

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-I(040)	2014	3	51

1. The scope of work for this project consists of cold planing; AC paving; reconstructing weakened pavement areas; installing pavement markings, rumble strips, and loop detectors; and traffic control.

2. The Contractor's attention is directed to the following Sections of the Standard Specifications: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 107.12 - Protection of Persons and Property; and Section 645 - Work Zone Traffic Control

3. 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.

4. 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.

5. The allowable lane closure hours shall be as follows:

Lele Road (milepost 17.00) to Waimea River Bridge (milepost 22.61)
Monday thru Friday, 8:30 am - 3:00 pm

Only one lane of highway shall be closed at any time. Failure of the Contractor to open all lanes of traffic beyond the allowable lane closure hours specified above shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.

6. The Contractor shall verify the presence of existing overhead and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.

7. All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. All existing utility/light poles, overhead utilities and guy poles/wires shall remain in place and operational. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State. No delays or extensions of contract time will be allowed as a result of these required repairs.

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

9. All Asphalt Concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the State. The Contractor shall deliver these materials to the Lihue Airport's baseyard stockpile area. Obtain required permits and all other documents required by the Lihue Airport. The Contractor shall separate the clean cold-planed material from the cold-planed material mixed with base course. This work shall be considered incidental to the various contract items.

10. 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 and/or as directed by the Engineer. This work shall be considered incidental to HMA Pavement and will not be paid for separately.

11. All saw cutting asphalt concrete pavement including the handling and disposal of the slurry (cooling water and asphalt pavement sawdust) from the saw cutting shall be considered incidental to Item No. 401.1000 HMA Pavement, Mix No. V, and will not be paid for separately. Immediately vacuum cutting debris and water from surface as the sawing progresses. Slurry from saw cutting shall be handled and disposed of in accordance with the Water Pollution Control Note B - Waste Disposal on Plan Sheet G-4.

12. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to HMA Pavement and will not be paid for separately.

13. 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.

14. The Contractor shall provide access to and from all existing driveways, sidewalks and ADA access routes, 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 is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.

16. Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.

17. All graded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 641 - Hydro-Mulch Seeding. This work is considered incidental to the various contract items.

18. The Contractor shall obtain a community noise permit from the State Department of Health, Environmental Health Services (Tel. No. 241-3323). This shall be considered incidental to the various contract items and will not be paid for separately.

19. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed 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 (Tel. No. 241-3000).

20. Trimming and dressing of shoulder 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. This work shall be considered incidental to the various contract items.

21. The Contractor shall remove/uproot all vegetation within the cracks in the existing pavement prior to overlaying of Asphalt Concrete Pavement and/or sealing joints.

22. The limits of weakened pavement reconstruction are approximate and may be modified by the Engineer based on actual field conditions.

23. Pursuant to Section 106 of the National Historic Preservation Act (NHPA), in the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the State Department of Land and Natural Resources - Historic Preservation Division (ph. 652-1510 or 808-692-8015), and Kauai Police Department (ph. 241-1711).

24. 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 within 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.

25. Any work specified in the contract documents, but not listed separately in the Proposal Schedule, shall be considered incidental to the various contract items and shall not be paid for separately.
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|--------------|-------------------|------|
| GENERAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK | DESIGNED BY | |
| | QUANTITIES BY | |
| | CHECKED BY | |
- T-16459A PPM/Kaumualii_PPM/Cadd/Sheets/Phase 2/notes-ldgn
- PAMELA K. UYEDA

LICENSED PROFESSIONAL ENGINEER

No. 10352-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GENERAL NOTES, LEGEND AND ABBREVIATIONS - 1

KAUMUALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE

PHASE II - WAIMEA RIVER BRIDGE TO LELE ROAD

Federal Aid Project No. STP-050-I(040)

Scale: None Date: June 2014
- SHEET No. G-2 OF 7 SHEETS
- 3

LOOP DETECTOR NOTES

1. The Contractor shall restore all loop detectors affected by paving operations. Loop detector location and quantity shown on this plan are schematic and approximate. Final location are subject to field confirmation or change by the Engineer.
2. Contractor shall coordinate with the State at least two weeks in advance of any traffic signal related work.
3. Contractor shall perform all necessary traffic signal work to temporarily maintain and permanently restore traffic signal operation. Such work includes, but is not limited to, installing temporary microwave sensors and new detector loops. The State personnel will be responsible for the traffic signal controller programming at the traffic signal cabinet.
4. Contractor shall promptly take down and turn over temporary microwave sensors to the State when permanent detector loops are installed and operational. Payment for installation, maintenance, and removal of temporary microwave sensors shall be considered incidental to the various traffic signal contract items.
5. Contractor shall perform all necessary work to restore traffic signal system to a neat tradesman-like appearance.

ABBREVIATIONS

AV	Water Air Valve
⊕	Baseline
C	Chord
⊕	Centerline
ep	Existing Edge of Pavement
es	Existing Edge of Shoulder
Exist.	Existing
HMA	Hot Mix Asphalt
HMAB	Hot Mix Asphalt Base Course
Lc	Length of Curve
M.L.	Matchline
NTS	Not to Scale
o.c.	on center
PC	Point of Curvature
PT	Point of Tangency
R	Radius
R/W	Right-of-Way
Sta.	Station
T	Tangent

LEGEND

	1 1/2" Cold Plane 1 1/2" HMA Mix No. V
	Reconstruction of Weakened Pavement (Moderate Distress) 1 1/2" HMA Mix No. V 6" HMAB See Note 2 on Sht. R-1
	Reconstruction of Weakened Pavement (Severe Distress) 1 1/2" HMA Mix No. V 2 1/2" HMA Mix No. IV 8" HMAB See Note 1 on Sht. R-1
	Full Depth Reconstruction 1 1/2" HMA Mix No. V 2 1/2" HMA Mix No. IV 8" HMAB 12" Aggregate Subbase Filter Fabric (Mirafi 140N or equivalent) See Note 1 on Sht. R-1
—e—	Existing Electrical Line
°emh	Existing Electric Manhole
—t—	Existing Telephone Line
°tp	Existing Telephone Pole
°tmh	Existing Telephone Manhole
—ΔC—	Existing Signal Corps Line
—tv—	Existing TV Cable
—w—12—	Existing 12" Water Line
°wmh	Existing Water Manhole
°av	Existing Water Air Valve
°wv	Existing Water Valve Box
°wm	Existing Water Meter
°fh	Existing Fire Hydrant
—Δ—12—	Existing Sewer Line
°Δmh	Existing Sewer Manhole
—g—6—	Existing 6" Gas Line
°gv	Existing Gas Valve Box
°gmh	Existing Gas Manhole
°mon.	Existing Monument
°MON.	Adjusted Monument
---d--24---	Existing 24" Drain Line
°Δdmh	Existing Storm Drain Manhole
°gdi	Existing Grated Drop Inlet
°cb	Existing Catch Basin
°sign	Existing Traffic Sign
°hl	Existing Highway Lighting Standard
°hlpb	Existing Highway Lighting Pullbox
°tsp	Existing Traffic Signal Pole
°tspb	Existing Traffic Signal Pullbox
°mg	Existing Metal Guardrail
°tl	Traffic Loop

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
IN CHARGE	

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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

[Signature] 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**GENERAL NOTES, LEGEND
AND ABBREVIATIONS - 2**

KAUNUALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE
PHASE II - WAIWEE RIVER BRIDGE TO LEELE ROAD

Federal Aid Project No. STP-050-1(040)
Scale: None Date: June 2014