

GENERAL NOTES

1. The scope of work for this project includes roadway excavating; hydro-mulch seeding; constructing left-turn and storage lanes; constructing realigned cane haul road; removing existing guardrails and curbs; installing new guardrails, curbs, traffic signs and pavement markings; grading; and relocating street light and guy anchor poles.
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 50 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; 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. The Contractor shall be responsible for all utility toning at no cost to the State.
6. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to resurfacing of pavement area. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
7. 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.
8. 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.
9. The contractor shall provide for access to and from all existing side streets and driveways at all times.
10. No section where guardrails have been removed shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing and maintaining physical barriers shall be considered incidental to the various contract items.
11. All traffic control devices including cones, barricades, etc. shall comply with the "Statewide Guideline for Work Zone Traffic Control Devices" dated September 13, 2000.

12. All lanes shall be open to traffic during the morning peak hours from 5:30 A.M. to 9:30 A.M., during the afternoon peak hours from 3:30 P.M. to 6:00 P.M. and during off work hours. 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 108.08 of the Special Provisions.

Provide two lanes of traffic (one lane in each direction) during working hours. Conduct work within the State right-of-way between the hours of 9:30 A.M. and 3:30 P.M.. Failure of the Contractor to open two lanes of traffic (one lane in each direction) during working hours shall result in the assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.

13. All existing speed limit signs covered during the lane closure period shall be uncovered upon the removal of the lane closure including construction warning/regulatory signs.

14. The Contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection, convenience, and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI – Traffic Control for Highway Construction and Maintenance Operations."

15. The Contractor shall notify all affected utility companies of their intent to begin construction at least two (2) weeks prior to the start of such construction.

16. All saw cutting shall be considered incidental to the various contract items.

17. The Contractor shall remove all Kauai Electric or Garden Isle Telecommunications pullboxes and/or cables uncovered on the mauka side of the highway. The work shall be considered incidental to the various contract items.

18. Removal and disposal of existing concrete curb shall be considered incidental to contract Item No. 609.2020-Curb, Type 2D.

19. Removal and disposal of existing pavement markers and striping shall be considered incidental to the various contract items.

20. The Contractor shall coordinate utility toning on the northeast corner of the intersection with Garden Isle Telecommunications.

21. All graded or exposed areas shall be hydro-mulch seeded. Payment for this item shall be made under contract Item No. 641.0100 – Hydro-Mulch Seeding.

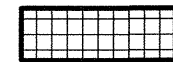
22. Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional material from outside the limits of the rights of way. This work shall be considered incidental to the various contract items.

23. All asphalt concrete materials from cold planing, sawcutting, reconstruction and roadway excavation operations shall become the property of the Contractor. The Contractor shall remove and dispose of these materials at no cost to the State.

LEGEND



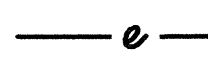
New Construction/  
Reconstruction Areas



Cold Planing Areas



Resurfacing Limits



Existing Electrical Line



New Electrical Line



Existing Joint Pole



New Joint Pole



Existing Power Pole



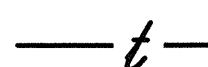
Existing Electric Manhole



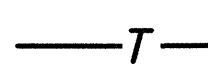
Adjusted Elec. MH  
Frame/Cover



New Electric Manhole



Existing Telephone Line



New Telephone Line



Existing Telephone Pole



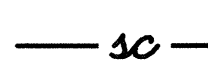
Existing Telephone Manhole



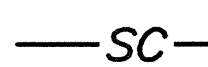
Adjusted Telephone MH  
Frame/Cover



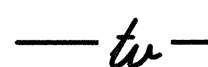
New Telephone Manhole



Existing Signal Corps Line



New Signal Corps Line



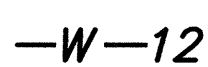
Existing TV Cable



New TV Cable



Existing 12" Water Line



New 12" Water Line



Existing Water Manhole



Adjusted Water MH  
Frame/Cover



New Water Manhole



Existing Water Air Valve



Adjusted Water Air Valve



New Water Air Valve

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-03-00	2002	3	30

Existing Water Valve Box

Adjusted Water Valve Box

New Water Valve Box

Existing Water Meter

Adjusted Water Meter

New Water Meter

Existing Fire Hydrant

New Fire Hydrant

Existing 12 inch Sewer Line

New 12 inch Sewer Line

Existing Sewer Manhole

Adjusted Sewer MH  
Frame/Cover

New Sewer Manhole

Existing Monument

Adjusted Monument

New Monument

Existing 24 inch Drain Line

New 24 inch RCP Drain Line

Existing Storm Drain  
Manhole

Adjusted Storm Drain  
MH Frame/Cover

New Storm Drain Manhole

Existing Grated Drop Inlet

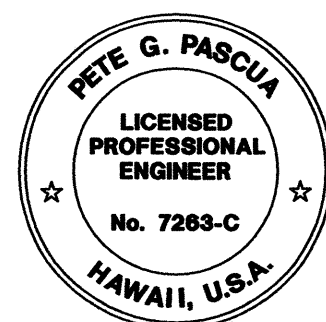
Existing Catch Basin

Existing Traffic Sign

Existing Highway Lighting  
Standard

Existing Guardrail

New Guardrail



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION  
Signature: *Pete G. Pascua* 4/30/02  
Expiration Date of the License

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES AND LEGENDS**

KUHIO HIGHWAY  
Intersection Improvements  
at South Leho Drive  
Project No. HWY-K-03-00

Scale: As Noted Date: Nov. 26, 2001

**SHEET No. 1 OF 1 SHEETS**