

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-083-1(66)	2019	ADD.3	36

1. The scope of work for this project includes cold planing, paving, high friction surface treatment, milled centerline rumble strips, pavement marking & striping, & signage.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts 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 of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; 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 exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by Engineer.
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
8. The Contractor shall notify, the Oahu Transit servies, Lowell Tom (848-4578), 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.)
9. Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with HMA Pavement Mix No. IV as shown on the plans and/or as directed by Engineer.
10. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to any culvert work or the various contract items and will not be paid for separately.

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. Tack coat shall be considered incidental to paving.
18. Any work specified in the contract but not listed seperately in the proposal schedule shall be considered incidental to other Various Contract Items and will not be paid for separately.
19. The vertical riding surface drop-off between adjacent surfaces shall not exceed a maximum of 3-inches. This shall include differences in height between adjacent pavement surfaces, bridge decks and new concrete slabs. If a vertical riding surface drop-off exists, the Contractor shall provide temporary transition tapers with maximum slopes of 48:1 for travel in the longitudinal direction and 6:1 in the transverse direction. This work shall be considered incidental to Various Contract Items.
20. The Contractor shall close only one lane at a time, not exceeding more than 1000 L.F. including tapers. There shall be no more than 3 concurrent lane closures between the project limits spaced a minimum of 1 mile apart.
21. 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 curb ramps, or sidewalk, or the various contract items and will not be paid for separately.
22. 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 V 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.

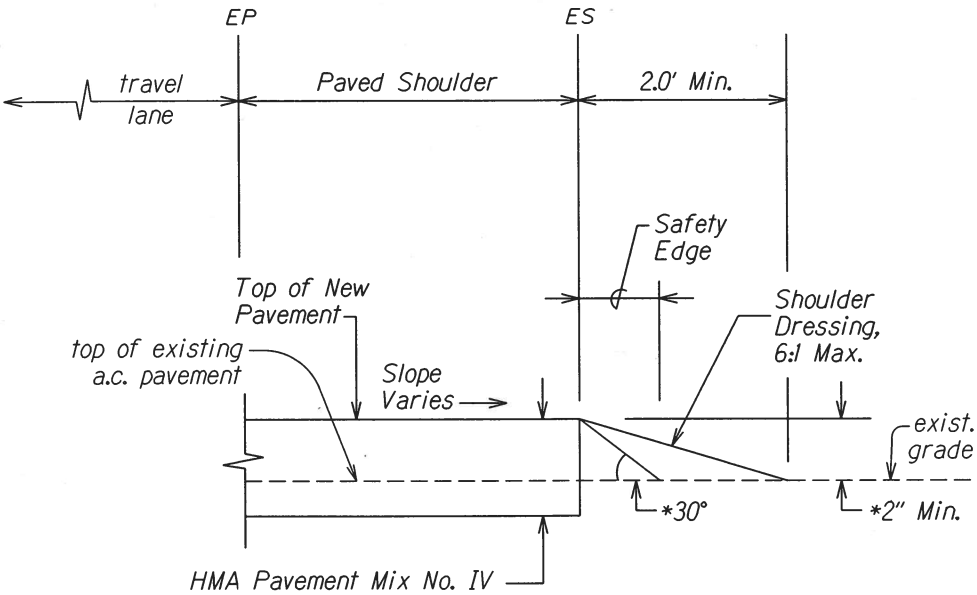
23. Provide smooth transition where new sidewalk construction meets the existing grade or sidewalk. Transition shall not be steeper than 2% cross and longitudinal slopes and not less 6.0 feet long or as specified on the plans. This work shall be considered incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for separately.
24. 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.
25. 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.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
QUANTITIES BY	CHECKED BY	
N. 10/25/18		

10/25/18	Removed Note No. 7. Revised Note No. 9, New Note No. 8. Renumbered Notes.
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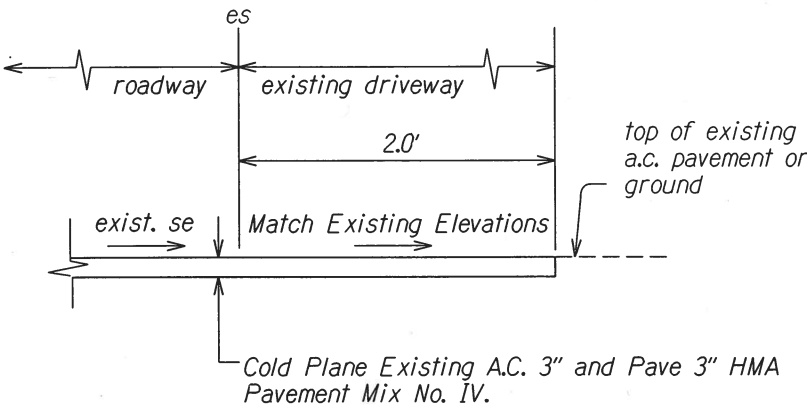
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES AND LEGEND KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS Waikane Valley Road to Vicinity of Kahekili Highway Project No. HSIP-083-1(66) Date: Sept., 2018	
SHEET No. 1 OF 2 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-083-1166	2019	ADD.10	36

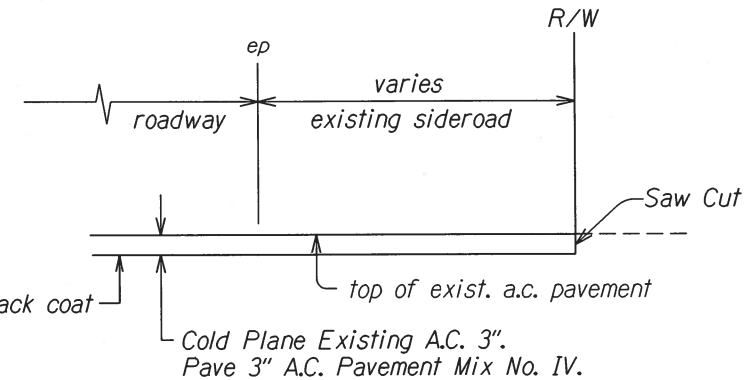
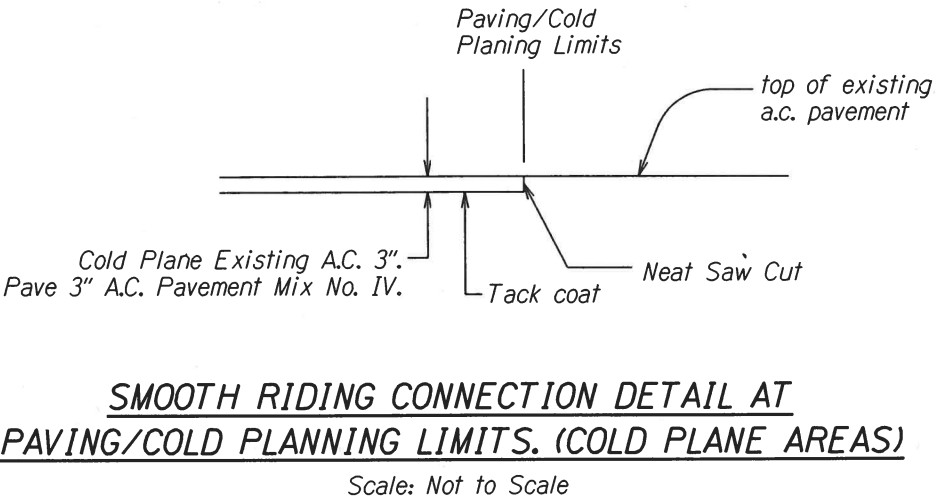


- *NOTES:**
1. Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder "safety edge."
 2. For shoulder edge grade differences of less than 2", Safety Edge is not required, but shoulder shall be dressed according to detail.
 3. Provide Safety Edge at the locations indicated in Typical Sections.
 4. Safety Edge and shoulder dressing work shall be incidental to paving.
 5. HMA Pavement Mix No. IV shall be used for shoulder dressing.

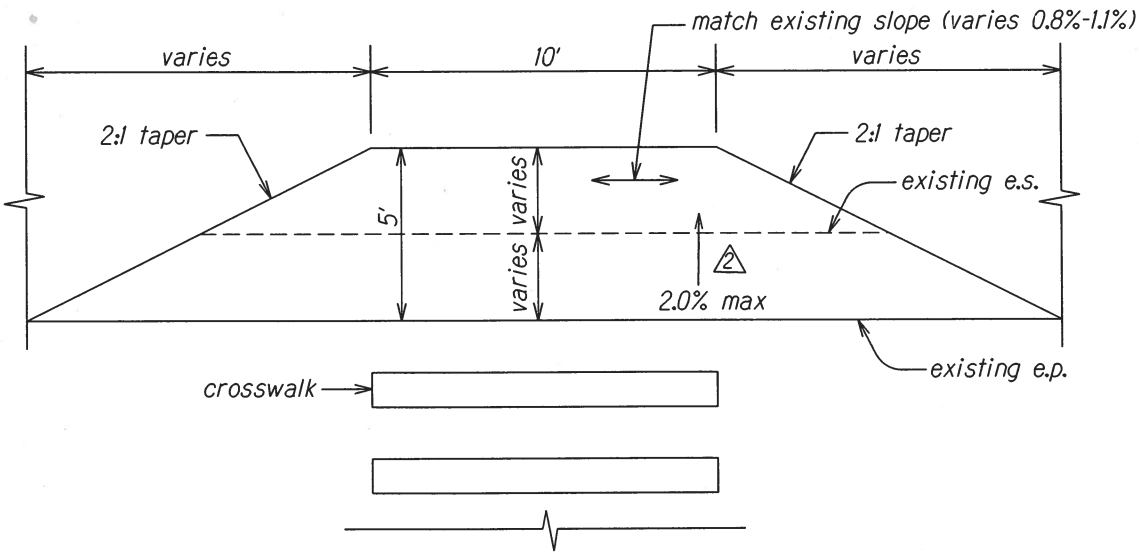
TYPICAL PAVEMENT EDGE DETAIL
Scale: Not to Scale



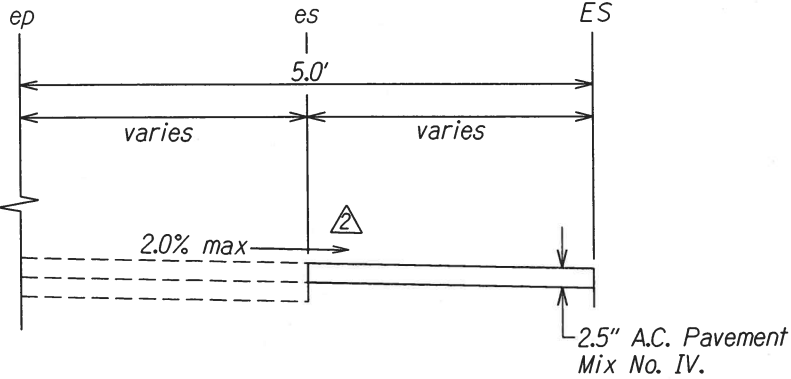
DETAIL OF PAVING AT EXISTING DRIVEWAYS
Scale: Not to Scale



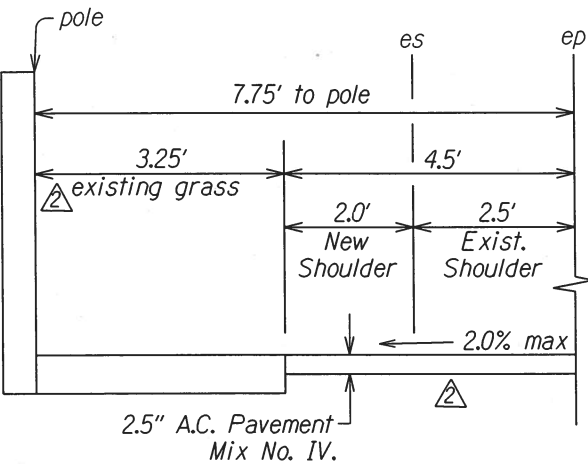
DETAIL OF PAVING AT PAVED SIDEROADS
Scale: Not to Scale



SHOULDER WIDENING AT CROSSWALK DETAIL (PLAN VIEW)
Scale: Not to Scale



SHOULDER WIDENING AT CROSSWALK DETAIL (CROSS SECTION)
Scale: Not to Scale



PULAMA RD. SHOULDER WIDENING DETAIL
Sta. 469+50 to # Sta. 469+64
Scale: Not to Scale

10/25/18 Added "existing" grass onto detail. Extended slope arrow. Added longitudinal slope

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

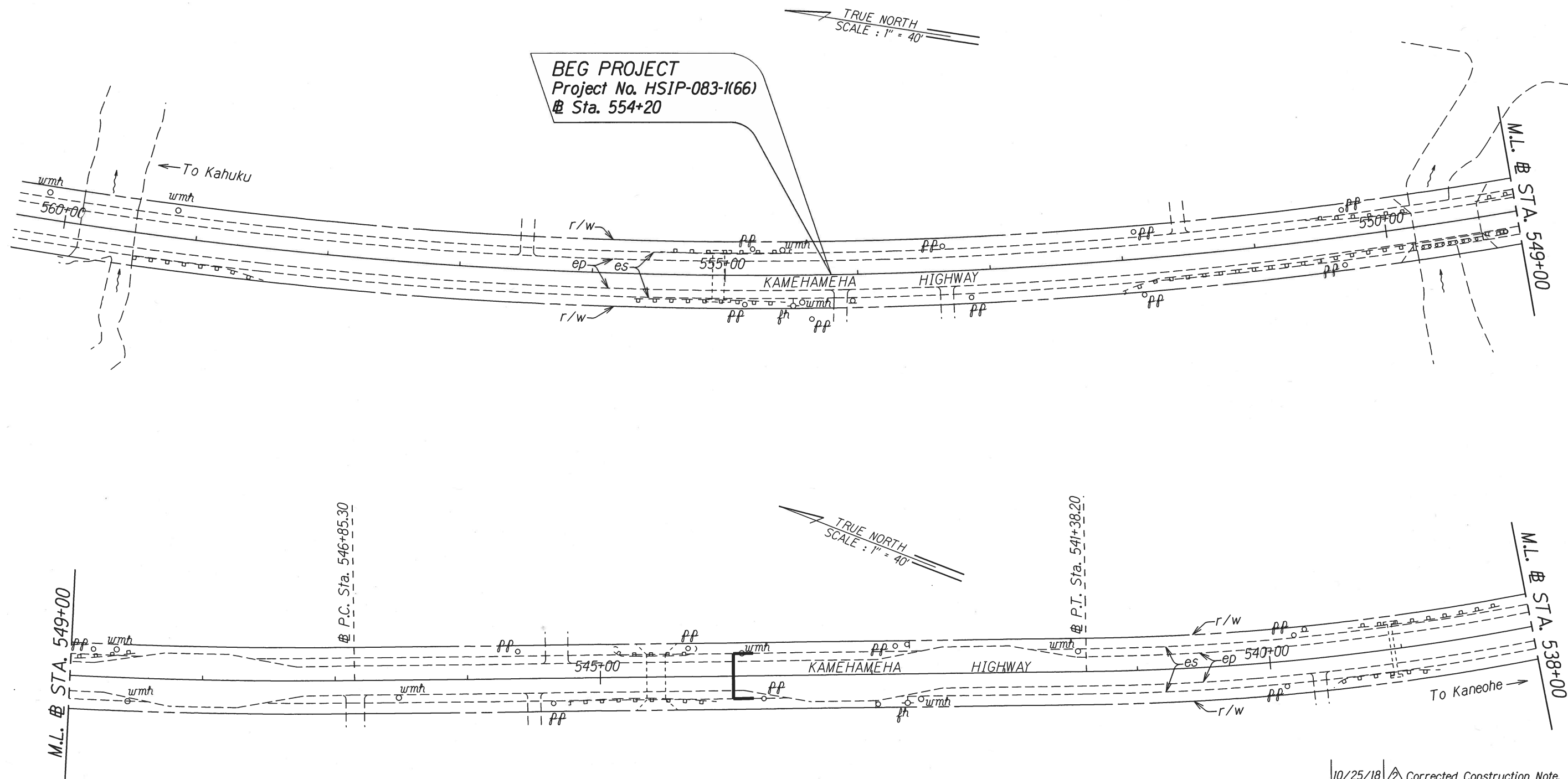
TYPICAL SECTIONS

KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS
Waikane Valley Road to Kahakili Hwy.
Federal Aid Project No. HSIP-083-1166

Scale: Not to Scale Date: Sept., 2018

SHEET No. 3 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-083-1166	2019	ADD.11	36



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES BOOK	DRAWN BY	
dd3, gwen	CHECKED BY	
N. Smith	CHECKED BY	

△ @ Sta. 528+75 to @ Sta. 544+00
Install High Friction Surface Treatment
(with modified Epoxy or polymer binder or
Equivalent).

10/25/18 △ Corrected Construction Note.

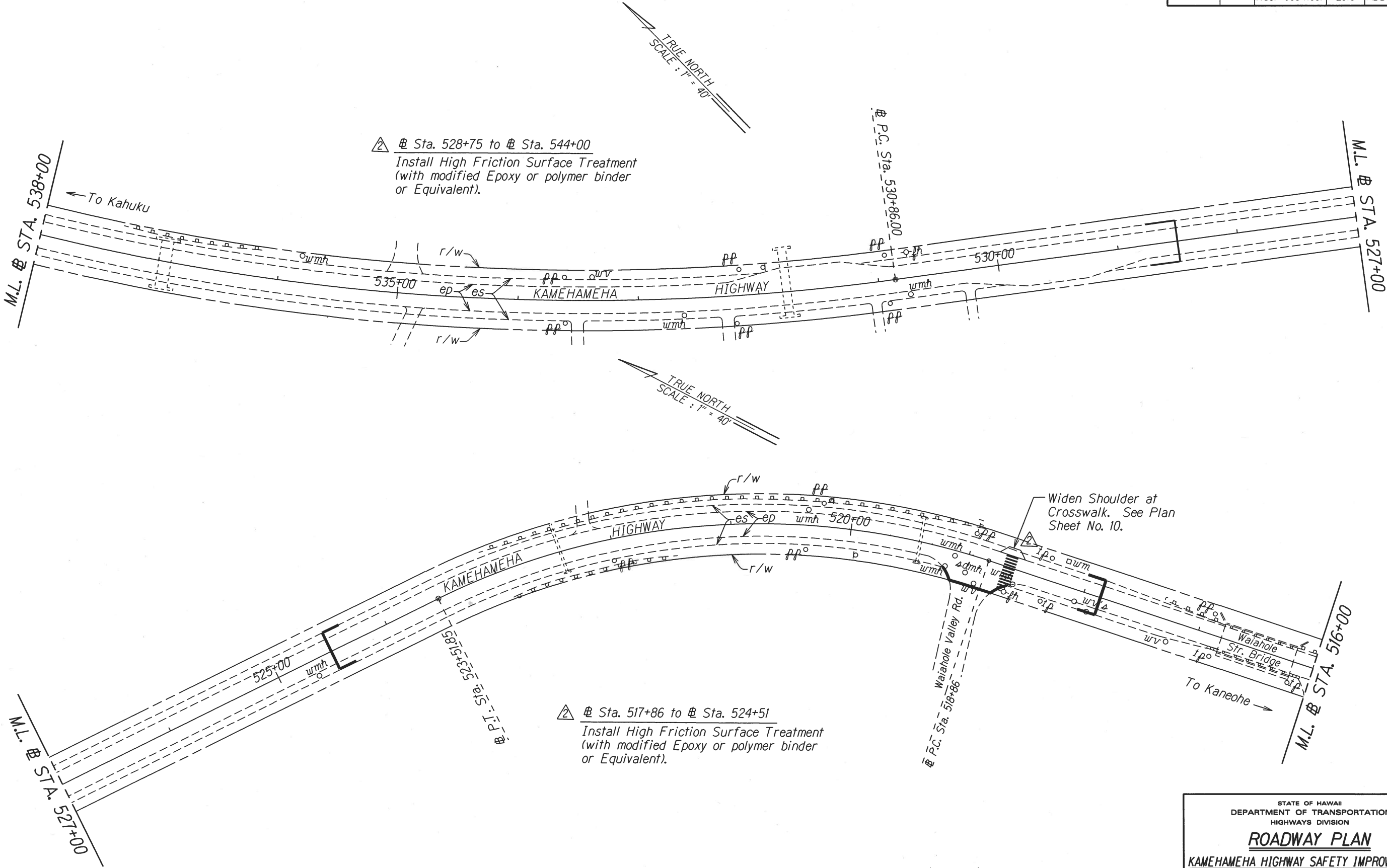
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS
Waikane Valley Road to
Vicinity of Kahekili Highway
Federal Aid Project No. HSIP-083-1166
Scale: 1" = 40' Date: Sept., 2018

SHEET No. 1 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-083-1(66)	2019	ADD.12	36



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
00109en	QUANTITIES BY	
N. Smith	CHECKED BY	

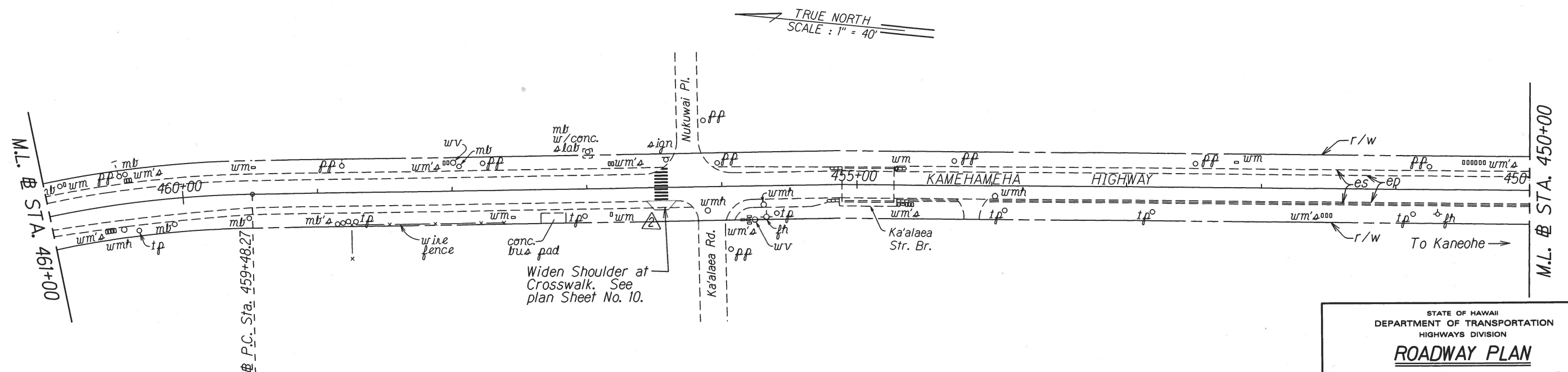
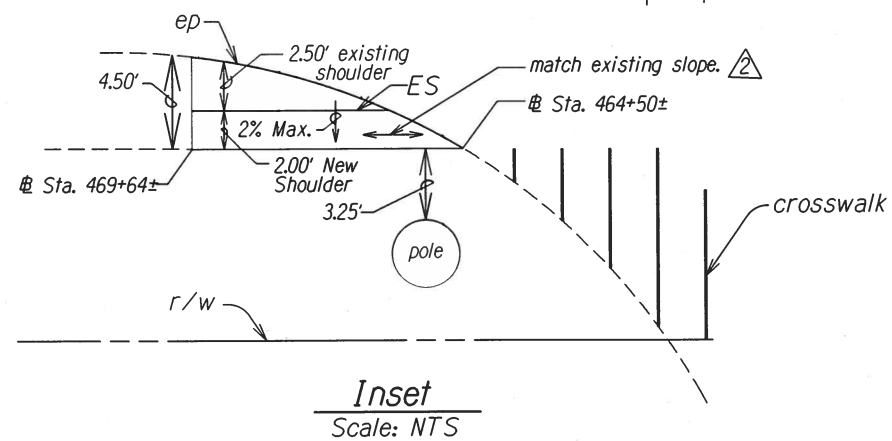
10/25/18	△ Corrected Construction Note. Revised Shoulder Widening.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS
Waikane Valley Road to
Vicinity of Kahekili Highway
Federal Aid Project No. HSIP-083-1(66)
Scale: 1" = 40' Date: Sept., 2018

SHEET No. 2 OF 9 SHEETS

Sta. 469+50 to Sta. 469+64
Widen Shoulder to 2.0'. Refer to
Inset on this Sheet and Plan
Sheet No. 10.



10/25/18	2 Revised Shoulder Widening. Added longitudinal slope.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS

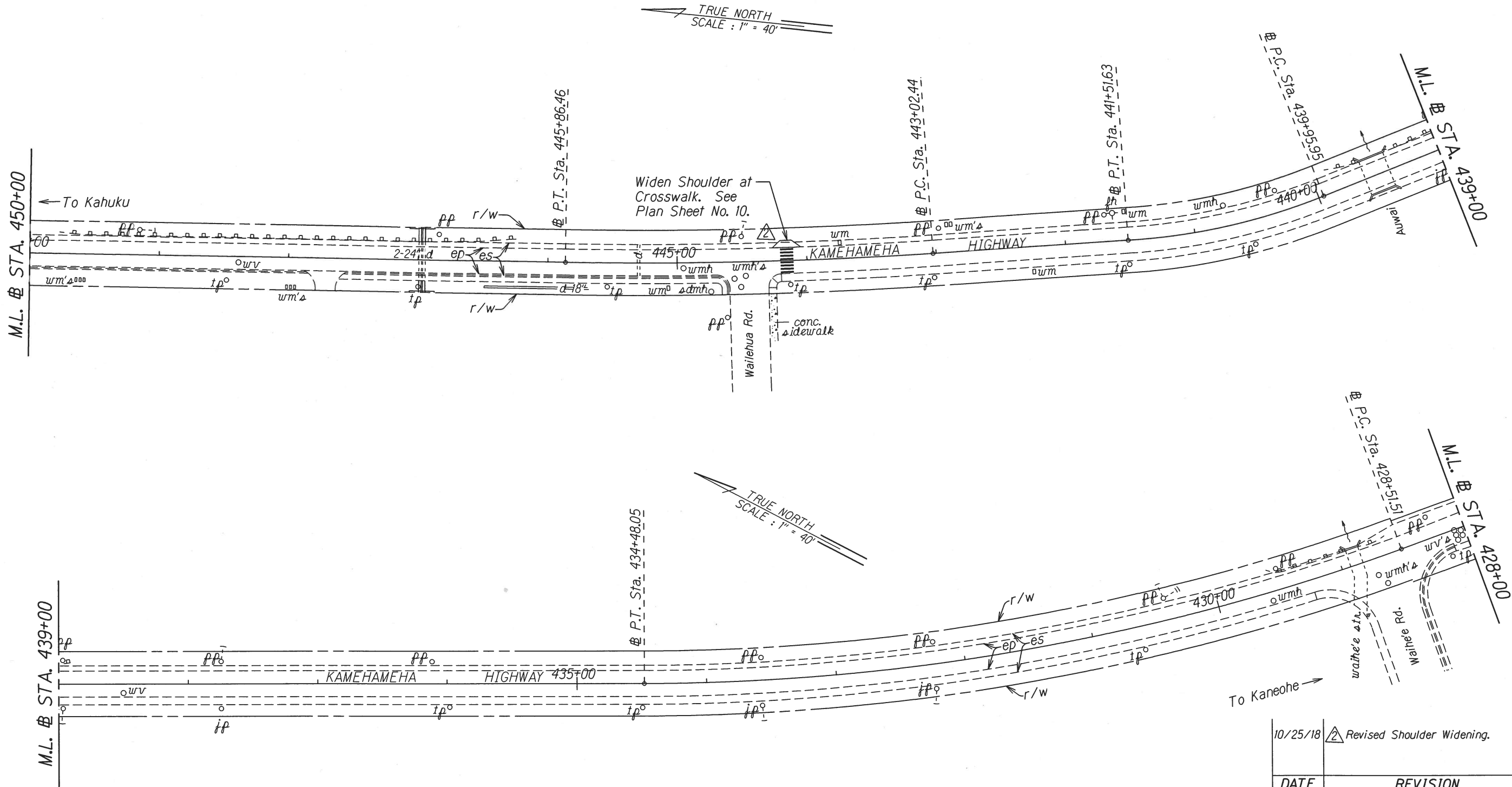
Waikane Valley Road to
Vicinity of Kahekili Highway

Federal Aid Project No. HSIP-083-1(66)

Scale: 1" = 40' Date: Sept., 2018

SHEET No. 5 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-083-1(66)	2019	ADD.16	36



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