

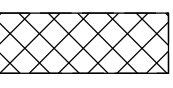
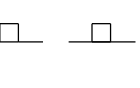
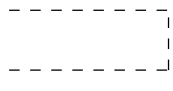
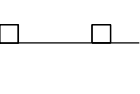

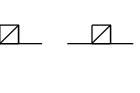
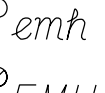
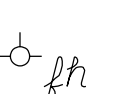

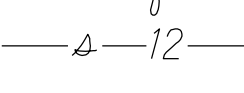
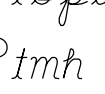
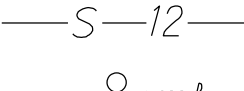


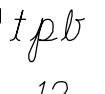

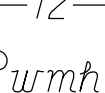
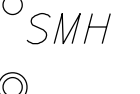







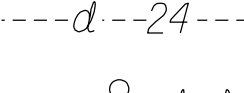
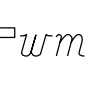
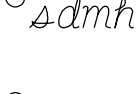
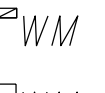










GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing; resurfacing; removing and installing existing pavement markers and traffic signs; constructing concrete curb, gutter and sidewalk; replacing and adjusting utility pullboxes; installing traffic counting sensor; cleaning existing culvert and drainage structures and dressing of shoulders.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
3. 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.
4. 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.
5. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
6. 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.
7. All lanes shall be open to traffic during the hours from 5:00 AM to 9:00 PM. Only one lane of highway shall be closed at any other time. Night working hours are specified in Section 107 of the Special Provisions. Failure of the Contractor to open all lanes of traffic beyond the allowable lane closure hours specified above shall result in assessment of rental fees as specified in Section 108.09 - Rental Fees for Unauthorized Lane closure or Occupancy of the Special Provisions.
8. All workers within the State right-of-way who are exposed to either vehicles using the roadway or to construction equipment shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of ANSI/ISEA 107-2004. "Workers" is defined as people on foot whose duties place them with the State right-of-way, such as, but not limited to construction and maintenance forces, equipment operators, survey crews, utility crews, responders to incidents (e.g., EMT and firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.
9. 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. (808) 241-3000.
10. 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.
11. 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: (808) 245-5444 and the Wastewater Division, Ph: (808) 241-6642 for toning waterlines and sewerlines respectively.
12. 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.
13. 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, and will not be paid for separately.

14. 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 various contract items.
15. The Contractor, at his own expense shall hydro-mulch and maintain per Section 641 - Hydro-Mulch Seeding of the HDOT Standard Specification all areas disturbed by his operations.
16. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans.
17. Contractor shall excercise extreme caution to preserve all existing right-of-way centerline, as-built, construction, and NGS (horizontal and vertical in the NGS database) monuments located within the State of Hawaii right-of-way, If monuments are disturbed or destroyed, the Engineer shall be notified. Reconciliation to the Right-of-Way Baseline and/or boundary study and determination may be required prior to re-installation of the disturbed or destroyed monuments. The Engineer shall be contacted for guidelines and procedures prior to construction.
- A State of Hwaii Licensed Surveyor shall perform the location and staking of the reset monument. The DOT Standard Plans and Specifications, with the exception of NGS monuments which shall have a NGS approved "brass disk" marker, shall be referenced for the monument type and materials.
- Any NGS vertical monuments that are deemed necessary for relocation due to construction shall follow the NGS benchmark reset procedures written by Curtis Smith dated September 2010 or newer. All work must be done by an electronic digital level that is acceptable by NGS for second-order class one or higher work. The surveyor must use two one-piece invar barcode rods with current certifications with struts with 15 lbs turning plate or turtles; and/or turning pin with driving cap and temperature readings. Contact NGS prior to any work to ensure all equipments meets reset specifications. A State of Hawaii Licensed Surveyor shall perform the relocation. All work must be submitted both in electronic and hard copy formats to NGS and the Engineer.
- All monument work shall be considered incidental to this project, unless noted otherwise.
18. No sections where guardrail has been removed shall be left unattended at the end of each work day. Open sections shall be shielded by Portable Concrete Barrier or as directed by the Engineer. For Portable Concrete Barrier details, refer to Standard Plans TE52 and TE-43. Furnishing, installing, and maintenaning of these devices shall be considered incidental to the various contract items and will not be aid separatelty. The poratblae
19. All saw cutting work shall be considered incidental to various contract items and will not be paid separately.
20. The Contractor, at his own expense sha hydro-mulch and maintain per Section 641 - Hydro-Mulch Seeding of the HDOT Standard Specification all areas disturbed by his opeations.
21. Trimming and dressing of shoulder, sidewalk and bus turnout 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, sidewalk or bus turnout. This work shall be considered incidental to the various contract items.
22. Prior to his paving operations, the Contractor shall be responsible for locating, preserving and marking all utility & highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.

23. The exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
24. All asphalt concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the Contractor. The Contractor shall remove and dispose these materials and shall be considered incidental to various contract items.
25. At the end of each day's paving operations, temporary pavement markers and striping shall be in placed prior to leaving the site.
26. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
27. Removal and disposal of asphalt conc. curb, concrete curb, sidewalk, traffic signs, pavement marking and striping shall be considered incdental to various contract prices.
28. Furnishing amd installation of reinforcing bars, epoxy grout, premolded joint filler with sealant and bed course materials shall be considered incidental to Item 634.0100 - Portland Cement Concrete Sidewalk and will not be paid separately.

LEGEND

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

KUHIO HIGHWAY RESURFACING
Laukini Road to Kapule Highway
Federal-Aid Project No. NH-056-1(062)

Scale: NADate: Dec. 2022

SHEET No. 1 OF 1 SHEETS