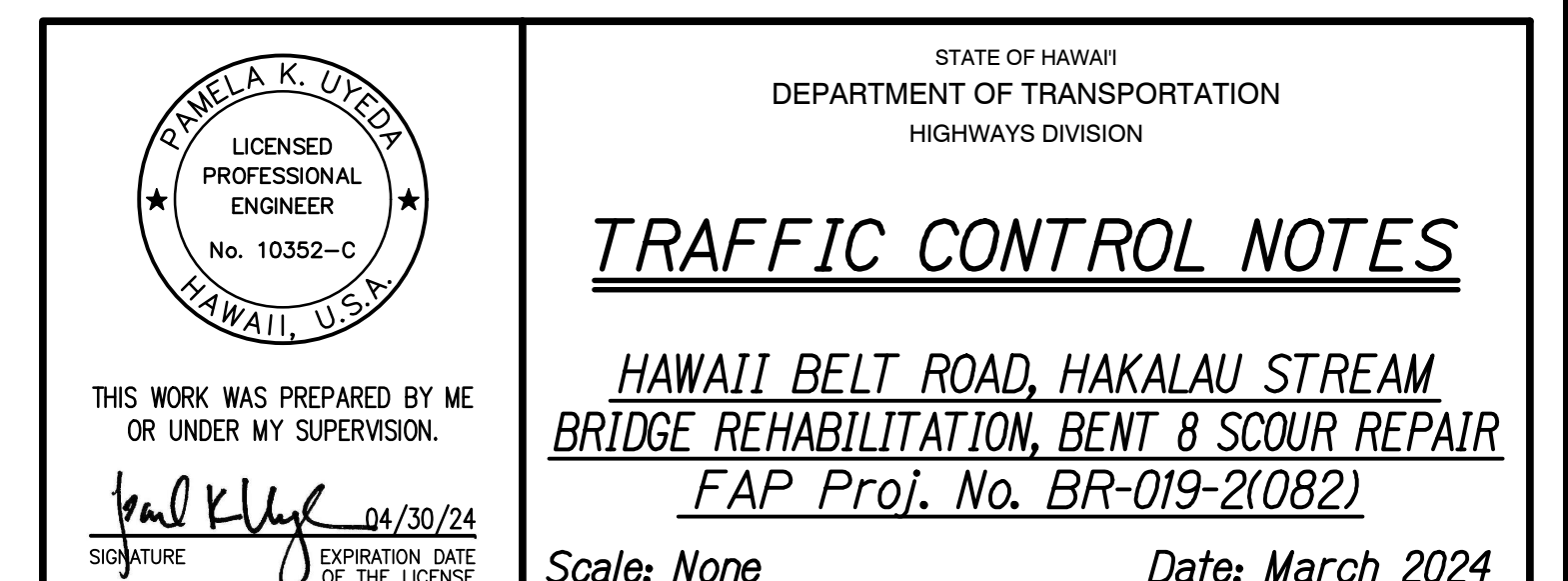


GENERAL NOTES FOR TRAFFIC CONTROL PLAN  
(STATE R/W):

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
<i>HAWAII</i>	<i>HAW.</i>	<i>BR-019-2(082)</i>	<i>2024</i>	<i>11</i>	<i>25</i>

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 the various traffic control pay items.
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. Flaggers and/or police officers working at night shall be illuminated as required by the MUTCD.
7. Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 1 of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.
8. All traffic lanes shall be 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. 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.
12. Replace permanent pavement markings and traffic signs upon completion of each phase of work. Temporary pavement markings and traffic signs shall be used in the interim.
13. 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.
14. Damage to signs, pavement markers, and delineators caused by the Contractor's negligence shall be repaired or replaced by the Contractor as directed by the Engineer at no cost to the State.
15. Signs for night work shall be retroreflective and shall be mounted with a Type B high intensity flasher. The sign and flasher will be paid under the various traffic control pay items.
16. The Contractor shall provide all sign supports, barrier mounting brackets, and/or posts for construction warning signs.
17. The Contractor shall furnish, install, maintain, and remove all traffic control devices shown on the traffic control plans.

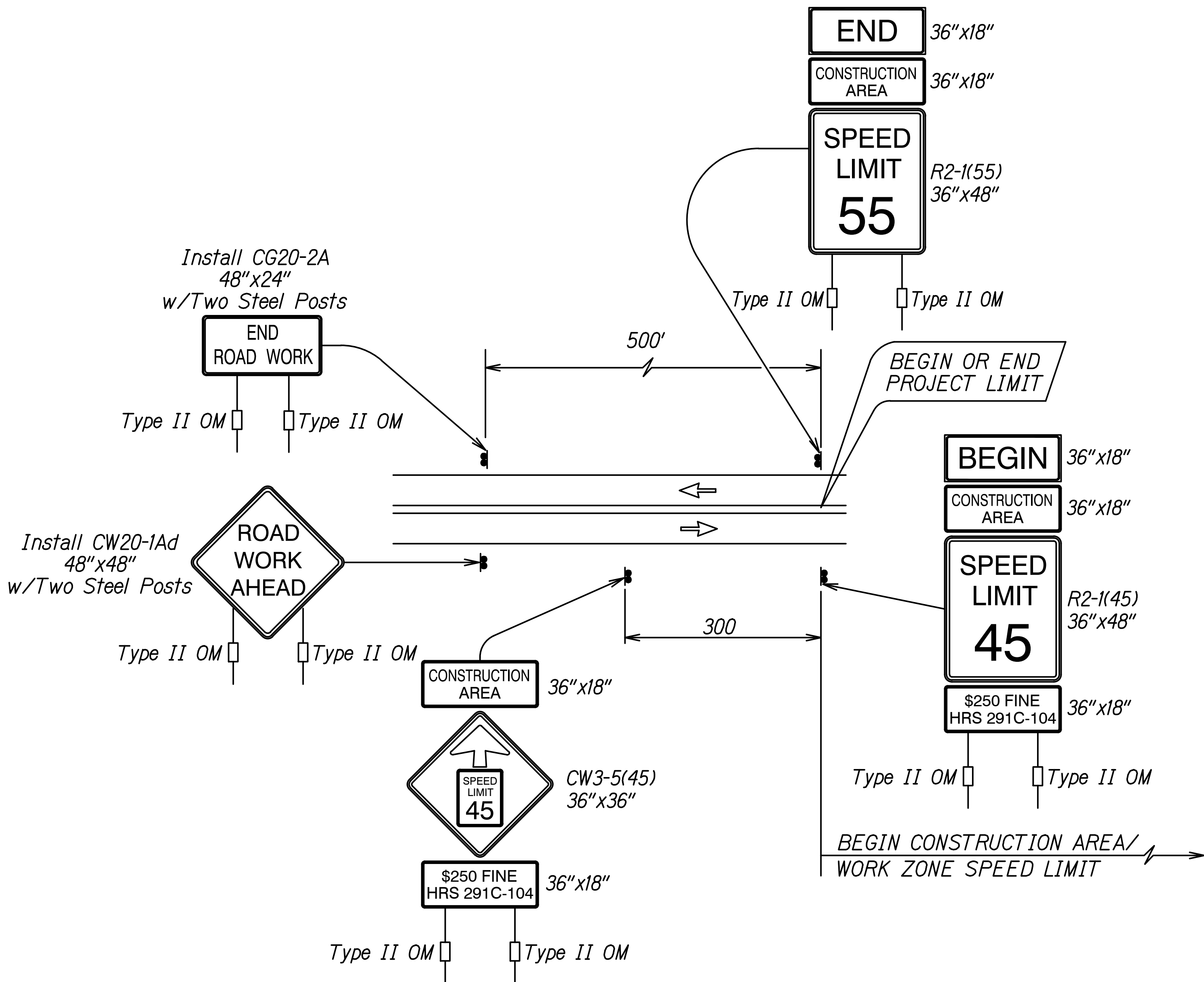
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	



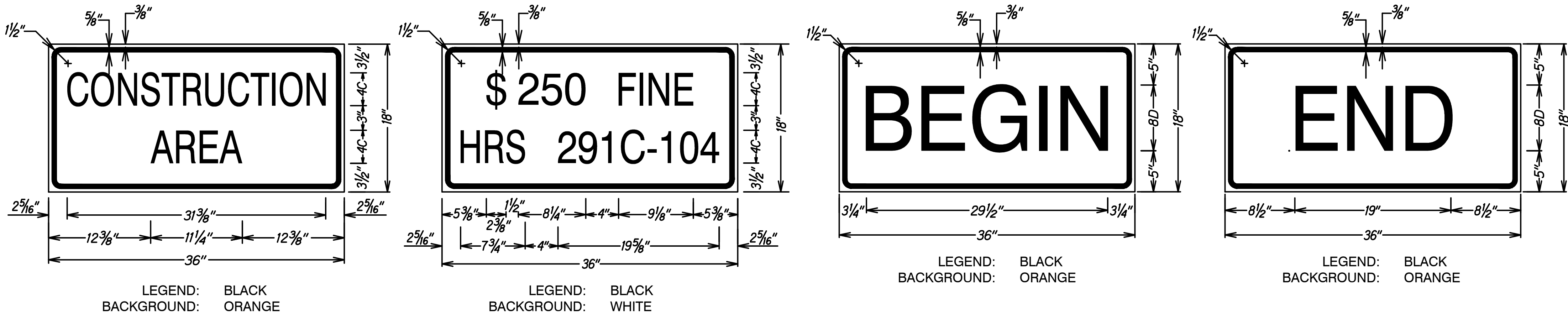
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	12	25

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(45) and CW3-5(45)) 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. 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.



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



<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><b>HIGH SPEED UNDIVIDED HIGHWAY WORK ZONE SIGNING PLAN, NOTES &amp; DETAILS</b></p> <p>HAWAII BELT ROAD, HAKALAU STREAM BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR FAP Proj. No. BR-019-2(082)</p> <p>Scale: NTS Date: March 2024</p>	<p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>Pamela K. Uyeda</i> 04/30/24 SIGNATURE EXPIRATION DATE OF THE LICENSE</p>
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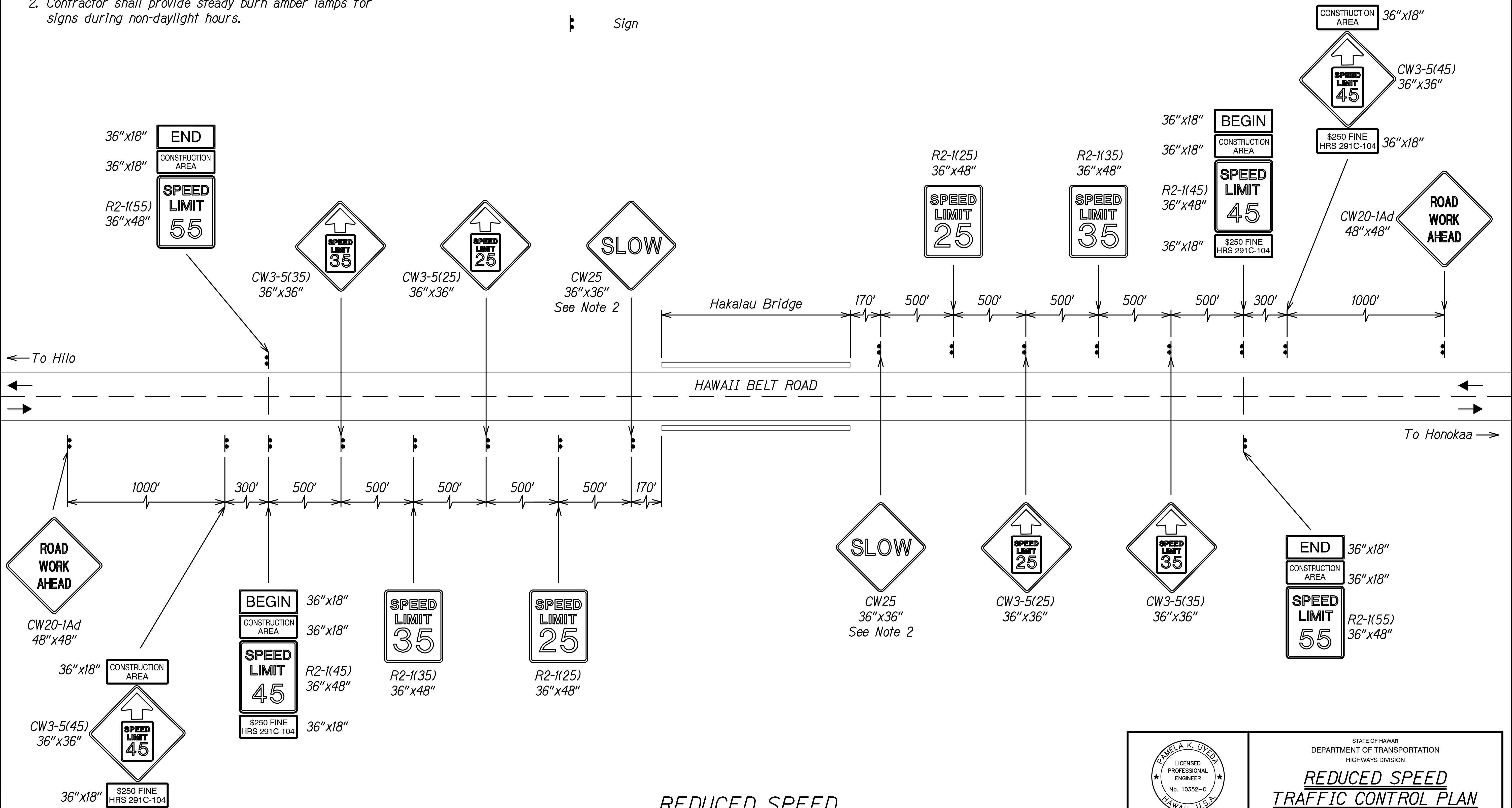
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	13	25

- NOTES:
1. This traffic control plan is intended to slow traffic on the bridge to reduce vibrations during curing of concrete.
  2. Contractor shall provide steady burn amber lamps for signs during non-daylight hours.

LEGEND

← Direction of Traffic

⋮ Sign



REDUCED SPEED  
TRAFFIC CONTROL PLAN

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**REDUCED SPEED  
TRAFFIC CONTROL PLAN**

HAWAII BELT ROAD, HAKALAU STREAM  
BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR  
FAP Proj. No. BR-019-2(082)

Scale: NTS Date: March 2024

SHEET No. TC-3 OF 7 SHEETS

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Paul K. Uyeda* 04/30/24  
SIGNATURE EXPIRATION DATE  
OF THE LICENSE

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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NOTES:

1. This traffic control plan shall be implemented during non-working hours for long term lane closures associated with the scour repair.

2. See Sheets TC-6 and TC-7 for working hours traffic control plan.

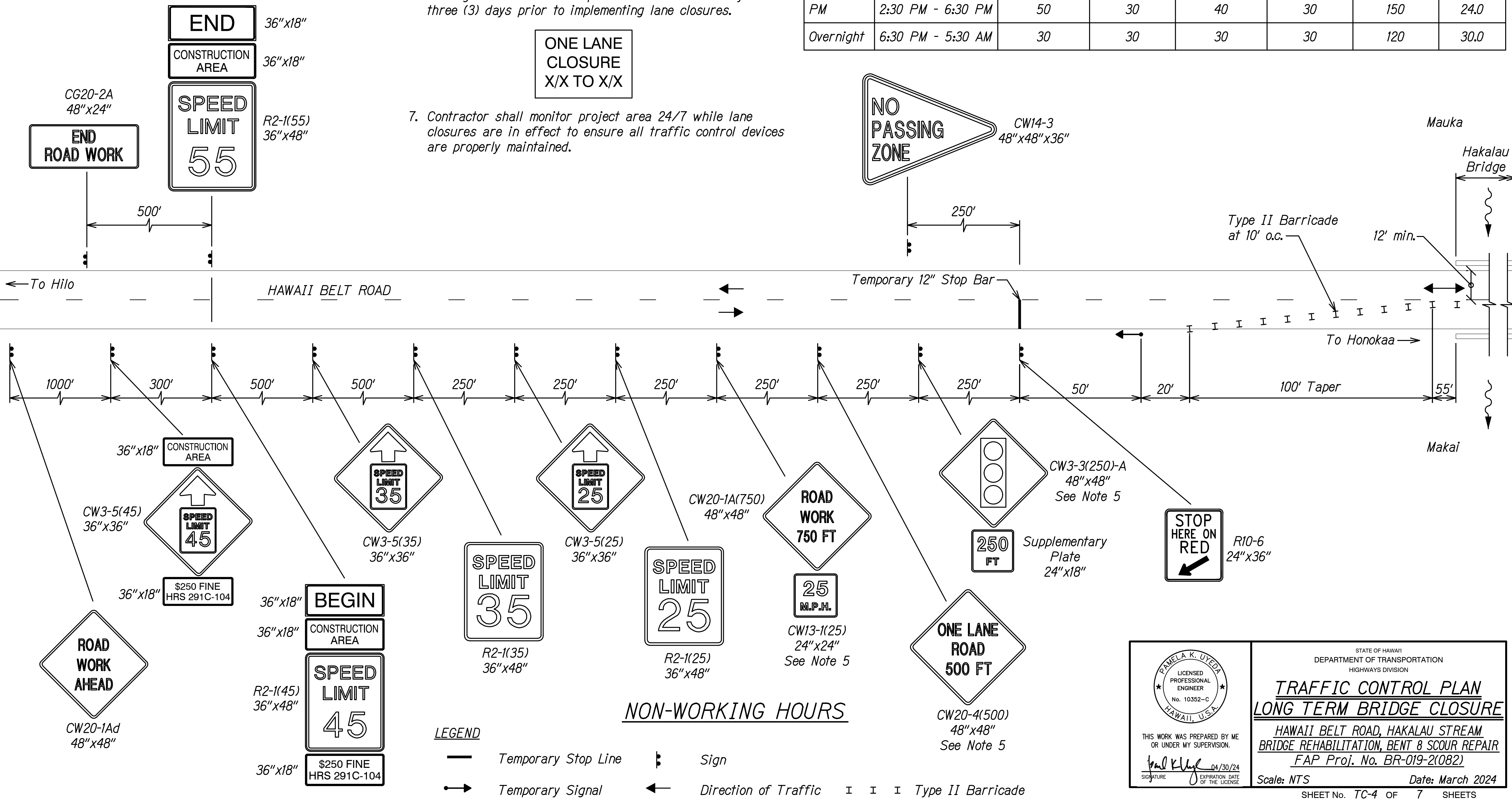
3. Type II barricades shall remain in place 24 hours a day while lane closures are in effect. Barricades shall have Type B steady burn amber warning lights at 10' o.c.
4. Contractor shall follow recommended signal timing based on time-of-day. Any modifications to the signal timing shall be approved by the Engineer prior to implementation.

5. Contractor shall provide steady burn amber lamps for signs during non-daylight hours.

6. Contractor shall provide and maintain one (1) portable message board for each direction of traffic to provide advanced notification of lane closure dates. Portable message boards shall be operational 24 hours a day for three (3) days prior to implementing lane closures.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	14	25

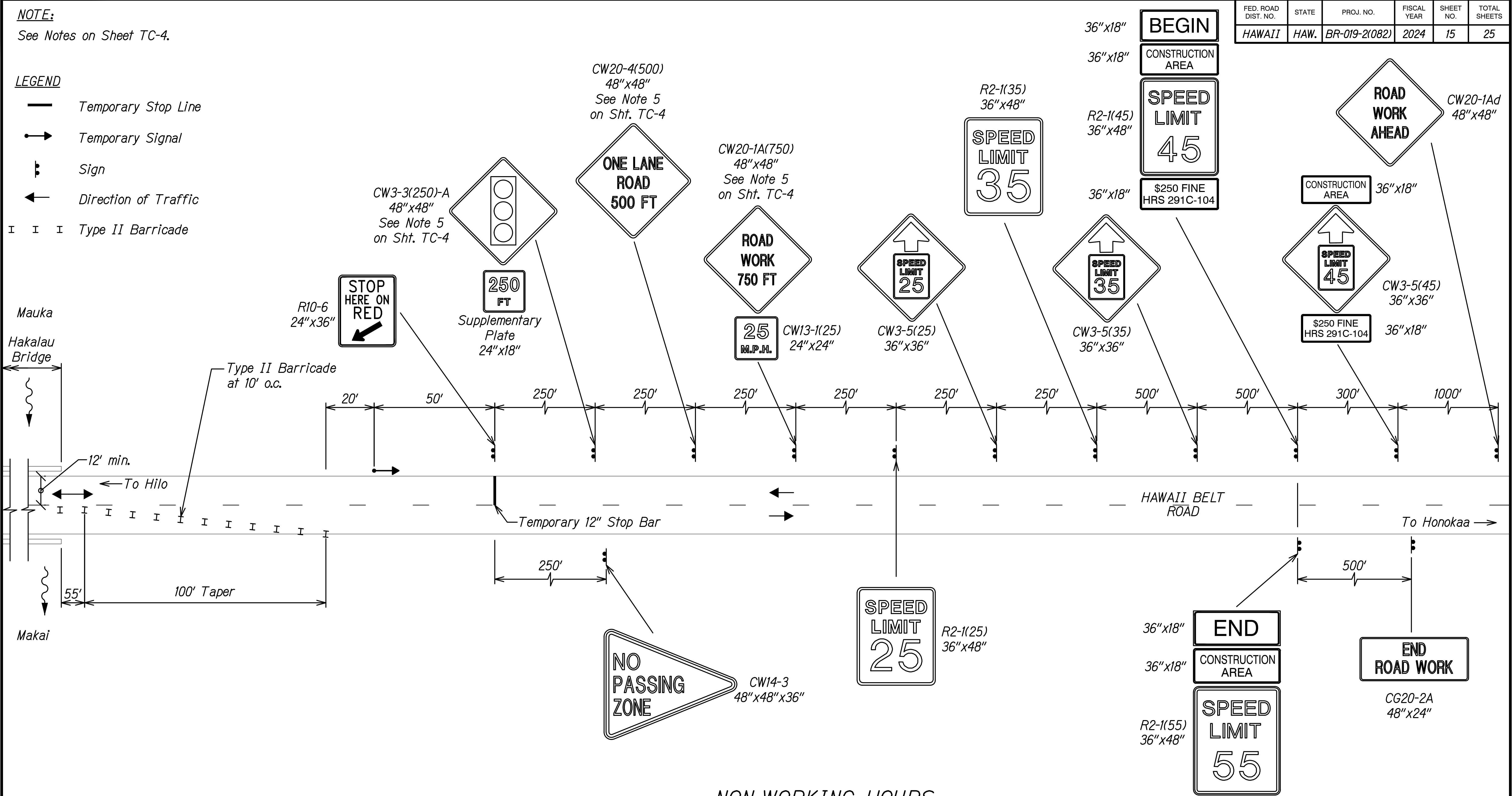
TEMPORARY SIGNAL TIMING							
	Time	Honokaa Bound (seconds)	Clear (seconds)	Hilo Bound (seconds)	Clear (seconds)	Cycle (seconds)	Cycle/Hr
AM	5:30 AM - 9:30 AM	40	30	55	30	155	23.2
Mid-day	9:30 AM - 2:30 PM	40	30	40	30	140	25.7
PM	2:30 PM - 6:30 PM	50	30	40	30	150	24.0
Overnight	6:30 PM - 5:30 AM	30	30	30	30	120	30.0



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NOTE:  
See Notes on Sheet TC-4.

- LEGEND
- Temporary Stop Line
  - Temporary Signal
  - Sign
  - Direction of Traffic
  - Type II Barricade



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	15	25

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NON-WORKING HOURS

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**LONG TERM BRIDGE CLOSURE**

HAWAII BELT ROAD, HAKALAU STREAM  
BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR  
FAP Proj. No. BR-019-2(082)

Scale: NTS Date: March 2024

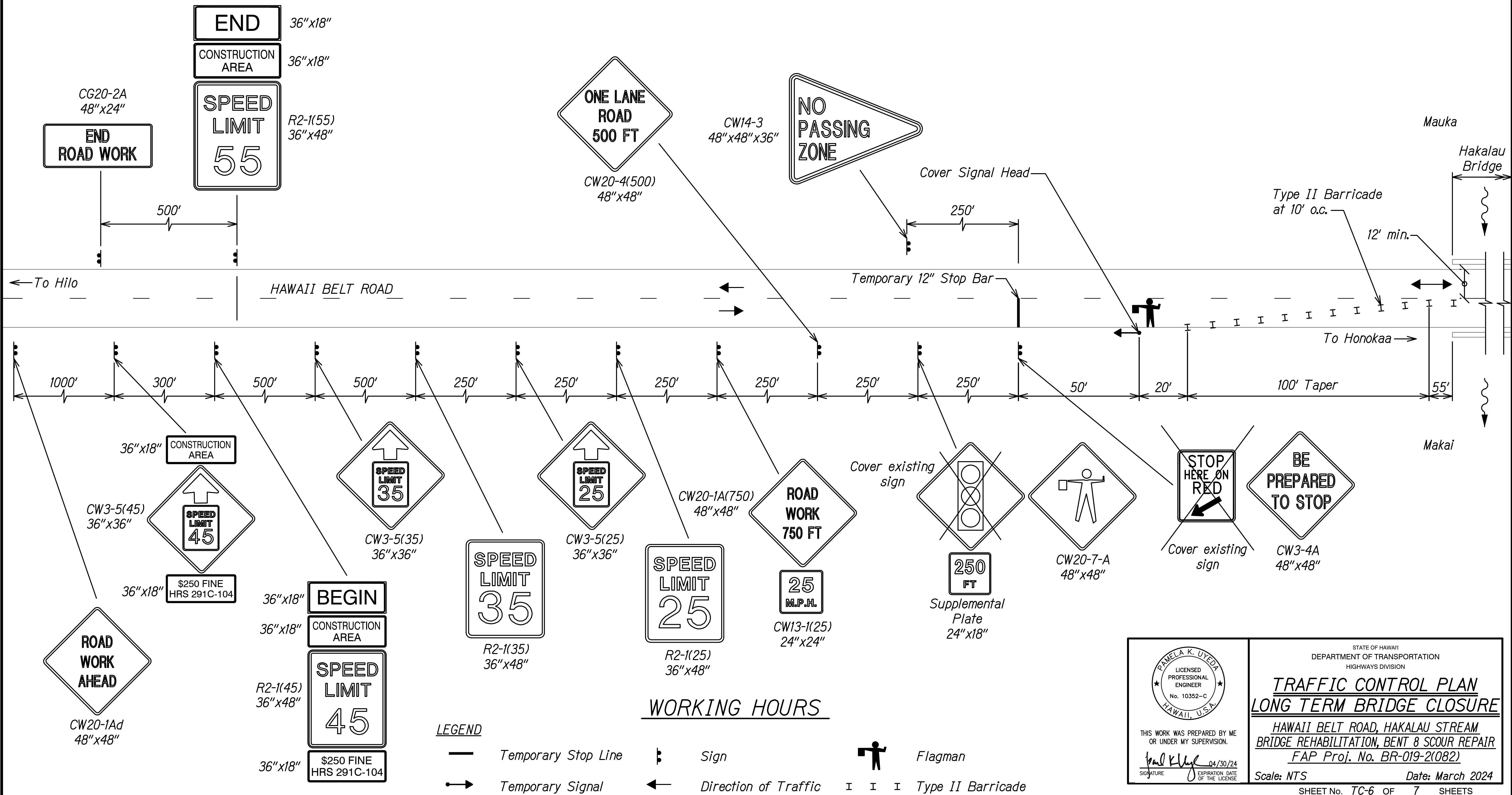
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OR UNDER MY SUPERVISION.

*[Signature]* 04/30/24  
SIGNATURE EXPIRATION DATE OF THE LICENSE

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	16	25

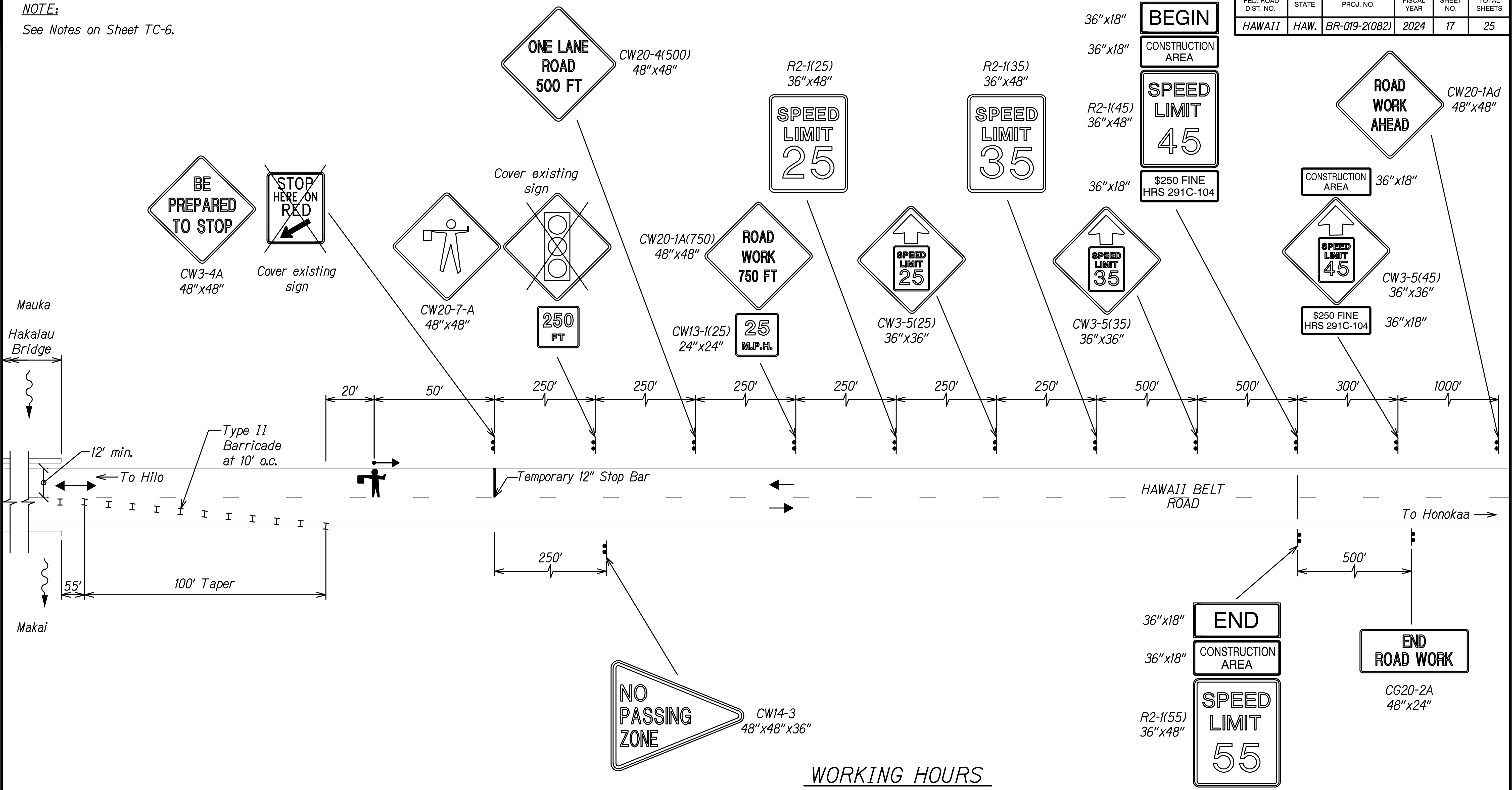
NOTES:

- This traffic control plan shall be implemented during periods of high traffic volume as directed by the Engineer. This may include morning and afternoon peak hour traffic and other times throughout the work day.
- Type II barricades shall remain in place 24 hours a day while lane closures are in effect. Barricades shall have Type B steady burn amber warning lights at 10' o.c.
- See Sheets TC-4 and TC-5 for non-working hour traffic control plan.



NOTE:  
See Notes on Sheet TC-6.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	17	25



WORKING HOURS

- LEGEND**
- Temporary Stop Line
  - Temporary Signal
  - Flagman
  - Sign
  - ← Direction of Traffic
  - Type II Barricade

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**LONG TERM BRIDGE CLOSURE**

HAWAII BELT ROAD, HAKALAU STREAM  
BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR  
FAP Proj. No. BR-019-2(082)

Scale: NTS Date: March 2024

SHEET No. TC-7 OF 7 SHEETS

PAMELA K. UYEDA  
LICENSED PROFESSIONAL ENGINEER  
No. 10352-C  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

Signature: [Signature] Date: 04/30/24  
EXPIRATION DATE OF THE LICENSE

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NOTE BOOK	DRAWN BY	
QUANTITIES BY	DESIGNED BY	
CHECKED BY		