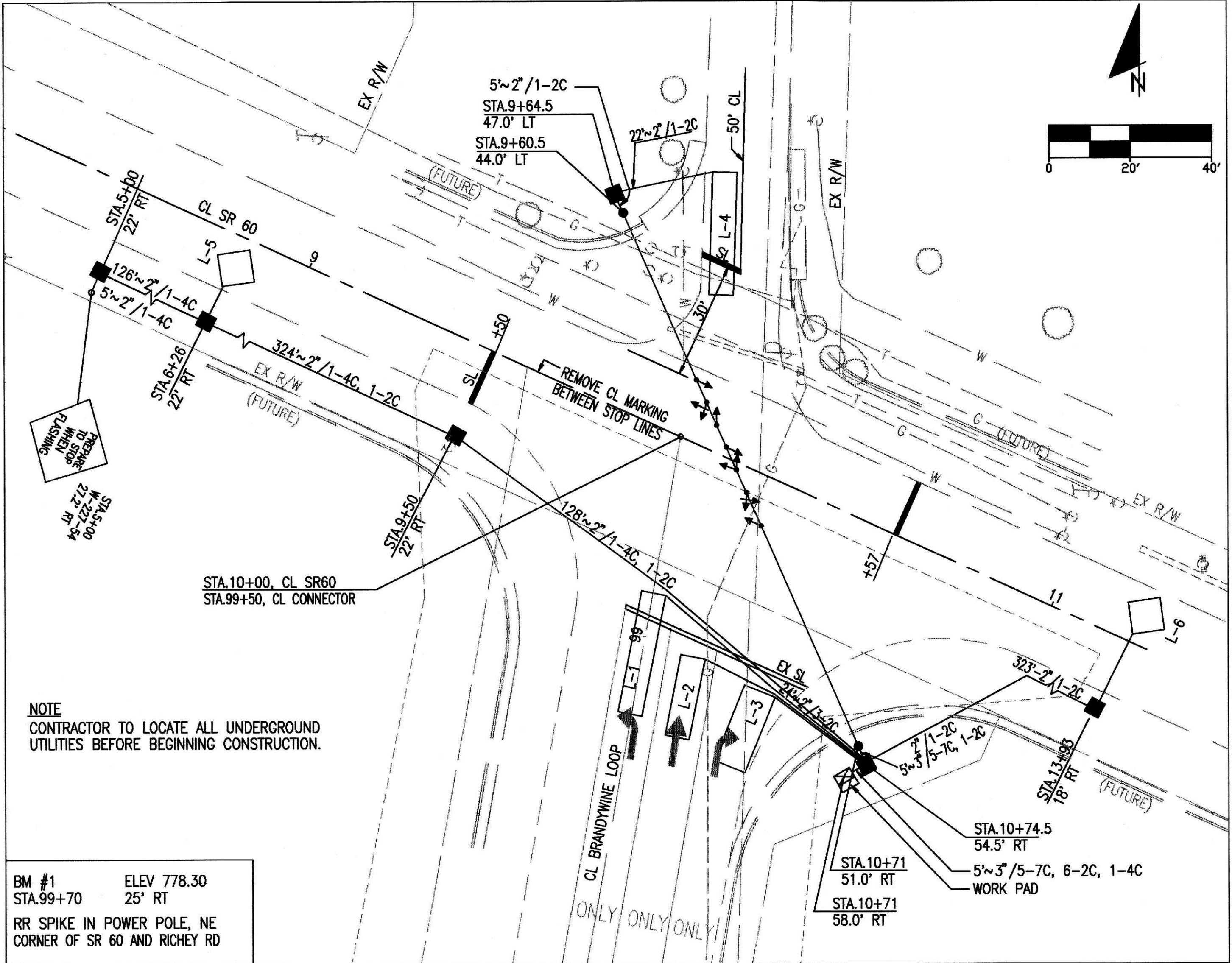
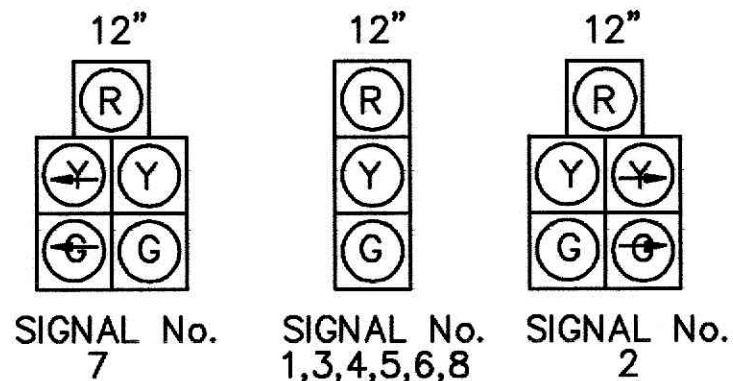


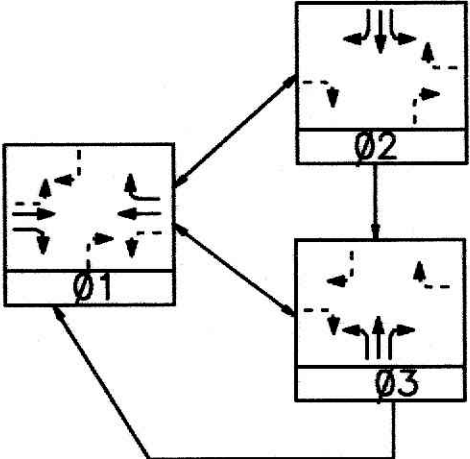
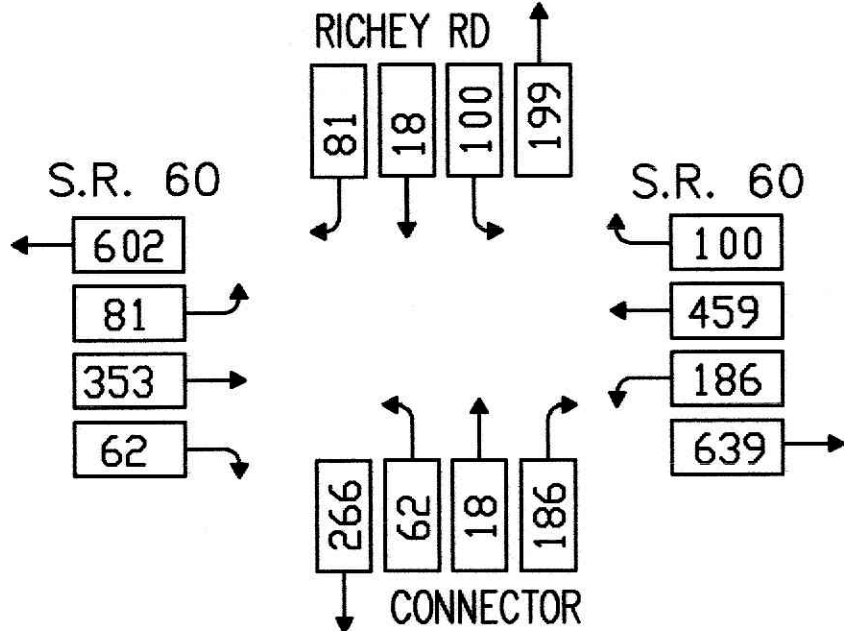
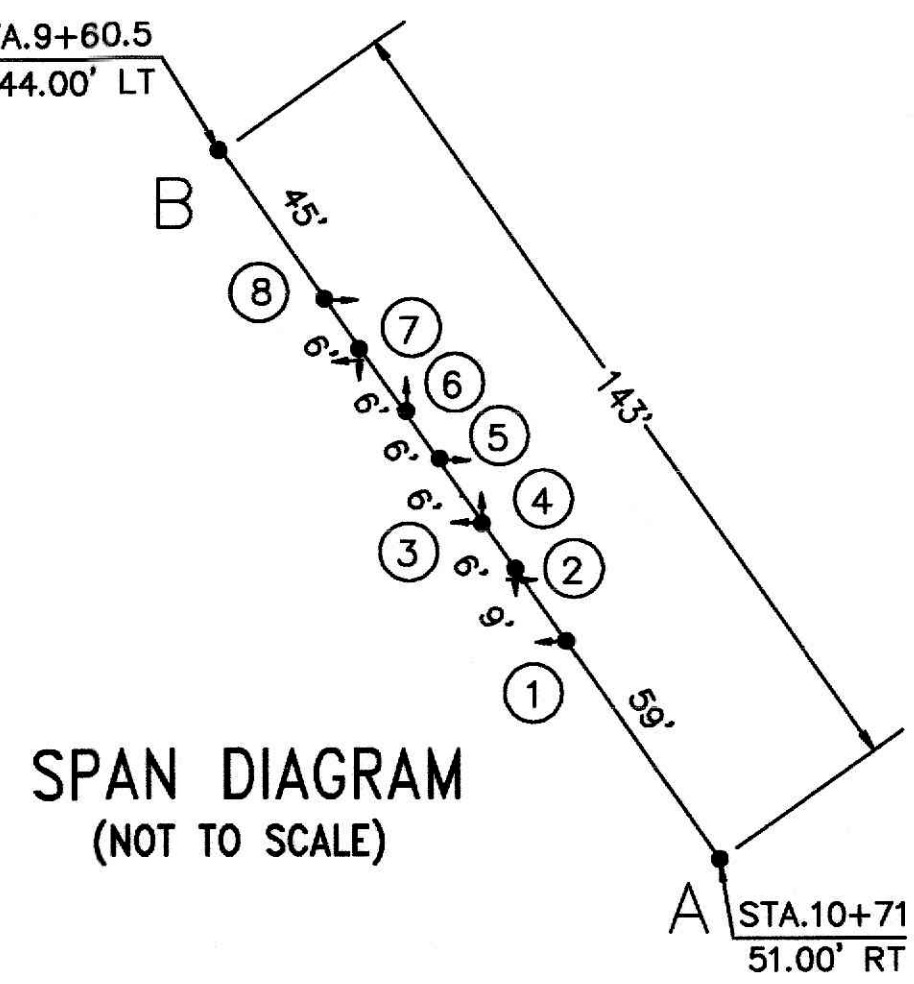
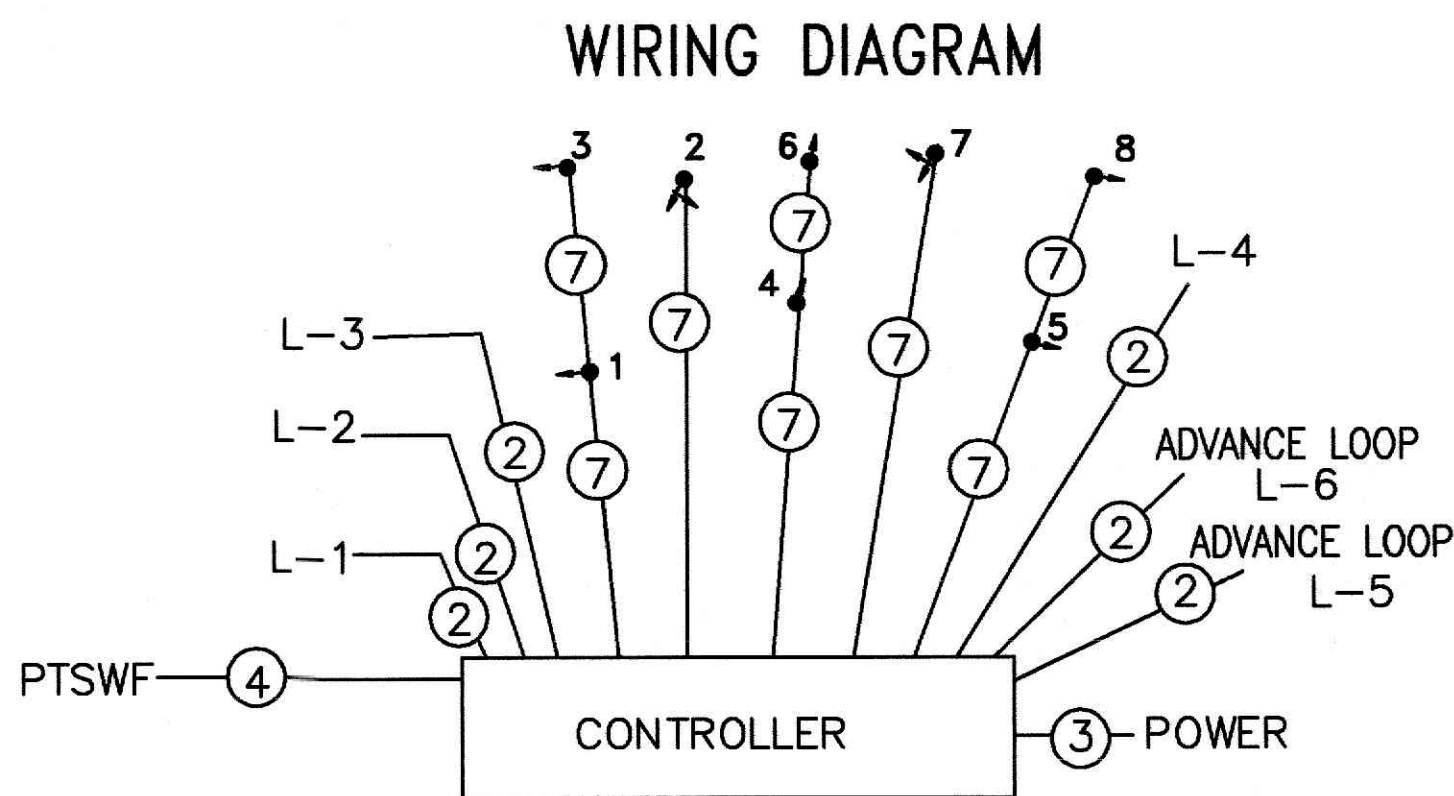


| LOOP # | SIZE   | # TURNS | ASSOC PHASE |
|--------|--------|---------|-------------|
| L-1    | 30'X6' | 2       | 3           |
| L-2    | 20'X6' | 2       | 3           |
| L-3    | 20'X8' | 2       | 3           |
| L-4    | 30'X6' | 2       | 2           |
| L-5    | 6'X6'  | 3       | 1           |
| L-6    | 6'X6'  | 3       | 1           |

| SIGNAL TIMING         |      |      |      |
|-----------------------|------|------|------|
|                       | Ø1   | Ø2   | Ø3   |
| Minimum Initial       | 15.0 | 10.0 | 10.0 |
| Passage Time          | 6.0  | 5.0  | 5.0  |
| Maximum Green         | 75.0 | 15.0 | 15.0 |
| Sec. per Actuation    | 6.0  | 3.0  | 3.0  |
| Minimum Gap           | 3.0  | -    | -    |
| Time Before Reduction | 20.0 | -    | -    |
| Time to Reduce        | 20.0 | -    | -    |
| Vehicle clearance     | 3.5  | 3.0  | 3.0  |
| All Red Clear         | 1.5  | 1.0  | 1.0  |
| Recall                | ON   | -    | -    |
| Memory                | -    | OFF  | OFF  |
| Last Car Passage      | YES  | NO   | NO   |
| Walk                  | -    | -    | -    |
| Pedestrian Clearance  | -    | -    | -    |
| Maximum Initial       | 10.0 | -    | -    |
| Call to Non-Act       | -    | -    | -    |
| Flash                 | Y    | R    | R    |
| Initialization        | G    | R    | R    |

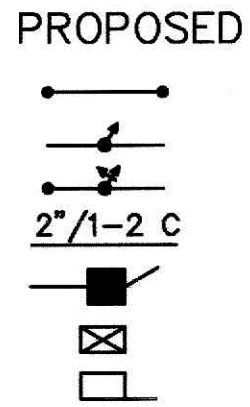


PROPOSED SIGNALS



LEGEND

- SPAN WIRE SUPPORT
- SIGNAL WIRE, STD. 1-WAY
- SIGNAL HEAD WITH ARROW
- CONDUIT SIZE/NUMBER CONDUCTORS
- PULL BOX
- CONTROLLER CABINET
- LOOP DETECTORS
- SL- 18" STOP LINE
- CL- CENTERLINE



| SIGNAL HEADS | LENS | PHASE    |   |   |   |   |   |
|--------------|------|----------|---|---|---|---|---|
|              |      | INTERVAL |   |   |   |   |   |
|              |      | 1        | 2 | 3 | 4 | 5 | 6 |
| 1            | Y    |          |   |   |   |   |   |
| 2            | Y    |          |   |   |   |   |   |
| 3            | Y    |          |   |   |   |   |   |
| 4            | Y    |          |   |   |   |   |   |
| 5            | Y    |          |   |   |   |   |   |
| 6            | Y    |          |   |   |   |   |   |
| 7            | Y    |          |   |   |   |   |   |
| 8            | Y    |          |   |   |   |   |   |

SIGNAL PHASING CHART

| ITEMS | ITEM EXT | UNITS  | TOTAL | DESCRIPTION                                                                    |
|-------|----------|--------|-------|--------------------------------------------------------------------------------|
| 603   | 00400    | LIN FT | 50    | 4" CONDUIT, TYPE E                                                             |
| 614   | 11000    | LUMP   | 1     | MAINTAINING TRAFFIC                                                            |
| 625   | 02700    | EACH   | 1     | TRANSFORMER BASE, TYPE AT-X                                                    |
| 625   | 10500    | EACH   | 1     | LIGHT POLE, AS PER PLAN                                                        |
| 625   | 14500    | EACH   | 1     | LIGHT POLE FOUNDATION                                                          |
| 625   | 25400    | LIN FT | 952   | CONDUIT 2", 713.04                                                             |
| 625   | 25500    | LIN FT | 10    | CONDUIT 3", 713.04                                                             |
| 625   | 25900    | LIN FT | 71    | CONDUIT JACKED OR DRILLED UNDER PAVEMENT, 2"                                   |
| 625   | 29000    | LIN FT | 891   | TRENCH                                                                         |
| 625   | 30700    | EACH   | 4     | PULL BOX, 713.08, 18"                                                          |
| 625   | 32000    | EACH   | 3     | GROUND ROD                                                                     |
| 630   | 80100    | SQ FT  | 20.25 | SIGN, FLAT SHEET                                                               |
| 630   | 84000    | EACH   | 1     | SIGN SERVICE                                                                   |
| 631   | 84310    | EACH   | 1     | SIGN WIRED, LESS JUNCTION BOX                                                  |
| 631   | 88000    | EACH   | 1     | PHOTOELECTRIC CONTROL                                                          |
| 631   | 92001    | EACH   | 1     | SIGN FLASHER ASSEMBLY, AS PER PLAN                                             |
| 632   | 00301    | EACH   | 4     | VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY, AS PER PLAN                 |
| 632   | 00501    | EACH   | 2     | VEHICULAR SIGNAL HEAD, 5 SECTION, 12" LENS, 1-WAY, AS PER PLAN                 |
| 632   | 01101    | EACH   | 1     | VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 2-WAY, AS PER PLAN                 |
| 632   | 25000    | EACH   | 7     | COVERING OF VEHICULAR SIGNAL HEAD                                              |
| 632   | 27008    | EACH   | 6     | LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE (SINGLE CHANNEL), AS PER PLAN     |
| 632   | 27500    | LIN FT | 404   | LOOP DETECTOR PAVEMENT CUTTING                                                 |
| 632   | 30300    | LIN FT | 143   | MESSANGER WIRE, 7 STRAND, 1/2" DIAMETER WITH ACCESSORIES                       |
| 632   | 40400    | LIN FT | 658   | SIGNAL CABLE, 4 CONDUCTOR, No. 14 AWG                                          |
| 632   | 40700    | LIN FT | 793   | SIGNAL CABLE, 7 CONDUCTOR, No. 14 AWG                                          |
| 632   | 64900    | LIN FT | 1092  | LOOP DETECTOR WIRE, TYPE E                                                     |
| 632   | 65200    | LIN FT | 1138  | LOOP DETECTOR LEAD-IN CABLE                                                    |
| 632   | 67300    | LIN FT | 100   | POWER CABLE, 3 CONDUCTOR, No. 8 AWG                                            |
| 632   | 69800    | LIN FT | 100   | SERVICE CABLE, 3 CONDUCTOR, No. 6 AWG                                          |
| 632   | 70000    | EACH   | 1     | POWER SERVICE                                                                  |
| 632   | 71000    | EACH   | 1     | CABLE SUPPORT ASSEMBLY                                                         |
| 632   | 72000    | CU YD  | 5.76  | CONCRETE FOR ANCHOR BASE FOUNDATIONS                                           |
| 632   | 83100    | EACH   | 2     | STRAIN POLE, TYPE TC-81.10, DESIGN 10, 30 FEET                                 |
| 633   | 38001    | EACH   | 1     | CONTROLLER, ACTUATED, 8-PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN |
| 633   | 70000    | CU YD  | 1.9   | CONCRETE FOR CABINET FOUNDATION                                                |
| 633   | 70500    | SQ FT  | 12    | CONTROLLER WORK PAD                                                            |
| 642   | 00290    | LIN FT | 50    | CENTERLINE, SOLID, DOUBLE YELLOW                                               |
| 642   | 00490    | LIN FT | 40    | STOP LINE, 18"                                                                 |
| 642   | 30000    | LIN FT | 107   | REMOVAL OF PAVEMENT MARKING                                                    |