

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	45	100

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. Only Traffic Control Plans for major construction activities are shown. The Contractor shall develop his own Traffic Control Plans in accordance with Section 645 of the Special Provisions for activities to complete work not covered by the Traffic Control Plans. The Contractor shall submit the Traffic Control Plans to the Engineer for approval. This work is included and paid under Pay Items 645.1000 Traffic Control - Hanalei Hills or 645.1001 Traffic Control - Waikoko.

2. The Contractor shall make minor adjustments to fit field conditions with approval of the Engineer.

3. Cones or delineators shall be extended to a point where they are visible to approaching traffic.

4. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.

5. Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.

6. Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 645-I of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.

7. All traffic lanes shall be minimum of 10 feet wide.

8. All signs shall be promptly removed or covered whenever the message is not applicable or not in use.

9. The backs of all signs for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).

10. At the end of each day's work or as soon as the work is completed, the Contractor shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.

11. Existing conflicting pavement markings shall be removed and temporary pavement markings shall be installed before traffic patterns are changed.

12. The locations of pavement markings, signs, and delineators used in the Traffic Control shall be as shown on the plans, Contractor's approved Traffic Control Plans, and/or as determined in the field by the Engineer.

13. Damage to signs, temporary pavement markers, and delineators caused by the public or Contractor's negligence shall be repaired or replaced by the Contractor at the Contractor's expense.

14. Signs for night work shall be retroreflective and shall be mounted with a Type B high intensity flasher. The flasher shall be considered incidental to Pay Items 645.1000 Traffic Control - Hanalei Hills or 645.1001 Traffic Control - Waikoko.

15. Steel plates for covering trenches shall have a skid resistant surface. The skid resistant surface shall be maintained throughout its use. Steel plates shall be installed in such a manner as to minimize movement from its intended location and minimize noise when traffic crosses over it (i.e., steel plates shall not generate any noise impact). Payment for steel plates shall be considered incidental to the various contract items. Steel plates will not be allowed in the travelway for posted speeds in excess of 35 mph.

16. The Contractor shall limit the extent of trench and excavation work for pavement reconstruction to an area that can be satisfactorily backfilled in one work day.

17. Work zone limits shown for each traffic control phase encompass all work items to be completed in that particular phase. The length of the work zone may be reduced to accommodate the Contractor's actual work zone for that time period, provided it has been accepted by the Engineer, and all tangents, tapers, and buffer lengths are maintained.

18. The Contractor will be restricted to lane closures as specified in Special Provision Section 645.

19. All temporary signs shall be marked on their back side with the Contractor's name and the project number.

20. All Type II Barricades and Positive Protection Barriers shall include one Steady Burn Warning Light. Payment shall be considered incidental to Pay Item 645.1001 Traffic Control - Waikoko.
- LEGEND:
- Work Area

Traffic Cones

Flagman

Sign

Direction of Traffic

Positive Protection Barrier

Terminal Impact Attenuator

Temporary Portable Traffic Signal

Portable Message Board

Type II Barricade
- | | | |
|------------------|-------------------------|------------|
| ORIGINAL
PLAN | SURVEY PLOTTED BY _____ | DATE _____ |
| | DRAWN BY _____ | _____ |
| | DESIGNED BY _____ | _____ |
| | QUANTITIES BY _____ | _____ |
| NOTE BOOK | No. _____ | |
- RANDALL M. URASAKI

LICENSED
PROFESSIONAL
ENGINEER

No. 7269-C

HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

04/30/24

SIGNATURE

EXPIRATION DATE
OF THE LICENSE
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

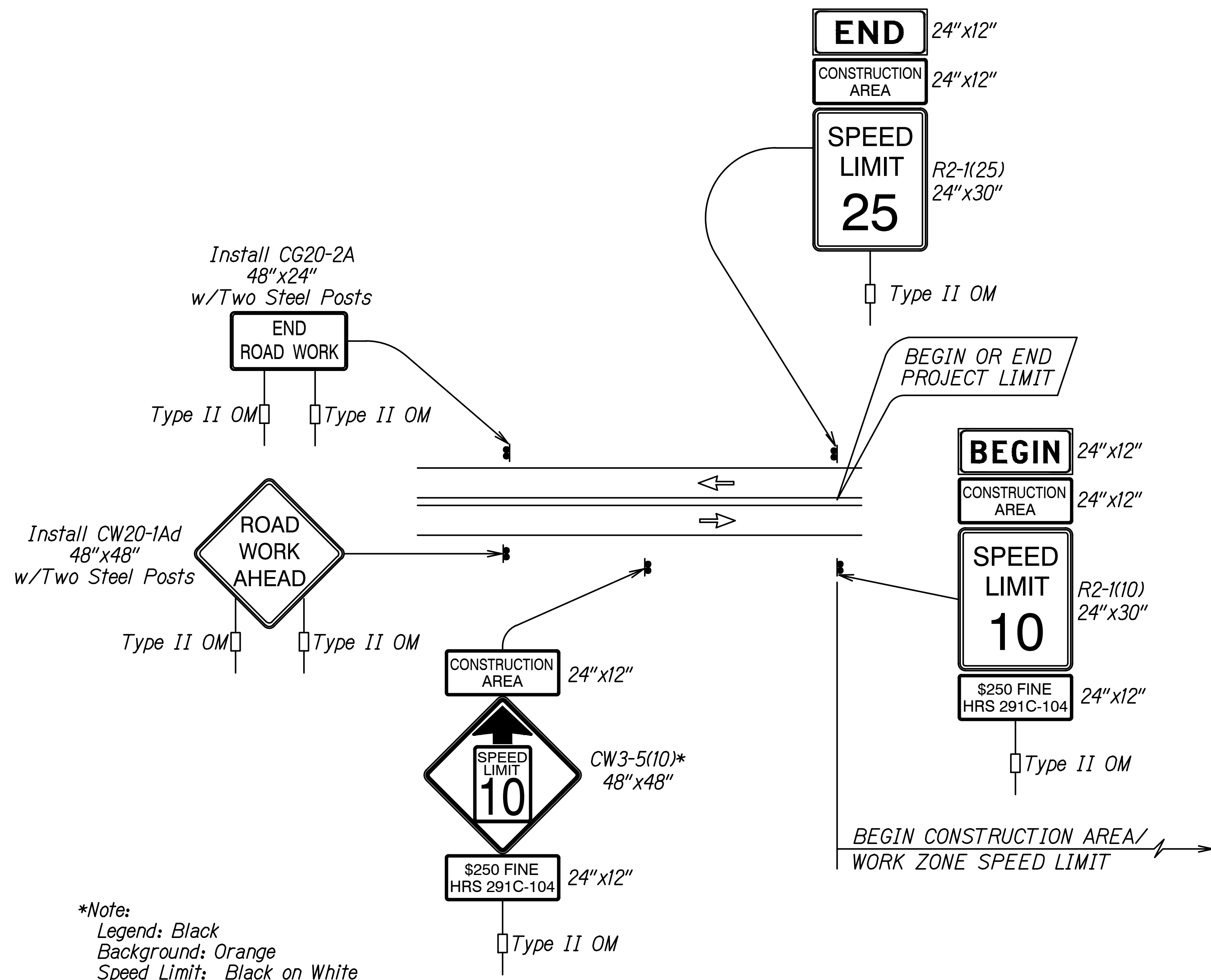
TRAFFIC CONTROL NOTES

KUHIO HIGHWAY
Emergency Slope Stabilization
for Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)

Scale: NoneDate: Sept. 2022

SHEET No. TC-1 OF 10 SHEETS
- 45

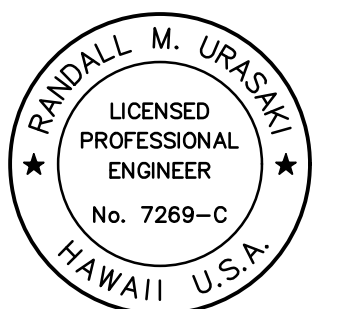
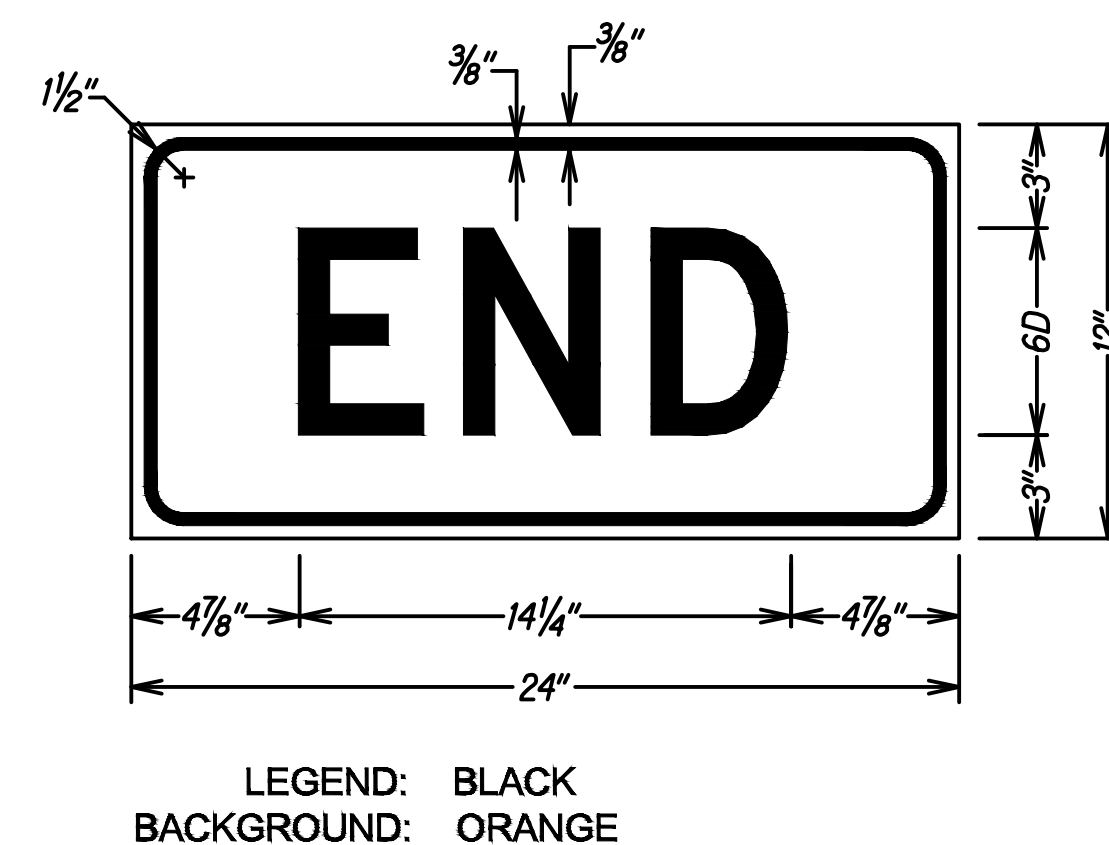
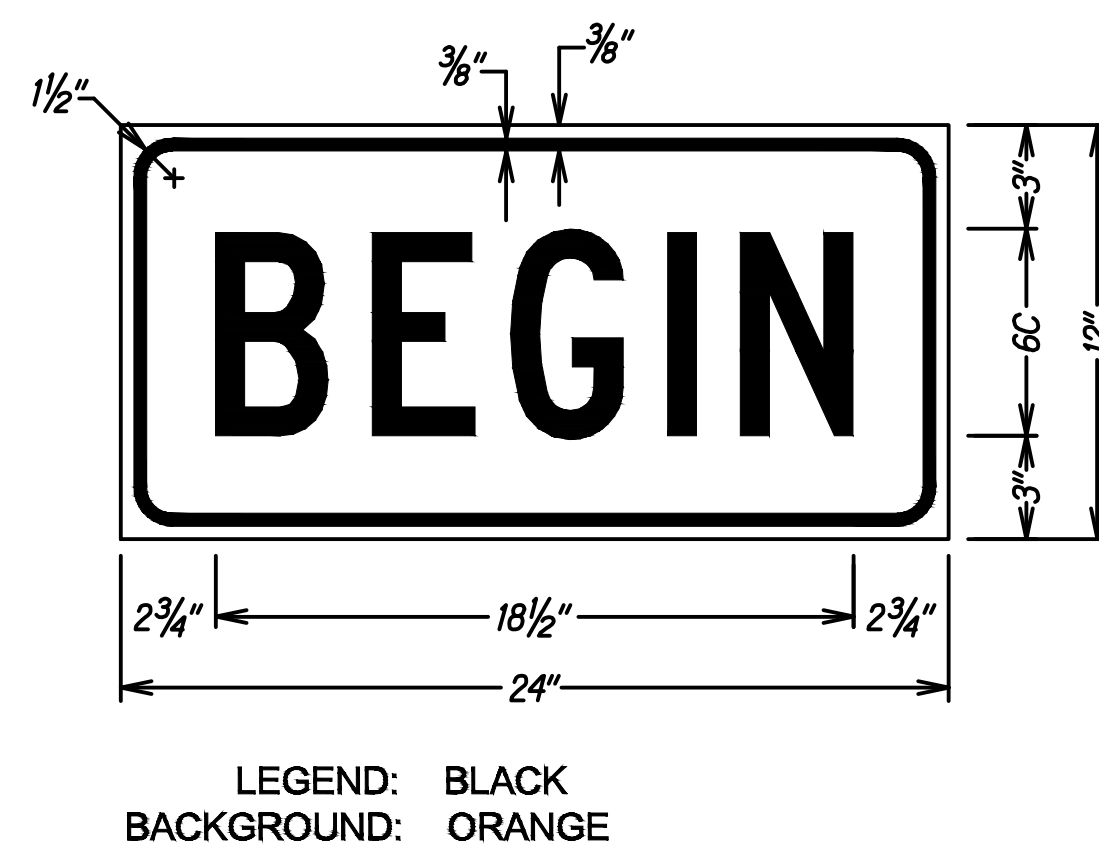
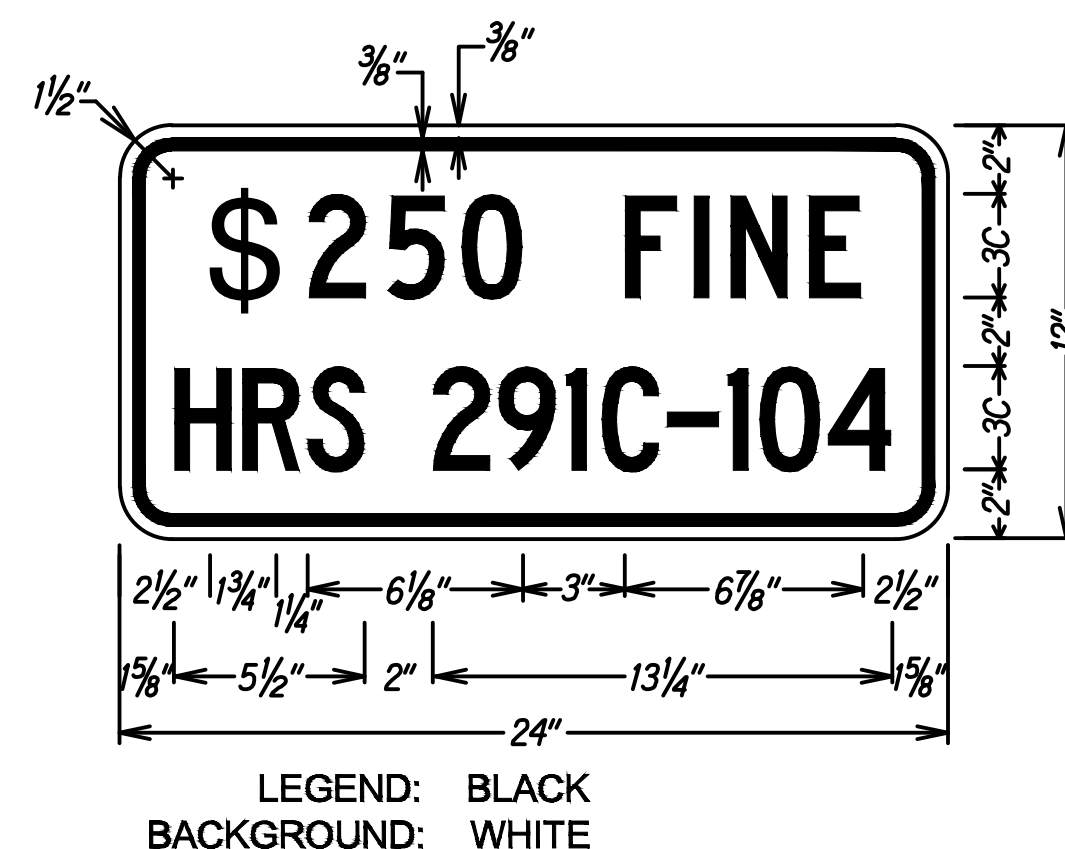
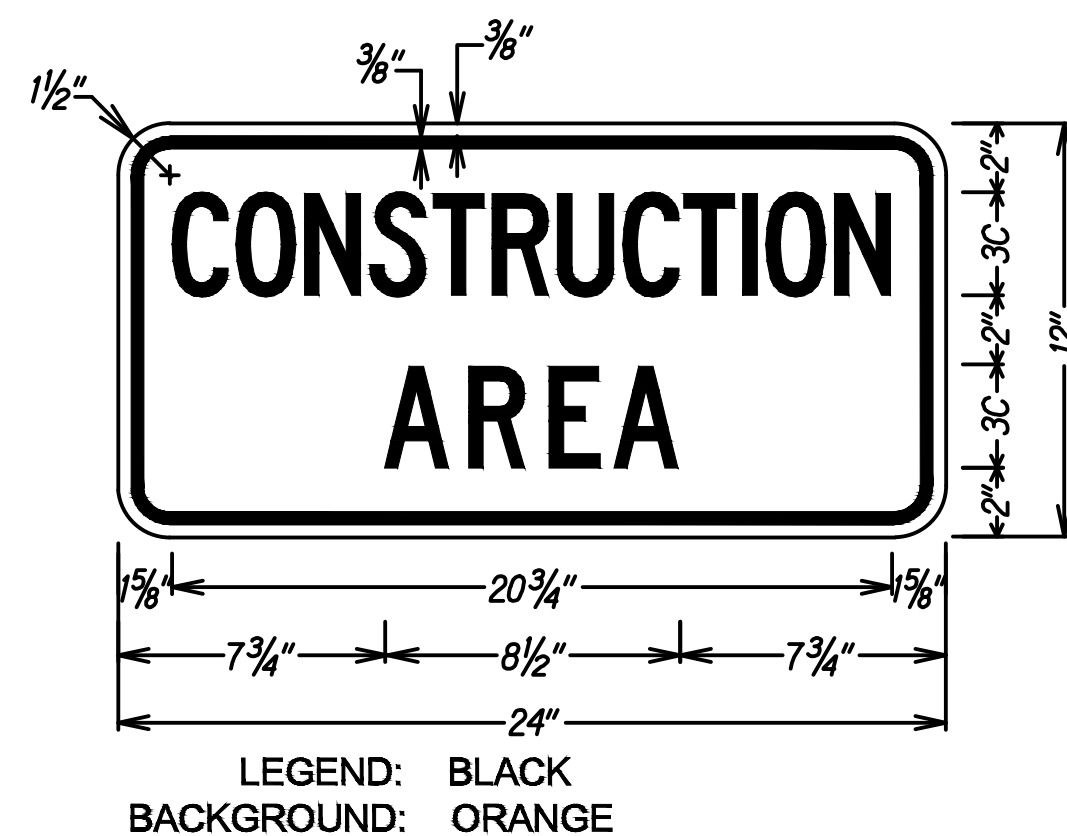
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON TWO LANE OR MULTILANE UNDIVIDED LOW SPEED HIGHWAY

Work Zone Notes:

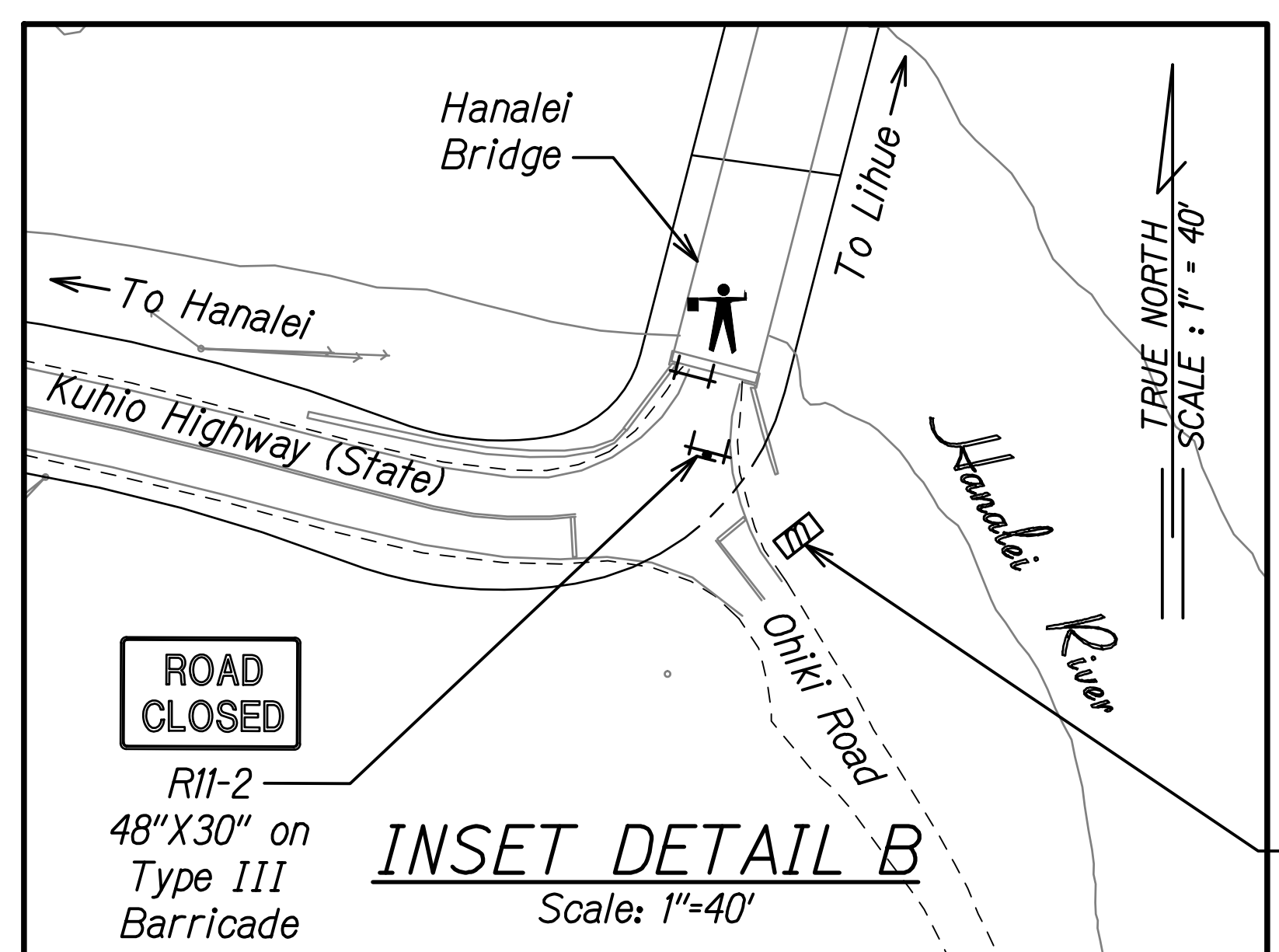
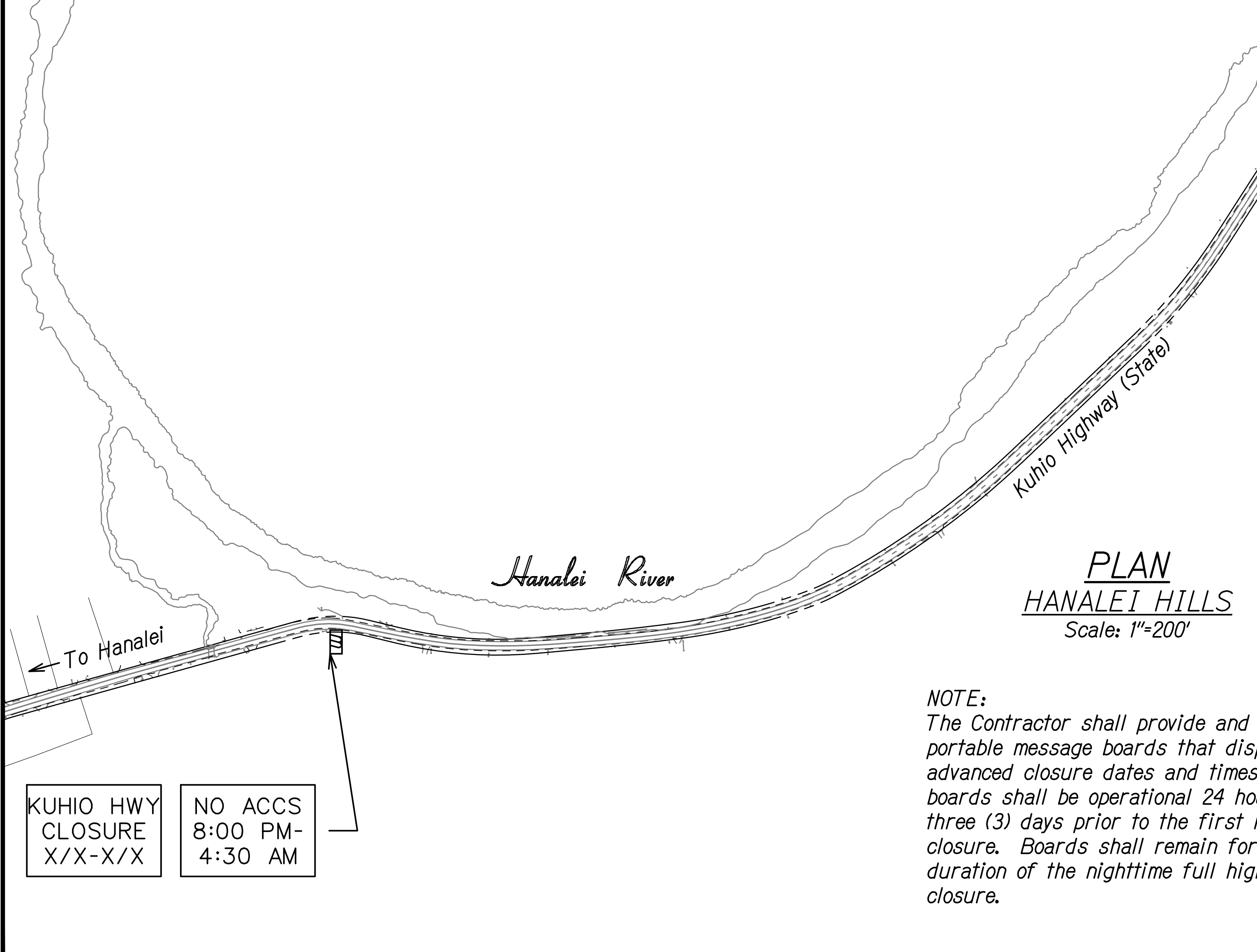
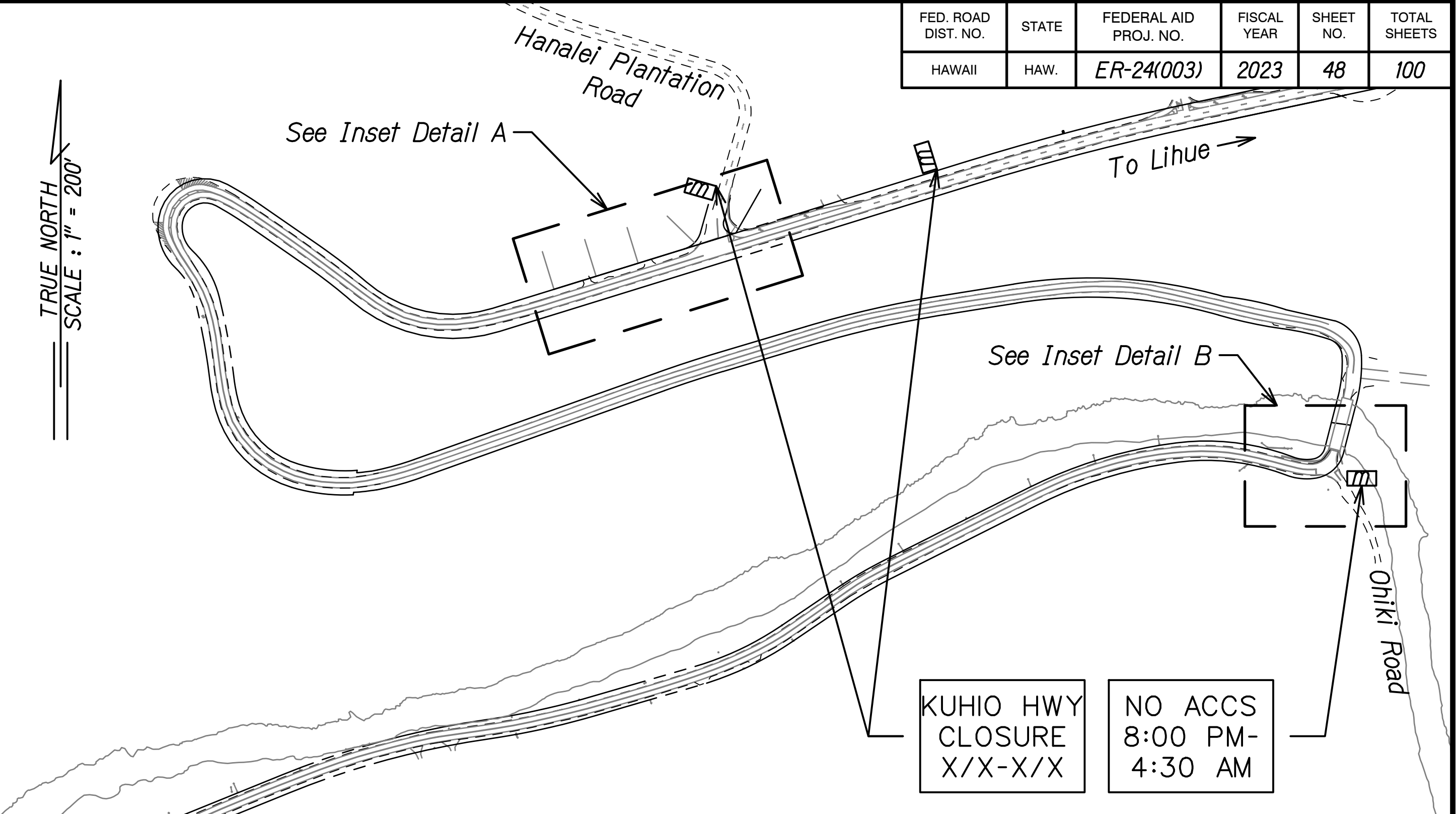
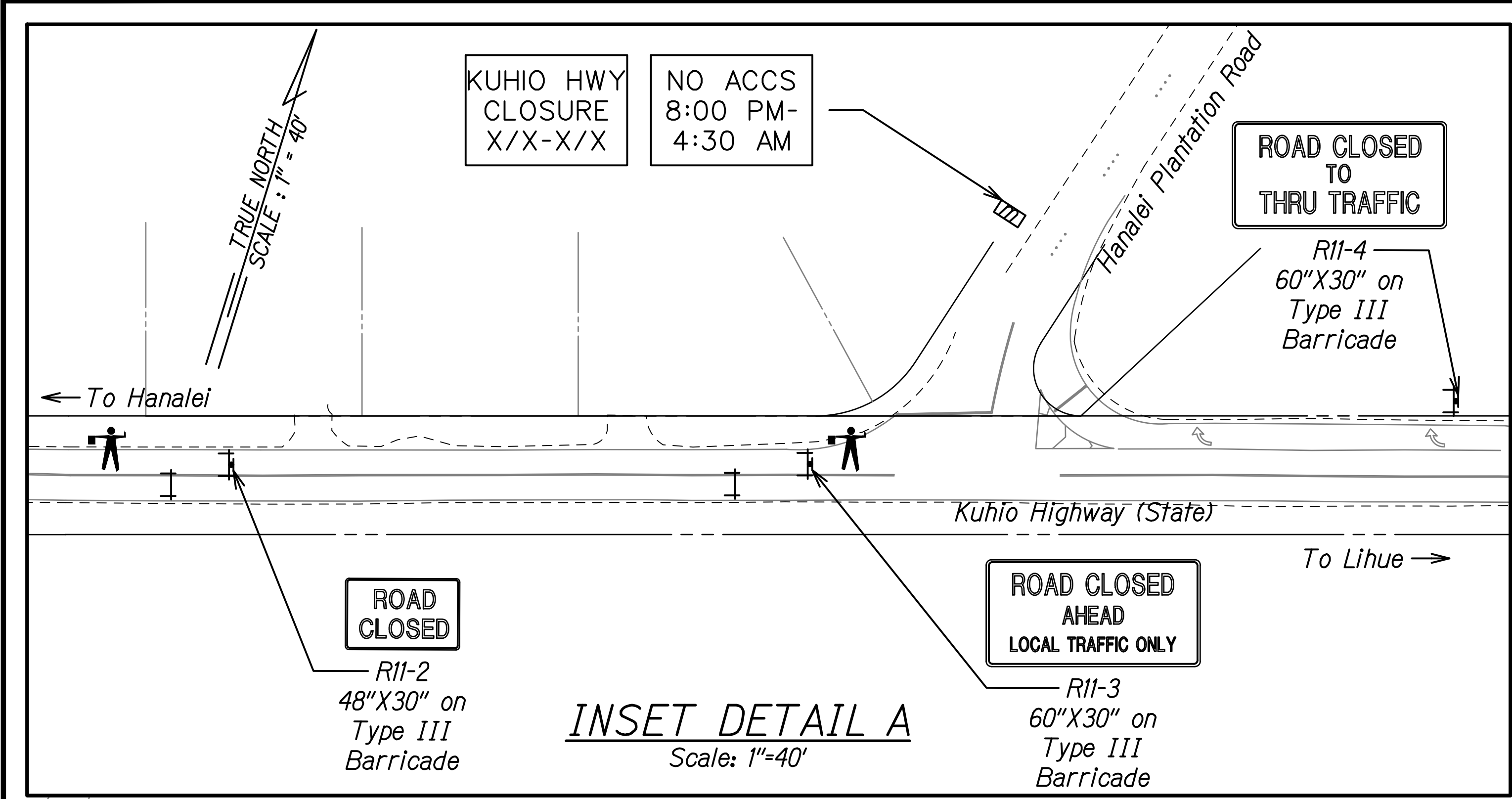
1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(10) 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 shall have a minimum of two (2) Type II OM. Each work zone speed limit assembly shall have a minimum of one (1) Type II OM. Installation of each Type II OM shall be considered incidental to Pay Item No. 645.1000 Traffic Control - Hanalei Hills or 645.1001 Traffic Control - Waikoko.
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 shall be considered incidental to Pay Item No. 645.1000 Traffic Control - Hanalei Hills or 645.1001 Traffic Control - Waikoko.
8. The installation, maintenance and removal of work zone speed limit signs shall be paid for under Pay Item No. 645.1000 Traffic Control - Hanalei Hills or 645.1001 Traffic Control - Waikoko.
9. The work zone speed limit signs shall be new and become the property of the Contractor.
10. The Contractor shall adjust the locations of work zone signs to correspond with the beginning and end of work zone limits for each phase. Relocation of work zone signs shall be considered incidental to Pay Item No. 645.1000 Traffic Control - Hanalei Hills or 645.1001 Traffic Control - Waikoko.
11. For sign location and speed limits, see Traffic Control Plan.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Signature: *R. Urasky* 04/30/24
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
LOW SPEED UNDIVIDED HIGHWAY WORK ZONE SIGNING PLAN, NOTES & DETAILS	
KUHIO HIGHWAY Emergency Slope Stabilization for Hanalei Hills and Waikoko F.A.P. Project No. ER-24(003)	
Scale: None	Date: Sept. 2022
SHEET No. TC-2 OF 10 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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NOTE:
The Contractor shall provide and maintain portable message boards that display advanced closure dates and times. The boards shall be operational 24 hours a day three (3) days prior to the first highway closure. Boards shall remain for the duration of the nighttime full highway closure.

- LEGEND**
- Portable Message Board
 - Type III Barricade
 - Sign
 - Flagman

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Randall M. Urasaki
SIGNATURE
EXPIRATION DATE OF THE LICENSE: 04/30/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
ROADWAY FULL CLOSURE

KUHIO HIGHWAY
Emergency Slope Stabilization
F.A.P. Project No. ER-24(003)

Scale: As Shown Date: Sept. 2022

SHEET No. TC-4 OF 10 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	53	100

