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STATE OF HAWAII

## DEPARTMENT OF TRANSPORTATION

HONOLULU, HAWAII

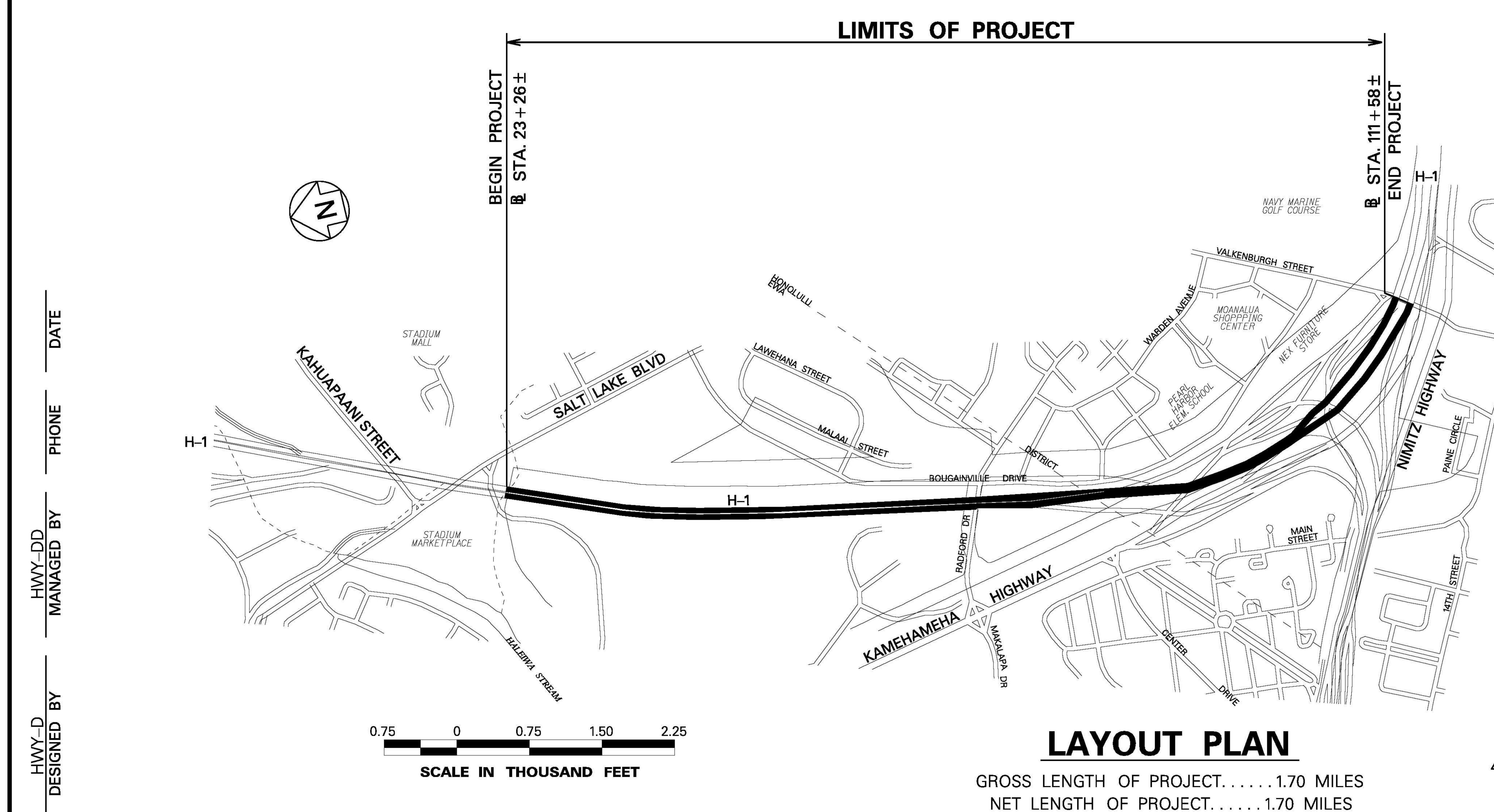
### PLANS FOR

# INTERSTATE ROUTE H-1 REHABILITATION

SALT LAKE BOULEVARD TO AIRPORT VIADUCT

FEDERAL-AID PROJECT NO. NH-H1-1(275)

DISTRICTS OF EWA & HONOLULU ISLAND OF OAHU



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---- FEDERAL AID INTERSTATE PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

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MILE POST <u>14.05</u> TO MILE POST <u>15.75</u>

INTERSTATE ROUTE H-1 DESIGN DESIGNATION			
KAHUAPAANI STREET TO RADFORD DRIVE OVERPASS RADFORD DRIVE OVERPASS TO ELLIOTT STREET			
ADT (2021)	ADT (2021)		
DHV	DHV 16,100		
D	D		

1 1/21/22 Removed all Radar Traffic Counting System Plans from the scope of work.

DATE REVISION

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII

APPROVED:
Oct 21, 2021

DIR. OF TRANSPORTATION DATE

#### GENERAL NOTES

- The scope of work for this project consists of cold planing and resurfacing full depth reconstruction; replacing existing guardrails; reconstruction of existing asphalt concrete gutters; installing pavement markings, signs, median and shoulder rumble strip, milepost reference markers; utility adjustment; removal of existing invasive Opiuma trees.
- The Contractor shall obtain all necessary permits prior to start of work at his own cost.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.09 - Maintenance of Traffic; Subsection 104.11 - Utilities and Services; Subsection 107.06 -Contractor Duty Regarding Public Convenience; Section 645 - Work Zone Traffic Control; and Section 697 - Public Communication and Coordination.
- Contractor staging and storage areas identified in the environmental documents have been permitted for NPDES and Noise Variance, but the Contractor shall obtain permission to use the areas prior to construction. If the Contractor would like to use other areas that have not been included in the NPDES permit, the contractor shall be responsible for obtaining necessary permits at his own cost.
- The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks, ADA access routes complying with 2010 ADAAG Section 206.1, 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.
- 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.
- For night and weekend work, the Contractor shall follow all work hours, conditions, and other restrictions as specified in the noise variance and the Special Provisions. See Special Provisions Subsection 107.03 - Working Hours; Night Work.
- The Contractor shall not perform any construction work during periods of heavy rainfall.
- The Contractor shall notify the Department of Transportation Services Transportation Mobility Division (DTS-TMD) no less than 30 days prior to the start date of work, DTS-TMD shall review and approve the scope of work, location, and duration of any work that affects bus operations, routes or stops. Notification is required to all of the following phone numbers and emails: DTS-TMD - (808) 768-8396, TheBusStop@honolulu.gov, handivan@honolulu.gov; Oahu Transit Services Bus Operations - (808) 768-9520, (808) 848-4565, John.Donovan@thebus.org, Spaio@thebus.org, FIELD-0PS-MGR@thebus.org; Oahu Transit Services Para-transit Operations - (808) 454-5006.
- 10. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations, a minimum of eight (8) weeks prior to implementation of detour routes, and a minimum of six (6) weeks prior to implementation of lane closures. See all requirements for lane closures in Special Provisions Section 645 - Work Zone Traffic Control. See all requirements for public notification, communication, and coordination in Special Provisions Section 697 -Public Communication and Coordination.
- Prior to resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items with locations, including water, drainage, sewer, electrical, telephone, survey monuments, and cable utilities to be adjusted to the new finished grade.

- 12. 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 the work is possible. The contractor shall make an independent check on the ground by probing and/or checking with the various utility companies or government agencies to verify the exact locations and depths of the existing utilities and obstructions. The Contractor shall exercise proper care in excavating in the area. Whenever connections of new utilities are shown on the plans, the contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavating. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations. All damaged portions shall be replaced or repaired in accordance with the Standard Specifications and shall include all upgrades and betterments to the standards of the utility or agency at no cost to the State.
- 13. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocations, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.
- 14. The Contractor shall comply with utility coordination requirements per Standard Specification Section 104.11. As part of coordination requirements, the Contractor shall include carbon copy the Engineer in all correspondences with utilities companies.
- 15. The Contractor shall contact Hawaii One Call Center to have respective utility companies and agencies mark where their underground utilities are located. The Contractor shall comply with all requirements of Hawaii One Call Law. The Contractor shall be liable for any damages if Hawaii One Call requirements are not strictly adhered to. In accordance with Hawaii State Law Section 269E-7, the Hawaii One Call Center (HOCC) shall provide an inquiry identification number for each location request provided by the Contractor. The inquiry identification number and utility marks shall remain valid for not more than twenty-eight (28) calendar days from the date of issuance and after that date shall require the Contractor to submit a new request for HOCC revalidation. The Contractor shall provide all inquiry identification numbers for each location request to the Engineer and provide written notice of scheduled toning at least one week ahead of toning. If there is a potential conflict, contractor shall inform DOT within 24 hours of discovery. Contractor shall probe around area with hand tools and take precautions to not damage utilities. The Contractor shall independently verify the toned areas of excavation prior to excavation. This work shall be incidental to various contract items and shall not be paid for separately.

Before conducting any excavation in the public right of way or on private property, the Contractor shall call the Hawaii One Call Center at least five (5) working days before beginning excavation operations. Be sure to give them the address and location of the nearest cross street(s) near the planned excavation site. Call 811 toll-free 24 hours a day. For more information, go to www.callbeforeyoudig.org. The Hawaii One call Center will contact all utility companies to tone, mark, or identify the location of their underground utilities for free. Mark the area where you plan to excavate in White and label all of the other utilities as listed below.

REDElectric power lines, cables, or conduits, and lighting

Gas, oil steam, petroleum or other hazardous liquid or YELLOW gaseous materials.

ORANGE Communications, cable TV, alarm or signal lines, cables, or /2conduits.

BLUE Water, irrigation, and slurry lines.

Sewers, storm sewer facilities or other drain lines.

WHITEProposed excavation.

PINK Temporary survey markings.

Reclaimed water, irrigation and slurry lines.

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- 16. The Contractor shall be responsible for referencing and preserving all survey monuments on State property. The Contractor shall coordinate with the State Construction Surveyor prior to construction to locate and verify all monuments. All survey monuments disturbed or destroyed by the Contractor shall be reinstalled at no cost to the State. Only a licensed State of Hawaii Land Surveyor shall reference, locate, adjust or reinstall monuments. Adjusted or reset monuments shall comply with Standard Plan D-07 or D-08 where applicable. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments. All costs associated with coordination, referencing, preserving, adjusting, installation, and verification of survey monuments is included in the various contract pay items and shall not be paid for separately.
- 17. 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.
- 18. Prior to construction the contractor shall submit reconstruction area calculations including dimensions, areas, and tonnage in milestone increments consistent with the schedule for the various pavement and reconstruction work.
- 19. The exact locations and limits of areas to be filled with Hot Mix Asphalt Pavement, Mix No. V, cold-planed, reconstructed, or excavated shall be determined in the field by the Contractor. The Contractor shall provide drawings showing the location and outlines of the proposed repair areas for review and acceptance.
- 20. The Contractor may elect to reconstruct the entire depth of pavement reconstruction with subsequent cold planning as a means and methods for doing the work. However, the State will not pay for the extra asphalt concrete base that is later removed. Any area of pavement section that is cold planed or excavated a second time will not be paid for.
- 21. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. The removal and disposal of the pavement markers shall be incidental to the contract work.
- 22. All holes, depressions and wheel ruts shall be filled and compacted with Hot Mix Asphalt Pavement, Mix No. V prior to resurfacing.
- 23. The existing drainage system shall be kept functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow.
- 24. Smooth riding connections shall be constructed at all limits of resurfacing 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.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

INTERSTATE ROUTE H-1 REHABILITATION SALT LAKE BOULEVARD TO AIRPORT VIADUCT 11/19/21 Made additions to Note #15.

Moved Notes #25, #26, #27, and #28 to the next General Notes Sheet No. 4.


FEDERAL-AID PROJECT NO. NH-H1-1(275) Date: October, 2021

SHEETS SHEET No. 1

REVISION

1/21/22 Removed all Radar Traffic Counting System plans and items from the scope of work.

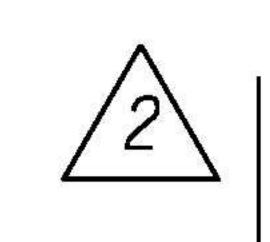
DATE



### RADAR VEHICLE SENSING DEVICE (RVSD) SYSTEM NOTES

- The location of new RVSD system components shall be marked in the field by the Contractor and approved by the Engineer prior to installation.
- 2. The Contractor shall inform the Engineer at least three days prior to installing sensors and other RVSD system components.
- Utility crossing conduits shall be concrete encased, per Standard Plan TE-36.
- The Contractor shall verify the location of existing utilities and underground structures whether or not shown on the plans.
- The Contractor shall assume that underground utilities not shown on the plans may exist. The Contractor shall be responsible for contacting the different utility companies for information and toning.
- 6. The Contractor shall be held liable for any damages incurred to existing utilities and underground structures as a result of operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State.
- Changes to the contract plans and specifications will not be permitted, unless approved by the Engineer in writing.
- Sensor lead cables shall be installed in PVC Coated Galvanized rigid metal conduits in above-ground locations, or as directed by the Engineer.
- Sensor lead cables shall be tested for acceptance before and after installation into conduits.
- 10. Sensor lead cables shall be continuous with no splices.
- Sensor lead cables shall be terminated in the controller cabinet and shall have a minimum of 12" additional slack.
- 12. The Contractor shall restore all affected areas to their original condition or better. This item of work shall not be paid for separately, but shall be considered incidental to work of other paid items.

13. The Contractor shall submit within 7 days following Contract award, two copies of materials and equipment purchase requisition, including copies of the equipment list, manufacturer 1/32's brochures, catalog cuts, and shop drawings to the Engineer for acceptance.



1/21/22 Removed all Radar Traffic Counting System plans and items from the scope of work.

11/10/21 | Added Note 13.


STATE OF HAWAII DEPARTMENT OF TRANSPORTATION


SYSTEM NOTES


INTERSTATE ROUTE H-1 REHABILITATION SALT LAKE BOULEVARD TO AIRPORT VIADUCT

FEDERAL-AID PROJECT NO. NH-H1-1(275)

Date: October, 2021 REVISION SHEETS







ADD. 45

