

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-05M	2006	10R	106

AAR @ Sta. 5+98± to AAR @ Sta. 6+96±, Rt.

Remove 58 L.F. exist. guardrail and posts. Install Terminal Impact Attenuator (Quadguard System QS9003Y or accepted equal). Install 50 L.F. modified double nested Thrie Beam guardrail, with Thrie Beam Transition, 25 L.F. W-Beam Guardrail, and FLEAT-350 at Trailing End and Connect to New Terminal Impact Attenuator at Approach End. For Details, see Plan Sht. Nos. 32 & 42. For guardrail detail at obstruction, see Plan Sht. Nos. 38 & 39.

S.E. Ramp P.C.C. @ Sta. 18+26.79

A.C. Transition 30'x18' Cold Plane & Resurface
S.E. Ramp @ Sta. 17+72± o/s 26' Rt.
Concrete
Begin A.C. Sidewalk Reconstruction or Details, See Plan Sht. No. 44
S.E. Ramp @ Sta. 17+16±
Resurfacing Limit

0+80±
AAR @ Sta. 1+14± to AAR @ Sta. 1+92±, Lt.
Remove 81± L.F. exist. guardrail and posts. Install 81.25 L.F. Strong Post W-Beam Guardrail, with Thrie Beam Transition at Approach End and FLEAT-350 at Trailing End. For FLEAT-350 Connection and Thrie Beam Transition, see Plan Sht. Nos. 42 & 59. Install 94 L.F. Type 2DG Modified Curb & Gutter and 10' Transition to Existing Rolled Curb. See Detail on Plan Sheet 19A & 19B.
AAR @ Sta. 3+98± to AAR @ Sta. 6+20±, Lt.
Remove 37.5 L.F. exist. guardrail and posts. Install 200 L.F. Strong Post W-Beam Guardrail, FLEAT-350 at Approach End and Thrie Beam Transition at Trailing End. For FLEAT-350 Connection and Thrie Beam Transition, see Plan Sht. Nos. 42 & 59. Install 14 L.F. Type 2DG Modified Curb & Gutter and 10' Transition to Existing Rolled Curb. See Detail on Plan Sheet 19A & 19B.

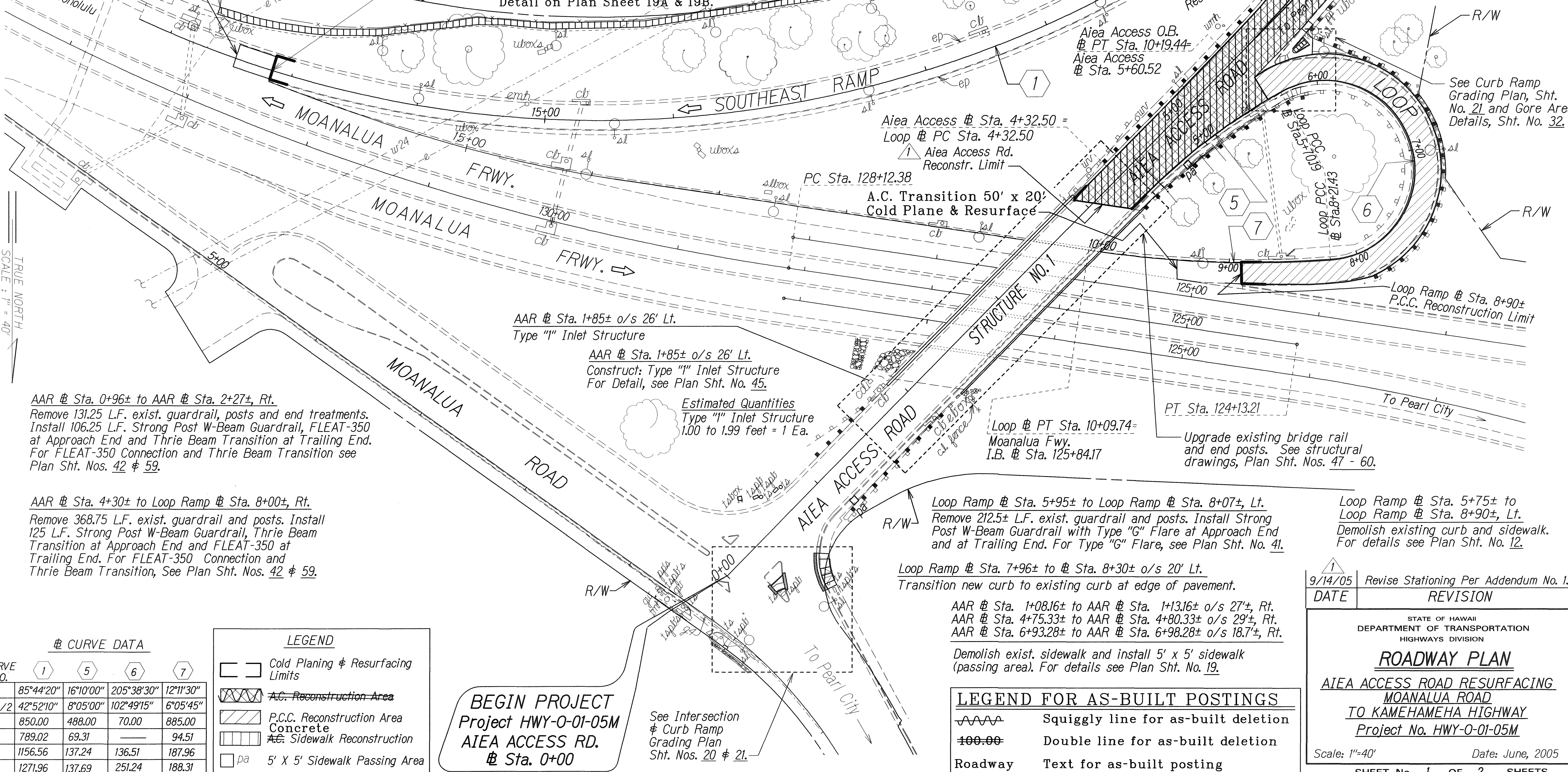
North Access Ramp @ Sta. 7+90±
Begin Conc. Sidewalk Reconstruction.
For details see Plan, Sht. Nos. 17, 18, 19.

S.E. Ramp @ Sta. 9+10± o/s 52' Rt.
End A.C. Sidewalk Reconstruction.
For Details, See Plan Sht. No. 17.

North Access Ramp
@ PCC Sta. 8+01.47
R = 401.24'

North Access Ramp
@ PT Sta. 10+05.72

North Access Ramp @ Sta. 7+60±
Begin Cold Planing & Resurfacing.



AAR @ Sta. 0+96± to AAR @ Sta. 2+27±, Rt.

Remove 131.25 L.F. exist. guardrail, posts and end treatments. Install 106.25 L.F. Strong Post W-Beam Guardrail, Thrie Beam Transition at Approach End and FLEAT-350 at Trailing End. For FLEAT-350 Connection and Thrie Beam Transition see Plan Sht. Nos. 42 & 59.

AAR @ Sta. 4+30± to Loop Ramp @ Sta. 8+00±, Rt.

Remove 368.75 L.F. exist. guardrail and posts. Install 125 L.F. Strong Post W-Beam Guardrail, Thrie Beam Transition at Approach End and FLEAT-350 at Trailing End. For FLEAT-350 Connection and Thrie Beam Transition, See Plan Sht. Nos. 42 & 59.

CURVE DATA

CURVE NO.	1	5	6	7
Δ	85°44'20"	16°10'00"	205°38'30"	12°11'30"
Δ/2	42°52'10"	8°05'00"	102°49'15"	6°05'45"
R	850.00	488.00	70.00	885.00
T	789.02	69.31	—	94.51
C	1156.56	137.24	136.51	187.96
Lc	1271.96	137.69	251.24	188.31

LEGEND

	Cold Planing & Resurfacing Limits
	A.C. Reconstruction Area
	P.C.C. Reconstruction Area Concrete
	A.C. Sidewalk Reconstruction
	5' X 5' Sidewalk Passing Area

LEGEND FOR AS-BUILT POSTINGS

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Roadway Text for as-built posting

DATE	REVISION
9/14/05	Revise Stationing Per Addendum No. 1.

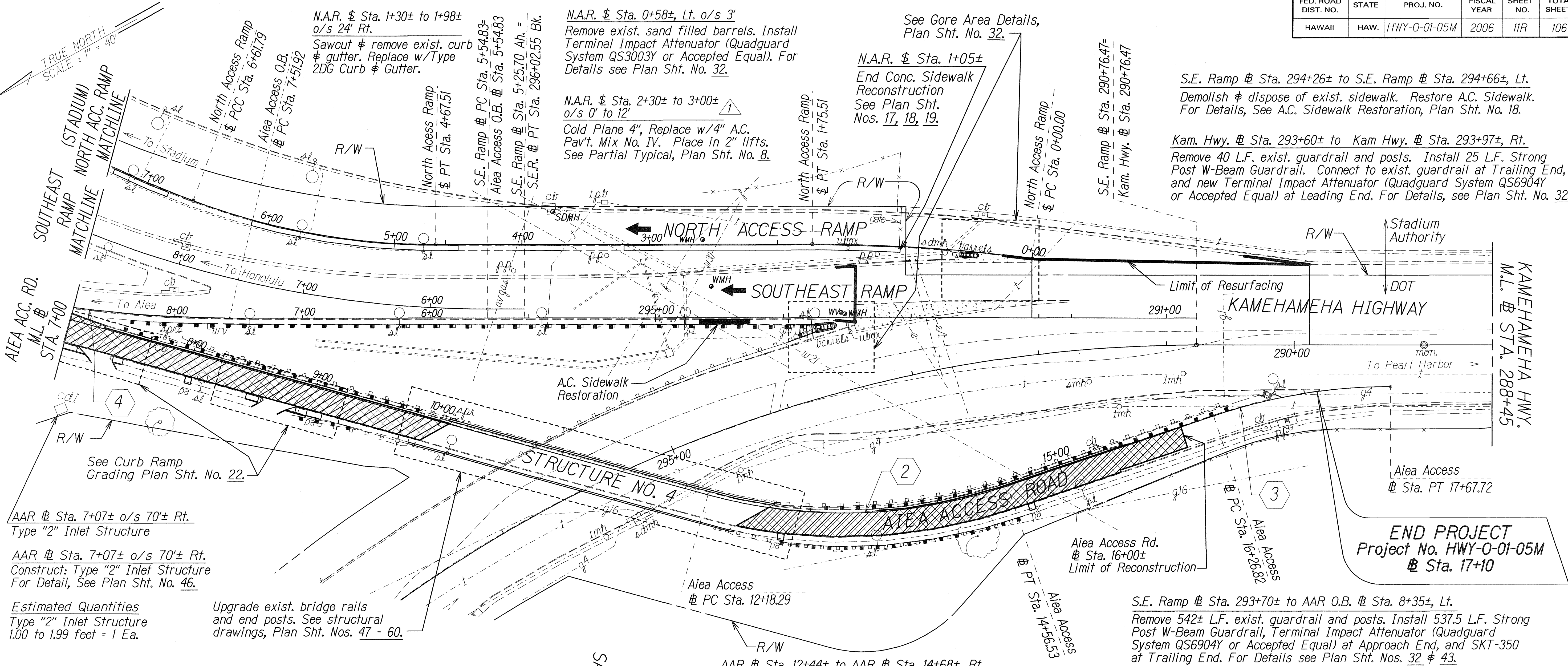
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
AIEA ACCESS ROAD RESURFACING
MOANALUA ROAD
TO KAMEHAMEHA HIGHWAY
Project No. HWY-0-01-05M

Scale: 1"=40' Date: June, 2005
SHEET No. 1 OF 2 SHEETS

AS-BUILT

10R

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HAWAII	HAW.	HWY-O-01-05M	2006	11R	106



N.A.R. Sta. 1+30± to 1+98± o/s 24' Rt.
Sawcut & remove exist. curb & gutter. Replace w/Type 2DG Curb & Gutter.

N.A.R. Sta. 2+30± to 3+00± o/s 0' to 12'
Cold Plane 4", Replace w/4" A.C. Pav't. Mix No. IV. Place in 2" lifts. See Partial Typical, Plan Sht. No. 8.

N.A.R. Sta. 0+58±, Lt. o/s 3'
Remove exist. sand filled barrels. Install Terminal Impact Attenuator (Quadguard System QS3003Y or Accepted Equal). For Details see Plan Sht. No. 32.

N.A.R. Sta. 1+05±
End Conc. Sidewalk Reconstruction See Plan Sht. Nos. 17, 18, 19.

See Gore Area Details, Plan Sht. No. 32.

S.E. Ramp Sta. 294+26± to S.E. Ramp Sta. 294+66±, Lt.
Demolish & dispose of exist. sidewalk. Restore A.C. Sidewalk. For Details, See A.C. Sidewalk Restoration, Plan Sht. No. 18.

Kam. Hwy. Sta. 293+60± to Kam Hwy. Sta. 293+97±, Rt.
Remove 40 L.F. exist. guardrail and posts. Install 25 L.F. Strong Post W-Beam Guardrail. Connect to exist. guardrail at Trailing End, and new Terminal Impact Attenuator (Quadguard System QS6904Y or Accepted Equal) at Leading End. For Details, see Plan Sht. No. 32.

AAR Sta. 7+07± o/s 70± Rt.
Type "2" Inlet Structure

AAR Sta. 7+07± o/s 70± Rt.
Construct: Type "2" Inlet Structure For Detail, See Plan Sht. No. 46.

Estimated Quantities
Type "2" Inlet Structure
1.00 to 1.99 feet = 1 Ea.

Upgrade exist. bridge rails and end posts. See structural drawings, Plan Sht. Nos. 47 - 60.

AAR Sta. 7+35± to AAR Sta. 10+10±, Lt.
Remove 219± L.F. exist. guardrail and posts. Install 250 L.F. Strong Post W-Beam Guardrail SKT-350 at Approach End and Thrie Beam Transition at Trailing End. For SKT-350 Connection and Thrie Beam Transition, see Plan Sht. Nos. 43 & 59.

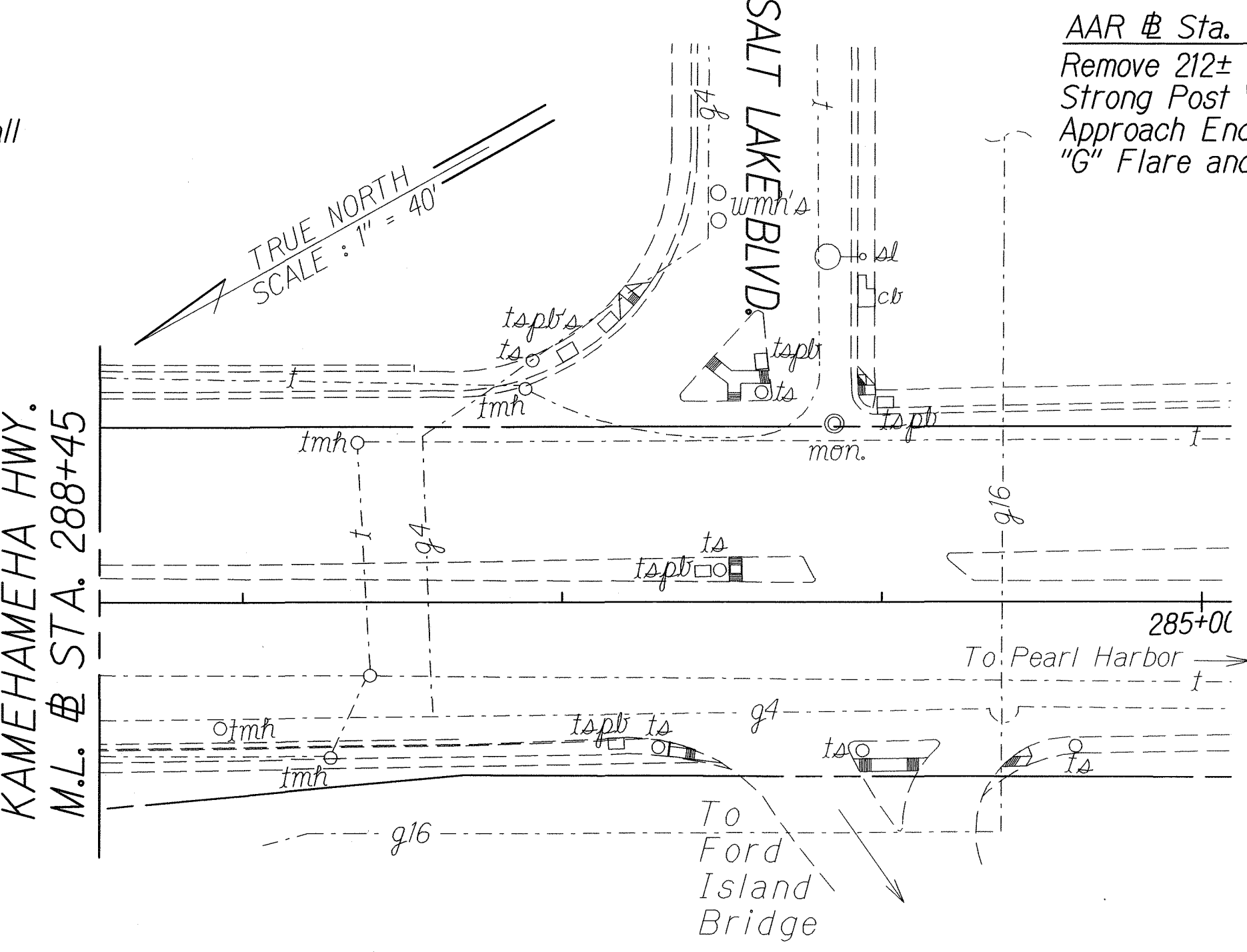
AAR Sta. 7+47± and AAR Sta. 15+30±, Lt.
See Plan Sht. No. 44 for details of Guardrail installation over Catchbasin.

AAR Sta. 12+44± to AAR Sta. 14+68±, Rt.
Remove 212± L.F. exist. guardrail and posts. Install 200 L.F. Strong Post W-Beam Guardrail, Thrie Beam Transition at Approach End and Type "G" Flare at Trailing End. For Type "G" Flare and Thrie Beam Transition, see Plan Sht. Nos. 41 & 59.

AAR Sta. 12+78± to AAR Sta. 16+39±, Lt.
Remove 362± L.F. exist. guardrail and posts. Install 337.5 L.F. Strong Post W-Beam Guardrail, Thrie Beam Transition at Approach End and SKT-350 at Trailing End. For SKT-350 Connection and Thrie-Beam Transition, see Plan Sht. Nos. 43 & 59.

AAR Sta. 8+98± to AAR Sta. 9+81±, Rt.
Remove 81± L.F. exist. guardrail and posts. Install 56.25 L.F. Strong Post W-Beam Guardrail, FLEAT-350 at Approach End and Thrie Beam Transition at Trailing End. For FLEAT-350 connection and Thrie Beam Transition, see Plan Sht. Nos. 42 & 59.

AAR Sta. 8+98.95± to Sta. 9+03.95± o/s 18.6±, Rt.
AAR Sta. 8+94.82± to Sta. 8+99.82± o/s 18.7±, Rt.
AAR Sta. 13+76.6± to Sta. 13+81.60± o/s 19.0±, Rt.
AAR Sta. 14+67.01± to Sta. 14+72.01± o/s 18.9±, Rt.
Demolish existing sidewalk & install 5' x 5' Sidewalk (Passing Area). For details, see Plan Sht. No. 19.



SURVEY PLOTTED BY	DATE
DESIGNED BY	11/14/05
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	

9/14/05	Revise Stationing Per Addendum No. 1.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
AIEA ACCESS ROAD RESURFACING MOANALUA ROAD TO KAMEHAMEHA HIGHWAY Project No. HWY-O-01-05M	
Scale: 1"=40'	Date: June, 2005
SHEET No. 2	OF 2 SHEETS