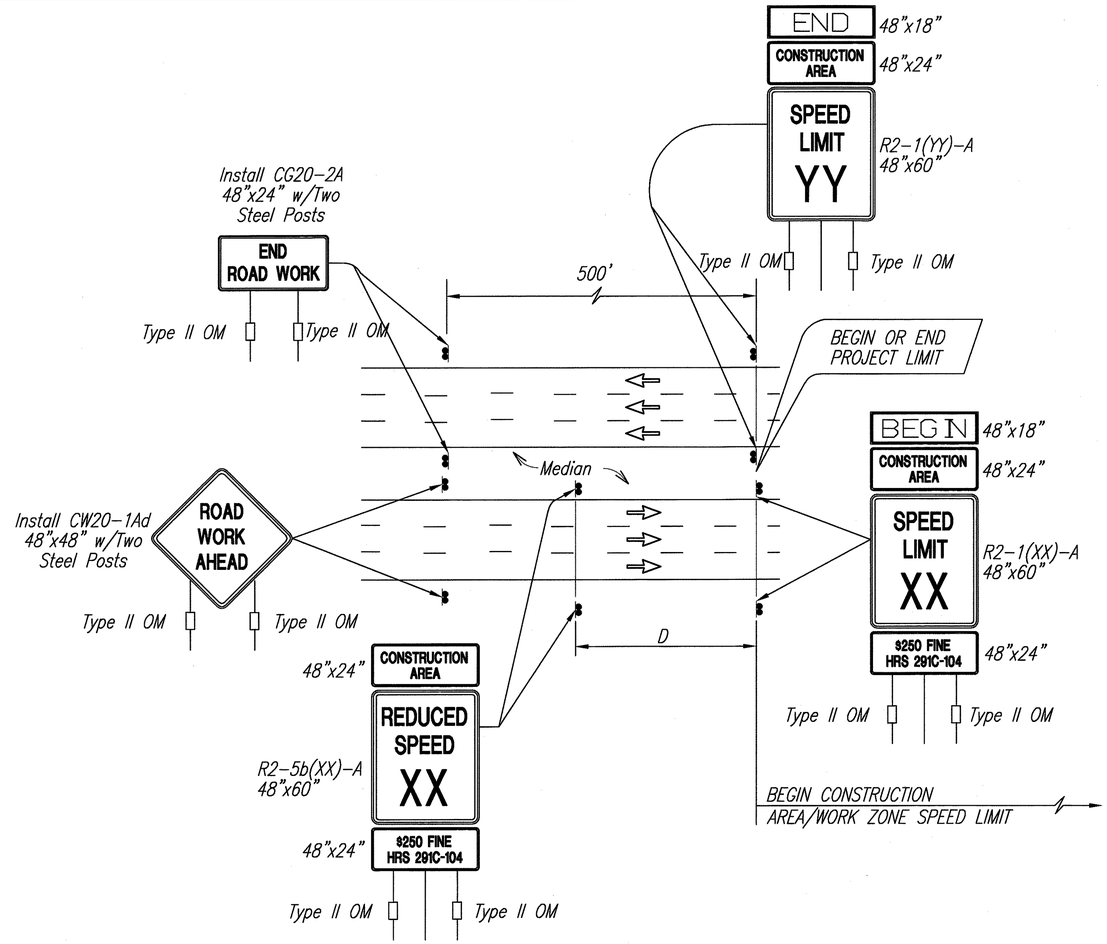
| FED. ROAD DIST. NO. | STATE | FED. AID. PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | NH-300(86)R | 2004 | 68 | 45 |




TYPICAL DETAIL FOR CONSTRUCTION SIGNS ON FREEWAY

DESIGNER NOTES

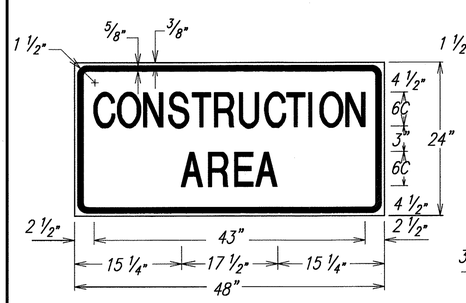
1. The Designer shall replace all XX, YY & D references with appropriate speed limit as indicated in Table I.
2. Speed Limit YY shall be the existing posted speed.

WORK ZONE NOTE

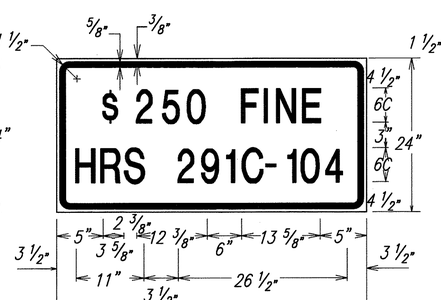
1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 Days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs within the work zone/project limits shall be covered and work zone speed limit sign assemblies (R2-1(XX)-A and R2-5b(XX)-A with "CONSTRUCTION AREA" and "$250 FINE HRS 291C-104" Supplemental Signs) shall be displayed during lane closure hours.
3. Upon the removal of the lane closure, all work zone speed limit signs shall be covered and existing speed limit signs within the work zone/project limits shall be restored.
4. Construction signs shall be installed on both the approaching and trailing ends of each work zone.
5. Each construction sign shall have a minimum of two (2)Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
6. All work zone speed sign assembly shall be mounted on three (3) 4.00 lbs./ft. galvanized flanged channel sign posts with a sign clearance height of five (5) feet. Sign stiffeners as specified by Standard Plan Sheet TE-02 shall be installed as needed or as directed by the Engineer.
7. The daily covering and uncovering of existing regulatory speed limit signs along with the installation, maintenance, removal and daily covering and uncovering of work zone speed limit sign assemblies shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.

TABLE I
GUIDELINE FOR ADVANCE PLACEMENT OF SPEED REDUCTION SIGN R2-5b(XX)-A, CONSTRUCTION AREA SPEED LIMIT

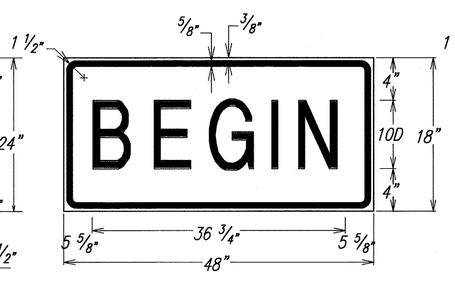
| EXISTING POSTED SPEED LIMIT (MPH) | XX-NEW CONSTRUCTION AREA SPEED LIMIT (MPH) | D-REDUCED SPEED LIMIT SIGN SPACING TO FIRST CONSTRUCTION AREA SPEED LIMIT SIGN (FEET) |
|---|---|---|
| 40 | 30 | 175 |
| 45 | 35 | 225 |
| 50 | 40 | 225 |
| 55 | 45 | 300 |
| 60 | 50 | 300 |



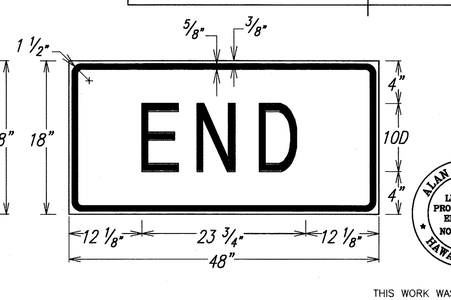

LEGEND: BLACK
BACKGROUND: ORANGE




LEGEND: BLACK
BACKGROUND: WHITE




LEGEND: BLACK
BACKGROUND: ORANGE




LEGEND: BLACK
BACKGROUND: ORANGE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

ALAN Y. TOMITA
LICENSED PROFESSIONAL ENGINEER
NO. 4129-C
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION SIGNS: FREEWAY WORK ZONE SIGNING PLAN, NOTES AND DETAILS**

INTERSTATE ROUTE H-1
EMERGENCY TELEPHONE ACCESSIBLE ROUTES
F.A. Project No. NH-300(86)R

Scale: As Shown Date: September 2003

SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | NOTE BOOK | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | No.

P:\Projects\01-Hwy\Emergency Call Box\DRAWINGS\PE-DESIGN\07-CONSIGNS.dwg September 2, 2003 12:16PM RoumCJ