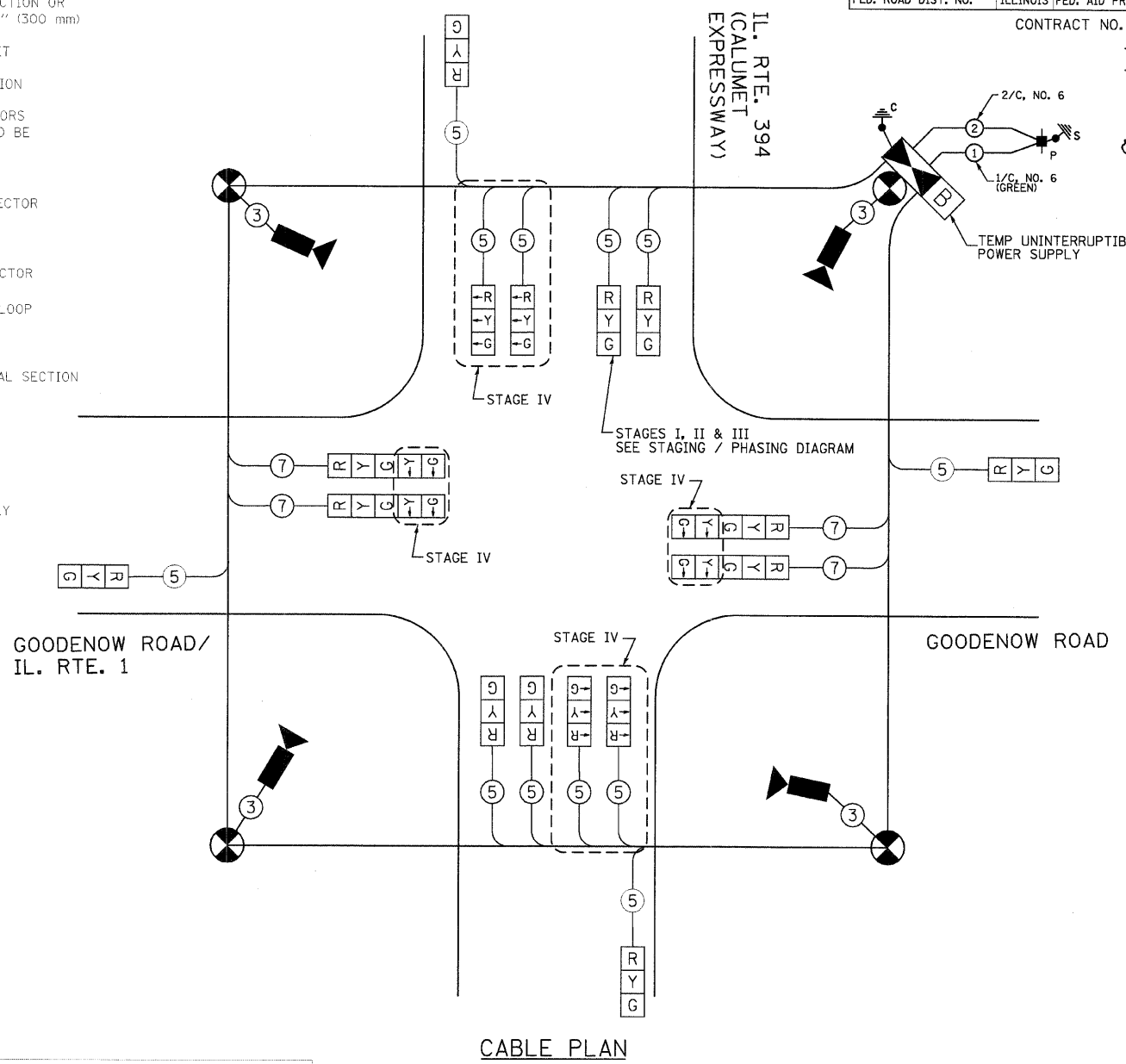
CONTROLLER SEQUENCE



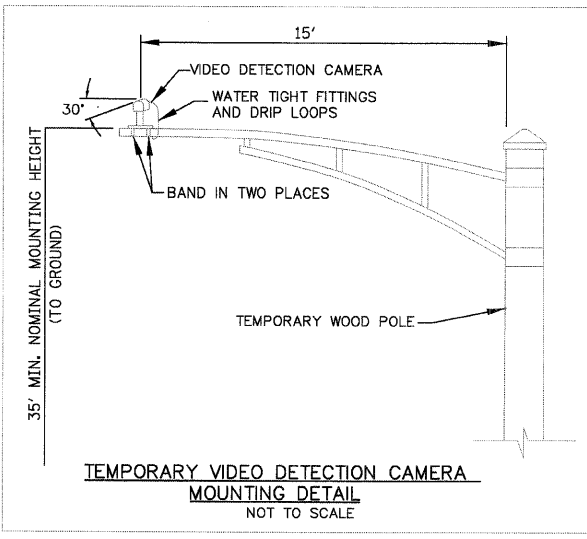
STAGE IV
PHASE DESIGNATION DIAGRAM
N.T.S.

TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- C TEMPORARY CONTROLLER CABINET
- S TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSH-BUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE SENSOR
- TEMPORARY WOOD POLE
- B UNINTERRUPTIBLE POWER SUPPLY
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H'), OR CONTROLLER (C)
- GROUND ROD AT POST (P), OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION



CABLE PLAN



TEMPORARY VIDEO DETECTION CAMERA
MOUNTING DETAIL
NOT TO SCALE

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | |
|--|------------|---------------------|---------------|---------------|--------|
| TYPE | NO. LAMPS* | WATTAGE INCAND. LED | OPERATION (%) | TOTAL WATTAGE | |
| SIGNAL (RED) | 14 | 135 | 17 | 0.50 | 119.00 |
| (YELLOW) | 14 | 135 | 25 | 0.25 | 87.50 |
| (GREEN) | 14 | 135 | 15 | 0.25 | 52.50 |
| ARROW | 8 | 135 | 12 | 0.10 | 9.60 |
| PED. SIGNAL | 90 | 25 | 1.00 | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100.00 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| FLASHER | | | | 0.50 | |
| ENERGY COSTS TO: IDOT DISTRICT ONE | | | | TOTAL = | 368.6 |
| ENERGY SUPPLY CONTACT: PHIL GASTON PHONE: 708-235-2338 COMPANY: CDM ED | | | | | |

| FOUNDATION (DEPTH) | FT. (m) | CABLE SLACK | FT. (m) | VERTICAL | FT. (m) |
|--------------------|----------|------------------|-----------|-------------------|---------------------|
| TYPE A - POST | 4 (1.2) | HANDHOLE | 6.5 (2.0) | ALL FOUNDATIONS | 3.5 (1.0) |
| D - CONTROLLER | 4 (1.2) | DOUBLE HANDHOLE | 13 (4.0) | MAST ARM (L) POLE | 20' H-2" (60H-0.6m) |
| E - M. ARM POLE | | SIGNAL POST | 2 (1.0) | BRACKET MOUNTED | 13 (4.0) |
| 24" (600mm) | 10 (3.0) | CONTROLLER CAB. | 1 (0.5) | PED. BUTTON | 4 (1.2) |
| 30" (750mm) | 15 (4.6) | FIBER OPTIC | 13 (4.0) | ELECTRIC SERVICE | 13.5 (4.1) |
| | | ELECTRIC SERVICE | 1 (0.5) | SERVICE TO GROUND | 13.5 (4.1) |
| | | GROUND CABLE | 1 (0.5) | POST MOUNTED | 6 (1.8) |

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |
| | |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY SIGNAL CABLE PLAN
 IL. RTE. 394 (CALUMET EXP)
 AT GOODENOW ROAD
 SCALE: 1:250
 DATE: 08-24-09
 DRAWN BY: RDS
 DESIGNED BY: BAC
 CHECKED BY: JGG