

SURVEY PLOTTED BY

DATE

ORIGINAL PLAN

DRAWN BY

TRACED BY

DESIGNED BY

CHECKED BY

NOTE BOOK

No.

GENERAL NOTES

1.

The scope of work for this project consists of cold planing, resurfacing, reconstructing weakened pavement areas, adjusting existing monuments and utility manholes, replacing existing loop detectors and traffic counting stations, replacing existing curb ramps with new concrete sidewalk, installing new curbs, installing signs, pavement markings, striping, and traffic signal head backplates.
2.

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.
3.

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 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 in accordance with the standards and specifications of the affected utility company at no cost to the State.
4.

All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his 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.
5.

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.
6.

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.
7.

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, including water, drainage, sewer, electrical, telephone, and cable utilities to be adjusted to the new finished grade.
8.

The exact locations and limits of areas to be reconstructed and cold planed shall be determined in the field by the Engineer.
9.

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-OPS-MGR@thebus.org; Oahu Transit Services Para-transit Operations - (808) 454-5006.
10.

The Contractor shall obtain all necessary permits prior to start of work at his own cost.
11.

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.
12.

The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete.

13.

All holes, depressions and wheel ruts shall be filled and compacted with Hot Mix Asphalt Pavement, Mix No. V prior to resurfacing.
14.

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.
15.

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.
16.

The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement.
17.

Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
18.

The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
19.

Contractor shall dispose or deliver any removed material at no cost to the State.
20.

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.
21.

After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas. Corrective measures shall be approved by the Engineer.
22.

The Contractor is to take special measures to reduce dust from cold planing operations including but not limited to use of water misters on cold planing equipment and vacuum sweepers. Use of power brooms to sweep road is not allowed if a dust nuisance is created.
23.

The vertical riding surface drop-off between adjacent surfaces shall not exceed 3-inches. This shall include differences in height between adjacent pavement surfaces, cold planed surfaces, bridge decks and new concrete slabs. If a vertical riding surface drop-off exists at the end of each day's work, the Contractor shall provide temporary transition tapers with maximum slopes of 48:1 for travel in the longitudinal direction and 6:1 for transverse movements.
24.

The Contractor shall not perform any construction work during periods of heavy rainfall.
25.

The Contractor shall use the Traffic Control setup included in the 2005 Hawaii Standard Specifications for Road and Bridge Construction Section 645, and/or develop a site specific Traffic Control Plan where warranted.
26.

The Contractor shall coordinate with the Honolulu Police Department Special Duty Section to hire police officers for traffic control operations and transporting of project equipment to ensure minimal delay due to lane closures.
27.

Any Survey Monuments that are disturbed shall be restored under the supervision of a licensed land surveyor registered in the State of Hawaii at no cost to the State. All survey data shall be certified by the surveyor and submitted to the Engineer.

PAVING AROUND MANHOLES

1.

The Contractor shall first lower manholes more than cold planing thickness indicated on typical sections prior to cold planing. The work shall be considered incidental to the various paving contract items. Upon final paving, the manhole shall be raised and paid under the various contract items pertaining to manhole adjustments.
2.

The Contractor shall place hot asphalt concrete around manholes and compact properly with a vibrating plate compactor.
3.

If a plate compactor is not used, the Contractor shall use a pneumatic roller to roll the area around the manhole which is not rolled by the steel roller.
4.

The Contractor shall fog seal or brush emulsion seal on the material placed as backfill on the area around the manhole that was not compacted by the roller. Black sand shall be used to blot out the area if the fog is too heavy.

TRAFFIC SIGNAL NOTES

1.

Contractor shall coordinate with C#C DTS Signal Shop (Supervisor Wally Nakihira @ 564-6101) for all traffic signal-related work. Schedule with C#C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing and removing the existing loop detector.
2.

Contractor shall perform all traffic signal-related work following field instructions from DTS Signal Shop personnel. Such field instructions shall include, but is not limited to, the final location and quantity of the temporary microwave sensors and permanent detector loops. DTS Signal Shop personnel will be responsible for traffic signal controller programming at the traffic signal cabinet to accommodate the temporary and permanent operations.
3.

Contractor shall promptly take down and turnover the temporary microwave sensors to DTS when the permanent detector loops are in place and operational. Contractor shall perform all necessary work to restore traffic signal system back to a neat appearance of the electrical trade.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

NIMITZ HIGHWAY & ALA MOANA BOULEVARD RESURFACING
SAND ISLAND ACCESS ROAD TO VICINITY OF PIIKOI STREET
FEDERAL-AID PROJECT NO. NH-092-1(030)

Date: November, 2020

NO POTENTIAL TO AFFECT HISTORIC PROPERTIES

1. This Project shall have no potential to cause effects to historic properties. Therefore, the Contractor shall ensure the following:
- a. No part of this project shall penetrate below the sub-base course of the roadway or disturb any subgrade soils.
- i. In the event a pothole is found that is deeper than subgrade, repairs must be made without disturbing the soil. Use of geotextile fabric is encouraged. Make a note of the repairs and the GPS location so that reoccurring potholes may be addressed in a future project.
- b. No signposts in this Project require new ground disturbance. Any signpost replacements shall be done in their existing locations.
- c. Guardrail repairs shall be done within the existing right-of-way, shall not disturb previously undisturbed soils, and shall not penetrate below the sub-base course of the roadway.
- d. Vegetation maintenance shall be limited to activities that do not penetrate the sub-base course of the roadway, or roadway shoulders.
- e. No part of this Project, including staging, shall occur outside of the right-of-way, unless it is on a paved surface.
- f. Staging areas must be within existing asphalt paving or previously graded areas.
- g. Bridgework shall be limited to repaving activities only.
- h. Any special conditions shall be documented in the general notes.

In the event of any conflict between this section and any other sections, plans, and or specifications of the Project, this section shall prevail.

ENDANGERED SPECIES ACT SECTION 7 NOTES

1. All work lights shall be shielded so the bulb can only be seen from below bulb height and only used when construction is occurring in the area illuminated by the light.
2. On all islands, except Oahu, nighttime construction shall not occur during the seabird fledgign period, September 15 through December 15.
3. Above-ground utilites shall not be moved or realigned.
4. Highway lighting shall not be installed or replaced.
5. Woody plants greater than 15 feet tall shall not be disturbed, removed, or trimmed during the Hawaiian hoary bat birthing and pup rearing season, June 1 through September 15.

MAGNUSON - STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT SECTION 305(B) NOTES

- A. Waste Management.
Concrete wastes, solid wastes, and any sanitary/septic wastes shall be located away from and managed to assure no contamination to the critical habitats.
- B. Vehicle and Equipment Management.
All vehicle and equipment cleaning, maintenance, and refueling shall be located away from and managed to assure no contamination to the critical habitats.

- C. Storm Water Management and Erosion Control.
The Contractor will be required to obtain an NPDES permit for storm water discharge from a construction site and will be required to follow standard BMPs to control storm water discharge. The BMPs may include silt barriers and fabric bags at catch basins.
- D. Other construction BMPs.
The use of barriers and regular wetting down of problem areas will minimize the potential air quality impacts, during construction, within the project area. Management of hazardous materials, if encountered, shall be coordinated with applicable State and private agencies.
- E. The HDOT Standard Specifications for Road and Bridge Construction Section 209 Temporary Water Pollution, Dust, and Erosion Control, as amended, shall be followed.

DIVISION OF FORESTRY AND WILDLIFE NOTES

1. The following Best Management Practices (BMPs) shall be implemented to avoid and minimize potential adverse effects to Essential Fish Habitat (EFH) during the project:
- A. The State endangered White Tern (*Gygis alba*) or Manu o Ku has been recorded nesting around the proposed project site. The Contractor shall obtain a qualified biologist to survey for the presence of White Terns prior to any action that could disturb the trees. White Tern pairs lay their single egg in a branch fork with no nest. The eggs and chicks can be easily dislodged by construction equipment that nudges the trees. If a nest is discovered, please notify DOFAW staff at (808) 587-0166 for assistance.
- B. The State listed Hawaiian Hoary Bat or 'Ope'ape'a (*Lasiurus cinereus semotus*) has the potential to occur in the vicinity of the project area and may roost in nearby trees. If any site clearing is required this should be timed to avoid disturbance during the bat birthing and pup rearing season (June 1 through September 15). If this cannot be avoided, woody plants greater than 15 feet (4.6 meters) tall should not be disturbed, removed, or trimmed without consulting DOFAW.
- C. For nighttime lighting that might be required, all lights shall be fully shielded to minimize impacts. Nighttime work that requires outdoor lighting should be avoided during the seabird fledging season from September 15 through December 15. This is the period when young seabirds take their maiden voyage to the open sea. For illustrations and guidance related to seabird-friendly light styles that also protect the dark, starry skies of Hawai'i, please visit: <https://dlnr.hawaii.gov/wildlife/files/2016/03/DOC439.pdf>.
- D. The Contractor shall minimize the movement of plant or soil material between worksites, such as in fill. Soil and plant material may contain invasive fungal pathogens, vertebrate and invertebrate pests (e.g. Little Fire Ants, Coconut Rhinoceros Beetles), or invasive plant parts that could harm our native species and ecosystems. Consult the O'ahu Invasive Species Committee at (808) 266-7994 to learn of any high-risk invasive species in the area and ways to mitigate spread. All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species.

	Resurfacing Exception
	Reconstruction Areas
	Existing Concrete
	Resurfacing Limits
	Existing Electrical Line
	Existing Joint Pole
	Existing Power Pole
	Existing Hawaiian Electric Manhole
	Adjusted Hawaiian Electric Manhole
	Existing Hawaiian Electric Hand Hole
	Existing Hawaiian Electric Pullbox
	Existing Underground Telephone Line
	Existing Overhead Telephone Line
	Existing Telephone Pole
	Existing Telephone Manhole
	Existing Telephone Hand Hole
	Existing Hawaiian Telcom Manhole
	Adjusted Hawaiian Telcom Manhole
	Existing Hawaiian Telcom Pullbox
	Existing Signal Corps Line
	Existing TV Cable
	Existing 30" Water Line
	Existing 24" Water Line
	Existing 12" Water Line
	Existing 8" Water Line
	Existing 6" Water Line
	Existing 4" Water Line
	Existing 2 1/2" Water Line
	Existing 2" Water Line
	Existing 1 1/2" Water Line
	Existing 1" Water Line
	Existing Water Manhole
	Adjusted Water MH Frame/Cover
	Existing Water Air Valve
	Adjusted Water Air Valve
	Existing Water Valve Box
	Adjusted Water Valve Box
	Existing Water Meter
	Existing Fire Hydrant

LEGEND

	Existing Air Relief Valve
	Existing 42" Reinforced Concrete Pipe
	Existing 30" Reinforced Concrete Pipe
	Existing IDPP Monitoring Well
	Existing 30" Sewer Line
	Existing 18" Sewer Line
	Existing 12" Sewer Line
	Existing 10" Sewer Line
	Existing 8" Sewer Line
	Existing Sewer Manhole
	Adjusted Sewer MH Frame/Cover
	Existing 6" Gas Line
	Existing 4" Gas Line
	Existing 2" Gas Line
	Existing 1" Gas Line
	Existing 3/4" Gas Line
	Existing Gas Valve Box
	Existing Gas Manhole
	Existing Monument
	Adjusted Monument
	Existing 24" Drain Line
	Existing Storm Drain Manhole
	Adjusted Storm Drain MH Frame/Cover
	Existing Grated Drop Inlet
	Existing Catch Basin
	Existing Highway Lighting Standard
	Existing Highway Lighting Standard Pullbox
	Existing Traffic Signal Pole
	Existing Traffic Signal Pullbox
	Adjusted Utility MH Frame/Cover
	Replace Accusense Mag In-Pavement Sensor

Approved :

MANAGER & CHIEF ENGINEER, BWS, Date
(For work affecting BWS Facilities in
City/State R/W and BWS easements only)

DEC 10 2020

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES AND LEGEND NIMITZ HIGHWAY & ALA MOANA BOULEVARD RESURFACING SAND ISLAND ACCESS ROAD TO VICINITY OF PIIKOI STREET FEDERAL-AID PROJECT NO. NH-092-1(030) Date: November, 2020 SHEET No. 2 OF 2 SHEETS
