| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | 560A-01-23M | 2023 | 3 | 11 |

## GENERAL NOTES

1. The scope of work for this project includes removing existing drop inlet and concrete gutter, construction of grated drop inlet and concrete gutter, and cleaning of of existing drainage structure.
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 peak hours from 6:30 A.M. to 8:30 A.M., during aftrenoon peak hours from 3:30 P.M. to 6:30 P.M., and during off work hours, Only one lane of highway shall be closed at any other time. 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. 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: 245-5444 and the Wastewater Division, Ph: 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. 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 Barriers, refer to Standard Plans TE-42 and TE-43, Furnishing, installing and maintaining of these devices shalll be considered incidental to the various contract items and will not be paid separatel;y.
14. 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.
15. 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.
16. 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.
17. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.

    Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
18. All new reference survey monuments shall be set under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and values of the new survey monuments shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
19. Should historic remains such as artifacts, burials, concentrations of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find. The Contractor shall immediately notify the Planning Department at (808) 241-4050 and State Historic Preservation Division at (808) 692-8015, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary.
20. The Contractor shall take measures to reduce the spread of invasive species (eg. Rapid 'Ohi'a Death) such as by minimizing the movement of plant or soil material between worksites, such as fill. Additionally, all equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species.
21. Removal and disposal of unsuitable materials, existing concrete gutter and drop inlet structure shall be considered incidental to various contract items and will not be paid separately.
22. Excavation and disposal of excavated materials, backfilling of suitable materials, subgrade preparations, installation of aggregate base, and welded wire fabric shall be considered incidental to various contract items and will not be paid separately.
23. Cleaning of existing culvert and drop inlet structure shall be paid under Item No. 603.0100 - Clean Existing Culverts and will not be paid separately.

## LEGEND

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|---|---|
| | Reconstruction Areas |
| | Cold-planing Areas & Resurfacing Limits |
| pp | Existing Power Pole |
| emh | Existing Electric Manhole |
| EMH | Adjusted Elec. MH Frame/Cover |
| tspb | Existing Traffic Signal Pullbox |
| tmh | Existing Telephone Manhole |
| TMH | Adjusted Tel. MH Frame/Cover |
| tpb | Existing Telephone Pullbox |
| —w—12— | Existing 12" Water Line |
| wmh | Existing Water Manhole |
| WMH | Adjusted Water MH Frame/Cover |
| av | Existing Water Air Valve |
| AV | Adjusted Water Air Valve |
| wv | Existing Water Valve Box |
| WV | Adjusted Water Valve Box |
| wm | Existing Water Meter Box |
| WM | Adjusted Water Meter Box |
| WM | New Type "X" Water Meter Box |
| | Existing Traffic Sign |
| | New Traffic Sign |
| | Existing Metal Guardrail |
| | New Metal Guardrail |
| | Adjusted and/or Relocated Metal Guardrail |
| fh | Existing Fire Hydrant |
| —s—12— | Existing Sewer Line |
| —S—12— | New 12" Sewer Line |
| smh | Existing Sewer Manhole |
| SMH | Adjusted Sewer Manhole |
| SMH | New Sewer Manhole |
| mon. | Existing Monument |
| MON. | Adjusted Monument |
| MON. | New Monument |
| ---d--24--- | Existing 24" Drain Line |
| sdmh | Existing Storm Drain Manhole |
| SDMH | Adjusted Storm Drain Manhole |
| gdi | Existing Grated Drop Inlet |
| GDI | New Grated Drop Inlet |
| GDI | Adjusted/Reconstructed Drain Inlet or Replaced Steel Grate |

| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
|---|---|---|
| | DRAWN BY X | |
| | TRACED BY | |
| NOTE BOOK | DESIGNED BY X | |
| Kilagarine | QUANTITIES BY | |
| N. hidrudgn | CHECKED BY | |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

KUHIO HIGHWAY (ROUTE 560)
DRAINAGE IMPROVEMENTS
Vicinity of Mile Post 5.50

Project No. 560A-01-23M

Scale: NA Date: May 2023

SHEET No. 1 OF 1 SHEETS