

| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | STP-019-2(37)         | 1995           | 22           | 36              |

| REFLECTOR AND OBJECT MARKER SCHEDULE |          |      |       |              |                          |               |              |               |               |              |               |                           |              |               |               |               |                    |
|--------------------------------------|----------|------|-------|--------------|--------------------------|---------------|--------------|---------------|---------------|--------------|---------------|---------------------------|--------------|---------------|---------------|---------------|--------------------|
| STATION *                            |          | LEFT | RIGHT | RM-2 (White) |                          | RM-2 (Yellow) |              |               | RM-3 (Yellow) |              |               | RM-3 (Bi-dir)<br>(Yellow) |              | RM-4          |               | TYPE II       | REMARKS            |
| FROM                                 | TO       |      |       | FLEX<br>POST | (Bi-dir)<br>FLEX<br>POST | STEEL<br>POST | FLEX<br>POST | W/OUT<br>POST | STEEL<br>POST | FLEX<br>POST | W/OUT<br>POST | STEEL<br>POST             | FLEX<br>POST | STEEL<br>POST | W/OUT<br>POST | W/OUT<br>POST |                    |
| SDR 3(6)                             |          |      |       |              |                          |               |              |               |               |              |               |                           |              |               |               |               |                    |
| 182+26                               | — —      | ●    |       |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Inlet Box          |
| 186+71                               | 186+87   | ●    |       |              |                          |               |              |               |               |              |               |                           | 2            |               |               |               | Culvert            |
| 186+73                               | 186+89   |      | ●     |              |                          |               |              |               |               |              |               |                           | 2            |               |               |               | Culvert            |
| 207+62                               | 208+37   |      | ●     |              |                          |               |              |               |               |              |               | 4                         |              |               |               |               | Kealakaha Br. G.R. |
| 207+62                               | 208+12   | ●    |       |              |                          |               |              |               |               |              |               | 2                         |              |               |               |               | Kealakaha Br. G.R. |
| 208+42                               | — —      | ●    |       |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kealakaha Br.      |
| 208+59                               | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kealakaha Br.      |
| 208+62                               | 213+48   |      | ●     |              |                          |               |              |               |               |              |               |                           | 15           |               |               |               | Bridge rail        |
| 213+73                               | 214+98   | ●    |       |              |                          |               |              |               |               |              |               | 6                         |              |               |               |               | Kealakaha Br. G.R. |
| 213+85.5                             | 214+35.5 |      | ●     |              |                          |               |              |               |               |              |               | 2                         |              |               |               |               | Kealakaha Br. G.R. |
| 213+51                               | — —      | ●    |       |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kealakaha Br.      |
| 213+51                               | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kealakaha Br.      |
| 217+73                               | 217+93   |      | ●     |              |                          |               |              |               |               |              |               |                           | 2            |               |               |               | Headwall           |
| 223+60                               | 225+40   |      | ●     |              |                          | 3             |              |               |               |              |               |                           |              |               |               |               | Guardrail          |
| 224+81                               | 239+93.5 | ●    |       |              |                          | 14            |              | 4             | 4             |              |               |                           |              |               |               |               | Guardrail          |
| 229+77                               | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Headwall           |
| 235+45                               | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Anchor Line        |
| 237+53                               | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Headwall           |
| 237+59                               | 237+71   | ●    |       |              |                          |               |              |               |               |              |               |                           | 2            |               |               |               | Culvert            |
| 240+07                               | 244+19.5 | ●    |       |              |                          | 4             |              | 2             | 3             |              |               |                           |              |               |               |               | Guardrail          |
| 243+18                               | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Headwall           |
| 250+37                               | 252+12   | ●    |       |              |                          | 3             |              |               | 1             |              |               |                           |              |               |               |               | Guardrail          |
| 250+58                               | 251+70.5 |      | ●     |              |                          | 2             |              |               |               |              |               |                           |              |               |               |               | Guardrail          |
| 266+14                               | — —      | ●    | ●     |              |                          |               |              |               |               |              |               |                           |              | 2             |               |               | Kaholo Br.         |
| 268+29                               | — —      | ●    | ●     |              |                          |               |              |               |               |              |               |                           |              | 2             |               |               | Kaholo Br.         |
| 271+78                               | — —      | ●    | ●     |              |                          |               |              |               |               |              |               |                           |              | 2             |               |               | Kupapaula Br.      |
| 275+37                               | — —      | ●    | ●     |              |                          |               |              |               |               |              |               |                           |              | 2             |               |               | Kupapaula Br.      |
| 277+41.5                             | 279+79   |      | ●     |              |                          | 3             |              |               |               |              |               |                           |              |               |               |               | Guardrail          |
| 282+00                               | — —      | ●    |       |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Culvert            |
| F-019-2(2)                           |          |      |       |              |                          |               |              |               |               |              |               |                           |              |               |               |               |                    |
| 5+06                                 | — —      |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            | 1             |               |               | Headwall           |
| 7+61                                 | 9+23.5   |      | ●     |              |                          | 2             |              |               | 1             |              |               |                           |              |               |               |               | Guardrail          |

\* Stations were referenced from State Stripe Maps and may vary in the field .

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

REFLECTOR AND OBJECT  
MARKER SCHEDULE

HAWAII BELT ROAD RESURFACING  
Kaala Bridge to Kaawali Gulch  
F.A. PROJECT NO. STP-019-2(37)

Scale: NoneDate: Nov., 1994

SHEET No. 1 OF 3 SHEETS

|                        |       |                       |                |              |                 |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
| HAWAII                 | HAW.  | STP-019-2(37)         | 1995           | 23           | 36              |

REFLECTOR AND OBJECT MARKER SCHEDULE (Continued)

| STATION * |         | LEFT | RIGHT | RM-2 (White) |                          | RM-2 (Yellow) |              |               | RM-3 (Yellow) |              |               | RM-3 (Bi-dir)<br>(Yellow) |              | RM-4          |               | TYPE II       | REMARKS               |
|-----------|---------|------|-------|--------------|--------------------------|---------------|--------------|---------------|---------------|--------------|---------------|---------------------------|--------------|---------------|---------------|---------------|-----------------------|
| FROM      | TO      |      |       | FLEX<br>POST | (Bi-dir)<br>FLEX<br>POST | STEEL<br>POST | FLEX<br>POST | W/OUT<br>POST | STEEL<br>POST | FLEX<br>POST | W/OUT<br>POST | STEEL<br>POST             | FLEX<br>POST | STEEL<br>POST | W/OUT<br>POST | W/OUT<br>POST |                       |
|           |         |      |       |              |                          |               |              |               |               |              |               |                           |              |               |               |               |                       |
| 8+43      | — —     | ●    |       |              |                          |               |              |               |               |              | 1             |                           |              |               |               |               | Speed Limit Sign      |
| 11+67.5   | 13+92.5 |      | ●     |              |                          | 3             |              |               |               |              |               |                           |              |               |               |               | Guardrail             |
| 18+57.5   | 19+32.5 |      | ●     |              |                          |               |              |               |               |              |               | 4                         |              |               |               |               | Kaula Br. G.R.        |
| 18+39.5   | 19+89.5 | ●    |       |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Kaula Br. G.R.        |
| 19+27     | — —     | ●    |       |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kaula Br.             |
| 19+60     | — —     |      | ●     |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kaula Br.             |
| 22+95     | — —     | ●    |       |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kaula Br.             |
| 23+18     | — —     |      | ●     |              |                          |               |              |               |               |              |               |                           |              | 1             |               |               | Kaula Br.             |
| 23+18     | 23+68   | ●    |       |              |                          |               |              |               | 3             |              |               |                           |              |               |               |               | Kaula Br. G.R.        |
| 23+70     | — —     |      | ●     |              |                          |               |              |               | 1             |              |               |                           |              |               |               |               | Kaula Br. G.R.        |
| 23+93     | — —     | ●    |       |              |                          |               |              |               |               | 1            |               |                           |              |               |               |               | Kaula Br. approach    |
| 24+20     | — —     |      | ●     |              |                          |               |              |               |               | 1            |               |                           |              |               |               |               | Kaula Br. departure   |
| 34+90     | — —     |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Catch basin           |
| 35+14     | 35+23   | ●    |       |              |                          |               |              |               |               |              |               |                           | 2            |               |               |               | Culvert               |
| 35+17     | — —     |      | ●     |              |                          |               |              |               |               |              |               |                           | 1            |               |               |               | Culvert               |
| 38+99     | 40+24   |      | ●     |              |                          | 2             |              |               | 2             |              |               |                           |              |               |               |               | Guardrail             |
| 39+63.5   | 41+34   | ●    |       |              |                          | 3             |              | 2             | 2             |              |               |                           |              |               |               |               | Guardrail             |
| 42+64     | 46+91   | ●    |       |              |                          | 5             |              |               |               |              |               | 6                         |              |               |               |               | Guardrail             |
| 48+55     | 50+77   | ●    |       |              |                          | 2             |              | 2             | 2             |              |               |                           |              |               |               |               | Guardrail             |
| 50+05     | 50+76   |      | ●     |              |                          | 1             |              | 2             | 2             |              |               |                           |              |               |               |               | Guardrail             |
| 51+23     | 57+63   | ●    |       |              |                          | 5             |              | 4             | 4             |              |               |                           |              |               |               |               | Guardrail             |
| 55+86     | 56+60   |      | ●     |              |                          | 2             |              |               | 2             |              |               |                           |              |               |               |               | Guardrail             |
| 58+10     | 65+55   | ●    |       |              |                          | 7             |              | 2             | 3             |              |               |                           |              |               |               |               | Guardrail             |
| 63+66     | 63+76   |      | ●     |              |                          |               |              |               |               |              |               |                           | 2            |               |               |               | Headwall              |
| 66+45     | 66+55   | ●    |       |              |                          |               | 6            |               |               |              |               |                           |              |               |               |               | Ookala Int. island    |
| 66+48     | — —     | ●    |       |              |                          |               |              |               |               |              |               |                           |              |               |               | 2             | "Keep Right" sign     |
| 66+51     |         | ●    |       |              |                          |               |              |               |               |              |               |                           |              |               |               | 2             | Stop sign             |
| 67+10     | 67+50   | ●    |       | 10           |                          |               |              |               |               |              |               |                           |              |               |               |               | Ookala Int. island    |
| 67+16     |         | ●    |       |              |                          |               |              |               |               |              |               |                           |              |               |               | 2             | "Left Turn Here" sign |
| SDR 3(18) |         |      |       |              |                          |               |              |               |               |              |               |                           |              |               |               |               |                       |
| 77+85     | 82+79   |      | ●     |              |                          | 6             |              |               |               |              |               |                           |              |               |               |               | Guardrail             |
| 78+34     | 85+11   | ●    |       |              |                          | 7             |              |               | 1             |              |               |                           |              |               |               |               | Guardrail             |
| 85+66     | 91+16   |      | ●     |              |                          | 5             |              | 2             | 3             |              |               |                           |              |               |               |               | Guardrail             |

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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

REFLECTOR AND OBJECT  
MARKER SCHEDULE

HAWAII BELT ROAD RESURFACING  
Kaala Bridge to Kaawali Gulch  
F.A. PROJECT NO. STP-019-2(37)

Scale: NoneDate: Nov., 1994

SHEET No. 2 OF 3 SHEETS

| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | STP-019-2(37)         | 1995           | 24           | 36              |

| REFLECTOR AND OBJECT MARKER SCHEDULE (Continued) |        |      |       |              |                          |               |              |               |               |              |               |                           |              |               |               |               |                     |  |
|--------------------------------------------------|--------|------|-------|--------------|--------------------------|---------------|--------------|---------------|---------------|--------------|---------------|---------------------------|--------------|---------------|---------------|---------------|---------------------|--|
| STATION *                                        |        | LEFT | RIGHT | RM-2 (White) |                          | RM-2 (Yellow) |              |               | RM-3 (Yellow) |              |               | RM-3 (Bi-dir)<br>(Yellow) |              | RM-4          |               | TYPE II       | REMARKS             |  |
| FROM                                             | TO     |      |       | FLEX<br>POST | (Bi-dir)<br>FLEX<br>POST | STEEL<br>POST | FLEX<br>POST | W/OUT<br>POST | STEEL<br>POST | FLEX<br>POST | W/OUT<br>POST | STEEL<br>POST             | FLEX<br>POST | STEEL<br>POST | W/OUT<br>POST | W/OUT<br>POST |                     |  |
| 85+97                                            | 94+95  | ●    |       |              |                          | 10            |              |               | 2             |              |               |                           |              |               |               |               | Guardrail           |  |
| 99+00                                            | 99+16  | ●    |       |              |                          |               |              |               |               |              |               | 2                         |              |               |               |               | Headwall            |  |
| 99+01                                            | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Inlet box           |  |
| 107+51                                           | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Inlet box           |  |
| 112+26                                           | 112+38 |      | ●     |              |                          |               |              |               |               |              |               | 2                         |              |               |               |               | Inlet box           |  |
| 115+01                                           | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Inlet box           |  |
| 117+98                                           | 122+44 |      | ●     |              |                          | 18            |              |               | 1             |              |               |                           |              |               |               |               | Guardrail, 25' o.c. |  |
| 118+05                                           | 123+30 | ●    |       |              |                          | 22            |              |               |               |              |               |                           |              |               |               |               | Guardrail, 25' o.c. |  |
| 125+52                                           | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Inlet box           |  |
| 130+01                                           | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Inlet box           |  |
| 132+50                                           | 140+00 | ●    |       |              | 9                        |               |              |               |               |              |               |                           |              |               |               |               | CRM wall/Cut bank   |  |
| 134+00                                           | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | Inlet box           |  |
| 140+28.5                                         | 140+93 | ●    |       |              |                          |               |              | 2             | 2             |              |               |                           |              |               |               |               | Guardrail           |  |
| 140+42                                           | — —    |      | ●     |              |                          |               |              |               |               |              |               | 1                         |              |               |               |               | — —                 |  |
| TOTALS                                           |        |      |       |              | 10                       | 9             | 128          | 10            | 23            | 35           | 0             | 1                         | 23           | 51            | 16            | 0             | 6                   |  |

- \* - Stations were referenced from State Strip Maps and may vary in the field.  
- Final Marker locations are to be approved by the Engineer.

|                  |                         |          |
|------------------|-------------------------|----------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY       | DATE     |
| NOTE BOOK        | DRAWN BY G. Alburado    | 12-12-94 |
| 00220009         | DESIGNED BY R. L. Gossu |          |
| 01/12/95         | CHECKED BY              |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

REFLECTOR AND OBJECT  
MARKER SCHEDULE

HAWAII BELT ROAD RESURFACING  
Kaala Bridge to Kaawalii Gulch  
F.A. PROJECT NO. STP-019-2(37)

Scale: NoneDate: Nov., 1994

SHEET No. 3 OF 3 SHEETS