





GENERAL NOTES

1. The scope of work for this project includes: mass grading, culvert extension, drainage structures, concrete rubble masonry walls, irrigation pump facility, irrigation lines, landscaping, landscape lighting, entry wall signs, traffic signs, traffic control, electrical work and other incidental work.
2. Work may be performed only between the hours of 8:30 a.m. and 3:30 p.m., Monday through Friday, except holidays, unless otherwise approved in writing by the District Engineer. Two lanes of traffic shall remain open at all times, unless otherwise approved in writing by the District Engineer.
3. 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 Highways Administration "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI - Standards and Guides for Traffic Controls for Street and Highway Construction, Maintenance, Utility and Incident Management Operations".
4. 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 District Engineer.
5. Compaction tests shall be taken in accordance with the Specifications for Installation of Miscellaneous Improvements within State Highways, as follows:
- a. Subbase: One (1) compaction test per lift per 200 lineal feet of roadway.
- b. Base Course: One (1) compaction test per lift per 200 lineal feet of roadway.
- c. One (1) compaction test per lift per 300 lineal feet of trench.
- d. A copy of the test results shall be submitted to the District Engineer.
6. Prior to commencing trench excavation work, the Contractor shall take a profile along the centerline of the proposed utility trench. This information shall be used in the verification of restoring the roadway to its original condition. A copy of the profile shall be submitted to the District Engineer.
7. The Contractor shall provide an adequate and safe non-skid bridging material, including shoring over trenches in pavement areas. The bridging shall be able to support all types of vehicular traffic.
8. Unless otherwise noted, no trench shall be opened more than 300 feet in advance of installed and tested pipeline and/or ductline.
9. Existing drainage systems shall be functional at all times.

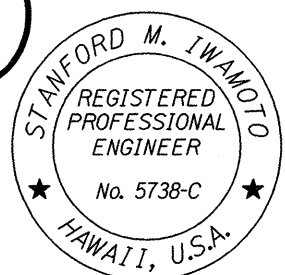
10. The Contractor shall exercise care to minimize damages to existing highway improvements. All damages shall be repaired by the Contractor, at his expense, to the satisfaction of the District Engineer.
11. All regulatory, guide, and construction signs and barricades shall have a high-intensity reflective background.
12. Driveways shall be kept open unless the owners of the properties using these rights-of-way are otherwise provided for satisfactorily.
13. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided.
14. The Contractor shall reference to the satisfaction of the District Engineer, all existing traffic signs, posts, and pavement markings prior to the commencement of construction. The Contractor shall replace or repair all traffic signs, posts, and pavement markings disturbed by his activities, at his expense, unless directed otherwise by the District Engineer or his representative.
15. The Contractor shall exercise care when performing work in or adjacent to the State Highway right-of-way. Damages to existing facilities shall be immediately reported to the respective utility companies, and/or City or State agencies. The repair work shall be done at the Contractor's expense.
16. The Contractor shall notify the State Highways' Area Engineer (274-3111), two (2) weeks prior to commencing work.
17. Traffic signals shall be kept operational during construction, and if deemed necessary by the District Engineer or his representative, a temporary vehicle detection device shall be installed.
18. Construction and restoration of all existing highway facilities within the State's right-of-way shall be done in accordance with all applicable sections of the current standard Specifications for Road, Bridge and Public Works Construction, and the Specifications for installation of Miscellaneous Improvements within State Highways, of the State Highways Division.

NOTES FOR CONSTRUCTION IN COUNTY RIGHT-OF-WAY

1. A PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUAI BEFORE WORK ON ANY PORTION OF PUBLIC STREET OR HIGHWAY MAY BEGIN.
2. DRIVEWAYS SHALL BE KEPT OPEN UNLESS OWNERS OF THE PROPERTY USING THESE RIGHTS-OF-WAYS ARE OTHERWISE PROVIDED FOR SATISFACTORILY.
3. 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 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 OF THE STATE OF HAWAII" AND U.S. FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" DATED 1988 AND ITS AMENDMENTS.
4. THE CONTRACTOR'S HOURS OF OPERATION SHALL BE BETWEEN 8:00 A.M. AND 3:00 P.M. MONDAY THROUGH FRIDAY EXCEPT ON HOLIDAYS RECOGNIZED BY THE COUNTY OF KAUAI, UNLESS OTHERWISE PERMITTED BY THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUAI. THE CONTRACTOR SHALL ALSO NOTIFY THE VARIOUS BUSINESSES AND PUBLIC THAT WILL BE AFFECTED BY THE DUCTLINE CONSTRUCTION.
5. EMERGENCY ORGANIZATIONS, SUCH AS POLICE, FIRE AND AMBULANCE SERVICES SHALL BE NOTIFIED PRIOR TO THE START OF ANY WORK. THIS WILL ALLOW THEM TO ADJUST THEIR ROUTES AND WORK SCHEDULES ACCORDINGLY.
6. THE CONTRACTOR SHALL REFERENCE, TO THE SATISFACTION OF THE DEPARTMENT OF PUBLIC WORKS, ALL EXISTING TRAFFIC SIGNS, POSTS, AND PAVEMENT MARKINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNS, POSTS, AND PAVEMENT MARKINGS DISTURBED BY HIS ACTIVITIES.
7. THE DEPARTMENT OF PUBLIC WORKS SHALL BE CONTACTED AT 241-6616 ONE WEEK PRIOR TO ANY SIGNING AND STRIPING WORK.
8. DURING WORKING HOURS, THE CONTRACTOR SHALL PROVIDE ONE LANE IN EACH DIRECTION FOR LOCAL TRAFFIC. DURING NON-WORKING HOURS, ALL TRENCHES SHALL BE COVERED WITH A SAFE NON-SKID BRIDGING MATERIAL.
9. THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT OF PUBLIC WORKS WITH A COPY OF THE FINAL AS-BUILT TRACINGS FOR THE DUCTLINE WORK.
10. WHEN REQUIRED BY THE COUNTY OF KAUAI, AN ADVERTISEMENT WILL BE PLACED IN THE NEWSPAPER BY THE CONTRACTOR, FOR ANY LANE CLOSURE. THE ADVERTISEMENT SHALL BE MADE ONE (1) WEEK BEFORE ANY LANE CLOSURE AND SHALL CONTAIN THE FOLLOWING INFORMATION:
- (A) MAP OF TRAFFIC CHANGE LIMITS;
- (B) MAP TO SHOW LANE CLOSURE;
- (C) NOTICE OF STARTING AND ENDING DATES, TIMES, AND DURATION; AND
- (D) EXPLANATION OF LANE CLOSURE, "NOTICE TO MOTORIST".
- ALSO THE CONTRACTOR WILL BE REQUIRED TO HAVE ANY LANE CLOSURE ANNOUNCED DAILY OVER THE RADIO TWO (2) DAYS BEFORE THE STARTING DATE UNTIL THE WORK IS COMPLETED. BOTH ADVERTISEMENTS IN THE NEWSPAPER AND OVER THE RADIO SHALL BE PAID FOR BY THE CONTRACTOR.
11. REPAIR OF DAMAGED PAVEMENTS, SIDEWALKS, CURBS, 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.
12. NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN COUNTY RIGHT-OF-WAYS EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE COUNTY ENGINEER.
13. DAMAGED SHOULDERS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION.
14. ALL CONSTRUCTION WORK IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE PUBLICATIONS "HAWAII STANDARD SPECIFICATIONS FOR ROAD BRIDGE AND PUBLIC WORKS CONSTRUCTION DATED 1994" AND "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION DATED 1984". THE STANDARD DETAILS ARE AVAILABLE AT THE COUNTY OF KAUAI CLERKS OFFICE.
15. THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM HIS WORK AND DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS, AND OTHER AREAS. THE COST INCURRED FOR ANY NECESSARY REMEDIAL ACTION BY THE CHIEF ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.
16. TEMPORARY RELOCATED REGULATORY AND WARNING SIGNS SHALL BE REINSTALLED AT ITS ORIGINAL LOCATION, WHEN THE CONSTRUCTION IN THE AREA HAS BEEN COMPLETED.
17. 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 CERTIFY THAT THE CONSTRUCTION WORK MEET "STANDARD SPECIFICATIONS". THE GEOTECHNICAL ENGINEER SHALL ALSO SUBMIT TEST RESULTS AS REQUESTED BY THE DEPARTMENT OF PUBLIC WORKS.

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APPROVED: (FOR WORK WITHIN COUNTY R/W)  
COUNTY ENGINEER  
DEPT. OF PUBLIC WORKS, COUNTY OF KAUAI

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
DATE: 7/2/99  
Signature: [Signature]

6-19-00	Added Construction In R.O.W. Notes & County Engineer Signature Block Per County Engineer Request
9/4/99	Replaced Sheet with Sheet ADD-2
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES	
LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT	
Scale: M.T.S.	Date: July 31, 1998

SHEET No. C - 2 OF 10 SHEETS

C.O. 3A

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	DATE
TRACED BY	DATE
NOTED BY	DATE
QUANTITIES BY	DATE
CHECKED BY	DATE
NOTE BOOK	
N	