

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	9	85

Ⓜ CURVE DATA (H01)

Δ = 90°43'28.92"
 $\Delta/2$ = 45°21'44.46"
R = 32.5'
T = 32.91'
Ch = 46.25'
Lc = 51.46'

Ⓜ CURVE DATA (H02)

Δ = 90°9'26.28"
 $\Delta/2$ = 45°4'43.14"
R = 15'
T = 15.04'
Ch = 21.24'
Lc = 23.6'

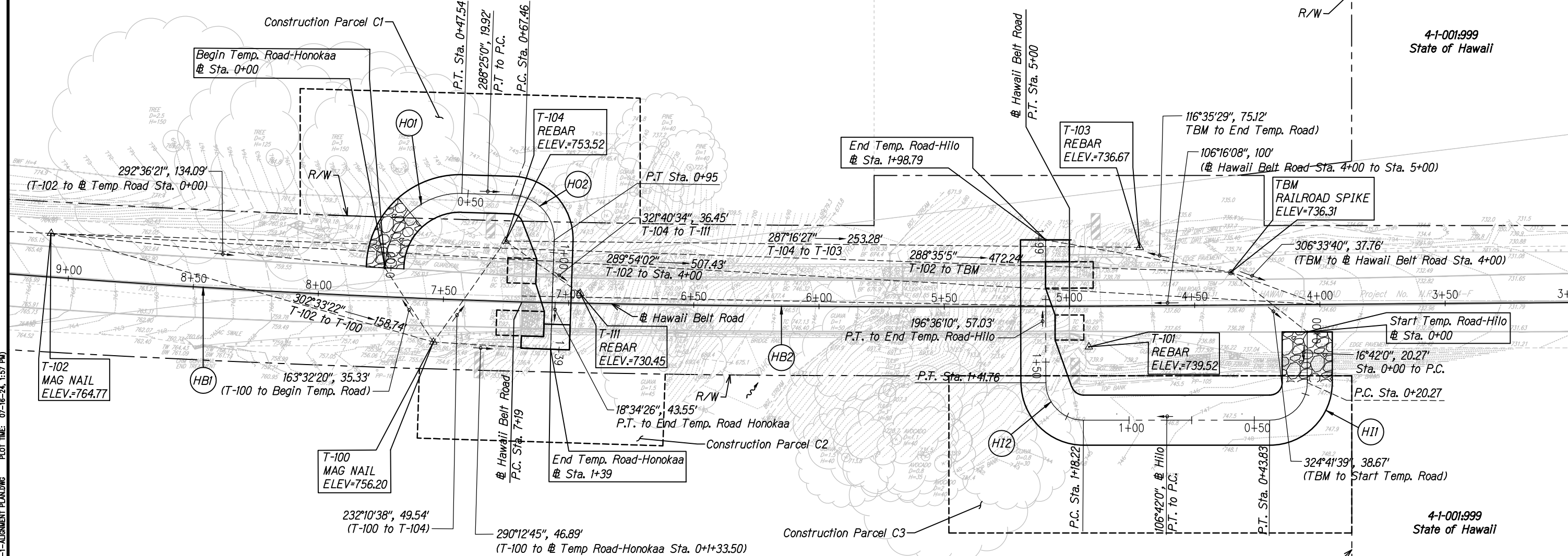
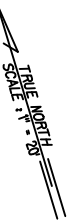
4-1-002:011
Bishop Estate

Ⓜ CURVE DATA (H11)

Δ = 90°0'0"
 $\Delta/2$ = 45°0'0"
R = 15'
T = 15'
Ch = 21.21'
Lc = 23.56'

Ⓜ CURVE DATA (H12)

Δ = 89°54'10.08"
 $\Delta/2$ = 45°0'0"
R = 15'
T = 14.97'
Ch = 21.2'
Lc = 23.54'



Ⓜ CURVE DATA (H01)

Δ = 03°29'8.16"
 $\Delta/2$ = 01°44'34.08"
R = 4497.20'
T = 136.84'
Ch = 273.54'
Lc = 273.59'

Ⓜ CURVE DATA (H02)

Δ = 01°44'44.52"
 $\Delta/2$ = 0°52'22.26"
R = 7175.00'
T = 109.32'
Ch = 218.61'
Lc = 218.62'

4-1-002:004
State of Hawaii



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT PLAN

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

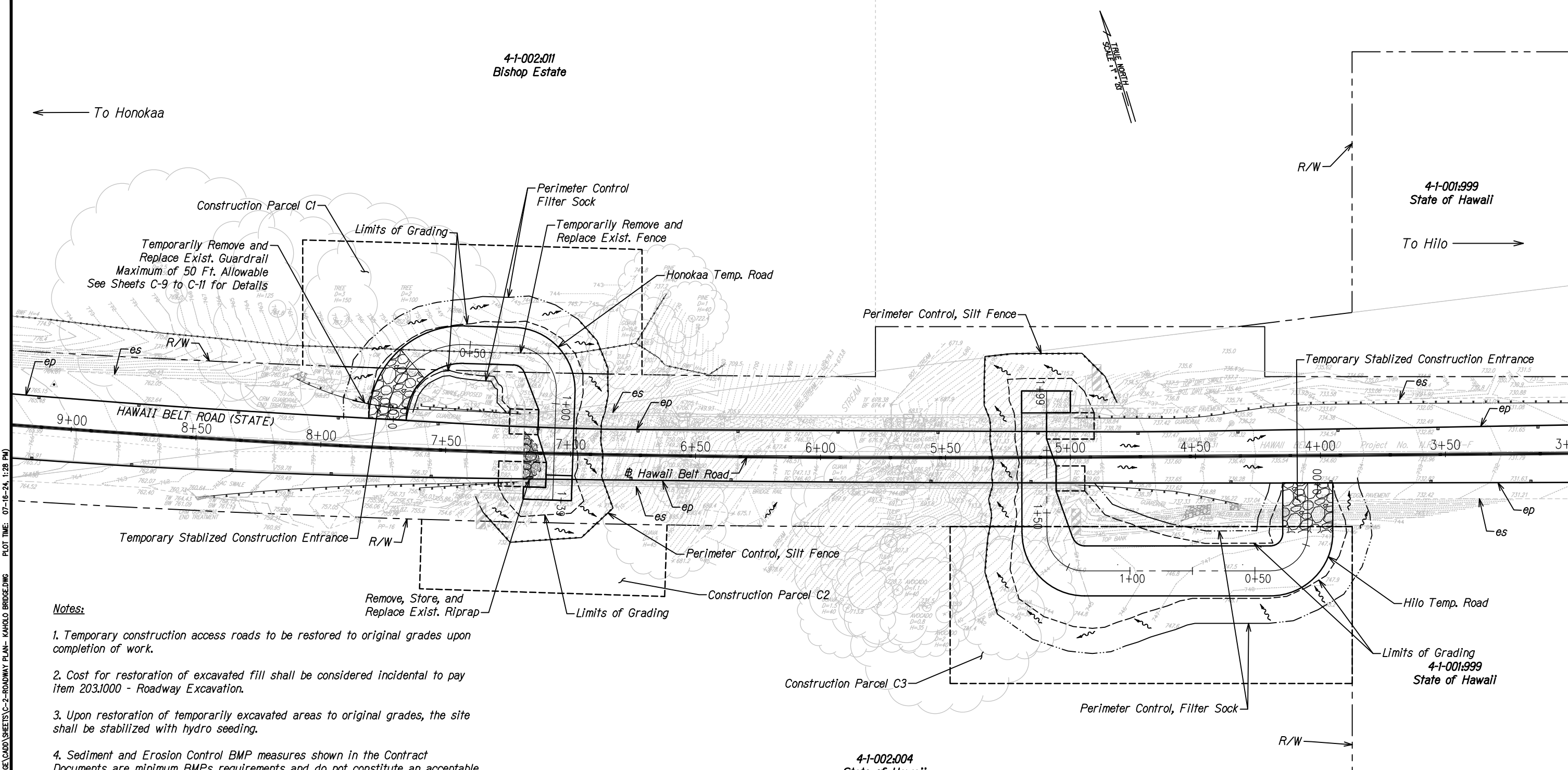
Scale: 1"=20' Date: Jul. 2024

SHEET No. C-1 OF 13 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
APPROVED BY	
NOTED BY	
REVISIONS	

DRAWING NAME: T: 30801030.00-KAHOLOSTREAMBRIDGE (CADD) SHEETS C-1-ALIGNMENT PLANNING PLOT TIME: 07-16-24, 1:57 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	10	85



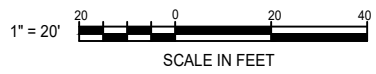
Notes:

1. Temporary construction access roads to be restored to original grades upon completion of work.
2. Cost for restoration of excavated fill shall be considered incidental to pay item 203.1000 - Roadway Excavation.
3. Upon restoration of temporarily excavated areas to original grades, the site shall be stabilized with hydro seeding.
4. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 Installation, Maintenance, Monitoring, and Removal of BMP.
5. Removal and storage of existing riprap shall be considered incidental to item 611.1000. Measurement and payment for removal and storage of existing riprap will not be done separately.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	
NOTED BY	
QUANTITIES BY	
BOOK	
NO.	

DRAWING NAME: T: 30801030.00-KAHOLOSTREAMBRIDGE(CADD) SHEETS C-2-ROADWAY PLAN-KAHOLO BRIDGE.DWG PLOT TIME: 07-16-24, 1:28 PM

4-1-002:004
State of Hawaii



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

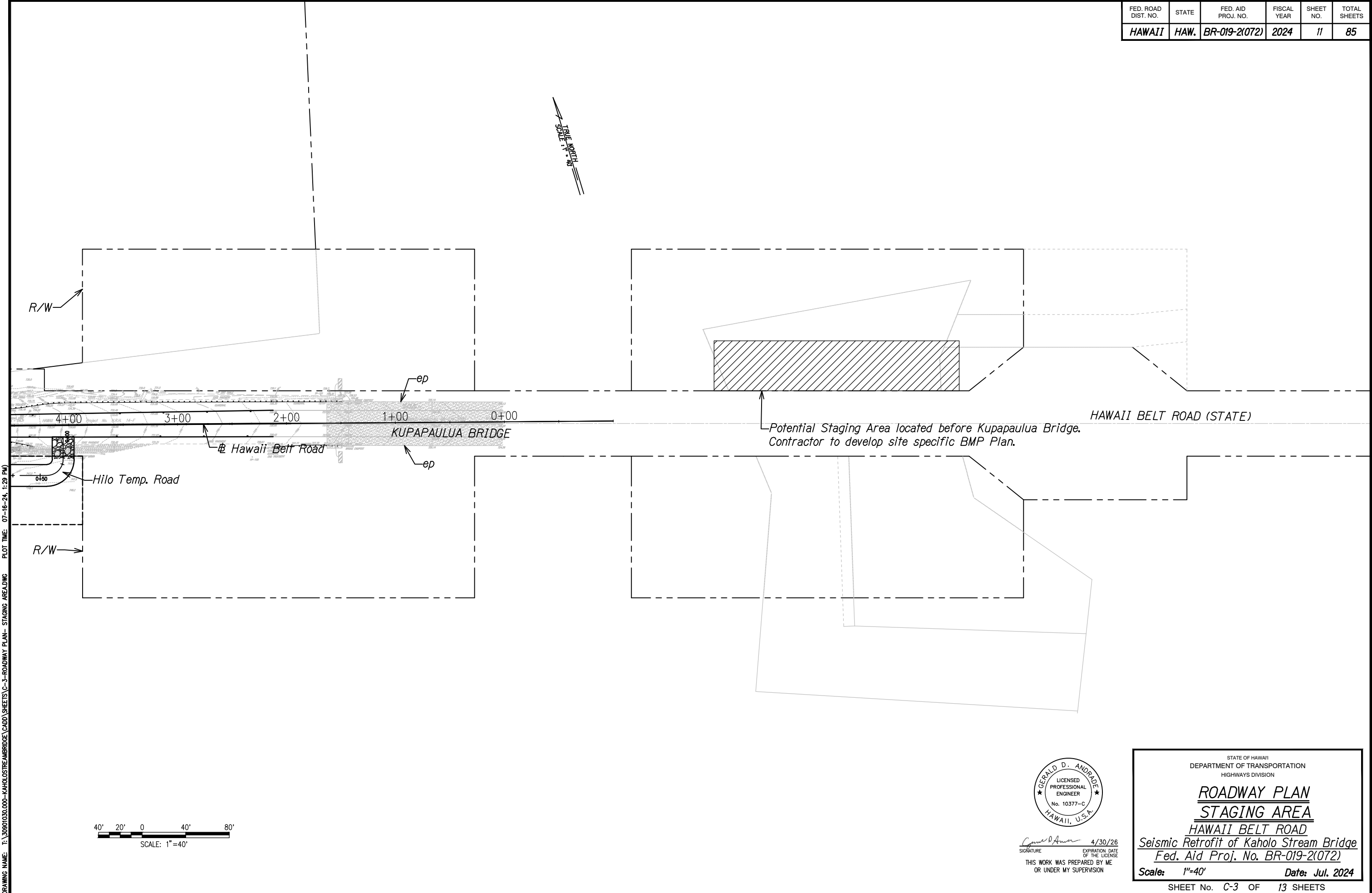
ROADWAY PLAN
KAHOLE BRIDGE
HAWAII BELT ROAD

Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=20' Date: Jul. 2024

SHEET No. C-2 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	11	85



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ROADWAY PLAN
STAGING AREA**

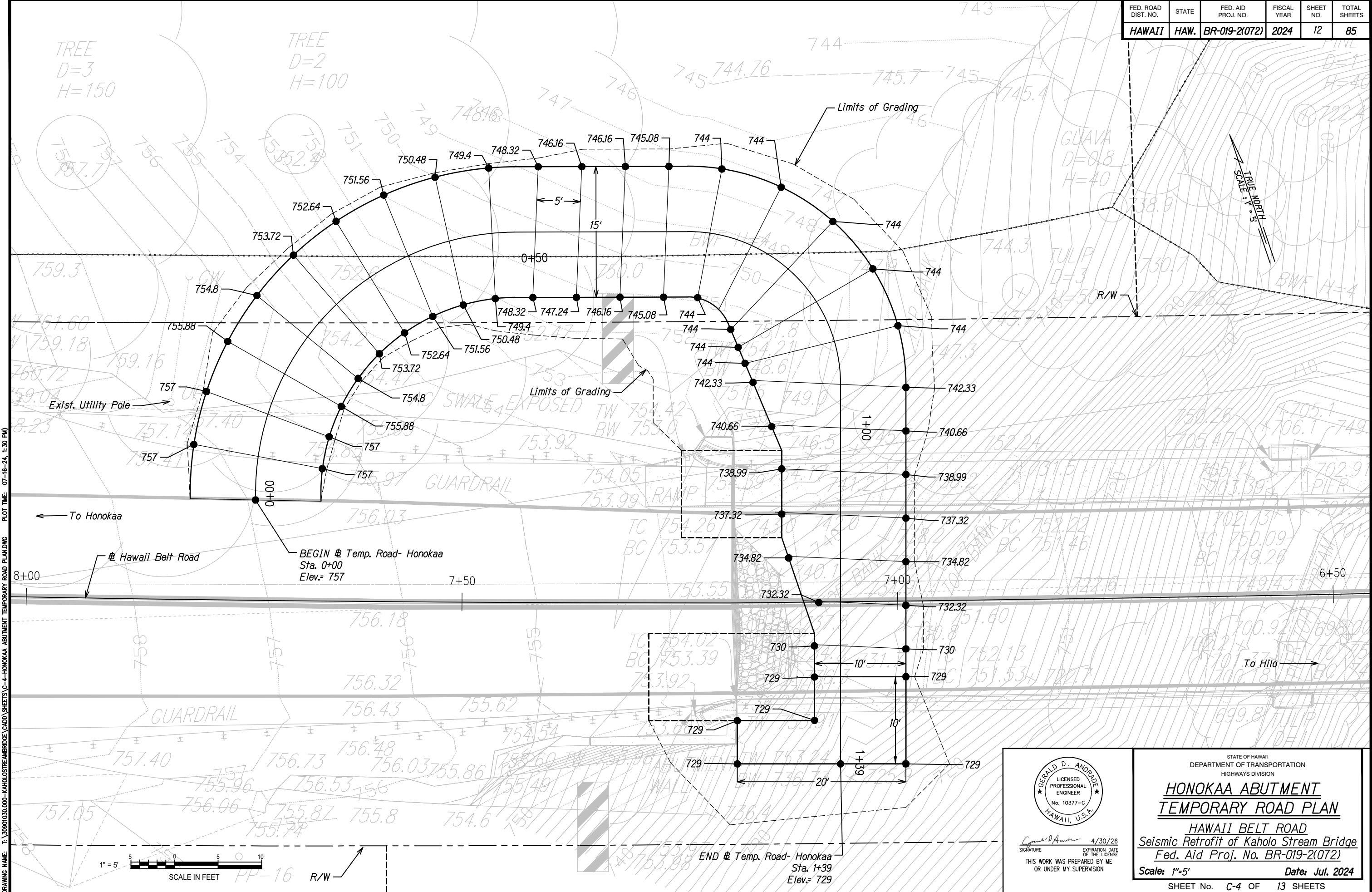
HAWAII BELT ROAD

Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

SHEET No. C-3 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	12	85



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTES	

DRAWING NAME: T-30801030.00-KAHOLOSTREAM BRIDGE (CADD) SHEETS C-4-HONOKAA ABUTMENT TEMPORARY ROAD PLANNING PLOT TIME: 07-16-24, 1:30 PM

Signature: *Gerald D. Andrade*
Expiration Date: 4/30/26
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**HONOKAA ABUTMENT
TEMPORARY ROAD PLAN**

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

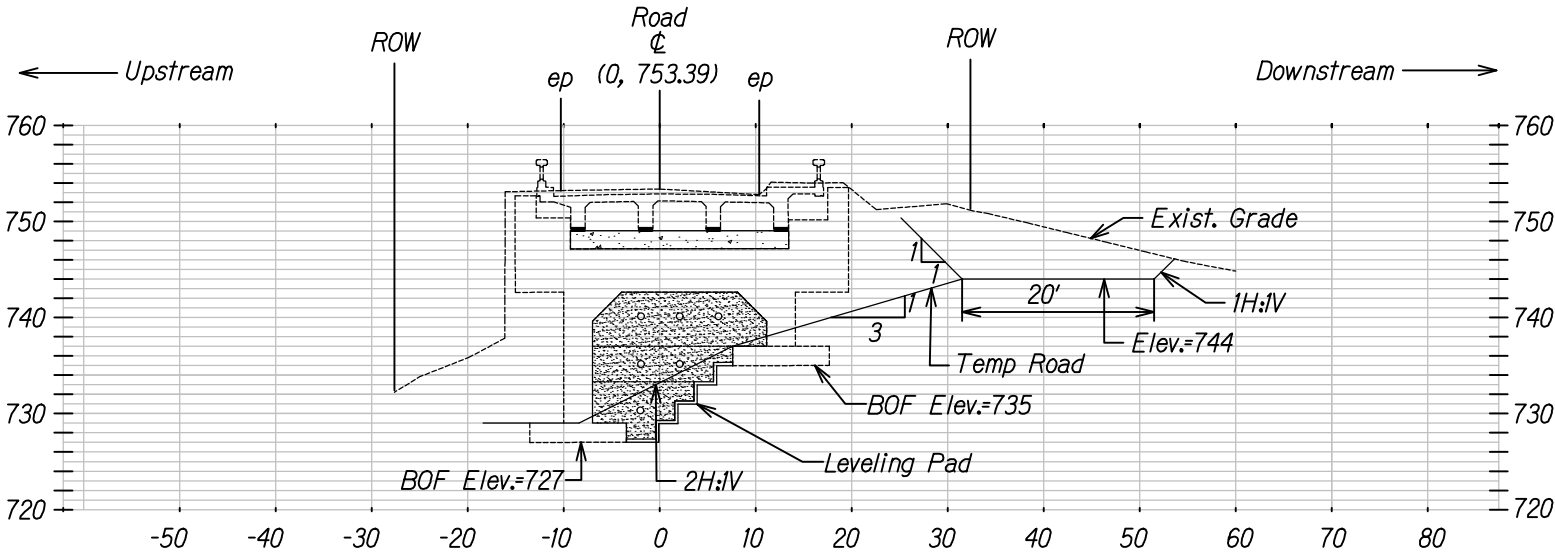
Scale: 1"=5' Date: Jul. 2024

SHEET No. C-4 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	13	85

Legend:

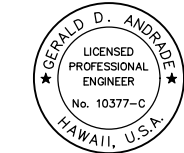
- Raised Concrete Shelf
- Shotcrete Facing



Honokaa Abutment Temp. Road
Typical Section
Scale: 1"=10'

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
REVIEWED BY	
QUANTITIES BY	
CHECKED BY	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS C-5-HONOKAA ABUTMENT TEMPORARY ROAD- TYPICAL SECTION.DWG PLOT TIME: 07-16-24, 1:30 PM



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

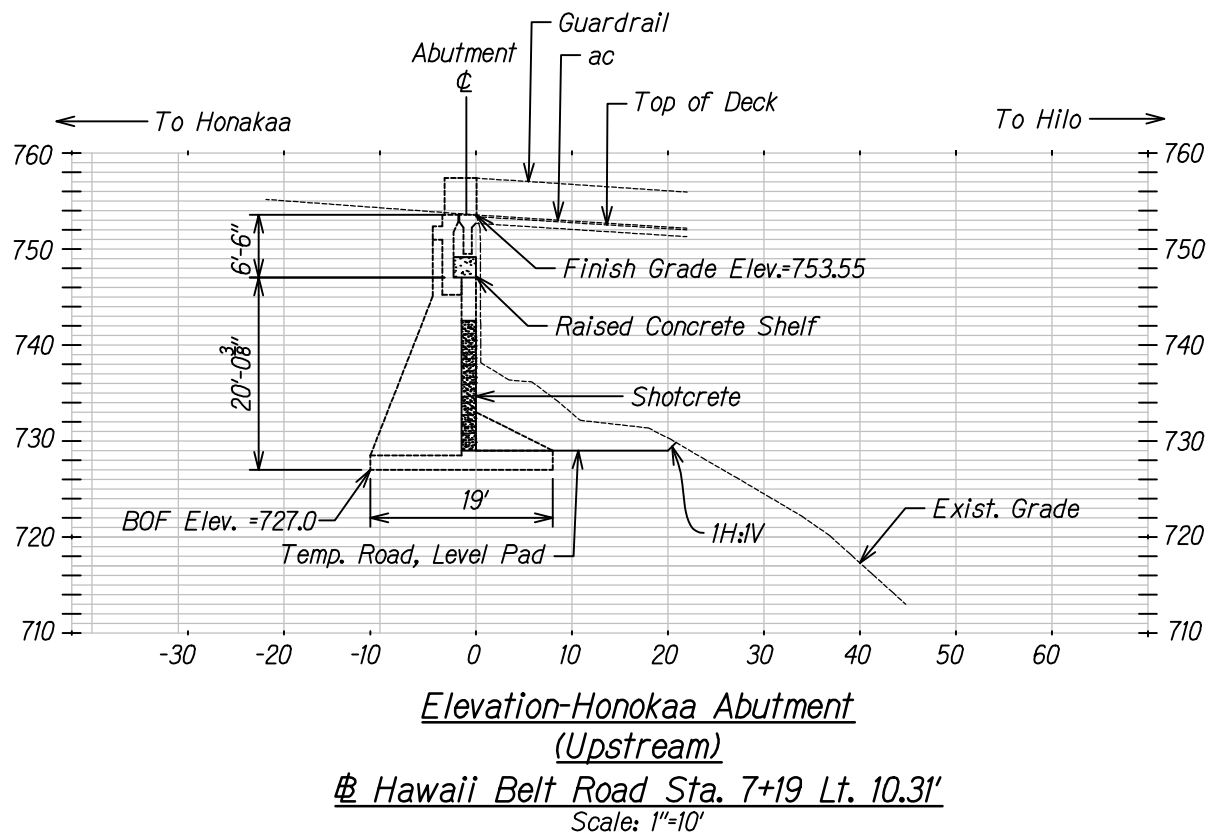
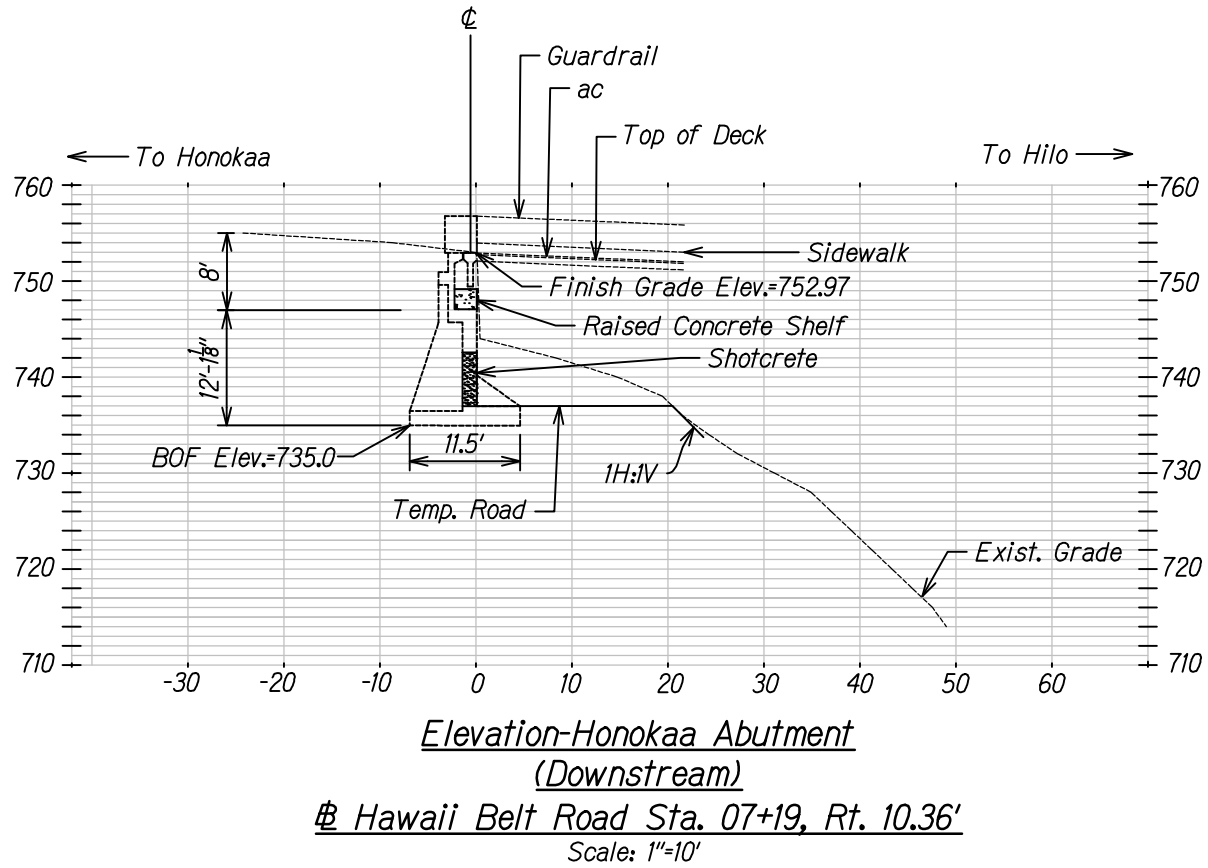
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HONOKAA ABUTMENT
TEMP ROAD. TYP. SECTION
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=10' Date: Jul. 2024

SHEET No. C-5 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	14	85



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
NO. 1	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS C-6-HONOKAA ABUTMENT TEMPORARY ROAD- ELEVATIONS.DWG PLOT TIME: 07-16-24, 1:30 PM

GERALD D. ANDRADE
LICENSED PROFESSIONAL ENGINEER
No. 10377-C
HAWAII, U.S.A.
4/30/26
SIGNATURE
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HONOKAA ABUTMENT
ELEVATIONS
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

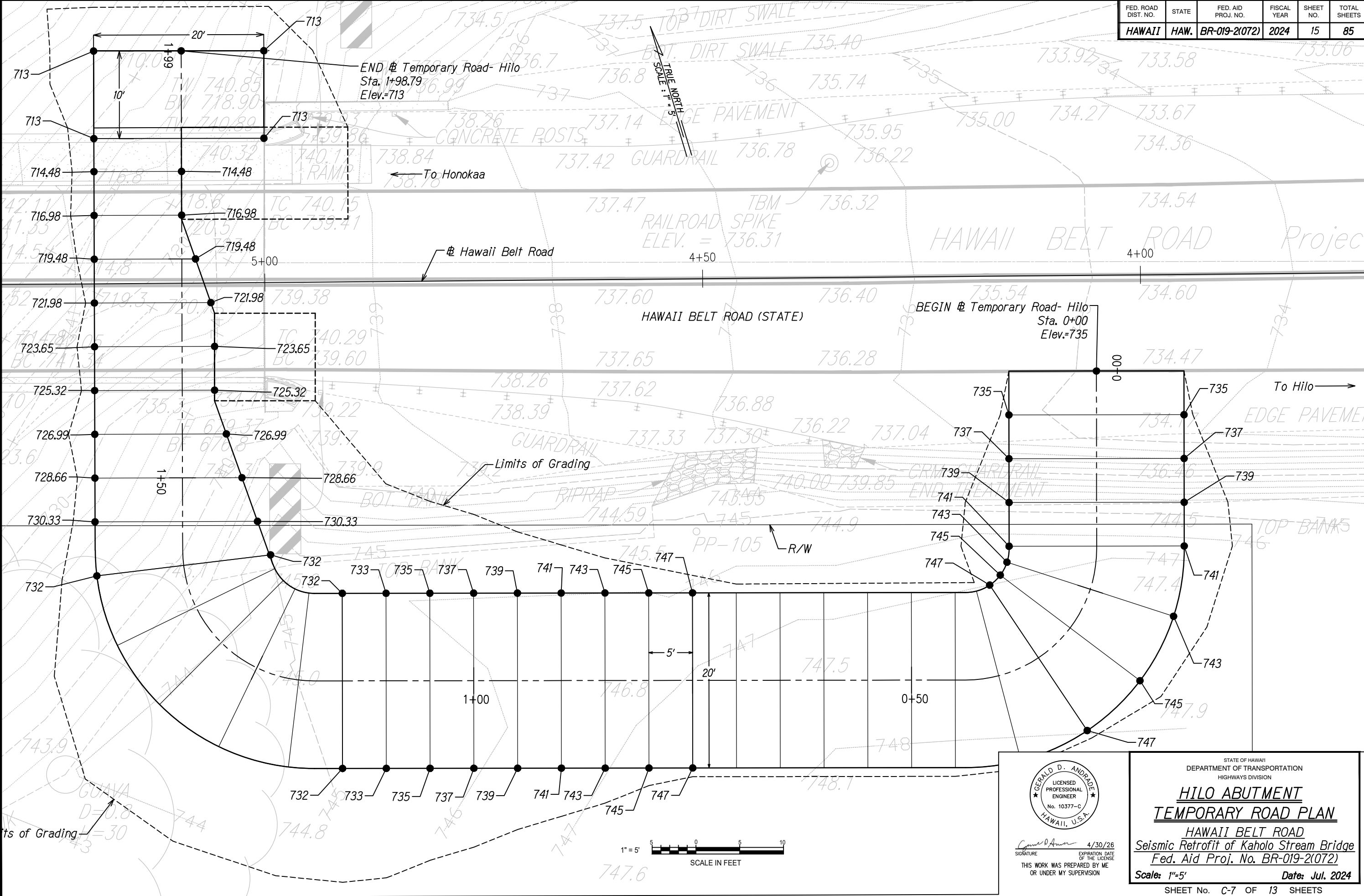
Scale: 1"=10' Date: Jul. 2024

SHEET No. C-6 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	15	85

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
DATE	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS C-7-HILO ABUTMENT TEMPORARY ROAD PLAN.DWG PLOT TIME: 07-16-24, 1:31 PM



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

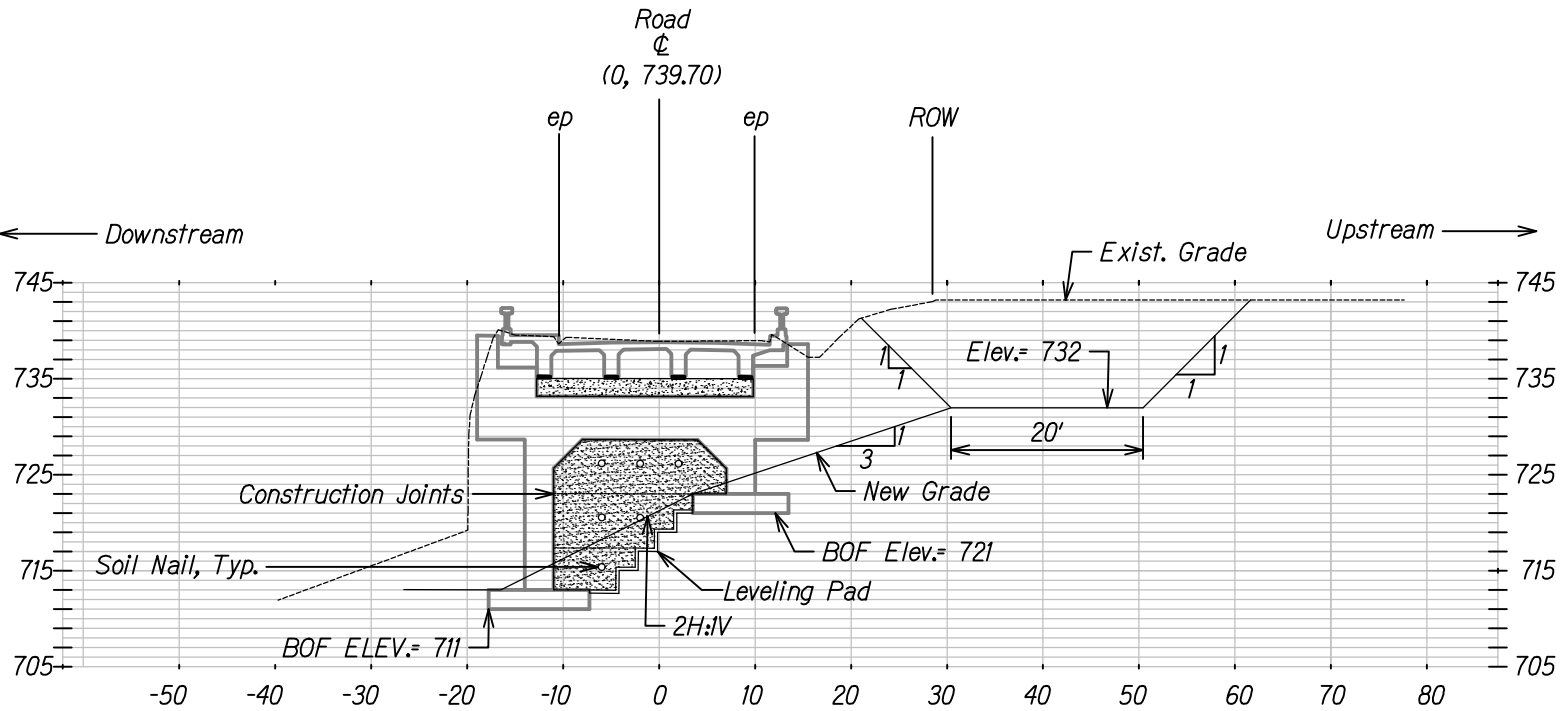
**HILO ABUTMENT
TEMPORARY ROAD PLAN**

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=5' Date: Jul. 2024

SHEET No. C-7 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	16	85

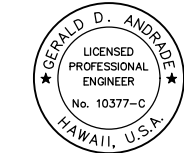


Hilo Abutment Temp. Road
Typical Section
Scale: 1"=10'

- Legend:
- Raised Concrete Shelf
 - Shotcrete Facing

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
REVIEWED BY	
APPROVED BY	
DATE	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS C-8-HILO ABUTMENT TEMPORARY ROAD- TYPICAL SECTION.DWG PLOT TIME: 07-18-24, 1:31 PM



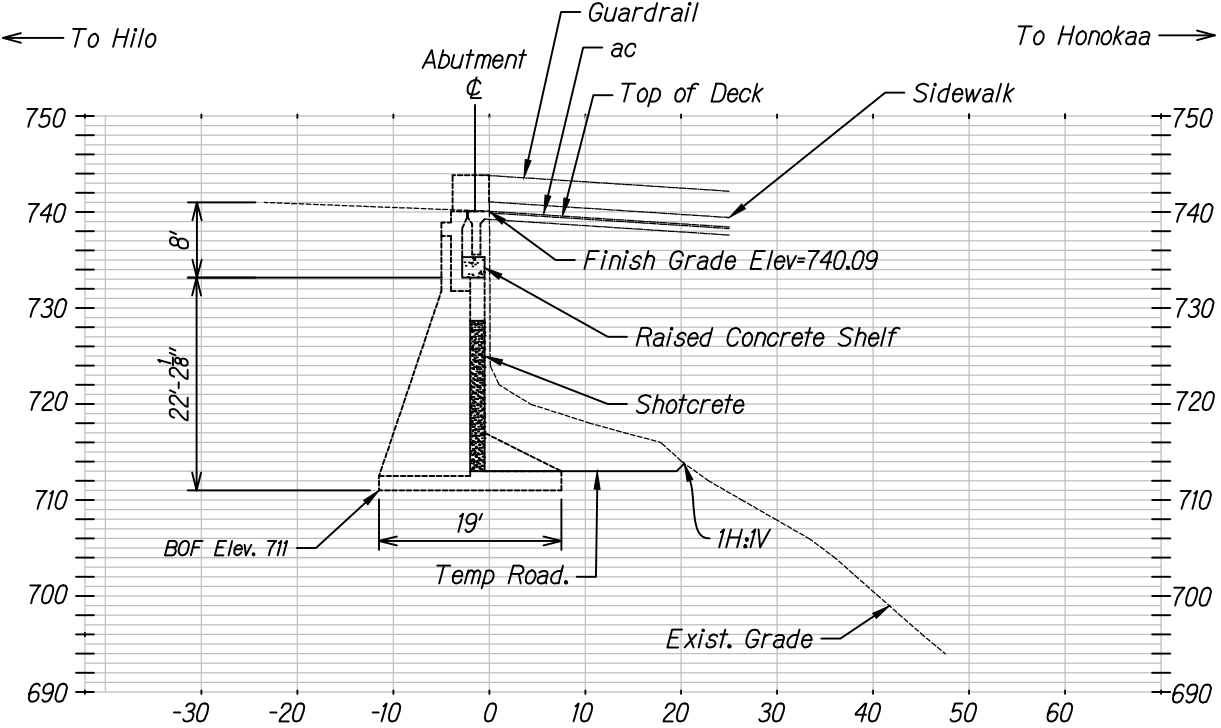
SIGNATURE: *Gerald D. Andrade* EXPIRATION DATE: 4/30/26
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

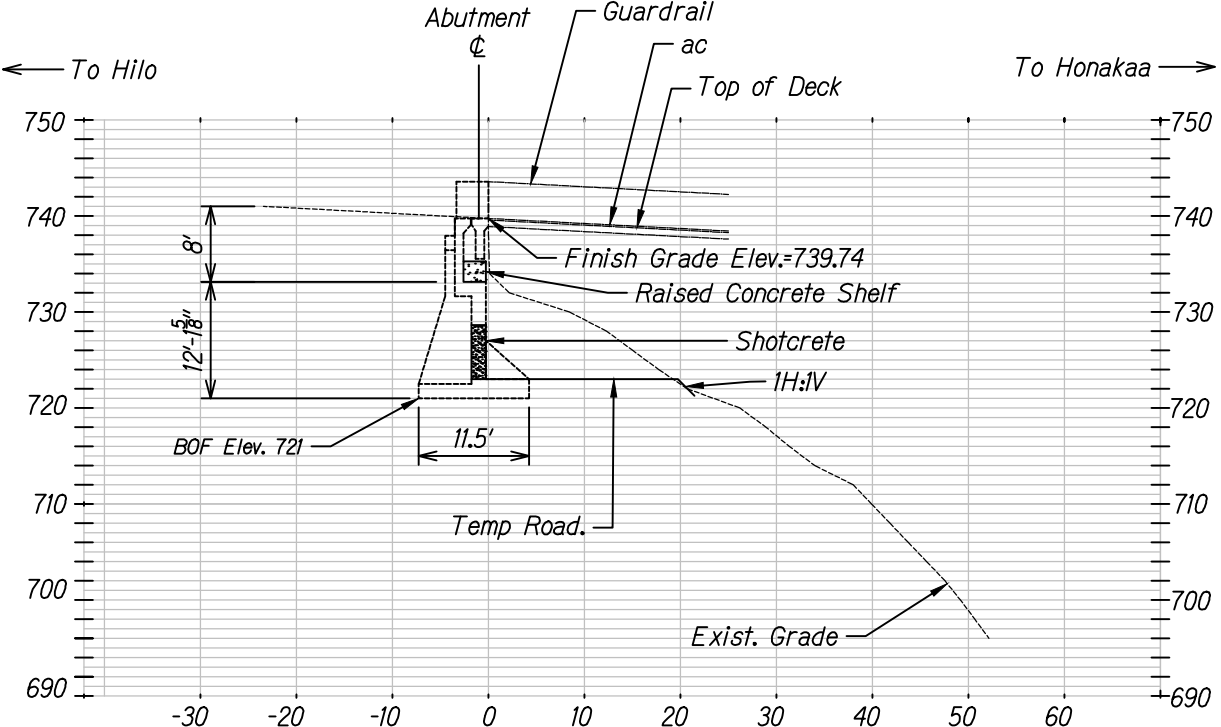
HILO ABUTMENT TEMP. ROAD
TYPICAL SECTION
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)
Scale: 1"=10' Date: Jul. 2024

SHEET No. C-8 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	17	85



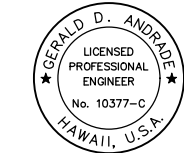
Elevation-Hilo Abutment
(Downstream)
Hawaii Belt Road Sta. 5+00, Rt. 10.42'
Scale: 1"=10'



Elevation-Hilo Abutment
(Upstream)
Hawaii Belt Road Sta. 5+00, Lt. 9.95'
Scale: 1"=10'

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
REVIEWED BY	
APPROVED BY	

DRAWING NAME: T:\30801030.00-KAHOLOSTREAMBRIDGE\CADD\SHEETS\C-9-HILO ABUTMENT TEMPORARY ROAD- ELEVATIONS.DWG PLOT TIME: 07-16-24, 1:32 PM



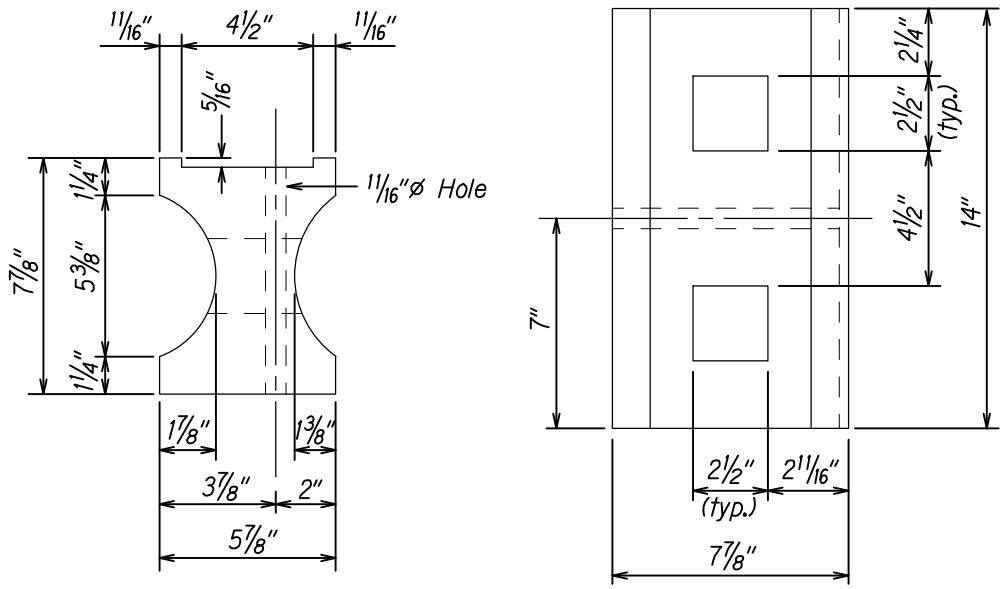
SIGNATURE: *Gerald D. Andrade* EXPIRATION DATE: 4/30/26
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

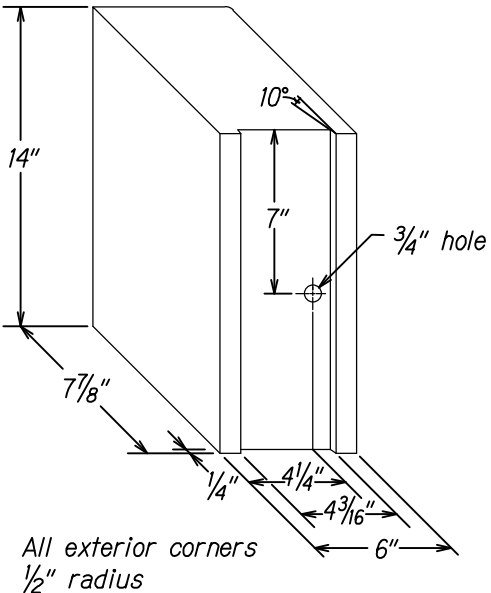
HILO ABUTMENT
ELEVATIONS
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=10' Date: Jul. 2024

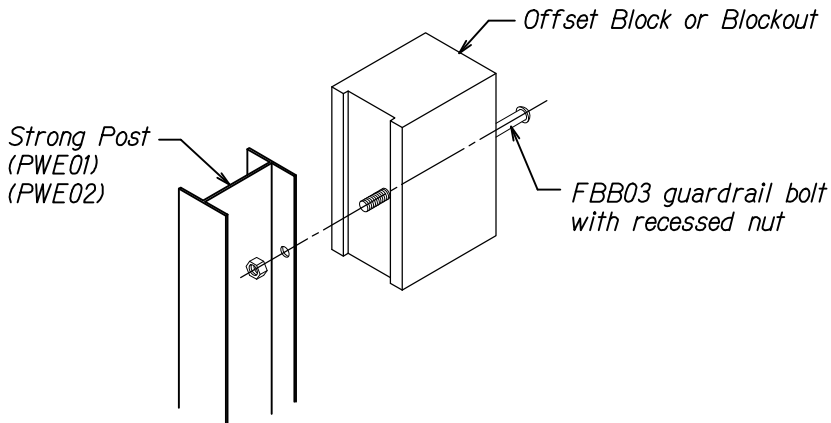
SHEET No. C-9 OF 13 SHEETS



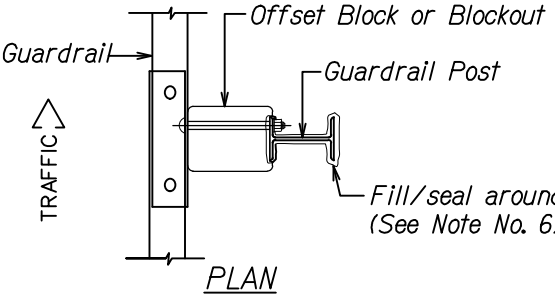
TOP
SIDE
RECYCLED PLASTIC BLOCKOUT (TYPE I)



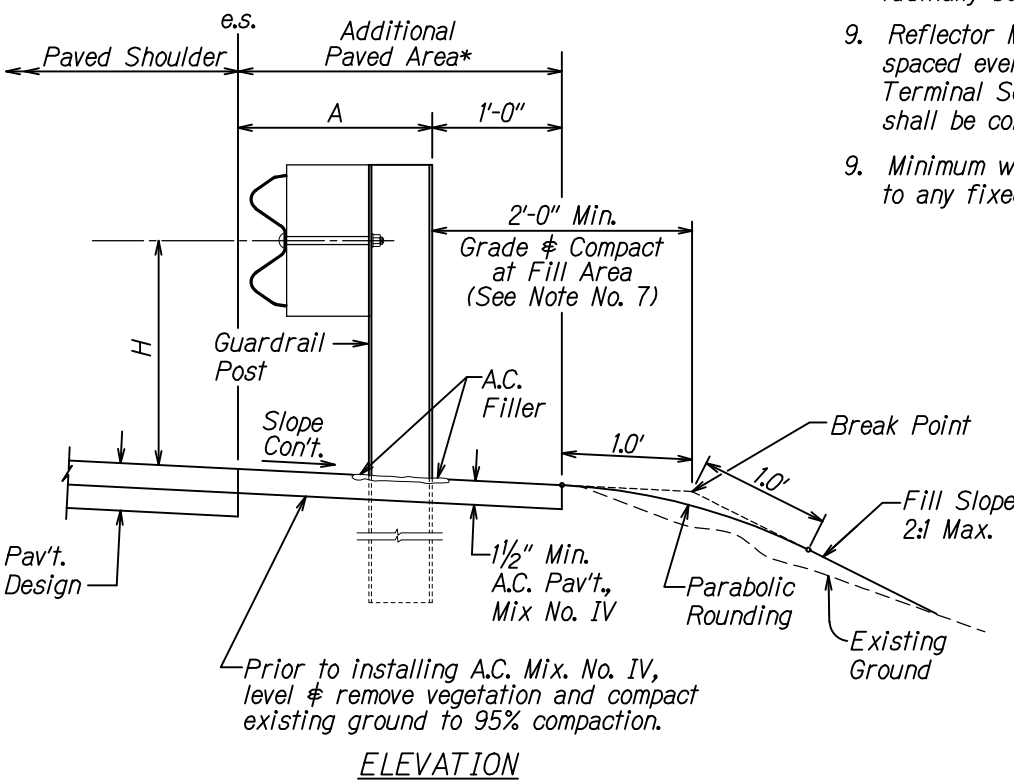
RECYCLED POLYETHYLENE
OFFSET BLOCK (TYPE II)



Exploded View
(Rail and washer not shown)
STEEL POST AND BLOCK DETAIL



PLAN



ELEVATION

TYPICAL GUARDRAIL INSTALLATION

GENERAL NOTES

1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
2. Where conditions require, special post lengths in increments of 6 inches may be specified.
3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM02b, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware", a report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report. Dimensions of fastners, posts and rail elements have been converted from metric units into their present form.
4. The Recycled Plastic Block or Offset Block shall be approved by the State.
5. All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.
6. After the guardrail posts are installed in the paved area, the Contractor shall fill/seal around each guardrail post and all cracks in the paved area caused during the guardrail post installation. If required by the inspector/engineer, the Contractor shall tamper the paved area around the guardrail post prior to filling/sealing. All costs associated with this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
7. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
8. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.
9. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 25 feet. RM-5's shall not be installed on Terminal Sections. Furnishing and installing of each RM-5 shall be considered incidental to the adjacent guardrail system.
9. Minimum working width (clear distance) between back of MGS post to any fixed object is 4'-1" (49").

GUARDRAIL TYPE	DIMENSION	
	H	A
Strong Post W-Beam	1'-9 5/8"	1'-6"
Strong Post Rubrail (W-Beam)	2'-0"	1'-6"
Strong Post Thrie-Beam	1'-9 5/8"	1'-6"
Strong Post Modified Thrie-Beam	2'-0"	2'-0"



Signature: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

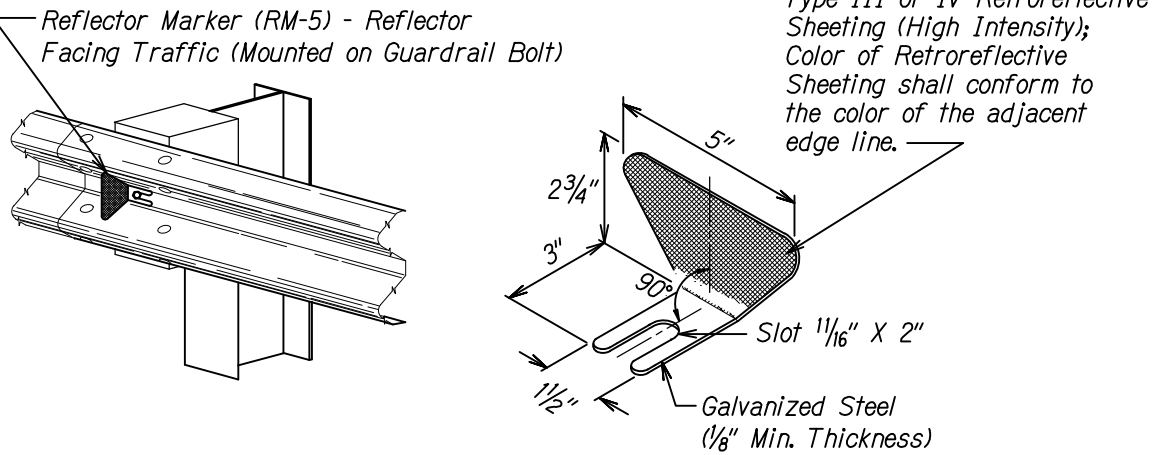
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL DETAILS & NOTES

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: NTS Date: Jul. 2024

SHEET No. C-10 OF 13 SHEETS

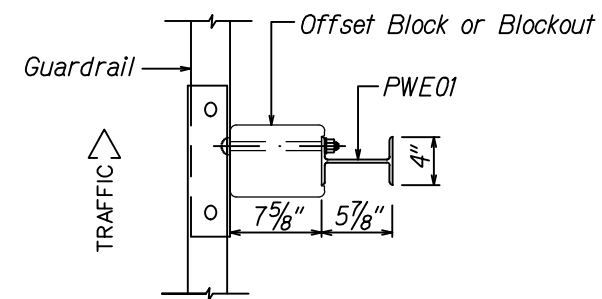


REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION

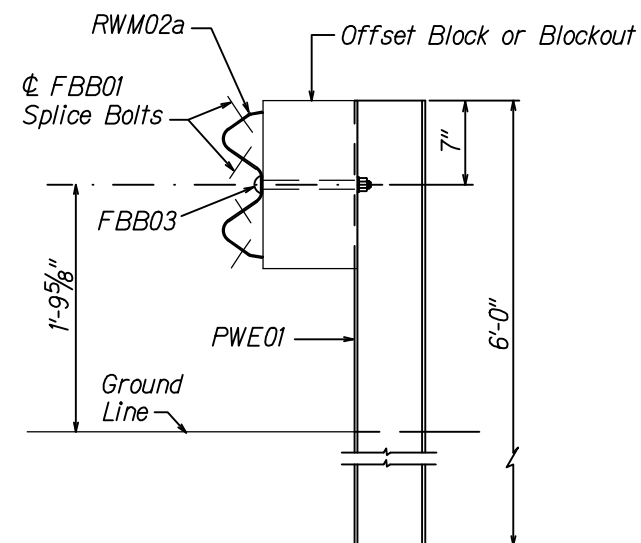
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
REVISIONS	

DRAWING NAME: T: 03001030.00-KAHOLOSTREAM BRIDGE (CADD) SHEETS C-10-TESOREY-BF-1.DWG PLOT TIME: 07-18-24, 1:32 PM

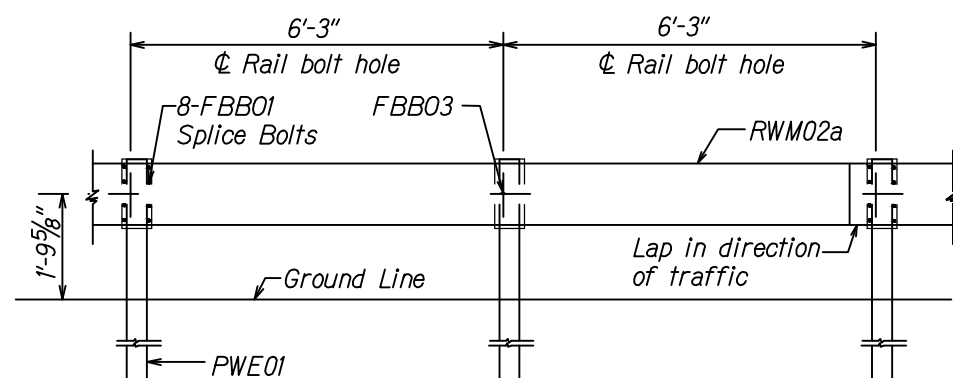
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
<i>HAWAII</i>	<i>HAW.</i>	<i>BR-019-2(072)</i>	<i>2024</i>	<i>19</i>	<i>85</i>



PLAN

ELEVATION

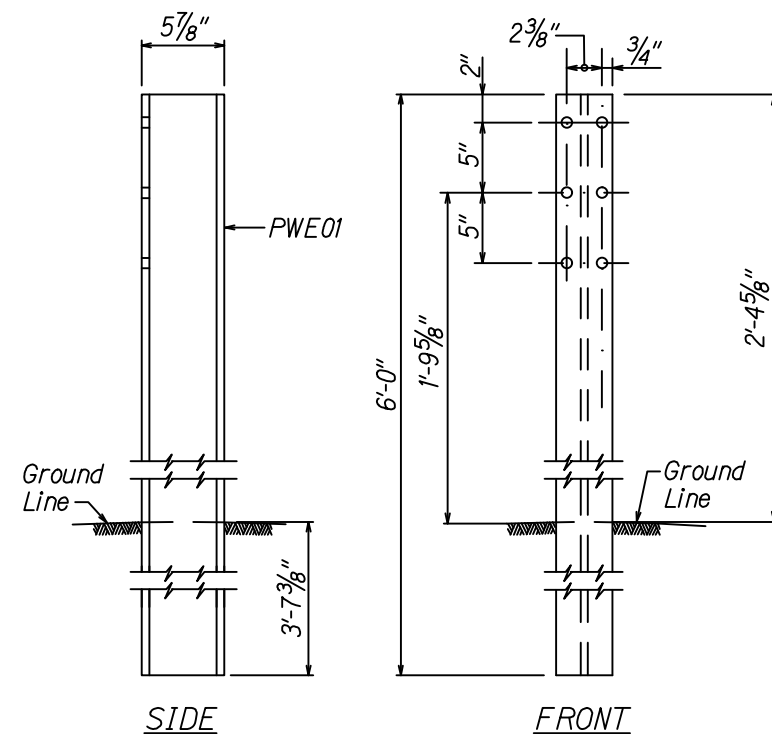
STRONG POST W-BEAM GUARDRAIL
(SGR04a)

ELEVATION

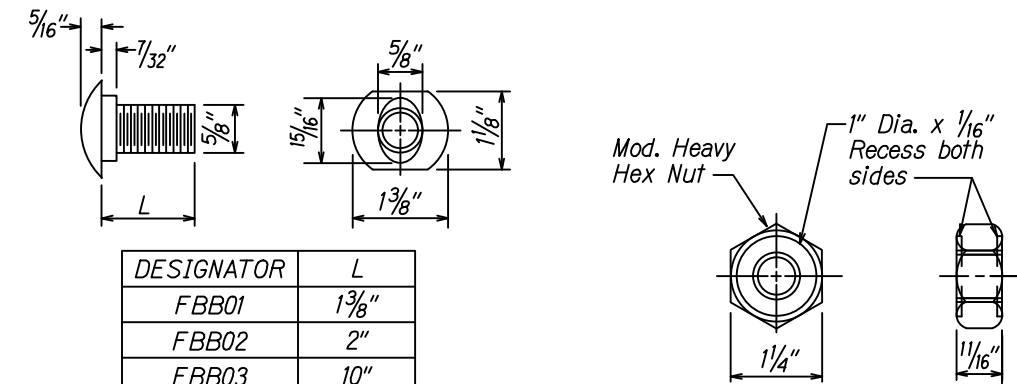
STRONG POST W-BEAM GUARDRAIL WITH
RECYCLED OFFSET BLOCK OR PLASTIC BLOCKOUT

NOTE:
All Holes are $\frac{3}{4}$ " Dia.

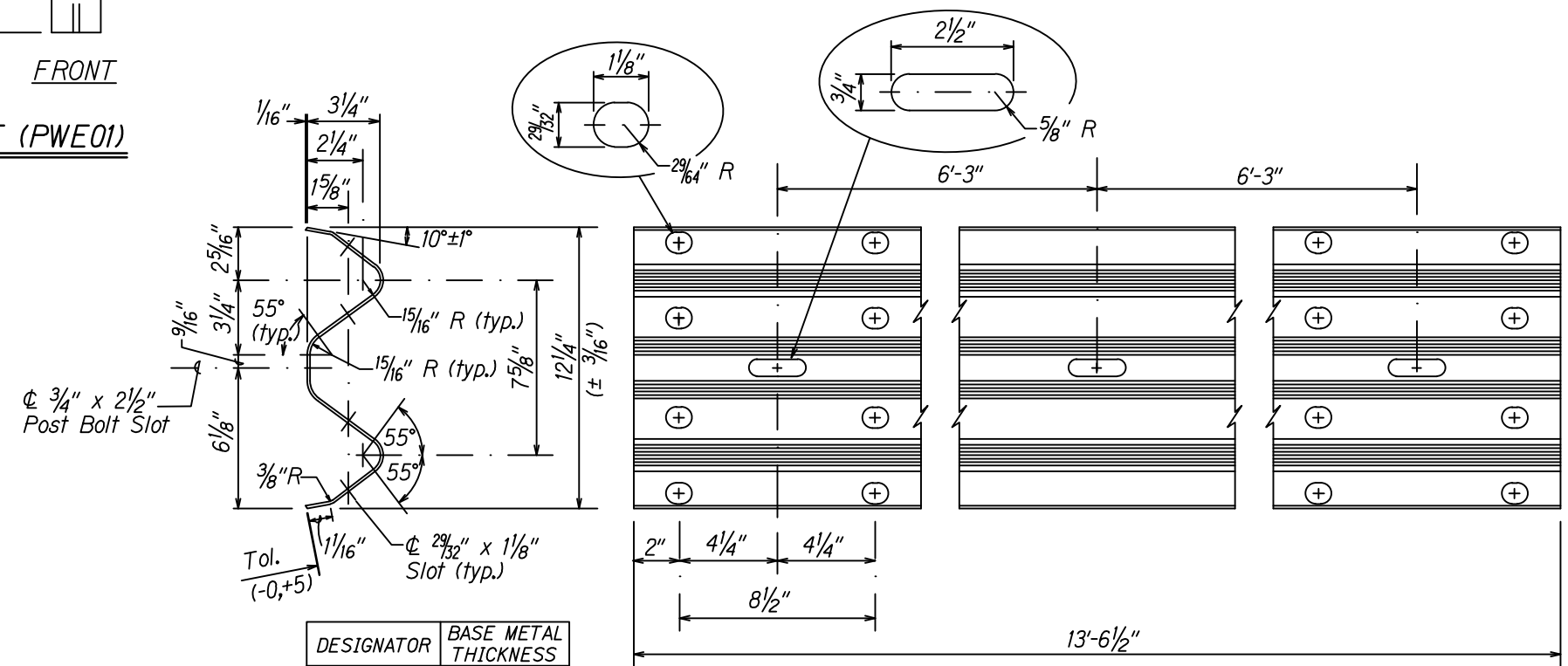
W6x8.5
Structural
Shape —



W-BEAM STRONG POST (PWE01)



GUARDRAIL BOLTS AND RECESSED NUT



2 SPACE W-BEAM GUARDRAIL (RWM02a)

DESIGNATOR	BASE METAL THICKNESS
RWM02a	12 Gauge

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

DRAWING NAME: T:\30901030.000-KAHOLOSTREAMBRIDGE\CADD\SHEETS\C11-WBEANSP_B2-2.DWG PLOT TIME: 07-16-24, 1:33 PM)



SIGNATURE C. D. Amos 4/30/2018
EXPIRATION DATE
OF THE LICENSE

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

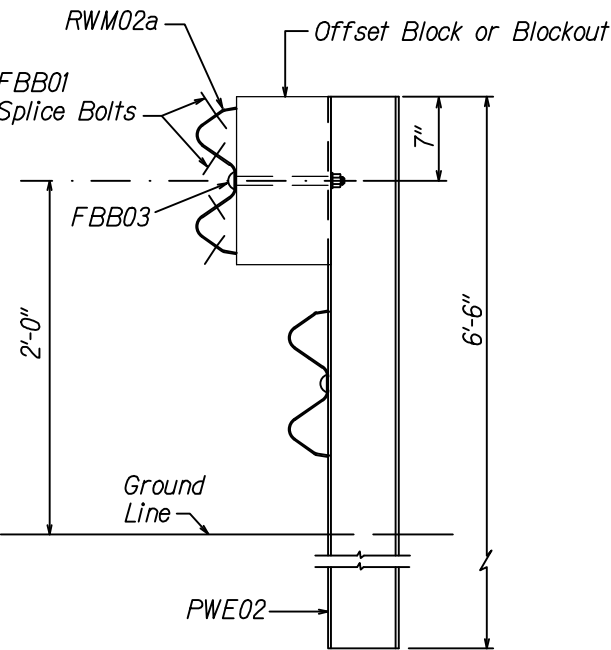
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRONG POST W-BEAM GUARDRAIL

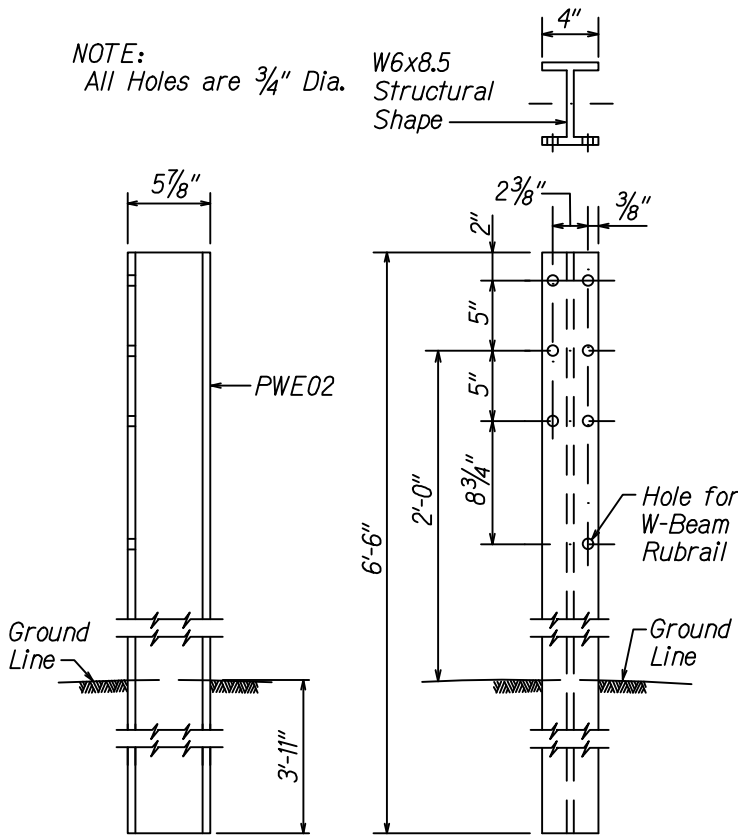
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: NTS Date: Jul. 2024

SHEET No. *C-11* OF *13* SHEETS

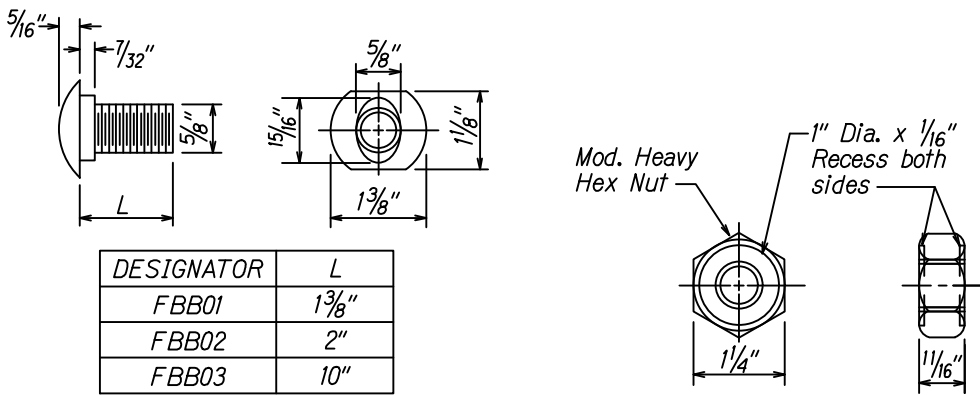


ELEVATION
STRONG POST RUBRAIL
(W-BEAM) GUARDRAIL



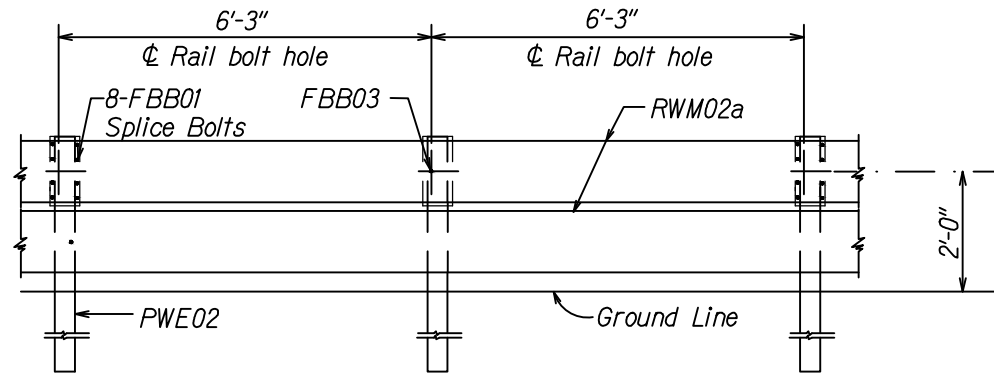
SIDE
W-BEAM STRONG POST (PWE02)

FRONT

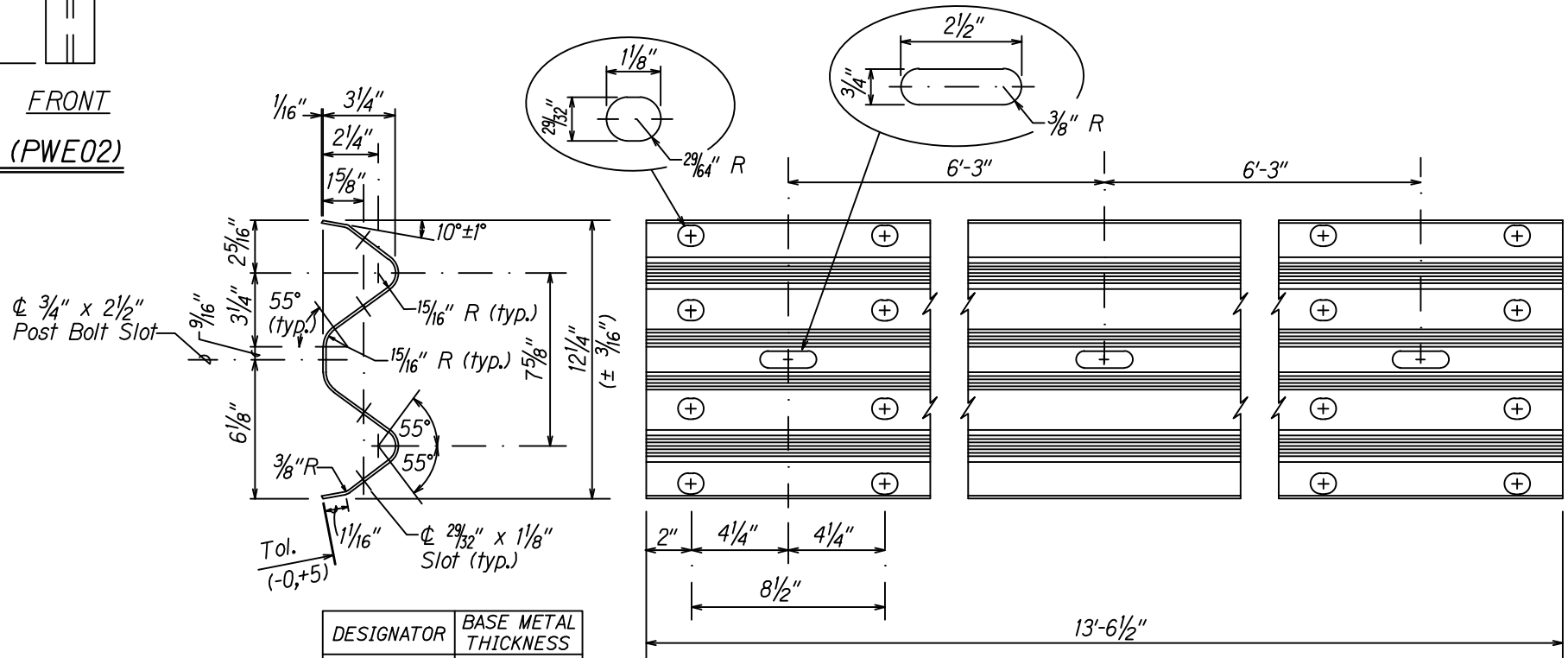


DESIGNATOR	L
FBB01	1 3/8"
FBB02	2"
FBB03	10"

GUARDRAIL BOLTS AND RECESSED NUT

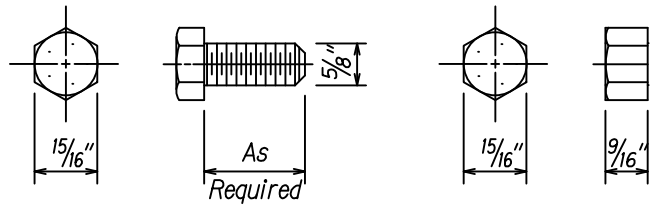


ELEVATION
STRONG POST RUBRAIL (W-BEAM) GUARDRAIL WITH
RECYCLED OFFSET BLOCK OR PLASTIC BLOCKOUT



DESIGNATOR	BASE METAL THICKNESS
RWM02a	12 Gauge

2 SPACE W-BEAM GUARDRAIL (RWM02a)



HEX BOLT & NUT (FBX16a)



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRONG POST RUBRAIL
(W-BEAM) GUARDRAIL

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: NTS Date: Jul. 2024

SHEET No. C-12 OF 13 SHEETS

DESIGNED BY	DATE
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IN CHARGE	
NOTED BY	
QUANTITIES BY	
REVISIONS	

DRAWING NAME: T: 30801030.00-KAHOLOSTREAMBRIDGE (CADD) SHEETS C-12-RUBRAIL-B4-3.DWG PLOT TIME: 07-16-24 1:33 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	22	85

GENERAL NOTES

1.

Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2.

Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. The costs shall be incidental to the various pavement marking items.
3.

Final locations of all signs shall be approved by the Engineer prior to any installation work.
4.

Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
5.

All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape's manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
6.

The Contractor shall erect advanced construction warning signs at the beginning and at the end of the project site. Construction warning signs shall be placed as indicated on the plans or as directed by the Engineer. The signs shall be kept in place for the duration of the project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 - Work Zone Traffic Control.
7.

Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
8.

Backing for all new regulatory and warning signs shall not be spliced.
9.

All sign panels shall conform to Section 630, 631 and 632 of Special Provisions, DOT standard plans, and the latest editions and amendments of the following FHWA publications:

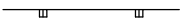
a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
10.

Removal of existing signs, delineators and posts, as directed by the Engineer or as shown on the plans, shall be considered incidental to the various signing items.
11.

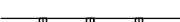
All existing signs and posts that are to remain but are removed for the Contractor's convenience shall be re-installed at no cost to the State.

PAVEMENT MARKING AND SIGNING LEGEND:

- 1



8" White Edge Stripe with Type C Raised Pavement Markers at 40' o.c.
- 2



4" Double Yellow Stripe with Type D Raised Pavement Markers at 20' o.c.

SIGNING NOTES:

1.

Sign details shall conform to the latest editions and amendments of the following FHWA publications: "Manual on Uniform Traffic Control Devices for Streets and Highways", "Standard Highway Signs" and "Standard Alphabets for Highway Signs".
2.

For Miscellaneous Sign Details, see Standard Plan TE-01 to TE-07, TE-14, & TE-15.
3.

Existing Signs to be removed shall be disposed of by the Contractor. Removal of signs shall also include the removal of post and foundation to a minimum height of 1-foot below the ground.
4.

The Contractor shall backfill all holes, depressions and pits left by the removal of the existing signs with embankment material and grass all areas exposed.
5.

Trim existing vegetation for installation of the sign and to provide a clear view of the sign.

PAVEMENT MARKING NOTES:

1.

All pavement striping, legends and symbols shall be retroreflective thermoplastic compound pavement markings.
2.

Location of pavement markers is shown schematically. For exact location of markers in relation to stripe, see Standard Plan TE-26.
3.

The Contractor shall remove all RM-2 Markers along the roadside and within the pavement area which conflict with the proposed construction.

ABBREVIATIONS:

- OM

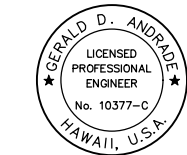
Object Marker
- RM

Reflector Markers
- RPM

Raised Pavement Markers

DESIGNED BY	DATE
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IN CHARGE	
NOTES	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS SS-1 NOTES.DWG PLOT TIME: 07-16-24, 1:35 PM



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

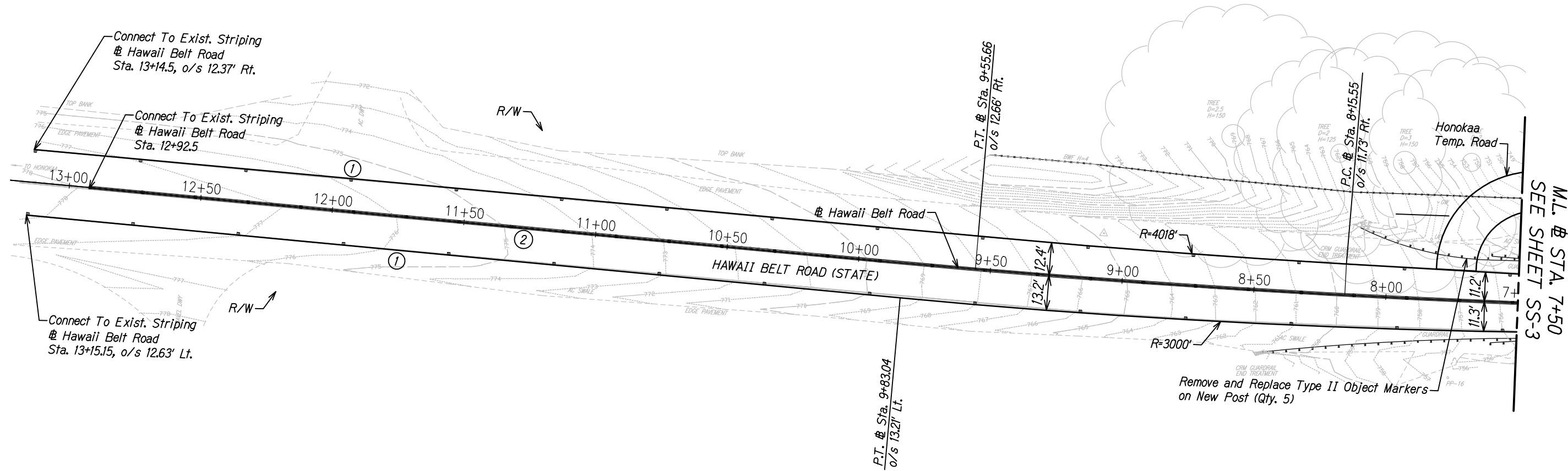
SIGNING AND STRIPING
NOTES

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: None Date: Jul. 2024

SHEET No. SS-1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	23	85

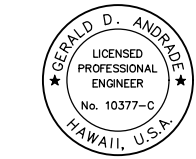


M.L. @ STA. 7+50
SEE SHEET SS-3



DESIGNED BY	DATE
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CHECKED BY	
IN CHARGE	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

DRAWING NAME: T: 30801030.00-KAHOLOSTREAMBRIDGE (CADD) SHEETS SS-2-STRIPING PLAN-1.DWG PLOT TIME: 07-18-24, 1:38 PM



SIGNATURE: *Gerald D. Andrade* 4/30/26
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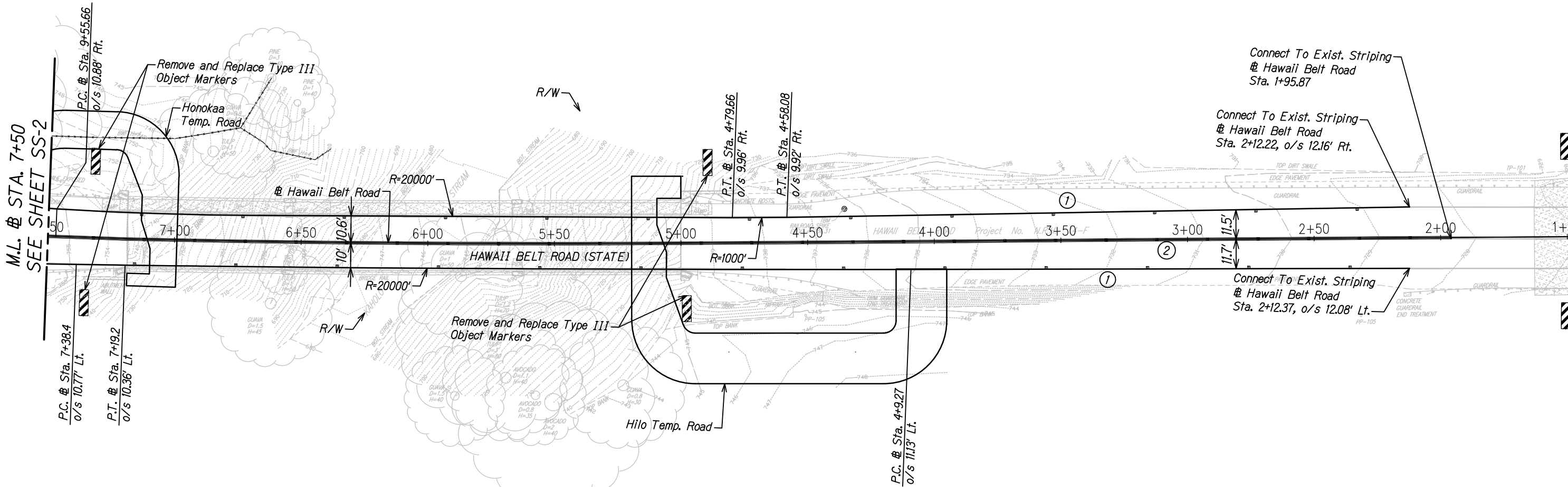
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING
PLAN - 1
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=20' Date: Jul. 2024

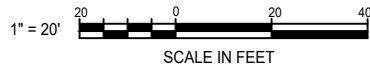
SHEET No. SS-2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	24	85



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CHECKED BY	
IN CHARGE BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

DRAWING NAME: T: 30801030.00-KAHOLOSTREAM BRIDGE (CADD) SHEETS SS-3-STRIPING PLAN-2.DWG PLOT TIME: 07-16-24, 1:36 PM



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING
PLAN - 2
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=20' Date: Jul. 2024

SHEET No. SS-3 OF 3 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	25	85

- 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.
- 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.
- The Contractor shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 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.
- 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.
- 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.
- All traffic lanes shall be minimum of 10 feet wide.
- All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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.

- The Contractor shall provide all sign supports, barrier mounting brackets, and/or posts for construction warning signs.
- 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). Steel plates will not be allowed in the travelway for posted speeds in excess of 35 mph.
- 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.
- The Contractor shall furnish, install, maintain, and remove all traffic control devices shown on the traffic control plans.
- Contractor shall protect all areas below when working on sign structures above, including public streets, service roads, parking lots, private properties, and pedestrian walkways.
- Contractor shall provide MASH TL-3 compliant positive protection barriers and Terminal Impact Attenuators for locations and durations that existing concrete barriers or metal guardrails are removed.
- Type II barricades shall have Type B steady burn amber warning lights.

Legend:



Work Area



Single Post Traffic Sign



Double Post Traffic Sign



Flagger



Police Officer and
Police Vehicle with
Visible Blue Light



Type III Barricade



SIGNATURE: *Gerald D. Andrade* 4/30/26
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL NOTES

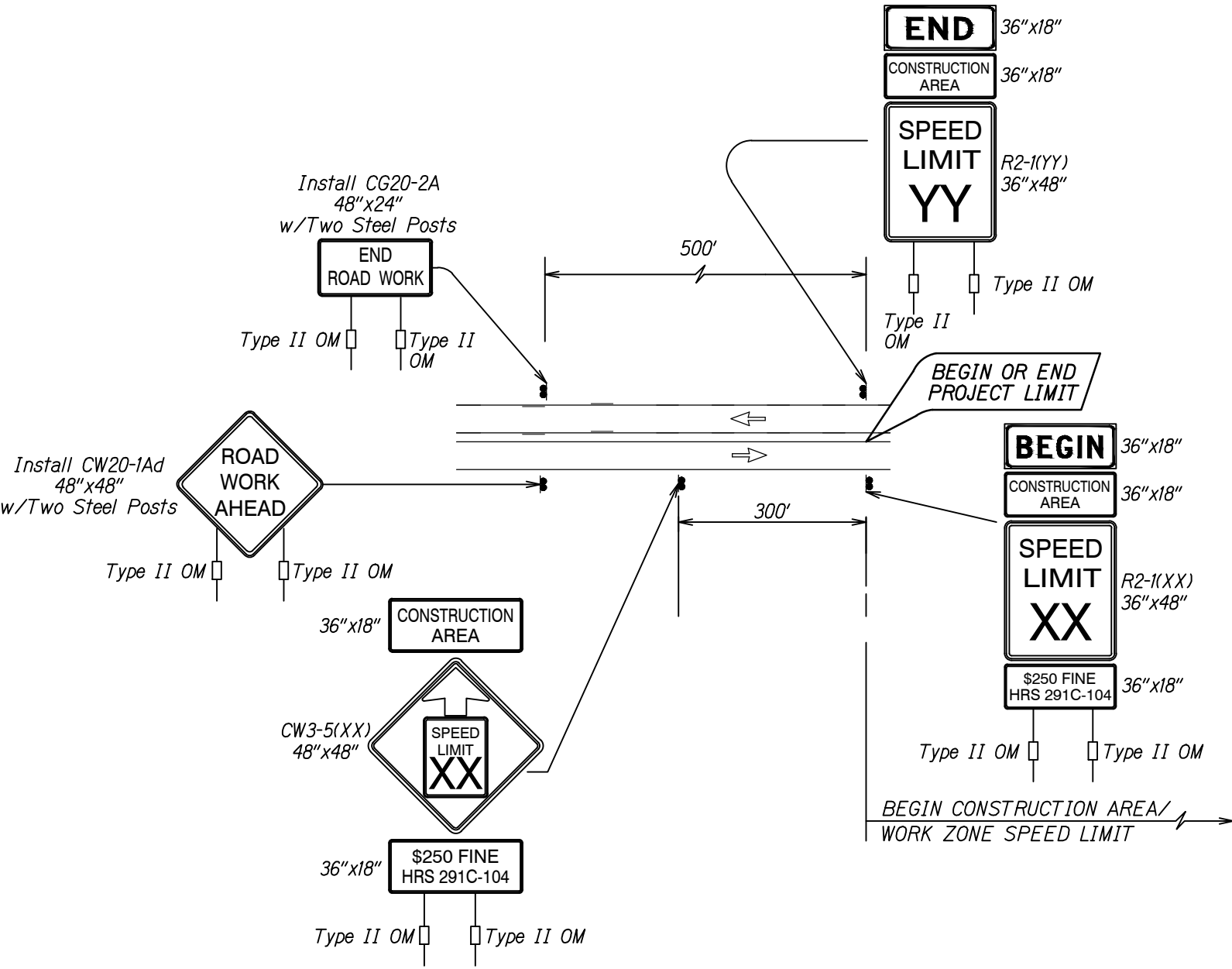
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: None Date: Jul. 2024

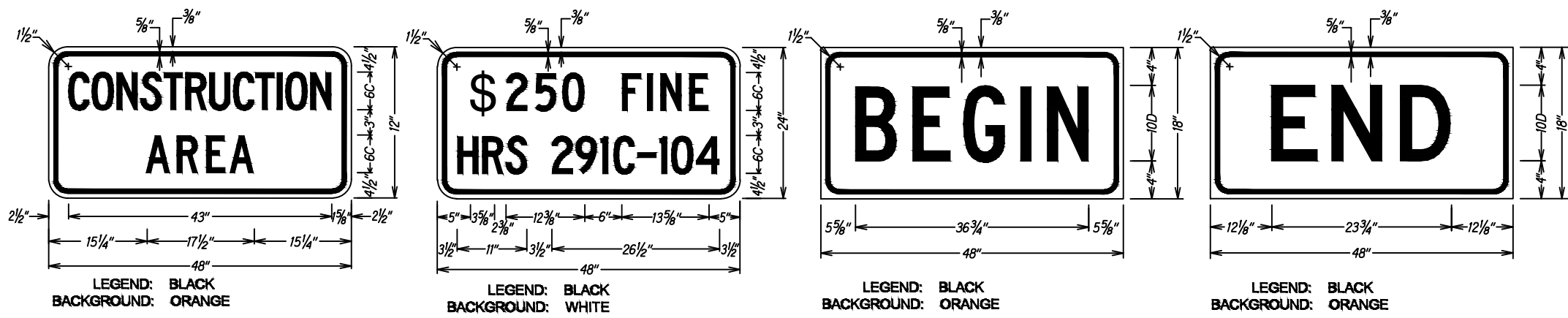
SHEET No. TC-1 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	26	85

- 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 within the work zone/project limits shall be covered and work zone speed limit sign assemblies (R2-1(YY) and CW3-5(35) 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 the various traffic control pay items.
 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 the various traffic control pay items.
 8. For speed limit reduction sign placement see sheets TC-3 thru TC-11.

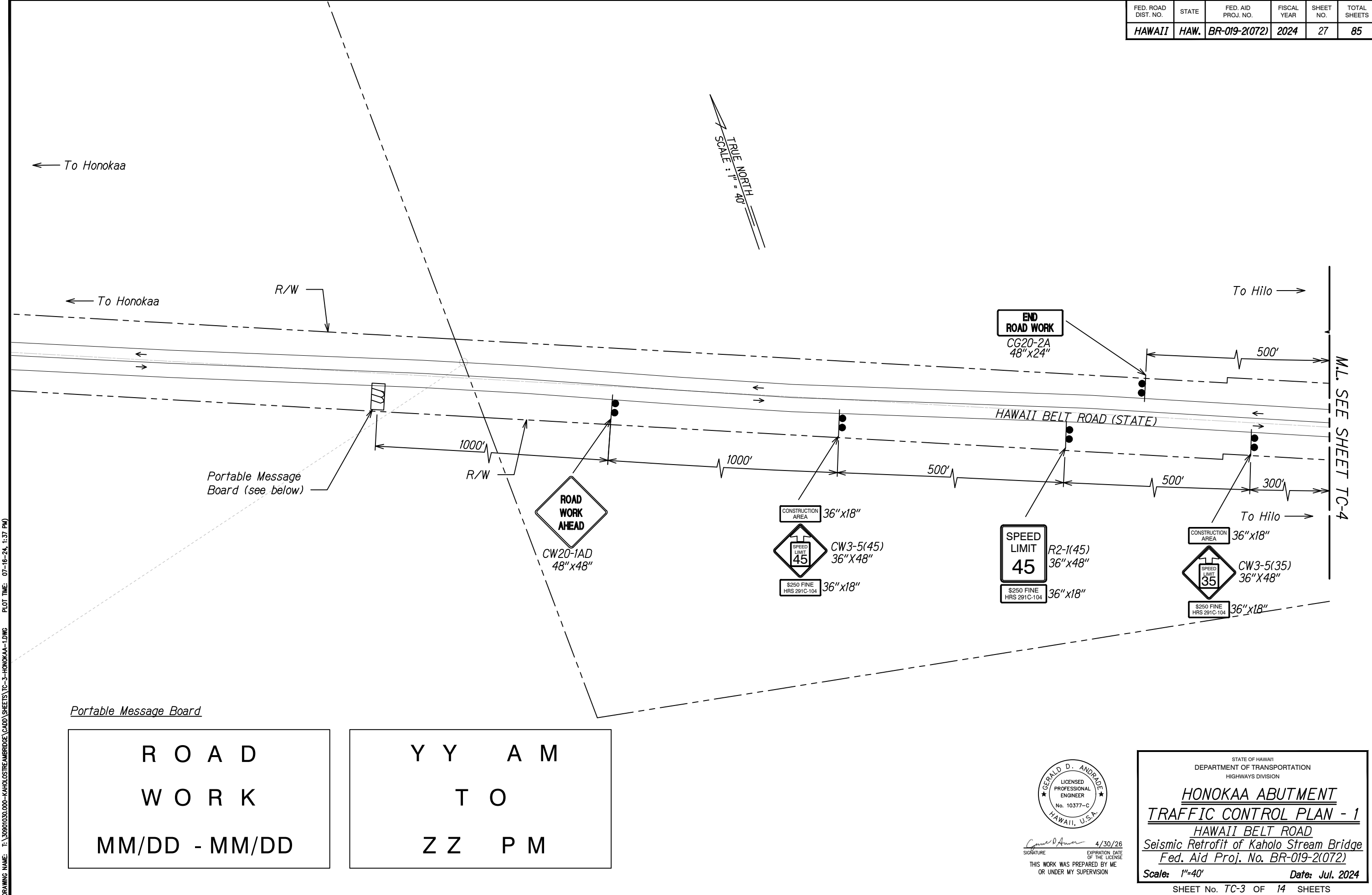


TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON TWO LANE OR MULTILANE UNDIVIDED HIGH SPEED HIGHWAY



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UNDIVIDED HIGHWAY WORK ZONE
SIGNING PLAN, NOTES AND DETAILS
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)
Scale: None Date: Jul. 2024
SHEET No. TC-2 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	27	85



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DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS TC-3-HONOKAA-1.DWG PLOT TIME: 07-16-24 1:37 PM

GERALD D. ANDRADE
LICENSED PROFESSIONAL ENGINEER
No. 10377-C
HAWAII, U.S.A.
4/30/26
EXPIRATION DATE OF THE LICENSE
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HONOKAA ABUTMENT
TRAFFIC CONTROL PLAN - 1
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

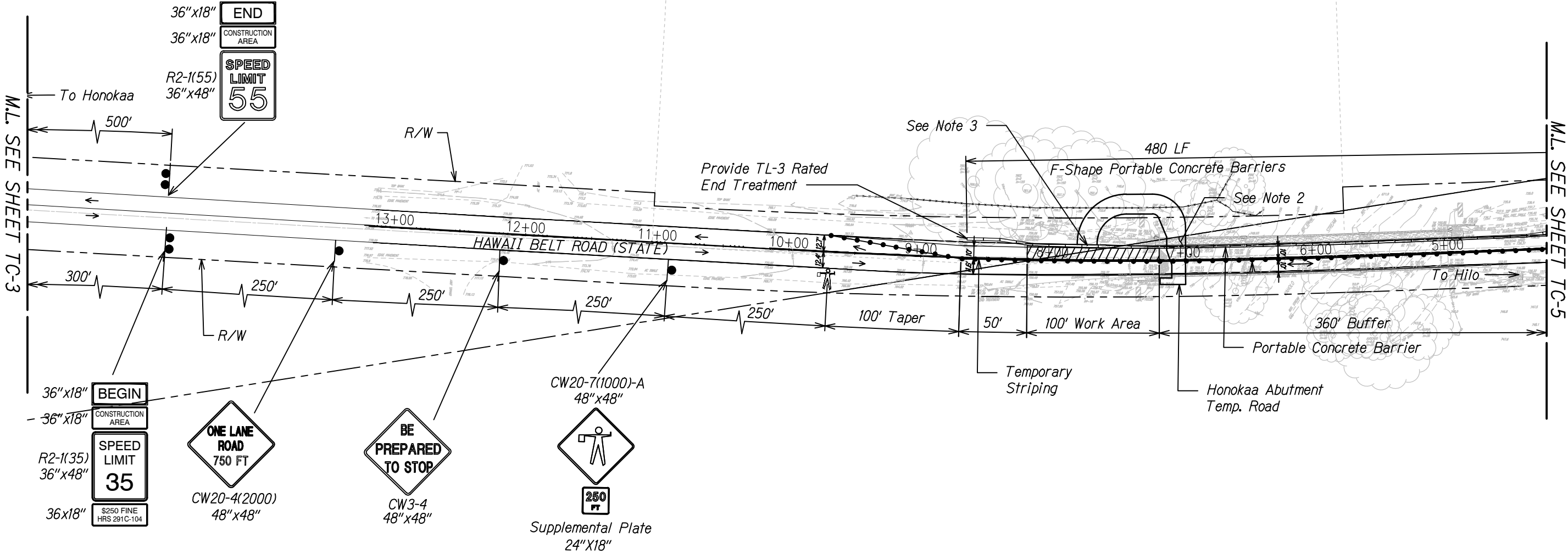
Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-3 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	28	85

- Notes:
- Contractor shall submit a Traffic Control Plan for installation of Portable Concrete Barriers for review and acceptance prior to start of construction. Portable Concrete Barrier ends shall be protected with TL-3 Rated End Treatment, as approved by the Engineer.
 - Pedestrian access through work zone along north side of the bridge shall be maintained at all times. Provide sufficient shoulder width behind portable concrete barriers for cyclists/pedestrians.
 - During working hours, portable concrete barriers that are moved to provide access to the temporary access road must be stored within the access road area. Opening in Portable Concrete Barriers for access must be closed during Non-Working Hours. This cost shall be considered incidental to 651.0300 Install, Maintain, Relocate, and Remove F-Shape-Portable Concrete Barrier.

TRUE NORTH
SCALE: 1" = 40'



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APPROVED BY	
DATE	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS TC-4-HONOKAA-2.DWG PLOT TIME: 07-18-24 4:24 PM



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**HONOKAA ABUTMENT
TRAFFIC CONTROL PLAN - 2**

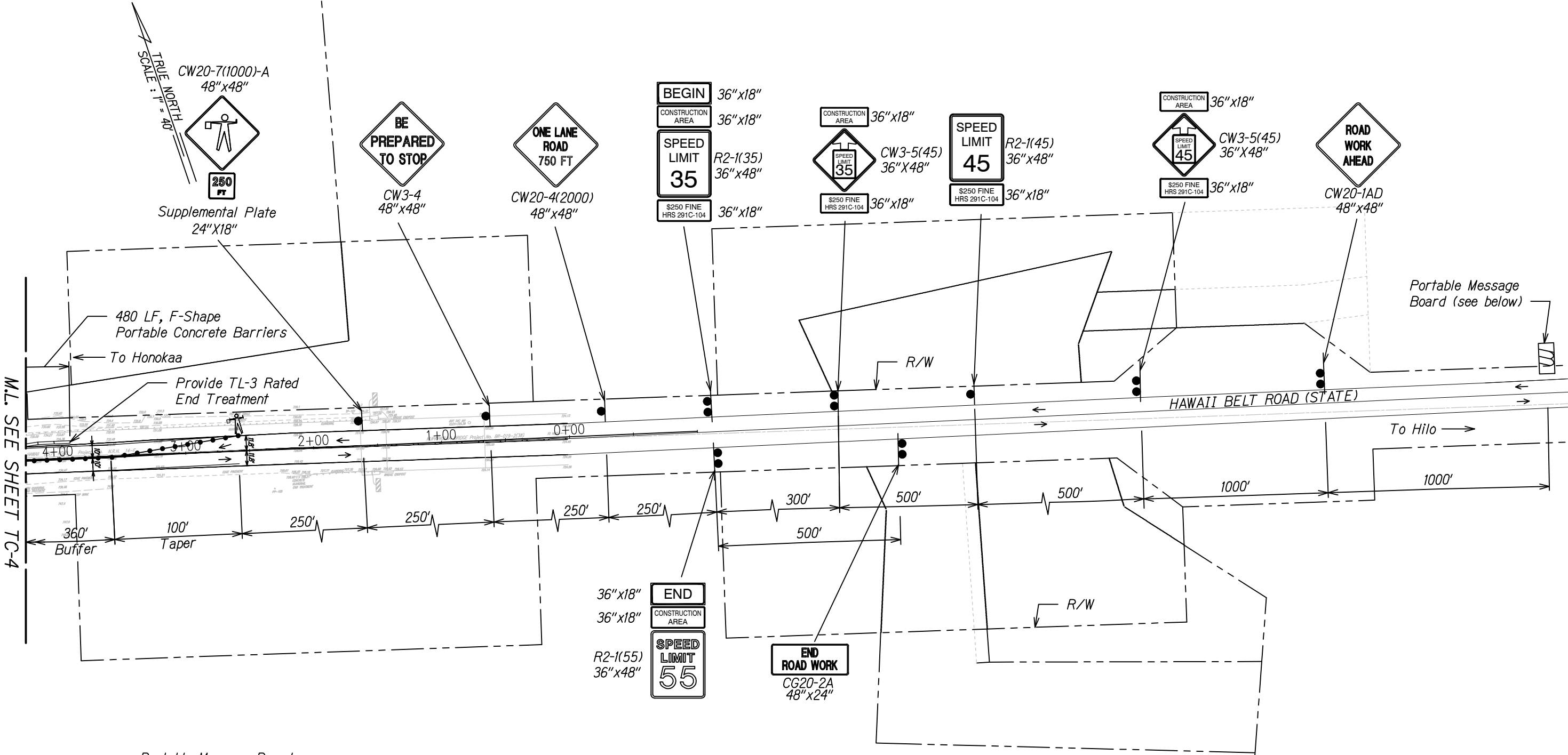
HAWAII BELT ROAD

Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-4 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	29	85



M.L. SEE SHEET TC-4

Portable Message Board

ROAD
WORK
MM/DD - MM/DD

YY AM
TO
ZZ PM



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HONOKAA ABUTMENT
TRAFFIC CONTROL PLAN - 3
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

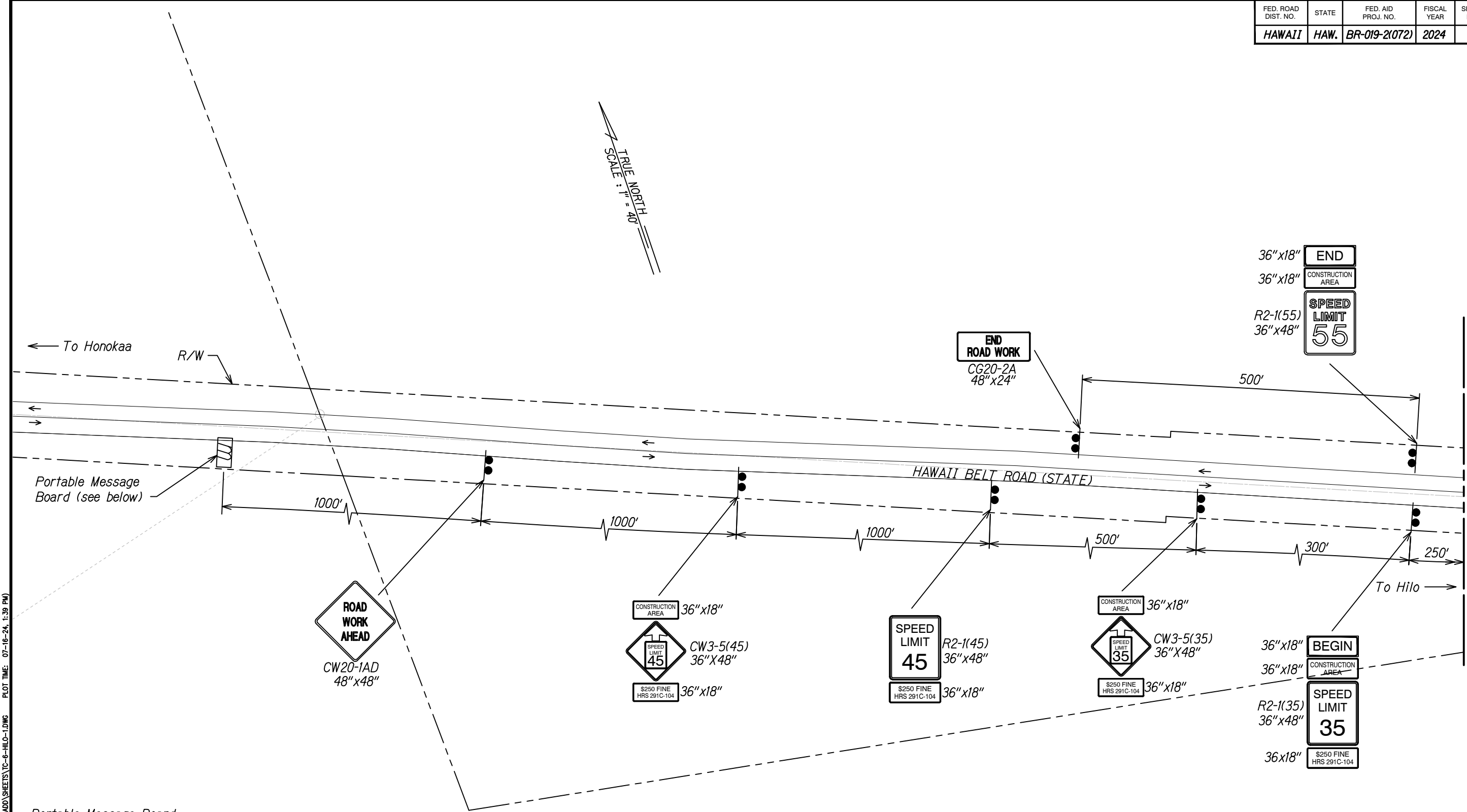
Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-5 OF 14 SHEETS

DESIGNED BY	DATE
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NOTED BY	
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	30	85



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
DATE	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS TC-6-HILO-1.DWG PLOT TIME: 07-16-24 1:39 PM

Portable Message Board

ROAD
WORK
MM/DD - MM/DD

YY AM
TO
ZZ PM

GERALD D. ANDRADE
LICENSED PROFESSIONAL ENGINEER
No. 10377-C
HAWAII, U.S.A.
4/30/26
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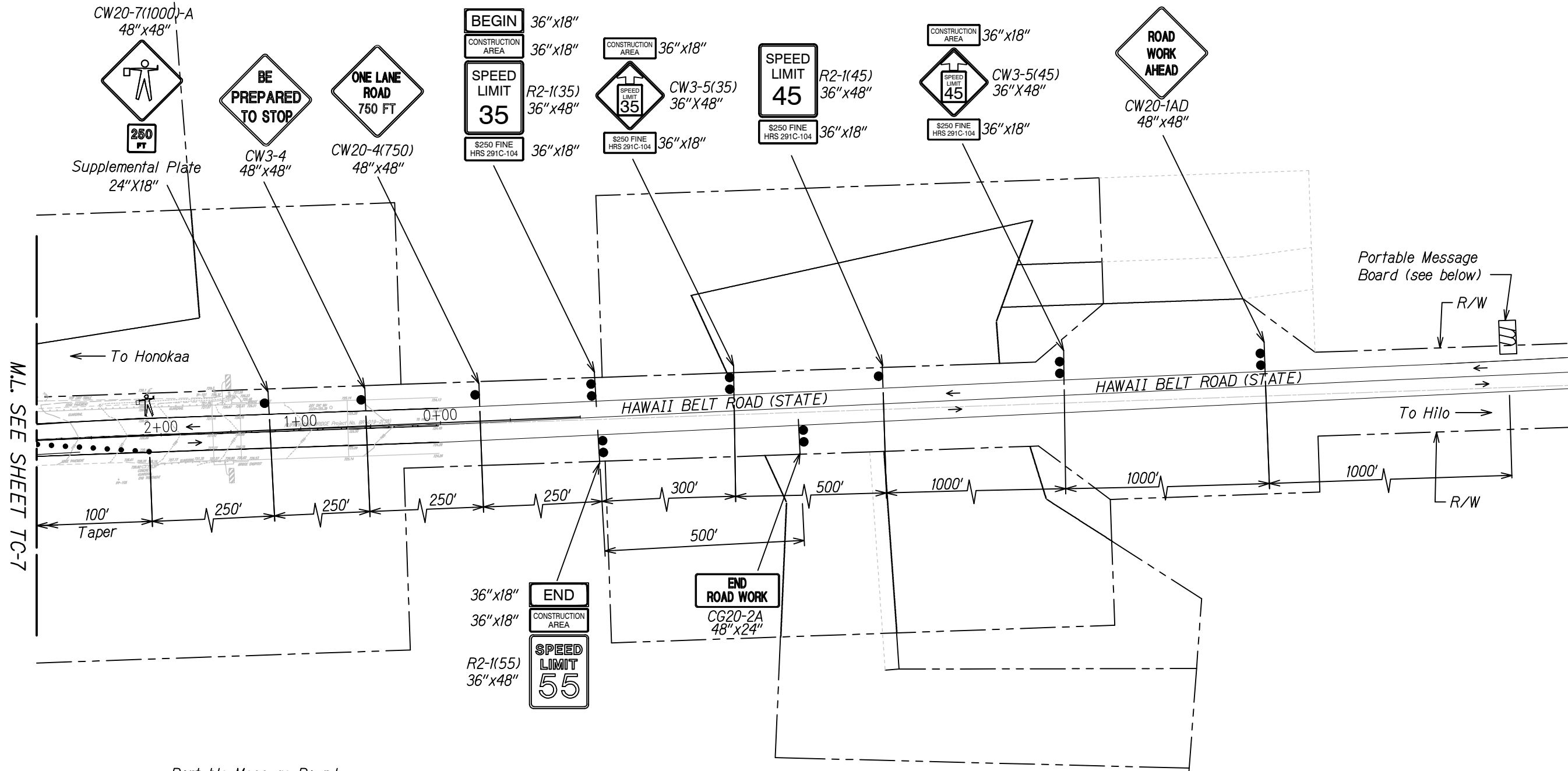
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HILO ABUTMENT
TRAFFIC CONTROL PLAN - 1
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-6 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	32	85



Portable Message Board

ROAD
WORK
MM/DD - MM/DD

YY AM
TO
ZZ PM



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HILO ABUTMENT
TRAFFIC CONTROL PLAN - 3
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

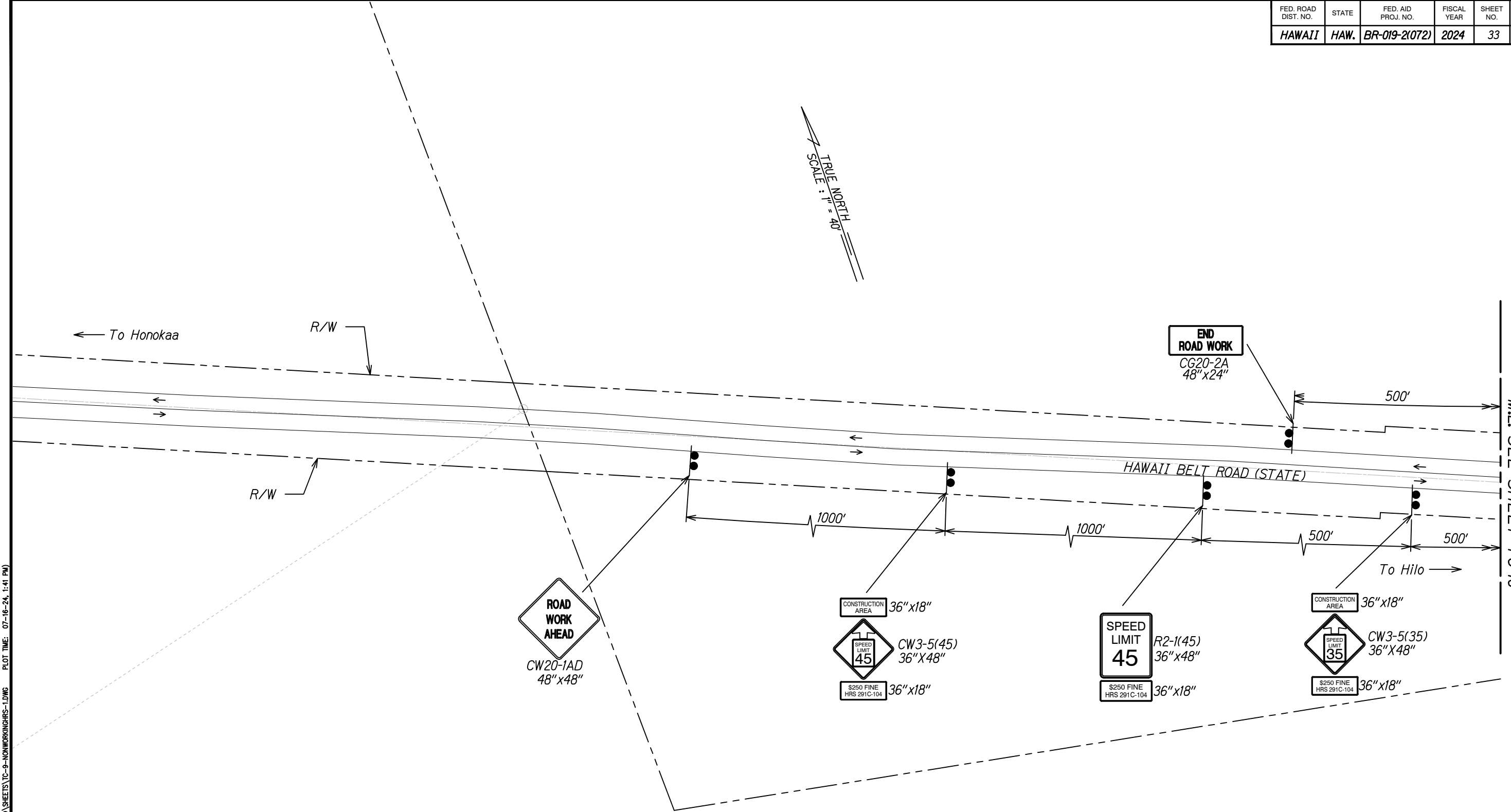
Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-8 OF 14 SHEETS

DESIGNED BY	DATE
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CHECKED BY	
IN CHARGE BY	
APPROVED BY	
NO. 1	
NO. 2	
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NO. 8	
NO. 9	
NO. 10	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS TC-8-HILO-3.DWG PLOT TIME: 07-16-24, 1:41 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	33	85



DESIGNED BY	DATE
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CHECKED BY	
IN CHARGE	
NOTED BY	
DATE	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS TC-9-NONWORKINGHRS-LDWS PLOT TIME: 07-16-24, 1:41 PM



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**NON-WORKING HOURS
TRAFFIC CONTROL PLAN - 1**
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

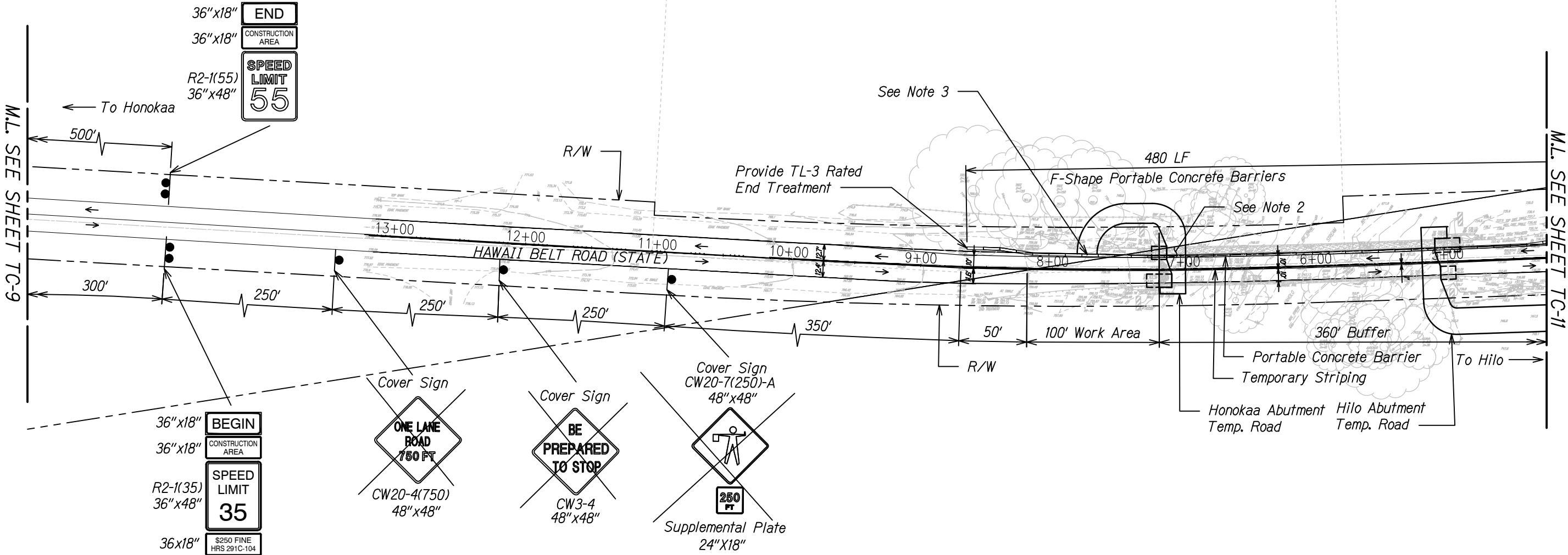
SHEET No. TC-9 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	34	85

Notes:

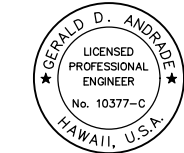
- Contractor shall submit a Traffic Control Plan for installation of Portable Concrete Barriers for review and acceptance prior to start of construction. Portable Concrete Barrier ends shall be protected with TL-3 Rated End Treatment, as approved by the Engineer.
- Pedestrian access through work zone along north side of the bridge shall be maintained at all times. Provide sufficient shoulder width behind portable concrete barriers for cyclists/pedestrians.
- During working hours, portable concrete barriers that are moved to provide access to the temporary access road must be stored within the access road area. Opening in Portable Concrete Barriers for access must be closed during Non-Working Hours. This cost shall be considered incidental to 651.0300 Install, Maintain, Relocate, and Remove F-Shape-Portable Concrete Barrier.

TRUE NORTH
SCALE: 1" = 40'



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
APPROVED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS TC-10-NONWORKINGHRS-2.DWG PLOT TIME: 07-18-24, 4:28 PM



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

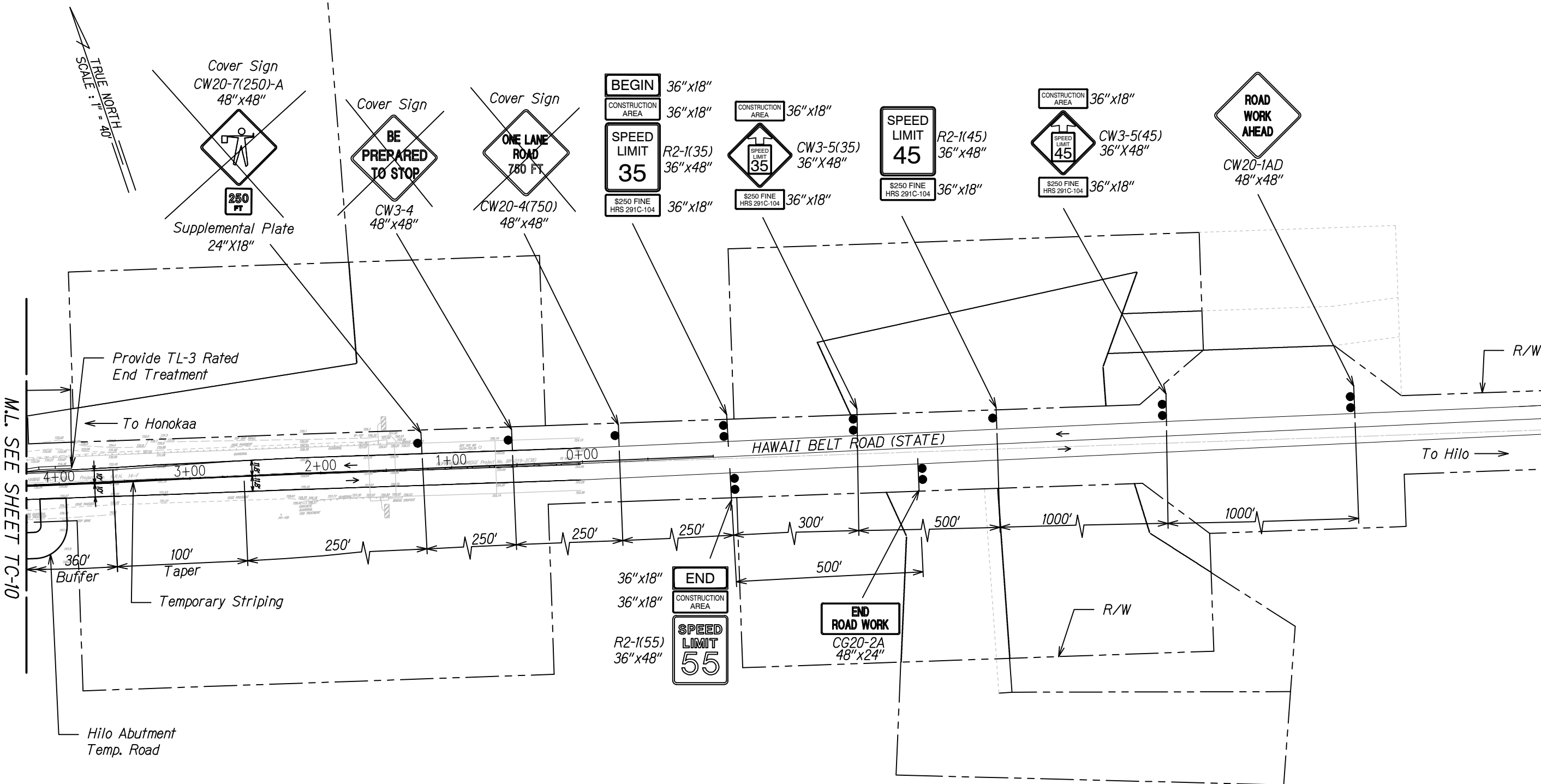
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

NON-WORKING HOURS
TRAFFIC CONTROL PLAN - 2
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-10 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	35	85



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
APPROVED BY	
NOTED BY	
NO. _____	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS TC-11-NONWORKING HRS-3.DWG PLOT TIME: 07-16-24, 1:43 PM

GERALD D. ANDRADE
LICENSED PROFESSIONAL ENGINEER
No. 10377-C
HAWAII, U.S.A.

Signature: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

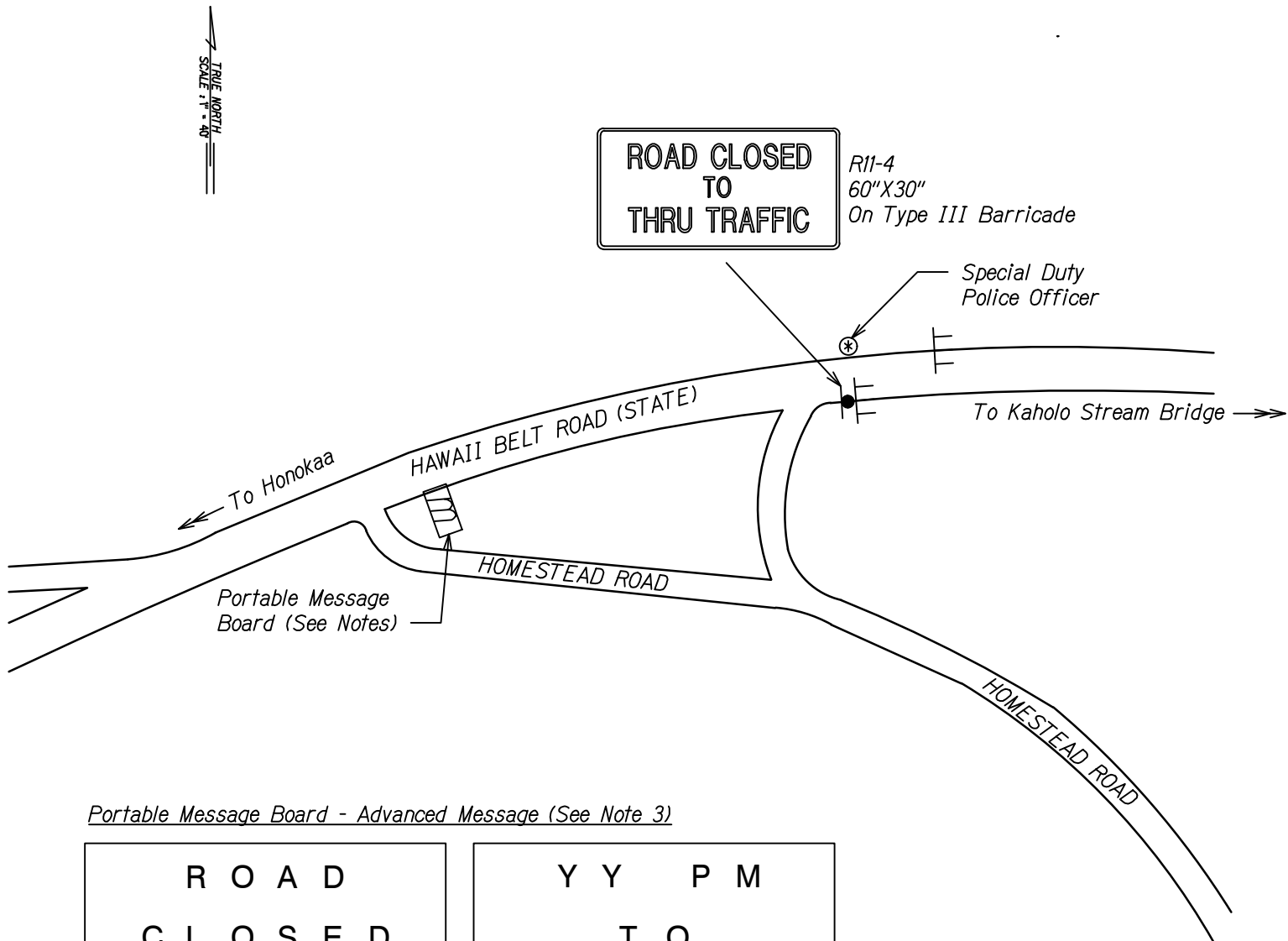
**NON-WORKING HOURS
TRAFFIC CONTROL PLAN - 3**

HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-11 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	36	85



- Notes:**
1. Full closure shall be allowable only at night for bridge jacking operations only and shall be limited to the hours of 12:00AM to 3:00AM. A Noise Variance Permit will be obtained by the State to cover bridge jacking operations.
 2. A minimum of 30 days prior to scheduling full road closure, the Contractor shall coordinate with County/State Emergency Management Services to develop a plan to address passage of emergency vehicles through the work zone during closure.
 3. A minimum of 14 days prior to full closure, the Contractor shall notify the public via newspaper advertisement of the schedule of the closure to the satisfaction of the Engineer. The cost of public notification shall be considered incidental to Traffic Control.
 4. Contractor shall install portable message board warning motorists of night closure a minimum of two weeks in advance. The cost of the portable message board shall be considered incidental to Traffic Control.

Portable Message Board - Advanced Message (See Note 3)

ROAD
CLOSED
MM / DD

YY PM
TO
ZZ AM

Portable Message Board - During Night Closure

ROAD
CLOSED
AHEAD

(Flashing)

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
NO. 1	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS TC-12 - FULL CLOSURE-1.DWG PLOT TIME: 07-22-24, 9:46 AM



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

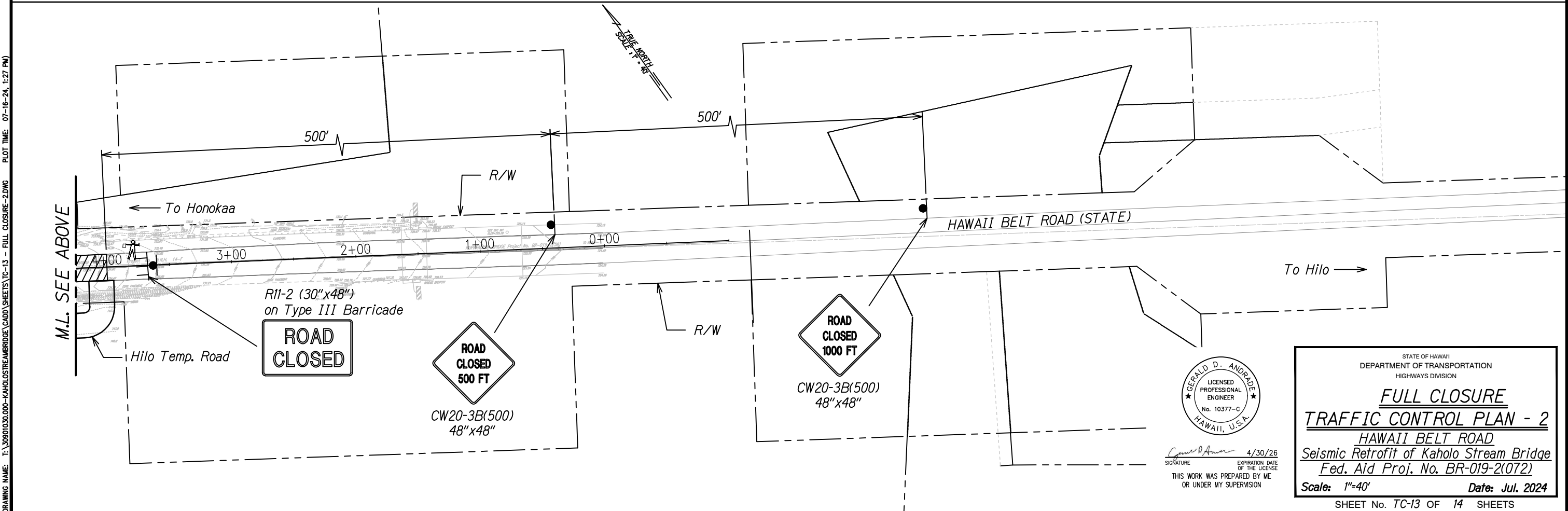
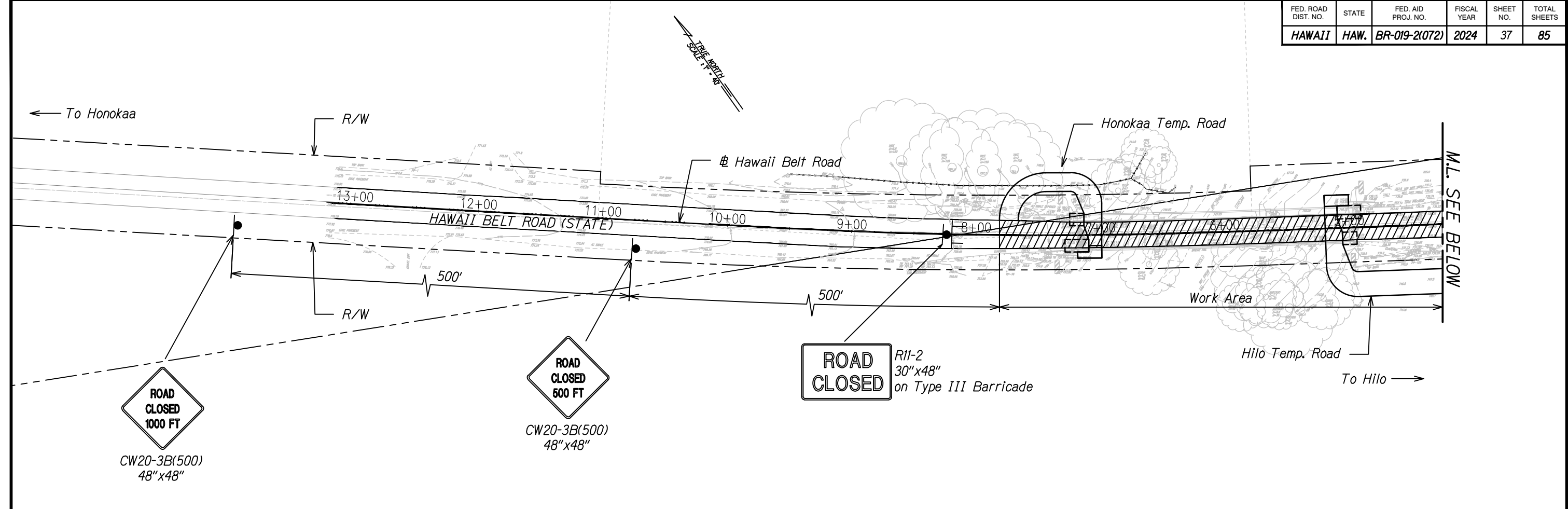
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FULL CLOSURE
TRAFFIC CONTROL PLAN - 1
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: NTS Date: Jul. 2024

SHEET No. TC-12 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	37	85



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
NOTED BY	
DATE	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAMBRIDGE (CADD) SHEETS TC-13 - FULL CLOSURE-2.DWG PLOT TIME: 07-16-24, 1:27 PM



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

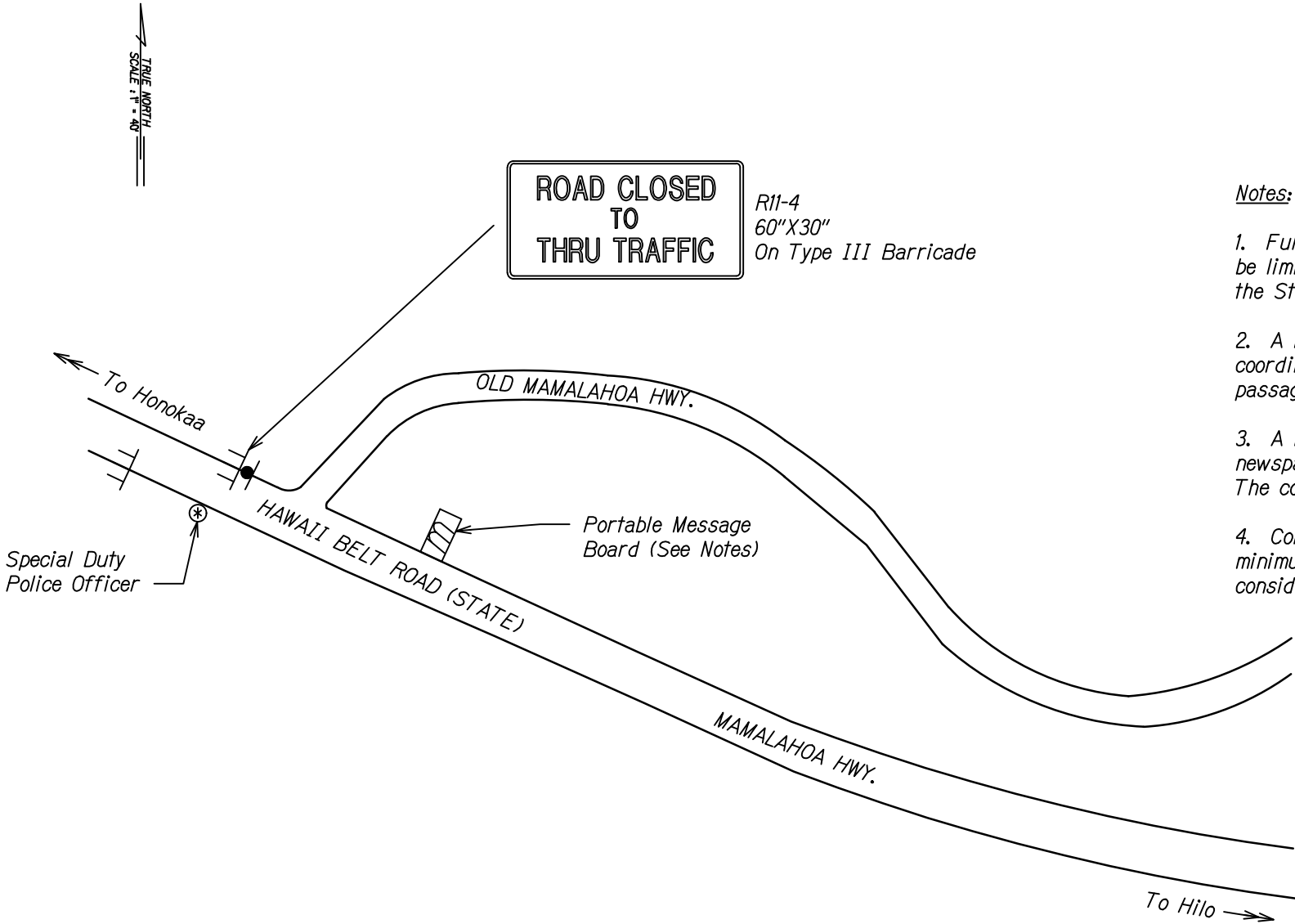
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FULL CLOSURE
TRAFFIC CONTROL PLAN - 2
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: 1"=40' Date: Jul. 2024

SHEET No. TC-13 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(072)	2024	38	85



- Notes:
1. Full closure shall be allowable only at night for bridge jacking operations only and shall be limited to the hours of 12:00AM to 3:00AM. A Noise Variance Permit will be obtained by the State to cover bridge jacking operations.
 2. A minimum of 30 days prior to scheduling full road closure, the Contractor shall coordinate with County/State Emergency Management Services to develop a plan to address passage of emergency vehicles through the work zone during closure.
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Portable Message Board - Advanced Message (See Note 3)

ROAD
CLOSED
MM / DD

YY PM
TO
ZZ AM

Portable Message Board - During Night Closure

ROAD
CLOSED
AHEAD

(Flashing)

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
REVIEWED BY	
APPROVED BY	

DRAWING NAME: T: 30801030.000-KAHOLOSTREAM BRIDGE (CADD) SHEETS TC-14 - FULL CLOSURE-3.DWG PLOT TIME: 07-22-24, 9:50 AM



SIGNATURE: *Gerald D. Andrade* 4/30/26
EXPIRATION DATE OF THE LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FULL CLOSURE
TRAFFIC CONTROL PLAN - 3
HAWAII BELT ROAD
Seismic Retrofit of Kaholo Stream Bridge
Fed. Aid Proj. No. BR-019-2(072)

Scale: NTS Date: Jul. 2024

SHEET No. TC-14 OF 14 SHEETS