

GENERAL NOTES

1. The scope of work for this project includes cold planing; resurfacing; reconstruction of weakened pavement areas; pavement marking and striping; guardrail improvements; adjusting utility manholes and boxes; drainage improvements; and installation of milled rumble strips.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontract Requirements, which requires him 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.
3. The Contractor's attention is directed to the following Sections: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; and 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, Lowell Tom (848-4578) or Ed Sniffen (848-4571), two (2) weeks prior to construction, informing them of location, scope of work, and closure of Name of Highway and/or traffic lanes and dates of closure. (For Oahu projects only. For other islands, check with your local bus company.)
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 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 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. Contractor to restore all landscaped areas damaged according to Section 641, Hydro-Mulch Seeding. Grass restoration shall be considered incidental to Various Contract Items.
11. Earth swale shall be graded to drain. This work shall be considered incidental to Various Contract Items.
12. 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 Asphalt Concrete and will not be paid for separately.

13. 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 Bulk of Work or the Various Contract Items and will not be paid for separately.
14. 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.
15. All saw cutting work shall be considered incidental to Roadway Excavation or Asphalt Concrete or Various Contract Items or their respective bid items.
16. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
17. The top of the Asphalt Concrete Base Course prior to placement of the new A.C. 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."
18. After completion of resurfacing, the Contractor and the 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. Corrective measures shall be approved by the Engineer.
19. The Contractor shall be advised of the following neighboring projects during this project's duration:

Kamehameha Highway, Kaipapau Stream Bridge Replacement

Kamehameha Highway, Kamananui Rd and Wilikina Rehabilitation, Vicinity of Weed Circle to Route H-2

The Engineer will inform the Contractor when more information is known about the neighboring projects. The Contractor shall adjust trucking routes and loads accordingly. This cost shall be considered incidental to Various Contract Items.

The Contractor shall be advised of legal size and weight limits for vehicles and equipment in HRS 291-34 and HRS 291-35. In compliance with the law, the operation or transport of any equipment or truck which exceeds these limits shall apply for an Oversized and/or Overweight Vehicle permit through the Department of Transportation in accordance with HRS 291-36.
20. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to Sidewalk or the Various Contract Items and will not be paid for separately.
21. The Contractor shall provide and maintain a temporary pedestrian-safe and easily accessible route or detour with barricades in or near the work zone. This temporary route or detour shall be paved at least an inch of Asphalt Concrete Pavement, Mix No. IV 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 Curb Ramps, or Sidewalk, or the Various Contract Items and will not be paid for separately.
22. 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 Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.

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23. 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. If use of location is approved by the engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the Oahu District Office at Telephone No. 831-6712.
  24. Probing for guardrail utilities shall be considered incidental to Guardrail Items and will not be paid for separately.
  25. Removal of existing guardrail sections and end treatments shall be considered incidental to Various Guardrail Items and will not be paid for separately.
  26. Drilling of holes shall be considered incidental to Various Guardrail Items and will not be paid for separately.
  27. Temporary paving for recon areas to restore to original grades shall be removed during final cold planing and will not be paid for. Any temporary paving for recon areas not incorporated into the roadway pavement will not be paid for. This work shall be considered incidental to Cold Planing.
  28. Any unfinished shoulder widening, metal railings, guardrails, and median drainage work shall not be left unshielded at the end of the work day. If such work is not completed within the work day, that section shall be shielded by NCHRP TL-2 rated portable physical barriers. The physical barriers shall be protected by end treatments in compliance with NCHRP TL-2 and the manufacturer's recommendations/requirements and State Standard Plan TE-43. At the end of the work day, all travel lanes shall be open. The contractor shall develop a Traffic Control Plan to include these portable physical barriers and all necessary Traffic Control Devices and shall be approved by the Engineer. All work mentioned above including furnishing, installing, and maintaining physical barriers shall be considered incidental to Contract Item No. 645.1000 - Traffic Control and shall not be paid for separately.
  29. The exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by Engineer.
  30. All lanes shall be open to traffic during the hours from 6:30 P.M. to 8:00 A.M. No lane closures shall be allowed during the period of November 15th to January 1st for North Shore related surfing events. Individual lane closure length shall not exceed 1,000 L.F., excluding lane closure tapers at both approaches. Consecutive lane closures shall be separated by a minimum distance of 1-mile. Refer to Section 645 of the Special Provisions for additional details regarding lane closure hours, no lane closures, and allowable closure length.
- Night time working hours are specified in Section 107 of the Special Provisions. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in the assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.
- The Contractor shall close only one lane at a time, not exceeding more than 1000 feet including tapers. There shall be no more than 3 concurrent lane closures between the project limits spaced a minimum of 1 mile apart.

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY <u>X</u> _____
NOTE BOOK	TRACED BY _____
<u>kkmkgm901</u>	DESIGNED BY <u>X</u> _____
	QUANTITIES BY _____
	CHECKED BY _____

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

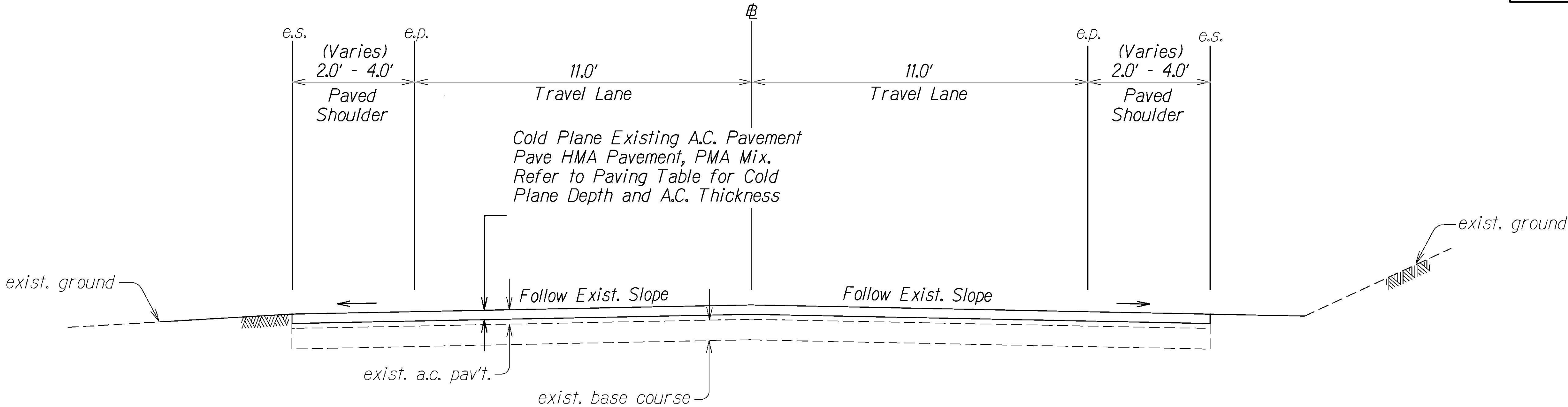
KAMEHAMEHA HIGHWAY REHABILITATION  
Vicinity of Kapuhi Street to Dairy Road  
Federal Aid Project No. NH-083-K(77)

Date: June, 2020

SHEET No. 1 OF 3 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(77)	2021	9	87

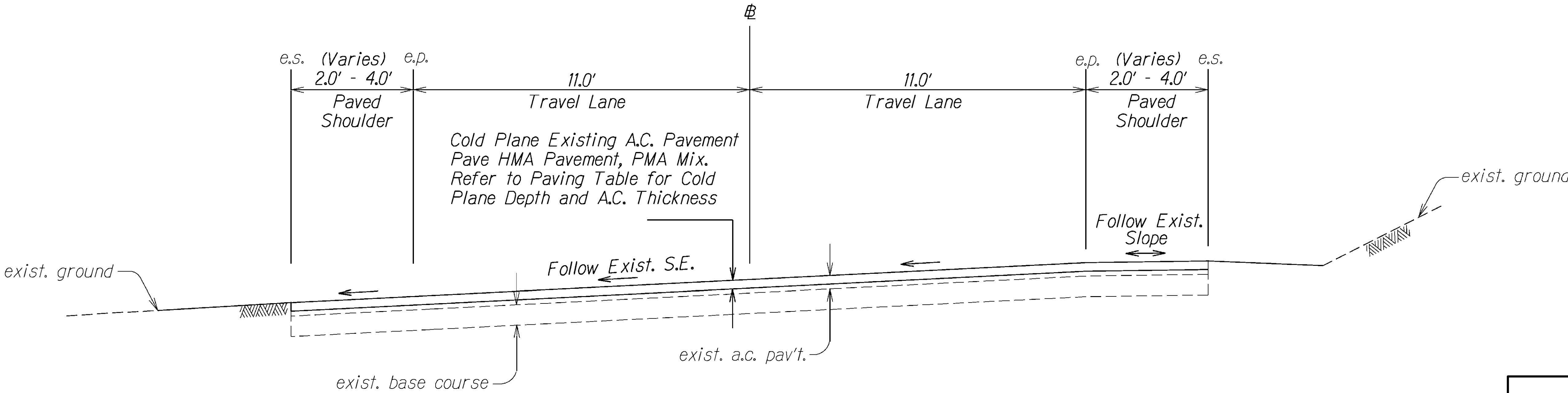


TYPICAL TANGENT SECTION  
Not to Scale

PAVING TABLE

Cold Plane Depth	4.5"
Paving Thickness	2"
Paving Grid	GlasGrid 851ITF
Paving Thickness	2.5"

\*Paved using PMA Pavement



TYPICAL SECTION ON SUPERELEVATION  
Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

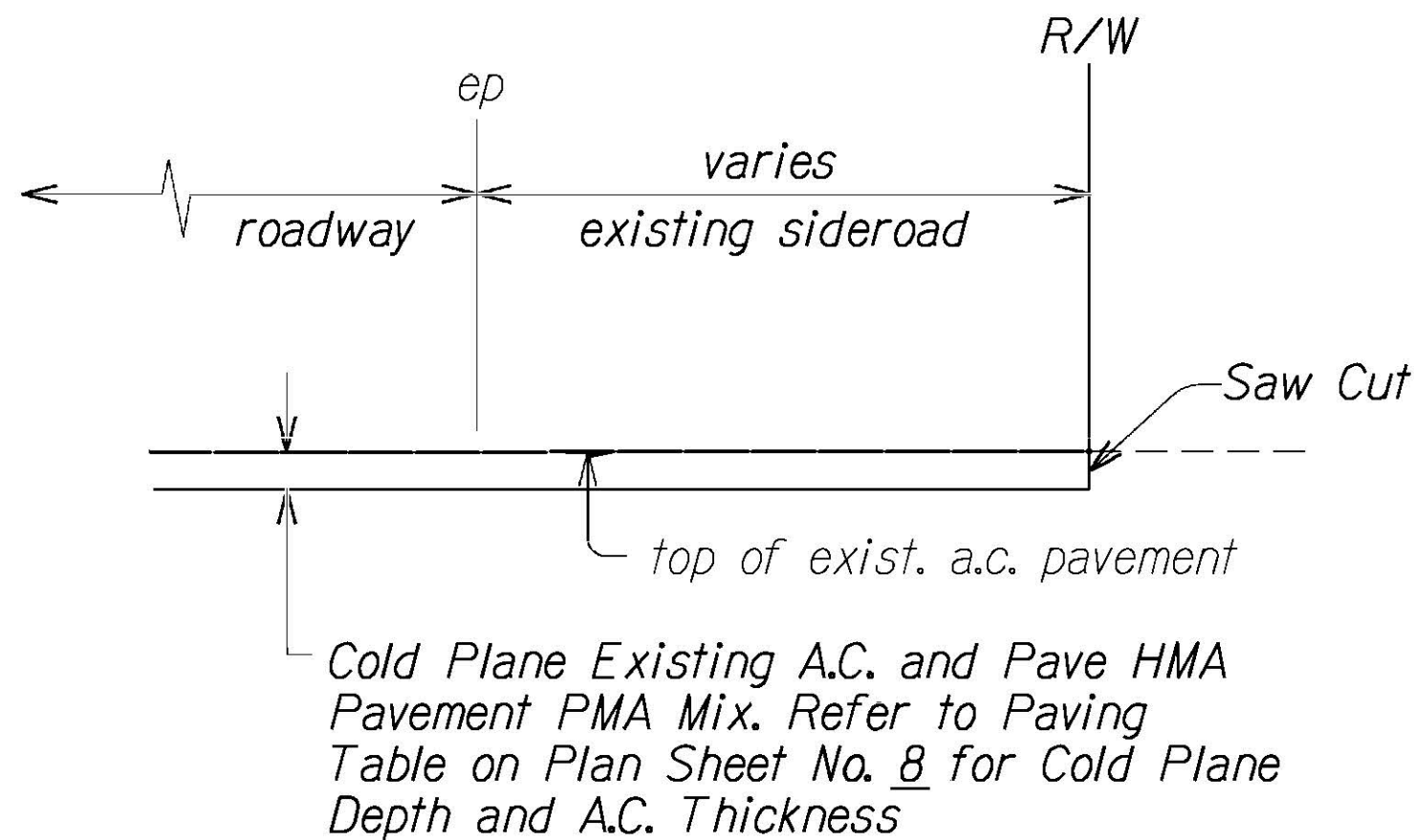
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

TYPICAL SECTIONS  
KAMEHAMEHA HIGHWAY REHABILITATION  
Vicinity of Kapuhi Street to Dairy Road  
Federal Aid Project No. NH-083-1(77)

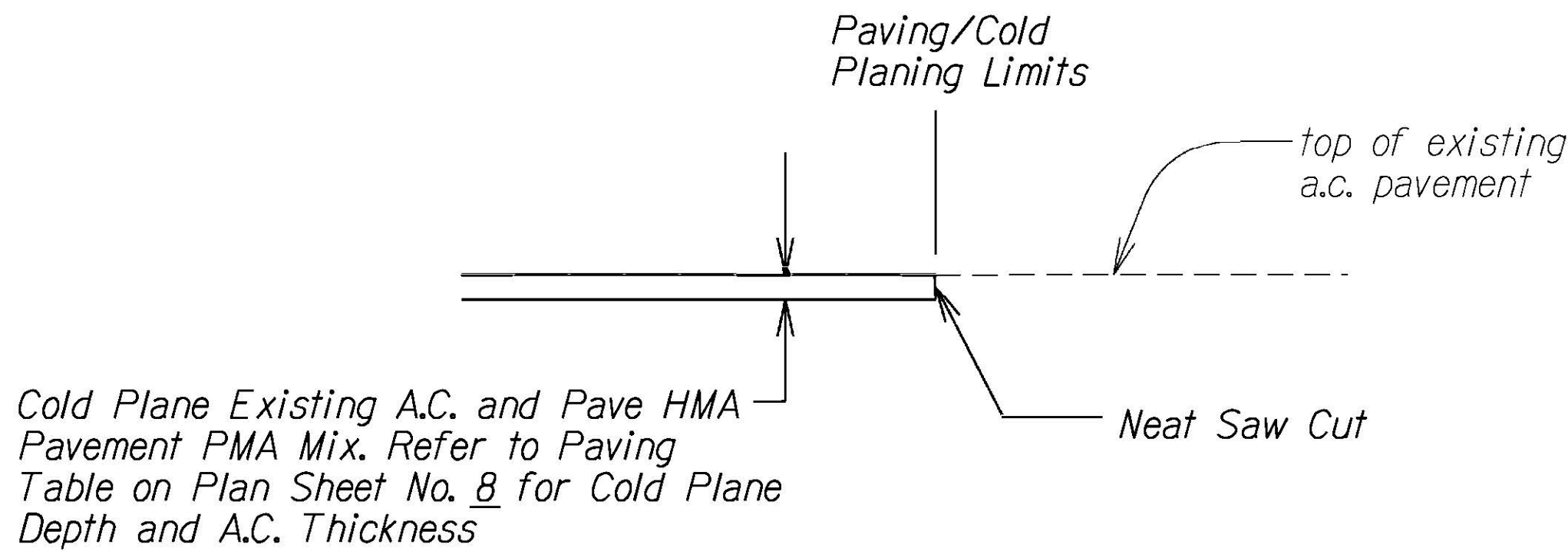
Scale: NTS  
Date: June 2020

SHEET No. 1 OF 3 SHEETS

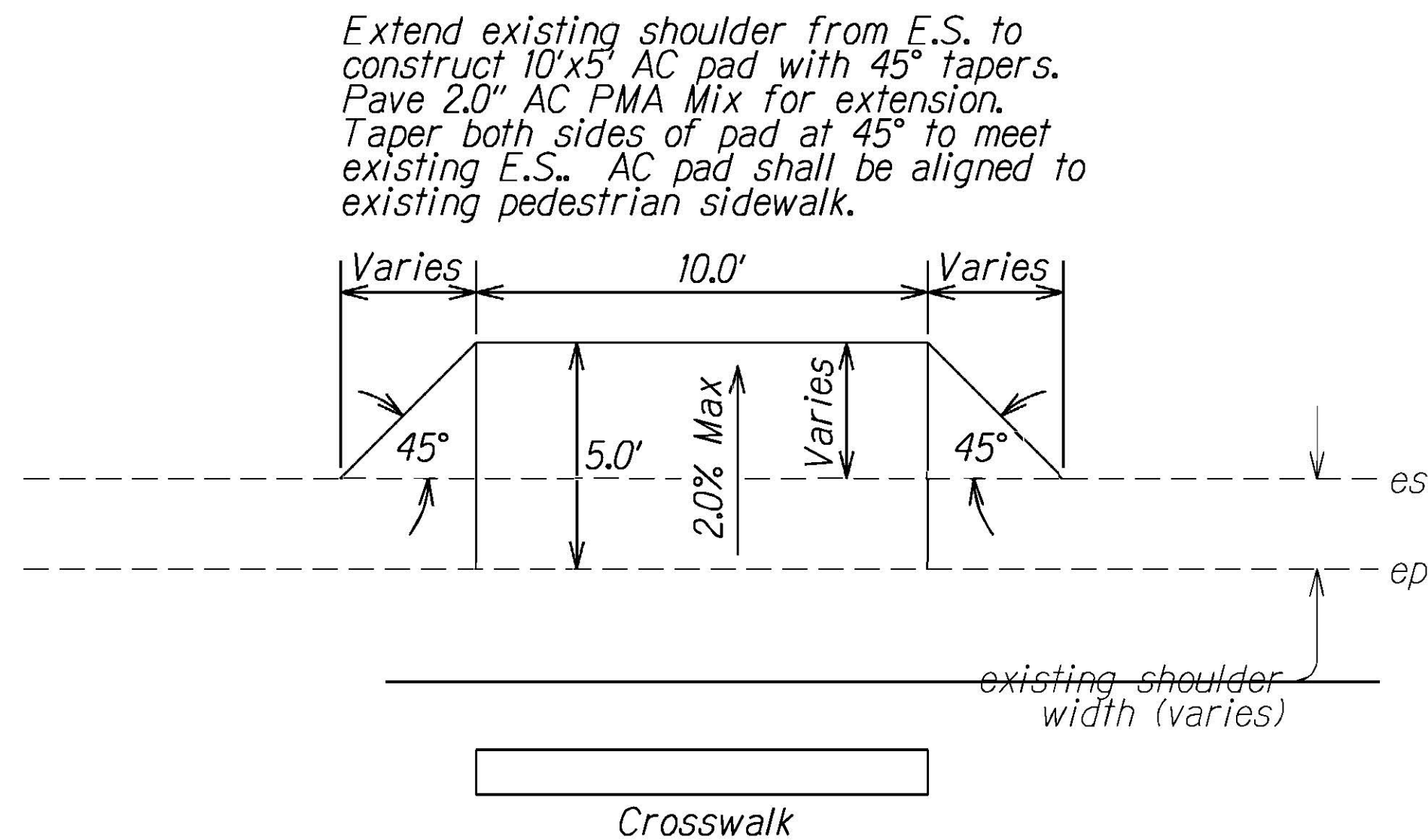
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HAWAII	HAW.	NH-083-I(77)	2021	11	87



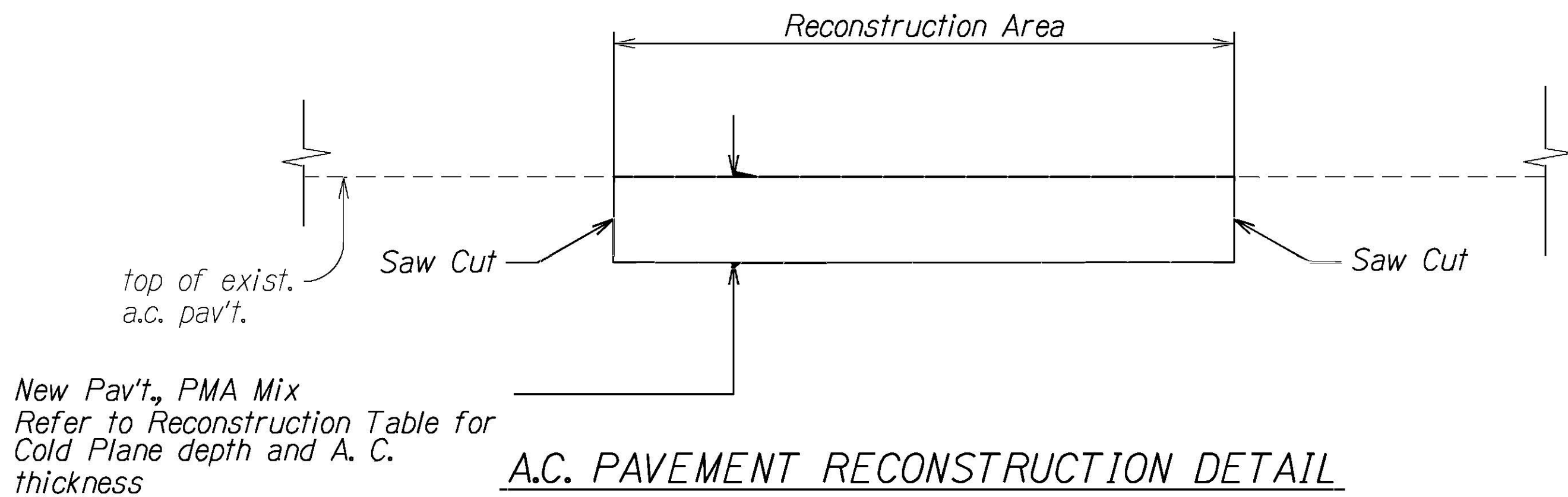
DETAIL OF PAVING AT PAVED SIDEROADS  
Scale: N.T.S.



SMOOTH RIDING CONNECTION DETAIL AT PAVING/COLD PLANING LIMITS. (COLD PLANE AREAS)  
Scale: N.T.S.



WHEEL CHAIR TURNING PAD DETAIL  
Scale: N.T.S.



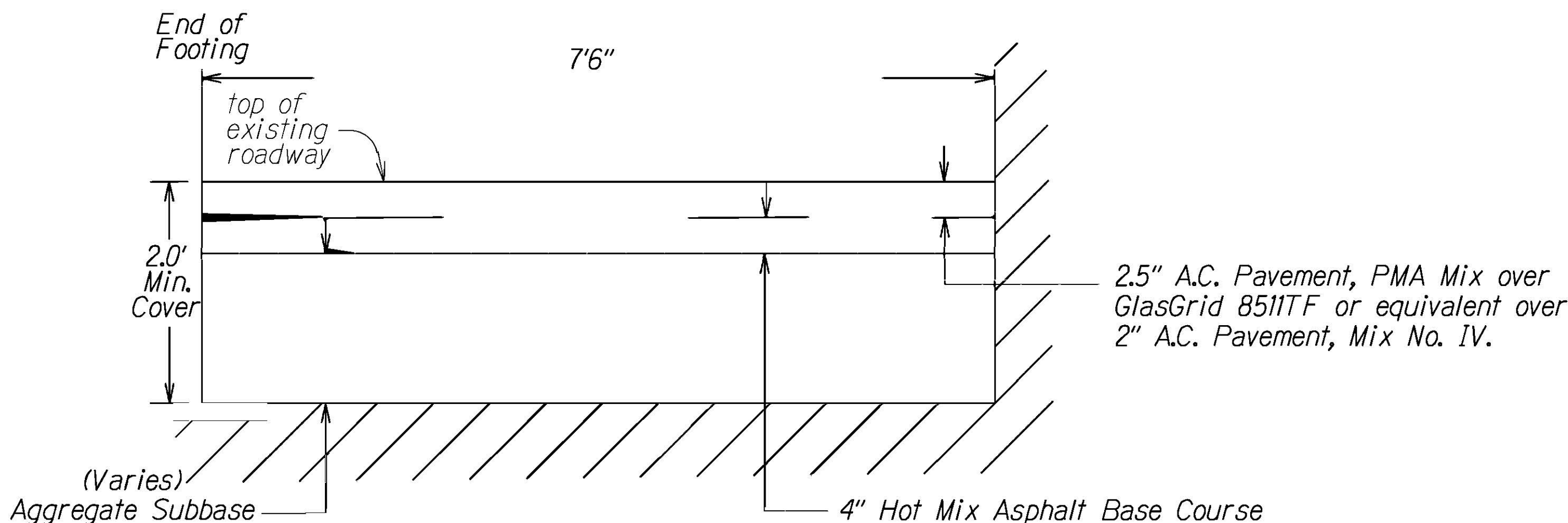
A.C. PAVEMENT RECONSTRUCTION DETAIL  
Scale: N.T.S.

SMOOTH RIDING CONNECTION DETAIL AT PAVING/COLD PLANING LIMITS. (RECONSTRUCTION AREAS)  
Scale: N.T.S.

Reconstruction Table

Cold Plane Depth	6.5"
Paving Thickness	2"
Paving Grid	Glas Grid 8511TF
Paving Thickness	2"
Paving Grid	Glas Grid 8511TF
Paving Thickness	2.5"

\*Paved using PMA Pavement



DETAIL OF PAVEMENT SECTION ABOVE CONCRETE FOOTING FOR CULVERT AT @ STA. 337+98.50  
Scale: N.T.S.

- Notes:
1. Refer to Bridge Plan Sheets Q4 - Q6 for Culvert and Footing Details.
  2. Pavement Section Length is 36 L.F. as Shown on Plan Sheet Q4 (Total Length of Concrete Footing).

SURVEY PLATTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
DATE	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DETAILS**

KAMEHAMEHA HIGHWAY REHABILITATION  
Vicinity of Kapuhi Street to Dairy Road  
Federal Aid Project No. NH-083-I(77)

Scale: NTS Date: June 2020

SHEET No. 3 OF 3 SHEETS