

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(067)	2016	ADD. 3	17

GENERAL NOTES

- The scope of work for this project includes removing existing guardrail, end treatments and trafiic signs, installing new metal guardrails and and traffic signs, constructing new end treatments.
- The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone Traffic Control.
- At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- All new guardrail shall be Strong Post W-Beam unless noted otherwise.
- All lanes shall be open to traffic during peak hours from 6:30 A.M. to 8:30 A.M., during afternoon peak hours from 3:30 P.M. to 6:00 P.M., and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting operations.
- Earth swale shall be graded to drain. Graded swales and shoulder shall be grassed. This work shall be considered incidental to the various contract items.
- Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
- The Contractor shall provide for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items.
- No section where guardrails have been removed shall be left unattended at the end of each work day. Open sections shall be shielded by NNCHRP-350 compliant devices. Furnishing, installing and maintaining of these devices shall be considered incidental to various contract items.
- Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
- No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Highways Division at telephone no. 241-3000.
- Prior to commencing his operations, the Contractor shall contact the County of Kauai, Department of Water Operations Division (Phone No. 245-5444) and make arrangements for the Department to locate and mark the existing water facilities within the project limits, such as waterlines, valve boxes and manhole frame/covers (including ones that may have been inadvertently paved over on previous resurfacing projects). The tops of the existing valve boxes, manhole frame/covers, etc., shall be adjusted to match the new finished grades noted on the construction plans.

- Underneath guardrails at Kuhio Highway, Route 56, Mile Post 3.7 shall be paved with HMA Pavement Mix No. IV. Refer to Plan Sheets No. 14 for guardrail locations. Grading, compaction, saw cutting, backfilling and parabolic rounding at guardrail locations shall be considered incidental to Item 401.0400 - HMA Pavement Mix no. IV and shall not be pai separately.various contract items and will not be paid separately.
- Prior to construction, the contractor shall contact the various utility agencies for location of existing utilities within the project limits. The Contractor shall locate and protect all existing utilities whether or not shown on the plans, Any costs incurred by damages to existing utilities will be borne by the Contractor. Contractor shall request from One-Call Center, Ph: 1-866-423-7287. The Contractor shall also call the County of Kauai, Department of Water, Ph: 245-5411 and the Wastewater Division, Ph: 241-6642 for toning waterlines and sewerlines respectively.
- All works of toning, probing, hand digging and all other means of utility verifications shall not be paid for separately, but shall be considered incidental to the various contract items.
- Should historic remains such as artifacts, burials, concentrations of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find. The Contractor shall immediately notify the Planning Department at (808) 241-4050 and State Historic Preservation Division at (808) 692-8015, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary.
- Removal and disposal of existing traffic signs, steel rail elements, W-Beam sections, end treatment, concrete foundations, steel rail post and backfilling of resulting holes shall be considered incidental to the various contract items.
- The Contractor shall shop coat all guardrail members and terminal section installed at Kuhio Highway, Route 560, M.P. 6.25. This work shall be considered incidental to the various contract items.
- Removal and disposal of existing portable concrete barriers shall be considered incidental to the various contract items. The Contractor shall deliver these portable concrete barriers to the County of Kauai, Hanalei Baseyard.

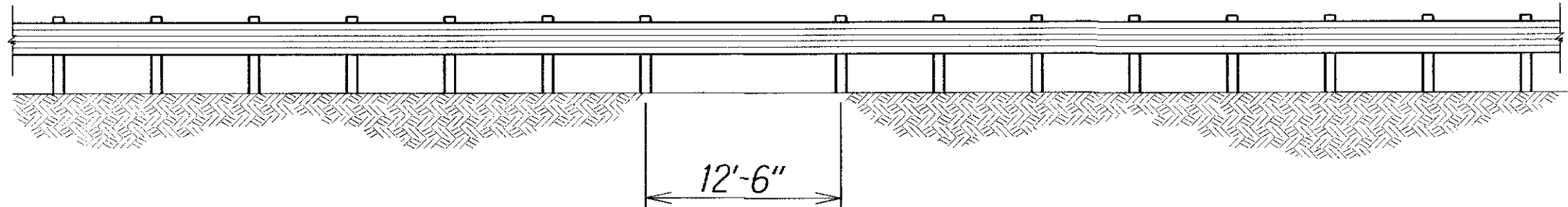
LEGEND

	Existing Power Pole		Existing Metal Guardrail
	Existing Electric Manhole		New Metal Guardrail
	Adjusted Elec. MH Frame/Cover		Adjusted and/or Relocated Metal Guardrail
	Existing Electric Pullbox		Existing Fire Hydrant
	Existing Telephone Manhole		Existing Sewer Line
	Adjusted Tel. MH Frame/Cover		New 12 inch Sewer Line
	Existing Telephone Pullbox		Existing Sewer Manhole
	Existing 12 inch Water Line		Adjusted Sewer Manhole
	Existing Water Manhole		New Sewer Manhole
	Adjusted Water MH Frame/Cover		Existing Monument
	Existing Water Air Valve		Adjusted Monument
	Adjusted Water Air Valve		New Monument
	Existing Water Valve Box		Existing 24 inch Drain Line
	Adjusted Water Valve Box		Existing Storm Drain Manhole
	Existing Water Meter Box		Adjusted Storm Drain Manhole
	Adjusted Water Meter Box		Existing Grated Drop Inlet
	New Type "X" Water Meter Box		
	Existing Traffic Sign		
	New Traffic Sign		
	New Grated Drop Inlet		
	Adjusted/Reconstructed Drain Inlet or Replaced Steel Grate		

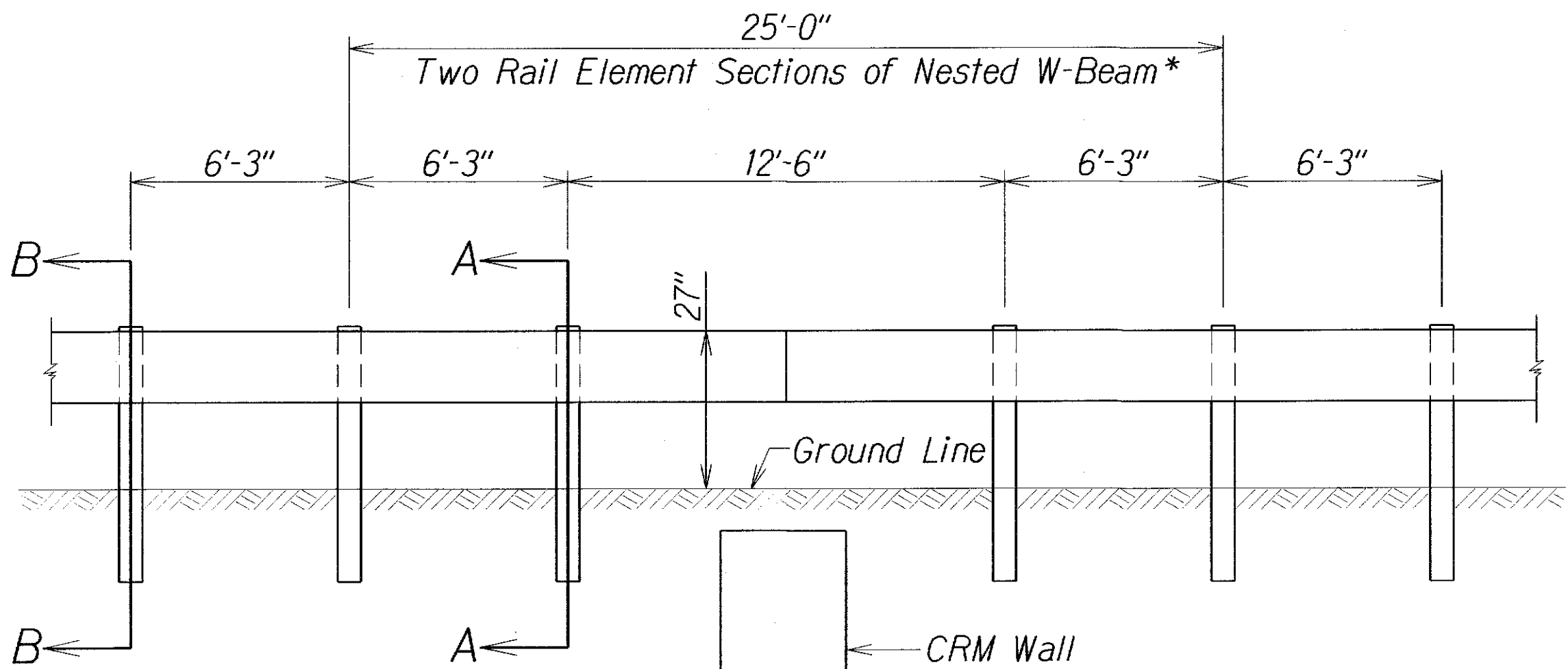
8/4/16	- Revise Note No. 23
8/4/16	- Revise Note No. 17
8/4/16	- Void Note No. 9

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES AND LEGEND GUARDRAIL AND SHOULDER IMPROVEMENTS AT VARIOUS LOCATIONS Kuhio Highway, ROUTE 56 (M.P. 3.70) Kuhio Highway, ROUTE 560 (M.P. 6.25) Fed-Aid Project No. STP-0700(067) Date: August 2016	
SHEET No. 1 OF 1 SHEETS	

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(067)	2016	ADD. 11	17



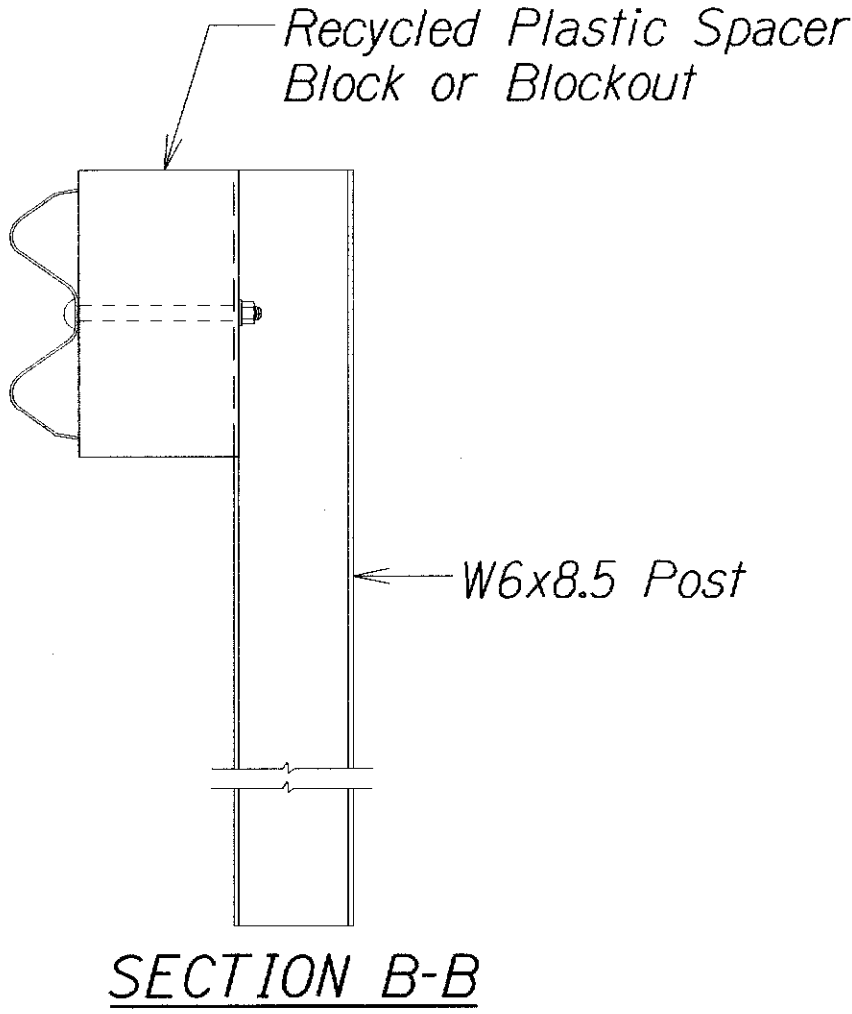
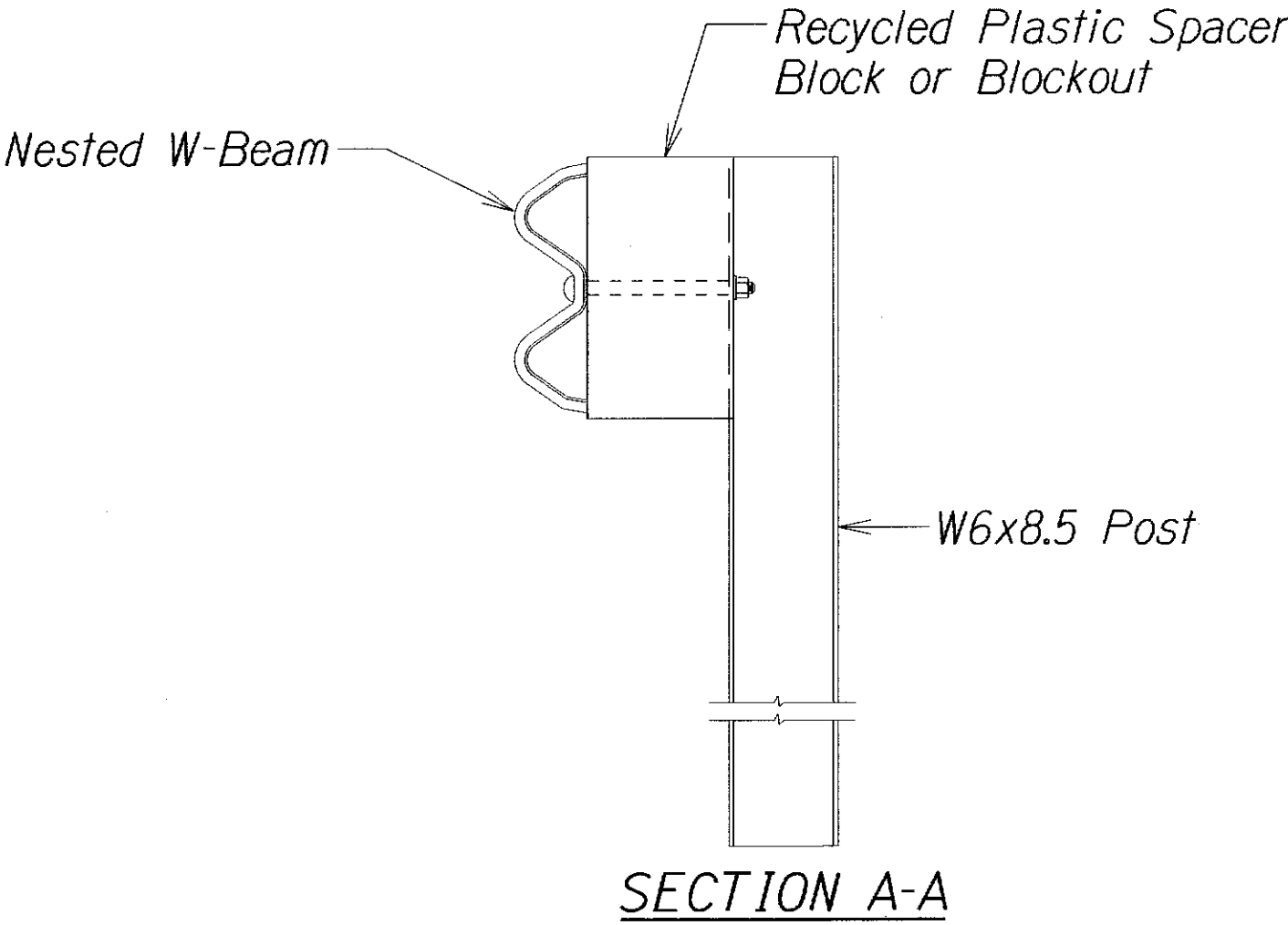
LONG SPAN 12'-6" OVER CRM WALL



(SPlice IN CENTER OF 12'-6" SPACING)

NESTED LONG SPAN STRONG POST
W-BEAM GUARDRAIL OVER CRM WALL
(MAXIMUM DYNAMIC DEFLECTION OF 3.1 FT.)

* Note: All nested W-Beam splices points shall be staggered.



NOTE: All Rail Elements Sections are 12'-6"
and All Posts are 8' Long

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
AS NOTED	QUANTITIES BY	
	CHECKED BY	

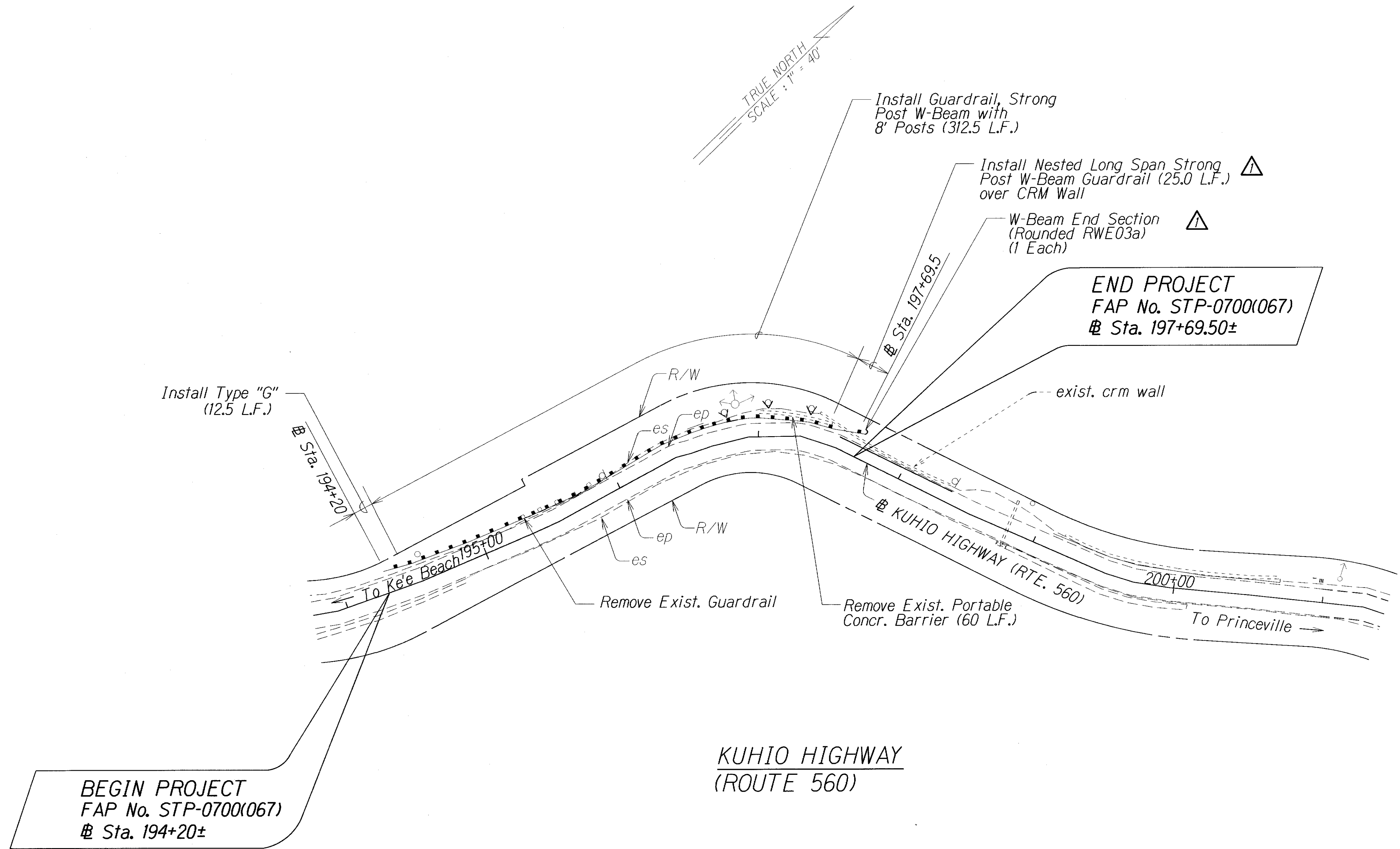
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

NESTED LONG SPAN STRONG POST
W-BEAM GUARDRAIL
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
Kuhio Highway Route 56 (M.P. 3.70)
Kuhio Highway Route 560 (M.P. 6.25)
Fed-Aid Project No. STP-0700(067)

Scale: Not to scale
Date: August 2016

SHEET No. 5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(067)	2016	ADD. 15	17



8/4/16	△ - Notes on W-Beam End Section
8/4/16	△ - Notes on Nested Long Span Strong Post W-Beam
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
GUARDRAIL AND SHOULDER IMPROVEMENTS AT VARIOUS LOCATIONS	
Kuhio Highway, ROUTE 56 (M.P. 3.70)	
Kuhio Highway, ROUTE 560 (M.P. 6.25)	
Fed-Aid Proj. No. STP-0700(067)	
Scale: 1" = 40'	Date: August 2016
SHEET No. 2 OF 2 SHEETS	

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	