

SIGNING AND PAVEMENT MARKING NOTES

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- Existing signs not shown on these plans shall remain as posted unless othrewise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- Final locations of all stop lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the legend or plans.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- Removal of existing delineators and posts as directed by the Engineer shall be considered incidental to the various signing items.
- Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary. Removal of existing signs and posts to be replaced shall be considered incidental to the various sign items.
- Backing for all new regulatory and warning signs shall not be spliced.
- All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
  - "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
  - "Standard Highway Signs"
  - "Standard Alphabets for Highways Signs"
- All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
- The Contractor shall erect and maintain advance construction signs at the beginning of the project and at the end of the project as indicated on the plans or as directed by the Engineer for the duration of the highway project. These signs shall be placed in addition to the required traffic control signs called for in Section 645-Traffic Control. The advance construction signs shall be new and become the property of the State. The Contractor shall remove, clean and deliver the signs and posts to the Kapaa District Baseyard or as directed by the Engineer at the end of the project.
- All traffic control devices including: signs, barricades, vertical panels, warning lights, arrow boards, changeable message signs, cones and tubular markers that meet the requirements of American Traffic Safety Services Association (ATSSA), "Quality Standard for Work Zone Traffic Control Devices, 1992" shall be used on this project. Compliance with this requirement will be considered incidental to the contract and no extra compensation will be allowed.
- Damaged pavement markings or striping shall be replaced by the contractor at no cost to the State.

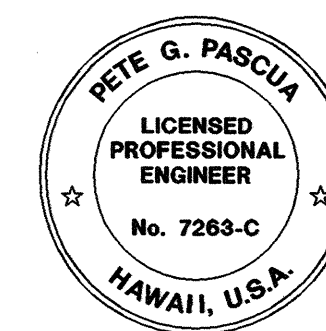
NOTES FOR CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY

- All pavement shall be restored to its original condition in accordance with County of Kauai, Hawaii Standard Specifications For Road and Bridge and Public Works Construction (1994) with 2" minimum A.C. and 8" base course.
- The Contractor shall provide, install, maintain all necessary signs, lights, flares, barricades, markers, cones and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of the public traffic. All such protective facilities, and precautions to be taken shall conform with rules and regulations governing the use of traffic control devices at work sites on or adjacent to public streets and highways adopted by the Highway Safety Coordinator and U.S. Federal Highway Administration Manual On Uniform Traffic Control Devices For Streets And Highways dated 1988 and its ammendments.
- The Contractor shall, whenever necessary, properly sheet and brace all excavations to render it secure and shall remove all such sheeting and bracing before completion of the backfill for water mains. The minimum cover requirements (from top of pipe to finished grade over pipe) is three (3) feet.
- A permit shall be obtained by the Contractor from the Department of Public Works, at the Contractor's expense.
  - Driveways shall be kept open unless owners of the abutting lots using these Right-of-Way are otherwise provided for satisfactorily.
  - All work including repair of damaged pavement and shoulders shall be inspected and approved by the Department of Public Works. All unapproved work shall be considered unacceptable and shall be reworked and corrected as directed by the Department of Public Works, at the Contractor's expense.
  - Damaged shoulders shall be restored to a condition equal to or better than existing condition.
  - Work on a public street area may be performed only between the hours 8:30 A.M. to 3:30 P.M. Monday through Friday, except holidays recognized by the County of Kauai, unless otherwise permitted by the Department of Public Works, County of Kauai.
  - During non-working hours, all trenches shall be covered with a safe non-skid bridging material and all lanes shall be opened to traffic.
  - No material and/or equipment shall be stockpiled or otherwise stored within County Right-of-Way except at locations designated in writing and approved by the County Engineer.
  - The Contractor shall conduct his operations so as to offer the least possible obstructions and inconvenience to the public and he shall have under construction no greater length or amount of work that he can prosecute properly with due regard to the rights of the public.
  - All existing drainage flow conditions shall be maintained.
- The Contractor shall retain the services of a Geotechnical Engineer for quality control. Certification from the registered Geotechnical Engineer shall be submitted to the Department of Public Works at the completion of the construction work. The Geotechnical Engineer shall also submit test results as requested by the Department of Public Works.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-700(45)R	2004	4	41

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DESIGNED BY	10/27/02
QUANTITIES BY	CHECKED BY	10/27/02
No.		

*[Signature]* 11/8/02  
COUNTY ENGINEER  
DEPARTMENT OF PUBLIC WORKS  
(FOR WORK WITHIN COUNTY RIGHT-OF-WAY) DATE



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION  
*[Signature]*

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>PAVEMENT MARKING NOTES AND NOTES FOR CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY</b> TRAFFIC SIGNAL MODERNIZATION At Various Highway Locations, Kauai Federal Aid Project No. CMAQ-700(45)R Scale: As Noted Date: May 3, 2002
SHEET No. 1 OF 1 SHEETS