


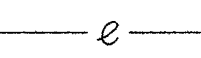
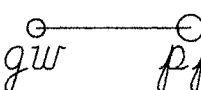
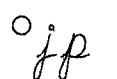

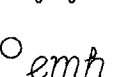

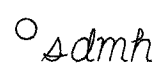

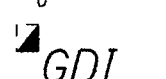

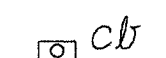

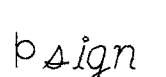
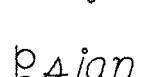
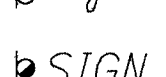

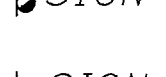
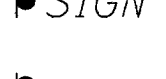

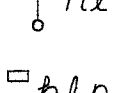
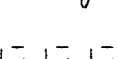

FED. ROAD DIST. NO.	STATE	FEDERAL-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-1(45)	2019	3	48

GENERAL NOTES:

- The scope of work for this project includes constructing center and edge lines milled rumble strips, stabilizing slope with grouted rubble paving, replacing drainage boxes, guardrail and posts, and installing pavement markings, striping and signs.
- The Contractor is reminded of the requirements of Subsection 105.16 - Subcontract Requirements, which requires him to perform work 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: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; 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 tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
- 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.
- Smooth riding connections shall be constructed at all times at the limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to H.M.A. Pavement Mix No. IV and will not be paid for separately.
- The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to bulk of work or the various contract items and will not be paid for separately.
- The Contractor shall provide and maintain for access to and from all existing driveways, side streets and cross streets at all times. This work shall be considered incidental to milled rumble strips and will not be paid for separately.

- Prior to placement of the new H.M.A. or aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
- The top of the H.M.A. Base Course prior to placement of the new H.M.A. Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16."
- The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tapes, and epoxy adhesives prior to the overlaying of H.M.A. Pavement. This work shall be considered incidental to H.M.A. Pavement and will not be paid for separately.
- Existing drainage system shall be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. Earth swale shall be graded to drain. These work shall be considered incidental to the contract items in the drainage systems and will not be paid for separately.
- The Contractor shall obtain all necessary permits prior to starting construction operations. The Engineer shall not pay for the cost of these permits and they shall be incidental to all the contract items.
- The Contractor shall not divert runoff from entering into the existing culvert at ~~B~~ Sta. 90+93± Rt. Any diversion shall require consultation with the United States Army Corps of Engineers and compliance with permitting requirements. Any cost associated in obtaining required permits shall be the sole responsibility of the Contractor.
- The New Guardrail shown on the plans is for illustration only. The actual length shall be measured excluding the Transitions. The Modified Approach and Trailing End Terminals including their required Transitions are one Unit each and shall be paid as Each. The Modified End Terminals, Type A1 (or "A-1") and Type G (or "G") are interchangeable. The 31" W-Beam Guardrail [Midwest Guardrail System (MGS)] is paid separately.

LEGEND

-  Project Limits
-  existing electric line
-  ex. power pole & guy wire
-  existing joint pole
-  existing power pole
-  existing heco manhole
-  existing 24" drain line
-  existing storm drain manhole
-  existing grated drop inlet
-  Adjusted Grated Drop Inlet
-  New Grated Drop Inlet
-  existing catch basin
-  New Catch Basin
-  existing traffic sign
-  existing traffic sign
-  Relocated Traffic Sign
-  Relocated Traffic Sign
-  New Traffic Sign
-  New Traffic Sign
-  existing highway lighting standard
-  existing highway lighting pullbox
-  existing guardrail
-  New 31" W-Beam Guardrail, [Midwest Guardrail System (MGS)]

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK additional/ quantities by No. 011111	DRAWN BY	λ
	TRACED BY	*
	DESIGNED BY	λ
	QUANTITIES BY	*
	CHECKED BY	*

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES & LEGEND
HONOAPIILANI HIGHWAY SAFETY IMPROVEMENTS Kapoli Street to Papalaua Beach Park Federal Aid Project No. HSIP-030-1(45)
Date: Aug, 2018
SHEET No. 1 OF 1 SHEETS