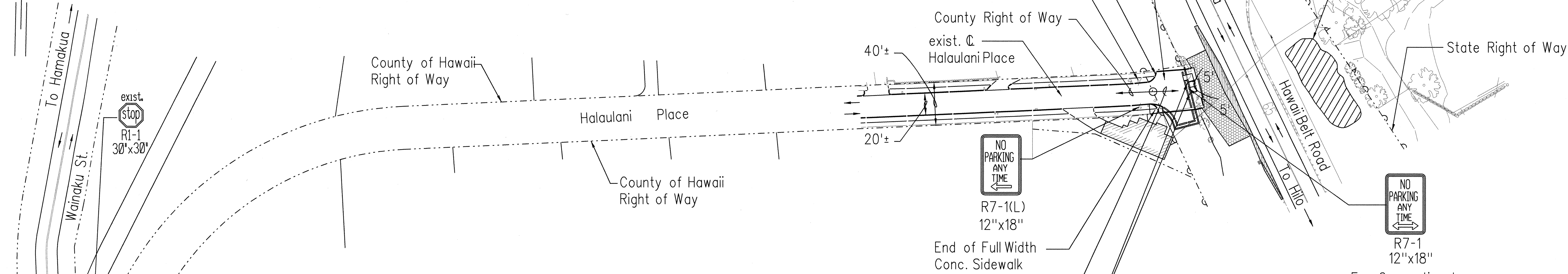


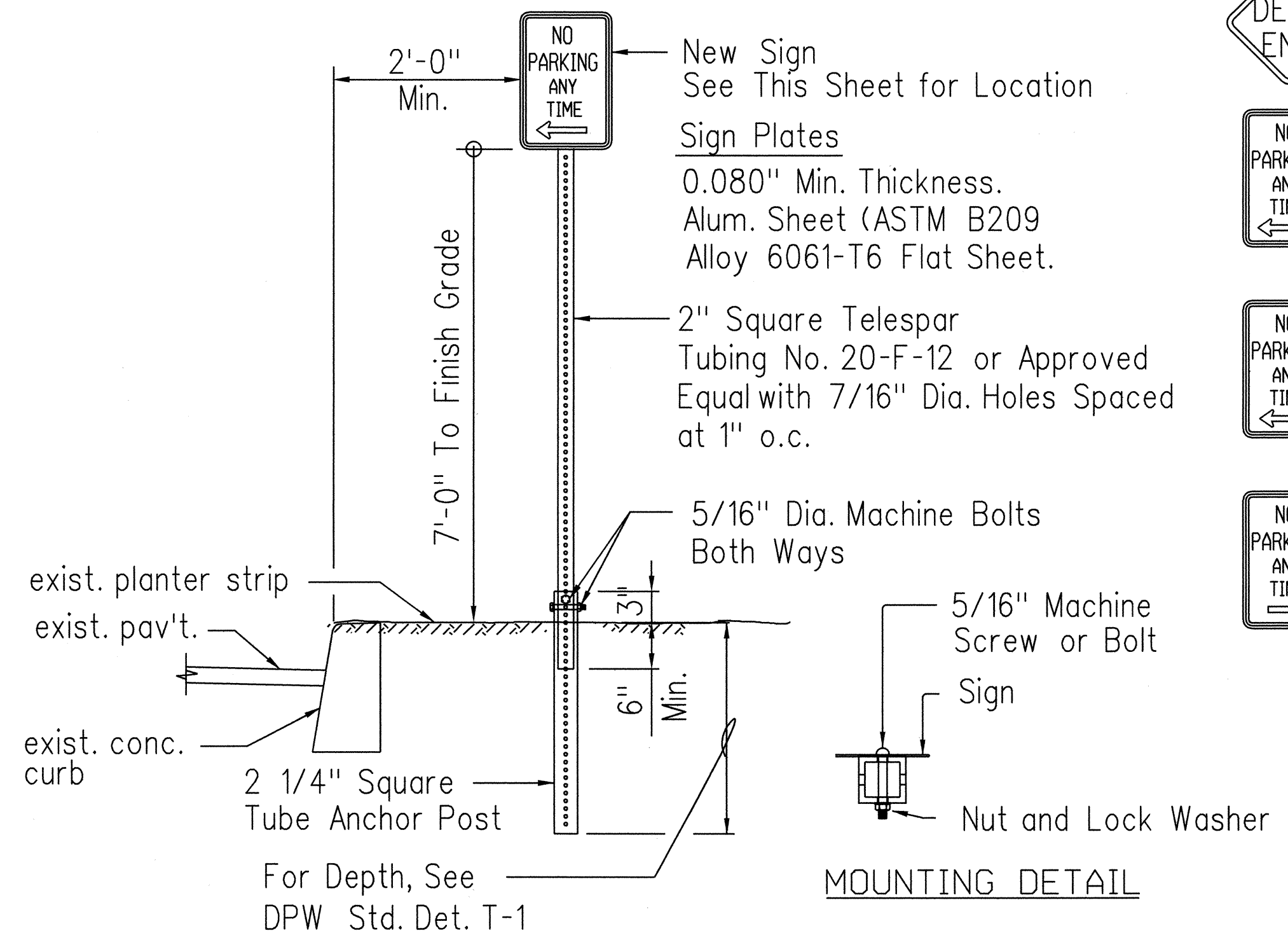
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(50)	2006	18	43

TRUE NORTH
SCALE: 1" = 50'



HALAULANI PLACE - SIGNING PLAN
Scale: 1"=50'

exist. **DEAD END** W14-1 30"x30"
Approx. Location of Exist. "Dead End" Sign.
Replace Exist. "Dead End" Sign w/ New.
(High Intensity Sheeting)



- R14-1 30"x30"
- R7-1(D) 12"x18"
- R7-1(L) 12"x18"
- R7-1(R) 12"x18"

NOTE:
The Inside of the 2 1/4" Anchor Post shall be Kept Free of Impediments to Assure Easy Insertion of the 2" Sign Post.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
INSTR. BOOK	DRAWN BY	
QUANTITIES BY	DESIGNED BY	
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HALAULANI PLACE-SIGNING PLAN

REMOVAL OF HALAULANI BRIDGE
Hawaii Belt Road
Federal Aid Project No. BR-019-2(50)

Scale: AS NOTED Date: July, 2006

SHEET No. 1 OF 2 SHEETS

STANDARD TRAFFIC NOTES (COUNTY)

- All traffic signs and pavement markings shall conform to the latest edition of the "Manual On Uniform Traffic Control Devices", as amended, and applicable sections of Part V of the "Standard Details For Public Works Construction," dated September, 1984, and the "Hawaii Standard Specifications For Road And Bridge Construction," 1994 edition, unless otherwise specified on the plans, specifications, or the Standard Traffic Notes.
- The Contractor shall install permanent or temporary pavement markers, striping and markings as required by Section 629 of the "Hawaii Standard Specifications For Road And Bridge Construction," 1994 edition. The temporary striping must be installed as close as possible to the final location to ensure proper lane widths & safe flow of traffic.
- The Contractor shall inform the Traffic Division at least six (6) working days prior to any work on pavement markings operations and/or sign installations to schedule a review and approval of the striping and/or signing plans.
- The approved striping plan shall be laid out using thinned-out paint or other approved device. Field adjustments shall be made as directed by the Engineer before the final markings are applied.
- All pavement markings that become inapplicable shall be removed by the Contractor at his own expense. Removal shall be by "Sand-Blasting" or by other methods approved by the Engineer before the new pavement markings are applied.
- Pavement striping shall be with pre-mixed reflectorized oil-based lead-free traffic paints, which have been tested and pre-approved by the County of Hawaii. Only the following traffic paints have been tested and pre-approved by the County of Hawaii and are acceptable for use on this project:

Yellow Paint: Centerline V51L002
 White Paint: Centerline V51W002 Pervo 5870RR.


Reflective Thermoplastic Compound Pavement Marking as specified in Sections 629 and 712.55 of the Hawaii Standard Specifications for Road, Bridge and Public Works Construction (1994 Edition) may be used in lieu of paint for all pavement striping. The Contractor shall submit Certificate of Compliance certifying that the thermoplastic material to be used meets the current State of Hawaii, Department of Transportation specifications. Type III Preformed Pavement Marking Tape, A420 or an equal pavement marking tape that is approved by the Traffic Division may be used for crosswalks, stoplines, pavement arrows, alphabets, & symbols.

- All painted pavement striping shall be applied in coats of 0.015 inch nominal thickness each. For striping on fresh a.c. (resurfaced or new pavements), two coats of paint must be applied. Second coat shall be applied only after complete drying of first coat. Wait at least 2 hours between coats. For striping on old existing pavements, one coat shall be sufficient.

- Reflectorized raised pavement markers shall be the regular sized markers with approximate dimensions of 4" X 4" X 0.7". All raised pavement markers must have been tested and pre-approved by the County of Hawaii. The following pavement markers have been tested and pre-approved by the County of Hawaii and are acceptable for use on this project:

Stimsonite Model 911 (4x4)
 Ray-O-Lite "AA" ARS (4x4)

- All traffic signs & posts shall meet the requirements of the County of Hawaii Standard Detail T-1 Except That Flanged Channel Post Will Not Be Acceptable. Signs shall be on aluminum sheeting of 0.080 inch minimum thickness. Sign post shall be 2 inch square telespar tubing NO. 20 F 12 or equivalent with 2 1/4 inch square telespar post.
- All traffic signs shall be completely reflectorized with Type III or Type IV High Intensity Retroreflective Sheeting except that Parking/No Parking & Street Name signs may be engineer grade reflective sheeting.
- The 2-1/4 inch square anchor post for signs shall be driven into the ground, a.c. pavement or concrete sidewalk in accordance with the plans. All damages to the surrounding area shall be repaired to its original condition or better. Before driving into concrete, a neat hole of approximately 3 inch diameter shall be drilled through the concrete prior to the installation of the anchor post. If driving into the concrete or a.c. pavement is not possible without damage to the surrounding concrete or a.c. pavement, a 12"X12" square shall be saw cut and removed prior to the installation of the anchor post and then patched with hot mix to match the existing a.c. pavement, & concrete to match the existing concrete pavement.
- Upon completion of the construction work the Contractor shall restripe all pavement markings within the construction work area and adjacent roadway pavements up to 300 feet beyond the construction area. All signs & markings within the construction area and adjacent areas that have been damaged, removed, or adversely affected by the construction work shall be restored to its original condition or better by the contractor.
- All dedicated streets must have street names which have been approved by resolution or by the Planning Department before acceptance of the street by the County of Hawaii.
- Install Private Road sign on private roadway. Sign shall be on 18" wide x 12" high aluminum plate with 4" black lettering on white reflectorized sheeting.
- All signs & markings for private roadways shall be maintained by the private owners.

TRAFFIC SIGN SUMMARY			
HALAULANI PLACE			
SIGN NO.	LOCATION	MESSAGE	W/1 POST
W14-1	East of Halaulani Place Wainaku St. Intersection	DEAD END	1
18" x 18" "End of Road Marker"	Top of Conc. Barrier Wall, 5' Offset (RT.) from Road C Top of Conc. Barrier Wall, 5' Offset (LT.) from Road C		2
R7-1	Top of Conc. Barrier Wall, 0' Offset from Road C	NO PARKING ANYTIME \leftrightarrow	1
R7-1(L)	49'± West of Conc. Barrier Wall, South Side of Halaulani Place	NO PARKING ANYTIME \leftarrow	1
R7-1(R)	44'± West of Conc. Barrier Wall, North Side of Halaulani Place	NO PARKING ANYTIME \rightarrow	1

HALAULANI PLACE TRAFFIC SIGN ESTIMATED QUANTITIES		
Item No.	Item	Approx. Qty.
621C.4100	Reflector Marker, RM-9 with Post	2 EACH
621B.4100	Regulatory and Warning Sign, R-7 with Post	3 EACH
621B.4300	Regulatory and Warning Sign, W14-1 with Post	1 EACH

ORIGINAL PLAN
 SURVEY PLOTTED BY
 DRAWN BY
 TRACED BY
 DESIGNED BY
 CHECKED BY
 DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
**STANDARD TRAFFIC NOTES
 AND TRAFFIC SIGN SUMMARY**
REMOVAL OF HALAULANI BRIDGE
Hawaii Belt Road
Federal Aid Project No. BR-019-2(50)
 Scale: AS NOTED Date: July, 2006