

|                        |       |                       |                |              |                 |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
| HAWAII                 | HAW.  | CMAQ-0300(108)        | 2008           | 9            | 26              |

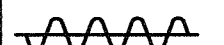
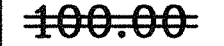
| TRAFFIC SIGNAL LOCATION |      |          |                  |               |                      |              |                |           |      | RETROFIT OPTICAL UNIT QUANTITIES |              |                |                      |               |                |                          | MISCELLANEOUS WORK           |                           |                                        |        |
|-------------------------|------|----------|------------------|---------------|----------------------|--------------|----------------|-----------|------|----------------------------------|--------------|----------------|----------------------|---------------|----------------|--------------------------|------------------------------|---------------------------|----------------------------------------|--------|
| ROUTE                   | M.P. | JUNCTION | LEFT<br>APPROACH | THRU ROAD     | RIGHT<br>APPROACH    | TYPE         | FUNCTION       | NOTES     | SIZE | RED<br>BALL                      | RED<br>ARROW | YELLOW<br>BALL | *<br>YELLOW<br>ARROW | GREEN<br>BALL | GREEN<br>ARROW | GREEN<br>YELLOW<br>ARROW | REPLACE<br>VISOR<br>QUANTITY | **<br>PV LENS<br>QUANTITY | SALVAGE LED<br>YELLOW BALL<br>QUANTITY | OTHERS |
| NIC                     | 64   | 1.10     | MATSON YARD      | SAND ISLAND   | MATSON PIER          | I W/FLASHER  |                |           | 12"  | <del>0</del>                     | <del>0</del> | <del>10</del>  | <del>1</del>         | <del>0</del>  | <del>1</del>   | <del>0</del>             |                              | <del>2</del>              | <del>0</del>                           |        |
|                         | 64   | 1.24     | -                | SAND ISLAND   | DOT SCALEHOUSE (IN)  | I W/FLASHER  | WEIGHT STATION | NB        | 12"  | <del>3</del>                     | <del>0</del> | <del>2</del>   | <del>0</del>         | <del>3</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
|                         | 64   | 1.24     | -                | SAND ISLAND   | DOT SCALEHOUSE (IN)  | I W/FLASHER  | WEIGHT STATION |           | 8"   | <del>3</del>                     | <del>0</del> | <del>1</del>   | <del>0</del>         | <del>3</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           | D      |
|                         | 64   | 1.34     | -                | SAND ISLAND   | DOT SCALEHOUSE (OUT) | I W/FLASHER  | SIGNAL AHEAD   | SB, NB    | 12"  | <del>6</del>                     | <del>0</del> | <del>10</del>  | <del>0</del>         | <del>0</del>  | <del>6</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
|                         | 64   | 1.80     | ROAD NO. 2       | SAND ISLAND   | ROAD NO. 2           | INTERSECTION |                |           | 12"  | <del>0</del>                     | <del>0</del> | <del>0</del>   | <del>0</del>         | <del>0</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
|                         | 64   | 2.12     | PAHOUNUI         | SAND ISLAND   | AUIKI                | I W/FLASHER  | SIGNAL AHEAD   | WB        | 12"  | <del>7</del>                     | <del>0</del> | <del>9</del>   | <del>1</del>         | <del>1</del>  | <del>5</del>   | <del>0</del>             |                              | <del>2</del>              | <del>0</del>                           |        |
| NIC                     | 65   | 0.05     | -                | KANEOHE BAY   | -                    | FLASHER      | SCHOOL/SPD LMT | NB, SOLAR | 12"  | <del>0</del>                     | <del>0</del> | <del>0</del>   | <del>0</del>         | <del>0</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 0.11     | MAKALANI         | KANEOHE BAY   | AUMOKU               | INTERSECTION |                |           | 12"  | <del>11</del>                    | <del>0</del> | <del>11</del>  | <del>0</del>         | <del>11</del> | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| NIC                     | 65   | 0.25     | -                | KANEOHE BAY   | -                    | MESSAGE BD   |                | SB        | SPC  | <del>0</del>                     | <del>0</del> | <del>0</del>   | <del>0</del>         | <del>0</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 0.39     | PUOHALA          | KANEOHE BAY   | PUOHALA              | INTERSECTION |                |           | 12"  | <del>3</del>                     | <del>0</del> | <del>3</del>   | <del>1</del>         | <del>2</del>  | <del>1</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| NIC                     | 65   | 0.41     | -                | KANEOHE BAY   | -                    | FLASHER      | SCHOOL/SPD LMT | SB, SOLAR | 12"  | <del>0</del>                     | <del>0</del> | <del>0</del>   | <del>0</del>         | <del>0</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 0.72     | MOKULELE         | KANEOHE BAY   | MOKULELE             | INTERSECTION |                |           | 12"  | <del>9</del>                     | <del>0</del> | <del>12</del>  | <del>1</del>         | <del>9</del>  | <del>4</del>   | <del>0</del>             |                              | <del>2</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 1.84     | -                | KANEOHE BAY   | -                    | FLASHER      |                | SB        | 12"  | <del>0</del>                     | <del>0</del> | <del>0</del>   | <del>0</del>         | <del>0</del>  | <del>0</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 1.99     | KANEOHE BAY      | KANEOHE BAY   | NANAMOANA            | I W/FLASHER  | SIGNAL AHEAD   | EB, SB    | 12"  | <del>11</del>                    | <del>0</del> | <del>10</del>  | <del>2</del>         | <del>6</del>  | <del>8</del>   | <del>0</del>             |                              | <del>2</del>              | <del>0</del>                           | E      |
| PH2                     | 65   | 2.43     | -                | MOKAPU SADDLE | H-3 ON-R             | INTERSECTION |                |           | 12"  | <del>3</del>                     | <del>1</del> | <del>2</del>   | <del>1</del>         | <del>1</del>  | <del>4</del>   | <del>0</del>             |                              | <del>2*</del>             | <del>0</del>                           |        |
| PH2                     | 65   | 2.95     | KALAHEO HS       | MOKAPU SADDLE | QUARRY               | INTERSECTION |                |           | 12"  | <del>12</del>                    | <del>0</del> | <del>12</del>  | <del>0</del>         | <del>12</del> | <del>0</del>   | <del>2</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 3.24     | ILIPILO          | MOKAPU        | ONEAWA               | INTERSECTION |                |           | 12"  | <del>10</del>                    | <del>0</del> | <del>7</del>   | <del>2</del>         | <del>6</del>  | <del>4</del>   | <del>1</del>             |                              | <del>2</del>              | <del>0</del>                           |        |
| PH2                     | 65   | 4.15     | STATE?           | KANEOHE BAY   | MOKAPU               | N. KALAHEO   | INTERSECTION   |           | 12"  | <del>6</del>                     | <del>0</del> | <del>10</del>  | <del>0</del>         | <del>7</del>  | <del>2</del>   | <del>0</del>             |                              | <del>0</del>              | <del>0</del>                           |        |
|                         |      |          |                  |               |                      |              |                |           |      |                                  |              |                |                      |               |                |                          |                              |                           |                                        |        |
|                         |      |          |                  |               |                      |              |                |           |      |                                  |              |                |                      |               |                |                          |                              |                           |                                        |        |
|                         |      |          |                  |               |                      |              |                |           |      |                                  |              |                |                      |               |                |                          |                              |                           |                                        |        |

- \* - YELLOW ARROW TO REPLACE EXISTING CIRCULAR YELLOW INDICATION (ORIENTED SAME AS EXISTING GREEN ARROW)  
\*\* - INSTALL YELLOW ARROW (ORIENTED SAME AS EXISTING GREEN ARROW) UNLESS OTHERWISE NOTED  
2\* - 1 STRAIGHT YELLOW ARROW ~~1~~  
1 STRAIGHT RED ARROW  
D - SELECTIVE DEMOLISH ~~1~~ DISPOSE UNUSED SIGNAL POSTS, BACKFILL POST HOLES WITH MATERIALS MATCHING SURROUNDING  
E - MODIFY LEFT TURN SIGNALS FOR ON RAMP MOTORISTS TO ALL ARROWS

ABBREVIATION

|                |                              |
|----------------|------------------------------|
| EB             | EASTBOUND                    |
| I W/FLASHER    | INTERSECTION WITH FLASHER(S) |
| IC             | INTERCHANGE                  |
| MP             | MILE POST, APPROXIMATE ONLY  |
| NB             | NORTHBOUND                   |
| NIC            | NOT IN CONTRACT              |
| OFF-R          | OFF RAMP                     |
| ON-R           | ON RAMP                      |
| OP             | OVERPASS                     |
| PH2            | PHASE 2, IN THIS CONTRACT    |
| PV             | PROGRAMMABLE VISIBILITY      |
|                | TRAFFIC SIGNAL MADE BY 3M    |
| SB             | SOUTHBOUND                   |
| SCHOOL/SPD LMT | SCHOOL/SPEED LIMIT           |
| SPC            | SPECIAL                      |
| UP             | UNDERPASS                    |
| WB             | WESTBOUND                    |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SCHEDULE**  
TRAFFIC SIGNAL MODERNIZATION  
LED SIGNAL RETROFIT, PHASE 2  
AT VARIOUS LOCATIONS ON OAHU  
Fed. Aid Project No. CMAQ-0300(108)  
Scale: None      Date: May 2007  
SHEET No. 3 OF 20 SHEETS

LEGEND FOR AS-BUILT POSTINGS  
 Squiggly line for as-built deletion  
 Double line for as-built deletion  
Roadway      Text for as-built posting

"AS-BUILT"