

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	580A-01-22M	2023	3	26

1. The scope of work for this project includes shoulder widening, reconstruction of weakened pavement areas, cold planing, resurfacing, removal and installation of pavement markers, traffic signs, and guardrail, hydromulch seeding, construction of concrete gutters, cleaning of existing culverts and drainage structures.
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 various items and shall not be paid separately.
5. The Contractor shall notify the Engineer in writing, through the e-construction platform, two (2) weeks prior to starting of his operations.
6. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free passage of public traffic and pedestrians.
7. All lanes shall be open to traffic during peak hours of 6:30 a.m. to 8:30 a.m., during afternoon peak hours from 3:30 p.m. to 6:30 p.m., and during off work hours. Only one lane of the 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 rental fees as specified in Section 108.09 - Rental Fees for Unauthorized Lane Closure or Occupancy.
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 ANS/I/SEA 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 enforcements personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.
9. No material 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. Prior to start of work, 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 or dot.hwyk.permits@hawaii.gov.
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 cost incurred by damages to existing utilities will be borne by the Contractor. Contractor shall request from One-Call Center, Ph./866-423-7278. The Contractor shall also call the County of Kauai, Department of Water, PH (808) 245-5400 and the Wastewater Division, Ph. (808) 241-6642 for toning waterlines and sewerlines respectively. The Contractor shall document this effort in the e-construction platform.
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, sidewalk and ADA access routes, and side streets and cross streets at all time. This work shall be considered incidental to the various contract items.
14. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, and tools to maintain flow. This work shall be considered incidental to the various contract items.

15. The contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance.
16. Smooth riding connections shall be constructed at all limits of construction including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans, unless otherwise approved in writing by the Engineer.
17. The Contractor shall exercise 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 a 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 Hawaii Licensed Surveyor shall perform the location and staking of the reset monument. The DOT Standard Plans & 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 equipment 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, unless otherwise approved by the Engineer. For Portable Concrete Barrier details, refer to Standard Plans TE-42 and TE-43, Furnishing, installing, and maintaining of these devices shall be considered incidental to the various contract items and will not be paid separately.
19. All saw cutting work and removal shall be considered incidental to the various contract items and will not be paid separately.
20. 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.
21. Earth swale shall be graded to drain. Graded swales and shoulder shall be grassed.
22. Trimming and dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable materials 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 shoulders, sidewalk or bus turnout. This work shall be considered incidental to the various contract items.
23. Prior to paving operations, the Contractor shall be responsible for locating, preserving and marking all utilities and 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.
24. The exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by the Engineer.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

*KUAMOO ROAD RESURFACING
Vicinity of UH Agricultural Station to
End of Kuamoo Road
Project No. 580A-01-22M
Date: APRIL 2023*

SHEET No. 1 OF 2 SHEETS

GENERAL NOTES (cont'd)

25. 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 the various contract items. The Contractor shall provide the Solid Waste Disclosure notice to the HDOT Engineer.
26. At the end of each day's paving operation, temporary pavement markers and striping shall be in place prior to leaving the site.
27. 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.
28. Temporary measures to control erosion and other pollutants shall be placed before any earth moving phase of the grading is initiated. Temporary erosion control shall not be removed before permanent erosion controls are in place and established. Temporary erosion control procedures shall be submitted to the Engineer for review and approval. This work shall be considered incidental to the various contract items and will not be paid separately.
29. All new guardrail shall be Manual for Assessing Safety Hardware (MASH) compliant unless noted otherwise.

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LEGEND

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

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

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DEPARTMENT OF TRANSPORTATION
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