

GENERAL NOTES (CONT):

37. Bridge deck pavements shall be removed down to the top of bridge deck and a waterproof membrane shall be applied per Sheet 22 prior to being overlaid with new asphalt. Do not damage bridge deck.
38. Demolition of existing guardrail shown on the plans shall include all guardrail posts and any double nested sections or rubrail sections. All shall be considered incidental to Item No. 202.1000 Removal of Guardrail and End Treatments.
39. At the end of each work day, AC shall be brought up to 2" below FG. The final 2" lift of PMA shall occur once a large enough area is available to pave for an entire work day. This is to limit the number of AC joints on the finished surface.
40. Woody plants greater than 15 feet tall shall not be disturbed, removed, or trimmed during the bat birthing and pup rearing season from June 1 to September 15.
41. Night time work should be avoided during the Hawaiian seabird fledgling period from September 15 through December 15. However, if night time work does occur, lights shall be shielded and directed towards the ground.
42. The Contractor shall be responsible for all Highway Monuments and State Survey Disks in the project area. If any of the Highway Monuments or Survey Disks are disturbed or removed, the Contractor will be responsible to reset the monuments at no cost to the State Highways Division. The Contractor shall hire a State of Hawaii Licensed Professional Land Surveyor to reset the monuments at the cost of the Contractor.
43. Contractor to comply with the terms and conditions in the approved Community Noise Permit and Noise Variance.
44. The Contractor shall coordinate with a digital leveling project entitled "Height Modernization Facilities, Digital Leveling, Oahu, Unit 2, Project No. HWY-0-09-14, Unit 2", in case any USGS monuments are disturbed and to allow the digital leveling consultant access to the work area if needed.
45. Contractor shall coordinate with the City and County, Department of Design and Construction, Wastewater Division project entitled "Dowsett Highlands Relief Sewer" between Nuuanu Avenue and Waokanaka Street. Pali Highway Resurfacing work shall remain within the area designated as "Phase 1" and delineated on Sheet 45, until "Dowsett Highlands Relief Sewer" work is complete and fully demobilized from the project area.
46. The Contractor shall notify Oahu Transit Services, Inc. (OTS-The Bus Contractor) (848-4578), two (2) weeks prior to construction. Informing them of location, scope of work, proposed closure of any street or traffic lanes and the need to relocate or close any bus stops.
47. Guardrail and sign post probing work is incidental to the various guardrail and sign Pay Items.
48. A Traffic Control Plan shall be required prior to starting work in each area. The Contractor shall submit a Traffic Control Plan stamped by a Registered Civil Engineer from the State of Hawaii to the Engineer for approval. Once gaining the Engineer's approval, the Contractor shall obtain a Permit for Street Usage from the City and County of Honolulu. No work shall begin in the area prior to the Contractor obtaining the Permit for Street Usage.
49. For bidding purposes, it shall be assumed that the existing lighting conduit to be removed, as shown on the Roadway Plans, and the existing traffic signal conduit to be removed, as shown on the Electrical Plans, is not concrete encased. If concrete encasement is found, that portion shall be paid under Item 202.5100 Removal of Concrete Encased Conduits. Removal of traffic signal conduit that is not concrete encased shall be paid under Item 623.1000 Traffic Signal System.
50. All bus pads and driveways shall attain a flexural strength of 450 psi within 12 hours as specified in Special Provision Section 601.
51. The Contractor shall coordinate with home/business owners when reconstructing driveways. Alternate parking/access shall be provided as necessary.

GENERAL NOTES (CONT):

52. Provide planting soil and hydro-mulch seeding between Nuuanu Avenue and Waokanaka Street for all areas between the sidewalk and curb and within the median, except for the area between the frontage road and the Pali Highway near Waokanaka Street. Remove and dispose of old soil and plants. Provide planting soil (4" min.) per Section 617 Planting Soil. Planting soil shall be placed so that after settlement, the top will be 1" below the top of curb or sidewalk. Hydro-mulch per Section 641 Hydro-Mulch Seeding.
53. Remove any old asphalt on catch basin gutters. This work shall be incidental to 415.0100.
54. Forms shall be used for the concrete bus pads. Adjacent A.C. shall not be used as a form. After the form is removed, backfill with CLSM, instead of aggregate base course, up to the bottom of the proposed new asphalt. Fill the remainder with HMA Mix No. IV. This work shall be included in the contract price for the concrete bus pad. See Special Provision 645 for working hours for constructing bus pads.

GRADING NOTES:

1. All grading work shall conform to Chapter 14 of the City and County of Honolulu, Department of Public Works, "Soil Erosion Standards and Guidelines," Supplement 1, Revised November 1996. A grading permit will not be required. Per letter of agreement with the City and County of Honolulu, this project falls under the typical project not requiring a grading permit (Road Rehabilitation/Landscape Improvement).
2. The Contractor shall remove all silt and debris deposited in drainage facilities, roadways and other areas resulting from his work. The costs incurred for any necessary remedial action by the State shall be payable by the Contractor.
3. The Contractor, at his own expense, shall keep the project and surrounding areas free from dust nuisances. The work shall be in conformance with the Air Pollution Control rules of the State Department of Health, HAR 11-60.1, Fujitive Dust.
4. All grading operations shall be performed in conformance with the applicable provisions of the Hawaii Administrative Rules, Title 11, Chapter 55, Water Pollution Control and Chapter 54, Water Quality Standards.
5. The Contractor shall sod or plant all slopes and exposed areas immediately after the grading work has been completed. Sodding or planting shall not be paid for separately, with the exception of what is described in General Note 52, and shall be considered incidental to the various contract items.
6. Fill on slopes steeper than 5:1 shall be keyed.
7. The Contractor shall inform the State of the location of the disposal and/or borrow site(s) required for this project. The disposal and/or borrow site(s) must also fulfill the requirements of the grading ordinance.
8. No grading work shall be done on Saturdays, Sundays and holidays at any time without prior approval from the State.
9. The Contractor shall remove all vegetation before placing fills on natural ground surface.
10. Estimated earthwork quantities do not include allowances for shrinkage, compaction, and other losses.
11. The Contractor is responsible for verifying all earthwork quantities and field conditions.

ABBREVIATIONS

A.C.	Asphalt Concrete
A.C.B.	Asphalt Concrete Base
Ah.	Ahead
BC	Bottom of Curb
bk.	Back
BL	Baseline
C/G	Curb and Gutter
CB	Catch Basin
Conc.	Concrete
CRM	Concrete Rubble Masonry
DI	Drain Inlet
DWY	Driveway
EHP	Elevation Hold Point
Elec	Electrical
EP	Edge of Pavement
ES	Edge of Shoulder
exist., ex.	Existing
HL	Highway Lighting
HDPE	High Density Polyethylene
HMA	Hot Mix Asphalt
Hwy.	Highway
I.B.	Inbound
LF	Linear Feet
LN.L.	Lane Line
Max.	Maximum
M.E.	Match Existing
Min.	Minimum
M.L.	Match Line
O.B.	Outbound
O.C.	On Center
o/h	Overhead
O/S	Offset
PC	Point of Curvature
P.C.C.	Portland Cement Concrete
PT	Point of Tangency
Pav't.	Pavement
R	Radius
RCP	Reinforced Concrete Pipe
RM	Reflective Marker
RPM	Raised pavement Marker
S.E.	Superelevation
SF	Square Feet
SMH	Sewer Man Hole
Sta.	Station
TC	Top of Curb
Temp	Temporary
TS	Tangent to Spiral Point
Typ.	Typical
u.d.	Under drain
VC	Vertical Curve
WM	Water Meter
WMH	Water Man Hole

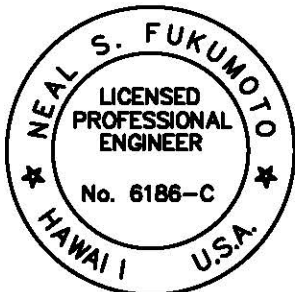
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-061-1(036)	2020	ADD. 4	238

LEGEND:

	Full Depth Pavement Reconstruction
	Demolish P.C.C. and Construct Full Depth Pavement Section
	Paving Limits
	Dowsett Sewer Trench
	Demolish and Construct Concrete Sidewalk.
	Existing Wall/Rock Slope
	Existing Concrete
	Existing Drain Inlet
	Existing Catch Basin
	Existing Highway Lighting
	Existing Guardrail
	New Guardrail
	Existing Concrete Median Barrier
	Existing Right of Way (r/w)
	Existing Waterline and Size
	Existing Drainline and Size
	Existing Electrical Overhead
	Existing Gas Line
	Existing Electrical Ducts
	Existing Spot Elevation
	New Spot Elevation
	Adjust Manhole Frame and Cover Elevations to Finish Grade as Necessary (Includes SDMH and Elec)

8/24/20 Revised Legend

DATE	DESCRIPTION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES AND LEGEND PALI HIGHWAY RESURFACING Vineyard Boulevard to Waokanaka Street Federal-Aid Project No. NH-061-1(036) Scale: NTS Date: April 2020 SHEET No. 02 OF 02 SHEETS	



This work was prepared by me or under my supervision.
Exp. 04-30-22

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