

2009 AVERAGE WEEKDAY TRAFFIC DATA

| | | | | | |
|-----|-----|-----|--|--|--|
| DHV | PM | AM | | | |
| 5 | 5 | 0 | | | |
| 550 | 505 | 420 | | | |
| 165 | 155 | 105 | | | |

| | | | |
|--|-----|-----|-----|
| | AM | PM | DHV |
| | 20 | 50 | 55 |
| | 370 | 420 | 460 |
| | 90 | 145 | 155 |

| | | | |
|--|-----|-----|-----|
| | AM | PM | DHV |
| | 45 | 55 | 135 |
| | 95 | 200 | 240 |
| | 100 | 220 | 260 |

LIST OF MAJOR EQUIPMENT

| EQUIPMENT ITEM 678.J5 | QUANTITY |
|--|----------|
| ECONOLITE TRAFFIC SIGNAL CONTROLLER | 1 |
| ECONOLITE "P44" BASE MOUNTED CONTROLLER CABINET WITH 15-INCH EXTENDED BASE ON A CONCRETE FOUNDATION, PAINTED FLAT BLACK WITH ANCILLARY CONTROL EQUIPMENT | 1 |
| FLAT BLACK PAINTED STEEL MAST ARM SIGNAL POLE WITH TWIN 37 FOOT MAST ARMS (POLE #1) | 1 |
| FLAT BLACK PAINTED STEEL MAST ARM SIGNAL POLE WITH 30 FOOT MAST ARM (POLE #2) | 1 |
| FLAT BLACK PAINTED PEDESTAL POST (8') | 5 |
| FLAT BLACK PAINTED PEDESTAL POST (4') | 1 |
| ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE MAST ARM MOUNTED LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND LOUVERED BACKPLATES WITH ALL PIECES PAINTED FLAT BLACK | 6 |
| ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE POLE MOUNTED LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND LOUVERED BACKPLATES WITH ALL PIECES PAINTED FLAT BLACK | 1 |
| POLE MOUNTED 16-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD | 3 |
| POST MOUNTED 16-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD | 5 |
| VTRANS SPEC ACCESSIBLE PEDESTRIAN PUSH BUTTONS WITH R10-3e TYPE SIGN ASSEMBLY AND AUDIBLE INDICATORS | 8 |
| ASTRO-BRACKETS | 6 |
| OPTICAL DETECTION SENSOR WITH DETECTOR CABLES | 3 |
| WIRELESS RADIO INTERCONNECT SYSTEM | 1 |
| EMERGENCY VEHICLE PREEMPTION RECEIVER | 3 |
| EMERGENCY VEHICLE PREEMPTION 4-CHANNEL PHASE SELECTOR AND CHASSIS | 1 |
| EMERGENCY VEHICLE PREEMPTION STROBE | 3 |

WIRED CONDUIT (PVC) AND ELECTRICAL CONDUIT SLEEVE SCHEDULE

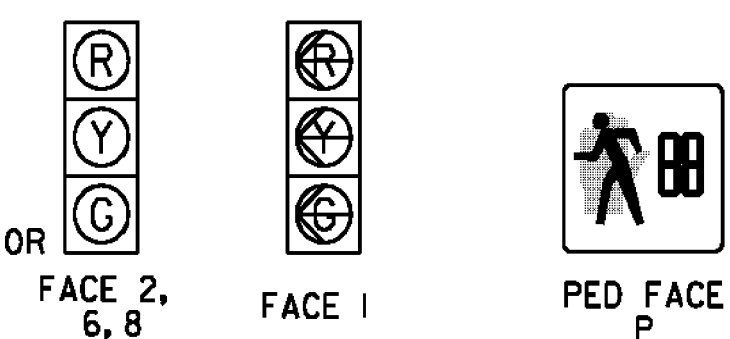
| ITEM NUMBER | 678.21 | | 678.23 | | 678.30 | | DESCRIPTION |
|--------------------|--------------------|---------------|---------------|----------------|----------------|----------------|---------------------------------------|
| | ELECTRICAL CONDUIT | WIRED CONDUIT | WIRED CONDUIT | CONDUIT SLEEVE | CONDUIT SLEEVE | CONDUIT SLEEVE | |
| POWER TO CABINET | | 15 | | | | | CONDUIT TO CITY-PROVIDED POWER SOURCE |
| CABINET TO POLE #1 | | 15 | | | | | POLE #1 |
| CABINET TO POST #1 | 39 | 59 | | | 35 | | POST #1, POST #4 |
| CABINET TO POST #6 | | 22 | | | | | POST #6 (PUSH BUTTON ONLY) |
| CABINET TO PB #3 | 50 | | 39 | | 50 | | POLE #2, POST #2, POST #3, POST #5 |
| POST #1 TO POST #4 | | 32 | | | | | POST #4 |
| PB #3 TO POST #5 | | 6 | | | | | POST #5 |
| PB #3 TO POST #3 | | | 22 | | | | POLE #2, POST #2, POST #3 |
| POST #3 TO PB #2 | 41 | 61 | | | 41 | | POLE #2, POST #2 |
| PB #2 TO POLE #2 | | 8 | | | | | POLE #2 |
| PB #2 TO POST #2 | | 18 | | | | | POST #2 |
| SUB-TOTALS | 130 | 236 | 61 | 126 | | | |
| ROUNDING | 5 | 4 | 4 | 4 | | | |
| TOTALS | 135 | 240 | 65 | 130 | | | |

DETECTION SCHEDULE

| INCIDENTAL TO ITEM 678.J5 | | | | | | | |
|---------------------------|------|--------|------|------------------|-------------------|------|---------|
| OPTICAL VIDEO DETECTORS | | | | | | | |
| LOOP NO. | LANE | CALL Ø | SIZE | TYPE & NO. TURNS | DELAY OR PRESENCE | SLOT | CHANNEL |
| 1 | NBLT | 1 | 6X40 | OPTICAL | PRESENCE | 2 | 1 |
| 2 | SBTH | 2 | 6X40 | OPTICAL | PRESENCE | 4 | 1 |
| 3 | SBRT | 2 | 6X40 | OPTICAL | 5 SEC DELAY | 4 | 2 |
| 4 | NBTH | 6 | 6X40 | OPTICAL | PRESENCE | 2 | 2 |
| 5 | EBLT | 8 | 6X40 | OPTICAL | PRESENCE | 8 | 1 |
| 6 | EBRT | 8 | 6X40 | OPTICAL | 5 SEC DELAY | 8 | 2 |

SIGNAL FACE ARRANGEMENT

(12" LED LENSES W/ 5" BACKPLATES)



EQUIPMENT NOTES

- (A) SEE STANDARDS E-170, E-171A, E-171B, 171C, 173, & 175 FOR ADDITIONAL INFORMATION.
- (B) SEE TRAFFIC SIGNAL NOTE SHEETS 46, 47 & 59, SINGLE MAST ARM CANTILEVER/FOOTING DETAIL SHEET 60 AND DOUBLE MAST ARM CANTILEVER/FOOTING DETAIL SHEET 61 FOR ADDITIONAL INFORMATION.
- (C) FOR SIGN DETAILS, SEE SHEETS 36 THROUGH 45.
- (D) SEE SHEET 70 FOR ADDITIONAL DETAILS FOR TRAFFIC CONTROL, CONSTRUCTION, AND PHASING.

LEGEND

| NEW | LEGEND |
|-----|---------------------------------------|
| | CONTROLLER CABINET |
| | SIGNAL HEAD |
| | CONDUIT |
| | OPTICAL DETECTION ZONE |
| | PEDESTAL POST |
| | STANCHION |
| | SPARE SWEEP |
| | EMERGENCY VEHICLE PREEMPTION STROBE |
| | EMERGENCY VEHICLE PREEMPTION RECEIVER |
| | PROPOSED MAST ARM |
| | PEDESTRIAN PUSH BUTTON |
| | PULL BOX |
| | OVERHEAD SIGN |
| | RADIO ANTENNA |
| | OPTICAL DETECTION |
| | EXISTING MAST ARM |

| | |
|------------|-----------|
| DATUM | |
| VERTICAL | NAVD 1929 |
| HORIZONTAL | NAD 27 |



VHB Vanasse Hangen Brustlin, Inc.

NORTH/SOUTH MAIN ST AND PROSPECT ST/CHURCH ST

| | | | |
|-----------------|----------------------|--------------------------------|----------------|
| PROJECT NAME: | BARRE CITY | PLOT DATE: | 4/5/2010 |
| PROJECT NUMBER: | FEGC F 026-1(34) C/1 | DRAWN BY: | DMP / JAR |
| FILE NAME: | z09B240_TSP53.dgn | CHECKED BY: | |
| PROJECT LEADER: | G. BAKOS | TRAFFIC SIGNAL PLAN 3, SHEET 1 | SHEET 58 OF 95 |