

GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing; resurfacing; reconstructing bridge approaches; repairing bridge joints; adjusting grated drop inlets; removing and installing pavement markings; and dressing of shoulders.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subcontracts, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following Sections of the Special Provisions : Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -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. The exact locations and limits or areas to be filled with leveling course, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
7. All paving work (cold planing, reconstruction of weakened pavement areas and resurfacing), grated drop inlet adjustment, and pavement marking and striping operations shall be performed during night time hours for the following work areas:

- a. Kaumualii Highway - Kipu Road intersection
b. Wailua Bridge approaches
c. Kuhio Highway - Kuamoo Road intersection
d. Kuhio Highway at Mile Post 7.23

All lanes within the work areas indicated above shall be open to traffic during daytime hours. Night time working hours are specified in Section 104 of the Special Provisions. Failure of the Contractor to open all lanes of traffic during the times specified above and in Section 104 of the Special Provisions shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.

The following work areas shall be performed during daytime working hours.

- a. Mahinauli Stream Bridge approaches
b. Kapaa Stream Bridge approaches
c. Aliomanu Stream Bridge approaches
d. Kalihiwai Bridge approaches
e. Kuhio Highway, Route 560

The Engineer will permit the Contractor to close only one lane of traffic during its daytime working hours (8:30 A.M. - 3:30 P.M.). All lanes shall be open to traffic during non-working hours. Failure of the Contractor to open all lanes of traffic during non-working hours shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.


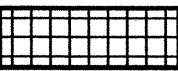



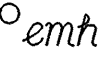

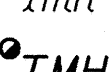
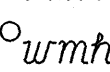

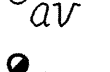
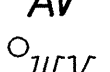


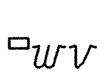





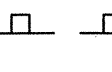

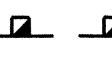
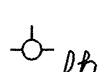
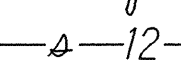
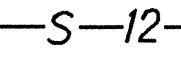
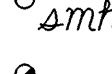





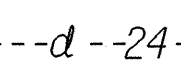
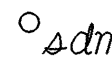

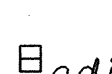

8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
10. 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.

11. 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.
12. 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 the various contract items.
13. 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.
14. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
15. The contractor shall provide and maintain 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.
16. All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
17. Prior to commencing his 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.
18. 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.
19. 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.
20. The Contractor shall be responsible for preserving and recording the locations of all existing street survey monuments and centerline and reference survey monuments. This work shall be considered incidental to the various contract items.
21. 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 at no cost to the State.
22. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items and shall not be paid for separately.
23. 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 Right-of-Way Branch at telephone no. 692-7332.

24. For the work areas noted below, all pavement markers and traffic striping that are damaged, or removed by the Contractor as a result of his operations shall be replaced by the Contractor. All such replacement work shall not be paid for separately, but shall be considered incidental to the various contract items.
- a. Mahinauli Stream Bridge approaches
b. Wailua Bridge approaches
c. Kuhio Highway at Mile Post 7.23
d. Kapaa Stream Bridge approaches
e. Aliomanu Stream Bridge approaches
f. Kalihiwai Bridge approaches
- For work areas noted below, payment for pavement markers and pavement striping shall be paid for in accordance with the contract proposal.
- a. Kaumualii Highway/Kipu Road intersection
b. Kuhio Highway/Kuamoo Road intersection
c. Kuhio Highway, Route 560

For all work locations, Contractor shall not remove any existing traffic signs/ markers without written approval from the Engineer. All signs, and/or markers removed shall be replaced by the Contractor at the same location at no cost to the State.

LEGEND

-  Cold Planing Areas
-  New Construction Areas
-  Reconstruction Areas
-  Resurfacing Limits
-  Existing Power Pole
-  Existing Electric Manhole
-  Adjusted Elec. MH Frame/Cover
-  Existing Telephone Manhole
-  Adjusted Tel. MH Frame/Cover
-  Existing Water Manhole
-  Adjusted Water MH Frame/Cover
-  Existing Water Air Valve
-  Adjusted Water Air Valve
-  Existing Water Valve Box
-  Adjusted Water Valve Box
-  Water Valve Box Below Exist. A.C. Pavement (to be Adjusted)
-  Existing Water Meter
-  Adjusted Water Meter
-  Existing Traffic Sign
-  New Traffic Sign
-  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 Frame/Cover
-  New Sewer Manhole
-  Existing Monument
-  Adjusted or Reconstructed Monument
-  New Monument
-  Existing 24" Drain Line
-  Existing Storm Drain Manhole
-  Adjusted Storm Drain Manhole Frame/Cover
-  Existing Grated Drop Inlet
-  Adjusted Grated Drop Inlet

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAUMUALII HIGHWAY & KUHIO HIGHWAY
Miscellaneous Pavement Reconstruction/
Resurfacing at Various Locations
Project No. HWY-K-03-04M

Date: April 2004

SHEET No. 1 OF 1 SHEETS