

GENERAL NOTES

1. The scope of work for this project includes widening the existing roadway pavement to accommodate the construction of acceleration, deceleration, left-turn and storage lanes; removing and installing metal guardrails, pavement markings and traffic signs; hydro-mulch seeding; adjusting water meters and valve boxes; and dressing of 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 peak hours from 6:30 A.M. to 8:30 A.M., during afternoon peak hours from 3:00 P.M. to 6:00 P.M., and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages 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. Earth swale shall be graded to drain. Graded swales shall be grassed. This work shall be considered incidental to the various contract items.
11. 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.
12. 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, and will not be paid for separately.
13. Prior to his resurfacing 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.
14. All saw cutting work shall be considered incidental to Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for separately.

15. 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.

16. 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.
17. 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.
18. 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.
19. 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.
20. Prior to commencing his operations, the Contractor shall contact the County of Kauai, Department of Water Operations Division (Phone No. 245-5444) and make arrangements for the Department to locate and mark the existing water facilities within the project limits, such as waterlines, valve boxes and manhole frame/covers (including ones that may have been inadvertently paved over on previous resurfacing projects). The tops of the existing valve boxes, manhole frame/covers, etc., shall be adjusted to match the new finished grades noted on the construction plans.
21. It shall be the Contractor's responsibility to offset and record locations of the valve boxes and manhole frame/covers as marked by the Department of Water for the purposes of adjusting to the new finish grade. The Contractor shall preserve all offset stakes marking the locations of the valve boxes and manhole frame/covers. If offset stakes are damaged or lost, it shall be the Contractor's sole responsibility to survey and re-stake the locations of the valve boxes and manhole frame/covers.
22. Adjusting water meter boxes. If necessary, the existing service lateral piping shall be adjusted to maintain a spacing of 6" from the centerline of the piping in the meter box to the bottom of the meter box cover. In new sidewalk areas, replace the Type "B" meter box and cover with Type "X" meter box and cover. The top of all water meter boxes shall be flush with the new sidewalk surface.
23. 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.

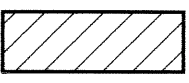
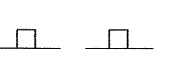
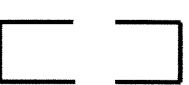

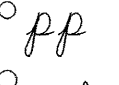


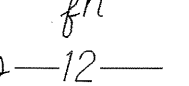
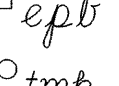
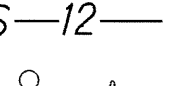


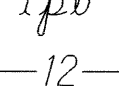

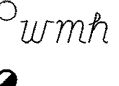
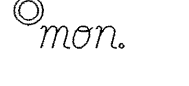
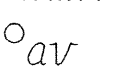

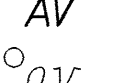
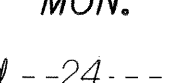

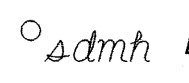






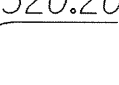
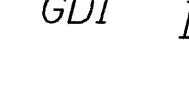
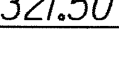


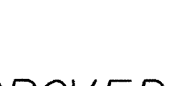







24. Removal of existing guardrails, signs, and posts shall not be paid for separately but shall be considered incidental to the various contract items.
25. Removal of existing concrete driveway shall not be paid for separately but shall be considered incidental to contract Item No. 610.0100 - 4-Inch Reinforced Concrete Driveway.

26. No material or equipment shall be stored within the County rights of way.

27. 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.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-09	2009	3	26

LEGEND

	Pavement Widening & Reconstruction Areas		Existing Metal Guardrail
	Resurfacing Limits		New Metal Guardrail
	Existing Power Pole		Adjusted and/or Relocated Metal Guardrail
	Existing Electric Manhole		Existing Fire Hydrant
	Adjusted Elec. MH Frame/Cover		Existing Sewer Line
	Existing Electric Pullbox		New 12" Sewer Line
	Existing Telephone Manhole		Existing Sewer Manhole
	Adjusted Tel. MH Frame/Cover		Adjusted Sewer Manhole
	Existing Telephone Pullbox		SMH New Sewer Manhole
	Existing 12" Water Line		SMH Existing Monument
	Existing Water Manhole		MON. Adjusted Monument
	Adjusted Water MH Frame/Cover		MON. New Monument
	Existing Water Air Valve		Existing 24" Drain Line
	Adjusted Water Air Valve		Existing Storm Drain Manhole
	Existing Water Valve Box		Adjusted Storm Drain Manhole
	Adjusted Water Valve Box		Existing Grated Drop Inlet
	Existing Water Meter Box		New Grated Drop Inlet
	Adjusted Water Meter Box		Adjusted/Reconstructed Drain Inlet or Replaced Steel Gate
	New Type "X" Water Meter Box		
	Existing Traffic Sign		
	New Traffic Sign		
	Exist. Ground or Pav't. Elev.		
	New Ground or Pav't. Elev.		

APPROVED: (For Work Within County Right of Way Only)

Prallaw K. W. 4/21/09
County Engineer Date
County of Kauai

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
KUHIO HIGHWAY Intersection Improvements at Waiakalua Street & North Waiakalua Street Project No. 56C-01-09
Date: April 2009
SHEET No. 1 OF 1 SHEETS

APPROVED:

Bruce Inoué 9/20/09
for Manager & Chief Engineer Date
Department of Water