

GENERAL NOTES

1. The project includes replacement of the bridge deck, structural spot rehabilitation, cleaning and painting of the bridge elements/ members, installation of additional structural supports, improvements to the bridge endposts, and setup and maintenance of contra-flow detour.
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 30 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 105.06 – Cooperation Between Contractors; Subsection 107.13 – Public Convenience and Safety; Subsection 107.21 – Contractor's Responsibility for Utility Property and Services; and Section 645 – Traffic Control.
4. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic.
5. The existence and location of underground utilities, manholes, monuments, structures and bridge utilities 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. The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be as shown on the plans and verified in the field by the Engineer.
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
8. The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tapes, and epoxy adhesives prior to the overlaying of asphalt concrete. This work shall be considered incidental to the various contract items.
9. All holes, depressions and wheel ruts shall be filled and compacted with asphalt concrete pavements, Mix No. V prior to resurfacing, as directed by the Engineer. This work will be considered incidental to the various contract items.
10. Smooth riding connections shall be constructed at all limits of re-surfacing, 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.
11. 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 the various contract items.
12. The Contractor shall provide for access to and from all existing side streets at all times.
13. All saw cutting work shall be considered incidental to the various contract items.
14. No section of incomplete guardrail, end treatment, footing and/ or excavation shall be left unshielded at the end of the day. This work shall be considered incidental to applicable contract items.

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY

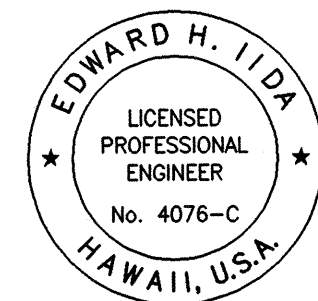
1. The Contractor shall obtain a permit to perform work upon State highways from the State Highways District Engineer, at 727 Kakoi Street, prior to commencement of work within the State's highway Right-Of-Way.
2. Construction and restoration of all existing highway facilities within the State's Right-Of-Way including the legal relations and responsibilities to the public, shall be in accordance with 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.
3. Two way traffic shall be maintained for duration of construction period.

4. 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 shall conform with "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 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 Highways Division prior to the issuance for the permit.
5. The minimum pavement structure shall consist of:
- 4" asphalt concrete (Mix IV), 8" asphalt concrete base course and 12" subbase course or match existing pavement structure, whichever is greater.
6. 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.
7. 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 Engineer.
8. The Contractor shall provide an adequate and safe non-skid bridging material, including shoring, over trenches in pavement area. The bridging shall be able to support all types of vehicular traffic.
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 Engineer.
11. The Contractor shall inform the State highways permit office (831-6712) at least two (2) days prior to closing any lanes.
12. Driveways shall be kept open unless the owners of the properties using this Rights-Of-Ways 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 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 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 shall be done at the Contractor's expense.
16. The Contractor shall notify the State highways, highways lighting and traffic signal supervisor (837-8056), three (3) working days prior to commencing work.

17. The permit to perform work upon State highways may be revoked because of default in only the following, but not limited to, condition:
- A. Work performed before or after permitted hours.
- B. Failure to maintain roadway surfaces in a smooth and safe condition.
- C. Failure to clean up construction debris generated from project work.
- D. Failure to provide proper traffic control.
- E. Failure to replace damaged pavement markings and signs.
18. The Contractor shall notify the State highways permit office (831-6712) at least two days prior to performing any trench restoration work. This work shall include any backfilling and compacting of trench material; Any placing and compacting of base course material; And any paving operations. Any trench restoration work performed by the Contractor that is not witnessed by a State representative will by required to be removed and restored with a State representative present. All restoration work will be at the Contractor's expense.
19. Temporary cold mix trench patches will be permitted in any given area for a maximum duration of two weeks, and shall be a minimum of 2 inches thick. All temporary patches shall be placed over properly placed and compacted backfill and base course layers. Contractor shall be responsible for maintaining all temporary patches and to make repairs to unsatisfactory patches within 24 hours.
20. The Contractor will make every effort to minimize the use and duration of use of steel plates. All steel plates shall have a non-skid surface. The State may require the backfilling and patches of trenches due to the excessive usage of steel plates.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. The permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc., to fit field conditions.
2. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
3. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
4. Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered. All signs shall be restored upon completion of the work.
5. All regulatory, guide, and construction signs and barricades shall have a high-intensity reflective background.
6. Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
7. The permittee shall install a flashing arrow signal as shown on the traffic control plans, unless otherwise authorized by the Engineer.
8. Sign spacing (L), taper lengths (T) and spacings of cones or delineators shall be as noted on the traffic control plans, or special provisions.
9. All traffic lanes shall be a minimum of 12 feet wide.
10. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
11. The back of all signs used for traffic control shall be marked with the sign owner's name.
12. At the end of each day's work or as soon as the work is completed. The permittee shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
13. Replace permanent pavement markings and traffic signs upon completion of each phase of work.
14. All work zone traffic control devices shall comply with the "Statewide Guidance For Work Zone Traffic Control Devices" Dated September 13, 2000.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Mitsunaga & Associates, Inc.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(8)	2002	4	45

01/07/03	7 Note Added
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES	
SAND ISLAND PARKWAY BASCULE BRIDGE DECK REPLACEMENT DISTRICT OF HONOLULU Federal Aid Project No. NH-064-1(8) Scale: As Noted NOVEMBER 2002	
SHEET No. C-1 OF 5 SHEETS	