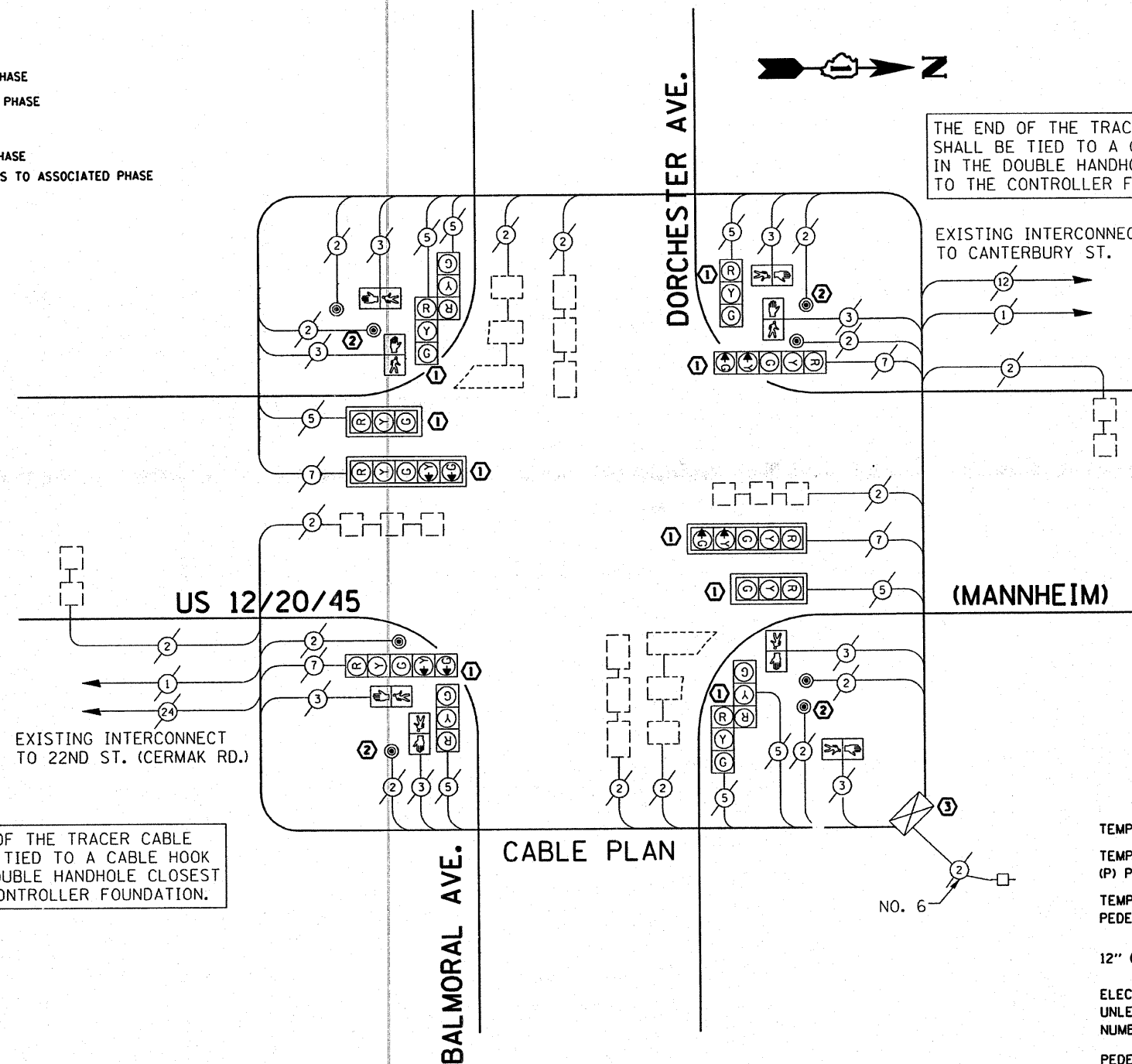
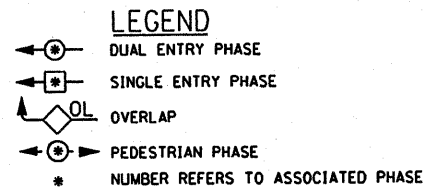


PHASE DESIGNATION DIAGRAM

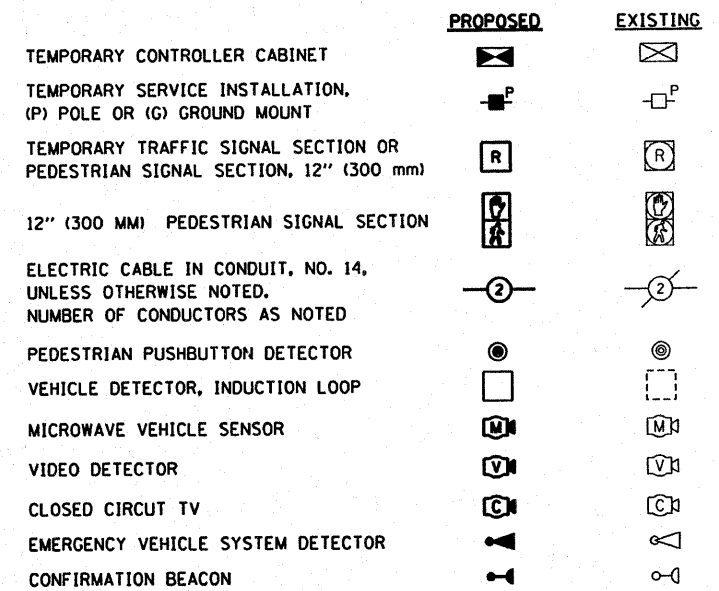


CABLE PLAN

THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

EXISTING CABLE DIAGRAM LEGEND



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

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|-----------|-------------------|---------------|-------------|---------------|
| TYPE | NO. LAMPS | WATTAGE (INCAND.) | WATTAGE (LED) | % OPERATION | |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | |
| (YELLOW) | 12 | 135 | 25 | 0.25 | |
| (GREEN) | 12 | 135 | 15 | 0.25 | |
| ARROW | 8 | 135 | 12 | 0.10 | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | |
| ILLUM. SIGN | | 84 | | 0.05 | |
| FLASHER | | | | | 0.50 |
| ENERGY COSTS TO: | | | | | TOTAL = |

| 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' |
| E - M. ARM POLE | | SIGNAL POST | 2 (1.0) | | 6m+L-0.6m |
| 24" (600mm) | 10 (3.0) | CONTROLLER CAB. | 1 (0.5) | BRACKET MOUNTED | 13 (4.0) |
| 30" (750mm) | 15 (4.6) | FIBER OPTIC | 13 (4.0) | PED. PUSHBUTTON | 4 (1.2) |
| 36" (900mm) | 15 (4.6) | ELECTRIC SERVICE | 1 (0.5) | ELECTRIC SERVICE | 13.5 (4.1) |
| | | GROUND CABLE | 1 (0.5) | SERVICE TO GROUND | 13.5 (4.1) |
| | | | | POST MOUNTED | 6 (1.8) |

ENERGY SUPPLY CONTACT: DAVE LISKA
 PHONE: (773) 509-3417
 COMPANY: COM. EDISON

FILE NAME = ci\projects\traffic\1870027\us12.20.45.dgn
 USER NAME = konthaphixybc
 PLOT SCALE = 40.0000" / IN.
 PLOT DATE = 10/18/2008

DESIGNED - BCK
 DRAWN - BCK
 CHECKED - DAD
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CABLE PLAN
 US 12/20/45 (MANNHEIM) @ BALMORAL/DORCHESTER

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|-------------|---------------------------|--------------|-----------|
| 330 | 2008-006 TS | COOK | 100 | 85 |
| CONTRACT NO. 60E31 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |