

REFLECTOR AND OBJECT MARKER SCHEDULE

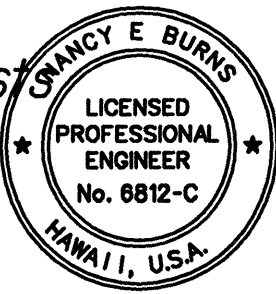
| STATION              | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS    |
|----------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|------------|
|                      |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |            |
| PROJECT NO. WER 1(I) |      |       |              |               |                          |               |            |              |               |            |            |            |
| 10+00                | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 12+50                |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-2 |
| 13+00                | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 13+50                |      | ●     | 1            |               |                          |               | 1          |              |               |            |            | Below R4-2 |
| 14+25                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #62   |
| 16+00                | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 17+00                |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 19+00                | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 19+95                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #63   |
| 20+00                |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 22+00                | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 23+00                |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 23+50                | ●    |       |              |               |                          |               |            | 1            |               |            |            | Below R4-1 |
| 25+10                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #64   |
| 25+45                |      | ●     |              |               |                          |               |            | 1            |               |            |            | Below R4-1 |
| 27+00                | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 29+45                |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 29+50                | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 29+55                |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 29+95                | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 30+10                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #65   |
| 33+00                |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 34+00                | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-2 |
| 35+00                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #66   |
| 36+00                |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 39+00                | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 41+00                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #67   |
| 42+00                |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 45+00                | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 46+20                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #68   |
| 48+00                | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 51+00                | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 51+20                |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #69   |
| 54+00                | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 55+00                | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-1 |

| STATION                    | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS    |
|----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|------------|
|                            |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |            |
| PROJECT NO. WER 1(I) CONT. |      |       |              |               |                          |               |            |              |               |            |            |            |
| 57+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 57+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 57+40                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #70   |
| 60+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 61+50                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-2 |
| 63+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 63+20                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #71   |
| 63+90                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-2 |
| 66+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 69+20                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #72   |
| 70+75                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-1 |
| 73+20                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #73   |
| 74+80                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 75+00                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 77+45                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #74   |
| 78+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 78+75                      |      | ●     |              |               |                          |               |            | 1            |               |            |            | Below R4-2 |
| 82+40                      | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Below M1-6 |
| 83+45                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #75   |
| 86+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 87+45                      | ●    |       | 1            |               |                          |               |            | 1            |               |            |            | Below R4-1 |
| 88+40                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #76   |
| 89+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 92+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 93+40                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #77   |
| 95+00                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert    |

NOTES:

- Reflector markers located behind guardrail shall be installed with steelposts. At all other locations reflector markers shall be installed with flexible delineator posts.
- Remove all existing reflector markers, object markers, and posts unless otherwise directed by the Engineer.
- Removal of existing reflector markers, object markers, and posts shall be considered incidental to the various signing items.

\* Stations may vary in the field  
Final Marker locations are to be approved by the Engineer.  
\*\* RM-3 to be installed on Sign Posts, as directed by the Engineer



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
Nancy E. Burns  
DATE: 4/26/97

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT  
MARKER SCHEDULE**  
HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M  
Scale: N.T.S. Date: April, 1997  
SHEET No. 1 OF 7 SHEETS

|               |                   |       |
|---------------|-------------------|-------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE  |
| NOTE BOOK     | DRAWN BY          | ..... |
|               | DESIGNED BY       | ..... |
|               | CHECKED BY        | ..... |
|               | IN CHARGE         | ..... |



REFLECTOR AND OBJECT MARKER SCHEDULE

| STATION                    | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS    |
|----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|------------|
|                            |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |            |
| PROJECT NO. WER 1(1) CONT. |      |       |              |               |                          |               |            |              |               |            |            |            |
| 95+50                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert    |
| 98+00                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 98+20                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 99+00                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-1 |
| 99+20                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #78   |
| 101+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 101+20                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 103+85                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #79   |
| 104+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 104+20                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 107+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 107+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 108+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 108+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 109+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 109+10                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #80   |
| 109+45                     |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 109+76                     | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 109+96                     |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 110+30                     | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 110+50                     |      | ●     |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 111+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 111+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 112+50                     | ●    | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 113+00                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 113+80                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #81   |
| 115+50                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 116+00                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 118+50                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 119+00                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 119+64                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #82   |
| 120+00                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 120+65                     |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 120+70                     | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 121+05                     |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |

| STATION                    | LEFT | RIGHT | RM-2BI    | RM-2       | MOD. RM    | RM-3 **    |         | RM-3BI    | RM-4       | RM-4    | TYPE II | REMARKS  |
|----------------------------|------|-------|-----------|------------|------------|------------|---------|-----------|------------|---------|---------|----------|
|                            |      |       | FLEX POST | STEEL POST | STEEL POST | STEEL POST | NO POST | FLEX POST | STEEL POST | NO POST | NO POST |          |
| PROJECT NO. WER 1(1) CONT. |      |       |           |            |            |            |         |           |            |         |         |          |
| 121+20                     | ●    |       |           |            |            |            |         |           | 1          |         |         | Culvert  |
| 121+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 122+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 122+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 123+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 123+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 124+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 124+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 125+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 125+30                     |      | ●     |           |            |            |            |         |           |            |         | 1       | P.P. #83 |
| 125+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 126+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 126+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 127+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 127+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 128+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 128+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 129+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 129+50                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |
| 130+60                     |      | ●     |           |            |            |            |         |           |            |         | 1       | P.P. #84 |
| 131+00                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 131+50                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 132+00                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 132+50                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 133+00                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 133+50                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 134+00                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 134+50                     | ●    | ●     |           |            |            |            |         | 2         |            |         |         | Drop Off |
| 135+00                     | ●    |       |           |            |            |            |         | 1         |            |         |         | Drop Off |



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Nancy E. Burns  
DATE: 4/20/97

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT  
MARKER SCHEDULE**

HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M

Scale: N.T.S. Date: April, 1997

SHEET No. 2 OF 7 SHEETS



REFLECTOR AND OBJECT MARKER SCHEDULE

| STATION | LEFT | RIGHT | RM-2BI    | RM-2       | MOD. RM | RM-3 **    |         | RM-3BI    | RM-4       | RM-4    | TYPE II | REMARKS       |
|---------|------|-------|-----------|------------|---------|------------|---------|-----------|------------|---------|---------|---------------|
|         |      |       | FLEX POST | STEEL POST |         | STEEL POST | NO POST | FLEX POST | STEEL POST | NO POST |         |               |
| 135+50  | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 136+00  | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 136+50  |      | ●     |           |            |         |            |         |           |            |         | 1       | P.P. #85      |
| 136+50  | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 137+00  | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 138+00  |      | ●     | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 139+00  | ●    |       | 1         |            |         |            |         |           |            |         | 1       | P.P. #91      |
| 141+00  |      | ●     | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 142+10  | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 142+50  |      | ●     |           |            |         |            |         |           |            |         | 1       | P.P. #86      |
| 144+00  |      | ●     | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 145+10  | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 148+05  |      | ●     |           |            |         |            |         |           |            |         | 1       | P.P. #87      |
| 148+50  | ●    |       |           |            |         |            | 1       |           |            |         |         | Below R4-2    |
| 148+50  |      | ●     |           |            |         |            | 1       |           |            |         |         | Below R4-1    |
| 151+00  |      | ●     | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 152+00  | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 152+50  |      | ●     |           |            |         |            | 1       |           |            |         |         | Below W1-2(R) |
| 152+60  | ●    |       |           |            |         |            |         |           |            |         | 1       | P.P. #88      |
| 153+50  | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 154+00  | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 154+50  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 155+00  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 155+50  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 156+00  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 156+50  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 157+00  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 157+35  | ●    |       |           |            |         |            |         |           |            |         | 1       | P.P. #89      |
| 157+50  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 158+00  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 158+60  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Below I-15    |
| 159+00  | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Below M1-6    |
| 160+80  | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 161+65  | ●    |       |           |            |         |            |         |           |            |         | 1       | Drop Off      |
| 162+00  |      | ●     | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 162+60  | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |

| STATION                    | LEFT | RIGHT | RM-2BI    | RM-2       | MOD. RM | RM-3 **    |         | RM-3BI    | RM-4       | RM-4    | TYPE II | REMARKS       |
|----------------------------|------|-------|-----------|------------|---------|------------|---------|-----------|------------|---------|---------|---------------|
|                            |      |       | FLEX POST | STEEL POST |         | STEEL POST | NO POST | FLEX POST | STEEL POST | NO POST | NO POST |               |
| PROJECT NO. WER 1(I) CONT. |      |       |           |            |         |            |         |           |            |         |         |               |
| 163+50                     | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 164+15                     |      | ●     |           |            |         |            | 1       |           |            |         |         | Below R4-2    |
| 164+75                     | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 165+00                     |      | ●     | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 166+50                     | ●    |       | 1         |            |         |            |         |           |            |         |         | Drop Off      |
| 166+50                     | ●    |       |           |            |         |            |         |           |            |         | 1       | P.P. #91      |
| 168+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 168+00                     | ●    |       |           |            |         |            | 1       |           |            |         |         | Below W1-2(L) |
| 168+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 169+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 169+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 170+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 170+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 171+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 171+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 172+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 172+10                     | ●    |       |           |            |         |            | 1       |           |            |         |         | Below R4-1    |
| 172+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 173+00                     |      | ●     |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 173+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 174+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 174+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 175+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 175+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 176+00                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 176+50                     | ●    | ●     |           |            |         |            |         | 2         |            |         |         | Drop Off      |
| 177+00                     | ●    |       |           |            |         |            |         | 1         |            |         |         | Drop Off      |
| 177+00                     |      | ●     |           |            |         |            |         | 1         |            |         |         | Below W-1     |

ORIGINAL PLAN  
DRAWN BY  
NOTED BY  
DATE  
DESIGNED BY  
CHECKED BY  
N. STUTZMAN

NANCY E. BURKS  
LICENSED PROFESSIONAL ENGINEER  
No. 6812-C  
HAWAII, U.S.A.  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
Nancy E. Burks  
DATE: 4/30/97

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT MARKER SCHEDULE**  
HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M  
Scale: N.T.S. Date: April, 1997  
SHEET No. 3 OF 7 SHEETS



REFLECTOR AND OBJECT MARKER SCHEDULE

| STATION                    | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS      |
|----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|--------------|
|                            |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |              |
| PROJECT NO. WER 1(1) CONT. |      |       |              |               |                          |               |            |              |               |            |            |              |
| 177+10                     | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #93     |
| 177+50                     | ●    |       |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 178+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 178+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 179+00                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off     |
| 179+00                     |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-1   |
| 179+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 180+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 180+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 181+00                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 181+50                     | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off     |
| 181+95                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | P.P. #94     |
| 182+00                     | ●    |       |              |               |                          |               | 1          |              |               |            |            | Drop Off     |
| 182+00                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | Below W-2    |
| 185+00                     | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off     |
| 187+00                     | ●    | ●     |              |               |                          |               | 1          |              |               |            |            | Below W-3    |
| 187+50                     | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #95     |
| 187+60                     | ●    | ●     |              |               |                          |               | 2          |              |               |            |            | Below R4-2-A |
| 191+15                     | ●    | ●     |              |               |                          |               | 2          |              |               |            |            | Below R2-1-A |
| 191+80                     |      | ●     |              |               | 1                        |               |            |              |               |            |            | Modified RM  |
| 192+00                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 192+25                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 192+50                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 192+50                     | ●    | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #96     |
| 192+75                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 193+00                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 193+25                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 193+50                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |
| 193+75                     | ●    |       |              |               | 1                        |               |            |              |               |            |            | Modified RM  |
| 193+75                     |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert      |
| 193+90                     | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert      |
| 194+00                     |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert      |
| 194+10                     | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert      |
| 194+25                     |      | ●     |              |               | 1                        |               |            |              |               |            |            | Modified RM  |
| 194+50                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM  |

| STATION                    | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS     |
|----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|-------------|
|                            |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |             |
| PROJECT NO. WER 1(I) CONT. |      |       |              |               |                          |               |            |              |               |            |            |             |
| 194+75                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 195+00                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 195+25                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 195+50                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 195+75                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 196+00                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 196+25                     | ●    | ●     |              |               | 2                        |               |            |              |               |            |            | Modified RM |
| 196+50                     |      | ●     |              |               | 1                        |               |            |              |               |            |            | Modified RM |
| 197+00                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 197+10                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 197+60                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #97    |
| 197+60                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #97g   |
| 197+90                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 198+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 198+50                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 199+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 199+50                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 199+50                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off    |
| 200+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 200+00                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off    |
| 200+20                     | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-2  |
| 200+95                     |      | ●     |              |               |                          |               |            |              |               | 2          |            | Below R1-1  |
| 201+10                     |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-2  |
| 201+10                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off    |
| 201+50                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off    |
| 202+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off    |
| 202+00                     | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below W-3   |
| 202+50                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off    |
| 202+60                     | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #98    |

ORIGINAL  
PLAN  
DATE  
DRAWN BY  
NOTES BOOK  
CHECKED BY  
DATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
Nancy E. Burns  
DATE: 4/30/97

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT  
MARKER SCHEDULE**  
HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M  
Scale: N.T.S. Date: April, 1997  
SHEET No. 4 OF 7 SHEETS

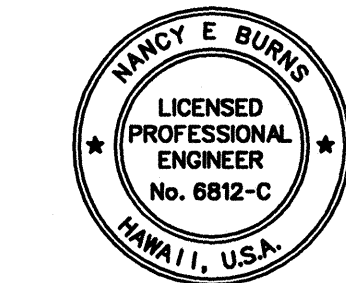


REFLECTOR AND OBJECT MARKER SCHEDULE

| STATION                    | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS       |
|----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|---------------|
|                            |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |               |
| PROJECT NO. WER 1(I) CONT. |      |       |              |               |                          |               |            |              |               |            |            |               |
| 202+60                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #98g     |
| 203+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 204+00                     | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 205+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 205+50                     |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R2-1-A  |
| 206+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 207+00                     | ●    |       | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 207+60                     | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below W2-2(L) |
| 207+65                     | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #99      |
| 207+65                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #99g     |
| 208+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 208+20                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1099    |
| 208+95                     | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below W-2     |
| 211+40                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1100    |
| 211+50                     |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R2-4-A  |
| 212+00                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 213+60                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 213+60                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | End Guardrail |
| 213+70                     | ●    |       |              |               |                          | 1             |            |              |               |            |            | P.P. #100     |
| 214+00                     |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 214+10                     | ●    |       |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| PROJECT NO. FAF 18(B)      |      |       |              |               |                          |               |            |              |               |            |            |               |
| 180+30                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1101    |
| 180+55                     | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Bridge        |
| 180+75                     | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Bridge        |
| 181+20                     | ●    |       |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 182+40                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Below W-1     |
| 183+00                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 184+85                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1102    |
| 184+95                     | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #101     |
| 184+95                     |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #101g    |
| 186+00                     | ●    |       |              |               |                          |               |            | 1            |               |            |            | Below R4-1    |
| 186+10                     |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 189+00                     | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 189+00                     |      | ●     |              |               |                          |               |            | 1            |               |            |            | Below R4-1    |

| STATION                     | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS       |
|-----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|---------------|
|                             |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |               |
| PROJECT NO. FAF 18(B) CONT. |      |       |              |               |                          |               |            |              |               |            |            |               |
| 190+20                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #102     |
| 190+20                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1103    |
| 192+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 192+10                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1104    |
| 194+15                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #103     |
| 194+15                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | P.P. #103g    |
| 194+50                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below W2-2(R) |
| 195+15                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 195+55                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 195+55                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off      |
| 195+95                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 196+35                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 196+35                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off      |
| 196+70                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Bridge        |
| 196+75                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1106    |
| 197+10                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Bridge        |
| 197+55                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 197+75                      | ●    |       |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 198+00                      |      | ●     |              |               |                          |               |            | 1            |               |            |            | Drop Off      |
| 199+00                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off      |
| 199+80                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1107    |
| 200+50                      | ●    | ●     |              |               |                          |               | 2          |              |               |            |            | Below M1-6    |
| 201+45                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 201+55                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 203+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1108    |
| 205+35                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1109    |
| 206+85                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #105     |
| 208+10                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-2    |

ORIGINAL PLAN  
DATE: 4/20/97  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
NOTED BY: [Signature]  
QUANTITIES BY: [Signature]



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
Nancy E. Burns  
DATE: 4/20/97

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT  
MARKER SCHEDULE**  
HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M  
Scale: N.T.S. Date: April, 1997



REFLECTOR AND OBJECT MARKER SCHEDULE

| STATION                     | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS       |
|-----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|---------------|
|                             |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |               |
| PROJECT NO. FAF 18(B) CONT. |      |       |              |               |                          |               |            |              |               |            |            |               |
| 209+00                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 210+00                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-2    |
| 210+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1111    |
| 212+60                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1111x   |
| 212+70                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #106     |
| 214+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1112    |
| 215+50                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 216+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 217+10                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1113    |
| 218+10                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-1    |
| 218+50                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 218+90                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #107     |
| 220+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 220+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1114    |
| 221+40                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 222+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 222+10                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 222+50                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 223+10                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 223+50                      | ●    |       |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 223+80                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 224+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1115    |
| 224+00                      | ●    |       |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 224+35                      |      | ●     |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 224+55                      | ●    |       |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 224+85                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #108     |
| 225+20                      |      | ●     |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 225+40                      | ●    |       |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 225+90                      | ●    | ●     |              |               |                          | 2             |            |              |               |            |            | Guardrail     |
| 226+20                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 226+30                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 227+00                      | ●    | ●     |              |               |                          | 2             |            |              |               |            |            | Guardrail     |
| 227+45                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 227+75                      | ●    |       |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
| 227+75                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1116    |

| STATION                     | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS    |
|-----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|------------|
|                             |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |            |
| PROJECT NO. FAF 18(B) CONT. |      |       |              |               |                          |               |            |              |               |            |            |            |
| 229+25                      | ●    | ●     |              |               |                          |               | 2          |              |               |            |            | Below I-15 |
| 230+45                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1117 |
| 231+00                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #109  |
| 232+55                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert    |
| 232+65                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert    |
| 233+50                      | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 233+55                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1118 |
| 234+00                      | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 234+50                      | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 235+00                      | ●    | ●     |              |               |                          |               |            | 2            |               |            |            | Drop Off   |
| 235+50                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 236+00                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 236+50                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 236+50                      |      | ●     | 1            |               |                          |               |            |              |               |            |            | Drop Off   |
| 236+50                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #110  |
| 237+95                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1120 |
| 238+00                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 238+80                      |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 239+00                      |      | ●     |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 239+05                      | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 239+25                      | ●    |       |              |               |                          |               |            |              | 1             |            |            | Culvert    |
| 239+50                      |      | ●     |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 240+00                      |      | ●     |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 240+50                      |      | ●     |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 240+50                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R4-2 |
| 241+00                      | ●    |       |              |               |                          |               |            | 1            |               |            |            | Drop Off   |
| 242+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off   |
| 242+96                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #111  |

SURVEY PLOTTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
NOTE BOOK \_\_\_\_\_  
QUANTITIES BY \_\_\_\_\_  
N-970705/05/06M



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
Nancy E. Burns  
DATE: 4/30/97

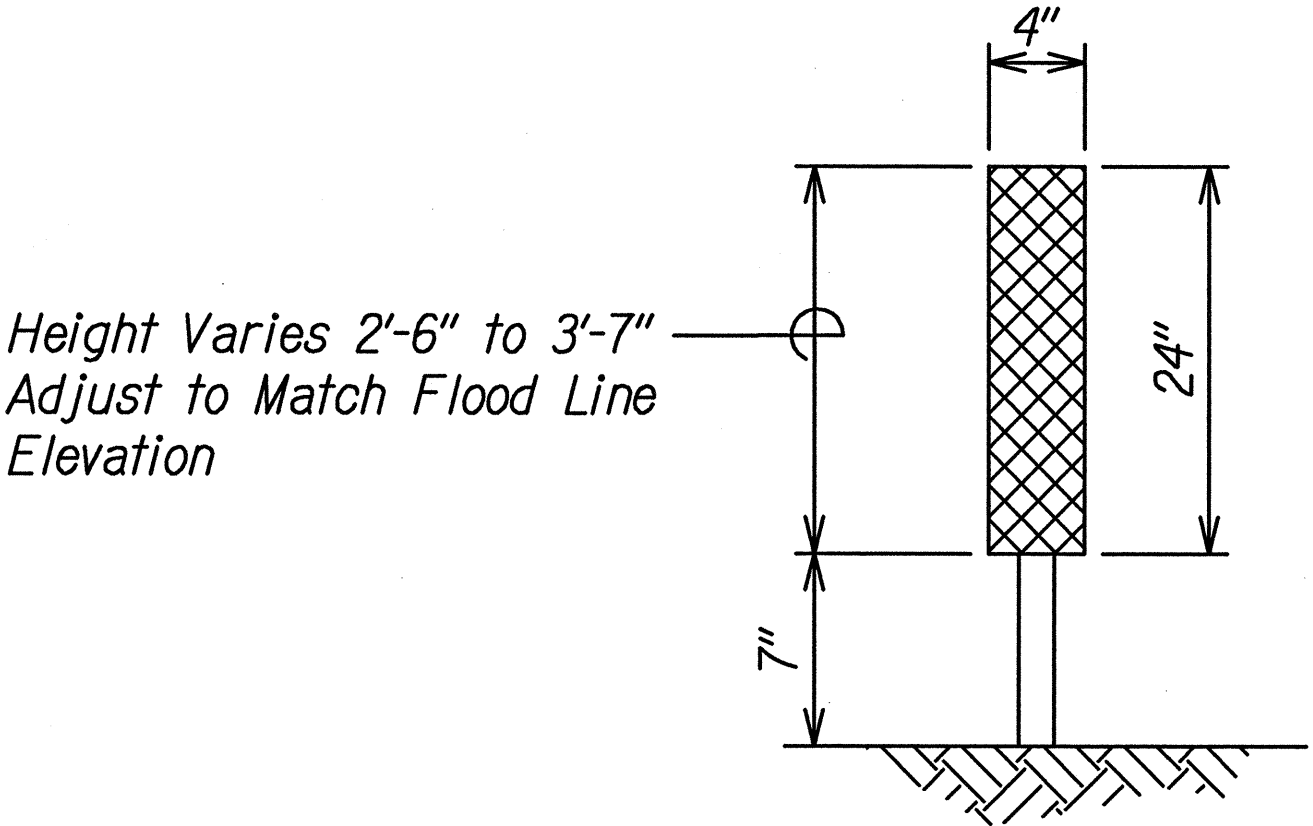
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT MARKER SCHEDULE**  
HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M  
Scale: N.T.S. Date: April, 1997  
SHEET No. 6 OF 7 SHEETS



REFLECTOR AND OBJECT MARKER SCHEDULE

| STATION                     | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS       |
|-----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|---------------|
|                             |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |               |
| PROJECT NO. FAF 18(B) CONT. |      |       |              |               |                          |               |            |              |               |            |            |               |
| 245+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 245+10                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1122    |
| 247+00                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-1    |
| 248+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 248+40                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1123    |
| 249+45                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P> #112     |
| 251+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 254+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 254+80                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-2    |
| 255+20                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #113     |
| 255+20                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1124    |
| 257+00                      | ●    | ●     | 2            |               |                          |               |            |              |               |            |            | Drop Off      |
| 260+50                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 260+60                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 261+85                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #114     |
| 261+90                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1126    |
| 263+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 263+40                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below R4-1    |
| 266+00                      | ●    |       | 1            |               |                          |               |            |              |               |            |            | Drop Off      |
| 266+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1128    |
| 267+05                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #115     |
| 269+15                      |      | ●     |              |               |                          |               | 2          |              |               |            |            | Below D-1     |
| 269+50                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1129    |
| 270+15                      | ●    |       |              |               |                          |               | 2          |              |               |            |            | Below R2-4-A  |
| 271+40                      |      | ●     |              |               |                          |               | 2          |              |               |            |            | Below D-2     |
| 272+00                      |      | ●     |              |               |                          |               | 1          |              |               |            |            | Below D9-2(R) |
| 272+80                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1130    |
| 272+85                      | ●    |       |              |               |                          |               |            |              |               |            | 1          | P.P. #116     |
| 273+10                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R15-1   |
| 274+00                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below M1-6    |
| 274+45                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 274+55                      | ●    | ●     |              |               |                          |               |            |              | 2             |            |            | Culvert       |
| 275+00                      | ●    |       |              |               |                          |               | 2          |              |               |            |            | Below R2-1-A  |
| 275+50                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 275+50                      | ●    |       |              |               |                          |               | 1          |              |               |            |            | Below R16-1-A |

| STATION                     | LEFT | RIGHT | RM-2BI       | RM-2          | MOD. RM<br>STEEL<br>POST | RM-3 **       |            | RM-3BI       | RM-4          | RM-4       | TYPE II    | REMARKS       |
|-----------------------------|------|-------|--------------|---------------|--------------------------|---------------|------------|--------------|---------------|------------|------------|---------------|
|                             |      |       | FLEX<br>POST | STEEL<br>POST |                          | STEEL<br>POST | NO<br>POST | FLEX<br>POST | STEEL<br>POST | NO<br>POST | NO<br>POST |               |
| PROJECT NO. FAF 18(B) CONT. |      |       |              |               |                          |               |            |              |               |            |            |               |
| 275+95                      |      | ●     |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 276+00                      | ●    |       |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 276+00                      |      | ●     |              |               |                          |               |            |              |               |            | 1          | T.P. #1131    |
| 276+45                      |      | ●     |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 276+55                      | ●    |       |              |               |                          |               |            |              | 1             |            |            | Bridge        |
| 276+70                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 277+00                      |      | ●     |              |               |                          | 1             |            |              |               |            |            | Guardrail     |
| 277+15                      | ●    |       |              |               |                          |               |            | 2            |               |            |            | Below D-3     |
| 277+25                      |      | ●     |              |               |                          |               |            |              |               | 2          |            | Below R1-1    |
| 277+90                      | ●    |       |              |               |                          | 1             |            |              |               |            |            | End Guardrail |
|                             |      |       |              |               |                          |               |            |              |               |            |            |               |
| TOTALS                      |      |       | 114          |               | 34                       | 26            | 48         | 167          | 16            | 4          | 87         |               |



MODIFIED REFLECTOR MARKER  
WITH STEEL POST  
Scale: N.T.S.

SURVEY PLOTTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
NOTES BOOK \_\_\_\_\_  
QUANTITIES BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
N-7/07/95/06M



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
*Nancy E. Burke*  
DATE: 4/30/97

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**REFLECTOR & OBJECT  
MARKER SCHEDULE**  
HAWAII BELT-ROAD  
VICINITY OF PAHALA  
PROJECT NO. 11HKL-01-97M  
Scale: N.T.S. Date: April, 1997  
SHEET No. 7 OF 7 SHEETS