

GENERAL NOTES

1.

The scope of work for this project consists of reconstructing of weakened pavement, applying crack seal and paving grid to the affected areas, cold planing, 1½ inch resurfacing of existing pavement, adjusting center line monuments, manhole frame and cover and pullbox frame and cover, installation of pavement markings and striping, installation of reflector markers and cleaning of culverts and drainage structures.

2.

The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, which requires him to perform work to not less than 30 percent of the contract total cost less deductible items. Non-compliance with this Subsection may be ground for rejection of bid.

3.

The Contractor's attention is directed to the following sections of the Special Provisions: Subsection 107.02 - Permits and Licenses; Subsection - 107.06 - Contractor duty regarding public conveniences; Subsection - 104.11 - Utilities and Services; and Section 645 - Work Zone Traffic Control.

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.

Saw-cutting of existing pavement shall not be measured or paid for separately but shall be considered incidental to various contract items.

6.

Dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.

7.

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

8.

All construction signs shall be left in place until all construction items have been completed. Contractor shall obtain prior approval from the Engineer to remove construction signs.

9.

Smooth riding connections shall be constructed at the beginning and end of the project and at all connecting approaches, side roads and driveways shown on the plans and/or as directed by the Engineer.

10.

All lanes shall be open to traffic during the morning peak hours from 6:30 a.m. to 8:30 a.m. during afternoon peak hours from 3:30 p.m. to 6:00 p.m. and off work hours. Only one lane of highway shall be closed at any other time.

11.

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.

12.

The Contractor shall provide for vehicular and pedestrian access to and from all existing sideroads driveways and walkways at all times.

13.

The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.

14.

The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.

15.

In cold planing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, especially the structure deck, joints, drain pipes or reinforcement. Any damage to the structure during the cold planing operation shall be repaired by the Contractor at his own expense. Repair work shall be as directed by the Engineer.

16.

Prior to cold planing over an existing structure, the Contractor shall determine the actual depth of the existing asphalt concrete pavement. The Contractor shall take several cross section measurements throughout the structure. If the thickness of the existing pavement is less than the proposed resurfacing thickness, the Contractor shall remove the existing pavement to the level of the structure and resurface to the original thickness. The Contractor shall verify the existing pavement thickness by hand digging at various locations. Survey Monuments shall not be disturbed during Cold Planing and/or Pavement Reconstruction. This work shall be considered incidental to Cold Planing.

17.

The exact locations and limits or areas to be reconstructed and cold planed shall be determined in the field by the field Engineer.

18.

Prior to resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specification and as amended. Payment shall be considered incidental to Item No. 401.0100 - AC Pavement Mix No. IV.

19.

Pavement cracks shall be sealed at least 7 days prior to paving. After a minimum of 7 days, a paving grid will be laid over the cracked areas before overlay work begins. Exact locations and limits or areas to be filled shall be determined in the field by the Engineer or Project Inspector. This work will be paid under Items No. 408.0100 and 416.0100.

20.

The endangered Hawaiian goose (Branta sandvicensis, nene) has been observed in the vicinity of Honoapiilani Highway, south of Olowalu. We recommend avoiding road work during the nene breeding season December through April). If work must be conducted during this season and nene are observed in the vicinity, then we recommend that a biologist familiar with the nesting behavior of nene survey the area prior to the initiation of any work. If a nest is discovered, work should cease immediately and our office should be contacted for further guidance. Furthermore, all on-site project personnel should be apprised that nene may be in the vicinity of the project. If any nene appears within 100 feet (30.5 meters) of ongoing work, all activity should be temporarily suspended until the animal leaves the area of its own accord.

21.

The threatened Newell's shearwater (Puffinus auricularies newelli) and endangered Hawaiian petrel (Pterodroma sandwichensis); collectively known as seabirds, may traverse the project area when flying between the ocean and mountain nesting sites during their breeding season (March through December). Artificial lighting, such as street lights and flood lights, can adversely impact seabirds by causing disorientation that results in exhaustion or collision with objects, such as utility lines, guy-wires, and structures that extend above surrounding vegetation. We recommend that you avoid working at night from September through December, as fledgling juvenile seabirds are vulnerable to the effects of artificial lighting sources. If nighttime work becomes a necessary measure to complete project objectives, then it is our recommendation that artificial lighting be shielded with the bulb pointed directly at the ground where work is taking place.
- | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | NH-030-1(047) | 2012 | 3 | 45 |
- LEGEND
- Reconstruction Areas

Cold Planing Areas

Resurfacing Limits

°pp

Existing Power Pole

°TMH

Adjusted Telephone Manhole

□TPB

Existing Telephone Pull Box

●MON.

Adjusted Monument

RCP

Reinforced Concrete Pipe

ep

Existing Edge of Pavement

es

Existing Edge of Shoulder

▣TPB

Adjusted Telephone Box

▣FMH

Adjusted Fiber Optics Manhole

▣CATVMH

Adjusted Cable TV Manhole

|||—

Existing RM-3

p

Existing Signs

Existing Concrete Barrier

Toe Embankment

Top Embankment

Shoreline
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

HONOAPIILANI HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE

Vicinity of Wind Farm Access Road to Olowalu

Federal-Aid Project No. NH-030-1(047)

Date: July, 2011

SHEET No. 1 OF 1 SHEETS

3