

LANE CLOSURE PLAN USING TRAFFIC CONTROL SIGNALS
Not to Scale

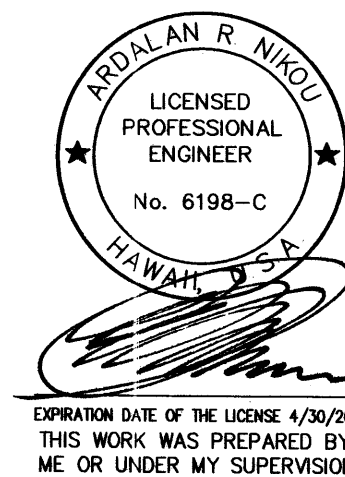
TYPICAL SECTION

NOTES:

1. For lane closure using traffic control signals, signage and distances shall be the same on both sides of the work area. The Contractor shall reverse layout for second phase of construction along the opposite side of the road.
2. End treatments for Portable Concrete Barriers shall be considered incidental to Item No 645.2000 – Additional Police Officers, Additional Traffic Control Devices, And Advertisement.
3. The Contractor shall consider the cost for removal and reinstallation of Portable Concrete Barriers, traffic control signs, etc. For construction phasing as included in the price of the various items, and will not be paid for separately.
4. The Contractor shall restore permanent pavement markings and signage to the pre-existing configuration upon completion of construction.
5. The Engineer will determine the location of this signal.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

AECOM



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

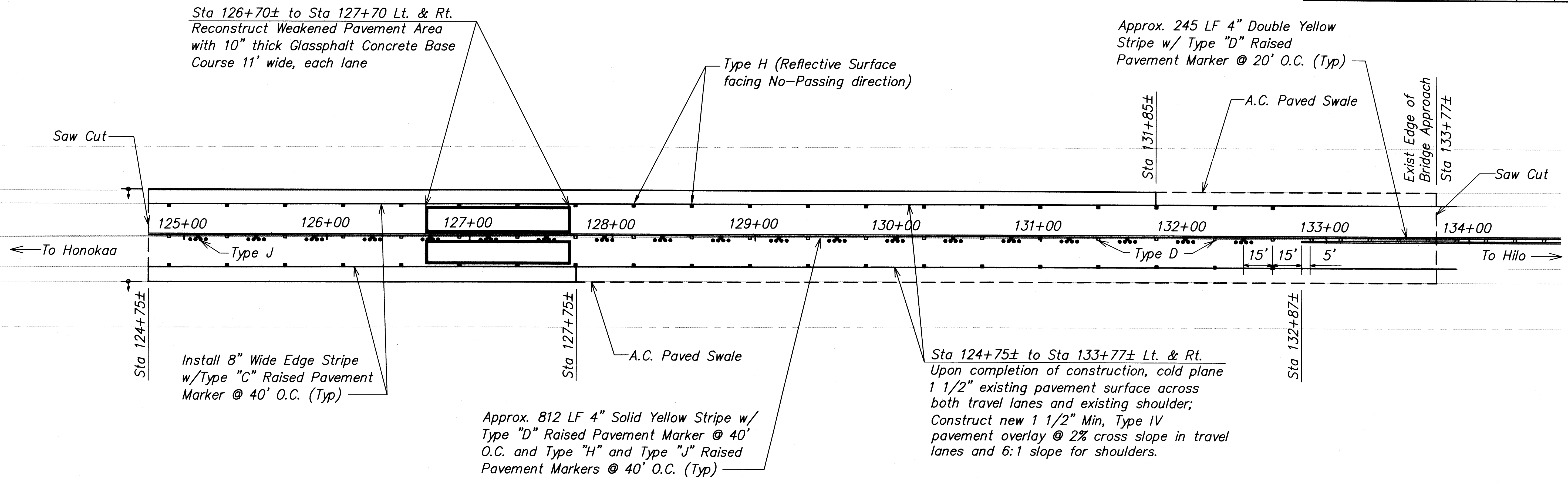
LANE CLOSURE PLAN

HAWAII BELT ROAD DRAINAGE
IMPROVEMENTS, HAKALAU BRIDGE
FEDERAL-AID PROJECT NO. STP-019-2(60)

Scale: As Noted Date: July 2010

SHEET No. 1 OF 3 SHEETS

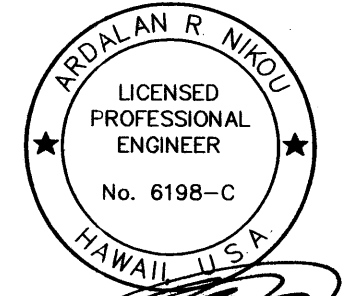
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	STP-019-2(60)	2010	18	36



PAVING & MARKING PLAN
Not to Scale

ORIGINAL PLAN	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
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NO. 29	
NO. 30	
NO. 31	
NO. 32	
NO. 33	
NO. 34	
NO. 35	
NO. 36	

AECOM



EXPIRATION DATE OF THE LICENSE 4/30/2012
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

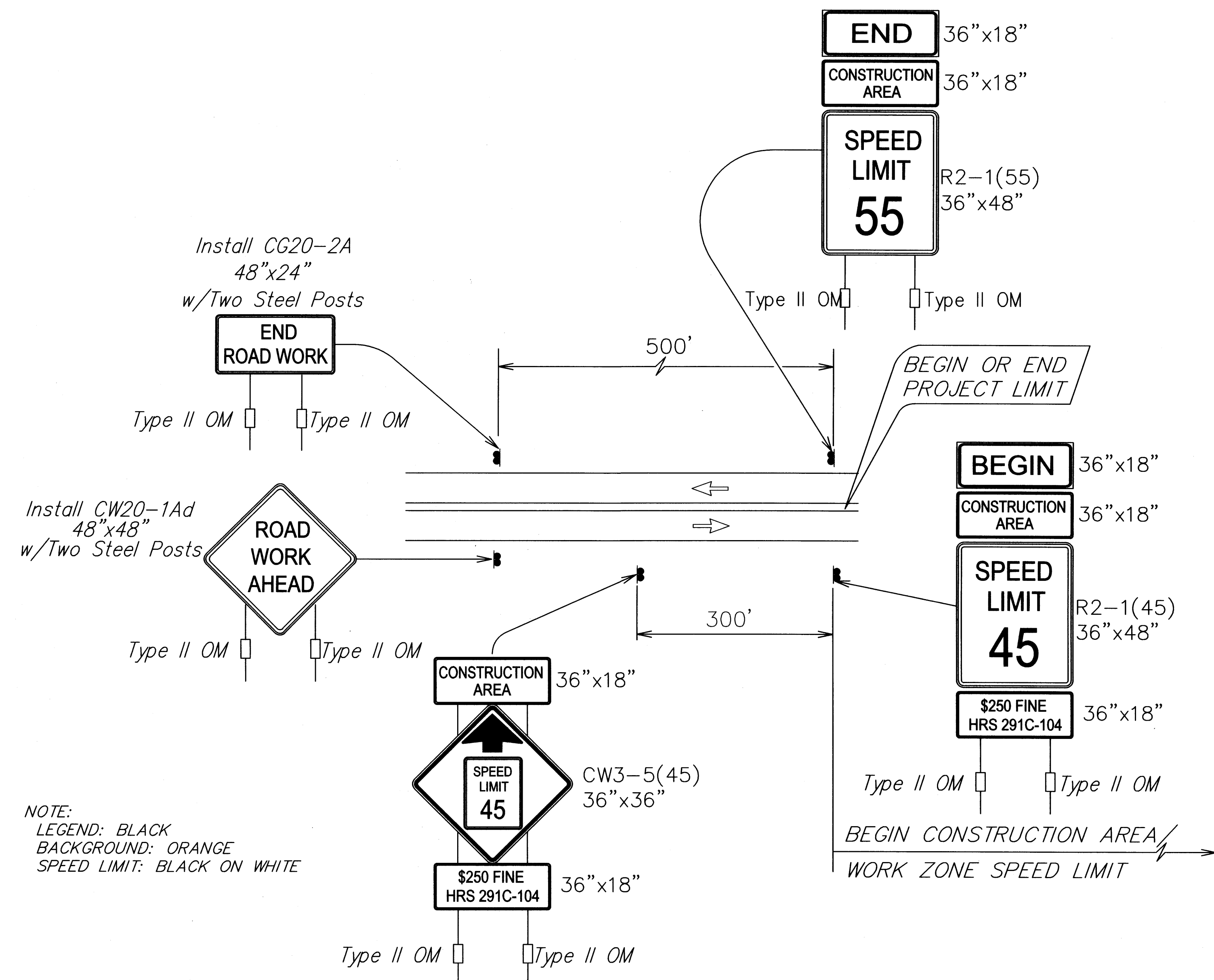
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVING & MARKING PLAN

*HAWAII BELT ROAD DRAINAGE
IMPROVEMENTS, HAKALAU BRIDGE
FEDERAL-AID PROJECT NO. STP-019-2(60)*

Scale: As Noted Date: July 2010

SHEET No. 2 OF 3 SHEETS

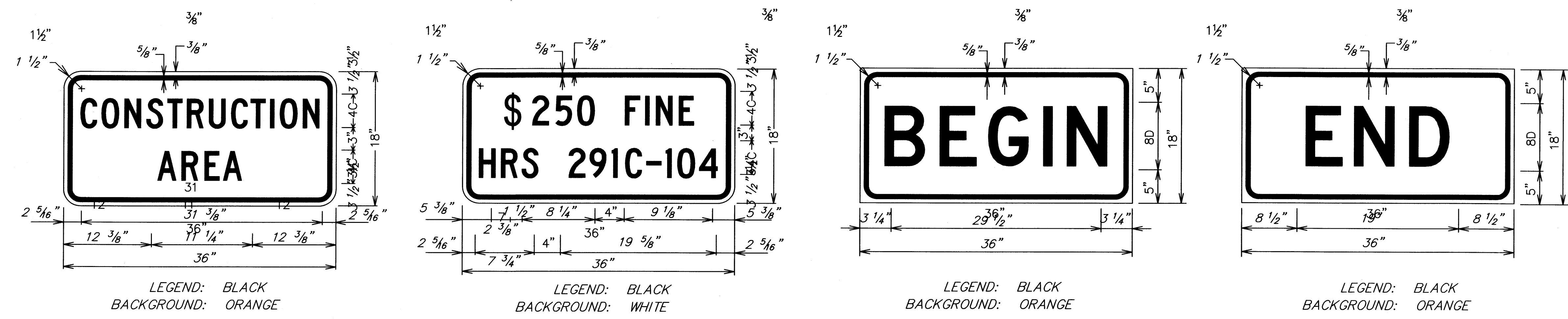


Work Zone Notes:

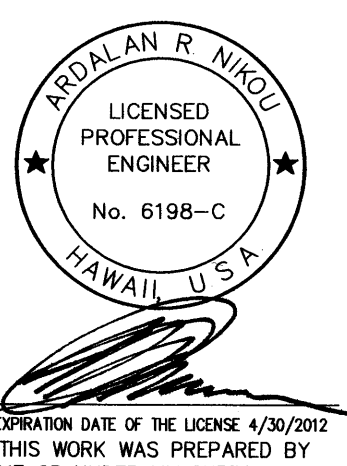
1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(XX) and CW3-5(XX) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).
3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
4. Each construction warning sign and work zone speed limit assembly 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.
5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.
6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
7. The removal and restoration of existing regulatory speed limit signs with new posts along with the installation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.

TABLE 1 GUIDELINE FOR ADVANCE PLACEMENT OF SPEED REDUCTION SIGN CW3-5(XX), 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)
45	35	225
50	40	225
55	45	300

TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON TWO LANE OR MULTILANE UNDIVIDED HIGH SPEED HIGHWAY



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGH SPEED UNDIVIDED HIGHWAY
WORK ZONE SIGNING
HAWAII BELT ROAD DRAINAGE
IMPROVEMENTS, HAKALAU BRIDGE
FEDERAL-AID PROJECT NO. STP-019-2(60)
Scale: As Noted Date: July 2010
SHEET No. 3 OF 3 SHEETS