

### PHASE DIAGRAM



DETAIL NOTES:

- A1** EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS NOTED.
- A2** EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- A3** R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A5** EX CONDUIT AND WIRING. R/C EX WIRING. CUT BOTH ENDS OF CONDUIT APPROX 2' AND R/C CUT PORTION. ABANDON REMAINING CONDUIT IN PLACE.
- A7** EX CONDUIT AND WIRING. R/C EX WIRING EXCEPT 12/C.
- A8** EX CONDUIT AND WIRING. R/C EX WIRING EXCEPT PGE SERVICE.
- A9** R/C EX EXTERNAL CONDUIT AND WIRING. F/I NEW EXTERNAL CONDUIT AND WIRING AS NOTED.
- A10** R/C EX EXTERNAL CONDUIT AND WIRING. EX STUB UP TO REMAIN. F/I NEW EXTERNAL CONDUIT AND WIRING.
- B** SPLICE NEW WIRING TO EX SL WIRING TO MAINTAIN SL CIRCUIT.
- D** CHIP EX FOUNDATION CAREFULLY TO BRING CONDUITS INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.

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|                                                       |         |                            |  |  |  |    |      |  |
|-------------------------------------------------------|---------|----------------------------|--|--|--|----|------|--|
|                                                       |         |                            |  |  |  |    |      |  |
| △                                                     | 3/02    | PCD#8                      |  |  |  |    |      |  |
| △                                                     | 4/30/01 | ADDED DIAGONAL PED SIGNALS |  |  |  | BC | CL   |  |
| 0                                                     | 4/2000  | ISSUED FOR BID             |  |  |  | BC | NKS  |  |
| NO.                                                   | DATE    | DESCRIPTION                |  |  |  | BY | APP. |  |
| TABLE OF REVISIONS                                    |         |                            |  |  |  |    |      |  |
| CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION |         |                            |  |  |  |    |      |  |

| REFERENCE INFORMATION<br>& FILE NO. OF SURVEYS |
|------------------------------------------------|
|                                                |



**BUREAU OF ENGINEERING**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



|           |        |
|-----------|--------|
| DESIGNED: | DATE:  |
| BC        | 6/2001 |
| DRAWN:    | DATE:  |
| BC        | 6/2001 |
| CHECKED:  | DATE:  |
| NKS       | 6/2001 |

|                  |      |
|------------------|------|
| APPROVED         |      |
| SECTION MANAGER  | DATE |
| DIVISION MANAGER | DATE |
| CITY ENGINEER    | DATE |

|                 |           |
|-----------------|-----------|
| SCALE:          | 1"=10'-0" |
| SHEET OF SHEETS | 16 OF 37  |

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| CONTRACT 26 VARIOUS LOCATIONS                       | SPECIFICATION NO.<br>1987H          |
| TRAFFIC SIGNAL MODIFICATIONS                        | DRAWING NO.<br>E-7.0                |
| JACKSON AND STOCKTON STREETS<br>TRAFFIC SIGNAL WORK | FILE NO.<br>74,261<br>REV. NO.<br>2 |

| CONDUIT AND WIRING SCHEDULE |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----------------------------|---|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| CONDUIT RUN NUMBER          | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| CONDUIT SIZE (INCH)         | 2 | EX | 2  | EX | EX | 2  | EX | 2 | 2  | 2  | 2  | EX | 2  |    |    |    |    |    |    |    |    |    |    |    |    |
| NOTES                       |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| #14 WIRES                   |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 22                   | 4 |    | 4  |    |    | 4  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4  |    |    |
| SIGNAL 69                   | 2 |    | 2  |    |    | 2  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |
| SIGNAL 81                   |   | 3  | 3  |    |    | 3  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  |    |    |
| SIGNAL 88                   |   | 2  | 2  |    |    | 2  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |
| SIGNAL 82                   |   |    |    | 3  |    | 3  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  |    |    |
| SIGNAL 68                   |   |    |    |    | 2  | 2  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |
| SIGNAL 49                   |   |    |    | 2  |    | 2  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |
| SIGNAL 21                   |   |    |    |    |    |    | 4  |   |    | 4  |    |    |    |    |    |    |    |    |    |    |    |    | 4  |    |    |
| SIGNAL 28                   |   |    |    |    |    | 2  |    |   |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |
| SIGNAL 42                   |   |    |    |    |    |    | 3  |   |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    | 3  |    |    |
| SIGNAL 89                   |   |    |    |    |    |    | 2  |   |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |
| SIGNAL 41                   |   |    |    |    |    |    |    |   |    |    | 3  |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 48                   |   |    |    |    |    |    |    |   |    |    | 2  |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 29                   |   |    |    |    |    |    |    |   |    |    | 2  |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 91                   | 2 |    | 2  |    |    | 2  |    |   |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 92                   |   |    |    |    |    | 2  |    |   | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 93                   |   |    |    |    |    |    |    |   |    | 2  |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |
| SIGNAL 94                   |   |    |    |    |    | 2  | 2  |   |    |    |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |
| SPARE                       |   |    |    | 3  |    |    | 3  |   |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TOTAL #14 WIRES             | 8 | 5  | 16 | 5  | 4  | 25 | 8  | 5 | 16 | 9  | 13 | 11 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |
| #10 WIRES NEUTRAL           |   |    |    | 1  |    | 1  |    |   |    | 1  |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |
| #14 WIRES NEUTRAL           | 2 | 1  |    |    | 1  | 2  |    |   | 2  | 2  |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |
| #8 WIRES, IC SERVICE        |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| #8 WIRES, SL                |   | 2  | 2  |    |    | 2  |    |   |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| #10 WIRES, SL               |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 12/C INTERCONNECT           |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 1/4" PULL ROPE              |   |    |    | 1  |    |    | 1  |   |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| #6 BSCW                     |   |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

| POLE AND EQUIPMENT SCHEDULE |              |                                      |                |                   |                |                   |                         |                             |                |
|-----------------------------|--------------|--------------------------------------|----------------|-------------------|----------------|-------------------|-------------------------|-----------------------------|----------------|
| POLE No.                    | TYPE OF POLE | LUMINAIRE (HPS)<br>VOLTAGE/<br>WATTS | VEHICLE SIGNAL |                   |                | PEDESTRIAN SIGNAL |                         |                             | REMARKS        |
|                             |              |                                      | No.            | TYPE              | MOUNTING (F/I) | No.               | TYPE                    | MOUNTING (F/I)              |                |
| ①                           | EX SL        |                                      | 81             | 358"<br>4512" GRA | SV-1-T         | 88                | 15-IN                   | SP-1-T                      | EXTERNAL RISER |
| ②                           | 1-A (10')    |                                      | 22             | 4512"-GLA         | TV-1-T         | 69<br>91          | 15-IN<br>15-IN          | SP-1 (22")<br>SP-1-SF (12") |                |
| ③                           | EX SL        |                                      | 21             | 4512"-GRA         | SV-1-T         | 28<br>92          | 15-IN<br>15-IN          | SP-1 (22")<br>SP-1-SF (12") |                |
| ④                           | 1-A (10')    |                                      | 42             | 358"              | TV-1           | 89                | 15-IN                   | SP-1                        |                |
| ⑤                           | 1-A (10')    |                                      | 41             | 358"              | TV-1           | 28<br>48<br>93    | 15-IN<br>15-IN<br>15-IN | SP-1<br>SP-2-T-SF           |                |
| ⑥                           | EX SL        |                                      |                |                   |                | 68<br>94          | 15-IN<br>15-IN          | SP-1 (22")<br>SP-1-SF (12") |                |
| ⑦                           | EX MUNI SL   |                                      | 82             | 358"              | SV-1-T         | 49                | 15-IN                   | SP-1                        | EXTERNAL RISER |

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|                                                                                                            |  |                                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                 |  |                                                                                    |  |                                          |  |                                                                                                           |  |                                                                               |  |
|------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|
| 3/02 PCD#<br>4/30/01 ADDED DIAGONAL PED SIGNALS<br>5/1/2000 ISSUED FOR BID<br>NO. DATE DESCRIPTION BY APP. |  | REFERENCE INFORMATION<br>& FILE NO. OF SURVEYS<br>BC EL<br>BC NKS<br>BY APP. |  |  <b>BUREAU OF ENGINEERING</b><br>DEPARTMENT OF PUBLIC WORKS<br>CITY AND COUNTY OF SAN FRANCISCO |  |  DESIGNED: DATE: 6/2000<br>BC<br>DRAWN: DATE: 6/2000<br>BC<br>CHECKED: DATE: 6/2000<br>NKS |  | APPROVED<br>SECTION MANAGER DATE:<br>DIVISION MANAGER DATE:<br>CITY ENGINEER DATE: |  | SCALE: NONE<br>SHEET OF SHEETS: 17 OF 37 |  | CONTRACT 26 VARIOUS LOCATIONS<br>TRAFFIC SIGNAL MODIFICATIONS<br>JACKSON AND STOCKTON STREETS<br>SCHEDULE |  | SPECIFICATION NO. 1987N<br>DRAWING NO. E-7.1<br>FILE NO. 74,262<br>REV. NO. 2 |  |
|------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|