GENERAL NOTES

- 1. The scope of work consists of 0.4 miles of corridor widening with retaining walls and new pavement markings throughout the 0.7 mile corridor to provide a minimum 8-foot shoulder, where possible, and accommodate a new 11-foot lane. Widening will require right-of-way acquisition, utility relocations, and structural modification to two bridge structures including Gulick Avenue Overpass and Kalihi Stream Bridge. Structural modifications include widening, relocating bridge abutments, and upgrading sub- and superstructures.
- 2. The Contractor is reminded of the requirements of Subsection 105.16 Subletting of Contract, which requires them to perform work 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.
- 23. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 Contractor Duty Regarding Public Convenience; Section 645 Work Zone 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 tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. 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 Contractor shall notify the Oahu Transit Services, Inc., Road Supervision Office, 811 Middle Street, Honolulu, Hawaii 96819 (Telephone Number 848-4500), two (2) weeks prior to construction, informing them of location, scope of work, and dates of lane(s) closure(s) of Name of Highway.
- 7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
- 8. The Contractor shall obtain a Community Noise permit from the State Department of Health, Noise and Indoor \$\psi\$ Radiological Health Branch, 99-945 Halawa Valley Street Aiea, HI 96701; Telephone No. 586-4700. This shall be considered incidental to various contract items and will not be paid for separately.
- 9. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.

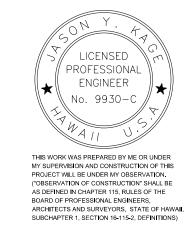
- 10. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items and will not be paid for separately.
- 11. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to various contract items and will not be paid for separately.
- 12. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to various contract items and will not be paid for separately.
- 13. Removal and disposal of existing curb and gutter, curb, sidewalk and asphalt concrete pavement, curb, sidewalk and any debris shall be considered incidental to their respective bid items.
- 14. All saw cutting work shall be considered incidental to various contract items and will not be paid for separately. Saw cutting work with hand/handheld tools is not permitted.
- 15. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
- 16. The top of the Hot Mix Asphalt Concrete Base Course (Section 301) prior to placement of the new HMA Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16."
- 17. Concrete sidewalk shall be reinforced with 6x6 W1.4xW1.4 welded wire fabric per HDOT Standard Plan D-15.
- 18. Dressing of sidewalk shall consist of clearing and grubbing, grading, reshaping and compacting with suitable material the area adjacent to the improvement as shown on the plans and/or as directed by the Engineer, and shall be considered incidental to Sidewalk.
- 19. All curbing angle points within the curb ramps shall be rounded with R=6".
- 20. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks, and ADA access routes complying with ADAAG Section 403.1, and side streets and cross streets at all times. This work shall be considered incidental to various contract items and will not be paid for separately.
- 21. The Contractor shall call the Hawaii One Call Center at 866-423-7287 for field verification of HECO's underground lines a minimum of 5 working days prior to excavation.

FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET TOTAL SHEETS

HAWAII HAW. NH-H1-1(280) 2023 ADD. 3 466

- 22. The Contractor shall provide and maintain a temporary pedestriansafe and easily accessible route or detour with barricades in or near the work zone. This temporary route or detour shall be paved with at least 1-1/4 inch of HMA Pavement, Mix No. V or steel and/or wood planks and shall be American With Disabilities Act (ADA) compliant (This is only applicable if existing surface is dirt and/or if existing surface is non-ADA compliant). This work shall be incidental to various contract items and will not be paid for separately.
- 23. Provide smooth transition where new sidewalk construction meets the existing grade or sidewalk. Transition shall not be steeper than 2% cross and longitudinal slopes and not less 6.0 feet long or as specified on the plans. This work shall be considered incidental to various contract items and will not be paid for separately.
- 24. 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 various contract items and will not be paid for separately.
- 25. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed in writing and approved by the Engineer.
- 26. Vendors shall not be considered as subcontractors. No work shall be performed by vendors under this contract.
- 27. The Contractor shall obtain a Permit to Perform Work Upon State Highway from the HDOT Highways Division Oahu District Engineer, at 727 Kakoi Street, prior to commencing work within the State right-of-way.
- 28. The Permit to Perform Work Upon State Highway may be revoked due to defaulting on contract requirements, including, but not limited to the following:
 - a) Performing work before or after permitted hours.
 - b) Failure to maintain the roadway in a smooth and safe condition.
 - c) Failure to clean up construction debris generated from project work.
 - d) Failure to provide or maintain proper traffic control.
 - e) Failure to replace damaged pavement markings and signs.
 - f) Failure to maintain highway lighting and/or traffic signal systems.
 - g) Failure to address public complaints to the satisfaction of the Engineer.

Any revocation of the permit shall be at the Contractor's expense and no additional cost to the State and no additional contract time will be added.



JACOBS ENGINEERING GROUP INC LICENSE EXPIRES 04-30-24 DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-H1-1(280)

Scale: No Scale

Date: Dec 2022

SHEET No. GN2.01 OF 2 SHEETS

4/7/23 Add. 2 - Revised Note

DATE REVISION

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ORIGINAL PLAN NOTE BOOK

ADD. 03

SIGNS & MARKING NOTES

- 1. All Traffic Sign and Pavement Marking installations shall be done in accordance with "Manual on Uniform Traffic Control Devices for Streets and Highways," 2009 Edition, as amended, the latest specifications from the Traffic Review Branch, Department of Planning and Permitting, and as shown on the plans.
- 2. Contractor shall notify and coordinate work with the Civil Engineering Branch, Department of Planning and Permitting, one (1) week in advance of commencing work at 768-8084.
- 3. Contractor shall submit material brochures for all signs and paint materials to the Civil Engineering Branch, Department of Planning and Permitting.
- 4. The signing and/or striping contractor shall keep one (1) set of approved plans at the project site at all times during construction work.
- 5. Contractor shall paint temporary guidelines and outline of arrows, legends, and crosswalks with a two inch (2") wide brushed line on the day the roadway is opened to traffic. These markings must be approved by the inspector from the Civil Engineering Branch, Department of Planning and Permitting.
- 6. Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting at 768-8084, three (3) days in advance of final inspection.
- 7. Contractor shall meet with the inspector from the Civil Engineering Branch, Department of Planning and Permitting during the final inspection.
- 8. Within ten (10) days following notification of award of contract, the Contractor shall submit to the Department of Planning and Permitting (Phone: 768-8084) for approval, a list of any signing and pavement manufacturer, catalog number, and shall be supplemented with material brochures.
- 9. Upon final inspection of the project, the contractor shall submit a letter of certification for all traffic signing and pavement marking materials installed.
- 10. Signs shall be attached to brackets with 5/16" Zinc Plated Steel Blots, Nuts and Washers. Signs 48" wide or larger than 10 Sq. Ft. in area shall be mounted on two 2" Galv. Pipe Post. The sign shall be installed with at least one (1) foot clearance from the sign edge to the curb face.
- 11. All traffic signs shall be reflectorized.
- 12. Raised pavement markers shall be installed in accordance with the Department of Planning and Permitting standards.

- 13. Location of "STOP" sign:
 - A. Install "STOP" sign at curb tangent point.
 - B. Install "STOP" sign on metal street light standard if a standard is located within 10 feet of curb return.
 - C. Install "STOP" sign in front of utility pole if a pole is located within 10 feet of curb return.
- 14. Pavement word and symbol markings shall be in accordance with the Department of Planning and Permitting standards.
- 15. The Contractor shall use thermoplastic material, approved by the Civil Engineering Branch, Department of Planning and Permitting, for all crosswalks, stop bars, pavement arrows, center lines, lane lines, arc lines, channelized traffic islands, and legends.

TRAFFIC NOTES FOR WORK ON CITY & COUNTY STREETS

- 1. A permit shall be obtained from the Department of Transportation Services before work on any portion of a public street or highway may begin. Construction Traffic Control Plans approved by the Department of Transportation Services and/or the Department of Planning and Permitting must be provided when applying for the permit.
- 2. The Contractor shall provide, install, and maintain all necessary signs and other protective facilities, which shall conform with the "Hawaii Administration Rules 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's "Manual on Uniform Traffic Control Devices for Street and Highways, Part VI Traffic Controls for Street and Highway Construction and Maintenance Operations."
- 3. Work on any city street area may be performed only between the hours of 8:30 a.m. to 3:30 p.m., Monday through Friday, unless otherwise permitted by the Department of Transportation Services.
- 4. During working hours, the contractor shall provide for through traffic. During non-working hours, all trenches shall be covered with a safe non-skid bridging material and all lanes shall be open to traffic.
- 5. As required by the Department of Transportation Services, the Contractor shall provide off-duty police officers to control the flow of traffic.
- 6. Where pedestrian walkways exist, they shall be maintained in passable condition or other facilities for pedestrians shall be provided. Passage between walkways at intersections shall likewise be provided.
- 7. Driveways shall be kept open unless the owners of the property using these rights of way are otherwise provided for satisfactorily.

- 8. Contractor shall reference to the approval of the Department of Transportation Services and the Department of Planning and Permitting, 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 their activities.
- 9. The Contractor shall notify the Department of Planning and Permitting at 768-8084 one (1) week prior to any work to be done on signs, posts and pavement markings.
- 10. No equipment shall be stored within street rights of way except at locations designated in writing and approved by the Department of Transportation Services.
- 11. Hawaii Department of Transportation shall ensure that the contractor installs the construction traffic control devices in accordance with the MUTCD and the Hawaii Administration Rules as specified in traffic note 2.

APPROVED:

("OBSERVATION OF CONSTRUCTION" SHALL B AS DEFINED IN CHAPTER 115, RULES OF THE BOARD OF PROFESSIONAL ENGINEERS,

ACOBS ENGINEERING GROUP INC.

CHIEF, TRAFFIC REVIEW BRANCH, DPP DATE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-H1-1(280)

Scale: No Scale

Date: Dec 2022

SHEET No. GN2.02 OF 2 SHEETS

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