

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-19(007)	2018	3	62

**GENERAL NOTES:**

- The scope of work for this project includes reconstructing Waipa Bridge and reconstructing the roadway approaches at the bridge; Improvements include grading, erosion control, traffic control, cold planing, AC pavement reconstruction and overlay, and signing and pavement marking.
- The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-Compliance with this Subsection may be grounds for rejection of bid.
- The Contractor's attention is directed to the following Sections of the Standard Specifications and the Special Provisions: Subsection 104.09 - Maintenance of Traffic; Subsection 104.11 - Utilities and Services; Subsection 105.09 - Coordination Between the Contractors; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 107.12 - Protection of Persons and Property; and Section 645 - Work Zone Traffic Control.
- 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 existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. All existing utility/light poles, overhead utilities and guy poles/wires shall remain in place and operational. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State. No delays or extensions of contract time will be allowed as a result of these required repairs.
- The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities, and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.
- Existing drainage system shall be kept 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.
- Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
- All graded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 641 - Hydro-Mulch Seeding. This work is considered incidental to the various contract items.

**GENERAL NOTES, CONT:**

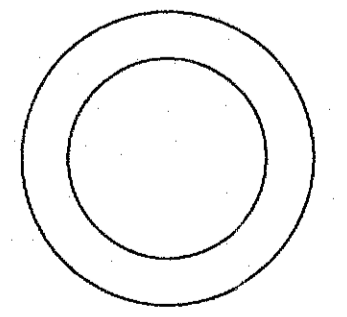
- Contractor shall use Hawaii-licensed Surveyors to stake right-of-way boundaries. Use survey monuments, stake boundary corners and every 500 feet of boundary. Engineer will not pay separately for surveying and will consider the cost as incidental in the contract cost for the various contract pay items.
- All Asphalt Concrete materials from cold planing, reconstruction and roadway excavation operations shall be properly disposed at an authorized facility.
- Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to HMA Pavement Mix No. IV and will not be paid for separately.
- All saw cutting work shall be considered incidental to HMA Pavement, Mix No. IV and will not be paid for separately.
- The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to HMA Pavement, Mix No. IV and will not be paid for separately.
- No material and/or equipment shall be stockpiled or otherwise stored within the State 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 State right-of-way from the State Highways Division at telephone no. 241-3000.
- Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt Concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder. This work shall be considered incidental to the various contract items.
- Any work specified in the contract documents, but not listed separately in the Proposal Schedule, shall be considered incidental to the various contract items and shall not be paid for separately.

**ABBREVIATIONS:**

Az	Azimuth
⊕	Baseline
BVC	Begin Vertical Curve
BMP	Best Management Practices
C	Chord
CRM	Cement Rubble Masonry
d	existing drainline
Elev.	Elevation
EP	New Edge of Pavement
ep	Existing Edge of Pavement
ES	New Edge of Shoulder
es	Existing Edge of Shoulder
EVC	End Vertical Curve
Exist.	Existing
ga	Guy Anchor
GRP	Grouted Rubble Paving
HMA	Hot Mix Asphalt
Lc	Length of Curve
Lt.	Left of ⊕
M.L.	Matchline
o.c.	on center
o/s	Offset
OHWM	Ordinary High Water mark
PC	Point of Curvature
PCC	Point of Compound Curvature
PIVC	Point of Intersection Vertical Curve
pp	Power Pole
PT	Point of Tangency
R	Radius
Rt.	Right of ⊕
R/W	Right-of-Way
S	Slope
Sta.	Station along ⊕
T	Tangent
TW	Top Wall Elevation
V.C.	Vertical Curve

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
CHECKED BY	_____
DATE	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
DATE	_____

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 <small>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</small> SIGNATURE _____ <small>EXPIRATION DATE OF THE LICENSE</small>	<small>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</small> <b>GENERAL NOTES AND ABBREVIATIONS</b> <b>KAUAI EMERGENCY FLOOD REPAIRS &amp; CLEANUP</b> <b>At Various Locations April 2018, Rte. 560</b> <b>Proj. No. ER-19(007)</b> Scale: None Date: OCT. 2018
	SHEET No. N-2 OF 5 SHEETS