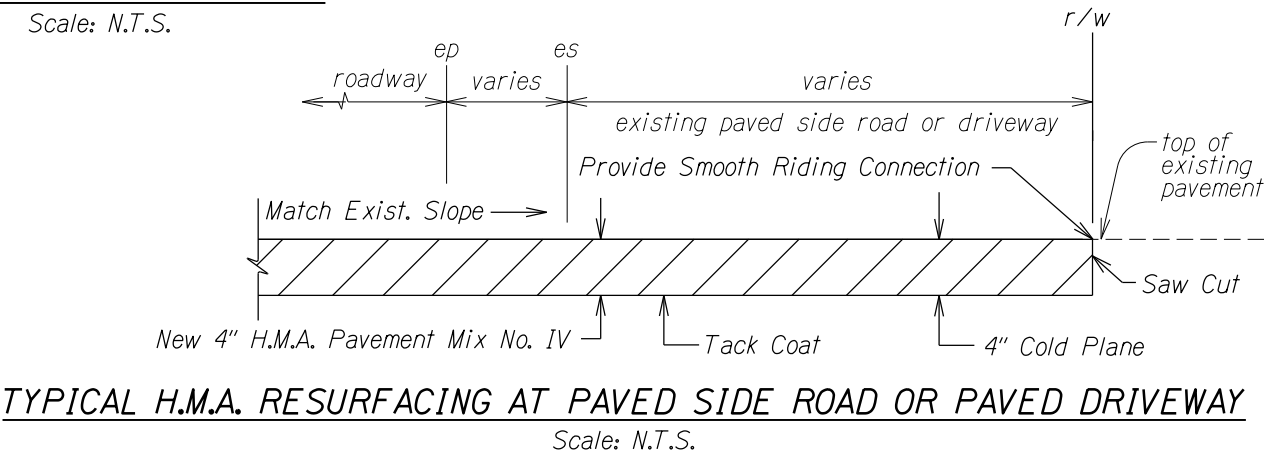
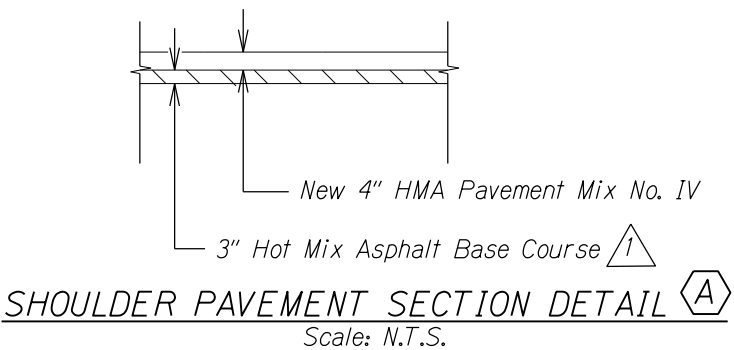
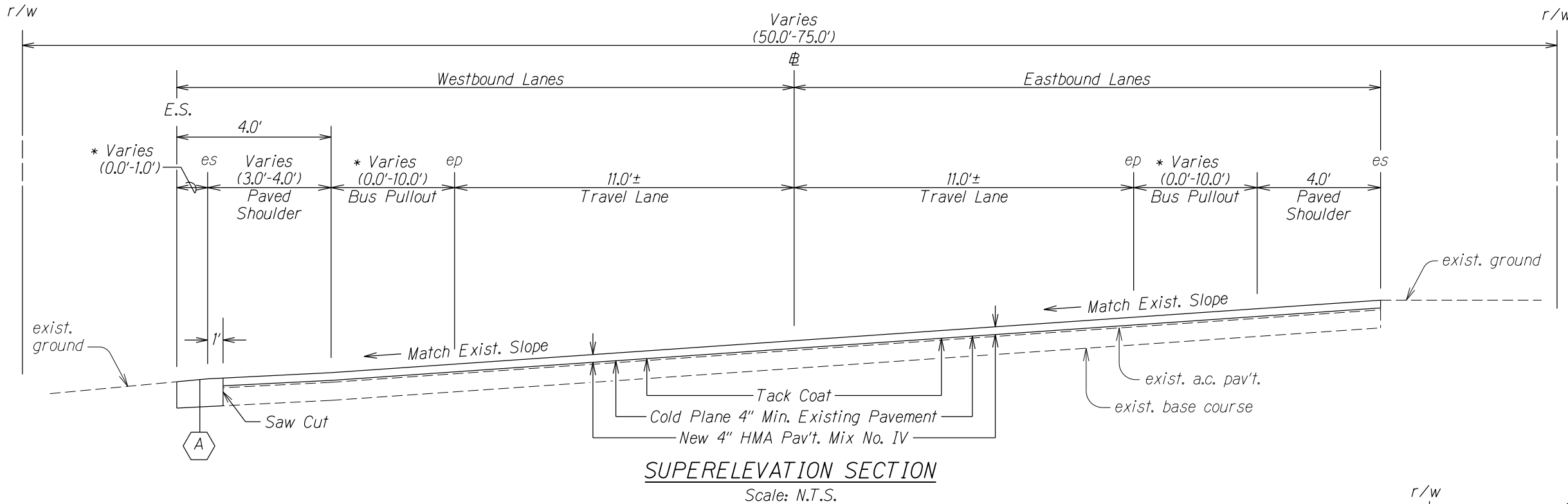
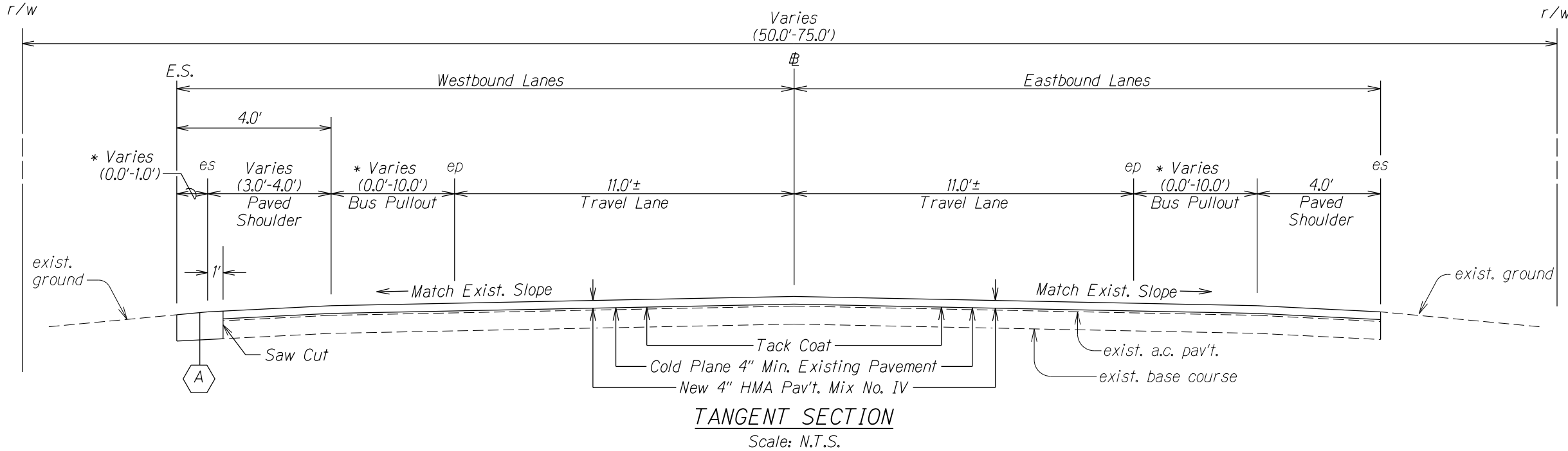


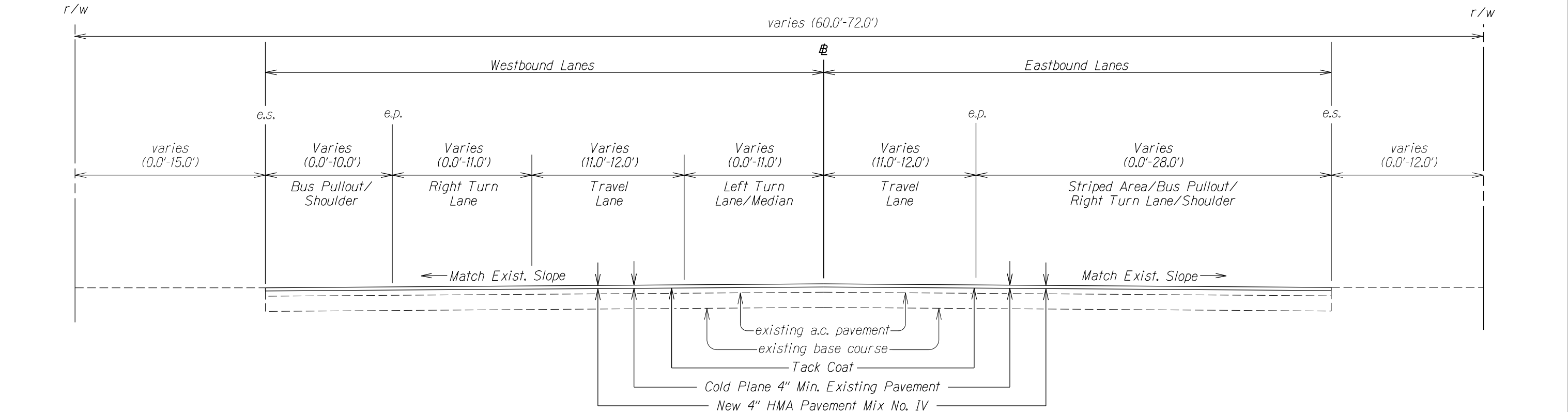
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 11	107

- * Note:
1. For limits of shoulder widening, see plan sheet 46.
 2. For limits of Bus Pullouts, see Roadway Plans.

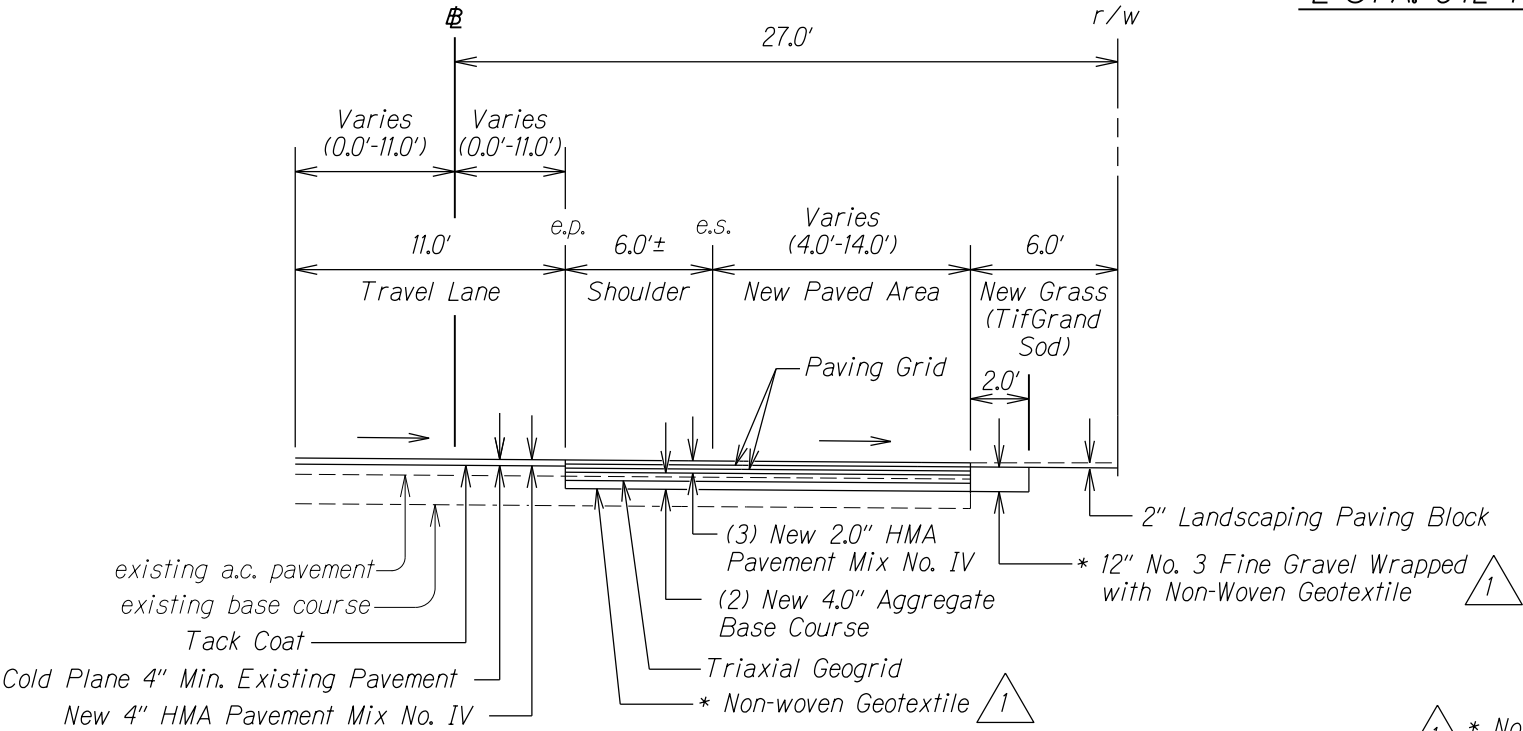


6/4/15	Revised Hot Mix Asphalt Base Course Thickness for Shoulder Pavement Section.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTION	
KAMEHAMEHA HIGHWAY RESURFACING Dairy Road to Laiewai Bridge Federal Aid Project No. NH-083-1(072)	
Scale: As Shown	Date: May, 2015
SHEET No. 1 OF 5 SHEETS	

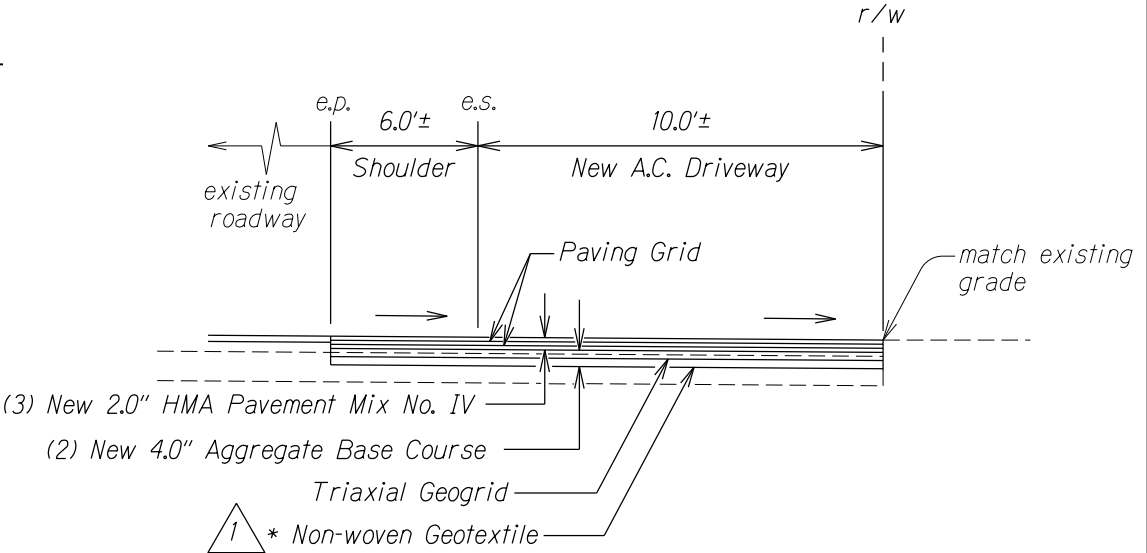
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 12	107



STA. 642+74± to STA. 662+00±
Scale: N.T.S.



PARTIAL TYPICAL SECTION
STA. 662+00± to STA. 663+63±
STA. 663+86± to STA. 666+20±
Scale: N.T.S.



PARTIAL TYPICAL SECTION
STA. 663+63± to STA. 663+86±
STA. 666+20± to STA. 667+00±
Scale: N.T.S.

1 * Note: Non-Woven Geotextile Is Considered Incidental To Various Contract Items.

1 6/4/15 Added Notes.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

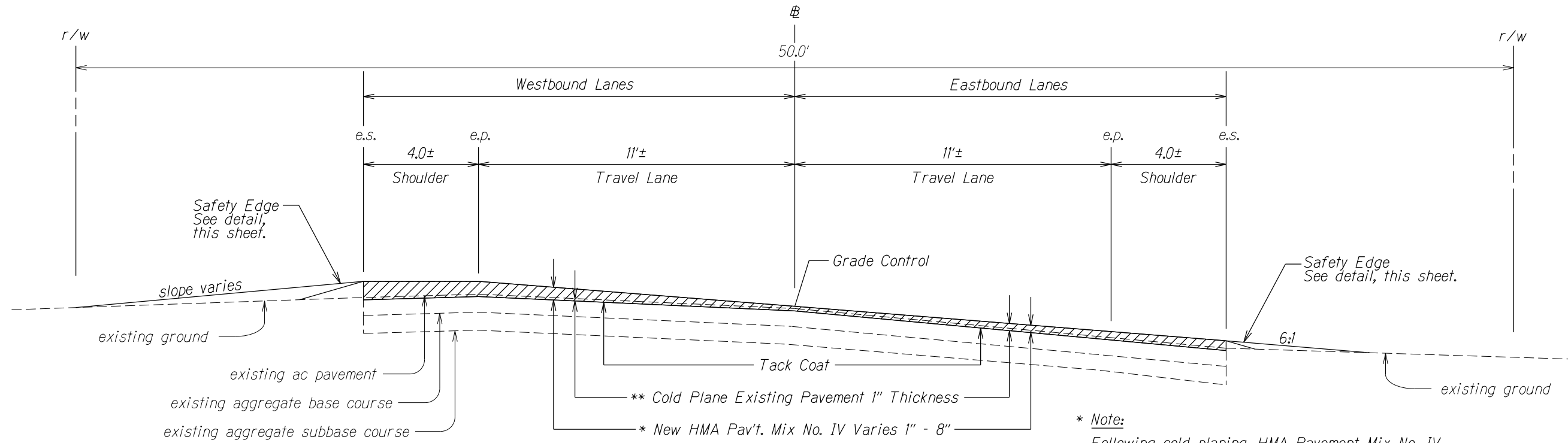
TYPICAL SECTION

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: not to scale Date: May, 2015

SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 13	107

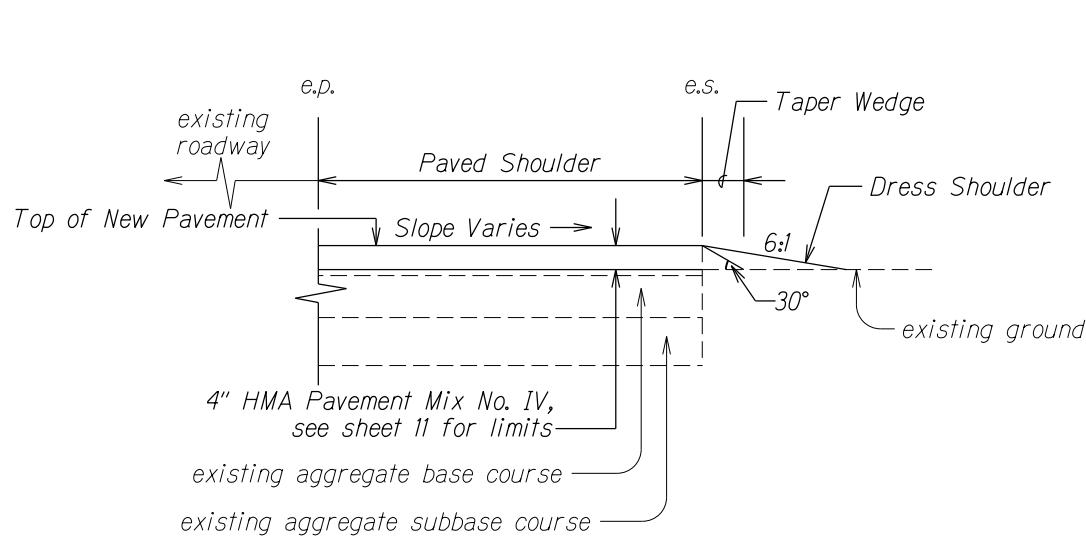


TYPICAL SUPERELEVATION SECTION
STA. 386+06± to # STA. 393+60±
STA. 527+74± to # STA. 535+28±

Scale: N.T.S.

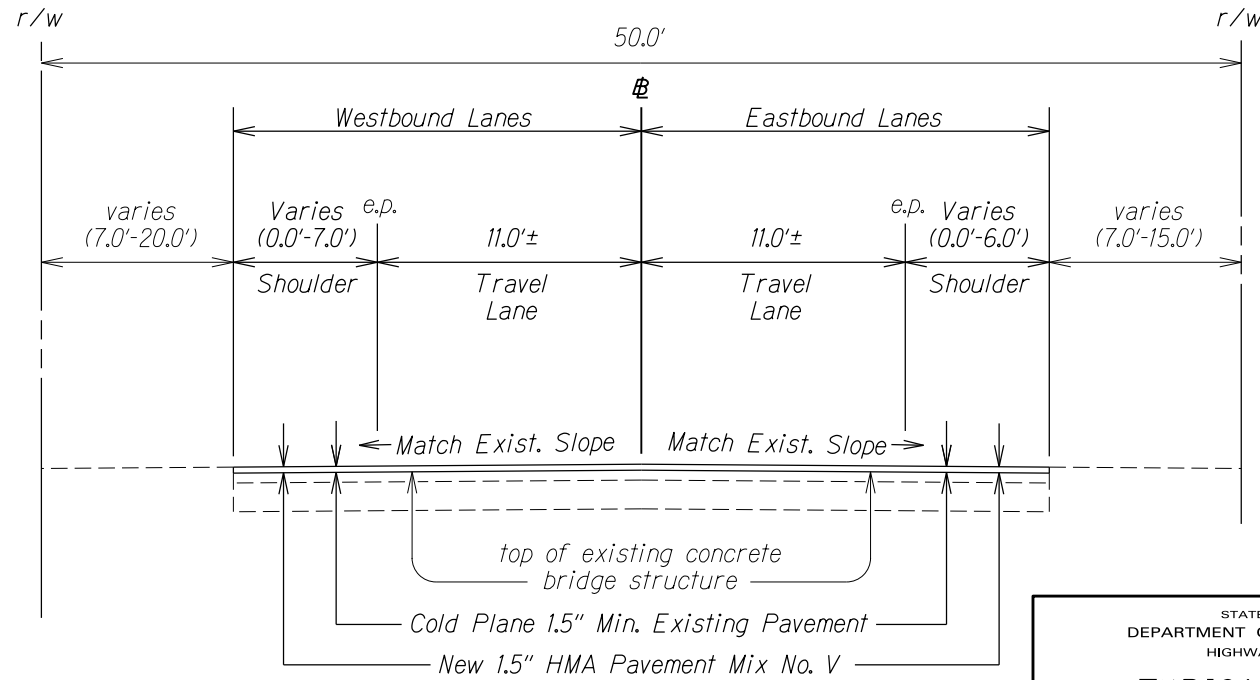
*** Note:**
Following cold planing, HMA Pavement Mix No. IV shall be placed until it reaches the elevations as shown on Pavement Grade Plans, Sheet No. 47 # 48.

**** Note:**
Road condition shall be field verified by the Engineer.



TYPICAL PAVEMENT EDGE DETAIL
Scale: N.T.S.

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



TYPICAL BRIDGE SECTION
Scale: N.T.S.

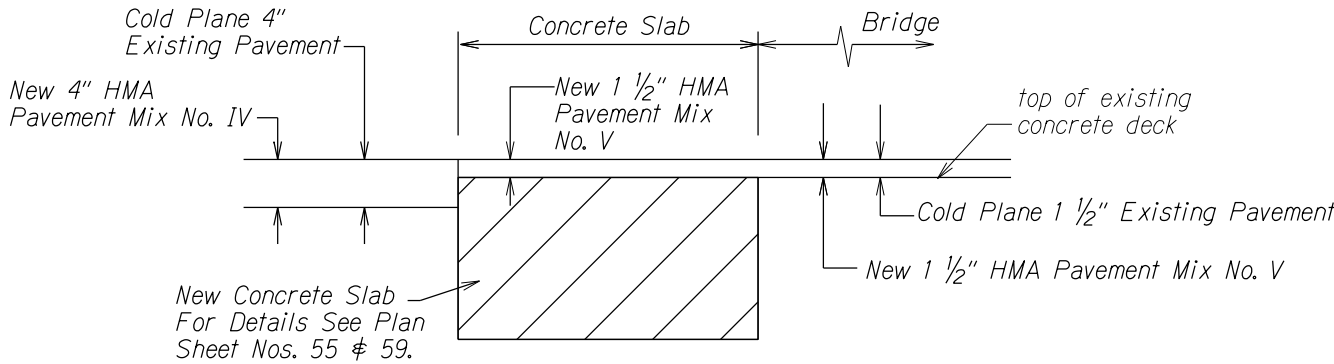
DATE	6/1/15	Corrected Typical Superelevation Section Limits.
	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

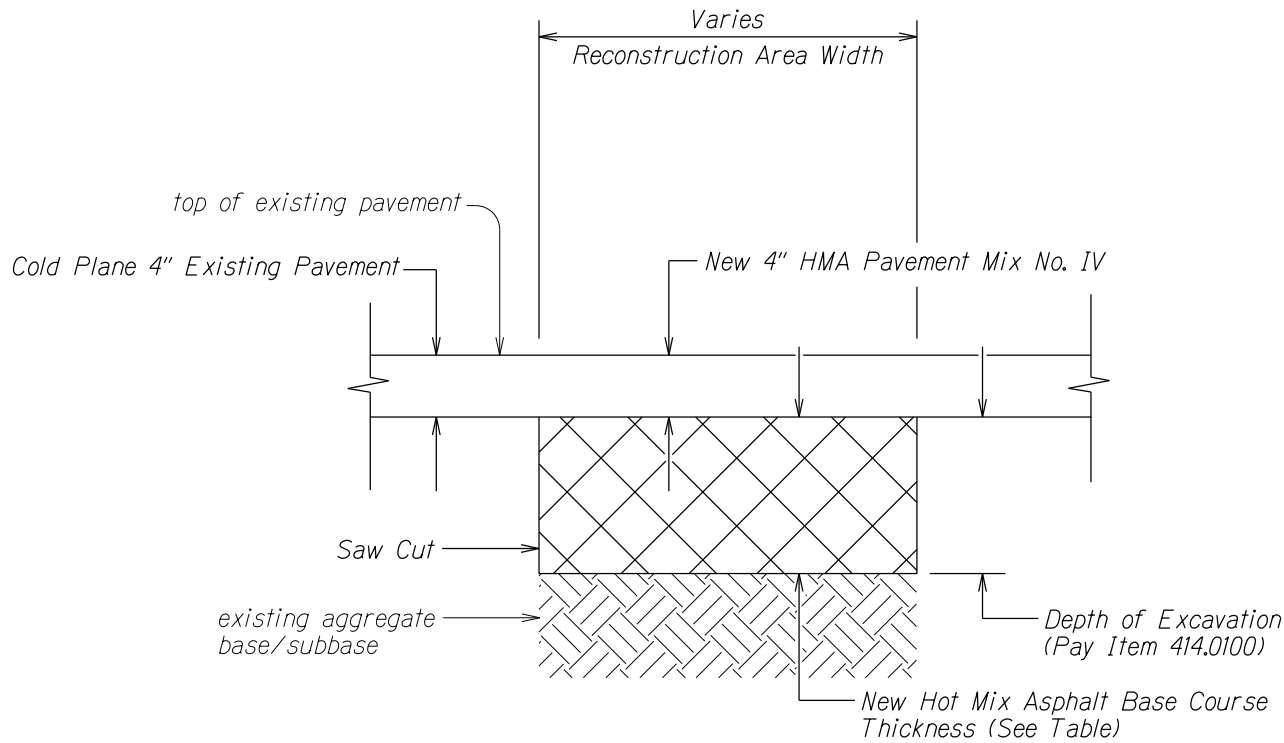
TYPICAL SECTION
KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: not to scale Date: May, 2015

SHEET No. 3 OF 5 SHEETS



PAVEMENT DETAIL
AT NEW CONCRETE SLAB
± Sta. 381+29± to ± Sta. 382+03±
± Sta. 484+92± to ± Sta. 485+26±
Not to Scale



AC PAVEMENT RECONSTRUCTION DETAIL
Not to Scale

Notes:

- a. For reconstruction area schedule, see Plan Sheet No. 24-26.
- b. Prior to placement of the asphaltic concrete base, the exposed subbase or subgrade should be recompactd to a dense and unyeilding condition.
- c. Reconstructed pavement from in this area should consist of the removal of the surface asphaltic concrete down to the underlying base material and replacement with pavement section above.

PAVEMENT DESIGN FOR RECONSTRUCTION AREAS				
± Station		HMA Pavement Thickness (in.)	Hot Mix Asphalt Base Course Thickness (in.)	Total Pavement Thickness (in.)
From	To			
345+00±	384+00±	4.0	8.5	12.5
384+00±	432+00±	4.0	3.5	7.5
432+00±	538+70±	4.0	6.0	10.0
538+70±	550+00±	4.0	8.5	12.5
550+00±	623+40±	4.0	8.5	12.5
623+40±	655+30±	4.0	4.0	8.0
655+30±	682+50±	4.0	3.0	7.0
682+50±	1481+50±	4.0	8.0	12.0
1481+50±	1412+00±	4.0	3.0	7.0

1	6/4/15	Revised Pavement Design for Reconstruction Area ± Station Limits. Added New Typical Section.
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

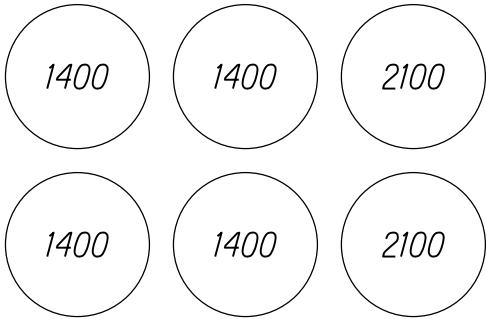
TYPICAL SECTION

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal-Aid Project No. NH-083-1(072)

Scale: Not to Scale Date: May, 2015

SHEET No. 5 OF 5 SHEETS

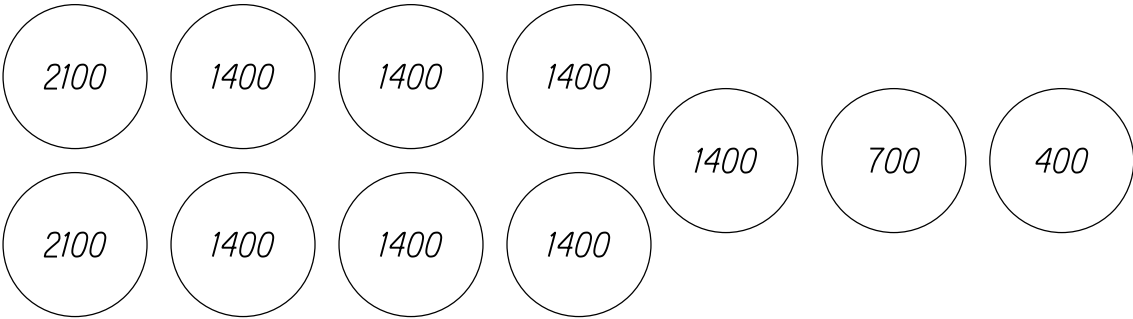
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 16	107



INERTIAL BARRIER SYSTEM (TYP. 25 MPH DESIGN)
STA. 375+45± TO # STA. 375+55±
Scale: N.T.S.

Notes:

1. Install in front of trailing end of new Makai Delaware at # Sta. 375+55± as shown on the plans.
2. Supply an Inertial Barrier System meeting the requirements specified in Section 627 and install per manufacturer's recommendations.
3. A total of three systems are to be provided for each location. One system will be installed at each site per the contract. The remaining two systems for each location shall be transported and stored at the Oahu District Office (727 Kakoi Street) or at a location to be determined by the Engineer.



INERTIAL BARRIER SYSTEM (TYP. 45 MPH DESIGN)
STA. 485+19± TO # STA. 485+44±
Scale: N.T.S.

Notes:

1. Install in front of trailing end of new Makai Delaware at # Sta. 485+19± as shown on the plans.
2. Supply an Inertial Barrier System meeting the requirements specified in Section 627 and install per manufacturer's recommendations.
3. A total of three systems are to be provided for each location. One system will be installed at each site per the contract. The remaining two systems for each location shall be transported and stored at the Oahu District Office (727 Kakoi Street) or at a location to be determined by the Engineer.

⚠	6/1/15	Revised Section Number.
	DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
<u>INERTIAL BARRIER SYSTEM (TYP.)</u>		
<u>KAMEHAMEHA HIGHWAY RESURFACING</u> <u>Dairy Road to Laiewai Bridge</u> <u>Federal Aid Project No. NH-083-1(072)</u>		
Scale: As Shown		Date: May, 2015
SHEET No. 1 OF 1 SHEETS		

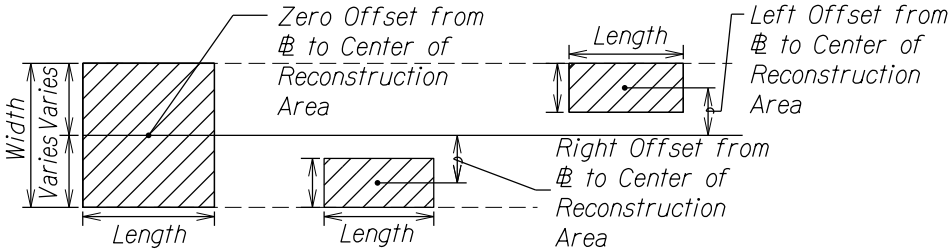
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

Reconstruction Area Schedule (Eastbound Lanes)

Station		Offset from # to Center of Reconstrtuction Area (L.F.)		Length (Linear Feet)	Width (Linear Feet)	Approximate Area (Square Feet)
From	To	Left	Right			
347+55	347+59		4.00	4	11	44
349+05	350+14		4.00	109	11	1,199
351+50	352+03		4.00	53	11	583
356+50	375+28		4.00	1878	11	20,658
375+60	381+26		4.50	566	11	6,226
382+10	383+37		5.50	127	11	1,397
384+40	384+60		5.50	20	11	220
386+05	387+67		6.00	162	11	1,782
393+00	393+17		6.00	17	11	187
393+95	401+57		6.00	762	11	8382
404+85	405+08		6.00	23	11	253
406+70	406+90		6.00	20	11	220
408+10	408+40		6.00	30	11	330
417+40	418+16		4.50	76	11	836
429+80	429+96		6.50	16	11	176
430+45	430+64		7.00	19	11	209
432+60	432+85		7.50	25	11	275
437+10	437+23		5.00	13	11	143
441+10	441+30		3.50	20	11	220
442+35	442+48		3.50	13	11	143
443+50	443+67		4.00	17	11	187
451+90	452+01		5.00	11	11	121
453+95	454+33		5.00	38	11	418
456+35	456+60		4.50	25	11	275
457+55	457+75		4.50	20	11	220
458+60	460+98		4.50	238	11	2,618
463+90	465+22		4.00	132	11	1,452
467+10	467+37		4.00	27	11	297
469+65	469+72		4.00	7	11	77
471+00	471+07		4.00	7	11	77
473+80	474+25		4.00	45	11	495
474+75	475+67		4.00	92	11	1,012
478+95	479+51		4.00	56	11	616
479+95	480+51		4.00	56	11	616
483+25	483+67		4.00	42	11	462
484+70	484+90		4.00	20	11	220
485+67	485+74		4.50	7	11	77
486+15	486+50		4.50	35	11	385
489+70	490+50		5.50	80	11	880
Subtotal						53,988

Reconstruction Area Schedule (Eastbound Lanes)

Station		Offset from # to Center of Reconstrtuction Area (L.F.)		Length (Linear Feet)	Width (Linear Feet)	Approximate Area (Square Feet)
From	To	Left	Right			
493+45	493+76		6.50	31	11	341
498+25	498+38		7.50	13	11	143
508+90	509+18		7.50	28	11	308
520+00	520+49		5.00	49	11	539
529+00	529+04		5.00	4	11	44
531+40	531+84		5.50	44	11	484
551+35	552+22		6.00	87	11	957
$\triangle$ 555+70	556+76		6.00	106	11	1166
568+25	568+44		6.00	19	11	209
569+35	569+59		6.00	24	11	264
574+70	574+88		9.50	18	11	198
579+05	579+21		11.50	16	11	176
580+85	581+99		11.00	114	11	1,254
582+70	582+89		11.00	19	11	209
583+50	583+87		11.00	37	11	407
584+25	584+64		11.00	39	11	429
586+65	587+83		10.00	118	11	1,298
590+00	590+68		10.00	68	11	748
591+50	591+72		10.00	22	11	242
594+20	598+88		10.00	468	11	5,148
599+90	599+96		9.50	6	11	66
601+25	601+37		9.00	12	11	132
601+85	602+92		8.50	107	11	1,177
603+70	603+89		8.50	19	11	209
605+55	606+43		8.00	88	11	968
610+40	612+46		7.00	206	11	2,266
616+40	617+32		7.00	92	11	1,012
618+15	618+49		7.00	34	11	374
623+55	625+55		6.50	200	12	2,400
626+85	630+79		6.00	394	11.50	4,531
$\triangle$ Subtotal						27,699



$\triangle$ 6/4/15	Included Missing Reconstruction Area and Revised Subtotal.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RECONSTRUCTION SCHEDULE

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiwai Bridge
Federal Aid Project No. NH-083-K072)

Date: May, 2015

SHEET No. 1 OF 3 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

Reconstruction Area Schedule (Eastbound Lanes)						
Station		Offset from # to Center of Reconstrtuction Area (L.F.)		Length (Linear Feet)	Width (Linear Feet)	Approximate Area (Square Feet)
From	To	Left	Right			
⚠ 632+20	632+40		6.00	20	11	220
633+25	633+41		6.00	16	11	176
634+80	635+05		5.50	25	11	275
636+50	637+24		5.50	74	11	814
637+95	639+99		5.50	204	11 to 12	2,267
641+05	641+37		4.00	32	12	384
643+95	644+66		4.50	71	12	852
646+05	650+79		4.00	474	11	5,214
651+40	653+30		2.50	190	11	2,090
654+20	654+49		4.50	29	11	319
655+15	655+94		4.00	79	11	869
659+50	661+16		4.50	166	11	1,826
661+55	661+72		3.50	17	11	187
665+65	673+09	3.00		744	11	8,184
673+80	682+30	4.00		850	11	9,350
682+95	1491+65		0	142	12	1,704
1487+65	1487+37		2.00	28	12	336
1486+65	1483+18		3.00	347	12	4,164
1482+25	1481+85		5.50	40	12	480
1481+15	1481+07		6.50	8	12	96
1480+20	1478+88		7.50	132	12	1,584
1478+20	1478+01		9.00	19	12	228
1477+15	1474+89		8.50	226	11	2,486
1470+90	1470+63		8.00	27	11	297
1455+65	1454+57		6.00	108	11	1,188
1453+45	1448+09		5.50	536	11	5,896
1447+40	1447+24		4.50	16	11	176
1433+45	1433+24		3.50	21	11	231
1432+45	1430+59		3.50	186	11	2,046
				⚠	Subtotal	53,939
Subtotal Column 1						53,988
⚠ Subtotal Column 2						27,699
⚠ Subtotal Column 3						53,939
⚠ Grand Total for Eastbound Lanes						135,626

Reconstruction Area Schedule (Westbound Lanes)						
Station		Offset from # to Center of Reconstrtuction Area (L.F.)		Length (Linear Feet)	Width (Linear Feet)	Approximate Area (Square Feet)
From	To	Left	Right			
347+90	352+13	7.00		423	11	4,653
353+55	358+20	7.00		465	11	5,115
361+10	366+46	7.00		536	11	5,896
368+55	374+08	7.00		553	11	6,083
376+10	376+40	6.50		30	11	330
377+60	378+05	6.00		45	11	495
379+85	380+04	6.00		19	11	209
381+10	381+26	5.50		16	11	176
381+95	382+50	5.50		55	11	605
384+70	385+11	5.50		41	11	451
387+75	387+98	5.00		23	11	253
388+85	389+29	5.00		44	11	484
399+25	401+29	5.00		204	11	2,244
403+50	404+06	5.00		56	11	616
404+60	404+85	5.00		25	11	275
405+95	409+45	5.00		350	11	3,850
431+00	431+42	4.00		42	11	462
432+60	432+85	3.50		25	11	275
433+95	434+24	3.50		29	11	319
439+25	439+41	8.00		16	11	176
444+30	444+43	7.00		13	11	143
446+65	446+82	6.50		17	11	187
447+85	448+00	6.00		15	11	165
456+35	456+60	6.50		25	11	275
459+30	459+41	6.50		11	11	121
460+70	461+12	6.50		42	11	462
461+20	461+98	7.00		78	11	858
469+65	469+72	7.00		7	11	77
470+35	470+40	7.00		5	11	55
483+25	483+67	7.00		42	11	462
Subtotal						35,772

SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	
DESIGNED BY _____	
QUANTITIES BY _____	
CHECKED BY _____	
ORIGINAL PLAN	No. _____
NOTE BOOK	

⚠	6/4/15	Added # Sta. 632+20-632+40 Reconstruction Area Information. Revised Subtotal for Column 2, 3 & Grand Total for Eastbound Lanes.
DATE	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

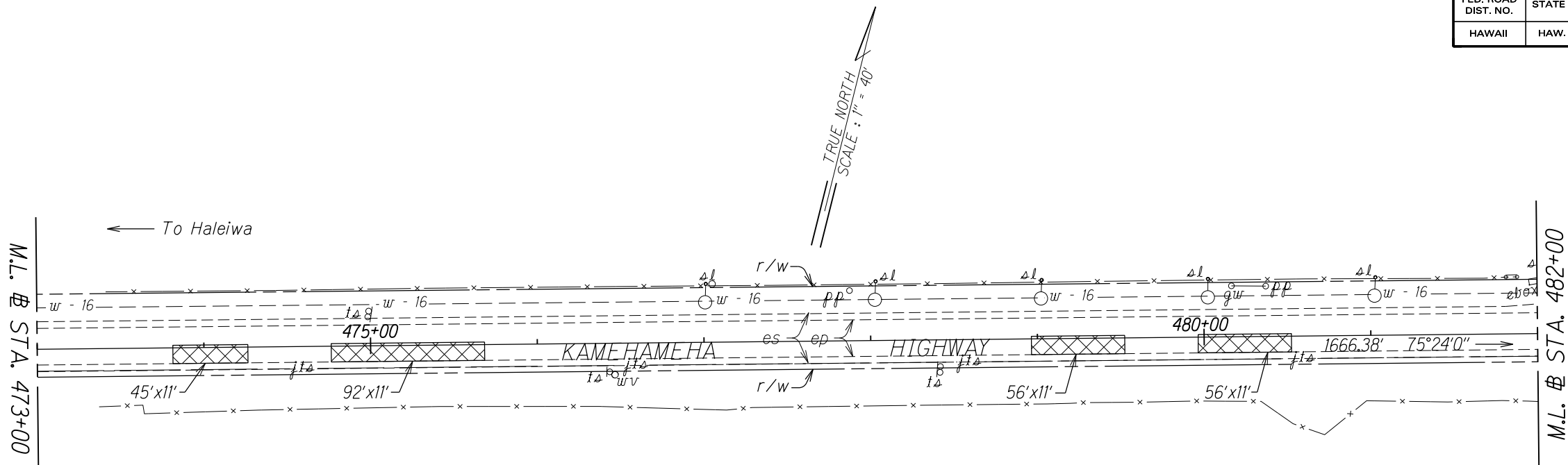
RECONSTRUCTION SCHEDULE

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiwai Bridge
Federal Aid Project No. NH-083-K072

Date: May, 2015

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 33	107



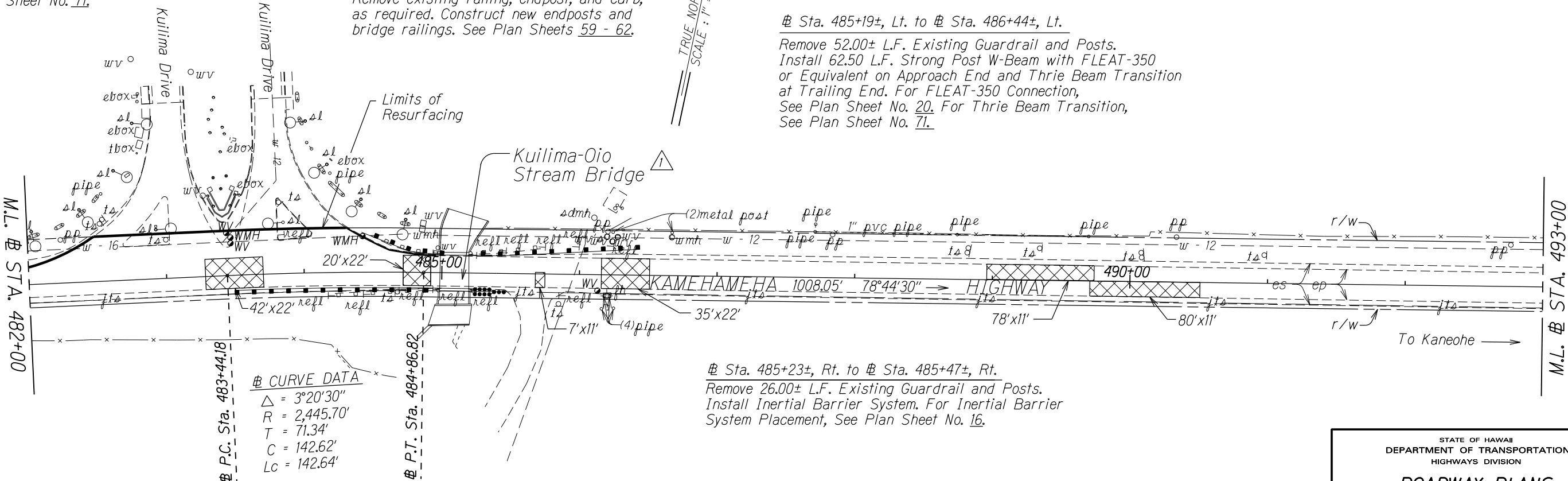
Sta. 484+42±, Lt. to Sta. 485+01±, Lt.

Remove 52.00± L.F. Existing Guardrail and Posts.
Install Thrie Beam Transition at Approach End and
Transition Directly to FLEAT-350 or Equivalent at
Trailing End. For FLEAT-350 Connection, See Plan
Sheet No. 20. For Thrie Beam Transition, See
Plan Sheet No. 71.

Sta. 485+01±, Lt. to Sta. 485+19±, Lt.
Sta. 484+99±, Rt. to Sta. 485+25±, Rt.
Remove existing railing, endpost, and curb,
as required. Construct new endposts and
bridge railings. See Plan Sheets 59 - 62.

Sta. 485+19±, Lt. to Sta. 486+44±, Lt.

Remove 52.00± L.F. Existing Guardrail and Posts.
Install 62.50 L.F. Strong Post W-Beam with FLEAT-350
or Equivalent on Approach End and Thrie Beam Transition
at Trailing End. For FLEAT-350 Connection,
See Plan Sheet No. 20. For Thrie Beam Transition,
See Plan Sheet No. 71.



CURVE DATA
 $\Delta = 3^{\circ}20'30''$
 $R = 2,445.70'$
 $T = 71.34'$
 $C = 142.62'$
 $LC = 142.64'$

Sta. 483+49±, Rt. to Sta. 484+99±, Rt.

Remove 75.00± L.F. Existing Guardrail and Posts.
Install 75.00 L.F. Strong Post W-Beam with
SKT-350 or Equivalent on Approach End and Thrie
Beam Transition at Trailing End. For SKT-350
connection, See Plan Sheet No. 19. For
Thrie Beam Transition, See Plan Sheet No. 71.

Sta. 484+93± to Sta. 484+99±
Sta. 485+24± to Sta. 485+30±
New Concrete Approach Slab,
See Plan Sheet No. 59.

Sta. 485+23±, Rt. to Sta. 485+47±, Rt.
Remove 26.00± L.F. Existing Guardrail and Posts.
Install Inertial Barrier System. For Inertial Barrier
System Placement, See Plan Sheet No. 16.

6/4/15 Labeled Kuilima-Oio Stream Bridge

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal-Aid Project No. NH-083-1(072)

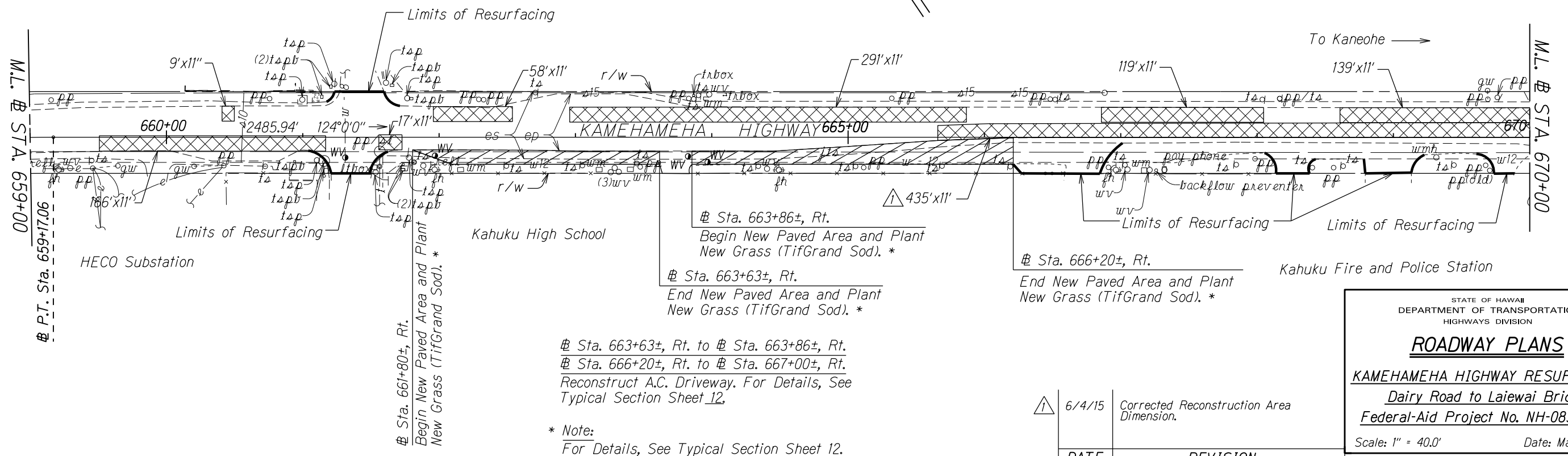
Scale: 1" = 40.0' Date: May, 2015

SHEET No. 7 OF 20 SHEETS

ADD. 33

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

	①	②	③	④	⑤	⑥
$\triangle$	$125^{\circ} 36'51''$	$146^{\circ} 36'51''$	$110^{\circ} 04'15''$	$153^{\circ} 15'58''$	$93^{\circ} 40'22''$	$149^{\circ} 16'01''$
R	$1.0'$	$1.0'$	$1.0'$	$1.0'$	$3.0'$	$1.0'$
T	$1.96'$	$3.33'$	$1.43'$	$4.21'$	$3.20'$	$3.64'$
C	$1.78'$	$1.92'$	$1.64'$	$1.95'$	$4.38'$	$1.93'$
LC	$2.20'$	$2.56'$	$1.92'$	$2.68'$	$4.90'$	$2.61'$



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

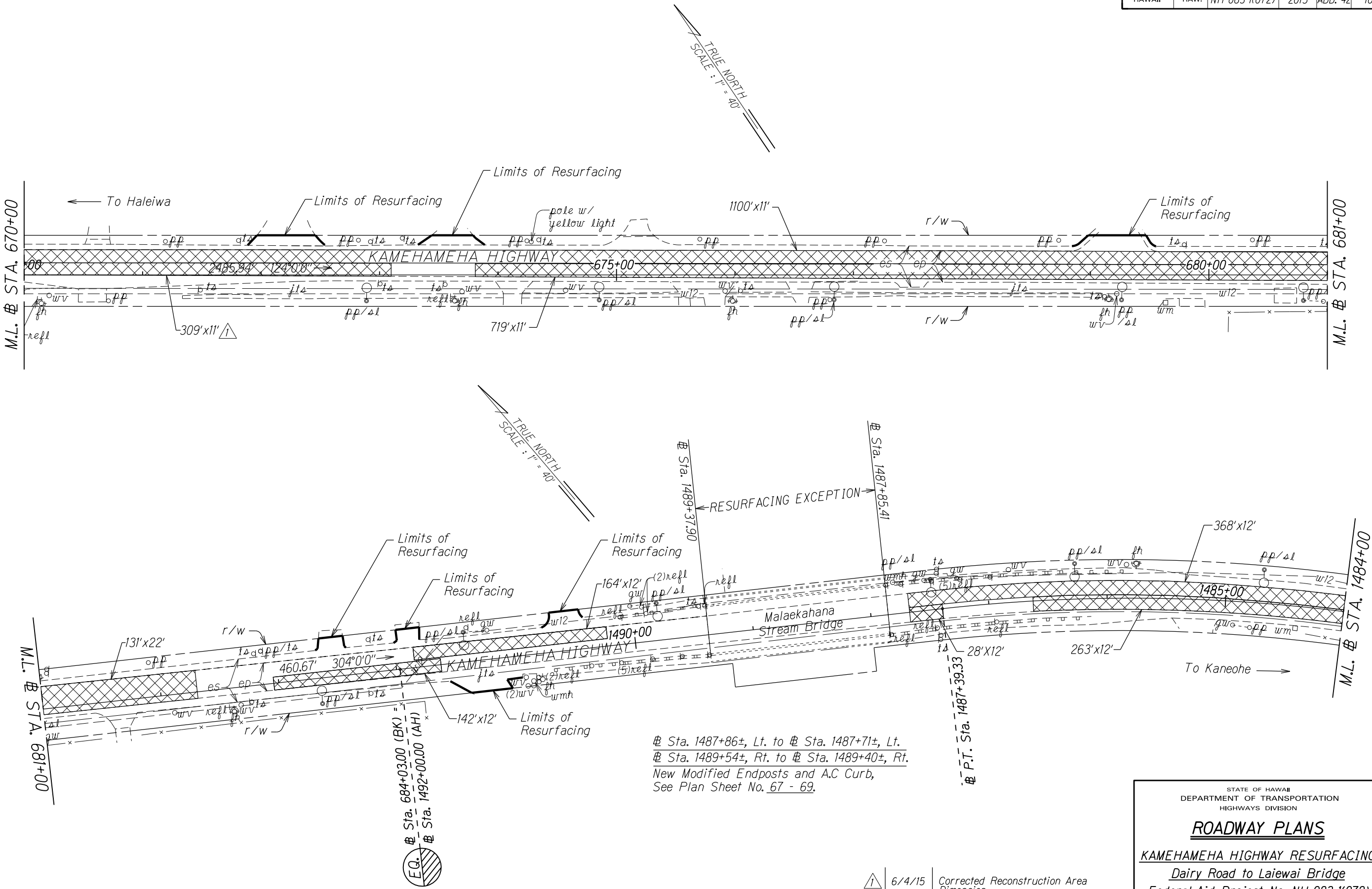
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal-Aid Project No. NH-083-1(K072)

Scale: 1" = 40.0' Date: May, 2015

SHEET No. 15 OF 20 SHEETS

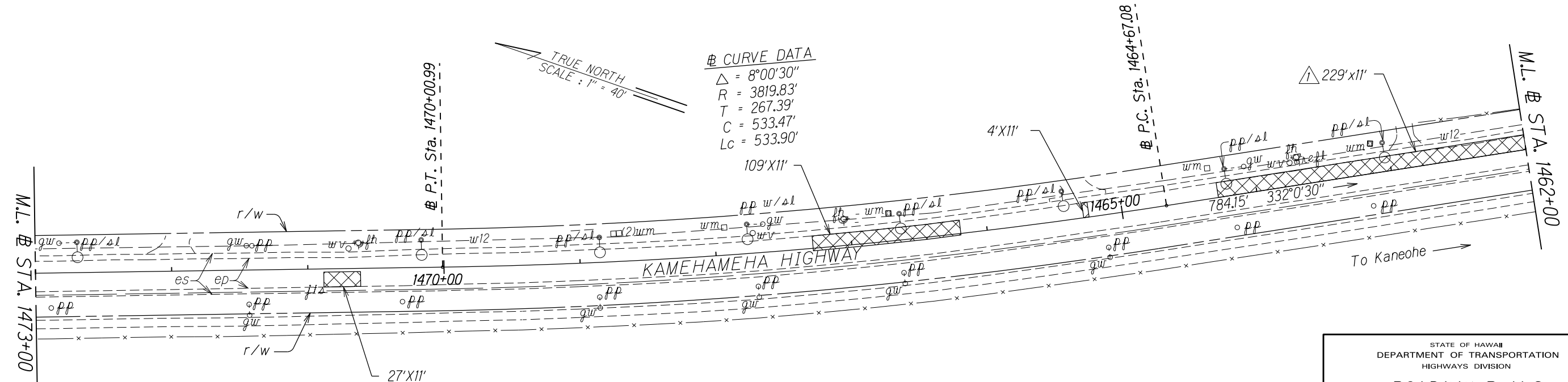
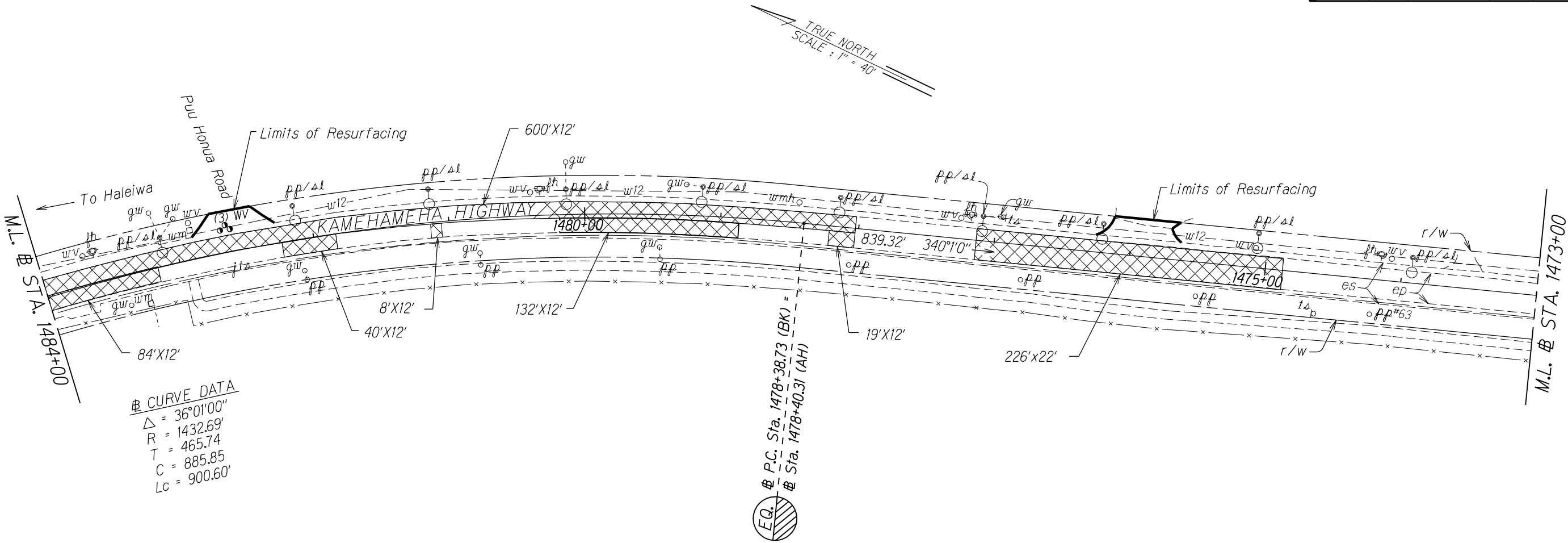
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 42	107



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	No.
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 43	107



DATE	6/4/15	Corrected Reconstruction Area Dimension.
DATE	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

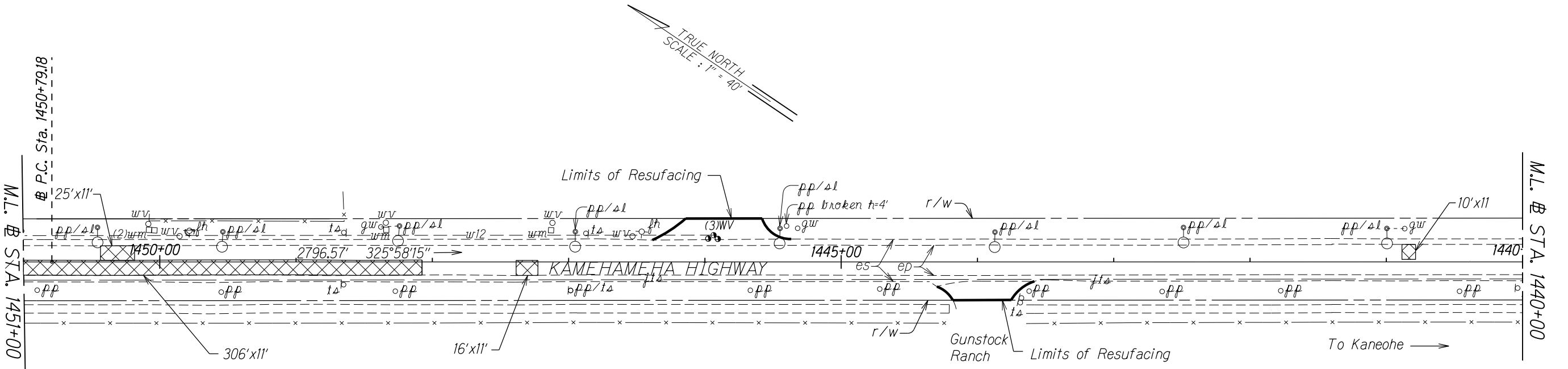
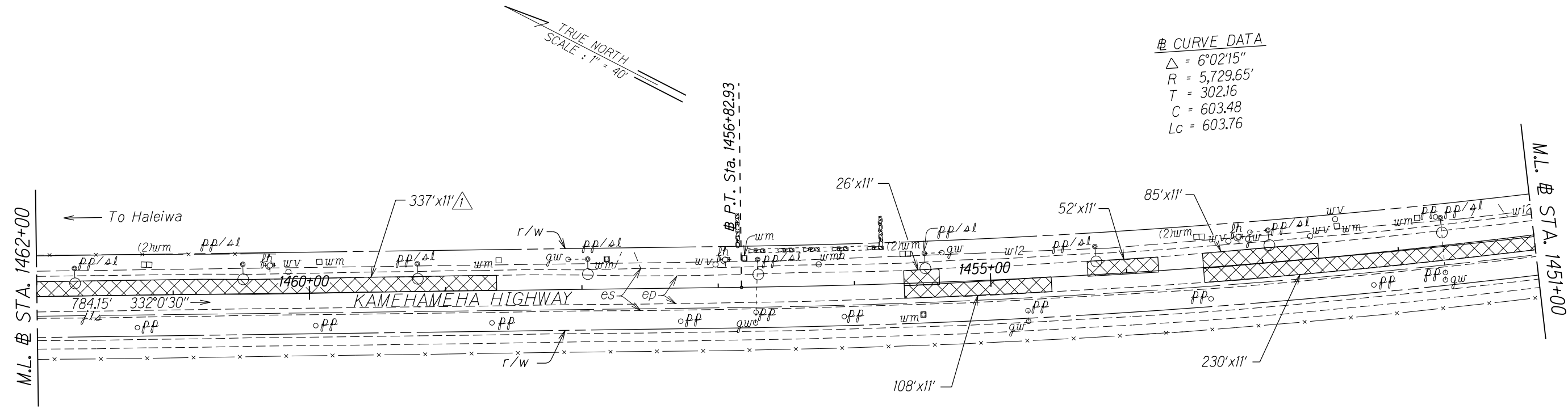
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal-Aid Project No. NH-083-1(072)

Scale: 1" = 40.0' Date: May, 2015

SHEET No. 17 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 44	107



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

1	6/4/15	Corrected Reconstruction Area Dimension.
DATE	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

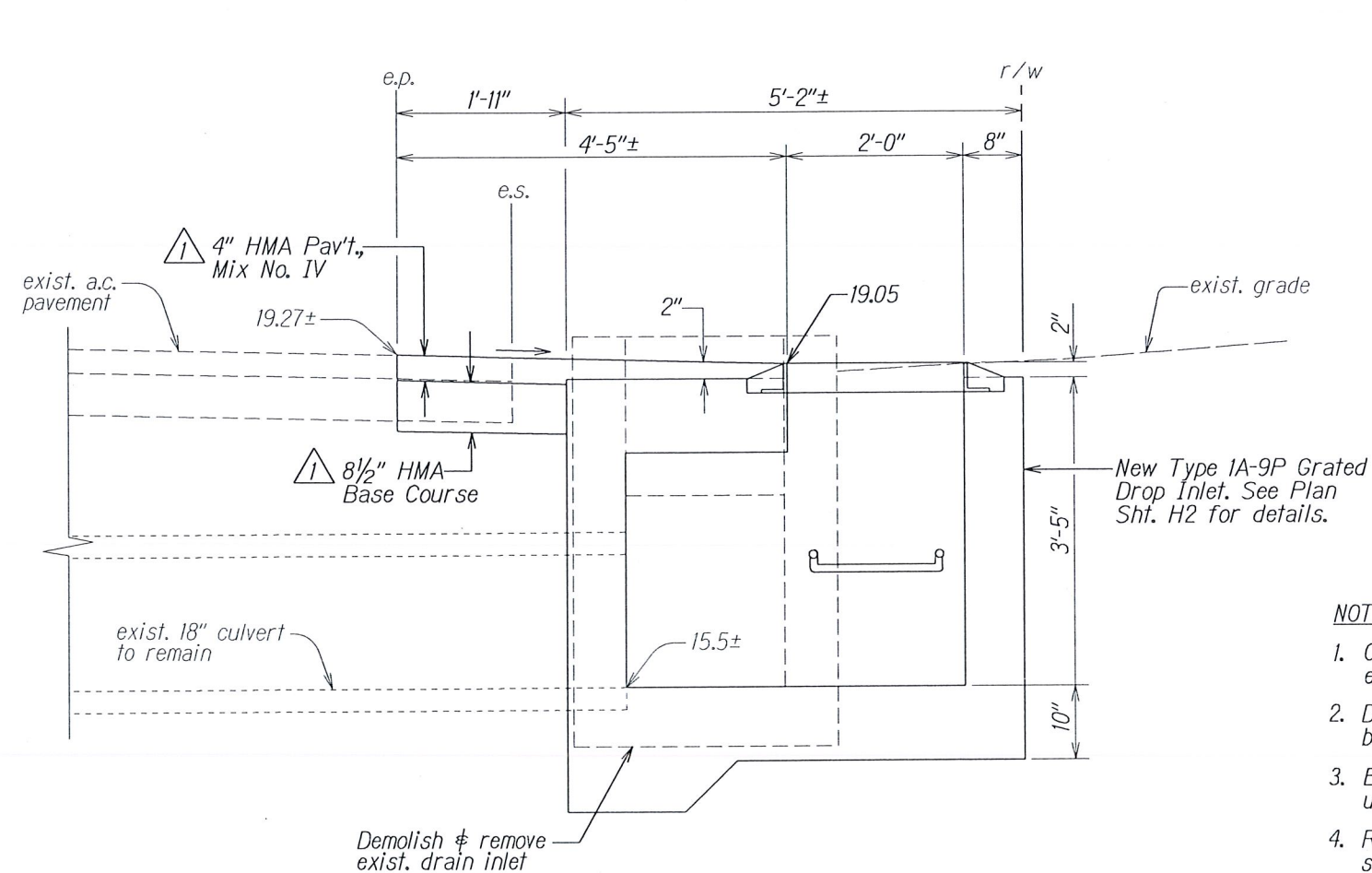
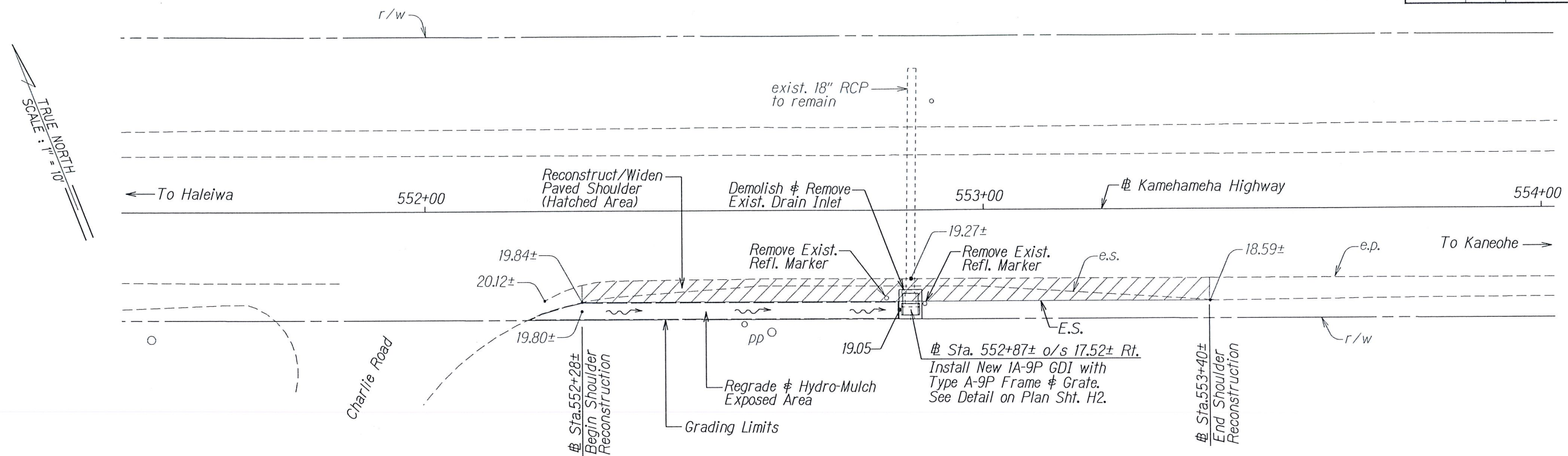
KAMEHAMEHA HIGHWAY RESURFACING

Dairy Road to Laiawai Bridge

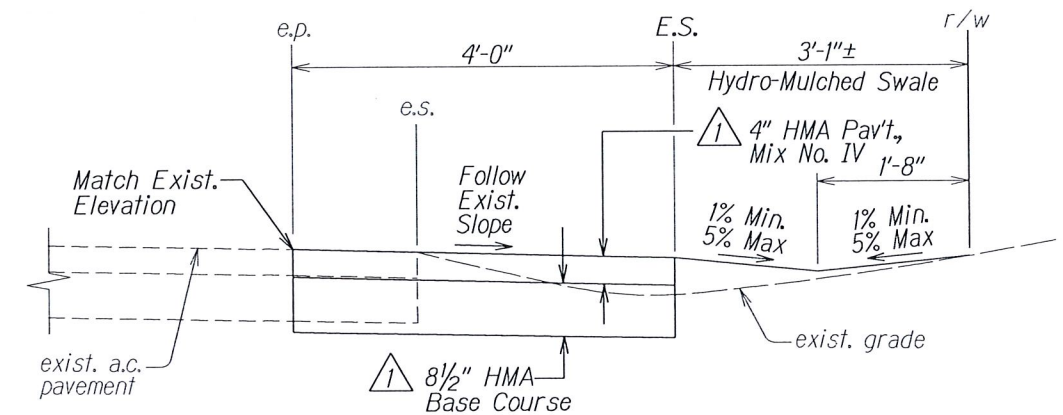
Federal-Aid Project No. NH-083-1(072)

Scale: 1" = 40.0' Date: May, 2015

SHEET No. 18 OF 20 SHEETS



SHOULDER CONSTRUCTION AT INLET LOCATION
Scale: 1"=1'-0"



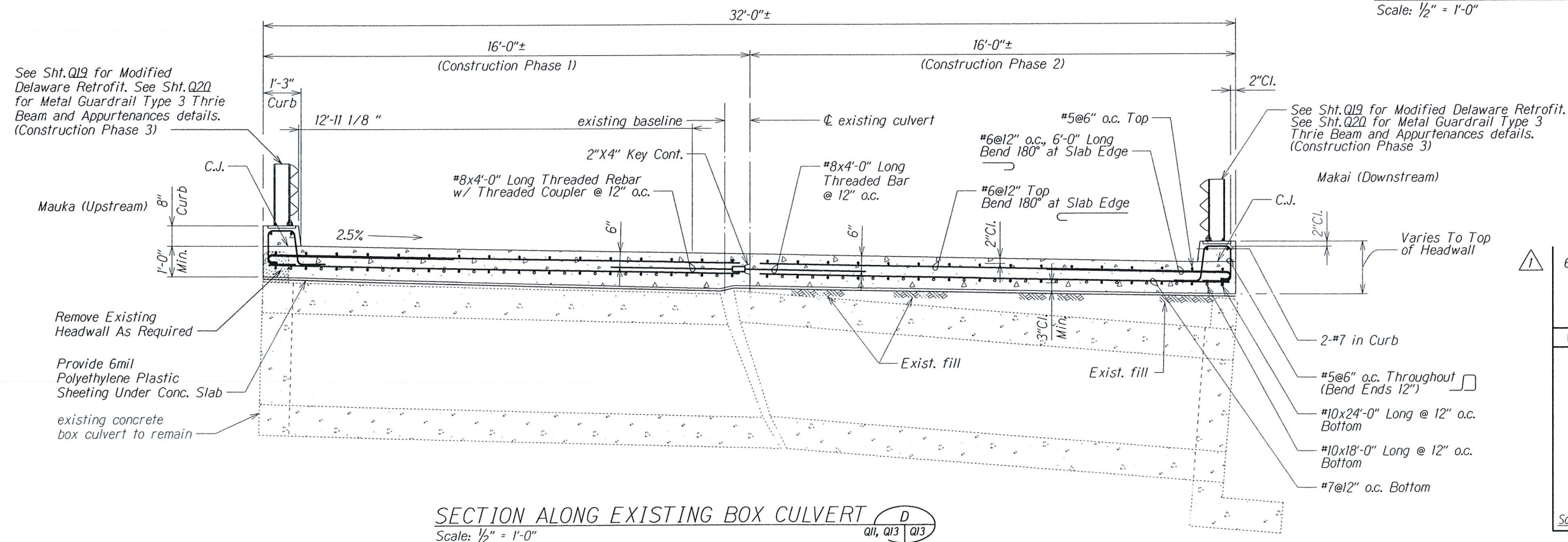
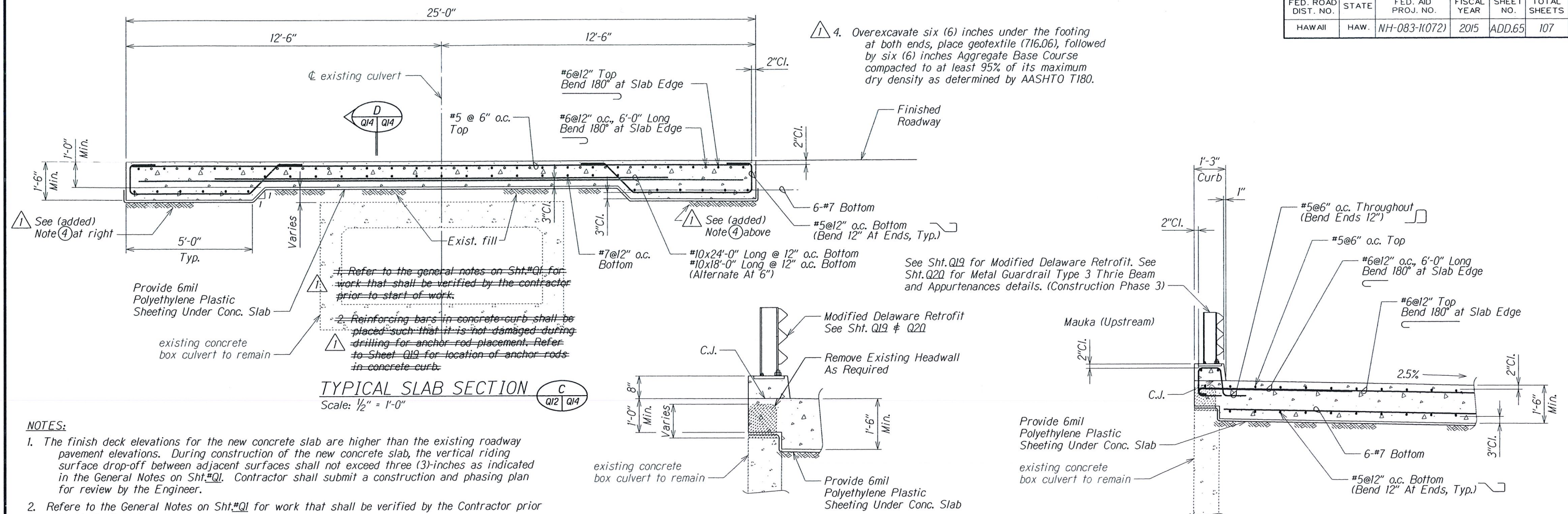
TYPICAL SECTION SHOULDER & SWALE CONSTRUCTION
Scale: 1"=1'-0"

NOTES:

- Contractor shall verify in the field the actual distance between end of existing 18" reinforced concrete pipe and the State R/W.
- Demolishing, removing and disposing of existing paved shoulder shall be paid for under contract Item No. 203.0100 - Roadway Excavation.
- Excavation for new or widened paved shoulder shall be paid for under contract Item No. 203.0100 - Roadway Excavation.
- Regrading, including excavation and backfilling, for the new grassed swale shall be paid for under contract Item No. 641.0100 - Hydro-Mulch Seeding.
- Demolishing, removing and disposing of existing drain inlet and reflector marker with post shall be considered incidental to contract Item No. 604.0310 - Type 1A-9P Grated Drop Inlet.

1	6/1/15	Revised Thicknesses of HMA Pav't, Mix No. IV and HMA Base Course
	DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
DRAINAGE PLAN & DETAILS		
KAMEHAMEHA HIGHWAY RESURFACING		
Dairy Road to Laiewai Bridge		
Federal-Aid Project No. NH-083-(K072)		
Scale: As Shown		Date: May, 2015
SHEET No. H1 OF 2 SHEETS		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD.65	107



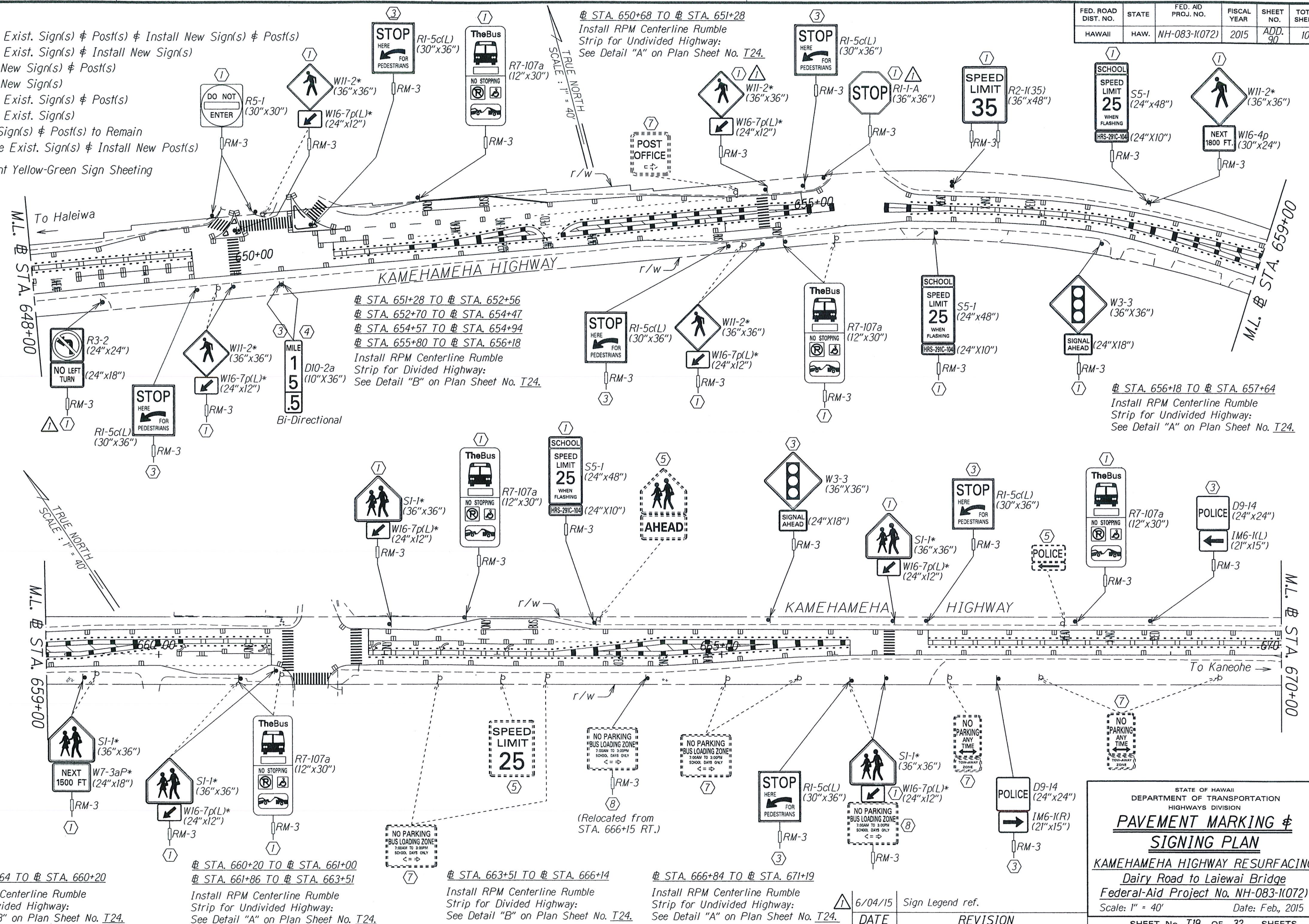
6/1/15	Added Note 4 re: Overexcavate Delete Notes 1 & 2 in Typical Slab Section "C", (repeat of Notes 2 & 3 below Section "C").
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
BOX CULVERT @ STA. 560+82	
SECTION & DETAILS	
KAMEHAMEHA HIGHWAY RESURFACING	
DAIRY ROAD TO LAIEWAI BRIDGE	
FED. AID PROJ. NO. NH-083-1(072)	
Scale: As Noted	Date: May, 2015
SHEET No. Q14 OF 20 SHEETS	

KEY:

- ① Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
- ② Remove Exist. Sign(s) & Install New Sign(s)
- ③ Install New Sign(s) & Post(s)
- ④ Install New Sign(s)
- ⑤ Remove Exist. Sign(s) & Post(s)
- ⑥ Remove Exist. Sign(s)
- ⑦ Exist. Sign(s) & Post(s) to Remain
- ⑧ Relocate Exist. Sign(s) & Install New Post(s)

*Fluorescent Yellow-Green Sign Sheeting

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 90	107



DATE	
SURVEY PLOTTED BY	
DRAWN BY	
NOTED BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTED BOOK	
NOTED DATE	
NOTED BY	
NOTED DATE	
NOTED BY	
NOTED DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal-Aid Project No. NH-083-1(072)
Scale: 1" = 40' Date: Feb, 2015

SHEET No. T19 OF 32 SHEETS

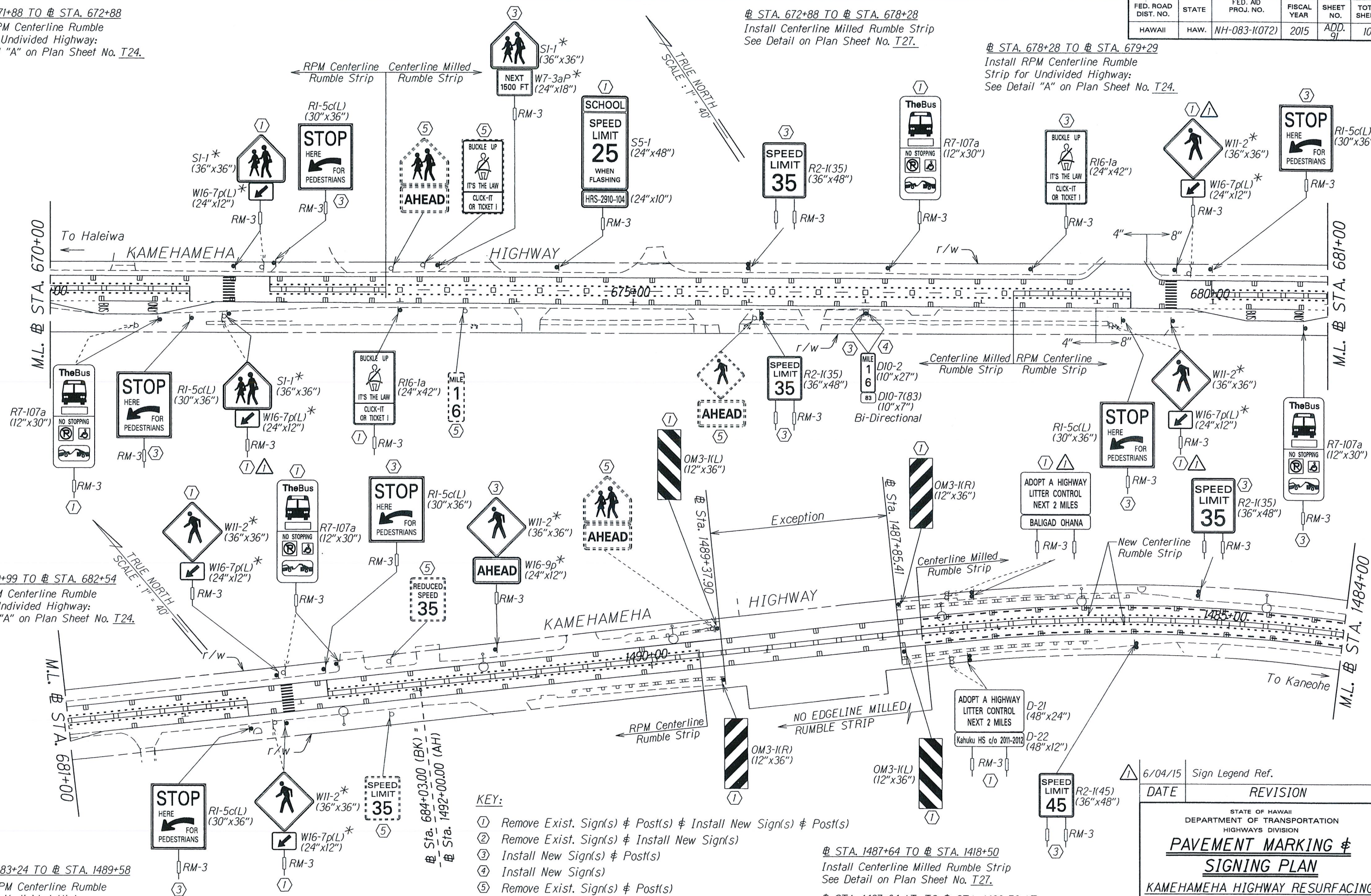
DATE	6/04/15	Sign Legend ref.
DATE		REVISION

STA. 671+88 TO # STA. 672+88
Install RPM Centerline Rumble
Strip for Undivided Highway:
See Detail "A" on Plan Sheet No. T24.

STA. 672+88 TO # STA. 678+28
Install Centerline Milled Rumble Strip
See Detail on Plan Sheet No. T27.

STA. 678+28 TO # STA. 679+29
Install RPM Centerline Rumble
Strip for Undivided Highway:
See Detail "A" on Plan Sheet No. T24.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 91	107



STA. 679+99 TO # STA. 682+54
Install RPM Centerline Rumble
Strip for Undivided Highway:
See Detail "A" on Plan Sheet No. T24.

STA. 683+24 TO # STA. 1489+58
Install RPM Centerline Rumble
Strip for Undivided Highway:
See Detail "A" on Plan Sheet No. T24.

* Fluorescent Yellow-Green Sign Sheeting

KEY:

- Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
- Remove Exist. Sign(s) & Install New Sign(s)
- Install New Sign(s) & Post(s)
- Install New Sign(s)
- Remove Exist. Sign(s) & Post(s)
- Remove Exist. Sign(s)
- Exist. Sign(s) & Post(s) to Remain
- Relocate Exist. Sign(s) & Install New Post(s)

STA. 1487+64 TO # STA. 1418+50
Install Centerline Milled Rumble Strip
See Detail on Plan Sheet No. T27.

STA. 1487+64 LT. TO # STA. 1436+73 LT.
Install Edgeline Milled Rumble Strip

STA. 1487+64 RT. TO # STA. 1444+57 RT.
Install Edgeline Milled Rumble Strip

6/04/15 Sign Legend Ref.

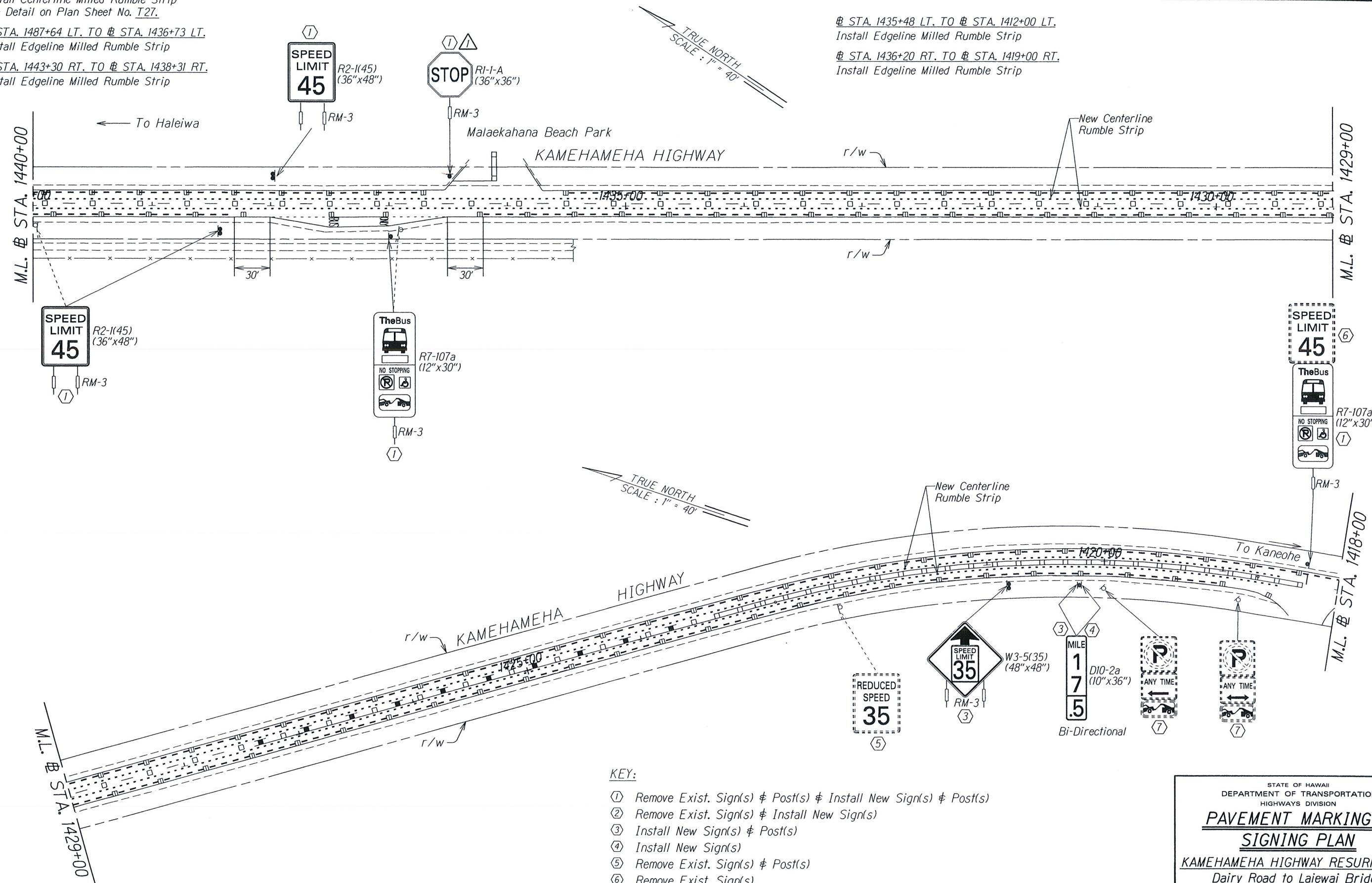
DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
KAMEHAMEHA HIGHWAY RESURFACING Dairy Road to Laiwai Bridge Federal-Aid Project No. NH-083-1(072)
Scale: 1" = 40' Date: Feb., 2015
SHEET No. T20 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2015	ADD. 94	107

⊕ STA. 1487+64 TO ⊕ STA. 1418+50
Install Centerline Milled Rumble Strip
See Detail on Plan Sheet No. T27.
⊕ STA. 1487+64 LT. TO ⊕ STA. 1436+73 LT.
Install Edgeline Milled Rumble Strip
⊕ STA. 1443+30 RT. TO ⊕ STA. 1438+31 RT.
Install Edgeline Milled Rumble Strip

⊕ STA. 1435+48 LT. TO ⊕ STA. 1412+00 LT.
Install Edgeline Milled Rumble Strip
⊕ STA. 1436+20 RT. TO ⊕ STA. 1419+00 RT.
Install Edgeline Milled Rumble Strip



- KEY:
- ① Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
 - ② Remove Exist. Sign(s) & Install New Sign(s)
 - ③ Install New Sign(s) & Post(s)
 - ④ Install New Sign(s)
 - ⑤ Remove Exist. Sign(s) & Post(s)
 - ⑥ Remove Exist. Sign(s)
 - ⑦ Exist. Sign(s) & Post(s) to Remain
 - ⑧ Relocate Exist. Sign(s) & Install New Post(s)

DATE	6/04/15	Sign Legend Ref.
DATE		REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal-Aid Project No. NH-083-1(072)
Scale: 1" = 40' Date: Feb, 2015

SHEET No. T23 OF 32 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	