

GENERAL NOTES

1. The scope of work for this project includes widening the existing roadway pavement to accommodate the construction left-turn lane; removing and installing pavement marking; constructing geo-synthetic reinforced soil (GRS) retaining wall, removing and installing metal guardrail; removing and installing traffic signs; constructing grated drop inlet, storm drain manhole, reinforced concrete pipe culvert, asphalt concrete swale and grouted rubble paving; cold planing and resurfacing; hydro-mulch seeding of dressed 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. 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 be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.

6. All lanes shall be open to traffic during the hours from 6:00 A.M. to 8:00 P.M. 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 during the times specified above shall result in assessment of rental fees as specified in Section 108.09 of the Special Provisions.

7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting his operations.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.
13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. 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: 245-5439 and the Wastewater Division, Ph: 241-6642 for toning waterlines and sewerlines respectively.

19. Removal and disposal of existing a.c. pavement, subbase/base course materials, pavement markings, shall not be paid for separately but shall be considered incidental to the various contract items.

20. Removal and disposal of waste materials resulting in the construction of geo-synthetic reinforced soil (GRS) retaining wall shall not be paid for separately but shall be considered incidental to the various contract items.

21. Removal and disposal of steel rail elements, W-beam sections and backfilling of resulting holes shall be considered incidental to various contract items.

22. No section where guardrails have 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 TE-42 and TE-43. Furnishing, installing and maintaining of these devices shall be paid under Item No. 694.1000 - Contractor Furnished Portable Concrete Barrier.

23. All saw cutting work shall be considered incidental to Item 401.0400 - Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for separately.

24. Earth swale shall be graded to drain. Graded swales shall be grassed. This work shall be considered incidental to Item 641.1000 - Hydro-mulch Seeding and will not be paid separately.
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|---------------------|-------|-----------|-------------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII | HAW. | 50C-01-18 | 2022 | 3 | 30 |
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|------------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK | DRAWN BY | |
| DESIGNED BY | | |
| QUANTITIES BY | | |
| CHECKED BY | | |
| N ^o . | | |
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAUMUALII HIGHWAY INTERSECTION IMPROVEMENTS

at Laoho Road and Kuli Road

Project No. 50C-01-18

Date: January 2022

SHEET No. 1 OF 2 SHEETS
- 3

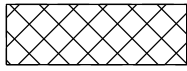
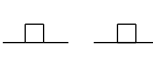
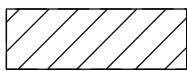
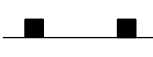



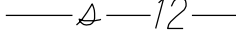

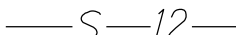

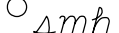






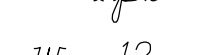



















GENERAL NOTES (cont.)

25. Removal and disposal of existing drainage culvert and backfilling of suitable materials shall be considered incidental to various contract items.
26. Slope protection should be established as soon as cut or fill slope is completed to reduce erosion potential.
27. The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance.
28. No Contractor shall perform any grading operations so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourse.
29. No grading work shall be done on Saturdays, Sundays and Holidays.
30. Temporary measures to control erosion and other pollutants shall be placed before any earth moving phase of the grading is initiated. Temporary erosion controls shall not be removed before permanent erosion controls are in placed and established. Temporary erosion control procedures shall be submitted to the Engineer for review and approval. This work shall be considered incidental to various contract items.
31. Should historic remains such as artifacts, burials, concentrations of shell or charcoal be encountered during construction activities, work shall cease in the immediate vicinity of the find. The Contractor shall immediately notify the Planning Department and the State Historic Preservation Division at 241-3690, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary.
32. 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.
33. No material or equipment shall be stored within the County Right-of-Way.
34. A Road Permit is required from the County "Department of Public Works" for the construction and warning sign installation within County Right-of-Way. Three (3) sets of the approved plans shall be submitted at the time when the Road Permit is applied for. Road Permit Application can be obtained from County website. Additionally, the applicant will need to provide Certificate of Liability Insurance naming the County as additionally insured. This work shall be considered incidental to various contract items.
35. During widening operation, the Contractor shall modify the existing travel lanes by temporary shifting the existing pavement marking and striping. Minimum lane width shall be ten feet (10'). All signs and panels shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices for Street and Highways". Temporary pavement marking and striping shall conform to Section 629 - Pavement Marking of the Special Provisions This work shall be considered incidental to Item No. 645.1000 - Traffic Control and will not be paid separately.
36. Preparation of subgrade and construction of asphalt concrete swales shall be considered incidental to Item No. 401.0400 - HMA Pav't., Mix No. IV and will not be paid separately.
37. Structure excavation and backfill of Storm Drain Manhole (SDMH), Grated Drop Inlet (GDI), Grouted Rubble Paving and Concrete Footing of GRS Retaining Wall No. 2 shall be considered incidental to various contract items and will not be paid separately.
38. Structure excavation and trench backfill of Reinforced Concrete Pipe Culvert shall be considered incidental to various contract items and will not be paid separately.

39. A Grading Permit is required from the County "Department of Public Works" for the disposal of wasted excavated materials. Disposal site shall comply with the County's Sediment and Erosion Control Ordinances No. 808. This work shall be considered incidental to Item 203.1000 - Roadway Excavation and will not be paid separately.
40. Removal and disposal of existing signs shall be considered incidental to various contract items.
41. New utility pole location and Highway Right-of-Way to be identified and surveyed by the Contractor. This work shall be considered incidental to various contract items.
42. Furnishing of materials and installing twelve inch long stakes/pins to secure erosion control matting on the slope shall be considered incidental to Item No. 663.0100 - Erosion Control Matting and will not be paid separately.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50C-01-18	2022	4	30

LEGEND

	Cold Plane		Existing Metal Guardrail
	Pavement Widening		New Metal Guardrail
	Existing Power Pole		Existing Fire Hydrant
	Existing Electric Manhole		Existing 12" Sewer Line
	Adjusted Elec. MH Frame/Cover		New 12" Sewer Line
	Existing Electric Pullbox		Existing Sewer Manhole
	Existing Telephone Manhole		Adjusted Sewer Manhole
	Adjusted Tel. MH Frame/Cover		New Sewer Manhole
	Existing Telephone Pullbox		Existing Monument
	Existing 12" Water Line		Adjusted Monument
	Existing Water Manhole		New Monument
	Adjusted Water MH Frame/Cover		Existing 24" Drain Line
	Existing Water Air Valve		Existing Storm Drain Manhole
	Adjusted Water Air Valve		Adjusted Storm Drain Manhole
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	Existing Water Meter Box		
	Adjusted Water Meter Box		Existing Grated Drop Inlet
	New Type "X" Water Meter Box		New Grated Drop Inlet
	Existing Traffic Sign		Adjusted/Reconstructed Drain Inlet or Replaced Steel Grate
	New Traffic Sign		

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK		
QUANTITIES BY		
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<u>GENERAL NOTES AND LEGEND</u>
<u>KAUMUALII HIGHWAY INTERSECTION IMPROVEMENTS</u>
<u>at Laoho Road and Kuli Road</u>
<u>Project No. 50C-01-18</u>
Date: January 2022
SHEET No. 2 OF 2 SHEETS