

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 acceptance. Payment for development and implementation of the Traffic Control Plans shall be included in pay item 645.1000 - Traffic Control.
2. All lane closures and traffic pattern changes (detours) not shown on the plan shall be submitted to the Engineer for acceptance in accordance with Specifications Section 645 - Work Zone Traffic Control. For restrictions on lane closures, detours, construction work during peak hours, and other requirements regarding maintaining vehicular and pedestrian traffic, see Subsection 107.03 - Working Hours; Night Work and Section 645 - Work Zone Traffic Control.
3. The Contractor shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
4. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
5. 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.
6. Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.
7. Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 645-1 - For Traffic Control Plan of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.
8. All traffic lanes shall be a minimum of 10 feet wide.
9. All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
10. 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).
11. Replace permanent pavement markings and traffic signs that are missing, damaged, or have been removed upon completion of each day's work. Payment for replacing permanent pavement markings and signs shall be considered incidental to the various contract items.
12. 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.
13. The locations of pavement markings, signs, and delineators used in the Traffic Control shall be as shown on the plans, Contractor's accepted Traffic Control Plans, and/or as determined in the field by the Engineer.
14. Damage to signs, pavement markers, and delineators caused by the public or Contractor's negligence shall be repaired or replaced by the Contractor at no cost to the State.
15. The Contractor shall provide all sign supports, barrier mounting brackets, and/or posts for construction warning signs.

16. The Contractor shall provide and maintain three (3) portable message boards to provide advanced warning of the lane closures. The message boards' location to be determined by the Engineer for each construction phase. Message boards shall display closure dates and times and shall be operational 24 hours a day for three (3) days prior to the first lane closure. Signs shall remain for the duration of the project. The Contractor shall provide appropriate traffic control devices (barricades, cones, etc.) to protect the message boards. Installation, maintenance, and removal of message boards shall be paid under Pay Item No. 645.1000 - Traffic Control.
17. The Contractor shall furnish, install, maintain, and remove all traffic control devices shown on the traffic control plans. Payment for all work shown, including furnishing all police officers shown on the traffic control plans, shall be under Pay Item No. 645.1000 - Traffic Control.
18. The Contractor shall sequence the work to allow access to the driveways and side streets. The Contractor shall provide all traffic control devices, including police officers, necessary to maintain driveway and side street access. In the case where a landowner has multiple vehicle access points that are internally connected, one access point may be temporarily shut down with two week notice to the landowner/lessee. The Contractor shall submit the Traffic Control Plans to the Engineer for acceptance. Payment for development and implementation of the Traffic Control Plans shall be included in pay item 645.1000 - Traffic Control.
19. Cones or delineators shall be installed at 10' o.c. maximum.
20. Working hours shall be limited to Monday thru Friday between 8:00 am and 4:00 p.m. Night work shall not be allowed.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

(WITHIN CITY R/W)

1. The Permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
2. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
3. Traffic control devices shall be installed such that the sign or device farthest from the work area is placed first. The others shall then be placed progressively toward the work area.
4. Regulatory and Warning Signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered.
5. Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
6. All traffic lanes shall be a minimum of 10 feet wide.
7. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
8. 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).

9. Lane closure shall be limited only to the extent of accomplishing each day's work. As soon as each day's work is completed, the Permittee 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. Existing faded or obliterated pavement markings that are necessary for safe traffic flow in the construction area shall be replaced with temporary or permanent markings before opening the roadway to public traffic each day.
10. Permanent pavement markings and traffic signs shall be replaced upon completion of each phase of work.
11. Cones or delineators shall be installed at 10' o.c. maximum.
12. Driveways shall be kept open unless the owners of the property using the driveway are otherwise provided for satisfactorily. Further, the Permittee shall control traffic going into and out of driveways.
13. Buffer and taper area on approach to any work area shall be kept clear of vehicles and equipment.
14. A high level warning device (flag tree) shall be installed on approach to all work areas.
15. "No Parking" signs shall be posted within any work area and for the buffer and taper areas approaching the work area.
16. Working hours shall be limited to Monday thru Friday between 8:00 am and 4:00 p.m. Night work shall not be allowed.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	59	99

DATE	000000
SURVEY PLOTTED BY	
ORIGINAL PLAN	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

JOSEPH R. SALVADOR

LICENSED PROFESSIONAL ENGINEER

No. 14094-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TRAFFIC CONTROL NOTES

KAMEHAMEHA HIGHWAY

INTERSECTION IMPROVEMENTS

AT KAHAKILI HIGHWAY

Federal-Aid Project No. NH-083-1(082)

Scale: None

Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	60	99

Work Zone Note:

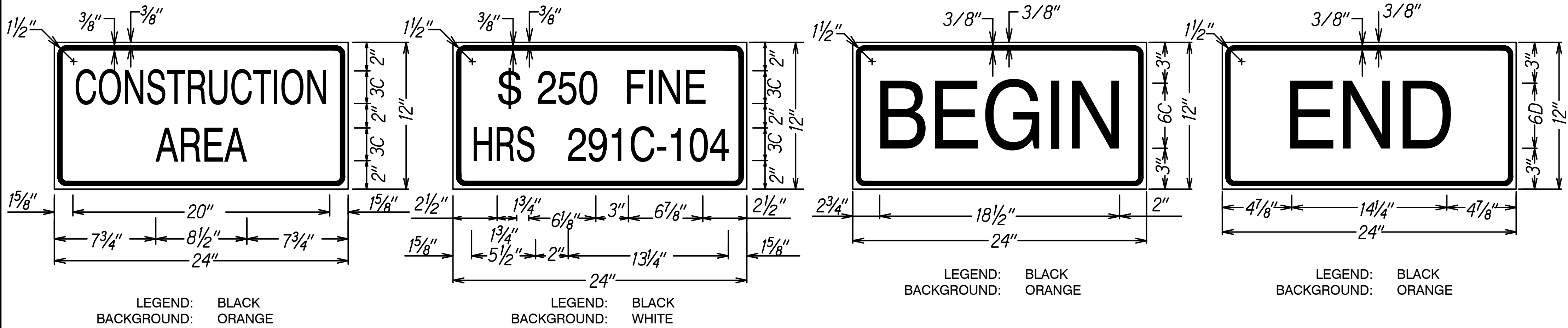
1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(XX) and R2-5b(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 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 Item No. 645.1000 - Traffic Control.
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 Item No. 645.1000 - Traffic Control.
8. The installation, maintenance and removal of work zone speed limit signs shall be paid for under Item No. 645.1000 - Traffic Control.
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 Item No. 645.1000 - Traffic Control.

TABLE I

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

YY - 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)
≤25	25	EXIST. SPEED LIMIT TO REMAIN
30	25	100
35	25	175
40	30	175

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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**LOW SPEED UNDIVIDED HIGHWAY
WORK ZONE SIGNING PLAN, NOTES & DETAILS**

KAMEHAMEHA HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAHAKILI HIGHWAY
Federal-Aid Project No. NH-083-1(082)

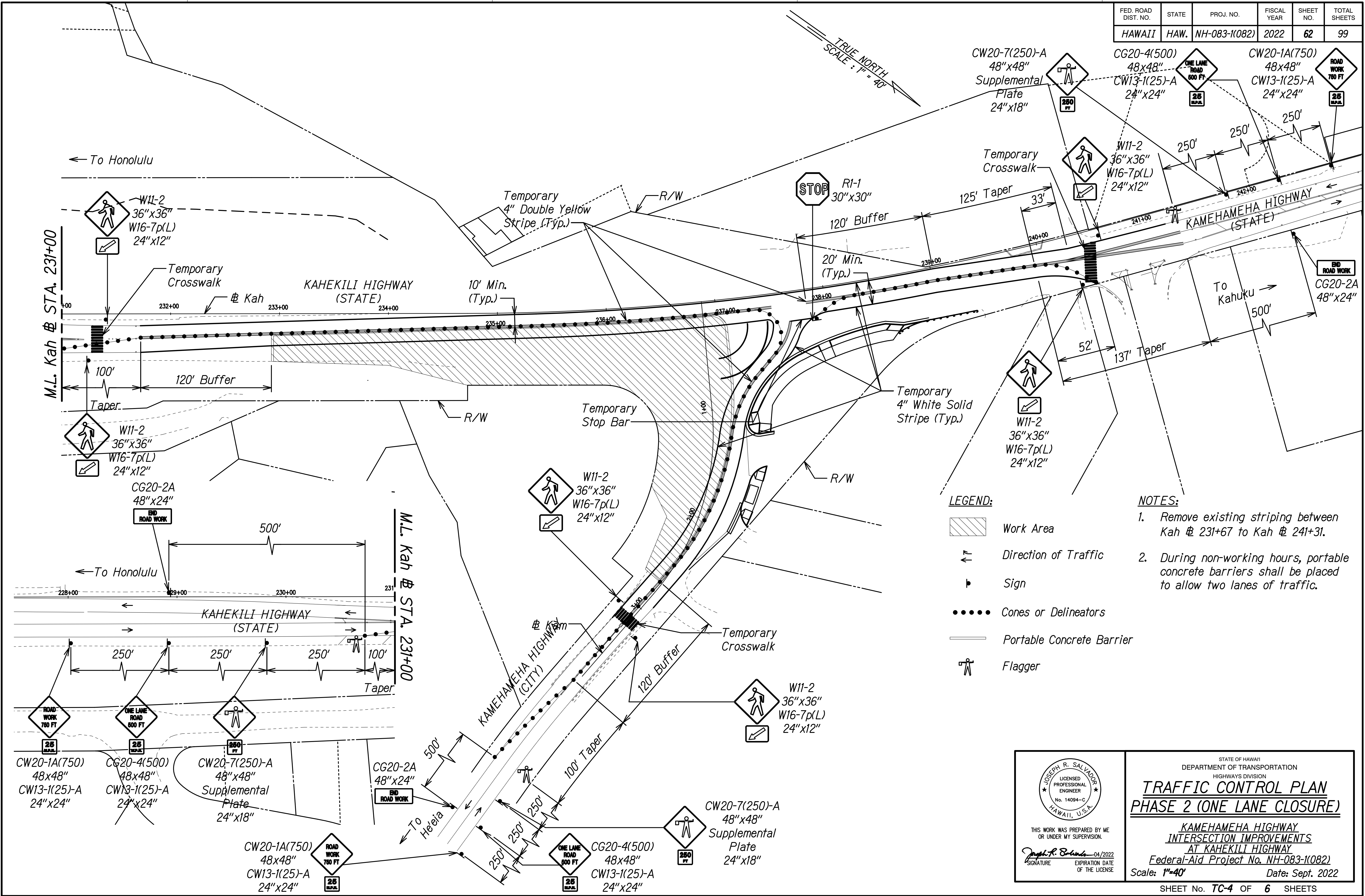
Scale: None Date: Sept. 2022

JOSEPH R. SALVADOR
LICENSED PROFESSIONAL ENGINEER
No. 14094-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Signature: *Joseph R. Salvador* EXPIRATION DATE OF THE LICENSE: 04/2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	62	99



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

