

GENERAL NOTES

1. The scope of work for Project No. NH-063-1(19) consists of resurfacing the existing pavement; upgrading bridge endposts and railings; cold planing; adjusting manholes, pullboxes, centerline and reference survey monuments; relocating highway lighting standards; removing and installing guardrails; constructing drainage improvements; and installing loop detectors, concrete bus pads, sidewalks, GREAT Systems, wheelchair ramps, signs, and pavement markings.
2. The scope of work for Project No. STP-063-1(20) consists of resurfacing the existing pavement; upgrading bridge endposts and railings; cold planing; adjusting manholes, pullboxes, centerline and reference survey monuments; removing and installing guardrails; installing loop detectors, GREAT Systems, signs, and pavement markings; and constructing wheelchair ramps, curbs, and sidewalk.
3. The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility for Utility Property and Service; and Section 645 - Traffic Control of the Special Provisions.
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 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 State in writing, two (2) weeks prior to starting paving operations.
7. The Contractor shall, in addition to normal surface preparation, remove and dispose of all existing raised pavement markers and temporary tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
8. Smooth riding connections shall be constructed at all limits of resurfacing 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. This work shall be considered incidental to the various contract items and will not be paid for separately.
9. Dressing of shoulders, median and sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders and median with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items, and will not be paid for separately.
10. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items, and will not be paid for separately.

11. The Contractor shall provide safe access to and from all existing driveways and streets at all times.
12. All existing joints and all cracks 1/8" or greater in P.C.C. Pavement shall be cleaned and sealed with an A.C. crack sealer as specified in Section 647 - Joint and Crack Filling. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV, and will not be paid for separately.
13. The Contractor shall notify the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. #848-4571) seven (7) days prior to any paving operations.
14. 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 the various contract items, and will not be paid for separately.
15. Base Course Shall be either Plant Mix Asphalt Concrete Base Course, Recycled Plant Mix Asphalt Concrete Base Course or Plant Mix Glassphalt Concrete Base Course. Selection will be based on the least expensive base course alternative.
16. The Contractor shall obtain a Community Noise permit from the State Department of Health, Noise and Radiation Branch, 591 Ala Moana Blvd., Room 136, Honolulu, HI 96813-2498; Telephone No. 586-4700. This shall be considered incidental to the various contract items.
17. All holes, depressions, and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V, leveling course, prior to resurfacing. The exact locations and limits or areas to be filled with leveling course shall be determined in the field by the Engineer. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
18. Where called for on the plans, the Contractor shall remove and dispose of existing concrete curbs. This work shall be considered incidental to Item No. 609.2020 - Curb, Type 2D.
19. After completion of resurfacing, the Contractor and Engineer will test for, and determine ponding areas. (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas to the satisfaction of the Engineer, at no additional cost to the State.
20. The Contractor's attention is directed to Subsection 4.3.3 - Accessible Route: Width, of the Americans with Disabilities Act Accessibility Guidelines.
21. Smooth connections shall be constructed to existing driveways, concrete sidewalks, catch basins and wheelchair ramps as shown on the plans and/or as directed by the Engineer.
22. The Contractor shall provide safe access for pedestrians at all times during construction.

G.R.E.A.T. SYSTEM NOTES

1. All work associated with the GREAT System shall be as directed and approved by the Engineer.
2. The required extension panels for the GREAT System and the thrie beam transition panels shall be considered incidental to their respective items.
3. Removal and disposal of the existing inertial barrier systems at Kalihi Stream Bridge, Likeliike Hwy. @ Sta. 26+30± and @ Sta. 29+80± (Median) shall be considered incidental to Item No. 693.1400 - Guardrail Energy Absorbing Terminal Impact Attenuator (4 Bays).

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)/STP-063-1(20)	1995	ADD. 3	78

COLD PLANING NOTES

1. All saw cutting work shall be considered incidental to Cold Planing and will not be paid for separately.
2. The exact locations and limits or areas to be cold planed shall be determined in the field by the Engineer.
3. Exposure of existing aggregate base is possible when cold planing deeper than 4 1/2 inches. The Contractor shall pave over exposed existing aggregate base with the new Base Course at the end of each day. Contractor shall compact the existing aggregate base in accordance with Section 304 - Aggregate Base Course and apply Prime Coat in accordance with Section 408 - Prime Coat, prior to laying the New Base Course unless otherwise noted. This work shall be considered incidental to the new Base Course, and will not be paid for separately.
4. The vertical pavement drop-off shall not exceed 3-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 48:1 minimum transition taper for transverse drop-off and no steeper than 6:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to Cold Planing.
5. The Contractor shall lower manholes prior to Cold Planing, backfill with hot mix and re-adjust after final paving. Covering of lowered manholes shall be considered incidental to Manhole Adjustments.
6. Prior to cold planing over an existing structure, the Contractor shall determine the actual depth of the existing asphalt concrete pavement. The Contractor shall take several cross section measurements throughout the structure. If the thickness of the existing pavement is less than the proposed resurfacing thickness, the Contractor shall remove the existing pavement to the level of the structure and resurface to the original thickness. This work shall be considered incidental to cold planing, and will not be paid for separately.
7. In cold planing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, especially the slab, joints, drain pipes or reinforcement. Any damage to the structure during the cold planing operations shall be repaired by the Contractor at his own expense. Repair work shall be as directed by the Engineer. The Contractor shall verify the existing pavement thickness by hand digging at various locations. This work shall be considered incidental to cold planing, and will not be paid for separately.
8. Cold Planing equipment shall not be permitted in removing existing Asphalt Concrete Pavement over the gutter. This work shall be considered incidental to Cold Planing.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	6/21/95
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

6/21/95	Revise G.N. Nos. 1 # 9, C.P.N. Nos. 3 # 4, and Add G.N. Nos. 20, 21, # 22
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES
LIKELIKE HIGHWAY RESURFACING
F.A. Project No. NH-063-1(19)
KALIHI STREET RESURFACING
F.A. Project No. STP-063-1(20)
Date: May, 1995
SHEET No. 1 OF 1 SHEETS