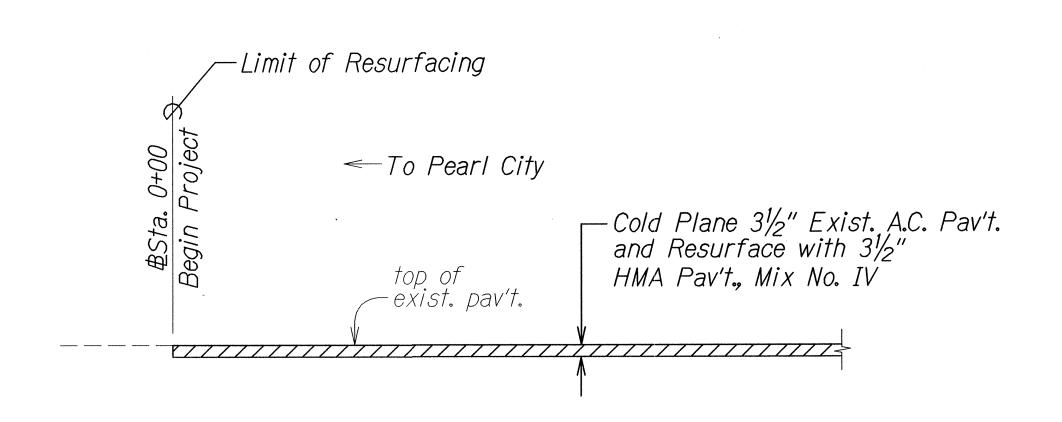


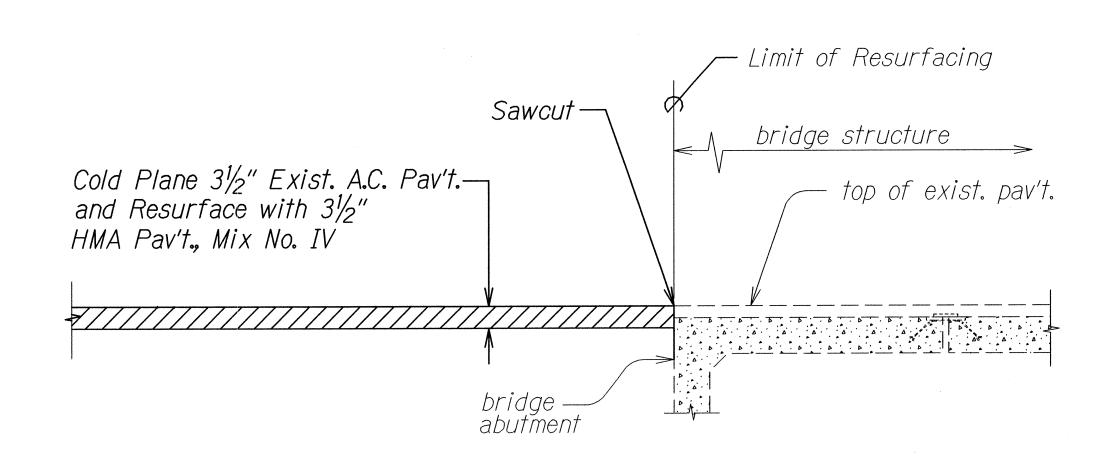
FED. ROAD DIST. NO.	STATE	₽₹₹₽Ĵ.ANO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-099-1(029)	2014	12	84



—Limit of Resurfacing To Wahiawa─> Cold Plane 3½" Exist. A.C. Pav't.— and Resurface with 3½" top of exist. pav't. HMA Pav't., Mix No. IV

COLD PLANED TRANSITION AT BEGINNING OF PROJECT Not to Scale

COLD PLANED TRANSITION END OF PROJECT Not to Scale



COLD PLANED TRANSITION AT KIPAPA BRIDGE (ROOSEVELT BRIDGE) Not to Scale

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

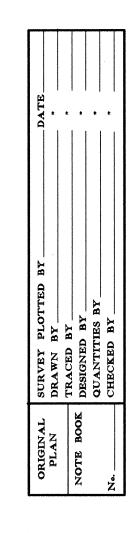
TYPICAL DETAILS

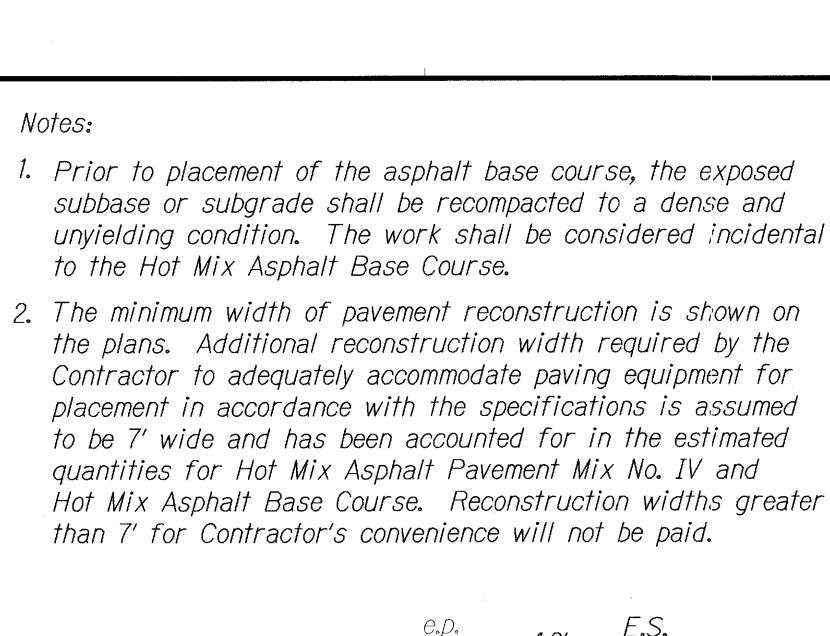
KAMEHAMEHA HIGHWAY RESURFACING Vicinity of Ka Uka Boulevard to Vicinity of Waihau Street Federal Aid Project No. NH-099-1(029)

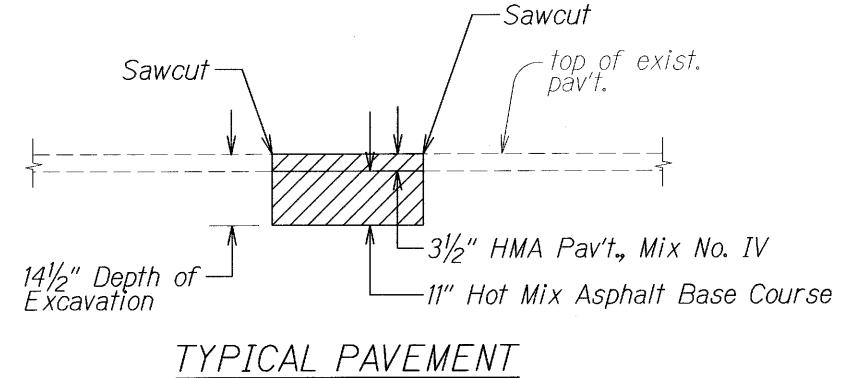
Scale: NTS

Date: Sept., 2013

SHEET No. 1 OF 6 SHEETS









HAWAII -Sawcut —top of exist. pav't. Sawcut-└─31/2" HMA Pav't., Mix No. IV 12" Depth of -Excavation -8½" Hot Mix Asphalt Base Course

FED. ROAD DIST. NO.

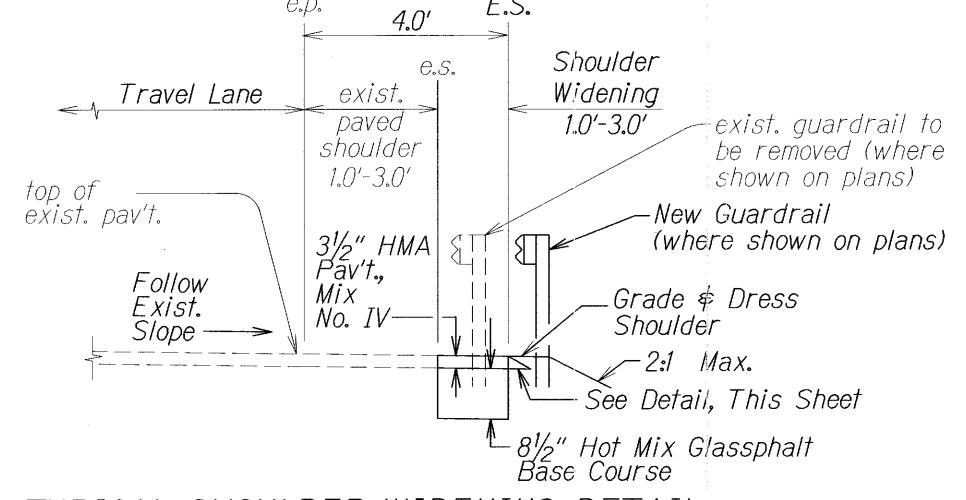
FED. AID PROJ. NO.

NH-099-1(029)

YEAR

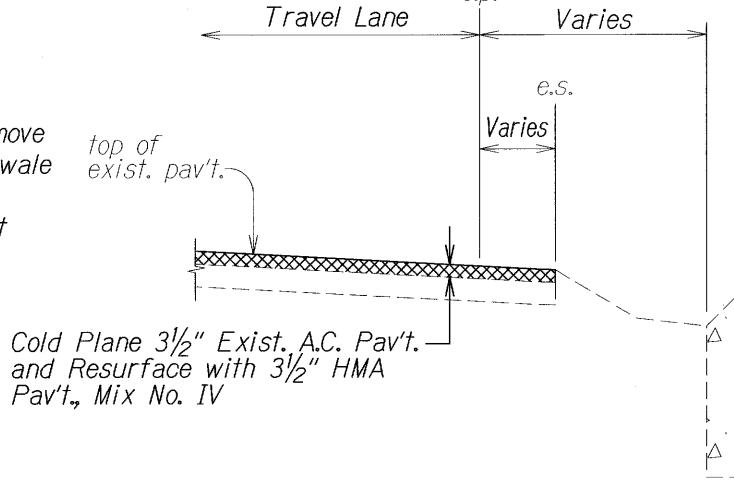
2014 | ADD.13

TYPICAL PAVEMENT RECONSTRUCTION DETAIL LANIKUHANA AVE. TO WAIHAU ST. (也 STA. 11+00 to 也 STA. 81+00) Not to Scale



FOR 8.0' GUARDRAIL POST Not to Scale

Note: On the Wahiawa side of Kipapa Bridge, the Contractor shall remove boulders and debris from the swale including brooming off prior to cold-planing/paving the adjacent shoulder. See Hydraulics Plan Sheets H3 to H4 for gutter reconstruction details.

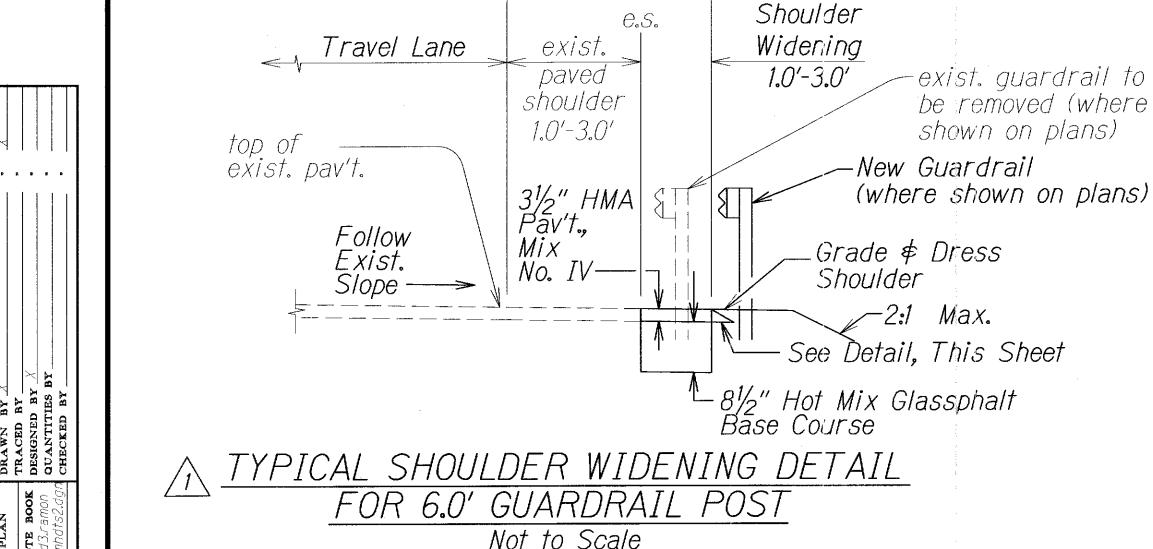


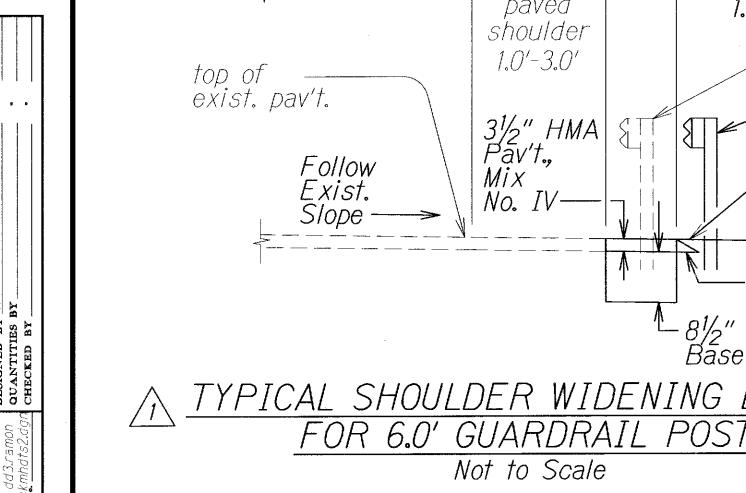
SHOULDER PAVING DETAIL EXISTING CHAIN LINK BARRIER (near Kipapa Bridge)

Not to Scale shoulder taper wedge Top of New Pav't. ---Dress Shoulder to Match =top of exist. pav't. Existing Ground Slope ----> -exist. aggregate base course — exist. aggregate subbase course — Cold Plane Exist. Pav't. ♦ Resurface with HMA Pav't. Mix No. IV (Same Thickness)

ATYPICAL PAVEMENT EDGE DETAIL (FOR COLD PLANING PROJECT) Not to Scale

> Note: Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder edge.



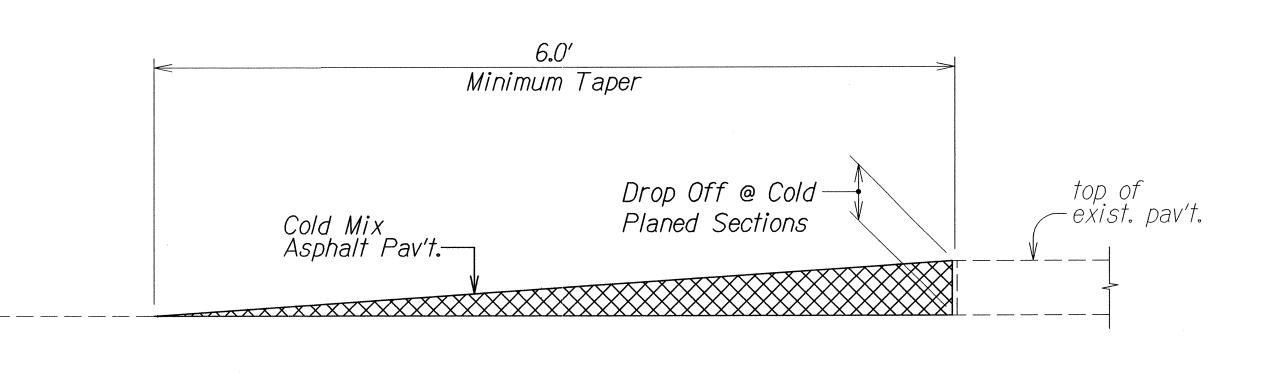


/1\ 1/23/14 | Revised Details. DATE REVISION STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL DETAILS KAMEHAMEHA HIGHWAY RESURFACING Vicinity of Ka Uka Boulevard to Vicinity of Waihau Street

> Scale: NTS Date: Sept., 2013 SHEET No. 2 OF 6 SHEETS

Federal Aid Project No. NH-099-1(029)

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	NH-099-1(029)	2014	14	84

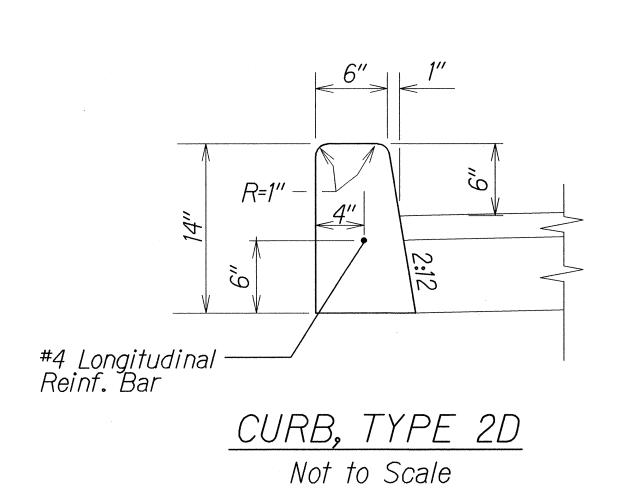


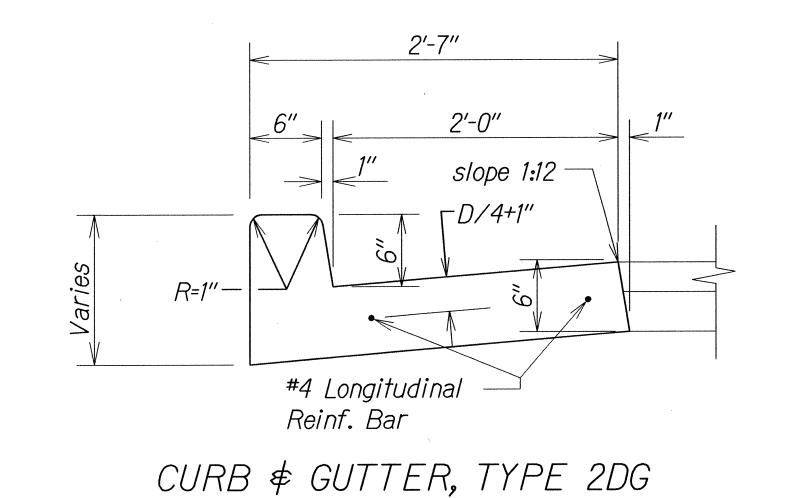
TEMPORARY TRANSITION AT

COLD PLANED AREAS

Not to Scale

Note: Contractor shall construct temporary pavement taper to prevent sharp pavement drop-offs at all cold planed sections. Prior to final Hot Mix Asphalt Pavement, Mix No. IV placement, temporary pavement taper shall be removed.





Not to Scale

Note: Removal and disposal of existing curbs shall be considered incidental to the respective curb contract items.

> STATE OF HAWAII
> DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TYPICAL DETAILS

KAMEHAMEHA HIGHWAY RESURFACING Vicinity of Ka Uka Boulevard to Vicinity of Waihau Street

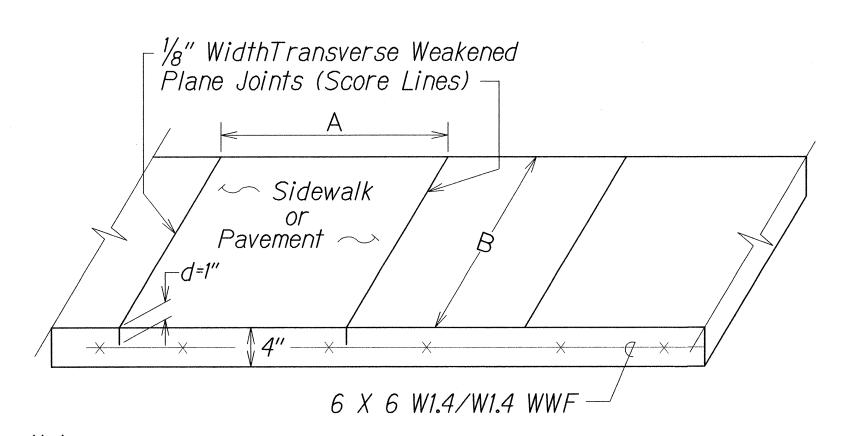
Federal Aid Project No. NH-099-1(029)

Scale: NTS

Date: September, 2013

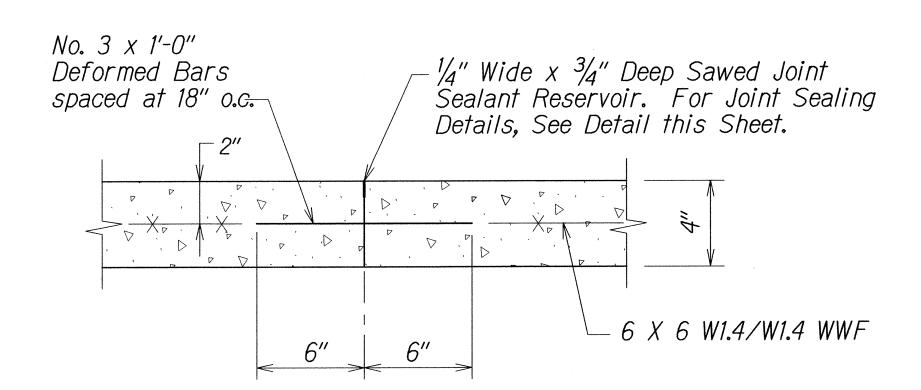
SHEET No. 3 OF 6

FISCAL SHEET TOTAL YEAR NO. SHEETS FED. ROAD DIST. NO. FED. AID STATE PROJ. NO. HAW. NH-099-1(029) 2014 15

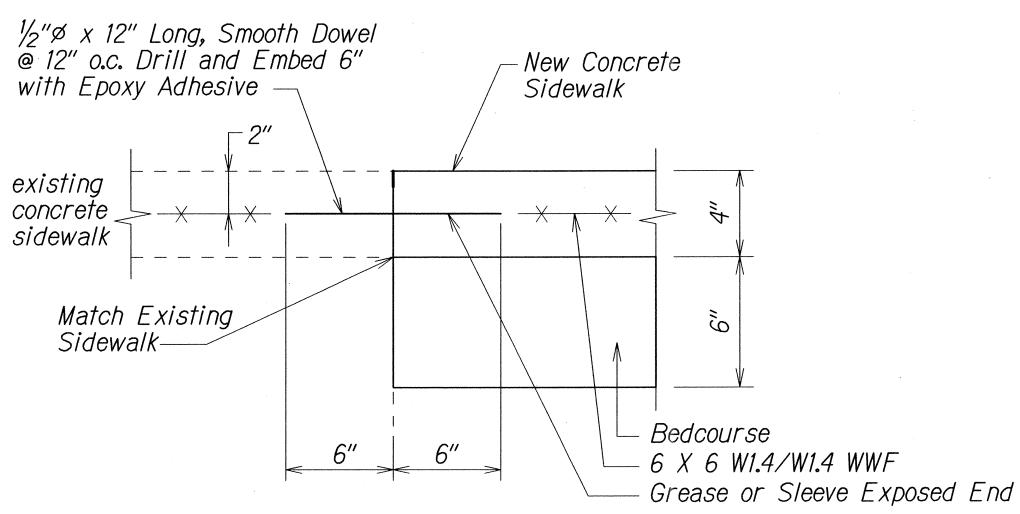


1. A = 5' if B < 7' or (B/A) or A/B < 1.25and (A or B) not to exceed 7'0

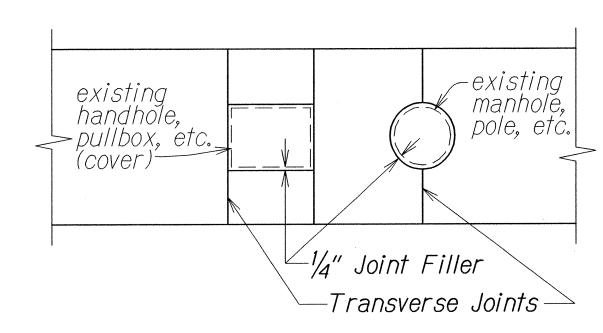
> SIDEWALK SCORE LINE DETAIL Not To Scale



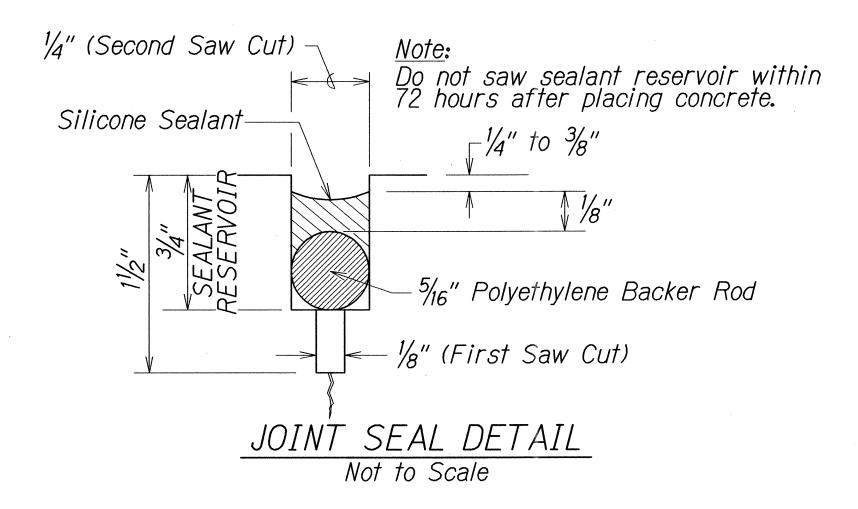
TRANSVERSE CONSTRUCTION JOINT DETAIL Not to Scale



TRANSVERSE JOINT AT EXISTING SIDEWALK Not to Scale



<u>SIDEWALK</u> ISOLATION JOINT DETAIL Not To Scale



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

Vicinity of Ka Uka Boulevard to Vicinity of Waihau Street Federal Aid Project No. NH-099-1(029)

Scale: NTS

Date: Sept., 2013

SHEET No. 4 OF 6 SHEETS

SURVEY PLOTTE DRAWN BY \angle TRACED BY \angle DESIGNED BY \angle QUANTITIES BY
CHECKED BY

__Dressing of sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the area adjacent to the improvement with suitable material as shown on the plans and/or as directed by the Engineer.

Transverse and longitudinal weakened plane joints for sidewalk shall be considered incidental to the P.C.C. sidewalk contract item.

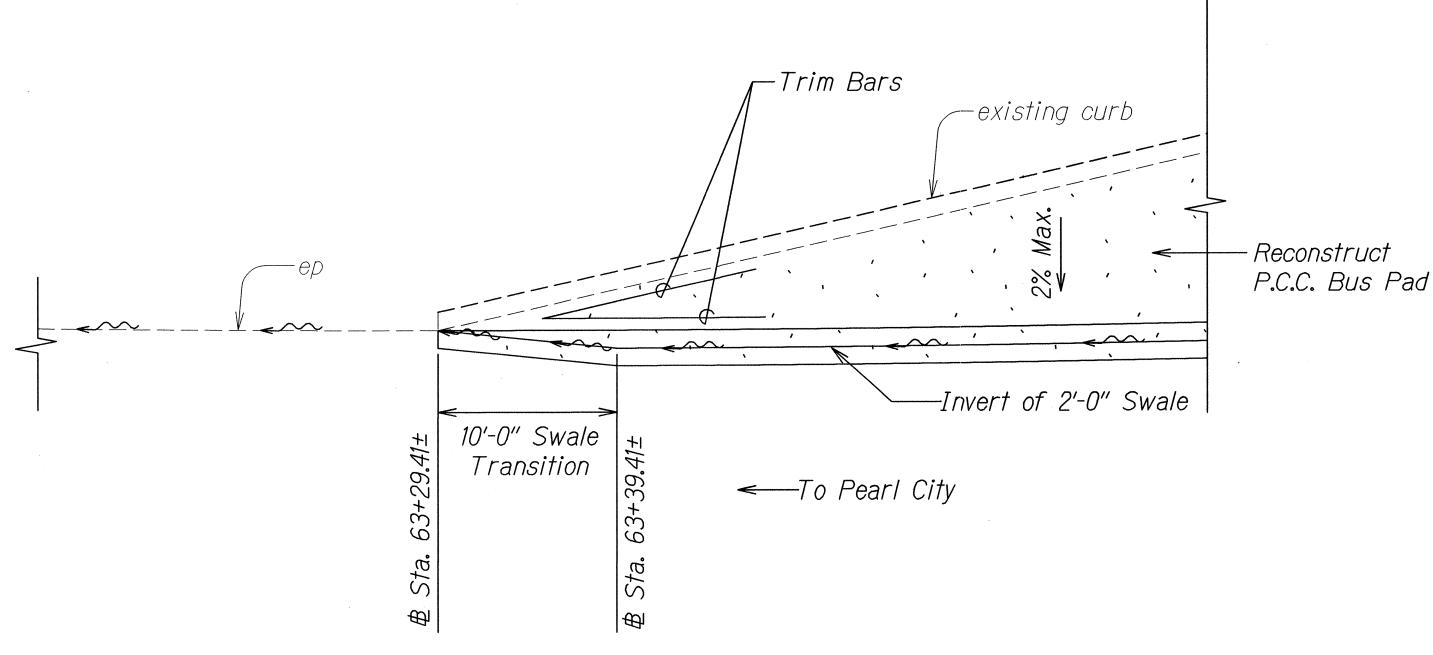
Installation of dowels and tie bars including drilling, and epoxy grout shall be considered incidental to the P.C.C. sidewalk contract item.

Existing concrete sidewalk shall be saw cut at scorelines prior to reconstructing the sidewalk. Actual location of the scoreline shall be determined in the field. Saw cutting shall be considered incidental to the sidewalk contract item.

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 that 6.0 feet long. This work shall be considered incidental to the P.C.C. sidewalk contract item.

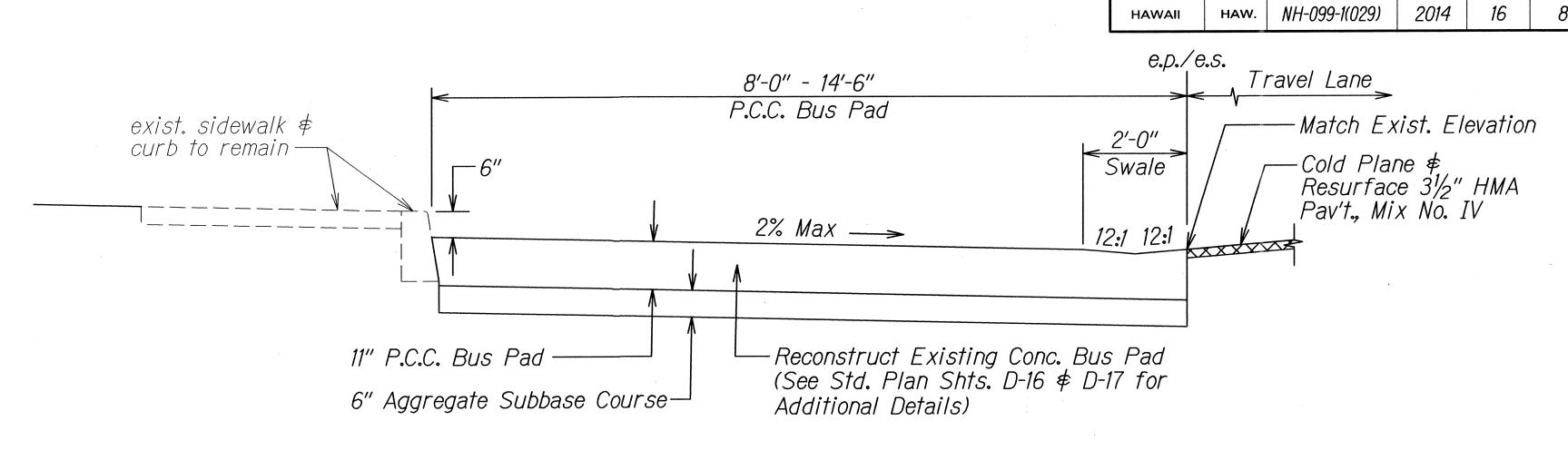
Notes:

- Dressing of sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the area adjacent to the improvement with suitable material as shown on the plans and/or as directed by the Engineer.
- Transverse and longitudinal weakened plane joints for sidewalk shall be considered incidental to the P.C.C. sidewalk contract item.
- Installation of dowels and tie bars including drilling, and epoxy grout shall be considered incidental to the P.C.C. sidewalk contract item.
- Existing concrete sidewalk shall be saw cut at scorelines prior to reconstructing the sidewalk. Actual location of the scoreline shall be determined in the field. Saw cutting shall be considered incidental to the sidewalk contract item.
- 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 that 6.0 feet long. This work shall be considered incidental to the P.C.C. sidewalk contract item.



PLAN SWALE TRANSITION DETAIL

I.B. & Sta. 63+29.41± to I.B. & Sta. 63+39.41± Not to Scale

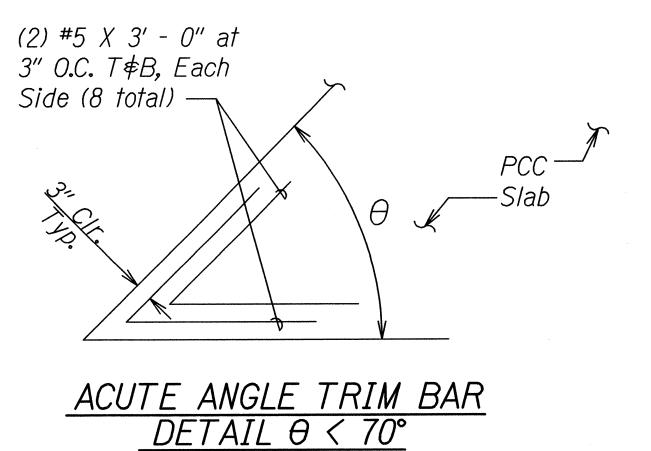


BUS PAD RECONSTRUCTION DETAIL I.B. B Sta. 64+00± to I.B. B Sta. 65+25± Not to Scale

-Remove and Replace Exist. Guardrail w/ Travel Lane New Modified Thrie 8'-0" Beam Guardrail (Where Shown on Plans) exist. ground top of exist. pav't— w/ New Curb, Type 2D | | Cold Plane 3½" Exist. A.C. Pav't, and Resurface with

> TYPICAL CURB & GUARDRAIL REPLACEMENT DETAIL
>
> I.B. B Sta. 68+90± to I.B. B Sta. 81+00± Not to Scale

31/2" HMA Pav't., Mix No. IV



Not to Scale

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

TYPICAL DETAILS

FED. AID PROJ. NO.

FISCAL SHEET TOTAL

NO. SHEETS

YEAR

FED. ROAD DIST. NO.

STATE

KAMEHAMEHA HIGHWAY RESURFACING Vicinity of Ka Uka Boulevard to Vicinity of Waihau Street Federal Aid Project No. NH-099-1(029)

Scale: NTS

Date: Sept., 2013 SHEET No. 6 OF 6 SHEETS

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