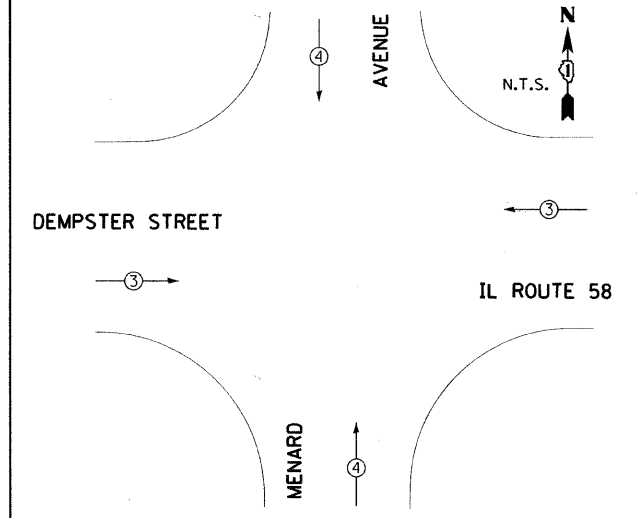


PHASE DESIGNATION DIAGRAM

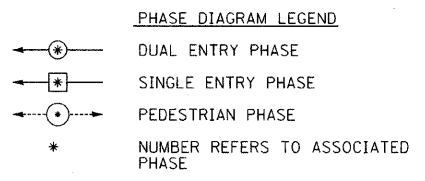
| PROPOSED EMERGENCY VEHICLE PREEMPTORS | | |
|---------------------------------------|-----|-----|
| EMERGENCY VEHICLE PREEMPTORS | 3 | 4 |
| MOVEMENT | ← → | ↑ ↓ |



EMERGENCY VEHICLE PREEMPTION DIAGRAM

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|--------------|---------|-----|-------------|---------------|
| TYPE | NO. OF LAMPS | WATTAGE | | % OPERATION | |
| SIGNAL (RED) | 14 | 135 | 17 | 0.50 | 119.0 |
| (YELLOW) | 14 | 135 | 25 | 0.25 | 87.5 |
| (GREEN) | 14 | 135 | 15 | 0.25 | 52.5 |
| ARROW | 16 | 135 | 12 | 0.10 | 19.2 |
| PED. SIGNAL | 16 | 90 | 25 | 1.00 | 400.0 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100.0 |
| ILLUM. SIGN | 0 | 84 | 35 | 0.05 | 0.0 |
| FLASHER | 0 | | 25 | 0.50 | 0.0 |
| ENERGY COST TO: | TOTAL = | | | | 778.2 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: CINDY ANTHONY-BIAGGI
 PHONE: (847) 816-5322
 COMPANY: COMMONWEALTH EDISON



THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

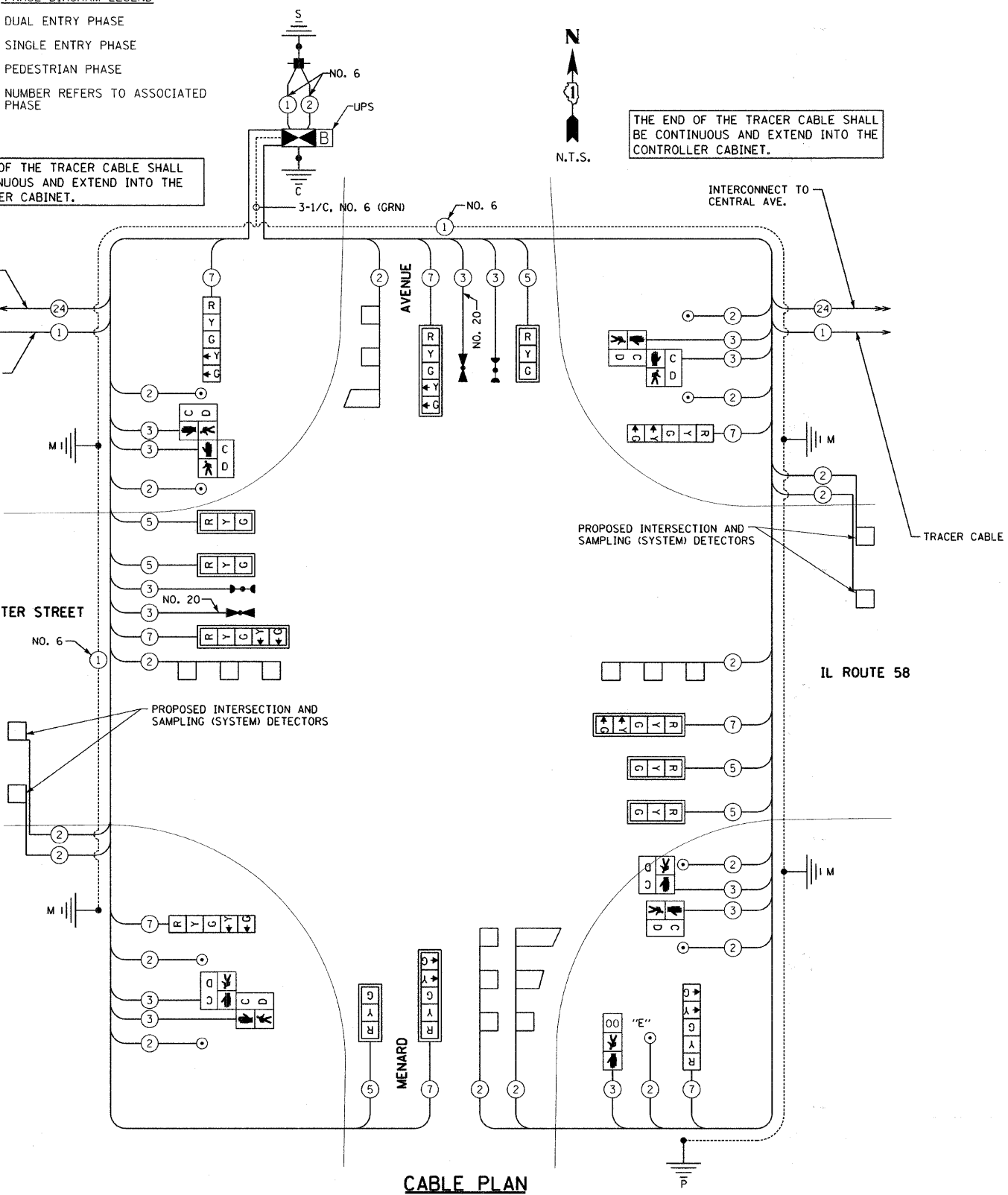
INTERCONNECT TO AUSTIN AVE.

TRACER CABLE

DEMPSTER STREET

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

CABLE PLAN



THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

INTERCONNECT TO CENTRAL AVE.

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

IL ROUTE 58

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES

| | | |
|---|-------|-------|
| SIGN PANEL - TYPE 1 | 50 FT | 15 |
| SIGN PANEL - TYPE 2 | 50 FT | 30 |
| CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL | FOOT | 478 |
| CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL | FOOT | 62 |
| CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL | FOOT | 10 |
| CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL | FOOT | 181 |
| CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL | FOOT | 229 |
| HANDHOLE | EACH | 5 |
| HEAVY-DUTY HANDHOLE | EACH | 2 |
| DOUBLE HANDHOLE | EACH | 1 |
| TRENCH AND BACKFILL FOR ELECTRICAL WORK | FOOT | 550 |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL | EACH | 1 |
| TRANSCEIVER - FIBER OPTIC | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 680 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 1,271 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1,010 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 1,340 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 3,188 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 165 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 34 FT. | EACH | 2 |
| STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE C | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 60 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 6 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 4 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 |
| PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 3 |
| TRAFFIC SIGNAL BACKPLATE | EACH | 10 |
| INDUCTIVE LOOP DETECTOR | EACH | 9 |
| DETECTOR LOOP, TYPE I | FOOT | 1,138 |
| LIGHT DETECTOR | EACH | 2 |
| LIGHT DETECTOR AMPLIFIER | EACH | 1 |
| PEDESTRIAN PUSH-BUTTON | EACH | 8 |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 6 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 8 |
| ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN) | FOOT | 415 |
| SERVICE INSTALLATION - POLE MOUNTED | EACH | 1 |
| UNINTERRUPTIBLE POWER SUPPLY | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED | FOOT | 237 |
| TEMPORARY TRAFFIC SIGNAL TIMINGS | EACH | 1 |

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 58 (DEMPSTER ST) IMPROVEMENTS
MENARD AVENUE PROPOSED CABLE PLAN
 SCALE: N.T.S. DRAWN BY: DMB
 DATE: 10-16-09 CHECKED BY: NKU
 McDonough Associates Inc.
 Engineers / Architects