

FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-03-00	2004	ADD 3	66

GENERAL NOTES:

1. The scope of work for this project includes construction of an intersection "roundabout"; realigning adjacent roadways; cold planing (as needed); asphalt concrete pavement overlay resurfacing; installing a new temporary steel frame bridge, street lighting, drainage improvements and curb ramps; removing existing and installing new guardrails and terminal sections, pavement markings, signs and chain link fences; and removing existing concrete pavement.
2. The Contractor is reminded of the requirements of Subsection 108.01- SUBLETTING OF CONTRACT, which requires him to perform work amounting to not less than thirty (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 105.06 - COOPERATION BETWEEN CONTRACTORS; Subsection 107.13 - PUBLIC CONVENIENCE AND SAFETY; 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 location 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. Except as noted below, the Engineer will permit lane closures only from 8:30 A.M. to 3:00 P.M. Failure of the Contractor to open all lanes of traffic during peak hours and non-working hours shall result in assessment of liquidated damages as specified in Section 108.08 - FAILURE TO COMPLETE ON-TIME AND LIQUIDATED DAMAGES, of the Standard Dpecifications. For the work time schedule, see Section 104 - SCOPE OF WORK OF THE SPECIAL PROVISIONS.

No lane closures will be permitted on Kuhio Highway from 5:00 A.M. to 10:00 P.M. Contractor must maintain one lane in each direction during the day. The left turn lane may be closed if needed to route traffic away from the work area.

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. In addition, a 3/4" thick leveling layer of Asphalt Concrete Pavement, Mix No. V shall be laid prior to placement of 2 1/2" thick resurfacing layer of 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. The Contractor shall provide for access to and from all existing side streets and driveways at all times.
13. Trimming and dressing of shoulders 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, topsoil, and if necessary, additional materials from borrow area outside the limits of the rights of way. Cold-Planed asphaltic concrete material shall not be used for shoulder dressing. Graded and dressed shoulders shall be constructed with a finished slope of 6:1 or flatter. This work shall be considered incidental to the various contract items.
14. Earth swales shall be graded to drain. This work shall be considered incidental to the various contract items.
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 the various contract items.
16. The Contractor shall remove and dispose debris and silt from existing culverts, including aprons and outlets, where inlets are to be relocated. This work shall be paid for under Item No. 603.0030 - CLEAN EXISTING CULVERTS.
17. All saw cutting and cold planing work shall be considered incidental to the various Contract items and will not be paid for separately.
18. Install new Type II Object Marker on all utility poles or trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. This work shall be considered incidental to the various Contract items. Refer to Standard Plan TE-17.
19. Prior to the resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and 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. This work shall be considered incidental to the various contract items.
20. After completion of resurfacing, the Contractor, in the presence of 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.
21. The contractor shall be responsible for cleaning and removal of all silt and debris generated by the excavation work and deposited and accumulated within downstream waterways. The contractor shall reimburse the State for costs incurred in the performance of the above work if required for public health and safety or made necessary by non-performance by the contractor.
22. The contractor shall, at his expense, keep the project and surrounding area free from dust. The State shall require supplementary measures as necessary.
23. All existing utilities, whether or not shown on plans, shall be protected at all times during construction and any damage to them shall be repaired and paid for by the Contractor, unless otherwise noted.
24. Contractor shall submit site specific Best Management Practices (BMP) to the Engineer, forty-five (45) days prior to the start of construction. Cost of the BMP submittals shall be incidental to the various Contract items.

25. Prior to commencing his resurfacing operations, the Contractor shall contact the County of Kauai's Department of Water Maintenance Branch (Phone No. 245-5444) and make arrangements for Department of Water personnel to "tone" for, and mark locations of existing valve boxes that may have been inadvertently paved over on previous resurfacing projects. Approximate location of valve boxes that are to be raised to the new finished grade are noted on the plans.

It shall be the Contractor's responsibility to offset and record locations of the valve boxes as marked by the Dept. of Water for the purposes of adjusting the valve boxes to the new finished grades after completion of his resurfacing operations. The Contractor shall preserve all offset stakes marking locations of the valve boxes. If offset stakes are damaged or lost, it shall be the Contractor's sole responsibility to survey and re-stake locations of the valve boxes.

Payment for work involved in locating paved-over water valve boxes shall not be paid for separately, but shall be considered incidental to Item No. 604.0030 - ADJUSTING EXISTING WATER VALVE FRAME AND COVER.

26. All surplus select materials shall remain the property of the State. The Contractor shall transport to and stockpile these materials at the State Baseyard, located at Kahau Road in Kapaa. The contractor shall coordinate with the Maintenance Engineer (Tel. No. 821-4440) to determine the exact locations for stockpiling the surplus materials. Transporting and stockpiling the surplus select material shall be considered incidental to Item No. 203.0010 - ROADWAY EXCAVATION. Determination of select material shall remain the responsibility of the Engineer.
27. Removal and disposal of existing curb ramps, curbs, sidewalk portions and driveways shall be paid for under the various curb ramp items.
28. All 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.
29. Upon completion of the Bridge Construction, the Contractor shall hire a Licensed Land Surveyor to complete the Federal Emergency Management Agency (FEMA), National Flood Insurance Program, ELEVATION CERTIFICATE. The Project Construction Manager will then submit the completed Certificate to the County of Kauai, Department of Public Works for further processing. This Work shall be considered incidental to the other various Contract Items and shall not be paid for separately.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
XXXXXX	TRACED BY	
No. 391	DESIGNED BY	
	CHECKED BY	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Peter L. Mow
ENGINEERS SURVEYORS HAWAII, INC.
MY LICENSE EXPIRES ON 4/30/2004

1	05/13/04	REVISED NOTES
	DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>GENERAL NOTES</u>	
KUHIO HIGHWAY IMPROVEMENTS Extension Of Temporary Kapaa Bypass Road Project No. 56A-03-00	
Scale: No Scale	Date: Mar 2004
SHEET No. 2 OF 4 SHEETS	