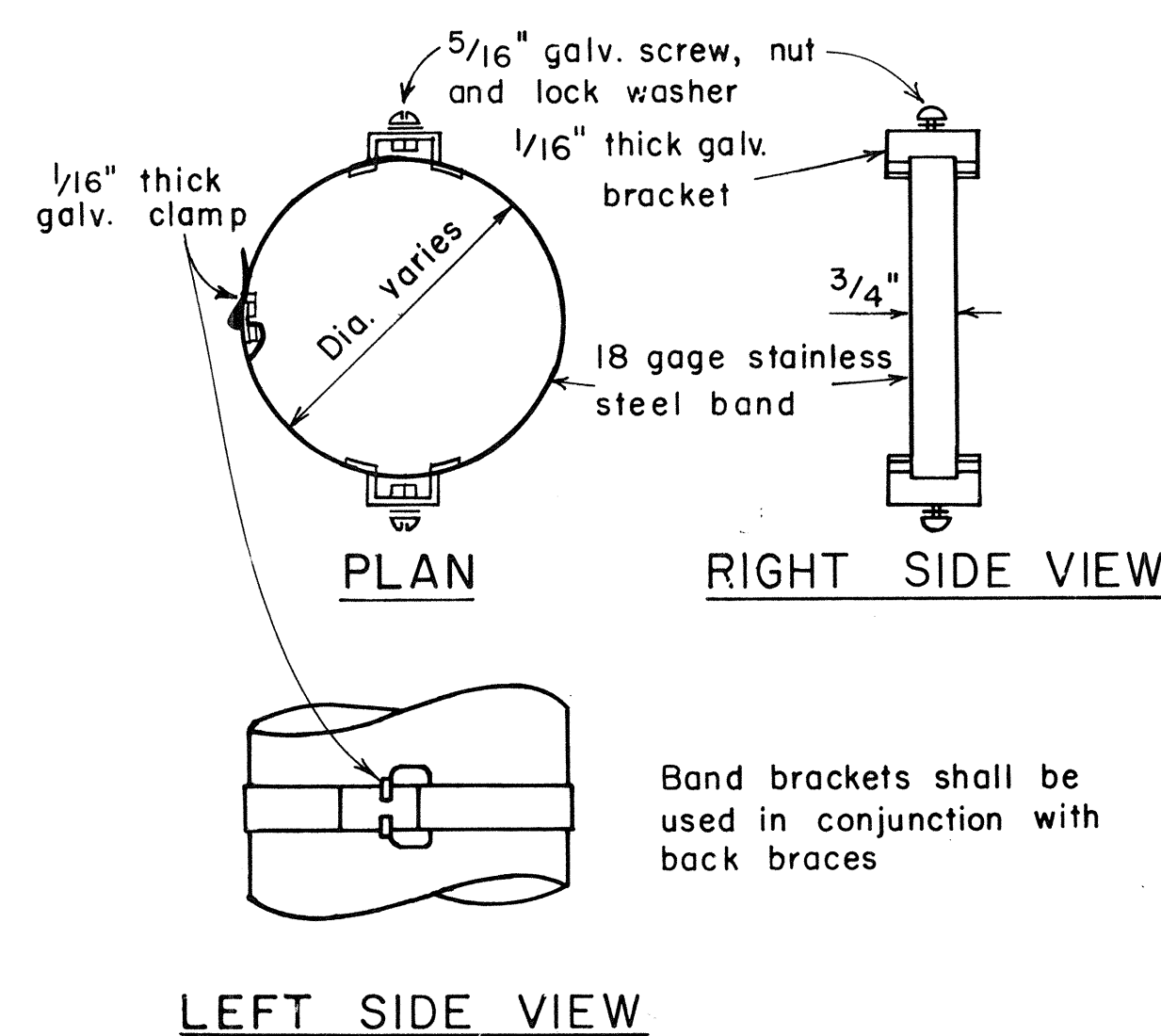
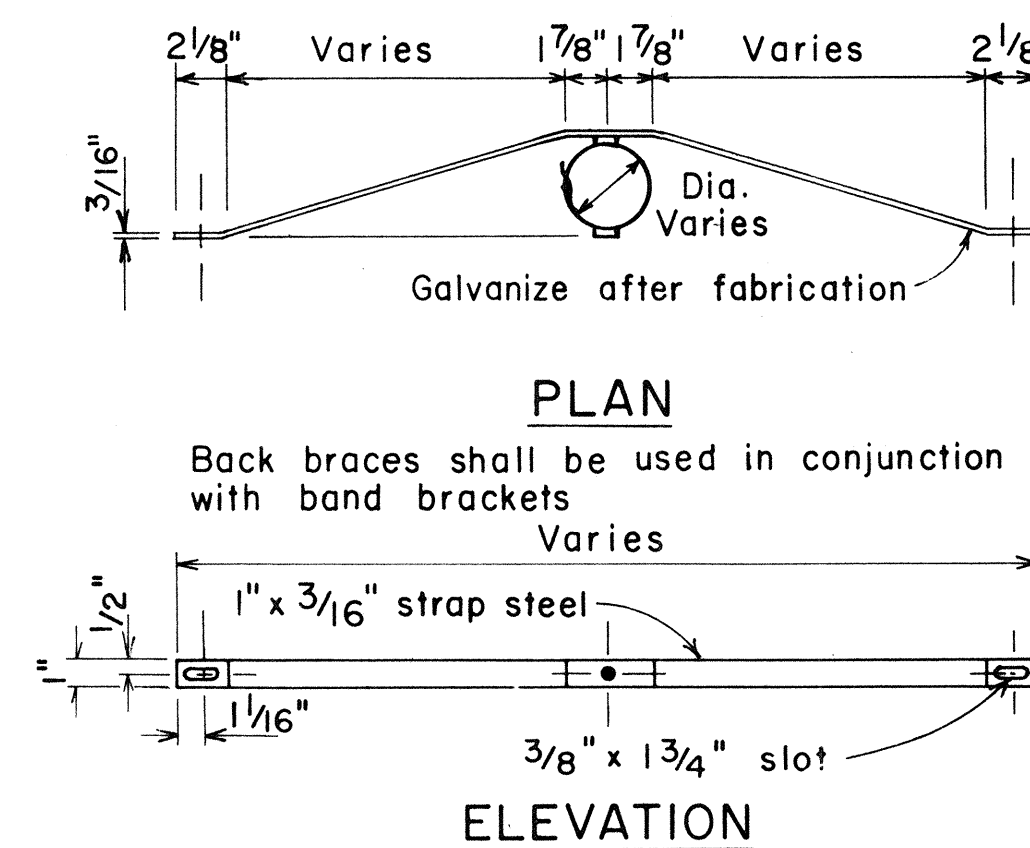


| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-K-0275 | 1978        | 4         | 7            |

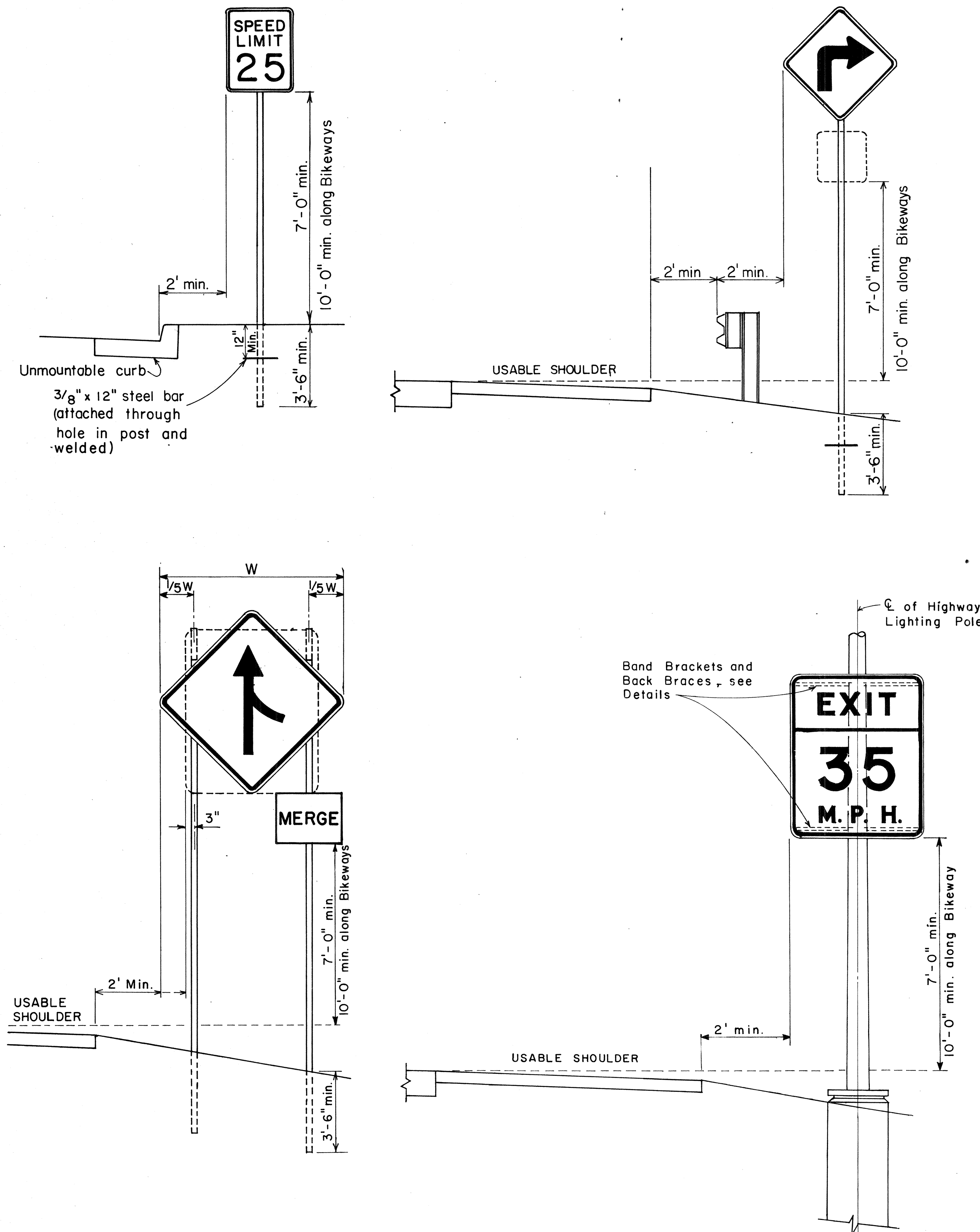
## GENERAL NOTES

- Signs 48" and wider or larger than 10 sq. ft. in area shall be mounted on two sign posts.
- All signs larger than 10 sq. ft. in area or 48" inches and wider, and mounted on other than two posts supports (i.e., on highway lighting poles) shall have at least two sets of band brackets and back braces.
- All signs 28 sq. ft. in area or larger and mounted on other than two posts supports (i.e., on highway lighting poles) shall have at least three sets of band brackets and back braces.
- Signs shall be attached to post with  $\frac{5}{16}$ " galv. bolts with nuts and  $\frac{7}{8}$ " x 0.06" stainless steel washers with neoprene rubber gasket.
- Sign posts shall extend  $3\frac{1}{2}$ " above sign where required for City and County street name signs.
- (R) or (L) indicates right or left and shall be as shown on the plans.

## BACK BRACE DETAILS FOR BALANCED SIGN INSTALLATION



## TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS



APPROVAL RECOMMENDED:  
*Erich Tanaka* 11/10/77  
 TRAFFIC ENGINEER DATE

APPROVED:  
*Herbert A. Pakeish* 11/15/77  
 ASSISTANT CHIEF, ENGINEERING DATE

| NO. | REVISION                                 | APPROVED BY | DATE     |
|-----|------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT-100 approved 12/30/69 | H.T.        | 11/15/77 |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 LAND TRANSPORTATION FACILITIES DIVISION

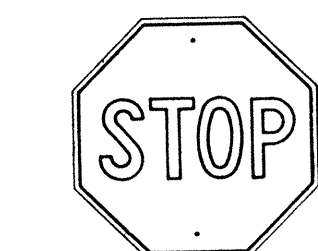
## STANDARD DETAILS

### MISCELLANEOUS SIGN DETAILS

Not to scale June, 1977

SHEET NO. 1 OF 4 SHEETS DT 100

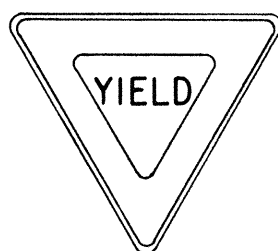
| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-K-0275 | 1978        | 5         | 7            |



R1-1 30" x 30"  
R1-1-A 36" x 36"

4-WAY

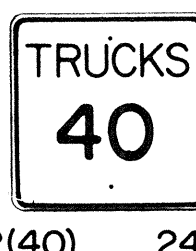
R1-3 12" x 6"  
R1-3-A 18" x 9"



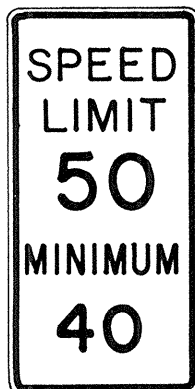
R1-2 36" x 36" x 36"  
R1-2-A 48" x 48" x 48"



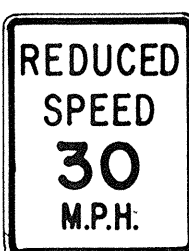
R2-1(50) 24" x 30"  
R2-1(50)-A 48" x 60"



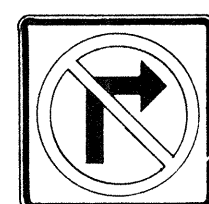
R2-2(40) 24" x 24"  
R2-2(40)-A 48" x 48"



R2-4a(50/40) 24" x 48"  
R2-4a(50/40)-A 48" x 96"

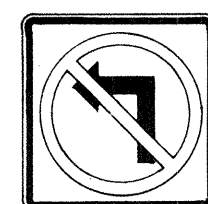


R2-5b(30) 24" x 30"  
R2-5b(30)-A 48" x 60"



NO RIGHT TURN

R3-1 24" x 24"  
24" x 18"  
R3-1-A 48" x 48"  
48" x 36"



NO LEFT TURN

R3-2 24" x 24"  
24" x 18"  
R3-2-A 48" x 48"  
48" x 36"



NO TURNS

R3-3 24" x 24"  
R3-3-A 48" x 48"

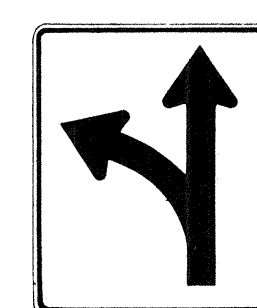


NO U TURN

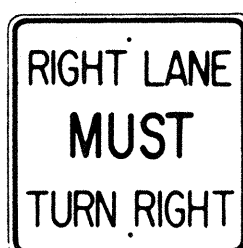
R3-4 24" x 24"  
24" x 18"  
R3-4-A 48" x 48"  
48" x 36"



R3-5(L) 30" x 36"  
R3-5(L)-A 48" x 60"



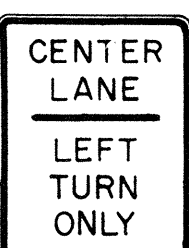
R3-6(L) 30" x 36"  
R3-6(L)-A 48" x 60"



R3-7(R) 30" x 30"  
R3-7(R)-A 48" x 48"



R3-8(L) 30" x 30"  
R3-8(L)-A 36" x 36"  
R3-8(L)-B 48" x 48"



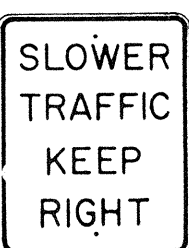
R3-9 24" x 30"



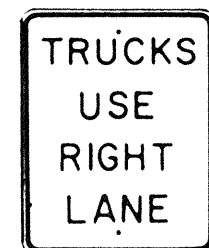
R4-1 24" x 30"



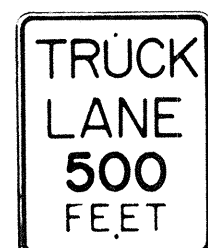
R4-2 24" x 30"



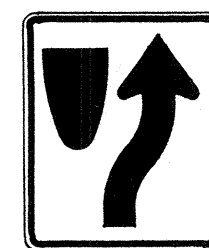
R4-3 24" x 30"  
R4-3-A 48" x 60"



R4-5 24" x 30"

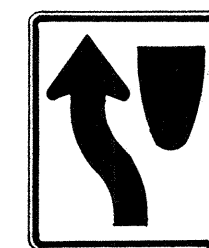


R4-6(500) 24" x 30"



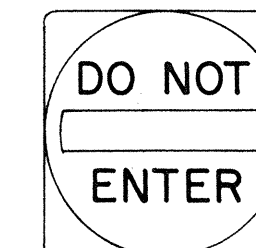
KEEP RIGHT

R4-7 24" x 30"  
24" x 18"

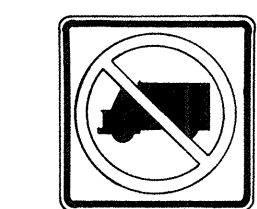


KEEP LEFT

R4-8 24" x 30"  
24" x 18"

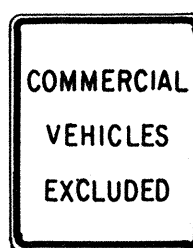


R5-1 30" x 30"  
R5-1-A 48" x 48"



NO TRUCKS

R5-2 24" x 24"  
24" x 18"

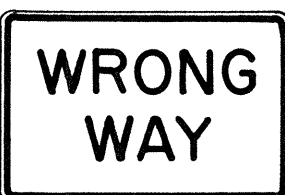


R5-4 24" x 30"



NO BICYCLES

R5-6 24" x 24"  
24" x 18"



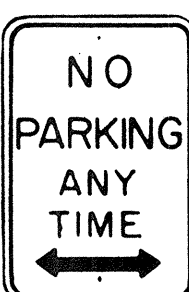
R5-9 36" x 24"



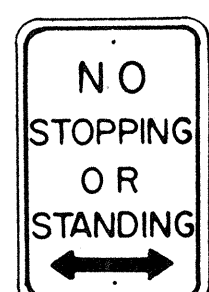
R6-1(R) 36" x 12"



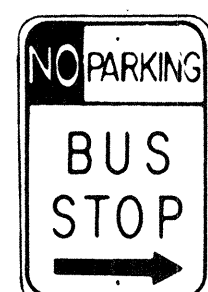
R6-2(R) 18" x 24"



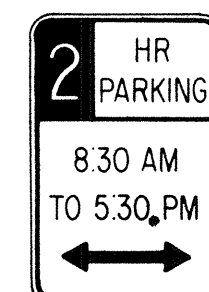
R7-1 12" x 18"  
R7-1-A 24" x 30"



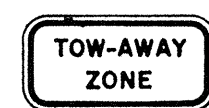
R7-4 12" x 18"  
R7-4-A 24" x 30"



R7-107(R) 12" x 18"



R7-108 12" x 18"



R7-201 12" x 6"  
R7-201-A 24" x 12"



R8-1 24" x 30"



R8-2 24" x 30"



R8-3 24" x 30"



R8-4 30" x 24"  
R8-4-A 48" x 36"



R8-5 24" x 30"



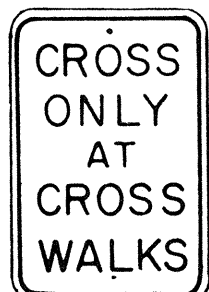
R8-6 24" x 30"



R8-7 30" x 24"  
R8-7-A 48" x 36"



R9-1 18" x 24"



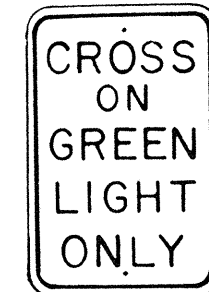
R9-2 12" x 18"



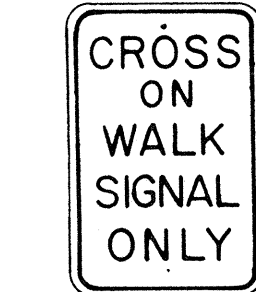
R9-3 12" x 18"



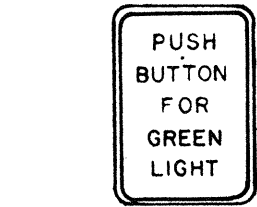
R9-4 18" x 24"



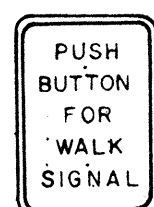
R10-1 12" x 18"



R10-2 12" x 18"



R10-3 9" x 12"



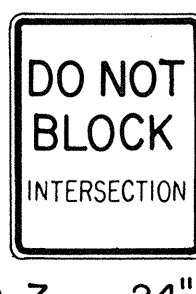
R10-4 9" x 12"



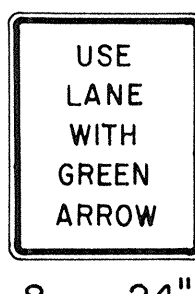
R10-5 24" x 30"



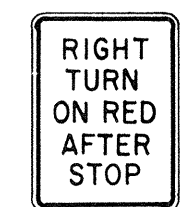
R10-6 24" x 36"



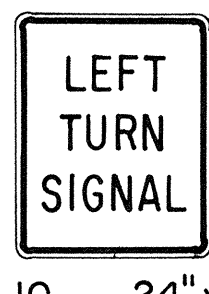
R10-7 24" x 30"



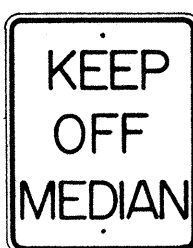
R10-8 24" x 30"



R10-9 24" x 30"



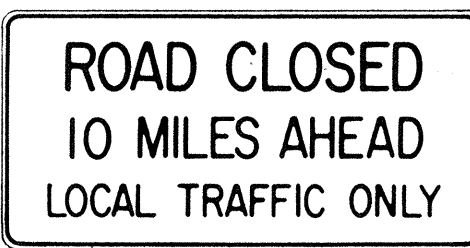
R10-10 24" x 30"



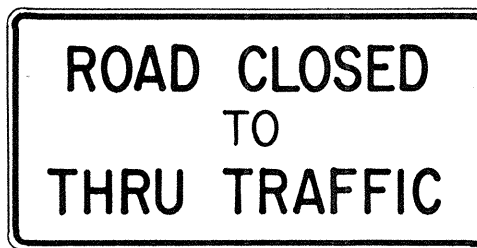
R11-1 24" x 30"



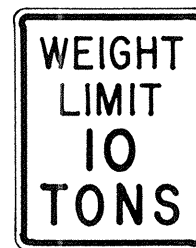
R11-2 48" x 30"



R11-3(10) 60" x 30"



R11-4 60" x 30"



R12-1(10) 24" x 30"

## GENERAL NOTES

- Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- All regulatory signs shall be reflectorized unless otherwise specified.
- All regulatory signs shall have 3/8" bolt holes drilled at appropriate locations.
- Numerals in ( ) indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.

APPROVAL RECOMMENDED:  
TRAFFIC ENGINEER

3/11/72  
DATE

APPROVED:  
ASSISTANT CHIEF, ENGINEERING

2-20-72  
DATE

| NO. | REVISION                                 | APPROVED BY | DATE     |
|-----|------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT 101 Approved 12-30-69 | H.C.        | 3/20/72  |
| 2   | Revised General Note 1.                  | H.C.        | 10/16/74 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
LAND TRANSPORTATION FACILITIES DIVISION

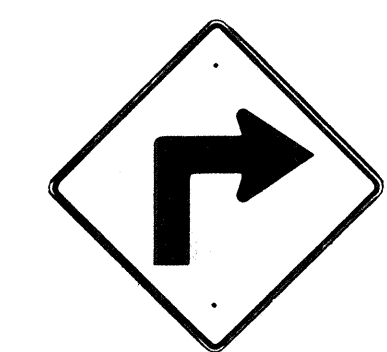
## STANDARD DETAILS REGULATORY SIGNS

NOT TO SCALE

SHEET No. 2 OF 4 SHEETS DT 101

|                   |      |
|-------------------|------|
| ORIGINAL PLAN     | DATE |
| SURVEY PLOTTED BY |      |
| DRAWN BY          |      |
| TRACED BY         |      |
| DESIGNED BY       |      |
| CHECKED BY        |      |
| NO.               |      |

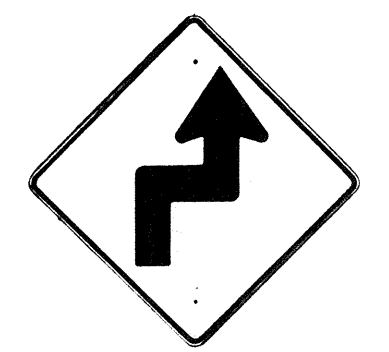
| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII *            | HAW.  | HWY-K-0275 | 1978        | 6         | 7            |



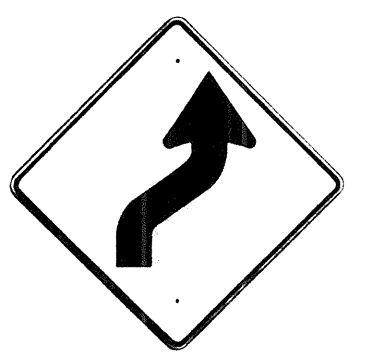
W1-1(R) 30"x 30"  
W1-1(R)-A 48"x 48"



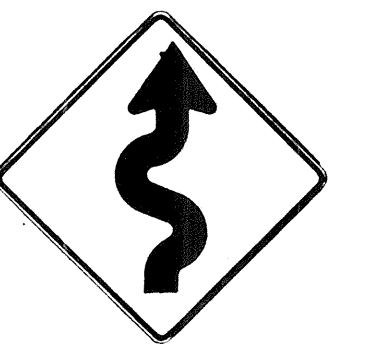
W1-2(R) 30"x 30"  
W1-2(R)-A 48"x 48"



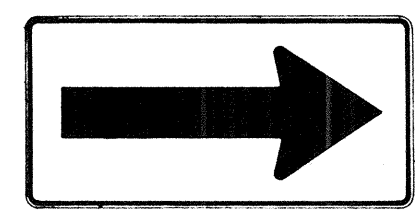
W1-3(R) 30"x 30"  
W1-3(R)-A 48"x 48"



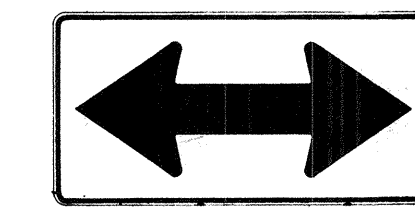
W1-4(R) 30"x 30"  
W1-4(R)-A 48"x 48"



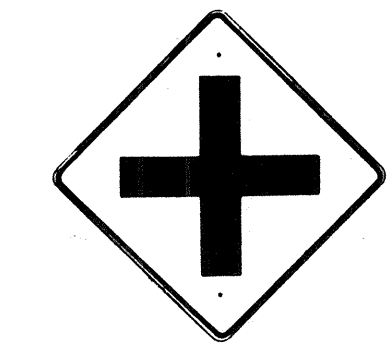
W1-5(R) 30"x 30"  
W1-5(R)-A 48"x 48"



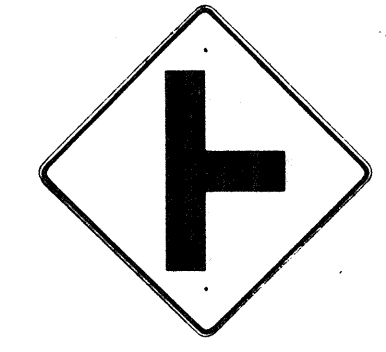
W1-6 48"x 24"



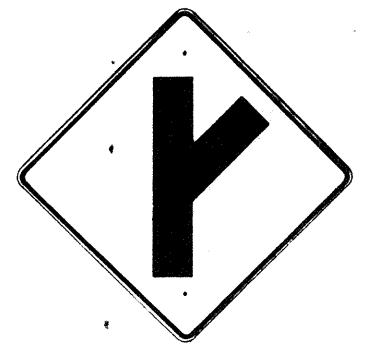
W1-7 48"x 24"



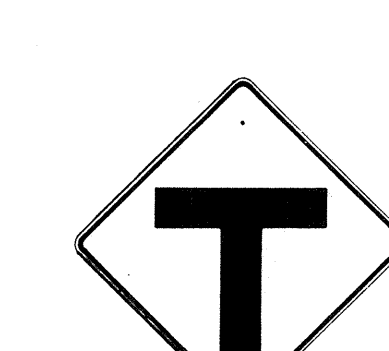
W2-1 30"x 30"  
W2-1-A 48"x 48"



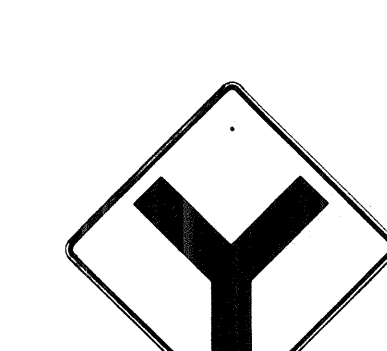
W2-2 30"x 30"  
W2-2-A 48"x 48"



W2-3(R) 30"x 30"  
W2-3(R)-A 48"x 48"



W2-4 30"x 30"  
W2-4-A 48"x 48"



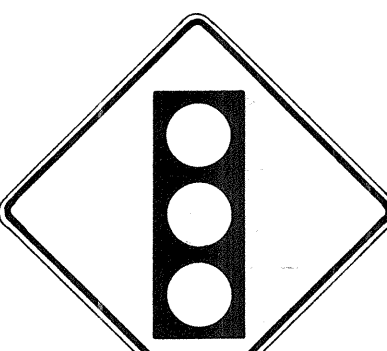
W2-5 30"x 30"  
W2-5-A 48"x 48"



W3-1 30"x 30"  
W3-1-A 36"x 36"



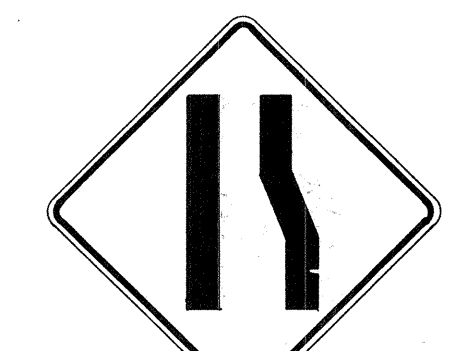
W3-2 30"x 30"  
W3-2-A 36"x 36"



SIGNAL AHEAD  
W3-3 36"x 36"  
24"x 18"



MERGE  
W4-1(R) 30"x 30"  
24"x 18"  
W4-1(R)-A 48"x 48"  
24"x 18"



W4-2(R) 36"x 36"  
W4-2(R)-A 48"x 48"



W5-1 36"x 36"



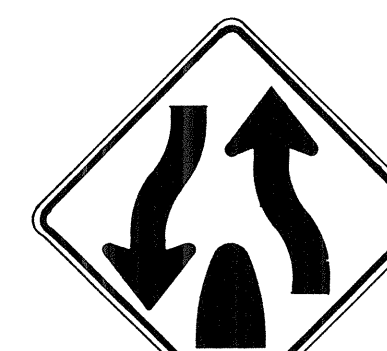
W5-2 30"x 30"  
W5-2-A 36"x 36"



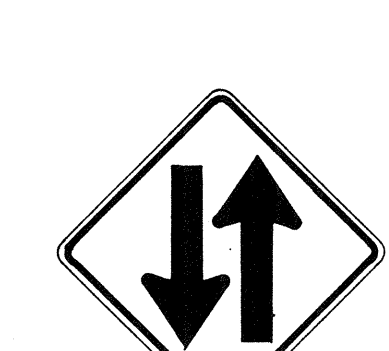
W5-3 36"x 36"



DIVIDED HIGHWAY  
W6-1 36"x 36"  
24"x 18"



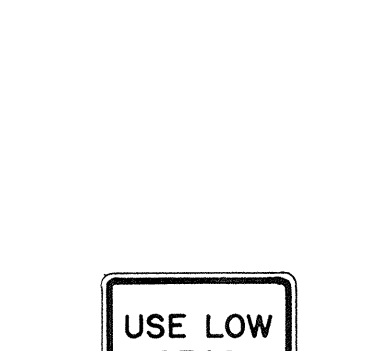
DIVIDED HIGHWAY ENDS  
W6-2 36"x 36"  
24"x 18"



TWO WAY TRAFFIC  
W6-3 30"x 30"  
24"x 18"  
W6-3-A 36"x 36"  
24"x 18"  
W6-3-B 48"x 48"  
24"x 18"



HILL  
W7-1 30"x 30"  
24"x 18"  
W7-1-A 36"x 36"  
24"x 18"



USE LOW GEAR  
W7-2 24"x 18"



BUMP  
W8-1 30"x 30"  
W8-1-A 36"x 36"



DIP  
W8-2 30"x 30"  
W8-2-A 36"x 36"



PAVEMENT ENDS  
W8-3 30"x 30"  
W8-3-A 36"x 36"



SOFT SHOULDER  
W8-4 30"x 30"  
W8-4-A 36"x 36"



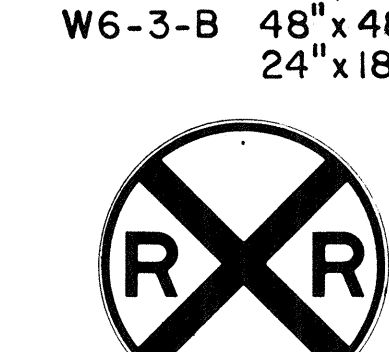
SLIPPERY WHEN WET  
W8-5 30"x 30"  
24"x 18"  
W8-5-A 36"x 36"  
24"x 18"



RIGHT LANE ENDS  
W9-1(R) 30"x 30"  
W9-1(R)-A 36"x 36"  
W9-1(R)-B 48"x 48"



LANE ENDS MERGE LEFT  
W9-2(L) 36"x 36"  
W9-2(L)-A 48"x 48"



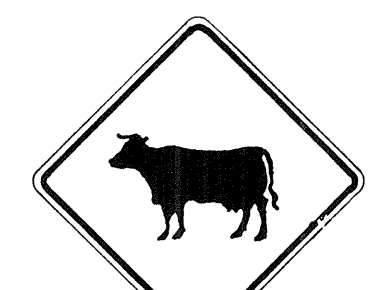
W10-1 36" Diameter



BIKE XING  
W11-1 30"x 30"  
24"x 18"  
W11-1-A 36"x 36"  
24"x 18"



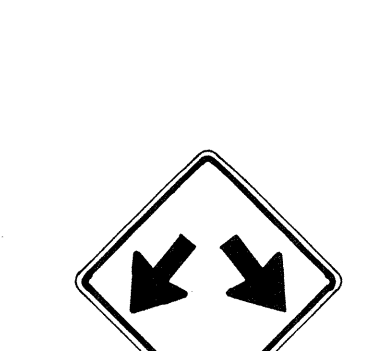
PED XING  
W11-2 30"x 30"  
24"x 18"  
W11-2-A 36"x 36"  
24"x 18"



CATTLE XING  
W11-4 30"x 30"  
24"x 18"  
W11-4-A 36"x 36"  
24"x 18"



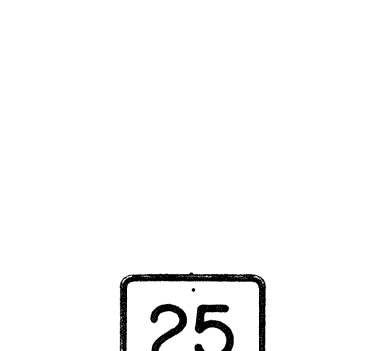
FARM MACHINERY  
W11-5 30"x 30"  
24"x 18"  
W11-5-A 36"x 36"  
24"x 18"



W12-1 24"x 24"  
W12-1-A 36"x 36"  
W12-1-B 48"x 48"



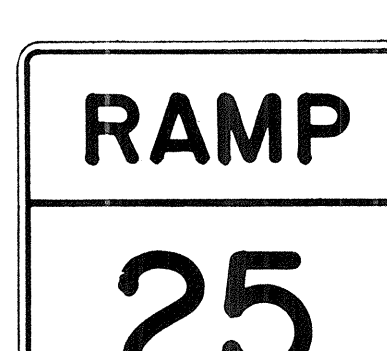
12'-6"  
LOW CLEARANCE  
W12-2(12'-6") 36"x 36"  
24"x 18"



25 M.P.H.  
W13-1(25) 18"x 18"  
W13-1(25)-A 24"x 24"



EXIT 25 M. P. H.  
W13-2(25) 48"x 60"



RAMP 25 M. P. H.  
W13-3(25) 48"x 60"



W14-1 30"x 30"



W14-3 36"x 48"x 48"

### GENERAL NOTES

- Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- All warning signs shall be reflectorized unless otherwise specified.
- All warning signs shall have 3/8" bolt holes drilled at appropriate locations.
- Numerals in ( ) indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.
- Signs prefixed with "CW" on the plans shall indicate orange and black construction signs, and shall be reflectorized.

APPROVAL RECOMMENDED:  
*Erich Tanaka* 3/11/12  
 TRAFFIC ENGINEER DATE

APPROVED:  
*Shirley R. Sisk* 3-20-12  
 ASSISTANT CHIEF, ENGINEERING DATE

| NO. | REVISION                                 | APPROVED BY | DATE     |
|-----|------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT 102 Approved 12-30-69 | H.T.        | 3/20/12  |
| 2   | Revised General Note 1                   | H.T.        | 10/16/14 |
| 3   | Revised General Note 5                   | Mt          | 9-16-75  |
| 4   | Revised General Note 5                   | H.T.        | 9-14-16  |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
LAND TRANSPORTATION FACILITIES DIVISION

STANDARD DETAILS  
WARNING SIGNS

NOT TO SCALE  
SHEET No. 3 OF 4 SHEETS DT 102

|               |                   |       |
|---------------|-------------------|-------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE  |
| NOTE BOOK     | DRAWN BY          | ***** |
| No.           | CHECKED BY        |       |
|               | QUANTITIES BY     |       |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-K-02-75 | 1978        | 7         | 7            |



CW20-1a 48" x 48"



CW20-2d 48" x 48"



CW20-3b 48" x 48"



CW20-4d 48" x 48"



CW20-5d(L) 48" x 48"



CW20-7c 48" x 48"



CW21-1 30" x 30"



CW21-2 30" x 30"



CW21-3 36" x 36"



CW21-4 36" x 36"



CW21-5 30" x 30"



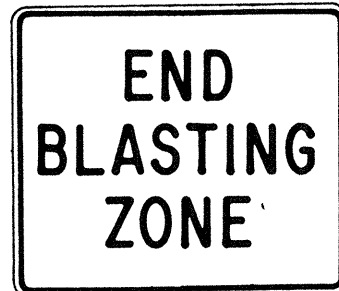
CW21-6 30" x 30"



CW22-1b 48" x 48"



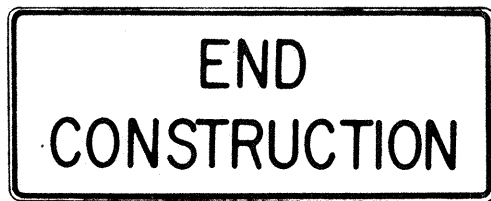
CW22-2 42" x 36"



CW22-3 42" x 36"



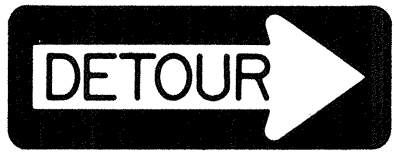
CG20-1(5) 60" x 36"



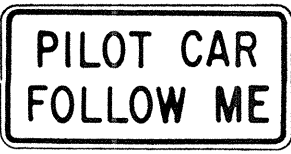
CG20-2 60" x 24"



CM4-9(R) 30" x 24"



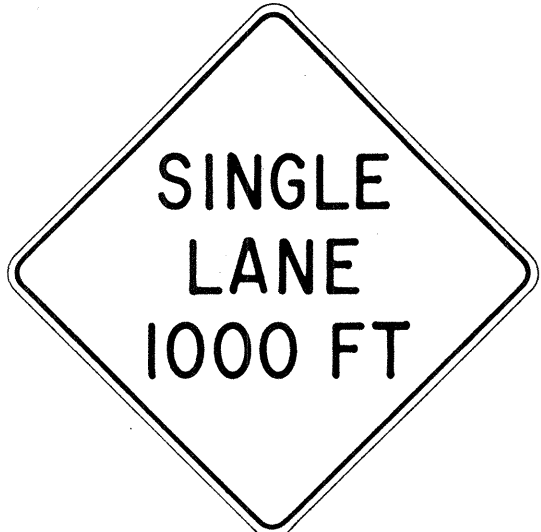
CM4-10(R) 48" x 18"



CG20-4 36" x 18"



CW23-1 36" x 36"



CW23-2b 48" x 48"



CW23-3(R) 48" x 48"

### GENERAL NOTES

- Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- All construction signs shall be reflectorized.
- All construction signs shall have 3/8" bolt holes drilled at appropriate locations.
- Numerals in ( ) indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.
- For "CW" series signs, suffixes a,b,c and d are as follows:  
a-1500 FT, b-1000 FT,  
c-500 FT and d-AHEAD.

| NO. | REVISION                                  | APPROVED BY | DATE     |
|-----|-------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT 104 Approved 12-30-69  | H.T.        | 3/23/72  |
| 2   | Revised General Note 1                    | H.T.        | 10/16/74 |
| 3   | Revised General Note 2                    | M.H.        | 9-16-75  |
| 4   | Revised General Note 2 and sign CG20-1(5) | H.T.        | 9-14-76  |

APPROVAL RECOMMENDED:  
Erich Tanaka 3/21/72  
TRAFFIC ENGINEER DATE

APPROVED:  
Walter Salsich 3/23/72  
ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
LAND TRANSPORTATION FACILITIES DIVISION  
  
**STANDARD DETAILS**  
**CONSTRUCTION SIGNS**

NOT TO SCALE

SHEET No. 4 OF 4 SHEETS DT 104

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DRAWN BY      | " "  |
| CHECKED BY    | " "  |
| DESIGNED BY   | " "  |
| QUANTITIES BY | " "  |
| CHECKED BY    | " "  |
| NO.           | " "  |