

GENERAL NOTES

1. The scope of work for this project consists of cold planing, construction of pavement shoulder pullouts; installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing; and hydro-mulch seeding.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracting, 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.
3. 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.
4. 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.
5. 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 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.
6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
7. 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.
8. 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. This work shall be paid for under Item No. 209.0100 Installation, Maintenance, Monitoring, and Removal of BMP.
9. Earth swale shall be graded to drain. This work shall be considered incidental to various contract items.
10. Smooth riding connections shall be constructed at all limits of resurfacing and reconstruction, including the beginning and end of project, connecting approaches, and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to HMA Pavement, Mix IV and will not be paid for separately.
11. 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.
12. Removal and disposal of existing guardrail and post, asphalt concrete pavement, and any debris shall be considered incidental to their respective bid items.
13. All saw cutting work shall be considered incidental to Roadway Excavation or Asphalt Concrete or their respective bid items.

14. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
15. The Contractor shall provide Hydro-Mulch seeding to all disturbed areas of construction and leave no earth bare. The Contractor shall provide irrigation throughout planting establishment period until acceptance by engineer or landscape architect.
16. Protect all trees within project limits. Within the tree drip line, there must be: no changes, alterations or disturbances to the grade by fill, excavation, or scraping except as noted on plans; no construction material or equipment; no stockpiling of any excavation material; no disposal of any liquids (concrete slurry, gas, oil, paint); no vehicular, equipment or excessive pedestrian traffic; no attachment of any wires, ropes, lights or any such attachment other than those of a protective nature to any tree to be preserved; and no cleaning of equipment or material.
17. The Contractor shall provide and maintain for access to and from all existing driveways, and side streets and cross streets at all times; shall coordinate with adjacent property owners including possible unavoidable closure of access to/from businesses/homes and notify users and adjacent property owners at least 5 working days in advance prior to reconstruction/paving the driveways/roadways. This work shall be considered incidental to various contract items and will not be paid for separately.
18. 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 HMA Pavement. This work shall be considered incidental to HMA Pavement, Mix No. IV and will not be paid for separately.
19. During non-working hours, the trenches on all streets shall be covered using 1-inch thick steel plates with non-skid surfaces and all lanes maintained for traffic. The Contractor shall plan their work to avoid the use of steel plates. If not possible, the Contractor shall submit for approval, a design based on a 1-inch thick steel plate with non-skid surfaces, stamped by a Structural Engineer license in the State of Hawaii.
20. The Contractor shall be responsible in preserving all Highway Monuments and/or State Survey Disks within the project limits. The Contractor shall hire a State of Hawaii Licensed Land Surveyor to reset the Monuments and/or Survey Disks in accordance with the contract documents. The Contractor shall preserve the Monuments and/or Survey Disks if they are found during the pavement reconstruction and shall immediately call the engineer.
21. The contractor shall obtain all necessary permits prior to start of work at his own cost.
22. All cut excavation work outside of the edge of pavement shall be paid for under Roadway Excavation.
23. Borrow Excavated Material used in embankment shall not include asphalt material.
24. All 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.

LEGEND

	Existing Concrete		Existing Sewer Line
	New Concrete/Bus Pad		Existing Sewer Manhole
	12.0' Shoulder Pullout		Adjusted Sewer MH Frame/Cover
	Reconstruction Areas		Existing 6" Gas Line
	Paving Limits		Existing Gas Valve Box
	Existing Electrical Line		Adjusted Gas Valve Box
	Existing Joint Pole		Existing Gas Manhole
	Existing Electric Manhole		Adjusted Gas MH Frame/Cover
	Adjusted Elec. MH Frame/Cover		Existing Monument
	Existing Telephone Line		Adjusted Monument
	Existing Telephone Pole		Existing 24" Drain Line
	Existing Telephone Manhole		Existing Storm Drain Manhole
	Existing Telephone Pull Box		Adjusted Storm Drain MH Frame/Cover
	Adjusted Tele. MH Frame/Cover		Existing Grated Drop Inlet
	Existing 12" Water Line		Existing Catch Basin
	Existing Water Manhole		Existing Traffic Sign
	Adjusted Water MH Frame/Cover		Existing Highway Lighting Standard
	Existing Water Valve Box		Existing Highway Lighting Pullbox
	Adjusted Water Valve Box		Existing Traffic Signal Pole
	Existing Water Meter		Existing Traffic Signal Pullbox
	Adjusted Water Meter		Adjusted Traffic Signal Pullbox
	Existing Fire Hydrant		Existing Metal Guardrail
			New Metal Guardrail
			Existing Fence
			New Chain Link Fence

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND
KOHALA MOUNTAIN ROAD
SAFETY IMPROVEMENTS
Federal Aid Project No. HSIP-0250(007)

Date: April, 2017

SHEET No. 1 OF 1 SHEETS