

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY

- The Contractor shall obtain a permit to perform work upon State Highways from the State Highways' District Engineer, at 727 Kakoi Street, prior to commencement of work within the State's Highway Right-of-Way.
- 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 Highway, of the State Highways Division.
- See Contract Documents for Work Hours.
- 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 Control for Street and Highway Construction, Maintenance, Utility and Incident Management Operations". If lane closures are required during construction, a Traffic Control Plan shall be incorporated into the construction plans and must be approved by the Division prior to issuance of the permit.
- The minimum pavement structure shall consist of:
 - Residential Driveways
 - 2" Asphalt Concrete (Mix IV) and 6" Aggregate Base Course, or 2" Asphalt Concrete and 2 1/2" Asphalt Concrete Base Course or Asphalt Concrete.
 - 4" Class "A" Concrete Reinforced with 6" x 6" W2.9 x W2.9 Wire Mesh on 12" Aggregate Subbase, if deemed necessary by the Engineer.
 - Commercial Driveways, Sideroads, and Utility Installations on Minor Highways
 - 2 1/2" Asphalt Concrete (Mix IV), 8" Aggregate Base Course and 12" Subbase, or 2 1/2" Asphalt Concrete and 8" Asphalt Concrete Base Course or Asphalt Concrete.
 - 6" of Class "A" Concrete Reinforced with 6" x 6" W2.9 x W2.9 Wire Mesh on 12" Aggregate Subbase, if deemed necessary by the Engineer.
- 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.
- Compaction tests shall be taken in accordance with the Specifications for installation of miscellaneous improvements within State Highways, as follows:
 - Subbase: One (1) Compaction Test per lift per 100 lineal feet of roadway.
 - Base Course: One (1) Compaction Test per lift per 100 lineal feet of roadway.
 - One (1) Compaction Test per lift per 300 lineal feet of trench.

- 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.
- 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.
- Unless otherwise noted, no trench shall be opened more than 300 feet in advance of installed and tested pipeline and/or ductline.
- Existing drainage systems shall be functional at all times.
- 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.
- All regulatory, guide, and construction signs and barricades shall have a high-intensity reflective background.
- Driveways shall be kept open unless the Owners of the properties using these rights-of-way are otherwise provided for satisfactorily.
- 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.
- 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.
- 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.
- The Contractor shall notify the State Highways' Highway Lighting and Traffic Signal Supervisor (834-4581), three (3) working days prior to commencing work.
- 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. All work shall be done in accordance to the requirements of the Department of Transportation Services, City and County of Honolulu, and paid for by the Contractor.
- The Contractor shall notify Oahu Transit Services, Inc. (OTS), Ed Shiffen at 848-4571, or Lowell Tom at 848-4578, two weeks prior to commencing any work. The Contractor shall inform OTS of the location and scope of work, proposed closure of any street or traffic lane, and the need to relocate any bus stop.

- The Permit to perform work upon State Highways may be revoked because of default in any of the following, but not limited to, conditions:
 - Work performed before or after permitted hours.
 - Failure to maintain roadway surfaces in a smooth and safe condition.
 - Failure to clean up construction debris generated from Project work.
 - Failure to provide proper traffic control.
 - Failure to replace damaged pavement markings and signs.
- Before trenching or excavating, structural outlines and center lines of roadway light foundation shall be clearly staked, and approval received from Engineer and utility companies. Staking shall be with steel or wood pegs or paint.

TRAFFIC SIGNALS & TECHNOLOGY NOTES:

- All work shall be done in accordance with the "Standard Specifications for Public Works Construction", September, 1986, of the Department of Public Works, City and County of Honolulu, except as modified herein or in the Special Provisions.
- The Contractor shall verify with the respective Utility Companies and Government Agencies, the locations of all electric, telephone, traffic signal, street light, fire alarm, gas, water, sewer, drain, and other lines crossing the excavation path or in excavation areas.
- Locations of traffic signal conduits shall be staked out by the Contractor and approved by the Engineer prior to any excavation.
- All structures, pavements, utilities, landscaping, and other topographical features shown on the Intersection Drawings are existing and are to remain unless noted or indicated otherwise.
- The Contractor shall notify all affected Utility Companies and Government Agencies of their intent to begin construction on any intersection or street at least two (2) weeks prior to the start of such construction.
- The Contractor may close only one lane of traffic at a time for any reason. during the peak traffic periods from 6:00 to 9:00 a.m. and from 3:00 to 6:00 p.m., Monday through Friday, all lanes shall be kept open and maintained at all times.
- The Contractor shall notify the Traffic Control Branch, Department of Transportation Services, three (3) working days prior to commencing work on the traffic signal system (phone: 768-8388).
- The Contractor shall be responsible for any damages to the existing traffic signal facilities, including the Traffic Signal Interconnecting System. Any and all damages to these facilities shall be repaired by the Contractor at his cost in accordance with the requirements of the City and County of Honolulu.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	259	331

GENERAL PLAN	DATE
REVIEW PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

LAST DATE OF REVISION: 02 FEB 2007
BY: [Signature]

DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
STATE NOTES AND MISCELLANEOUS DETAILS	
North-South Road Phase 1B F.A.I. Proj. No. STP-8930(2)	
Scale: AS NOTED	Date: Feb 21, 2007
SHEET No. E03 OF 62 SHEETS	

