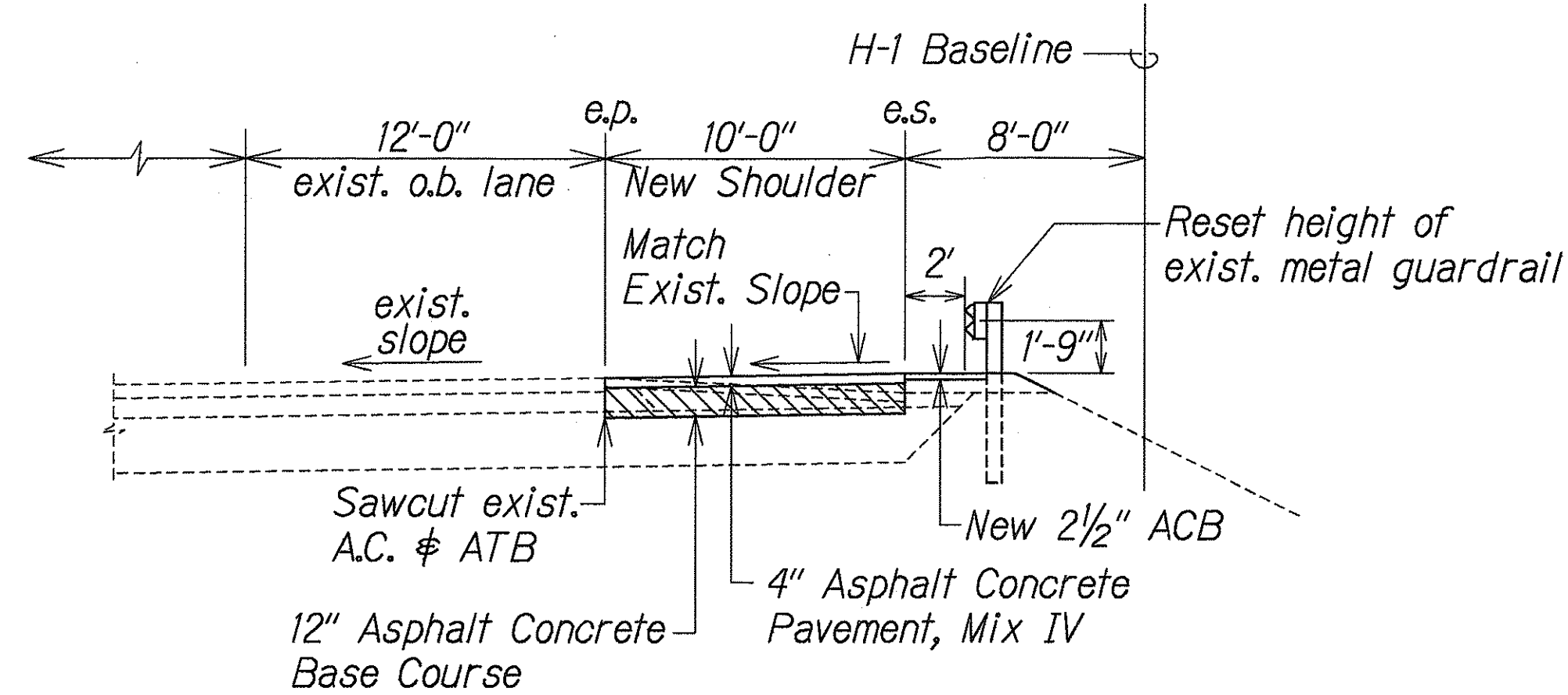
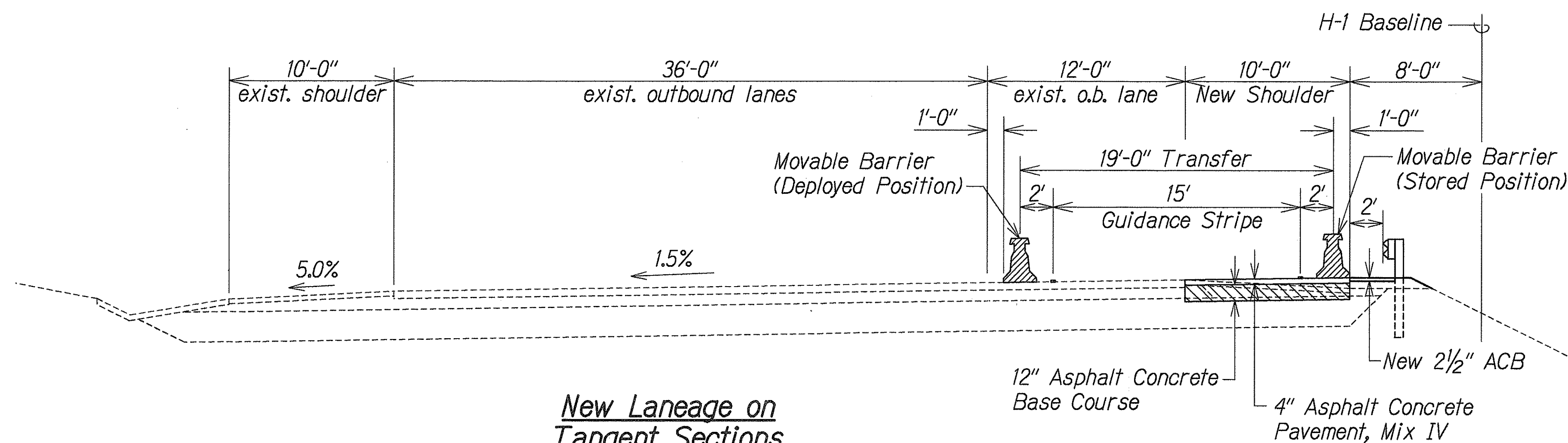


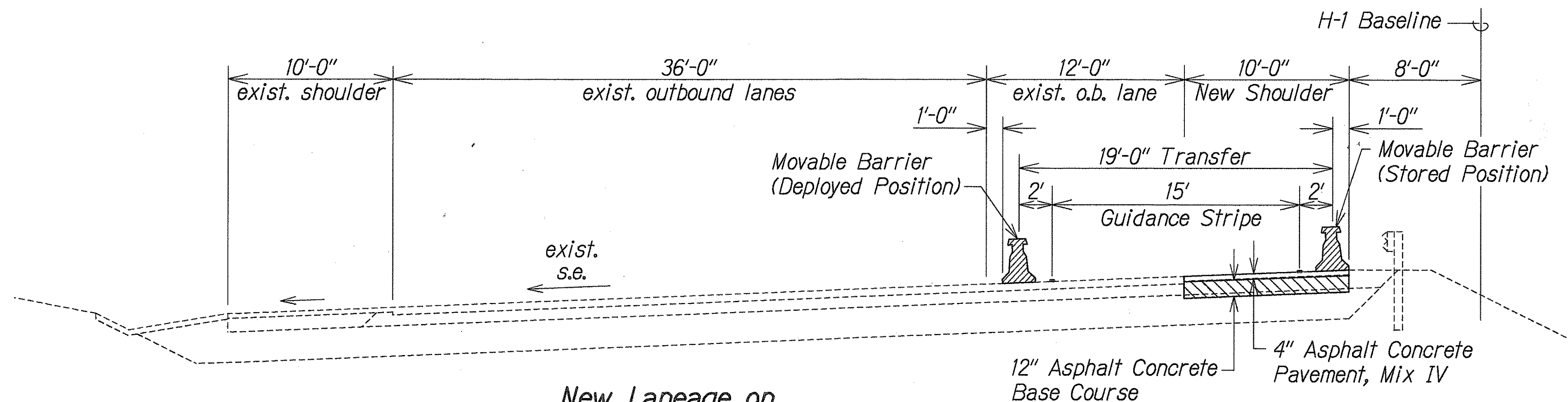
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 4	344



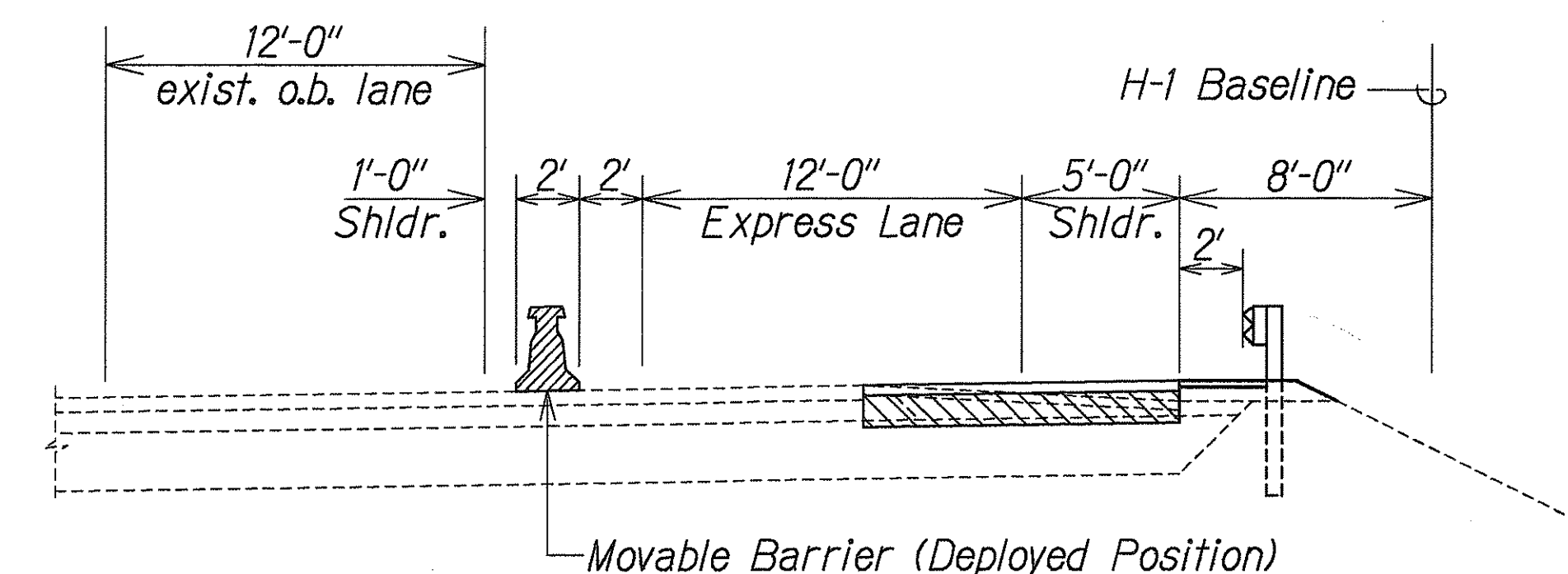
Typical Shoulder Reconstruction



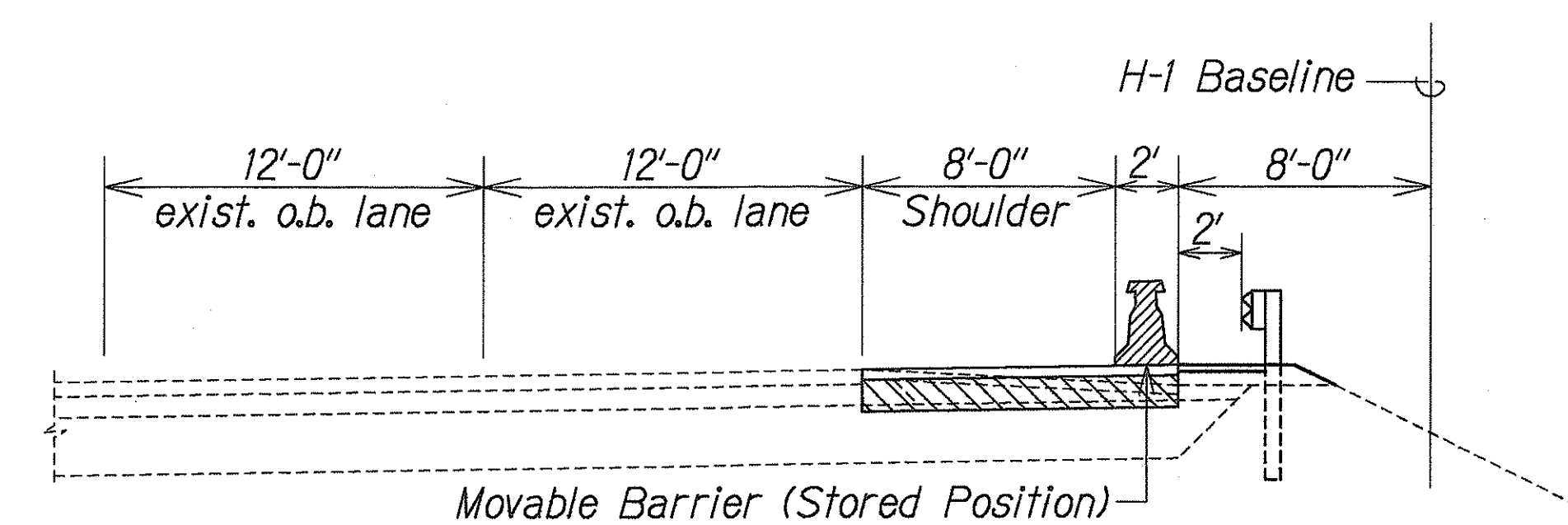
New Laneage on Tangent Sections



New Laneage on Superelevated Sections



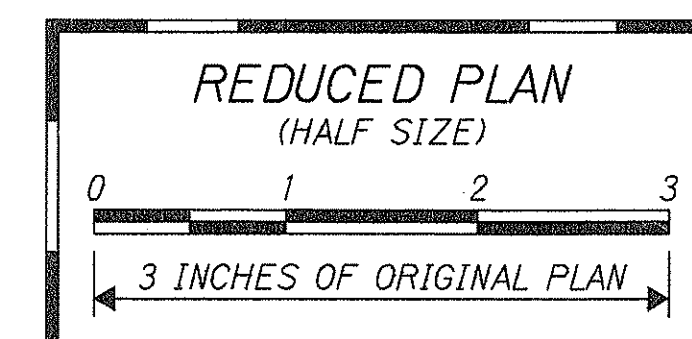
Laneage During Operation



Laneage During Non-Operation

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NOTE BOOK	
NO.	

H-1 @ Sta. 386+00 to H-1 @ Sta. 466+45± (BK.) = @ Sta. 472+00 (AHD.)
Scale: 1" = 5'-0"



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DATE: 10/1/97
FOR: HAWAIIAN HIGHWAYS
BY: PARK ENGINEERING

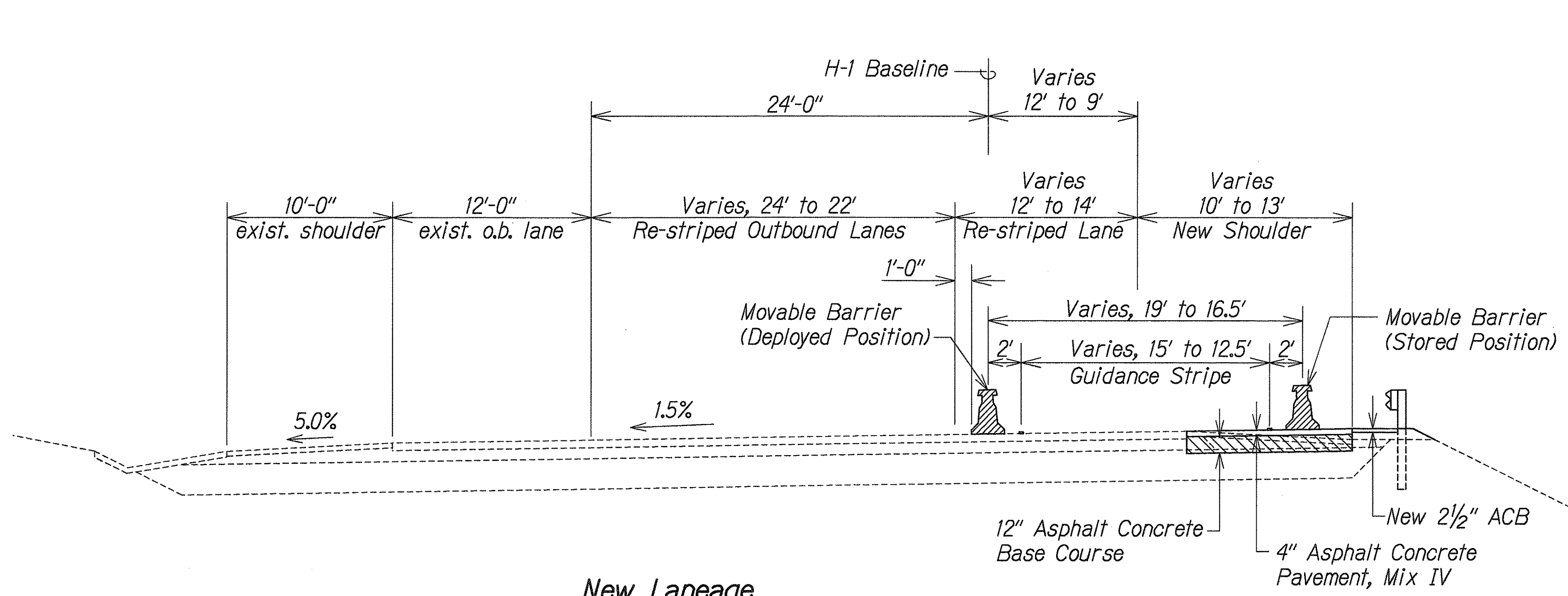
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

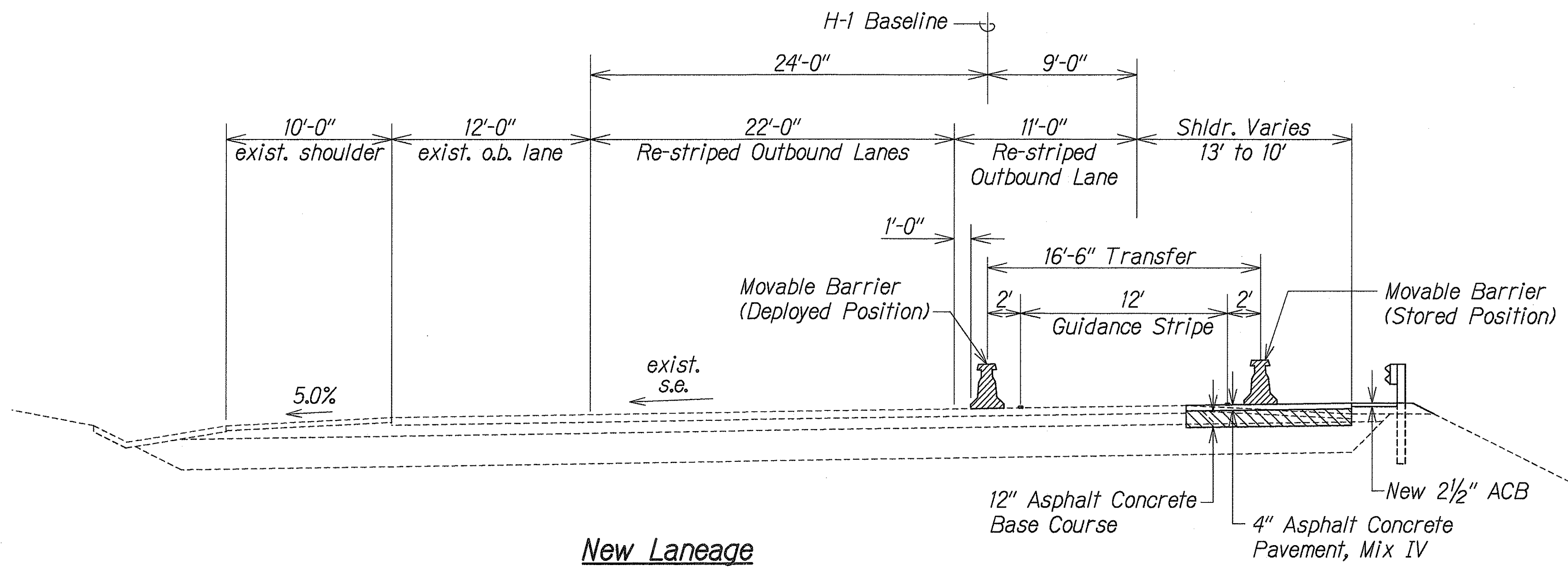
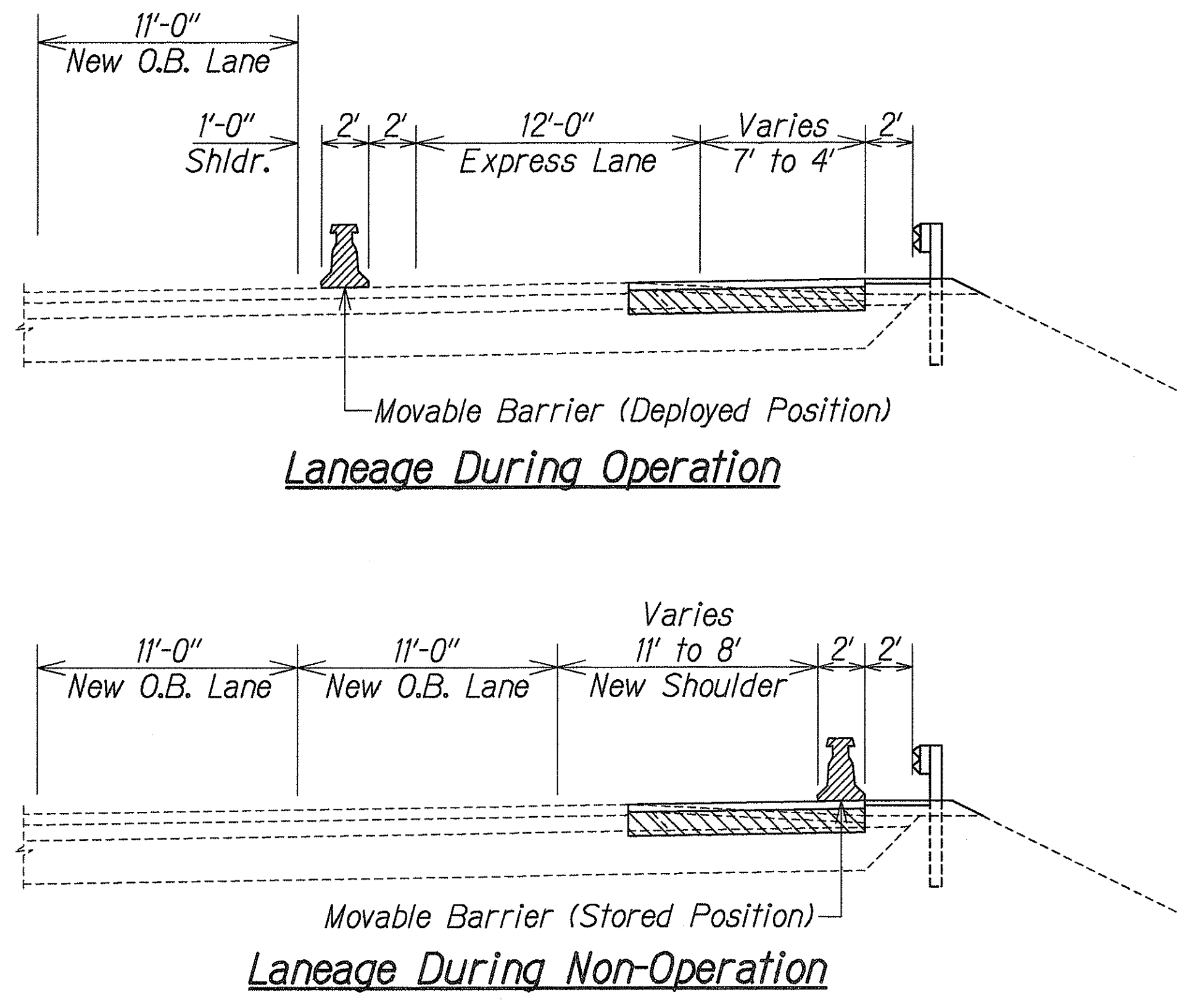
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keahi Interchange
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: October, 1997
SHEET No. 71 OF 21 SHEETS

5/21/98	Revised Guidance Wire Loop to Thermoplastic Extrusion Guidance Stripes.
DATE	REVISION

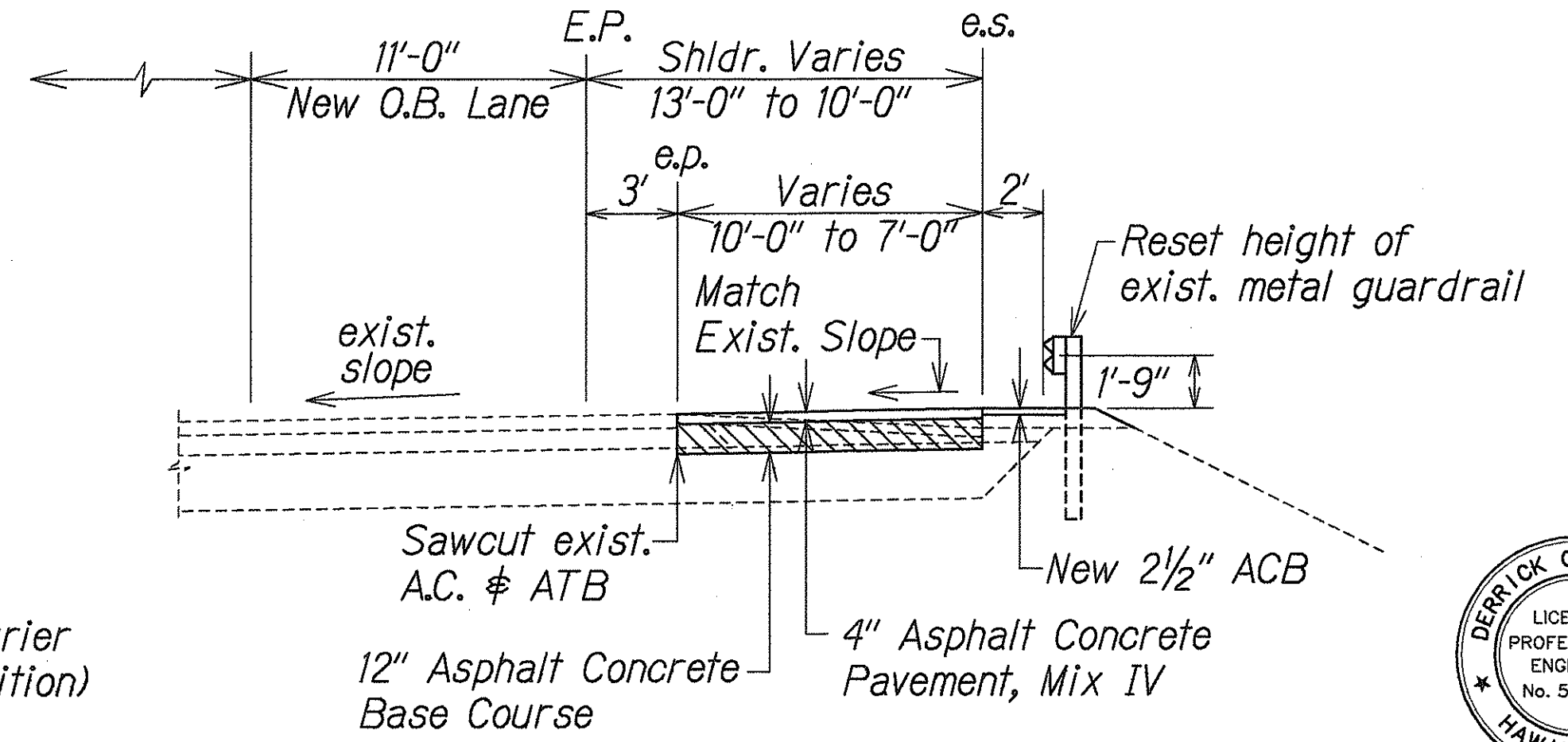
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 5	344



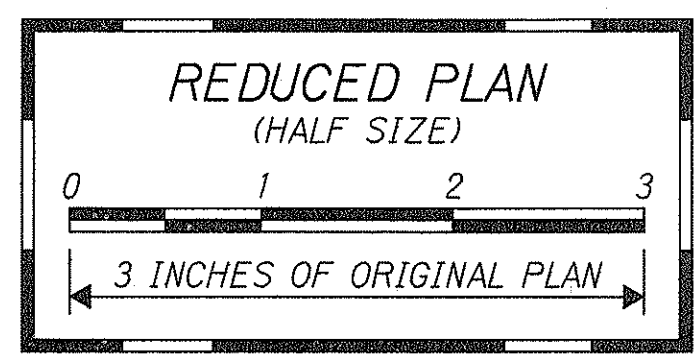
New Laneage
H-1 Outbound Φ Sta. 472+00 to Φ Sta. 475+50
Scale: 1" = 5'-0"



New Laneage
H-1 Outbound Φ Sta. 475+50 to Φ Sta. 484+00
Scale: 1" = 5'-0"



Typical Shoulder Reconstruction



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5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Strips.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

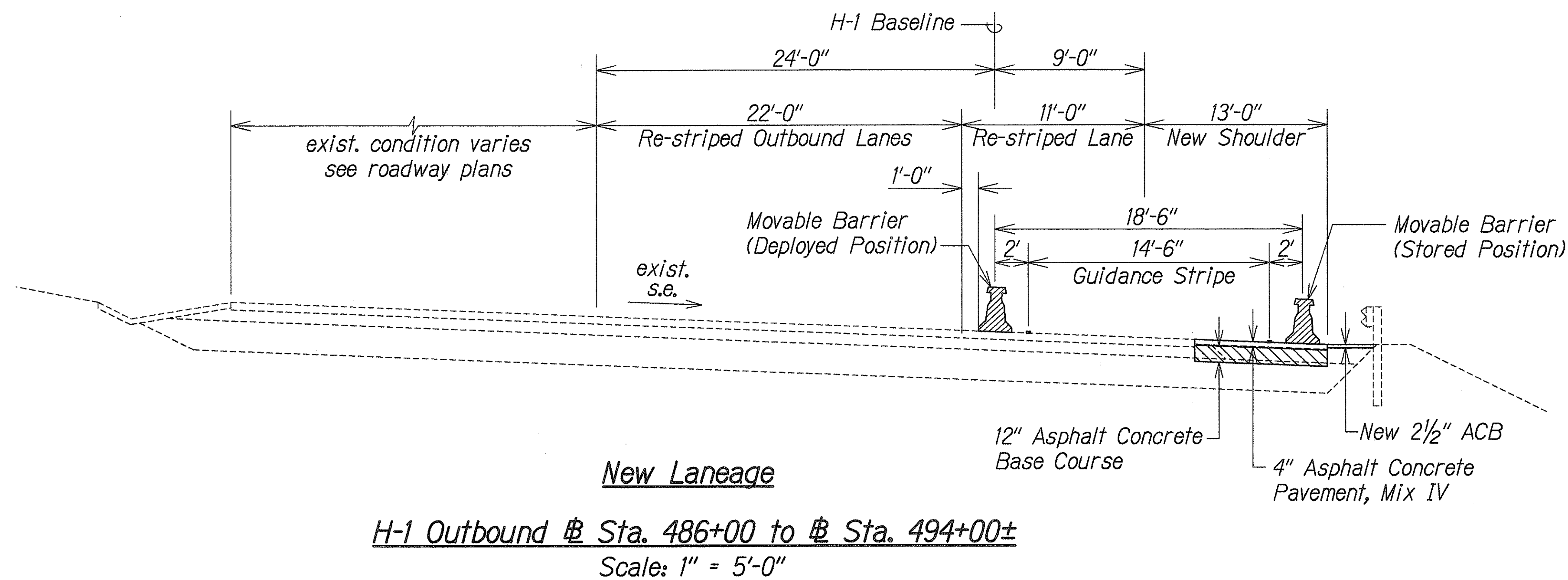
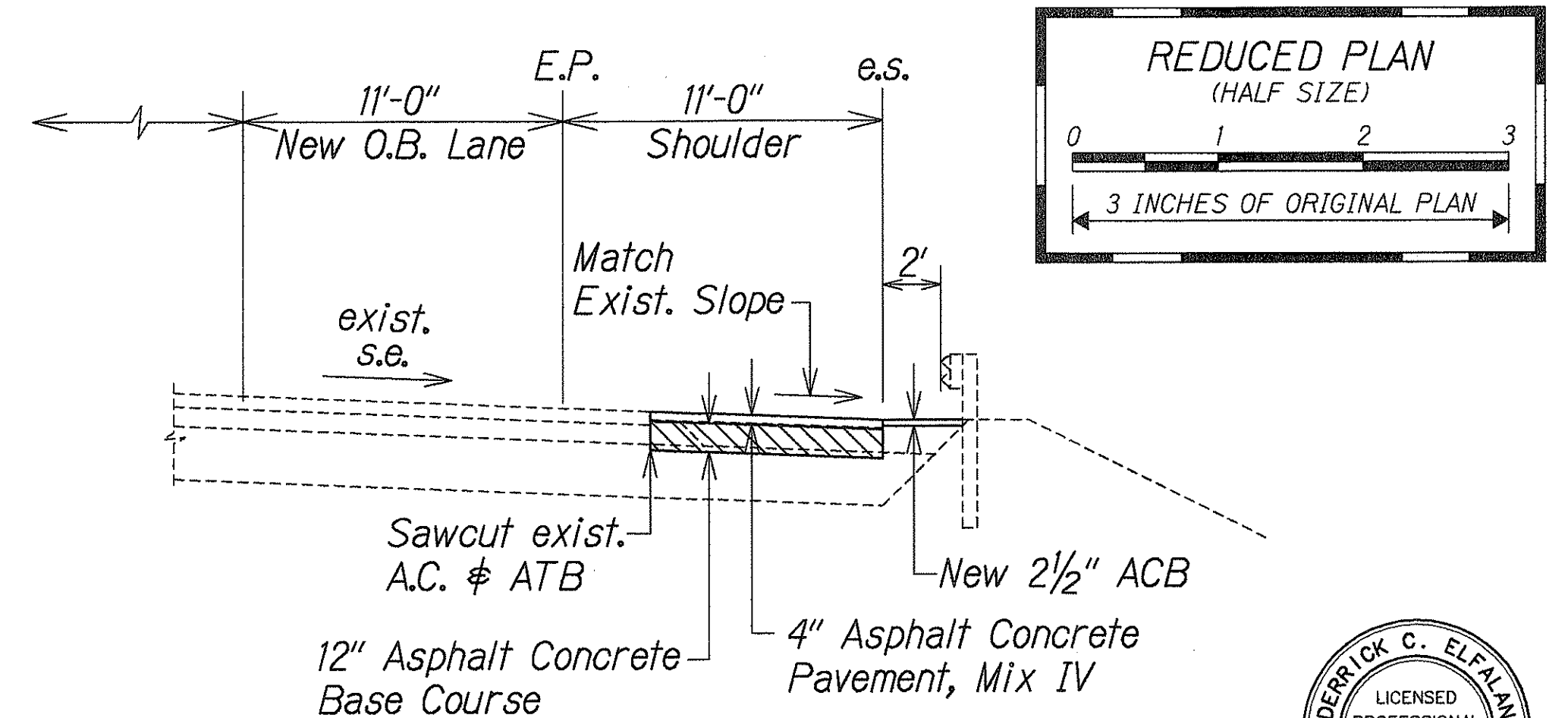
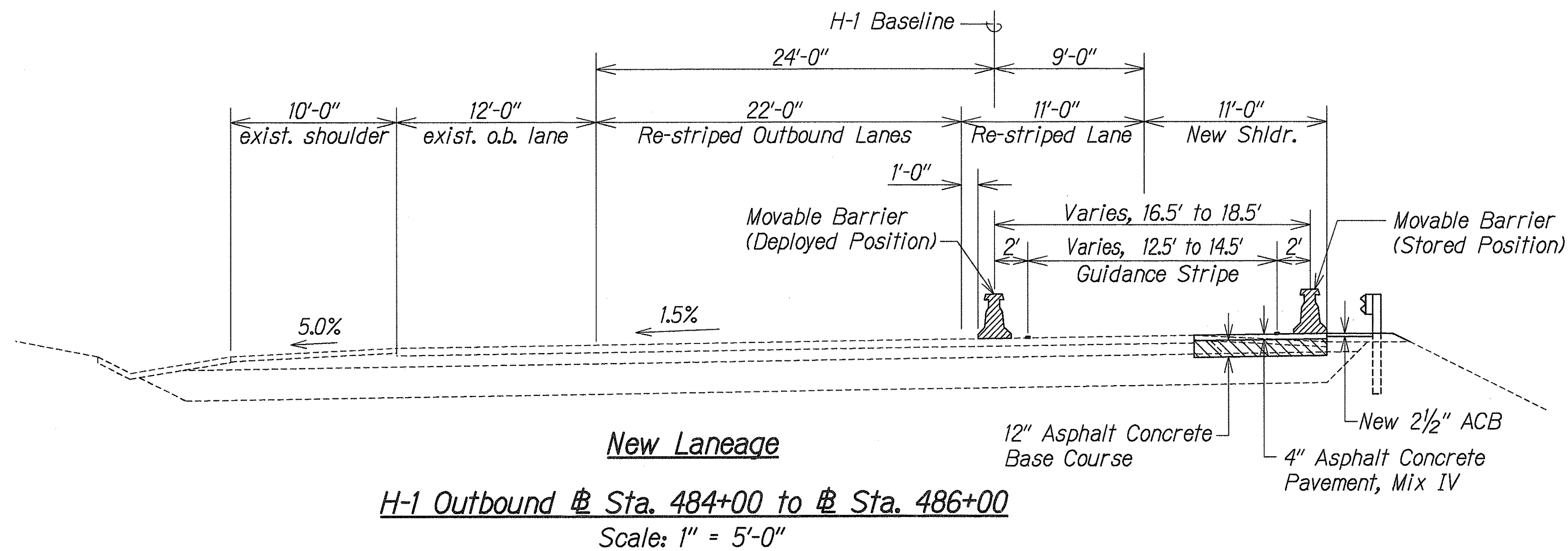
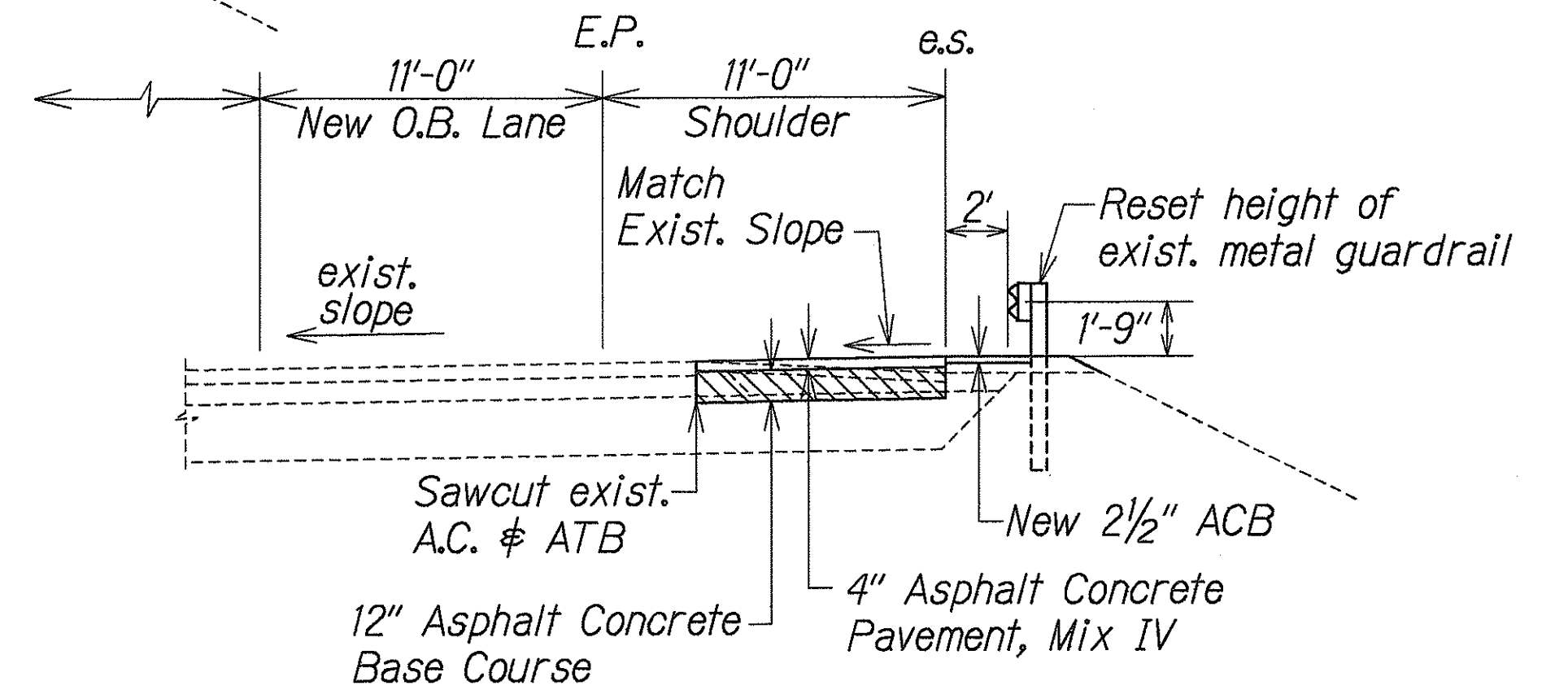
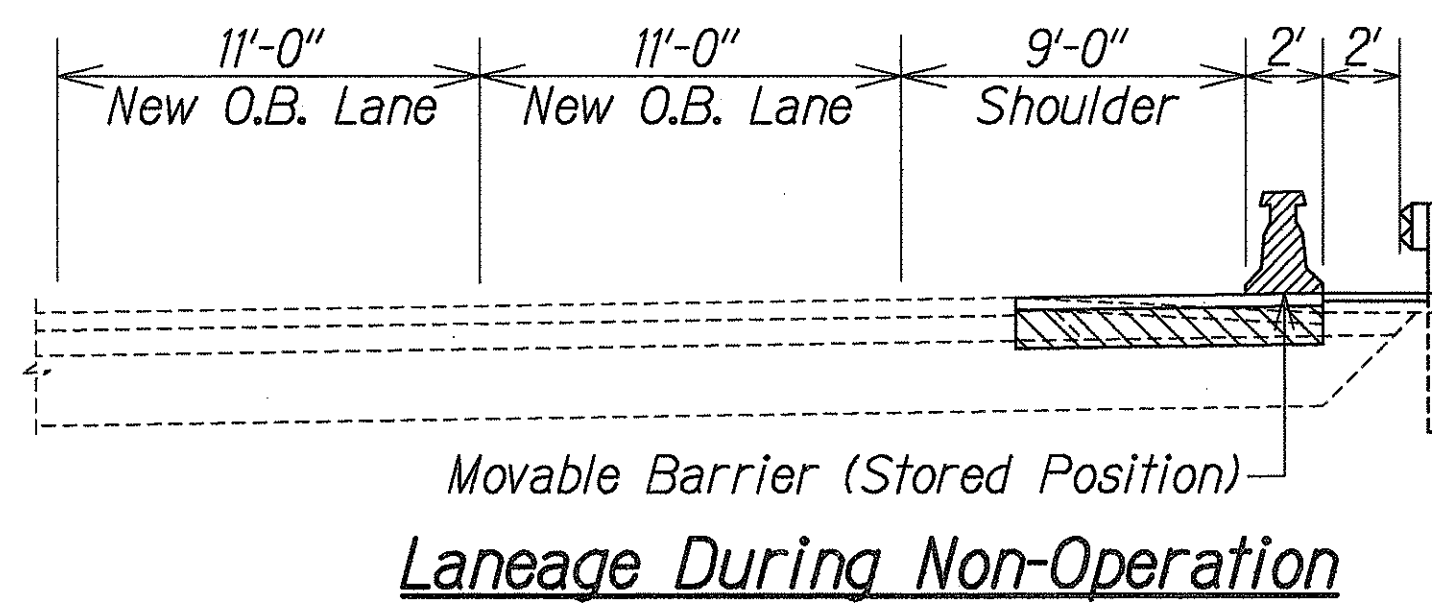
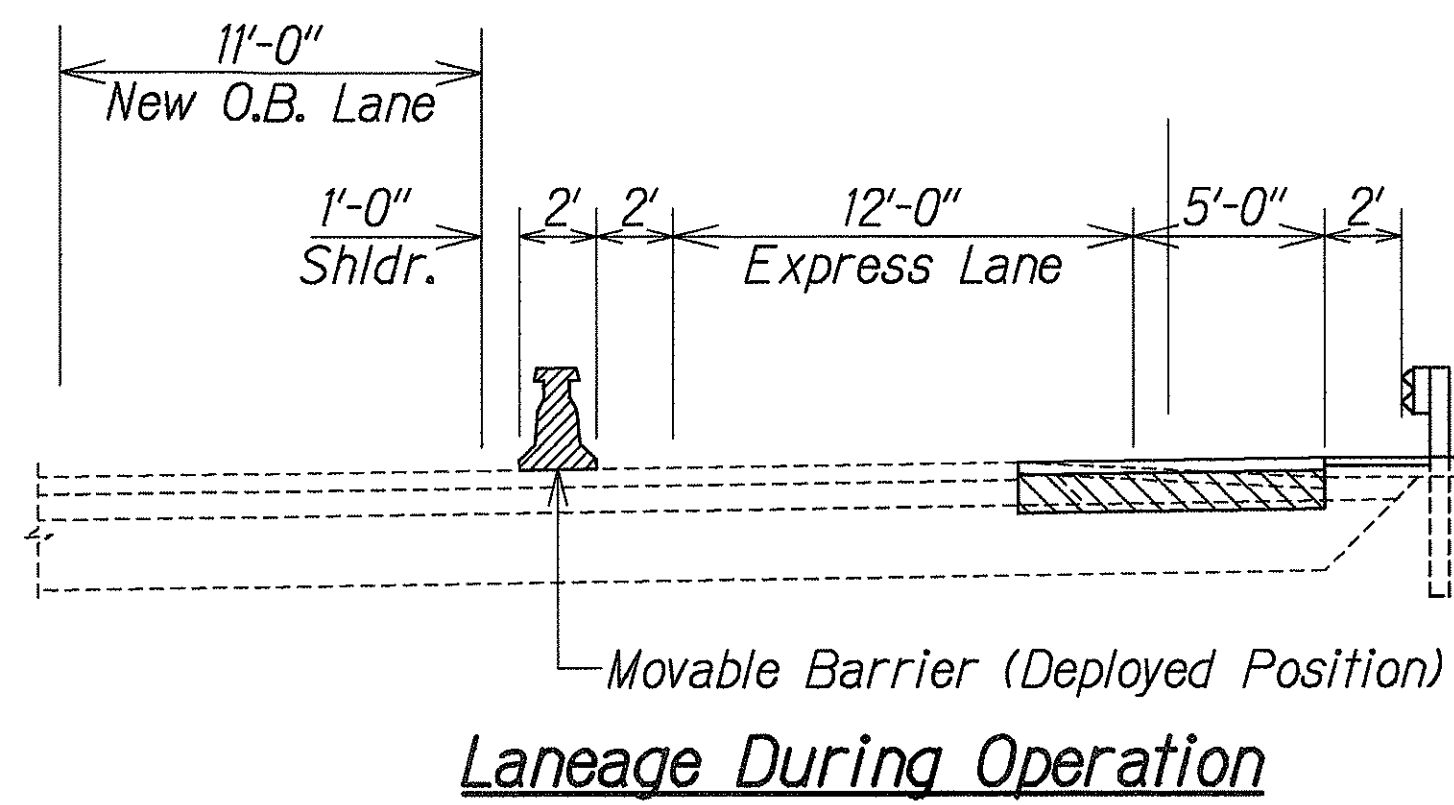
H-1 TYPICAL SECTIONS
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waialae Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: October, 1997

SHEET No. **T2** OF **21** SHEETS



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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 6	344



SURVEY PLOTTED BY	DATE
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CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

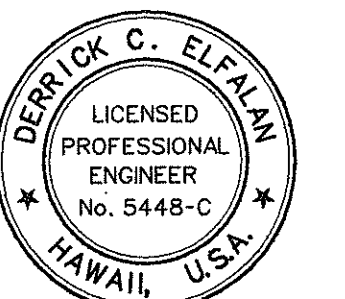
H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: October, 1997

5/21/98 Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.

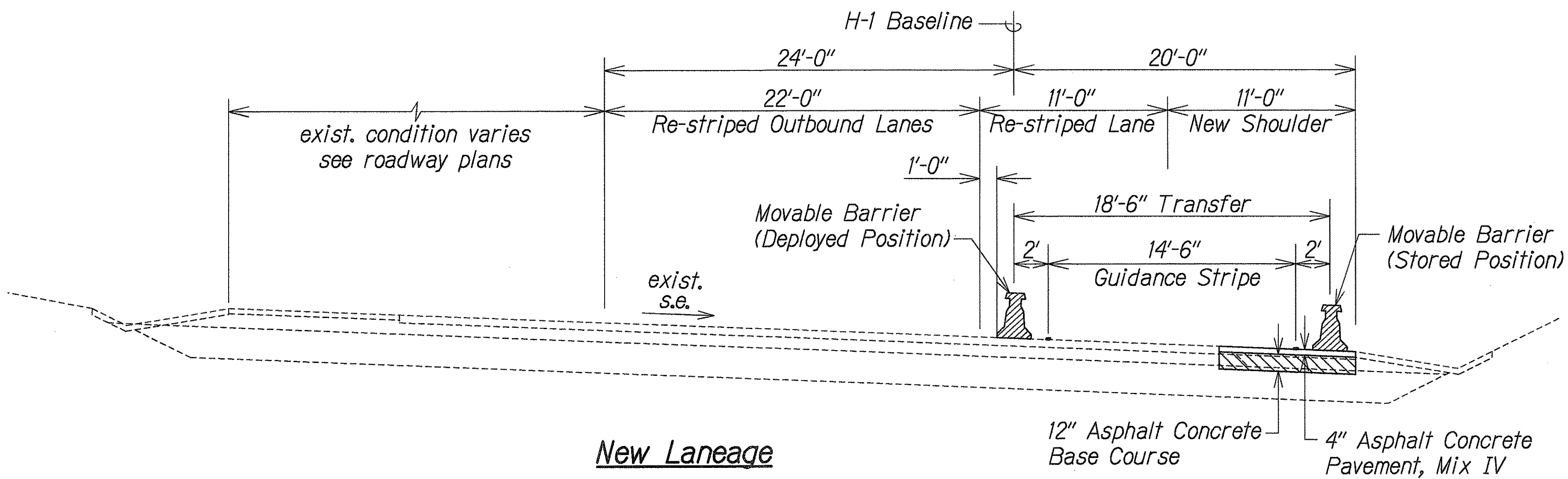
DATE REVISION

SHEET No. 73 OF 21 SHEETS

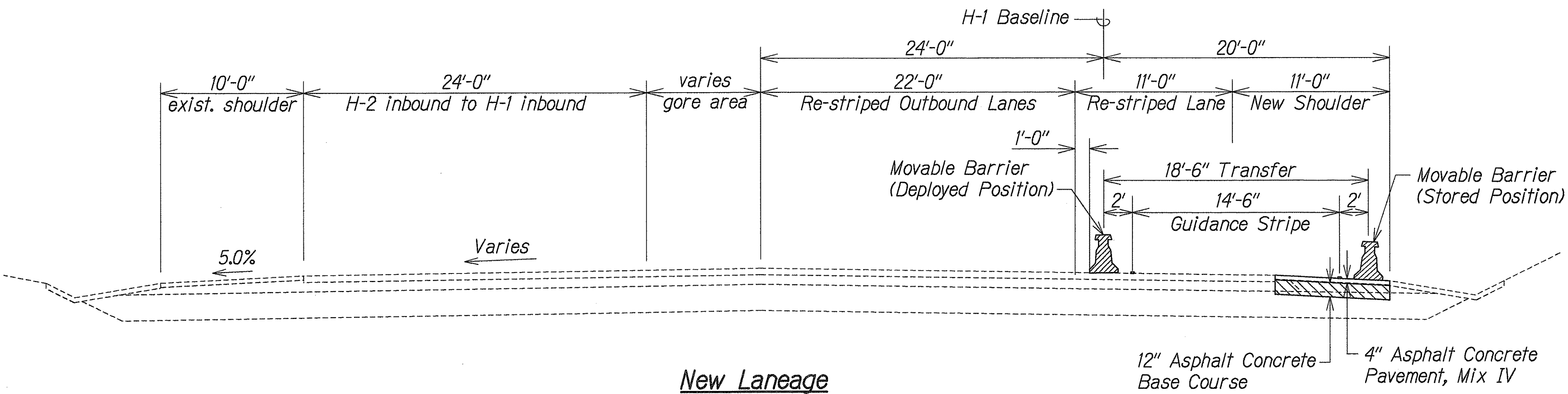


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[Signature]
DERRICK C. ELFAIAN
P.E. INC.
800 PARK ENGINEERING

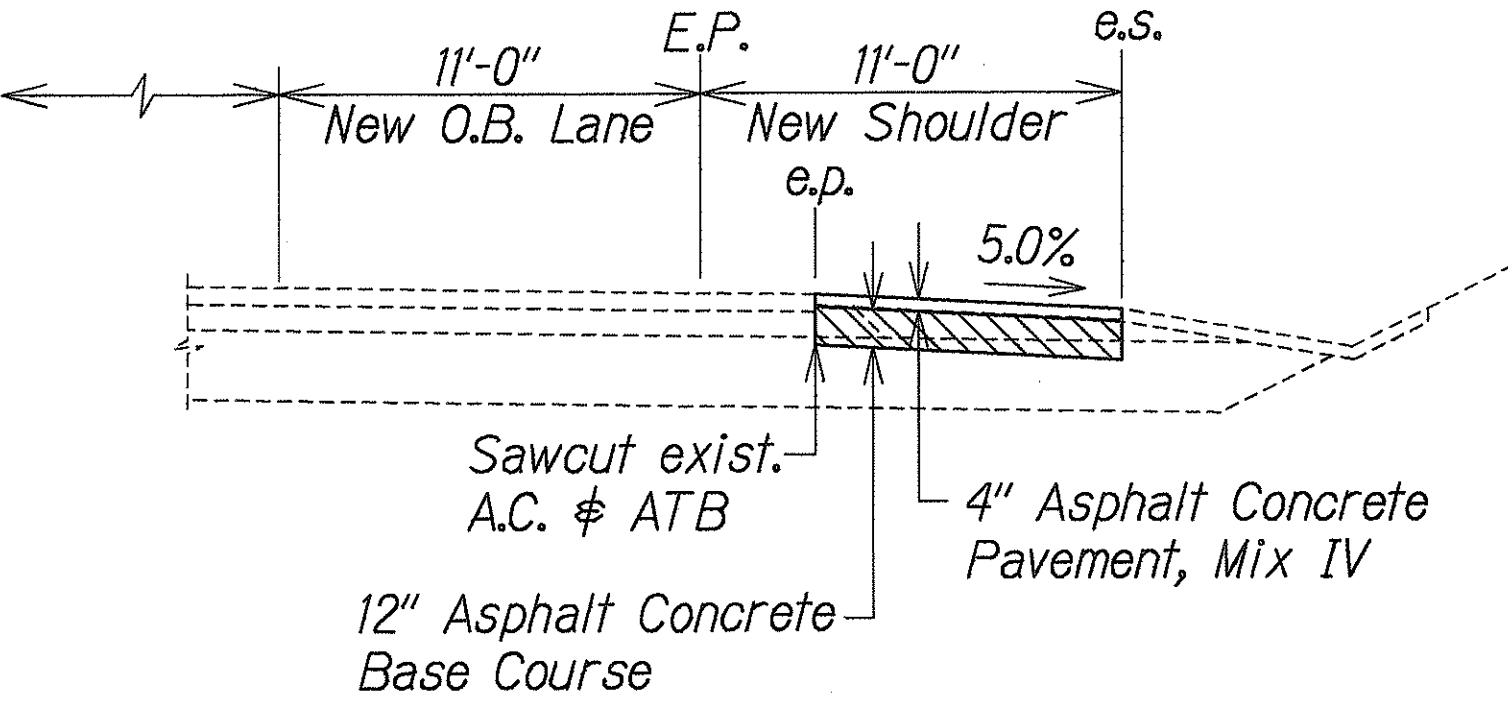
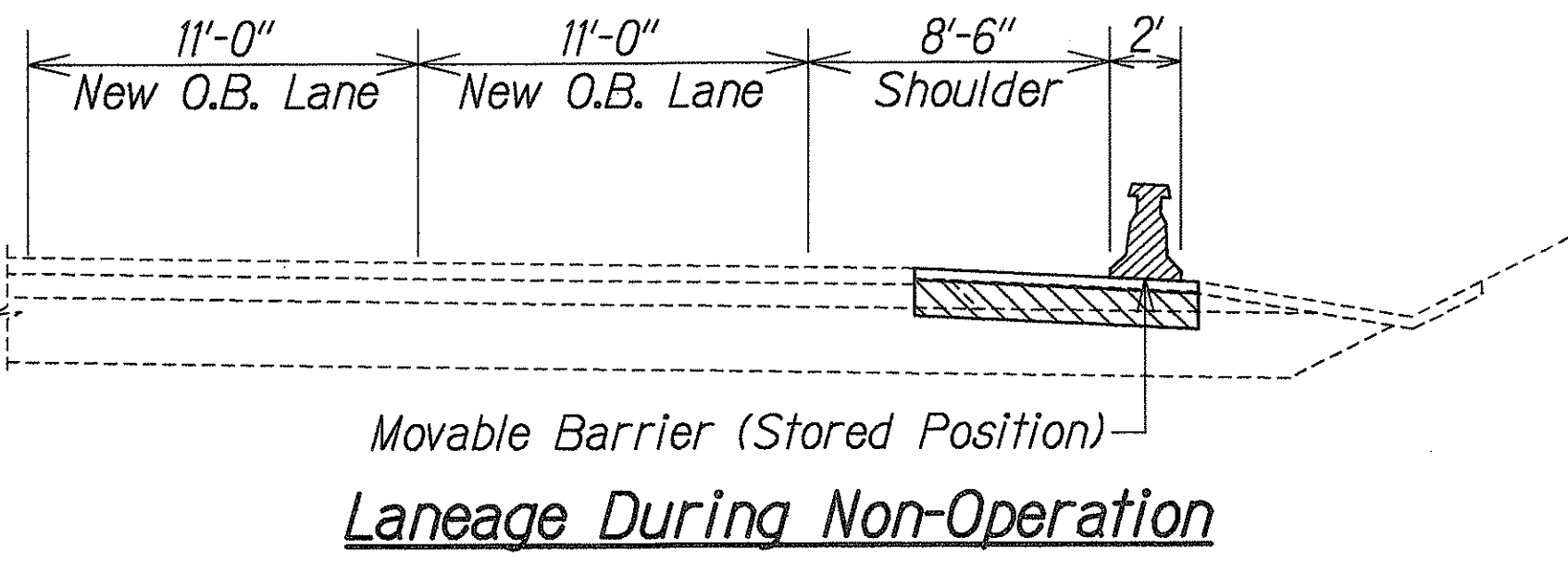
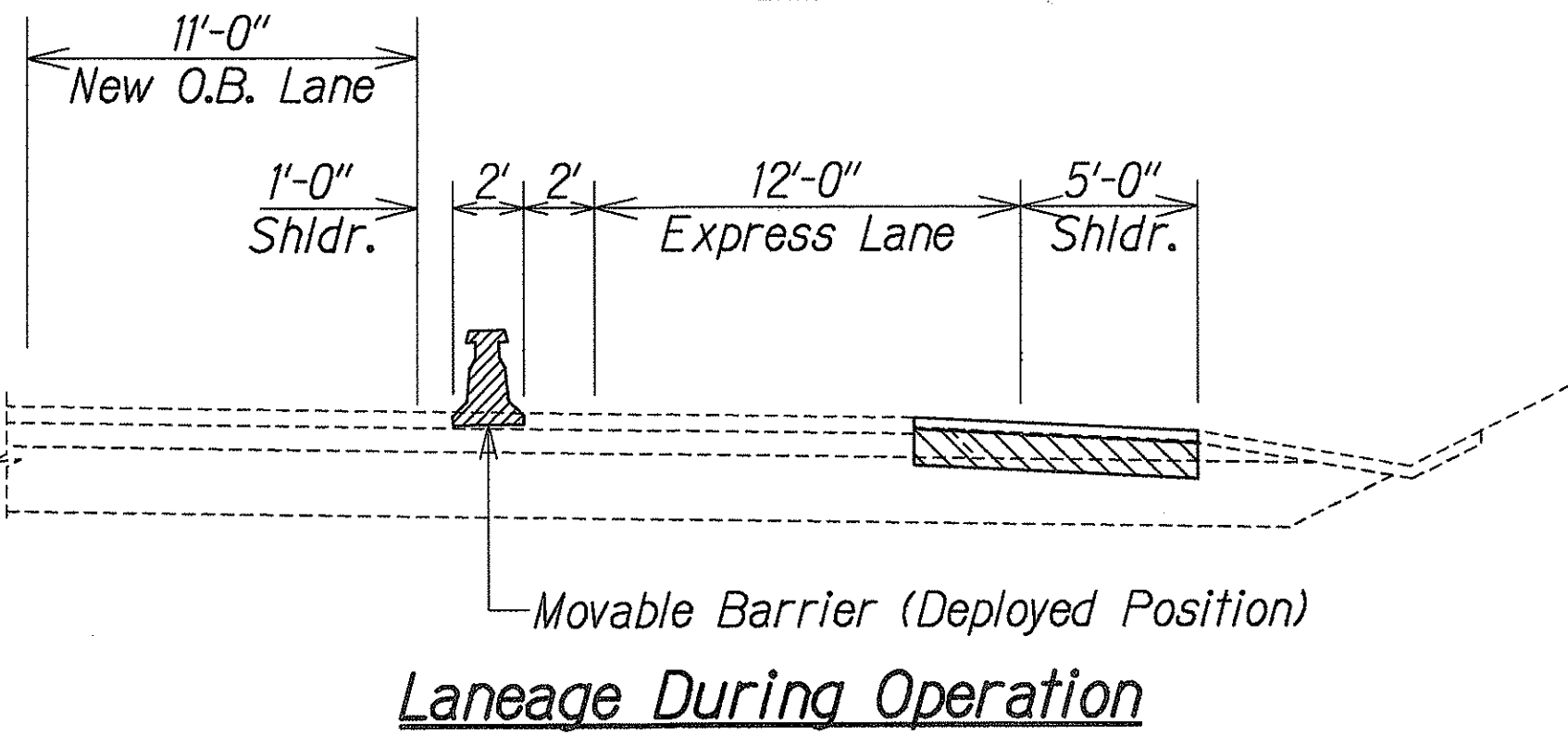
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 7	344



H-1 Outbound @ Sta. 494+00± to H-1 @ Sta. 508+00±
Scale: 1" = 5'-0"



H-1 Outbound @ Sta. 508+00± to H-1 @ Sta. 510+65±
Scale: 1" = 5'-0"



Typical Shoulder Reconstruction



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5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

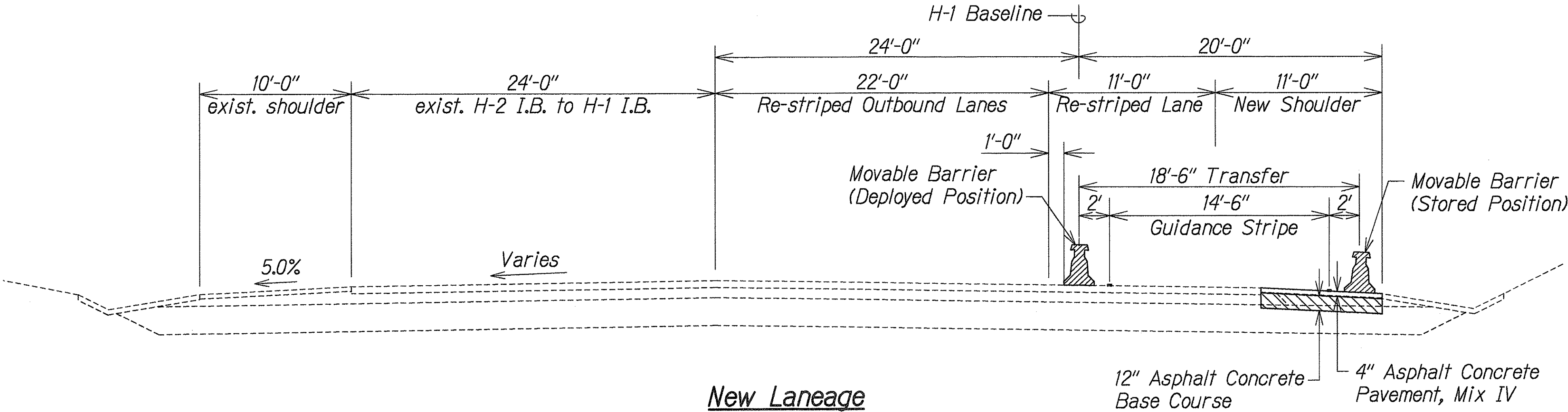
Scale: As Shown Date: October, 1997

SHEET No. **T4** OF **21** SHEETS

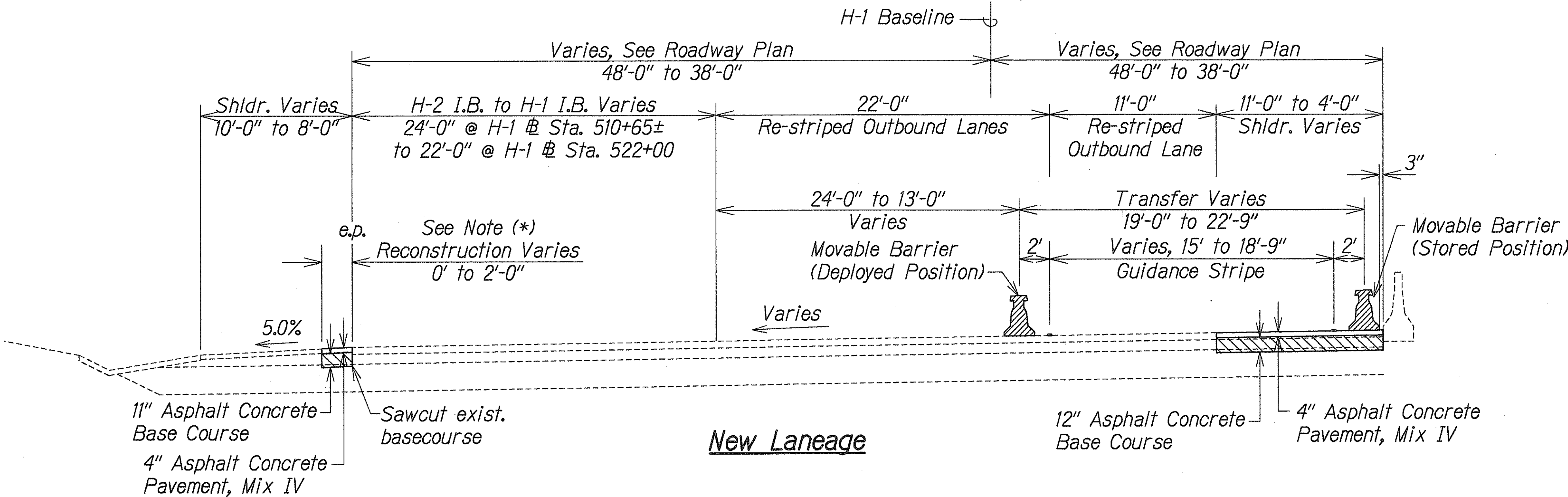
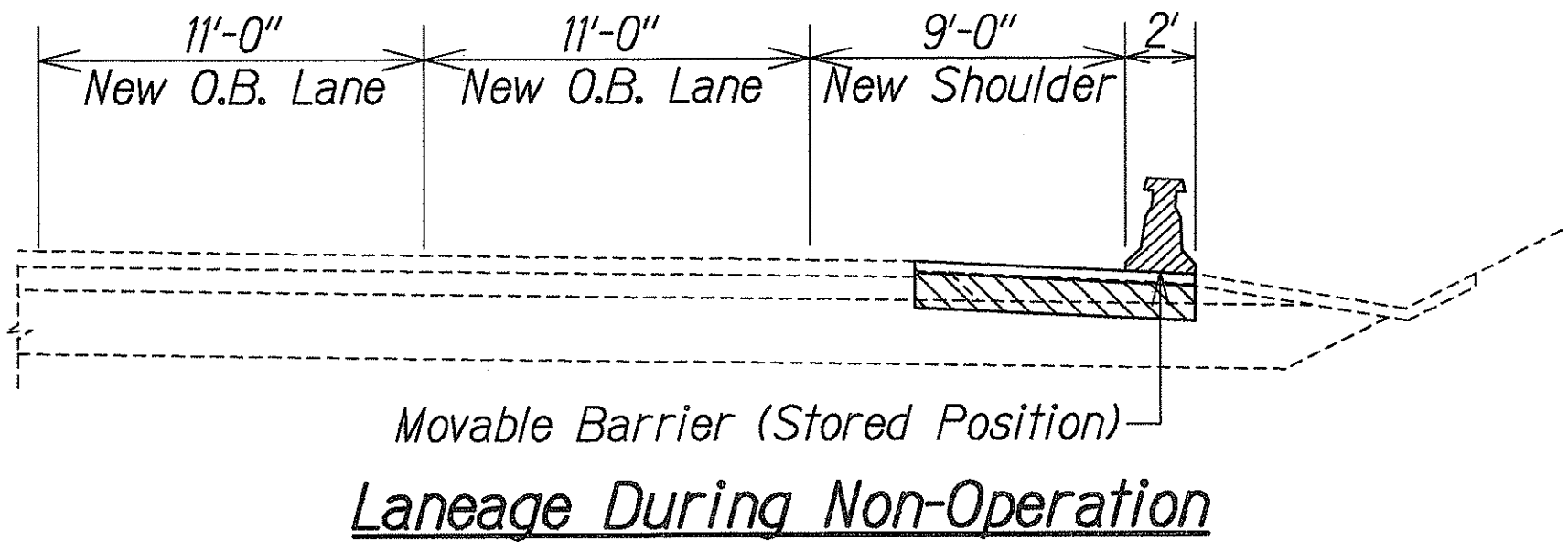
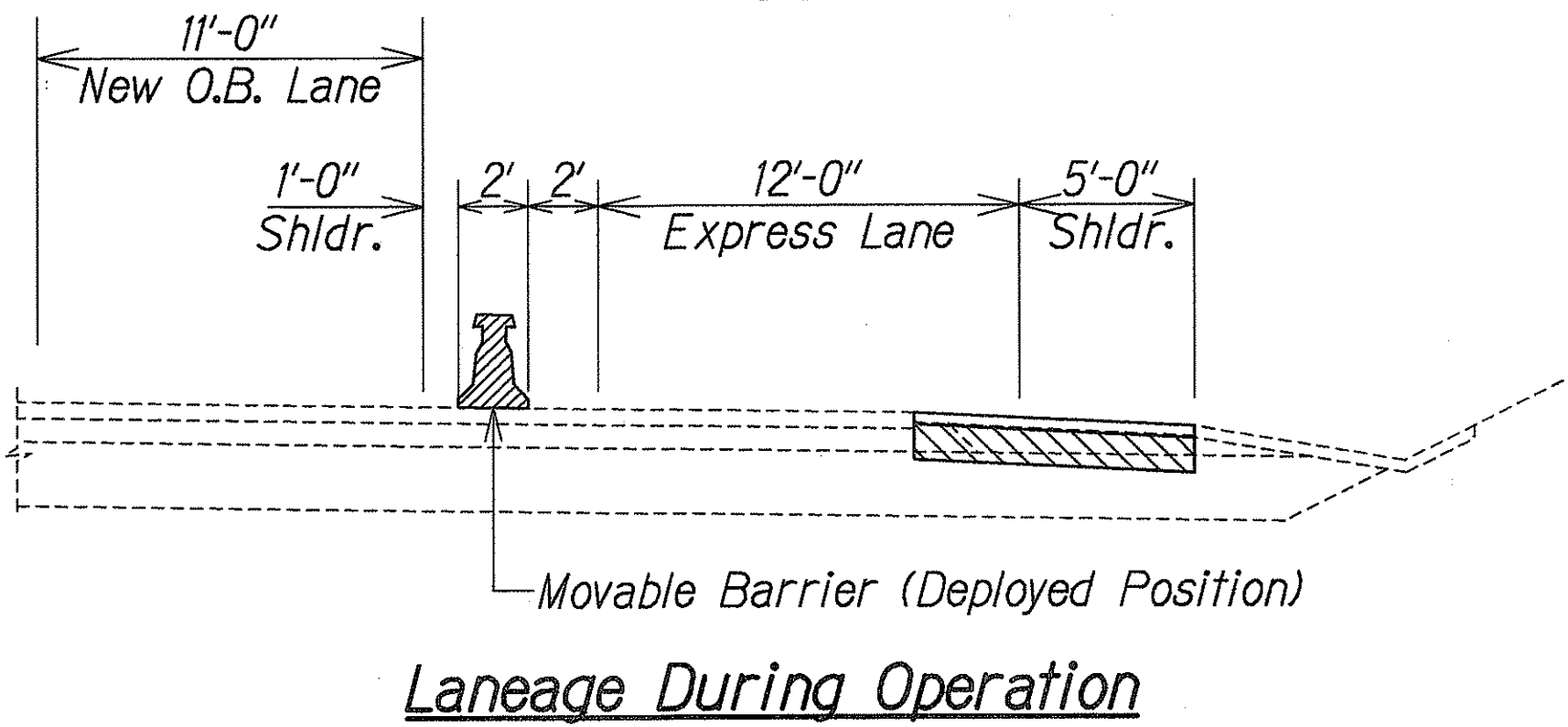
C.O. 7

SURVEY PLOTTED BY	DATE
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NOTE BOOK	
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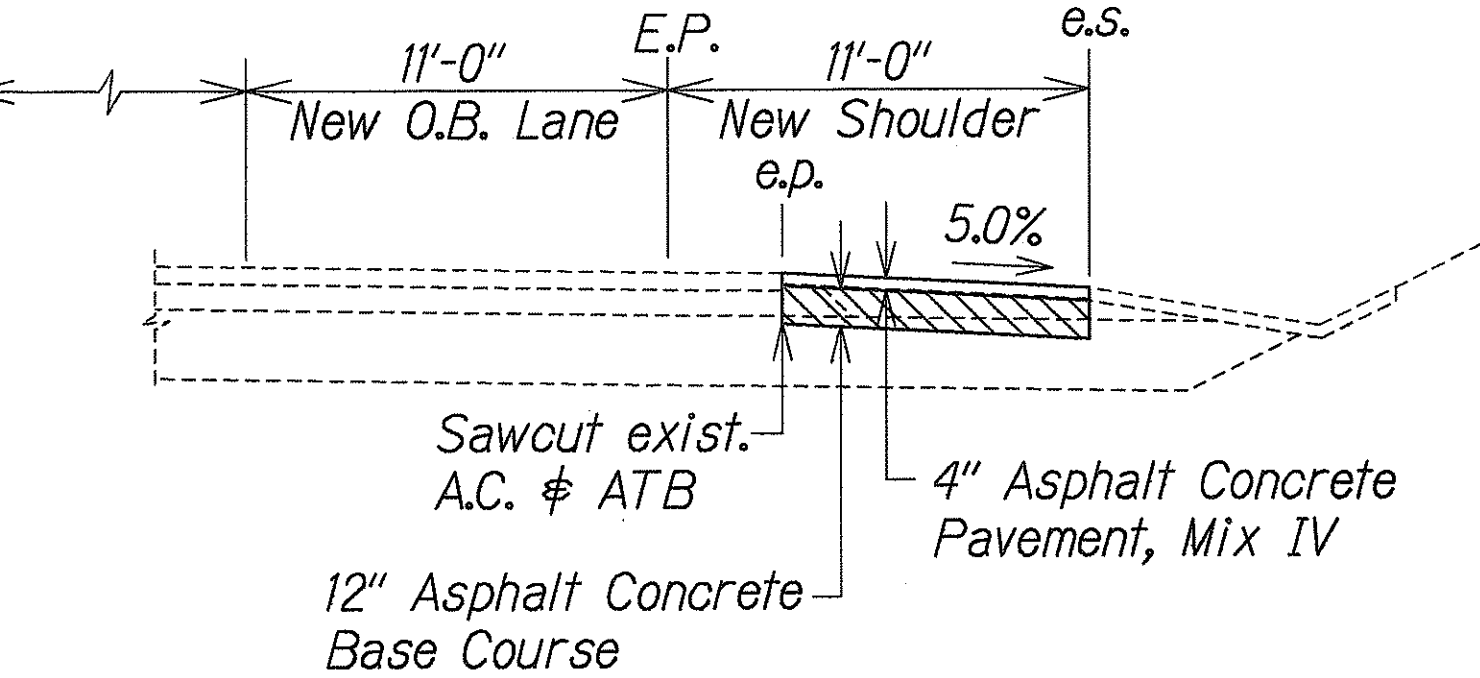
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 8	344



New Laneage
H-1 Outbound @ Sta. 510+65± to @ Sta. 516+68±
Scale: 1" = 5'-0"



New Laneage
H-1 Outbound @ Sta. 516+68± to @ Sta. 522+00 (Bk.) = H-1 @ Sta. 521+36.87 (Ahd.)
Scale: 1" = 5'-0"



Typical Shoulder Reconstruction

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NOTES BY	
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Note (*):
Shoulder Reconstruction from
H-1 O.B. @ Sta. 516+68± to H-1 @ Sta. 527+90



5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

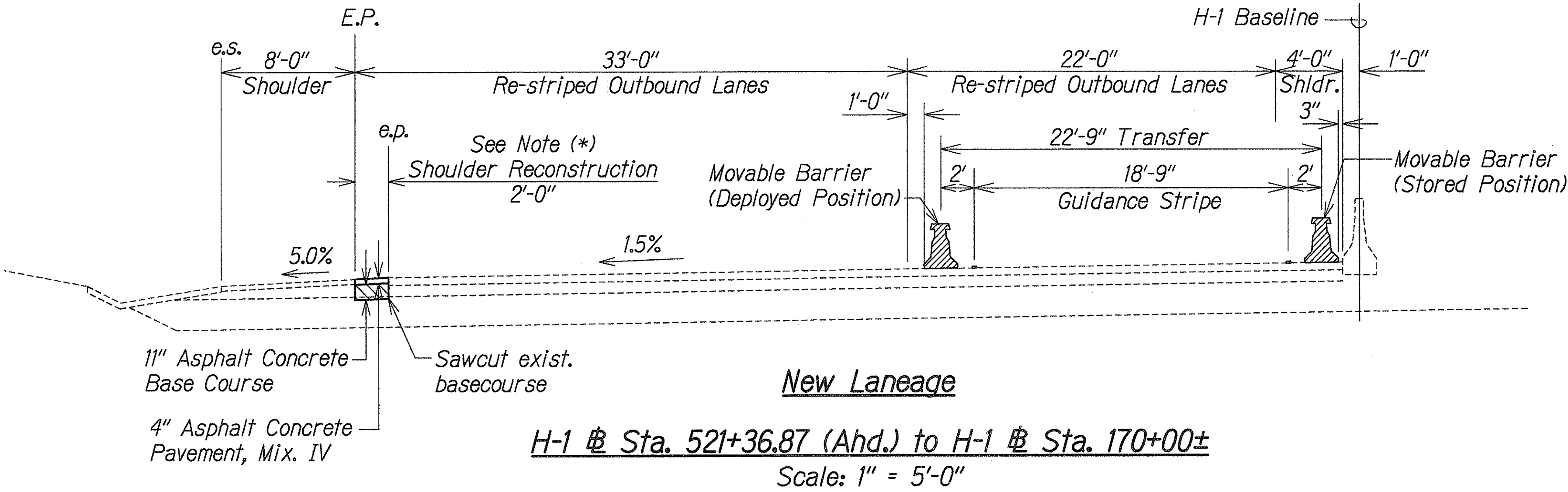
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: October, 1997
SHEET No. 75 OF 21 SHEETS

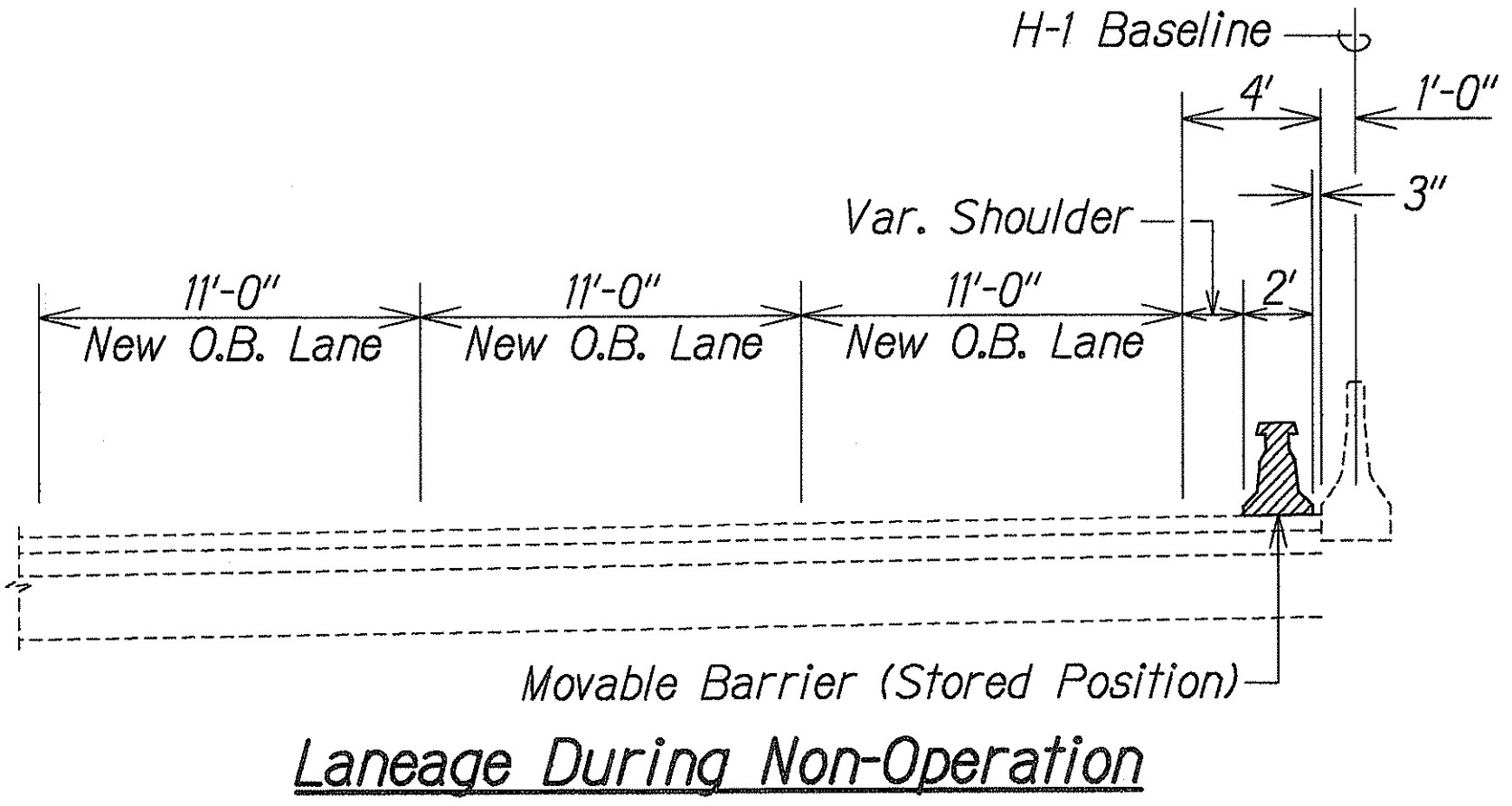
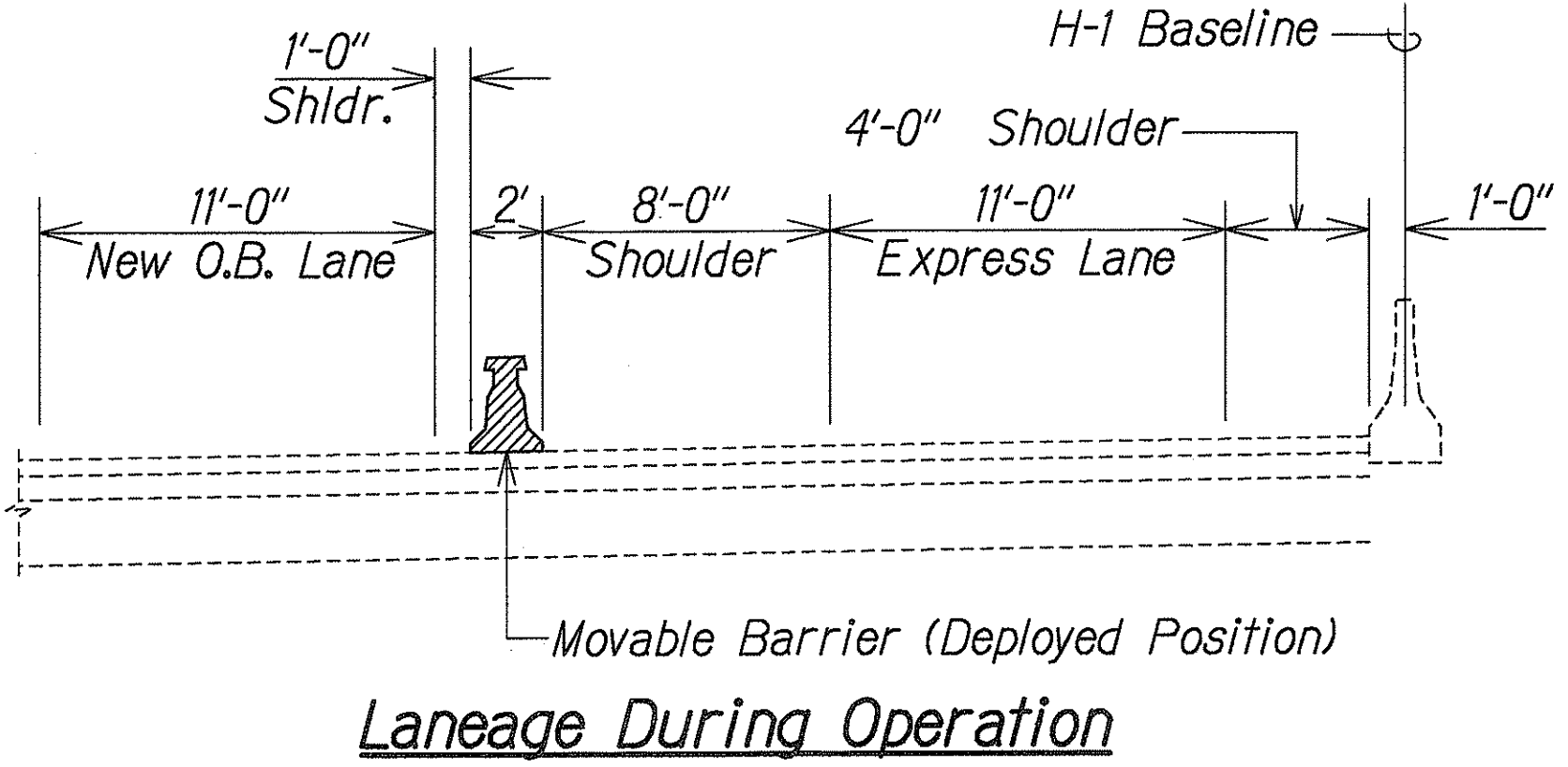
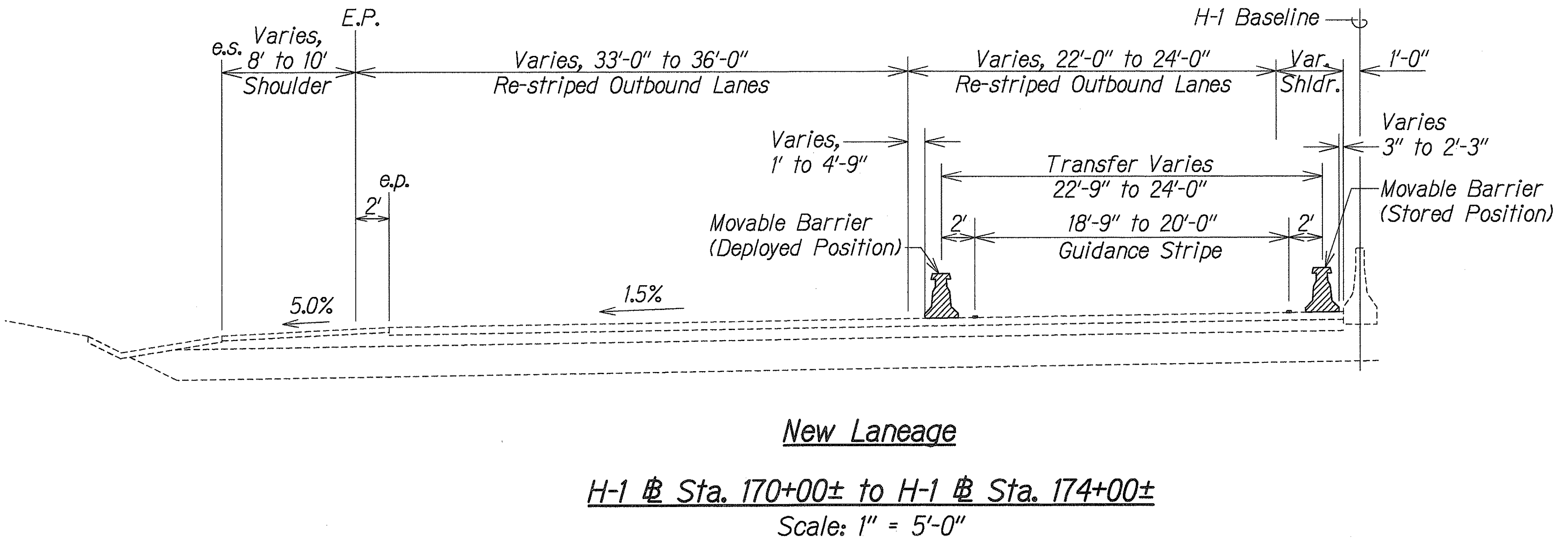


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DERRICK C. ELEANI
Professional Engineer
No. 5448-C
HAWAII, U.S.A.

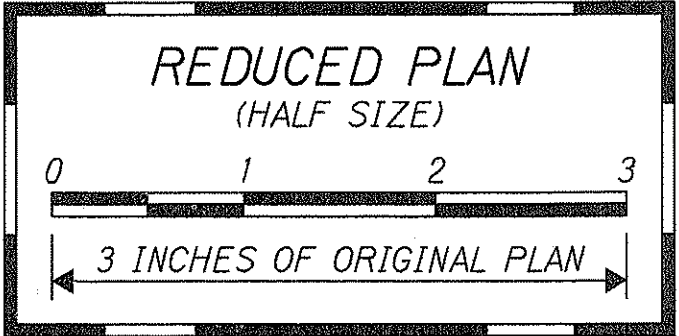
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 9	344



Note (*):
 2 ft. Wide Shoulder Reconstruction from
 H-1 O.B. Sta. 516+68± to H-1 Sta. 527+90±
 H-1 Sta. 74+75± to H-1 Sta. 85+80±
 H-1 Sta. 103+00± to H-1 Sta. 104+70±
 H-1 Sta. 109+33± to H-1 Sta. 110+86±



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ORIGINAL PLAN	
NOTE BOOK	
FILE	



5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1

CONTRAFLOW AND SHOULDER LANE

Waiawa Interchange to Keolu Interchange

PROJECT NO. HIEFG-01-96

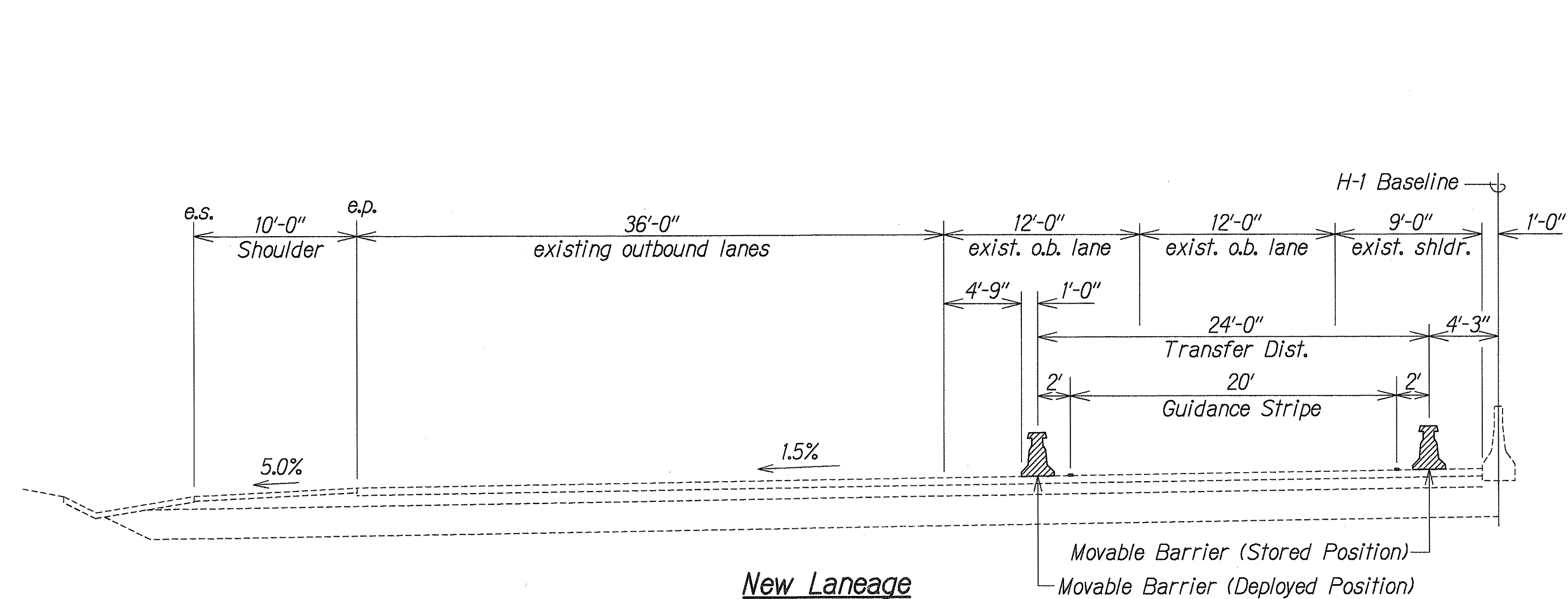
Scale: As Shown Date: October, 1997

SHEET No. 76 OF 21 SHEETS

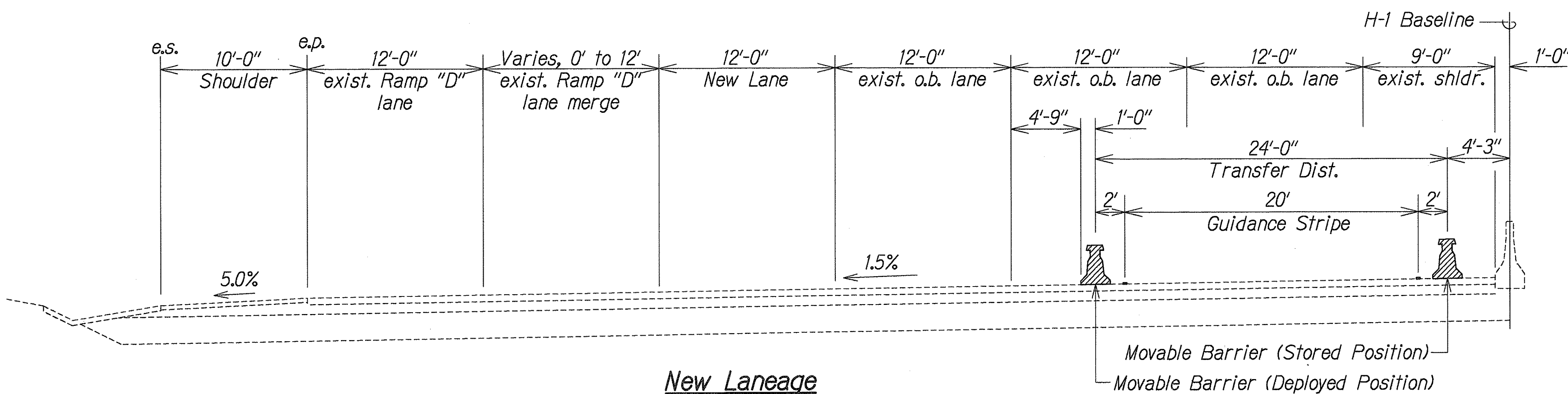
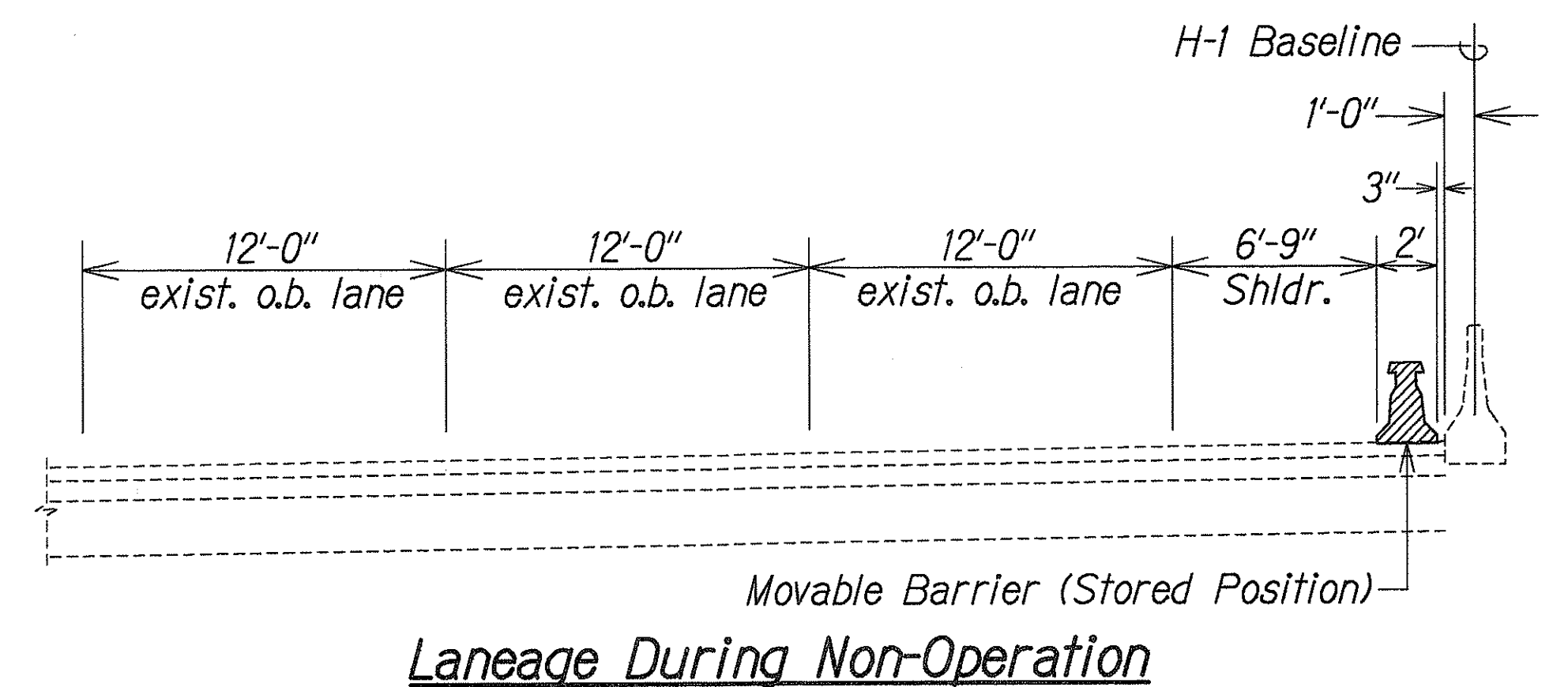
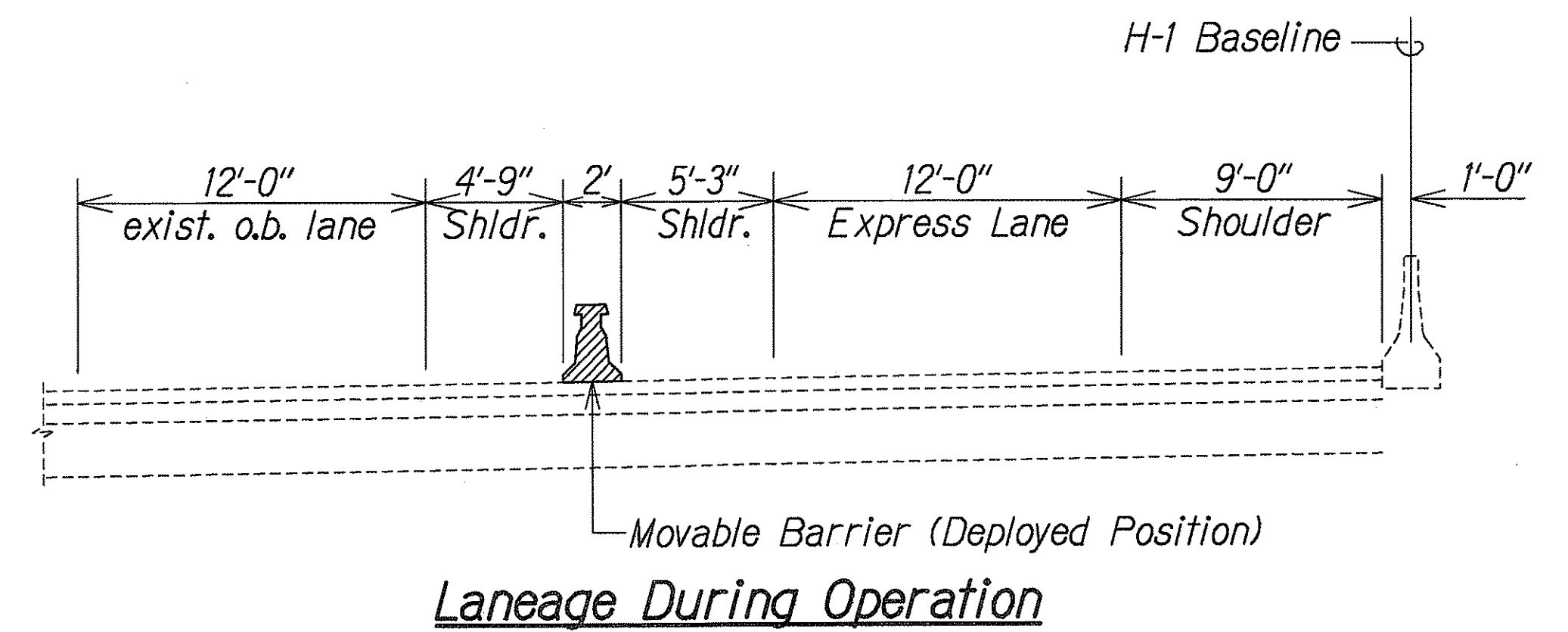


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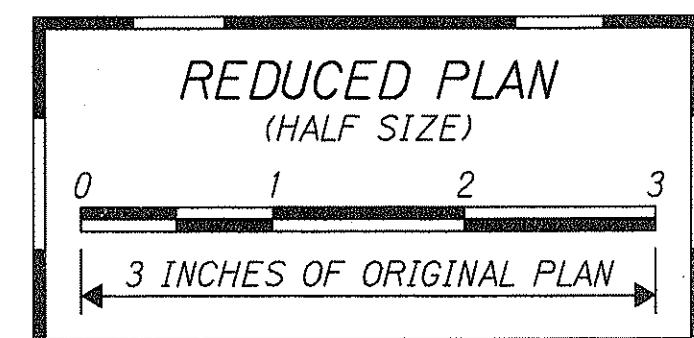
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 10	344



New Laneage
H-1 @ Sta. 174+00± to H-1 @ Sta. 195+00±
Scale: 1" = 5'-0"



New Laneage
H-1 @ Sta. 195+00± to H-1 @ Sta. 199+00±
Scale: 1" = 5'-0"



5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

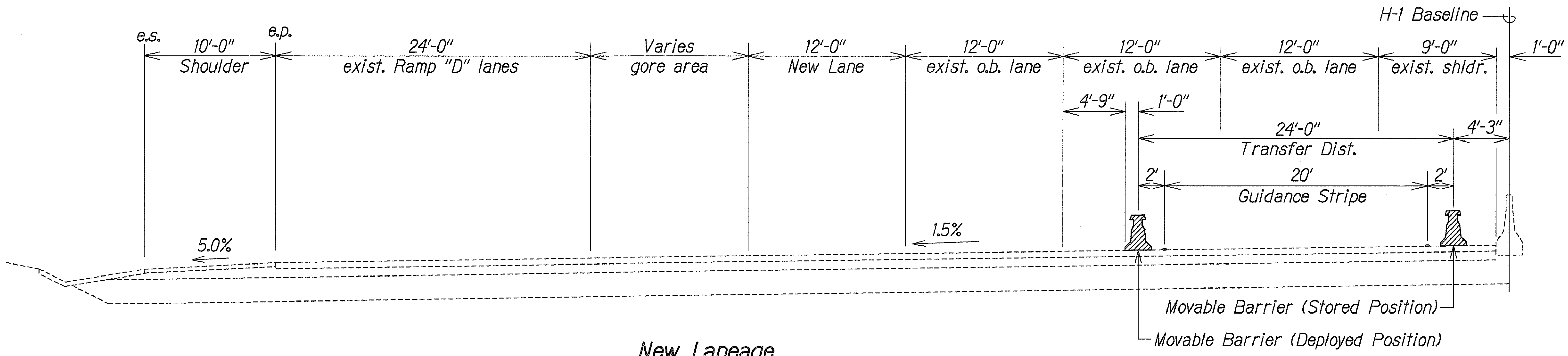
H-1 TYPICAL SECTIONS
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: October, 1997
SHEET No. 77 OF 21 SHEETS



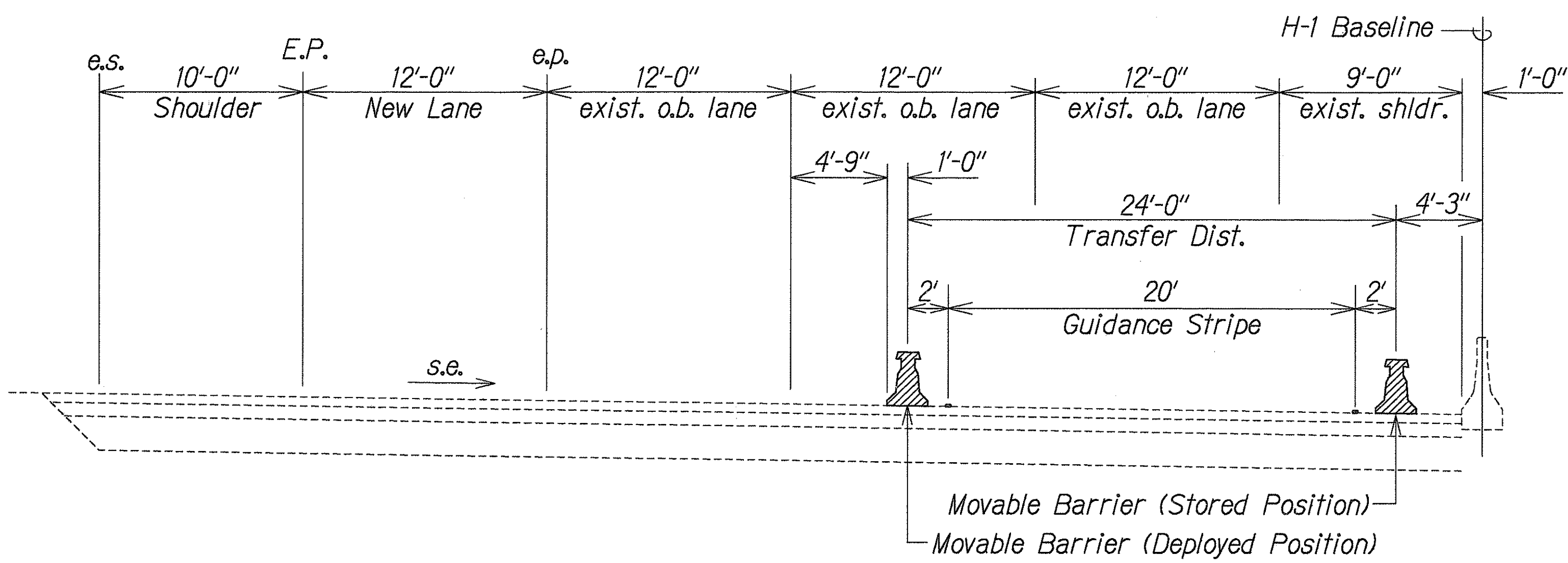
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[Signature]
Derrick C. Elfa
Professional Engineer
No. 5448-C
HAWAII, U.S.A.

SURVEY PLOTTED BY	DATE
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CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	

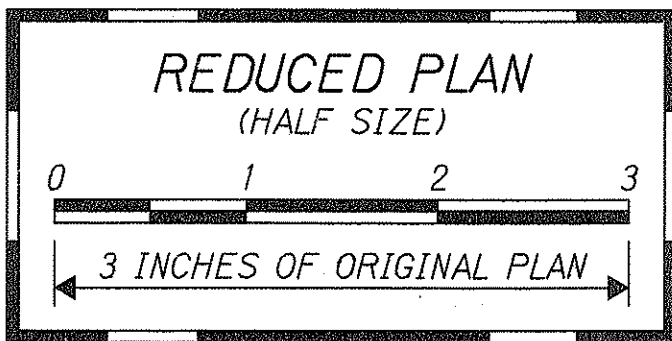
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 11	344



New Laneage
H-1 @ Sta. 199+00± to H-1 @ Sta. 206+00±
Scale: 1" = 5'-0"



New Laneage
H-1 @ Sta. 206+00± to H-1 @ Sta. 216+00±
Scale: 1" = 5'-0"



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ORIGINAL PLAN	
NOTE BOOK	
NO.	



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HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

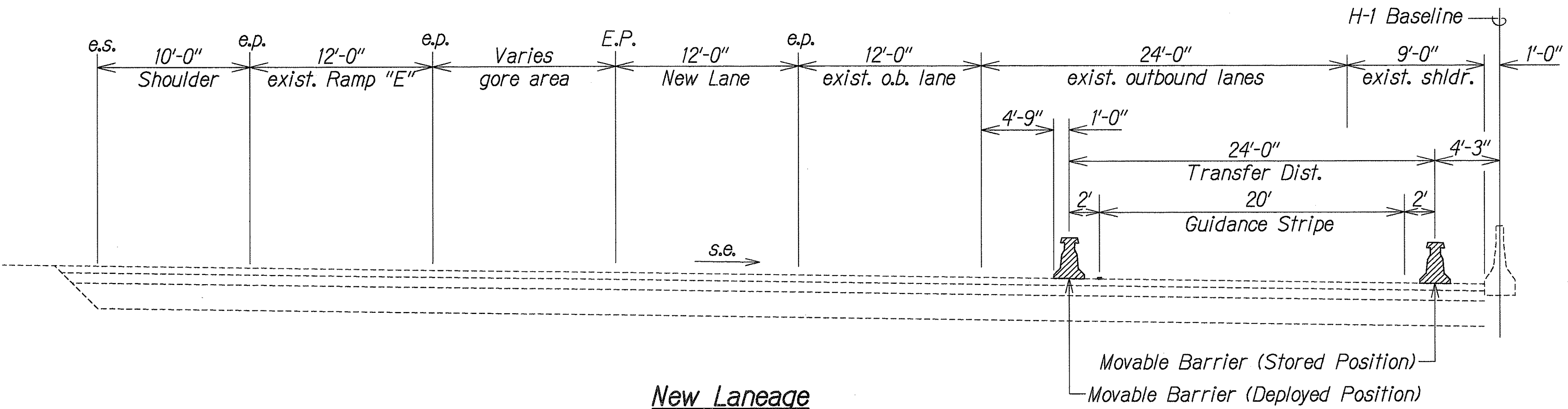
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

Scale: As Shown Date: October, 1997

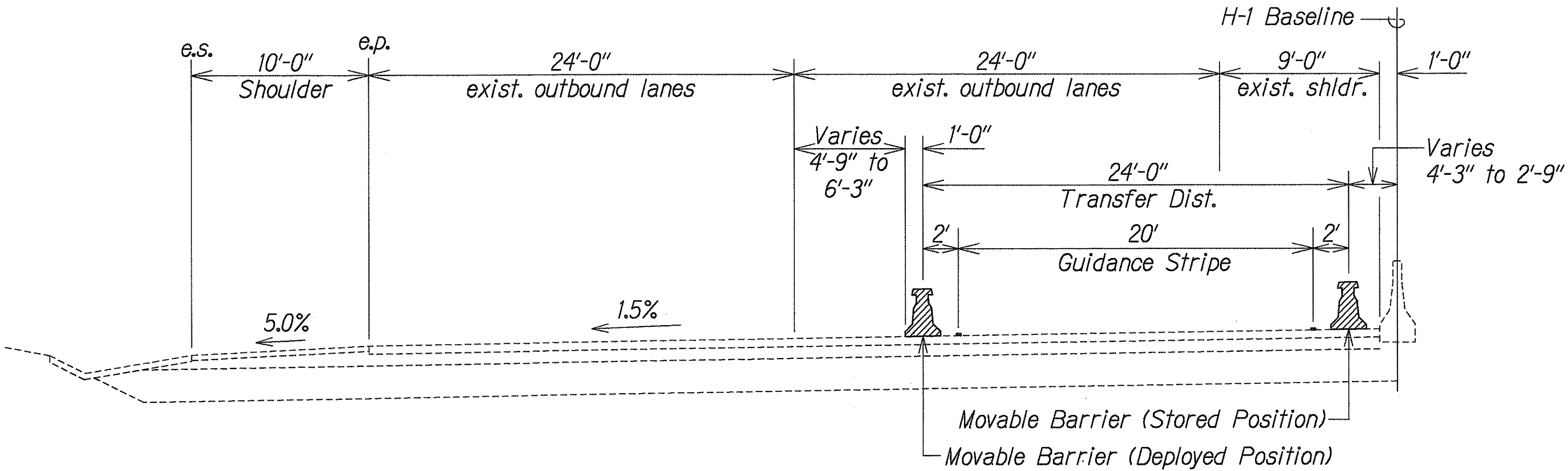
SHEET No. **78** OF **21** SHEETS

5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 12	344

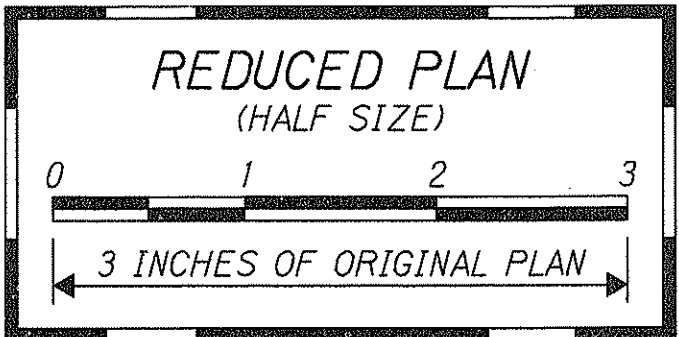


New Laneage
H-1 @ Sta. 216+00± to H-1 @ Sta. 226+40±
Scale: 1" = 5'-0"



New Laneage
H-1 @ Sta. 226+40± to H-1 @ Sta. 30+09±
Scale: 1" = 5'-0"

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5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

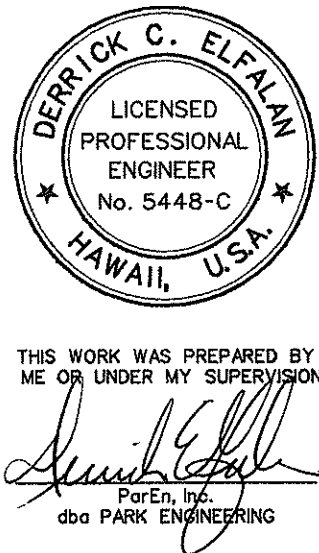
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

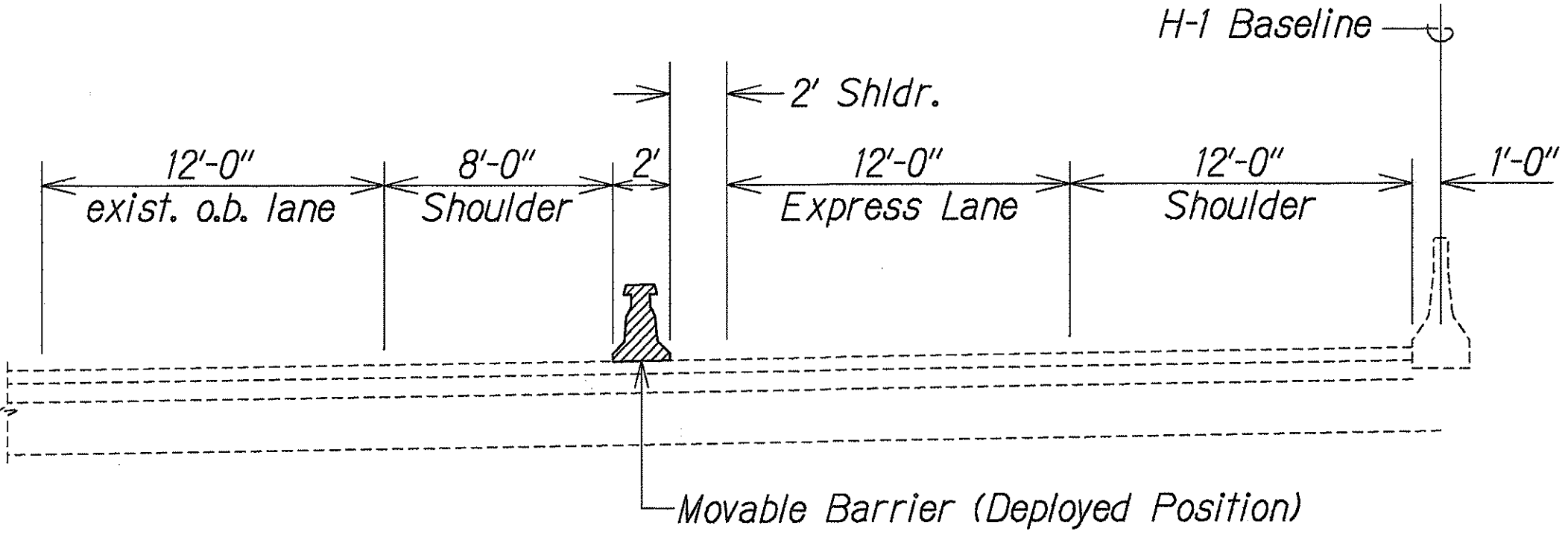
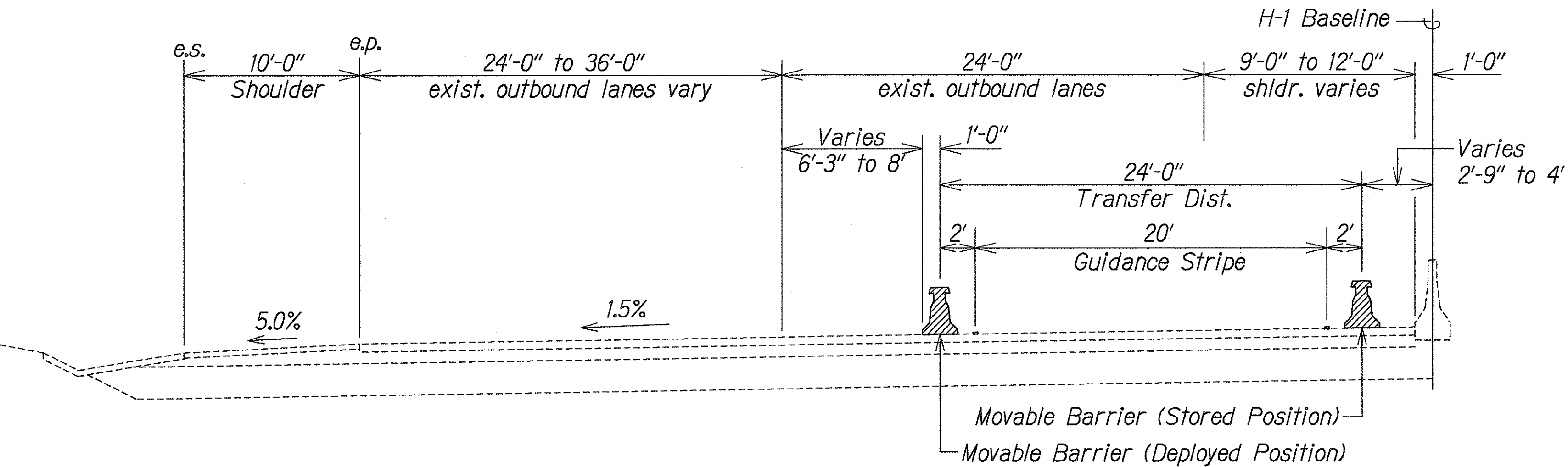
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

Scale: As Shown Date: October, 1997

SHEET No. **T9** OF **21** SHEETS

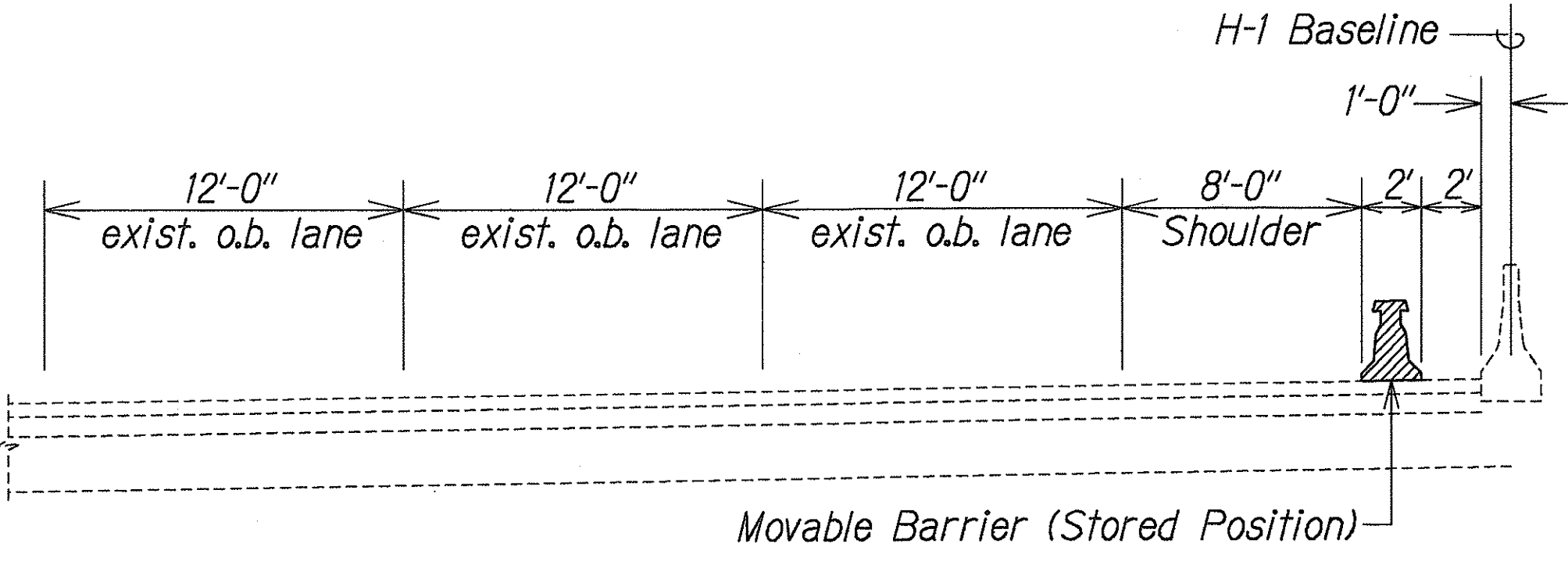


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 13	344

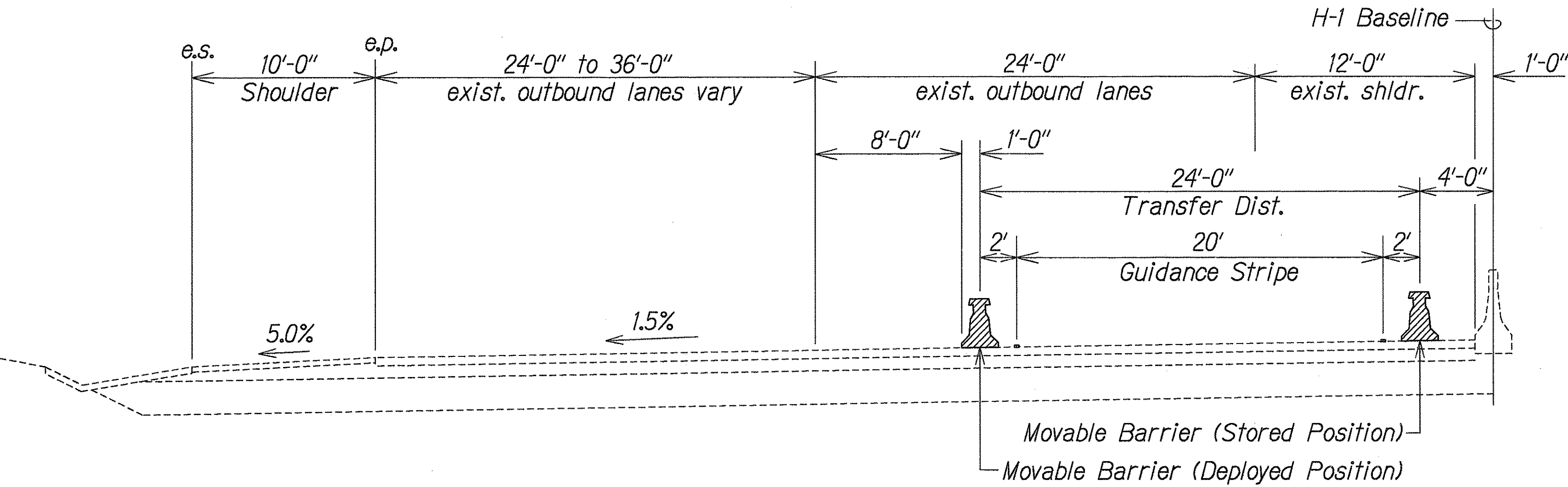


Laneage During Operation

New Laneage
H-1 ~~to~~ Sta. 30+09± to H-1 ~~to~~ Sta. 43+06±
Scale: 1" = 5'-0"

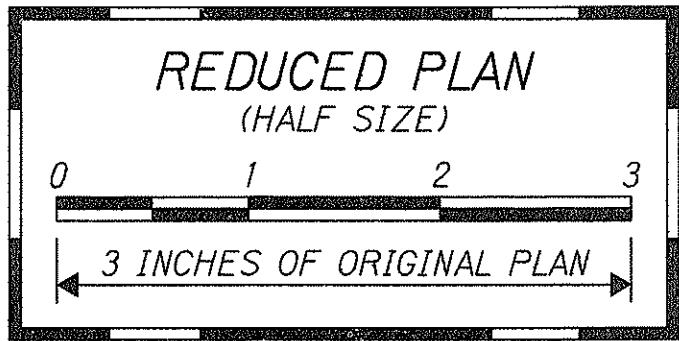


Laneage During Non-Operation



New Laneage
H-1 ~~to~~ Sta. 43+06± to Cross Over No. 4
Scale: 1" = 5'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	



5/21/98	Revised Guidance Wire Loop to Thermo-plastic Extrusion Guidance Stripe.
DATE	REVISION

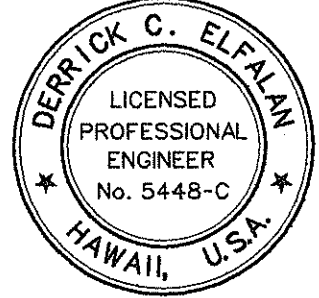
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

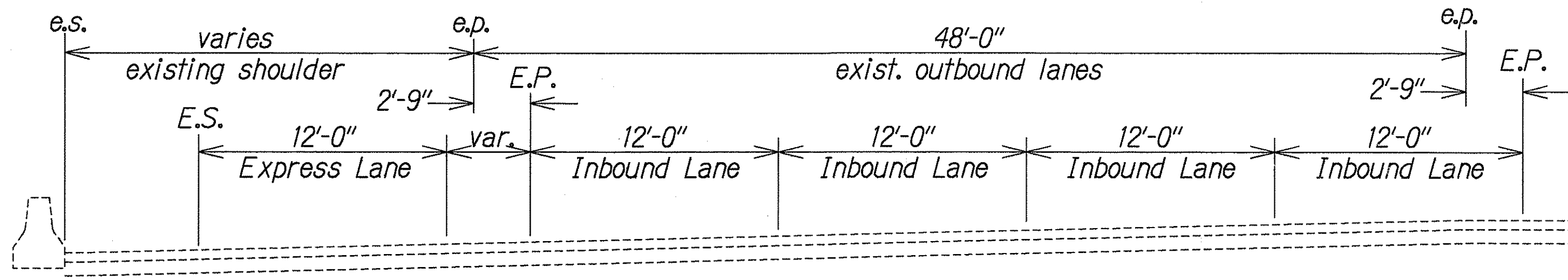
Scale: As Shown Date: October, 1997

SHEET No. **T10** OF **21** SHEETS

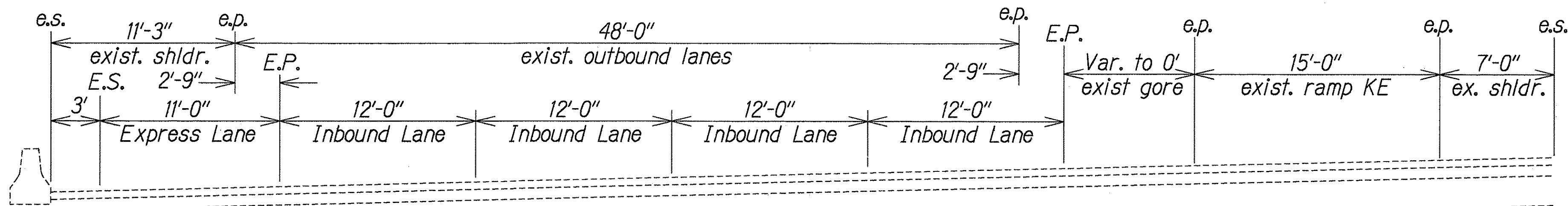


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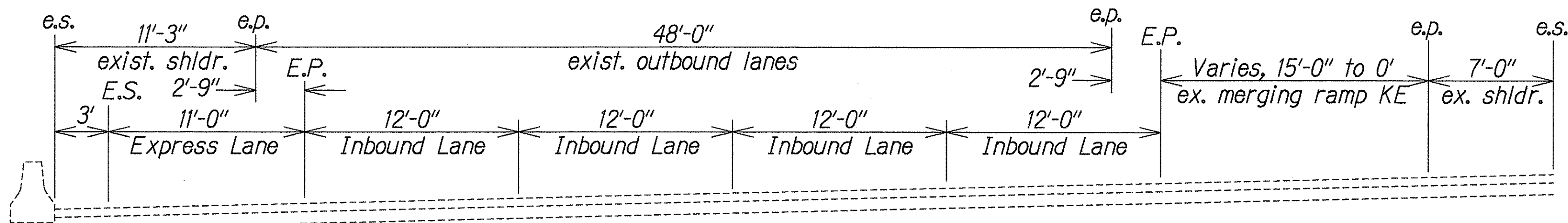
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 14	344



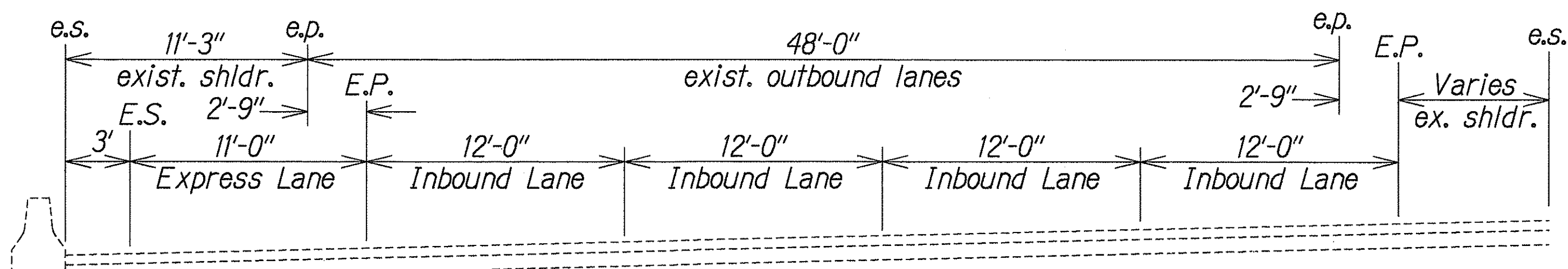
H-1 @ Sta. 96+86.2 to H-1 @ Sta. 99+50±
Scale: 1" = 5'-0"



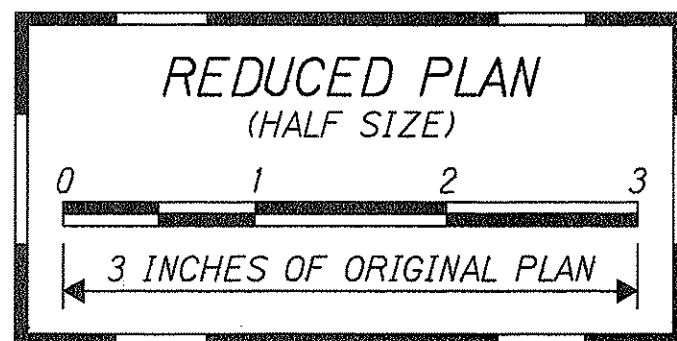
H-1 @ Sta. 99+50± to H-1 @ Sta. 102+80±
Scale: 1" = 5'-0"



H-1 @ Sta. 102+80± to H-1 @ Sta. 110+20±
Scale: 1" = 5'-0"



H-1 @ Sta. 110+20± to H-1 @ Sta. 111+60±
Scale: 1" = 5'-0"



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

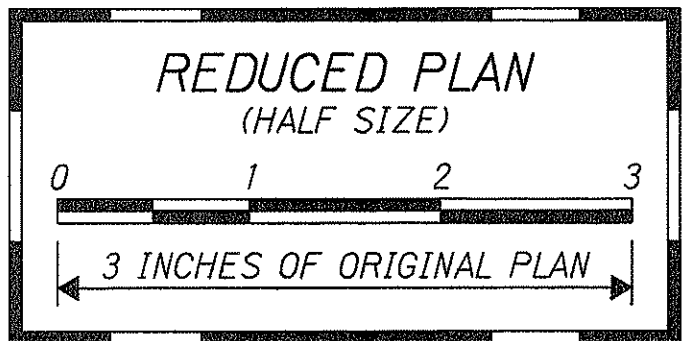
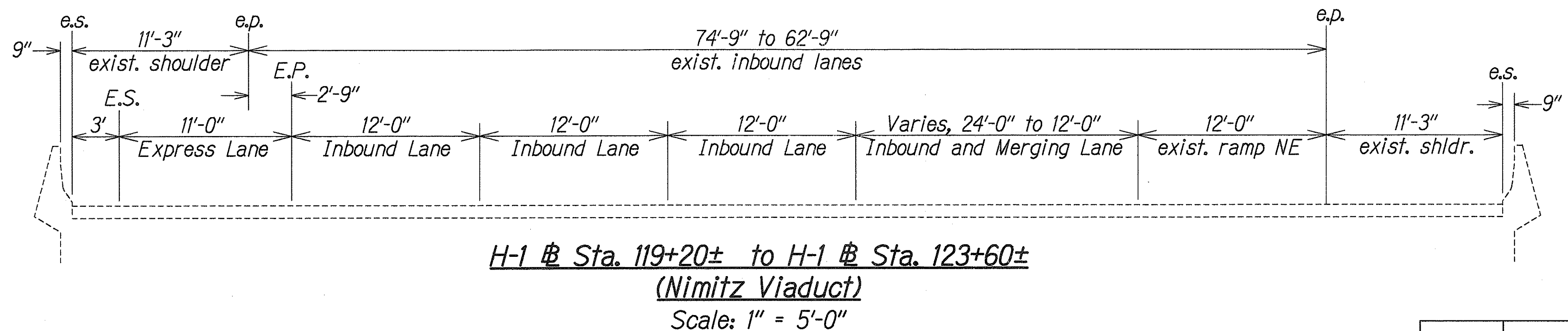
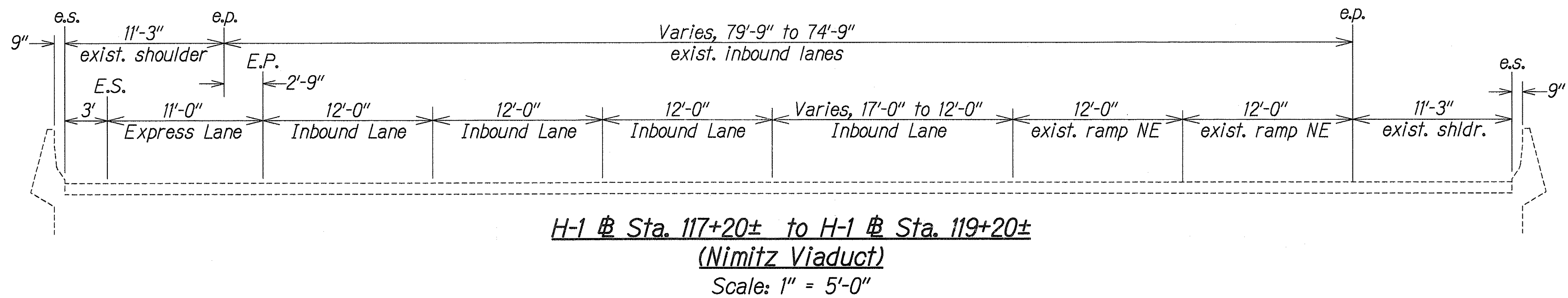
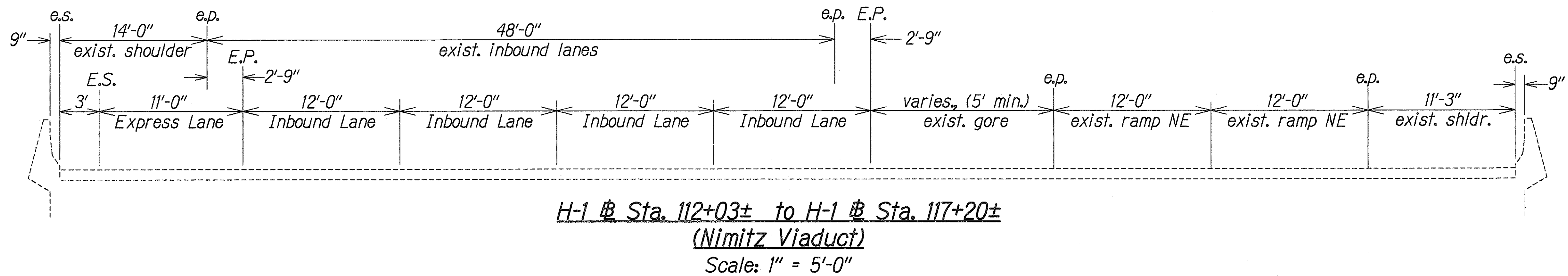
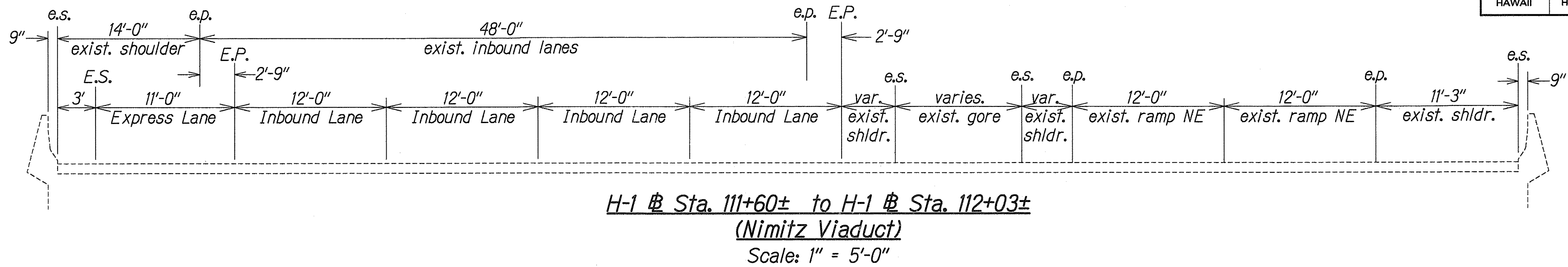
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: October, 1997

SHEET No. **11** OF **21** SHEETS

6/23/98	Revised and added typical sections.
6/15/98	Revised and added typical sections.
DATE	REVISION

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 14 S-1	344



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

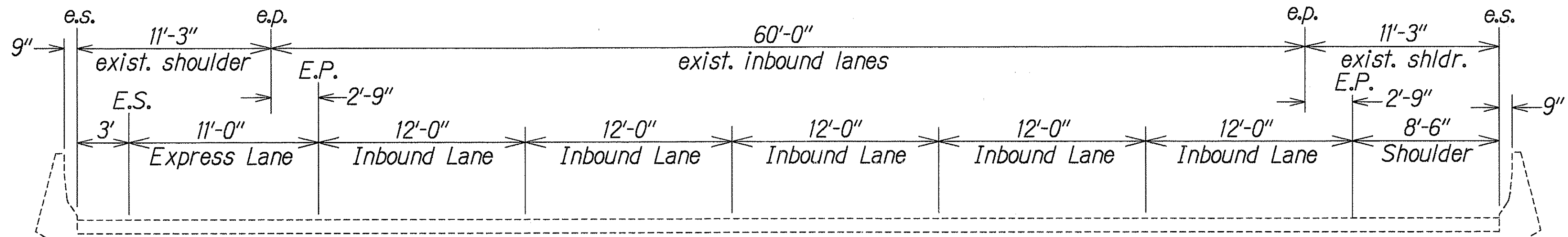
Scale: As Shown Date: October, 1997

SHEET No. 711A OF 21 SHEETS

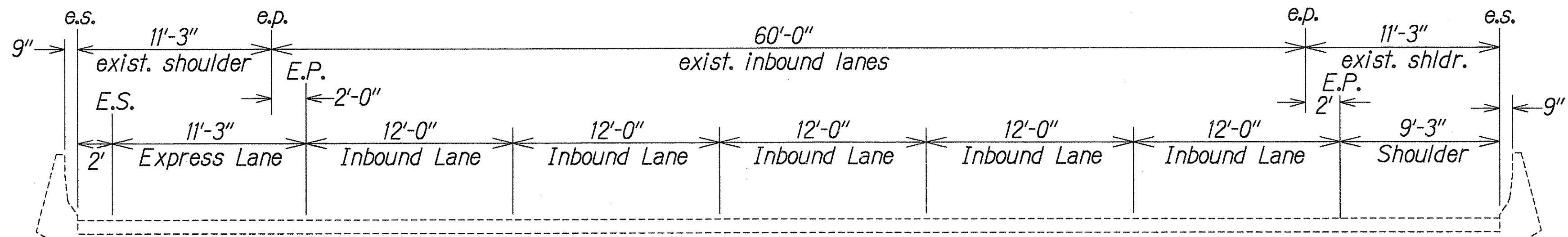
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTED BY	
DATE	

6/23/98	New Sheet
DATE	REVISION

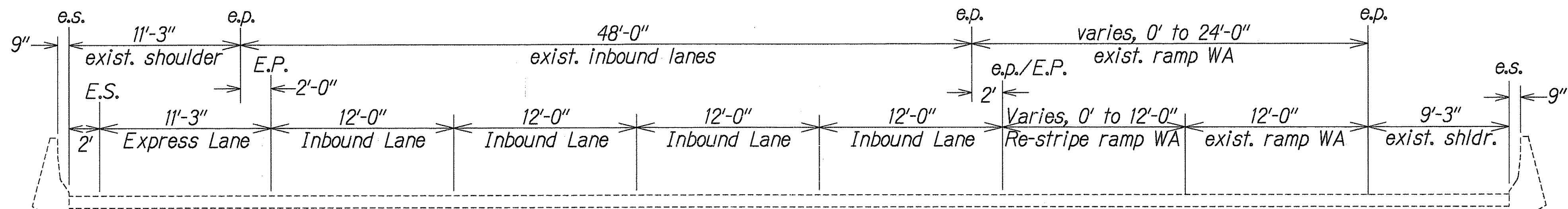
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 14 S-2	344



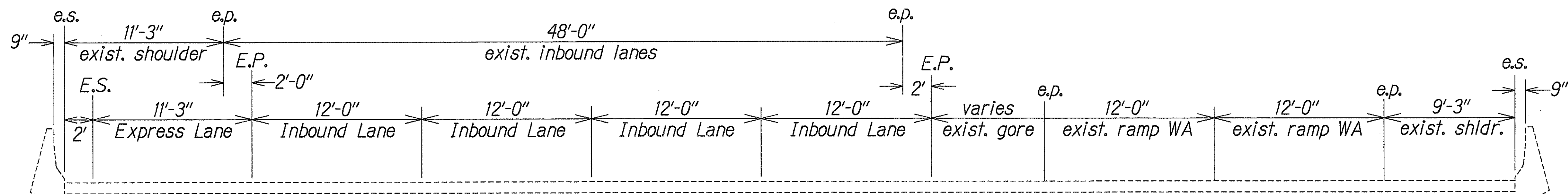
H-1 # Sta. 123+60± to H-1 # Sta. 130+00±
(Nimitz Viaduct)
Scale: 1" = 5'-0"



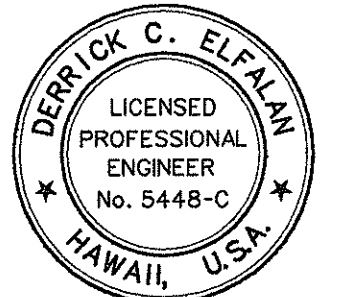
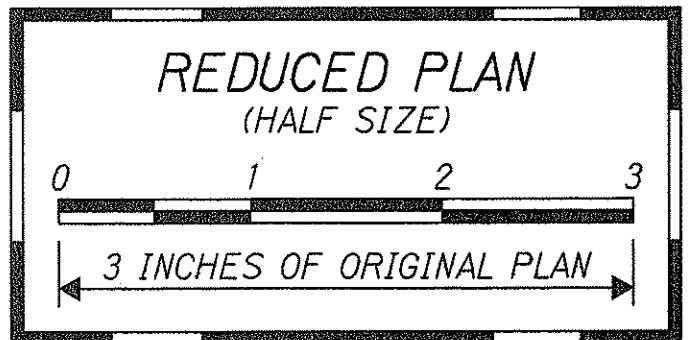
H-1 # Sta. 131+20± to H-1 # Sta. 139+30±
(Nimitz Viaduct)
Scale: 1" = 5'-0"



H-1 # Sta. 139+30± to H-1 # Sta. 142+00±
(Nimitz Viaduct)
Scale: 1" = 5'-0"



H-1 # Sta. 142+00± to H-1 # Sta. 147+70±
(Nimitz Viaduct)
Scale: 1" = 5'-0"



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

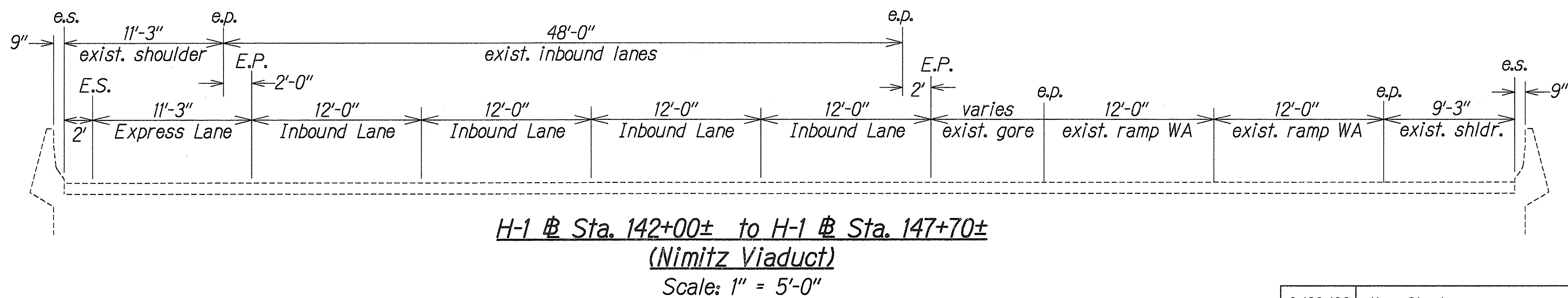
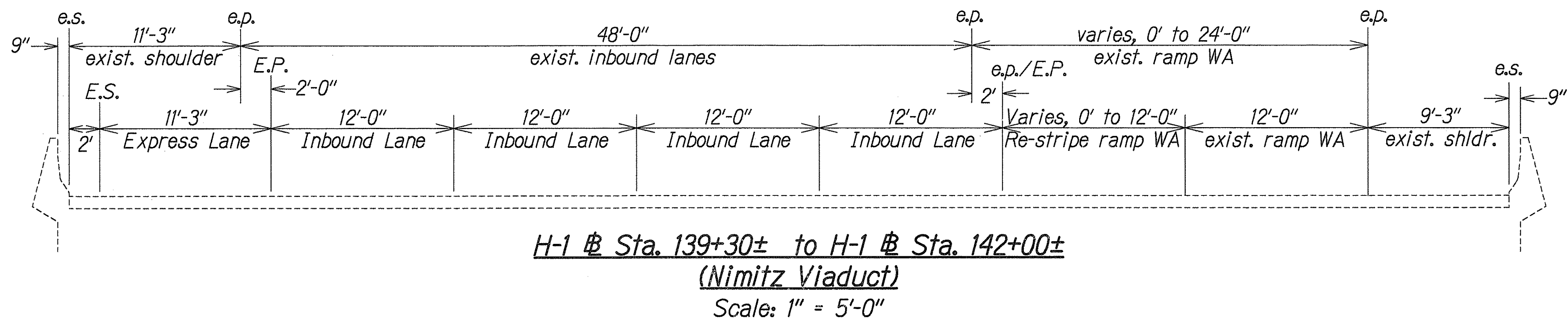
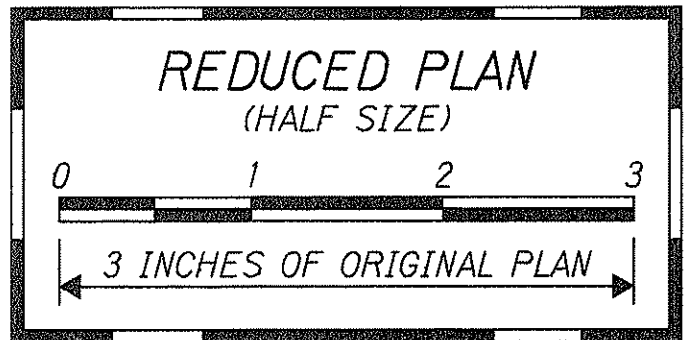
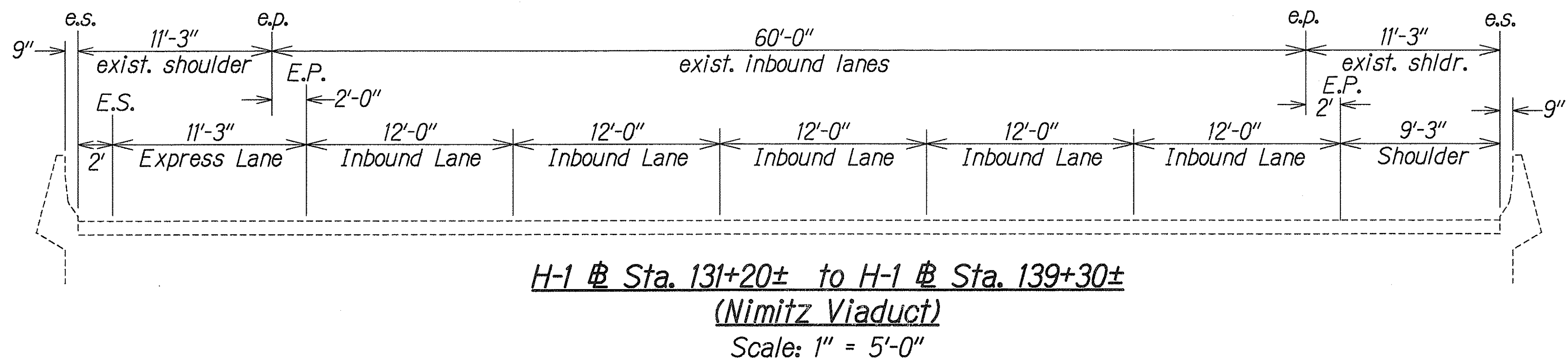
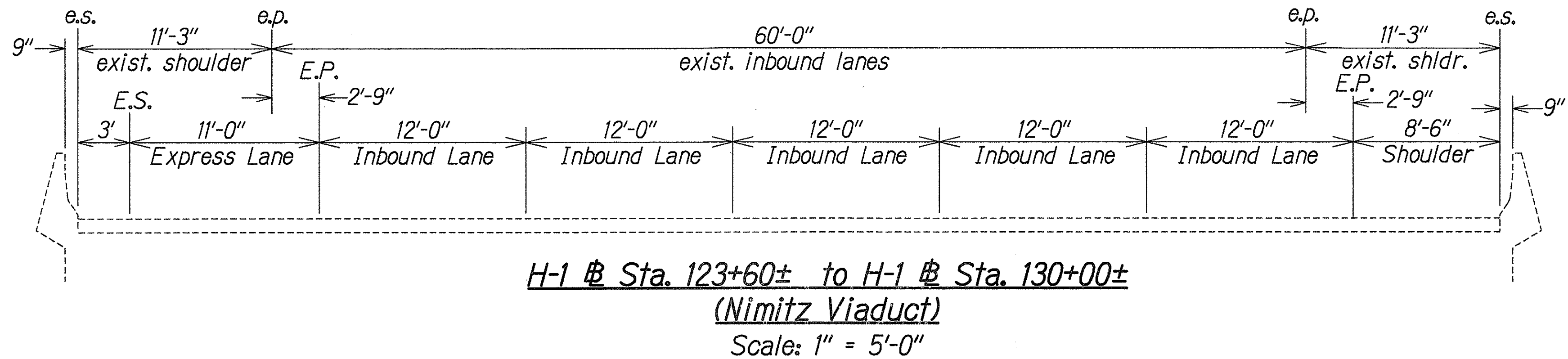
Scale: As Shown Date: October, 1997

SHEET No. **T11B** OF **21** SHEETS

6/23/98 New Sheet.

DATE REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 14 S-3	344



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keahi Interchange
PROJECT NO. HIEFG-01-96

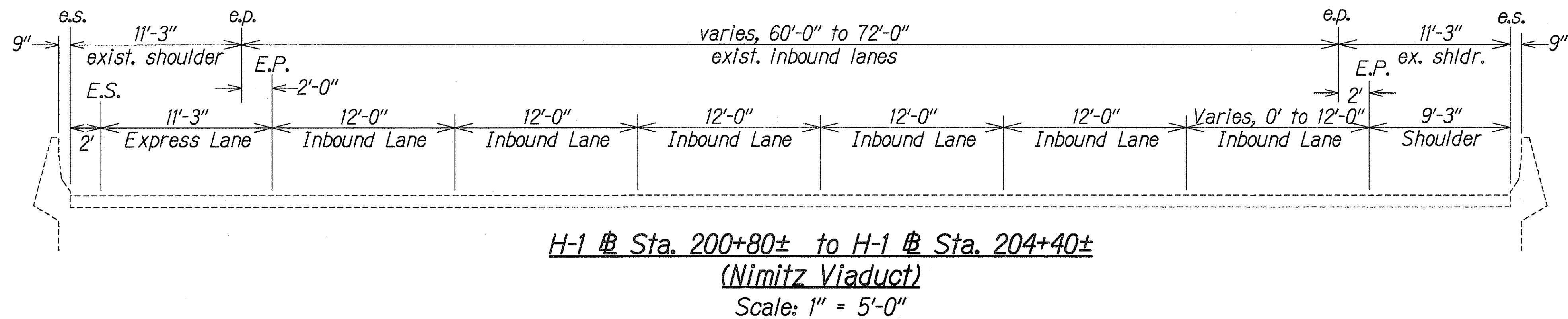
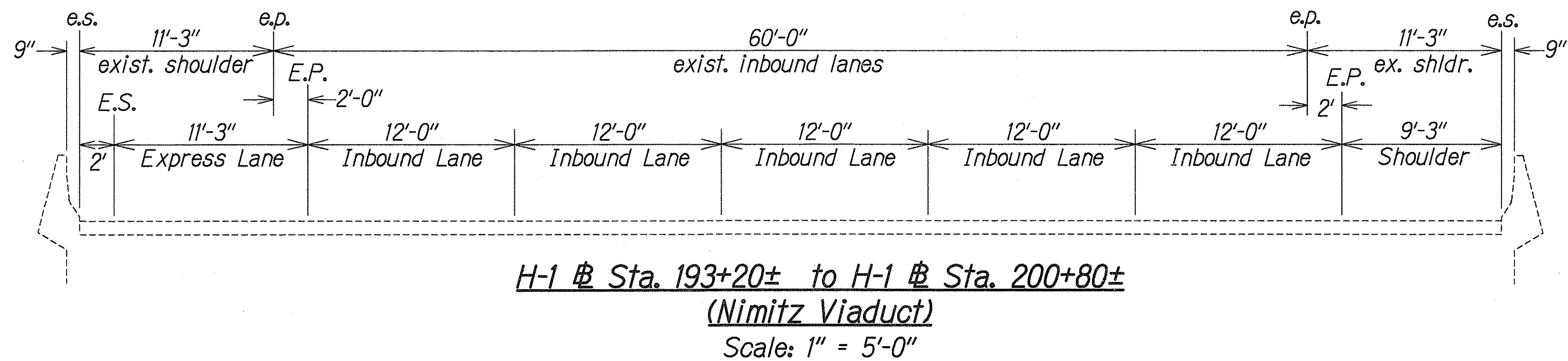
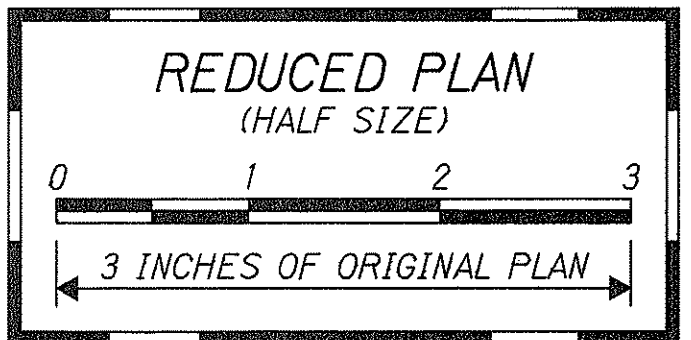
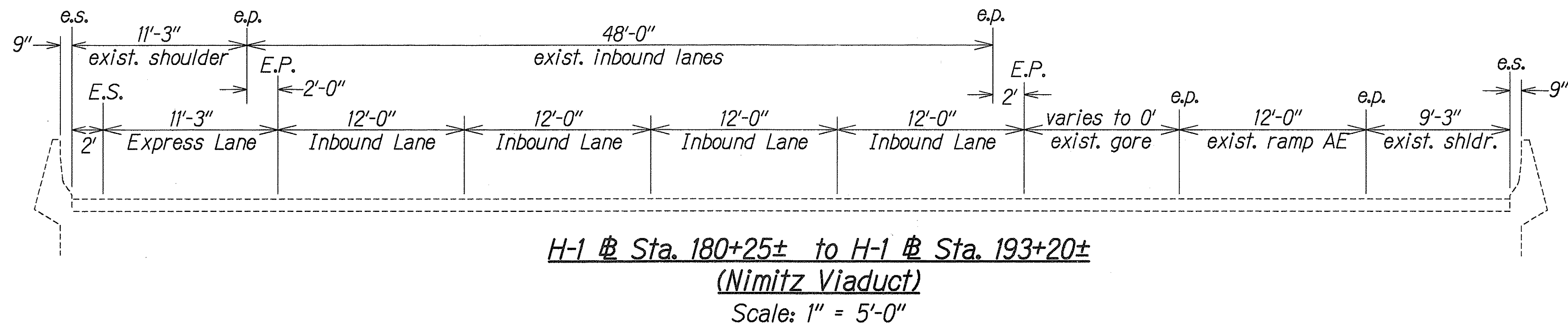
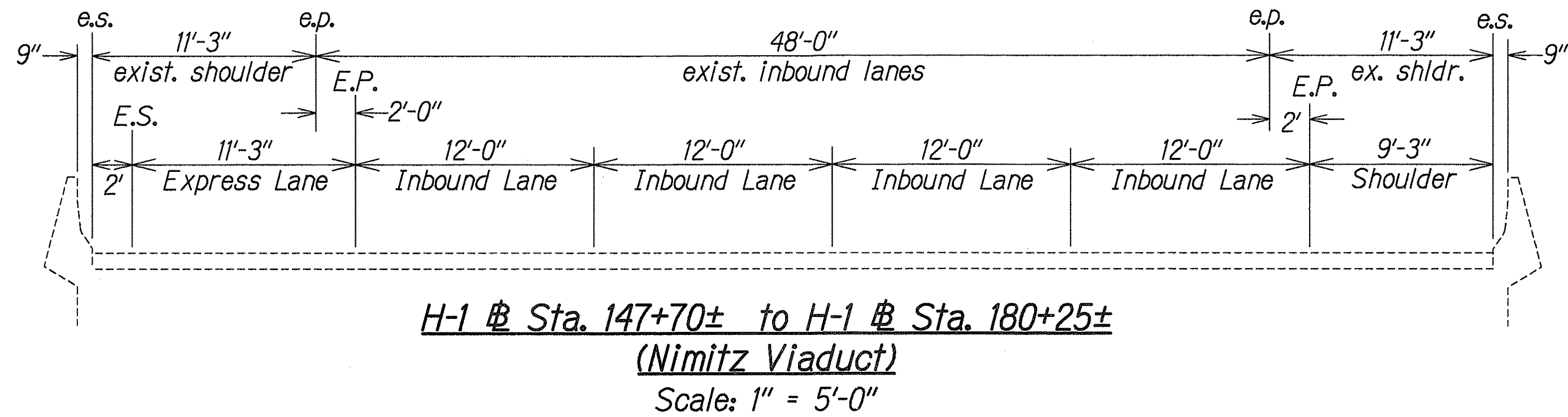
Scale: As Shown Date: October, 1997

SHEET No. **THC** OF **21** SHEETS

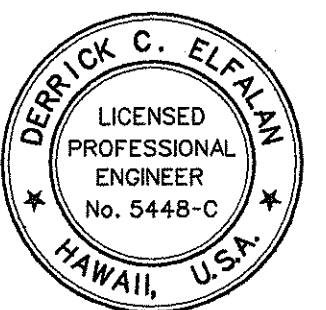
6/23/98 New Sheet.

DATE REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 14 S-4	344



SURVEY PLOTTED BY	DATE
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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
Waiawa Interchange to Keolu Interchange
PROJECT NO. HIEFG-01-96

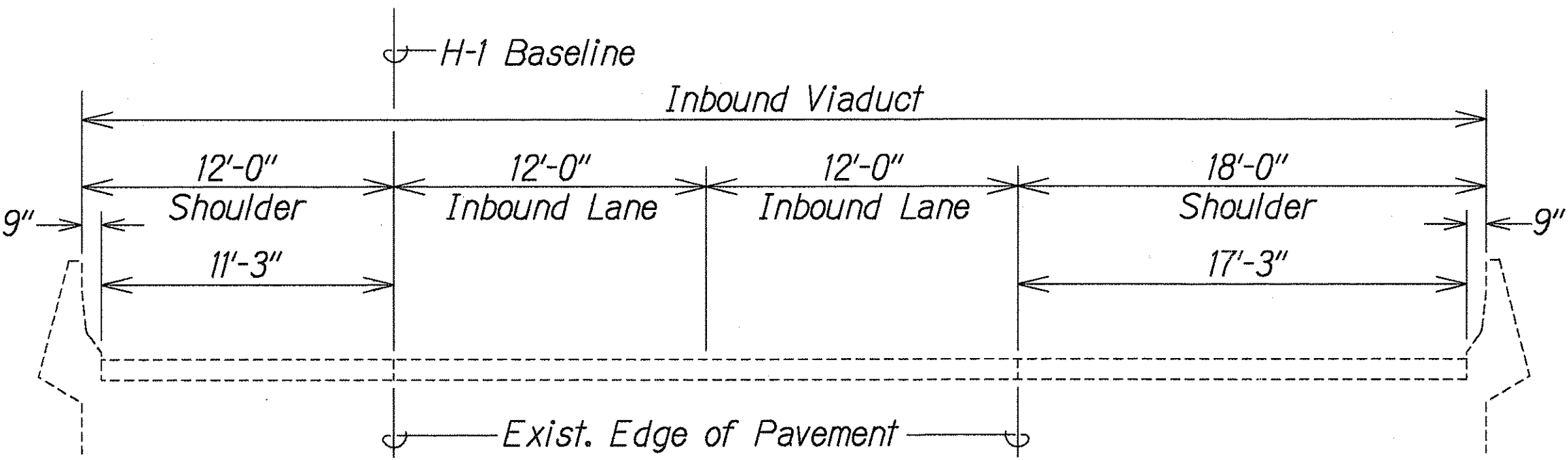
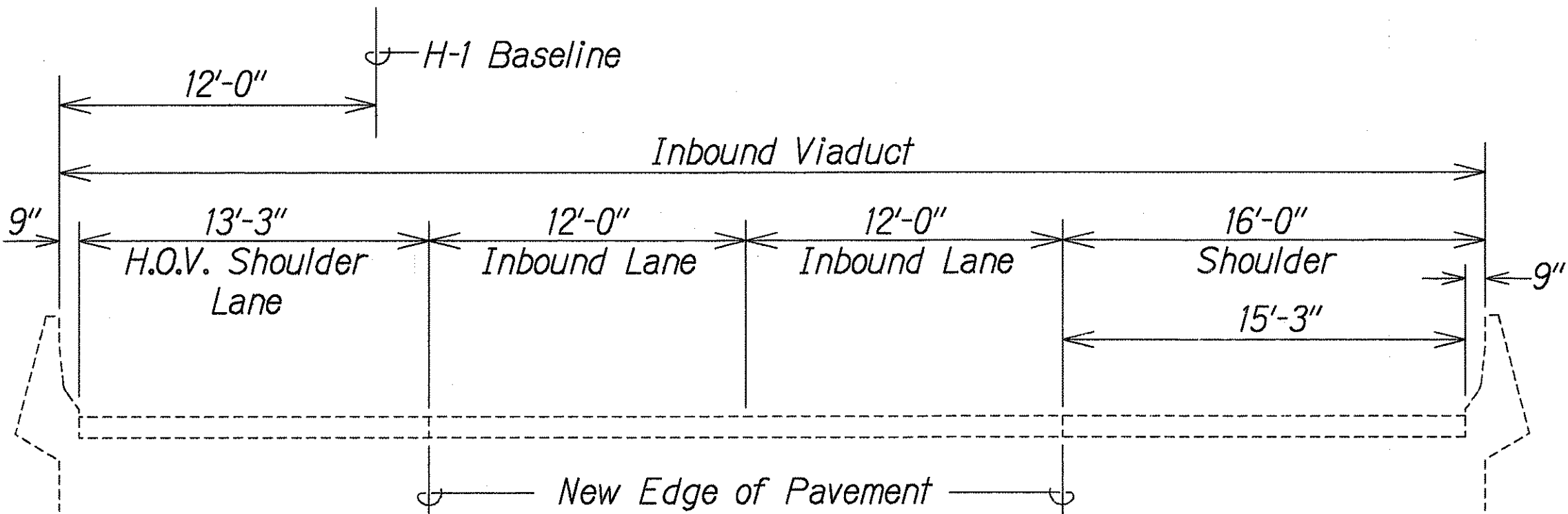
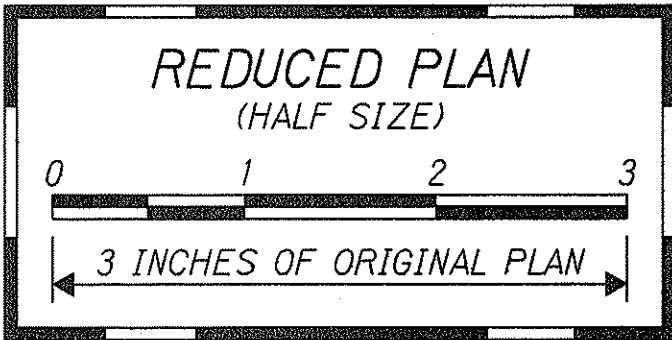
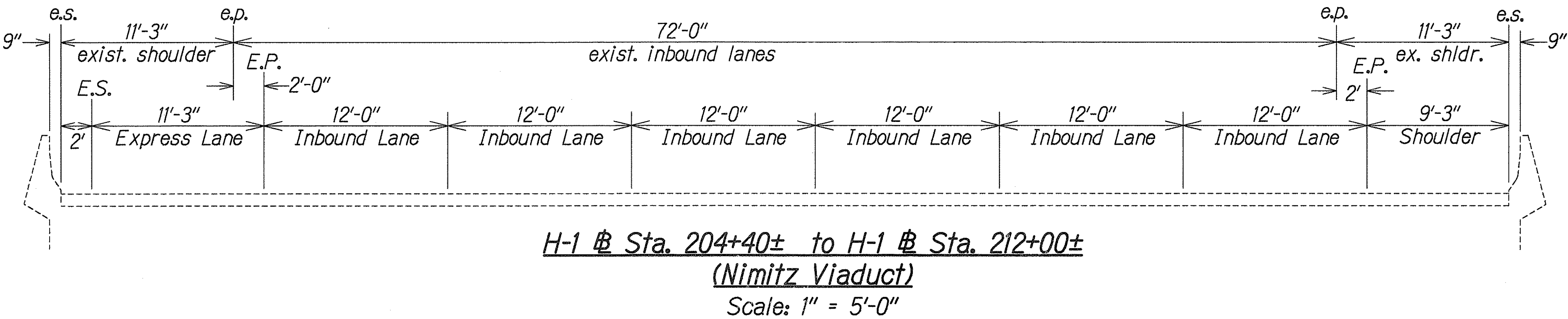
Scale: As Shown Date: October, 1997

SHEET No. 111D OF 21 SHEETS

6/23/98 New Sheet.

DATE REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 14 S-5	344



Lanes to Middle Street Tunnel
 Scale: 1" = 5'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
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ORIGINAL PLAN	
NOTE BOOK	
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

H-1 TYPICAL SECTIONS

INTERSTATE ROUTE H-1
 CONTRAFLOW AND SHOULDER LANE
 Waiawa Interchange to Keolu Interchange
 PROJECT NO. HIEFG-01-96

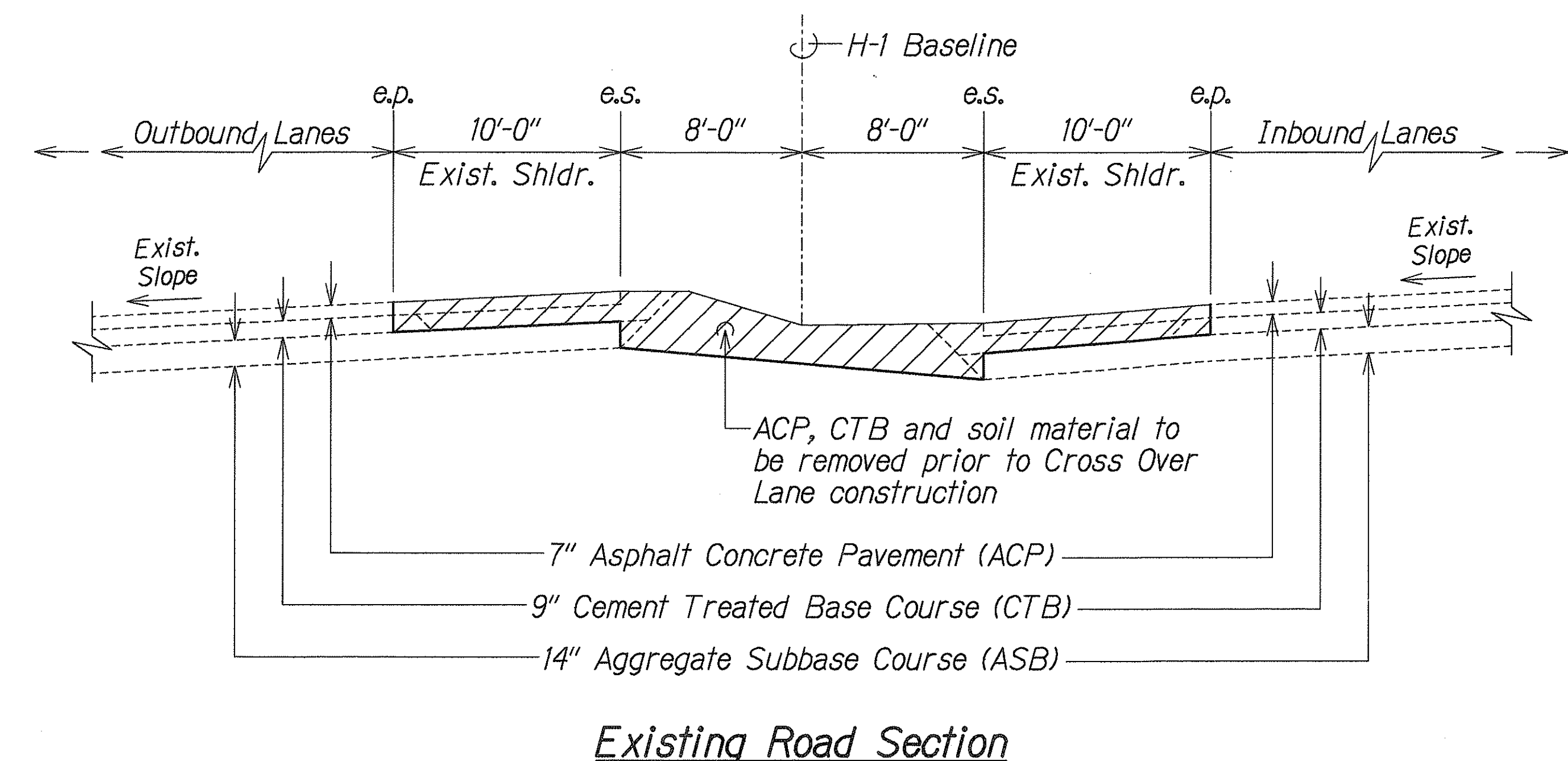
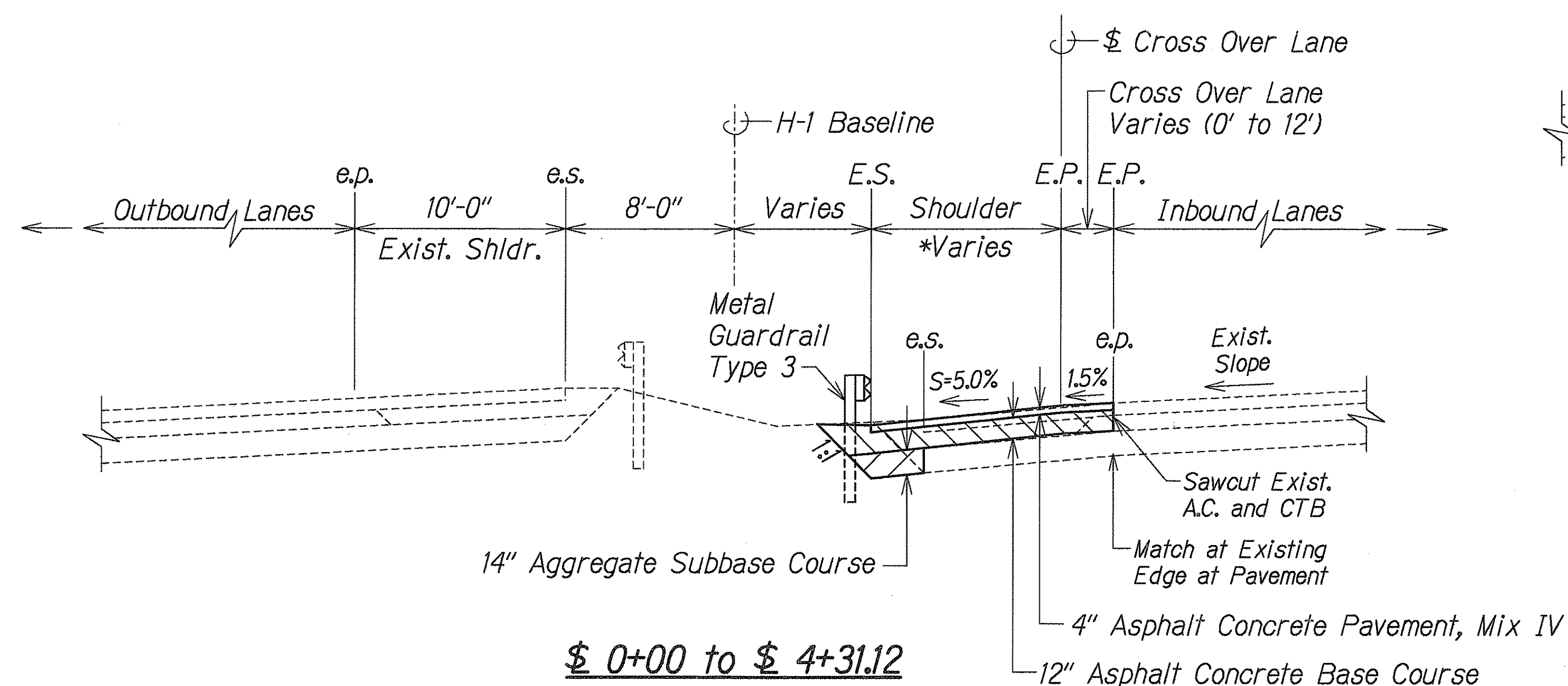
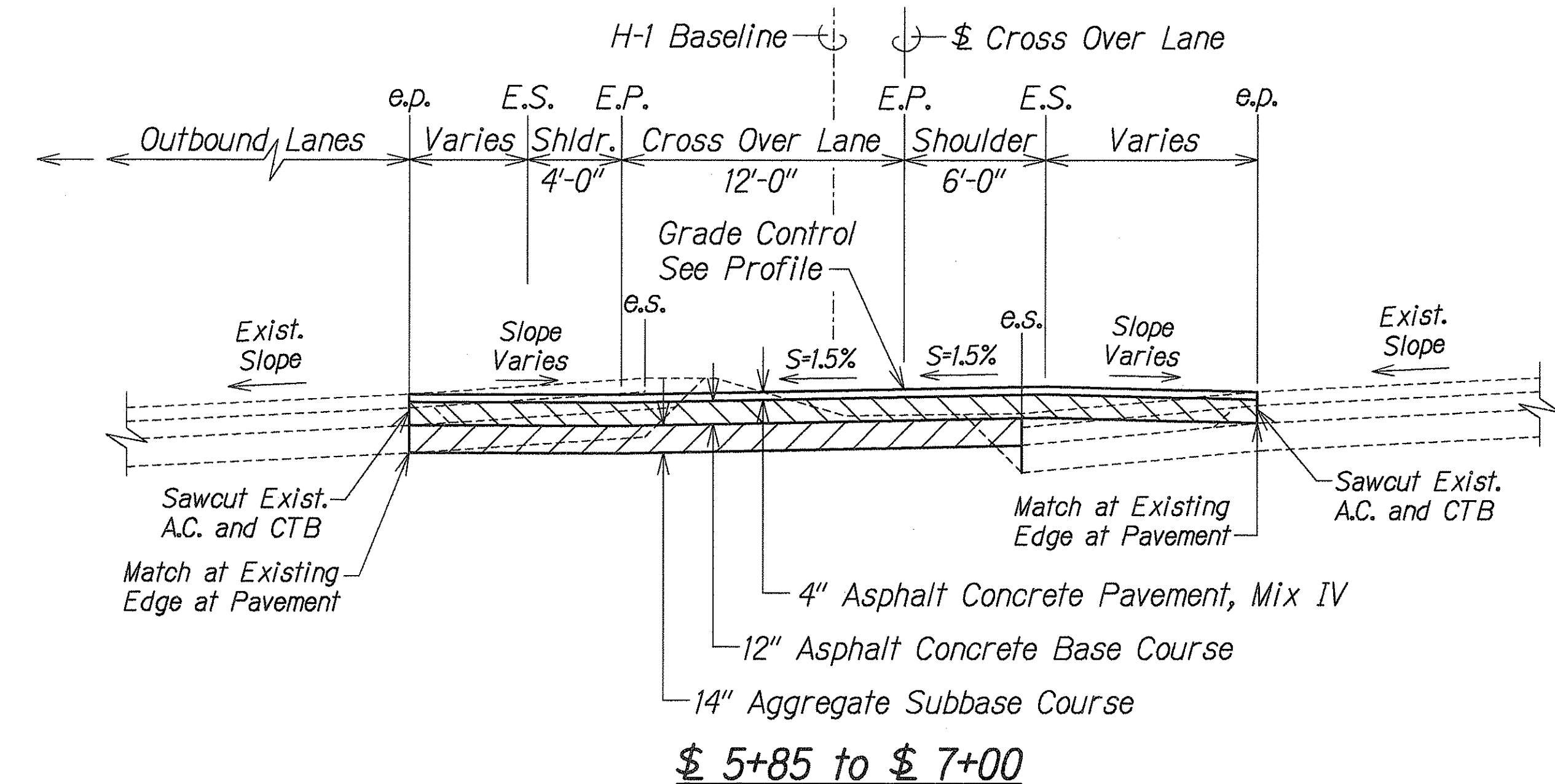
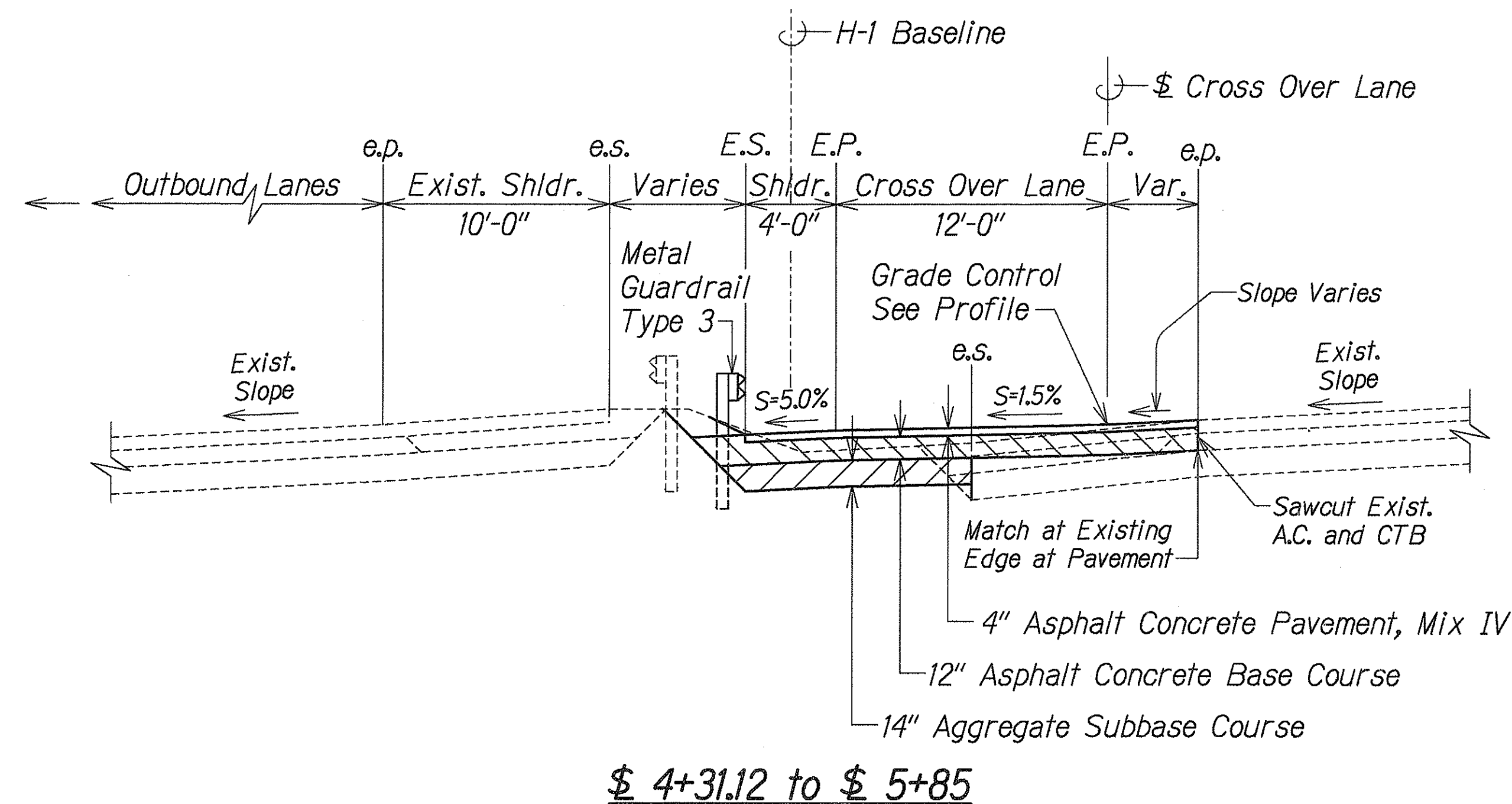
Scale: As Shown Date: October, 1997

SHEET No. 711 OF 21 SHEETS

6/23/98 New Sheet.

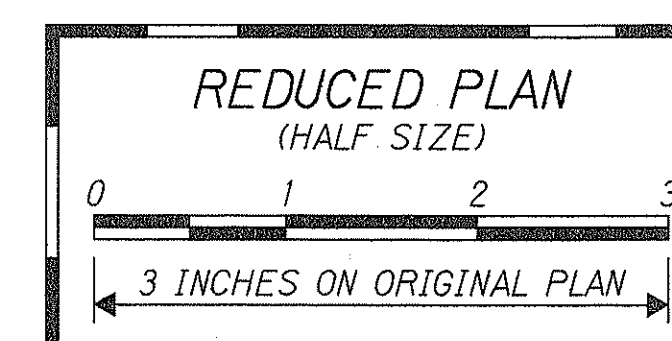
DATE REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 15	344



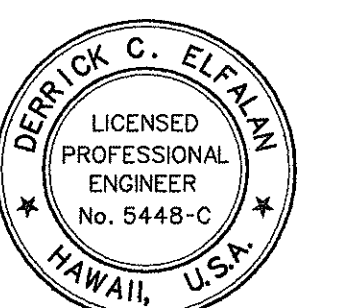
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	

TYPICAL SECTIONS - CROSS OVER NO. 1
Scale: 1" = 5'-0"



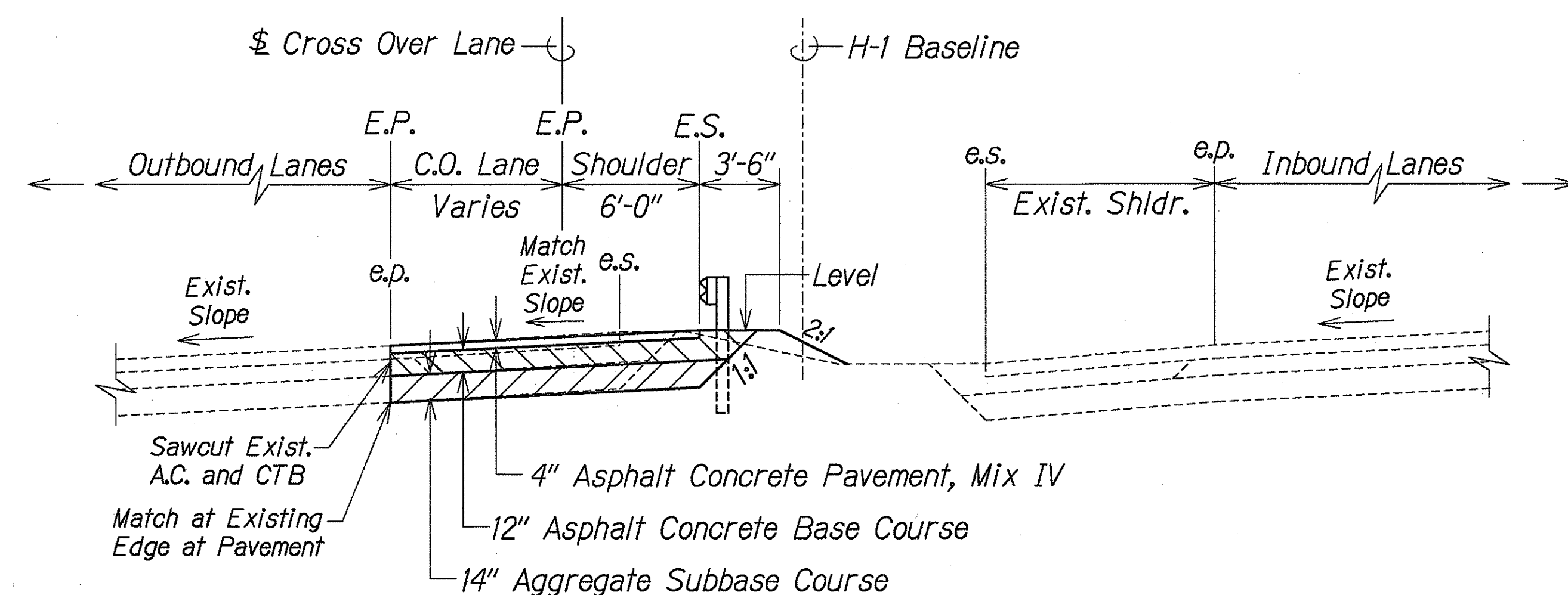
5/01/98	Revised finish cross slope for sections \$ 0+00 to \$ 4+31.12
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
TYPICAL SECTIONS CROSS-OVER NO. 1
INTERSTATE ROUTE H-1 CONTRAFLOW AND SHOULDER LANE PROJECT NO. HIEFG-01-96
Scale: 1" = 5'-0" Date: October, 1997
SHEET No. T12 OF 21 SHEETS

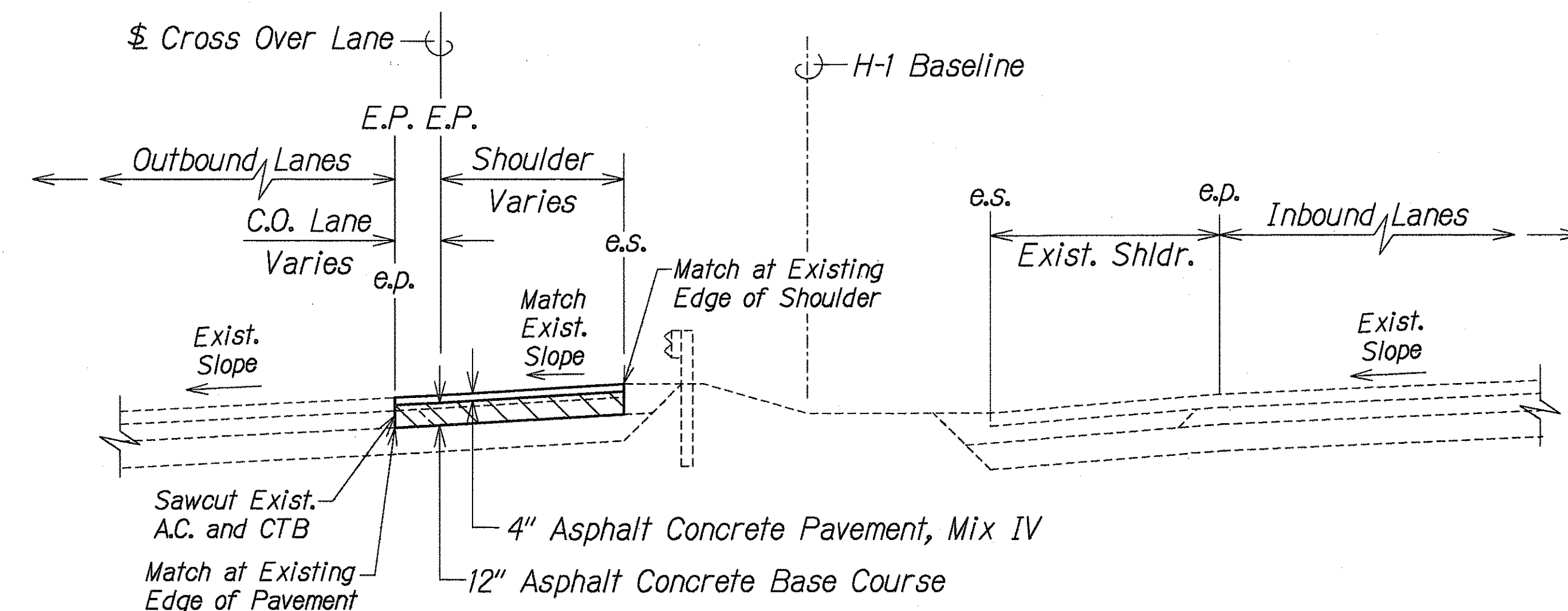


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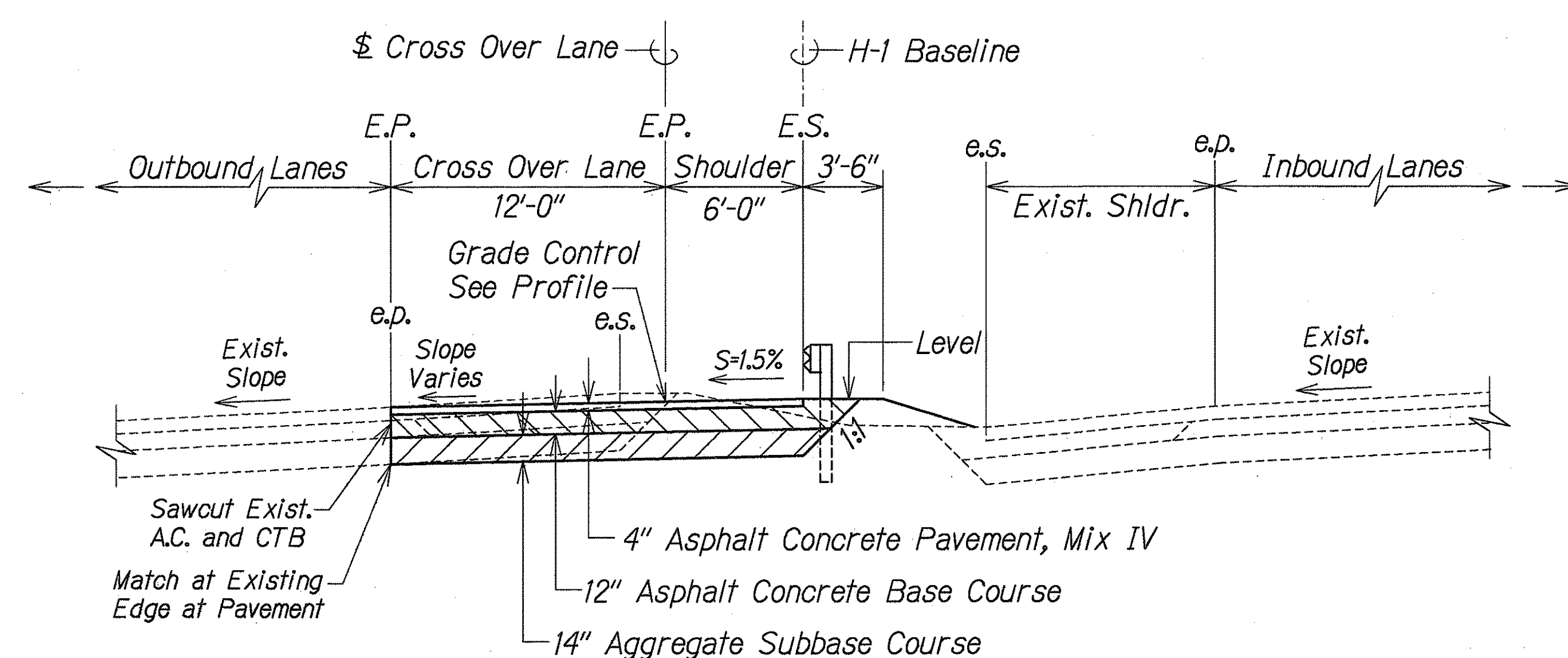
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	16	344



\$ 7+55.82 to \$ 8+54

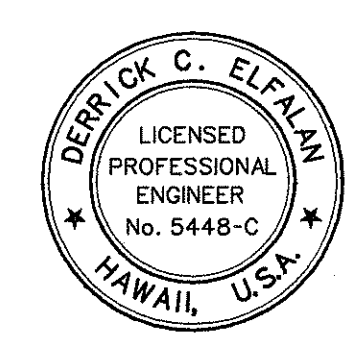


~~\$ 7+55.82 to \$ 8+54~~
\$ 8+54 to \$ 9+94.62



\$ 7+00 to \$ 7+55.82

TYPICAL SECTIONS - CROSS OVER NO. 1
Scale: 1" = 5'-0"



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DATE: October, 1997

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
CROSS-OVER NO. 1

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
PROJECT NO. HIEFG-01-96

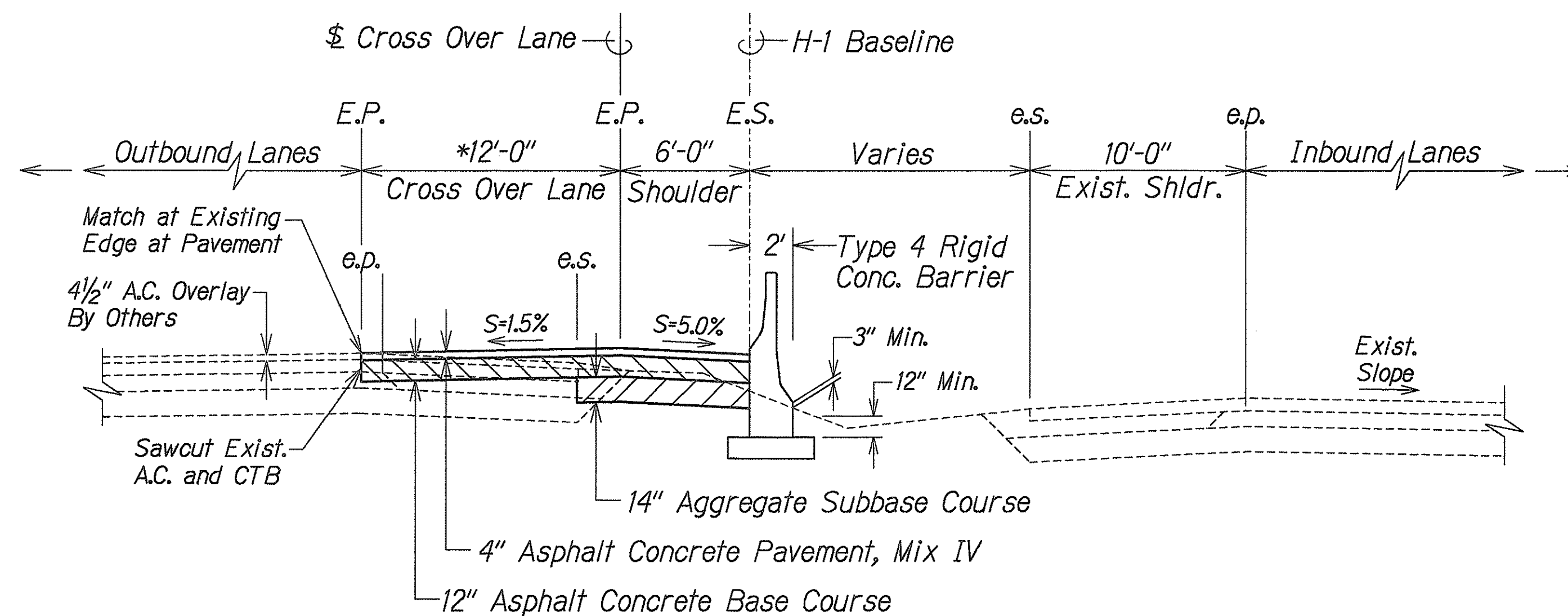
Scale: 1" = 5'-0" Date: October, 1997

SHEET No. 713 OF 21 SHEETS

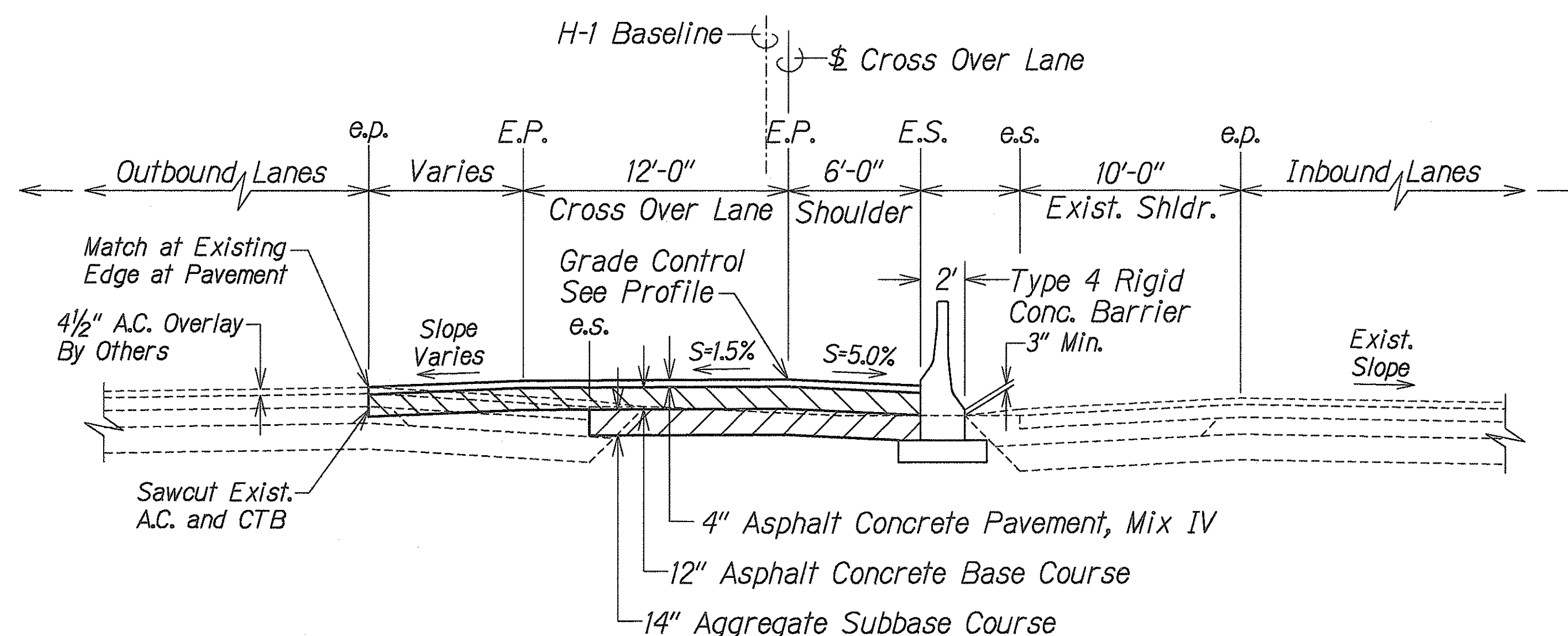
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 18	344

* Cross Over Lane tapers from 12'-0" wide at \$ 10+00.30 to 0'-0" wide at \$ 13+00.53.



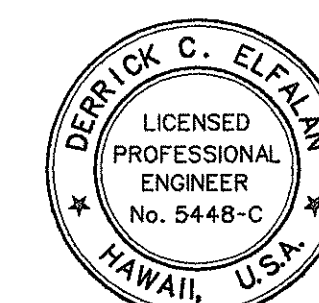
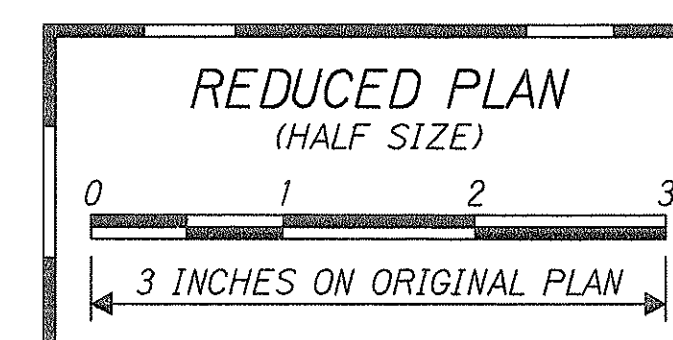
\$ 7+25.45 to \$ 13+00.53



\$ 5+50 to \$ 7+25.45

TYPICAL SECTIONS - CROSS OVER NO. 2

Scale: 1" = 5'-0"



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 dba PARK ENGINEERING

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 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS CROSS-OVER NO. 2

INTERSTATE ROUTE H-1
 CONTRAFLOW AND SHOULDER LANE
 PROJECT NO. HIEFG-01-96

Scale: 1" = 5'-0" Date: October, 1997

SHEET No. 115 OF 121 SHEETS

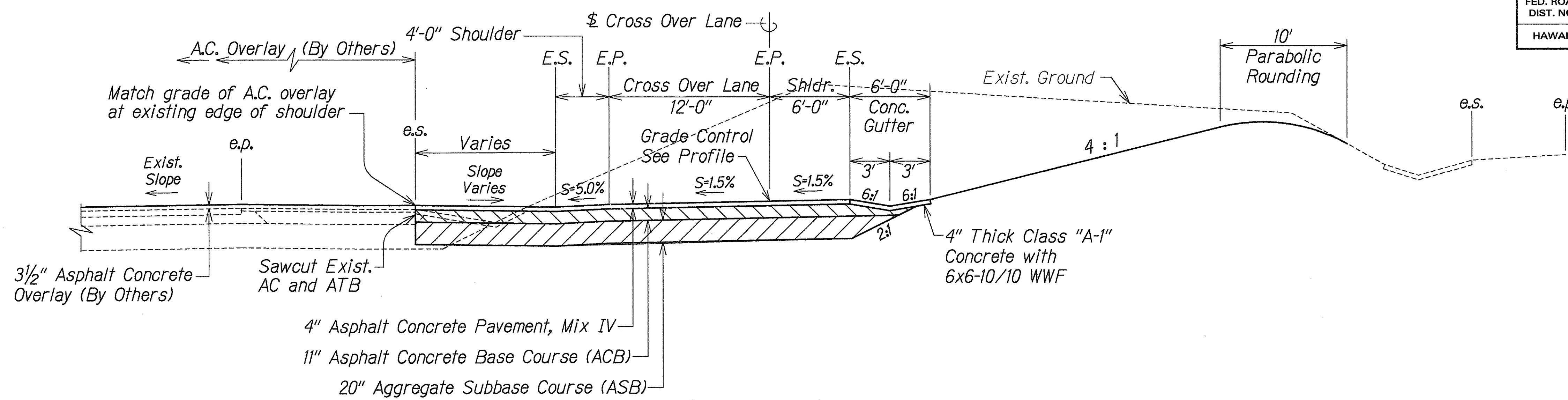
C.O. 18

4/28/98 Revised typical sections.

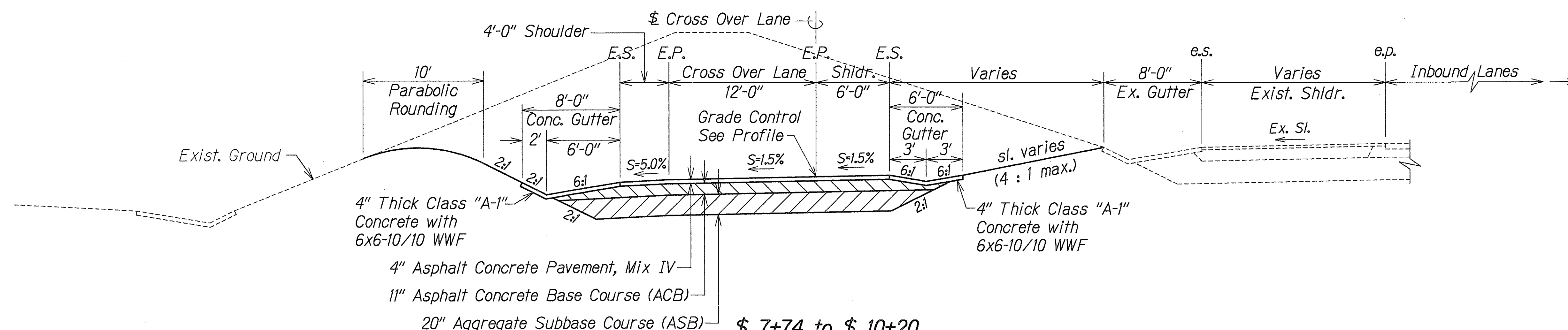
DATE REVISION

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

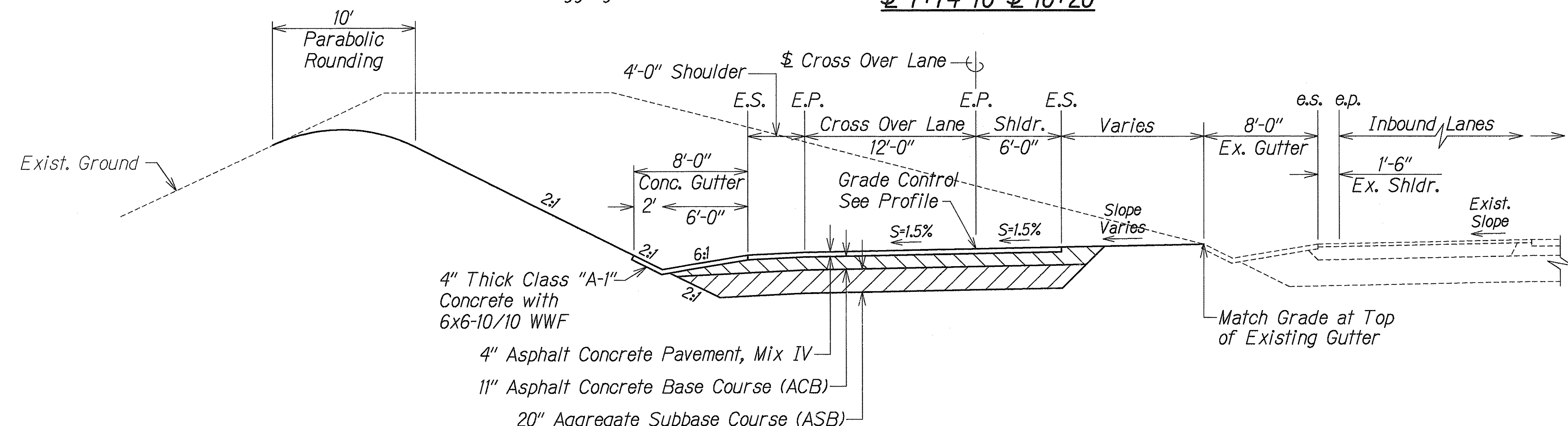
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 20	344



\$ 10+20 to \$ 11+21



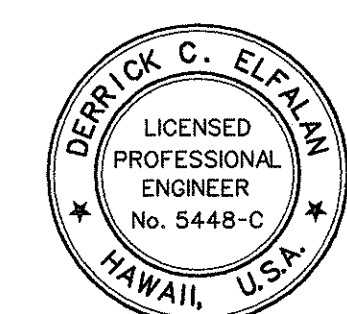
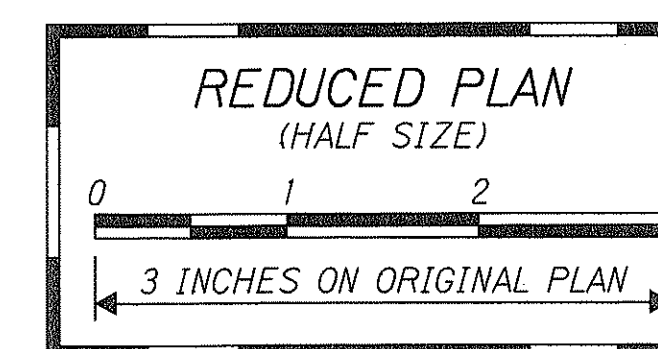
\$ 7+74 to \$ 10+20



\$ 4+00± to \$ 7+74

TYPICAL SECTIONS - CROSS OVER NO. 3

Scale: 1" = 5'-0"



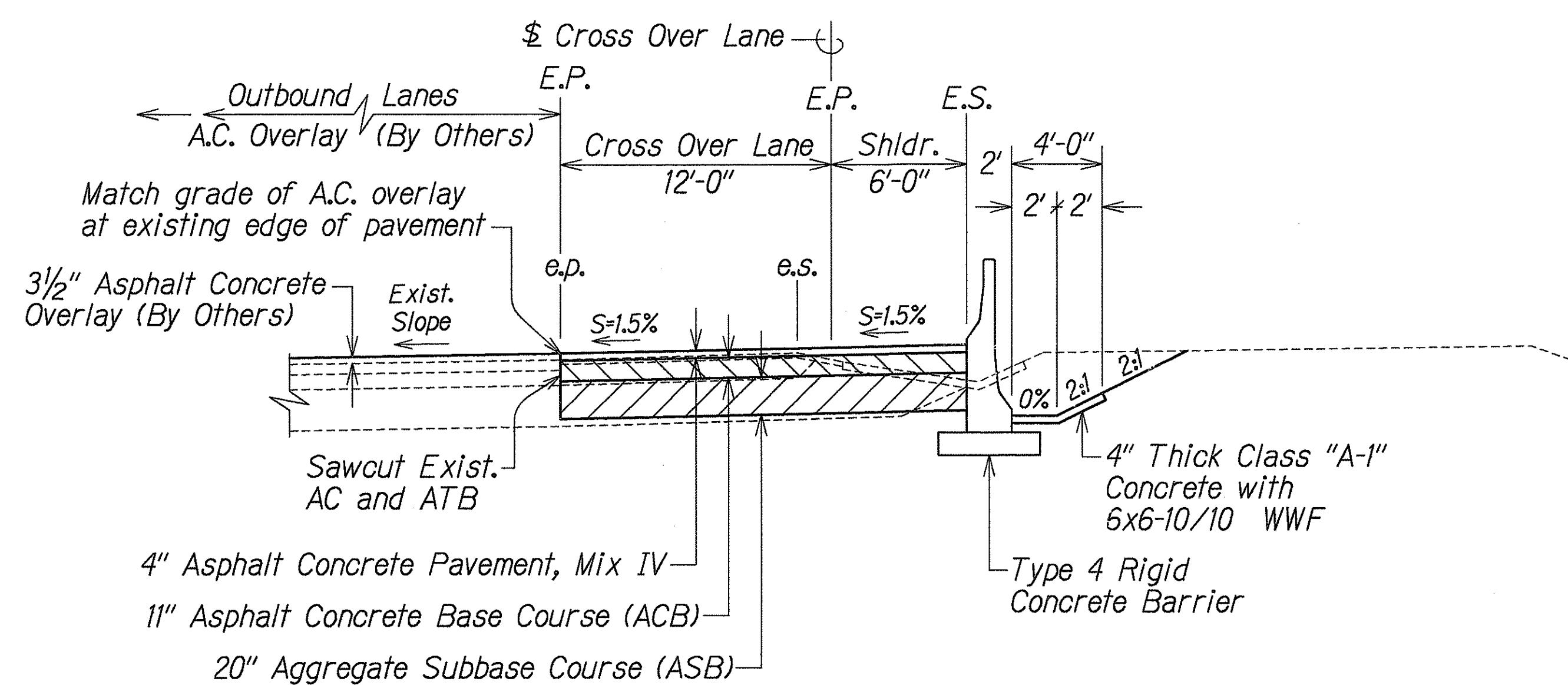
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 P/E, Inc.
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS CROSS-OVER NO. 3	
INTERSTATE ROUTE H-1 CONTRAFLOW AND SHOULDER LANE PROJECT NO. HIEFG-01-96	
Scale: 1" = 5'-0"	Date: October, 1997
SHEET No. 117 OF 21 SHEETS	

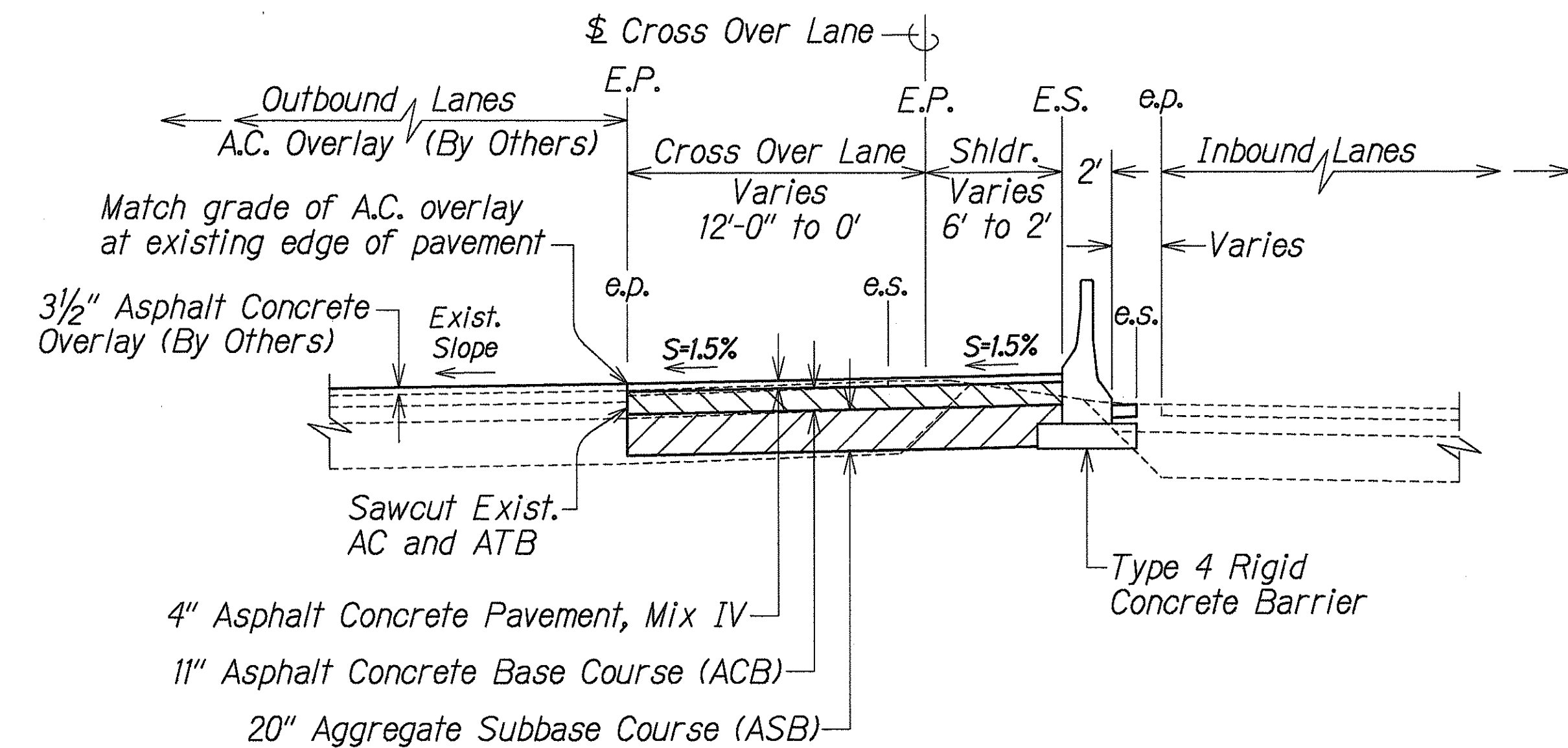
3/24/98	Revised Typical Section for \$ 10+20 to \$ 11+21
DATE	REVISION

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

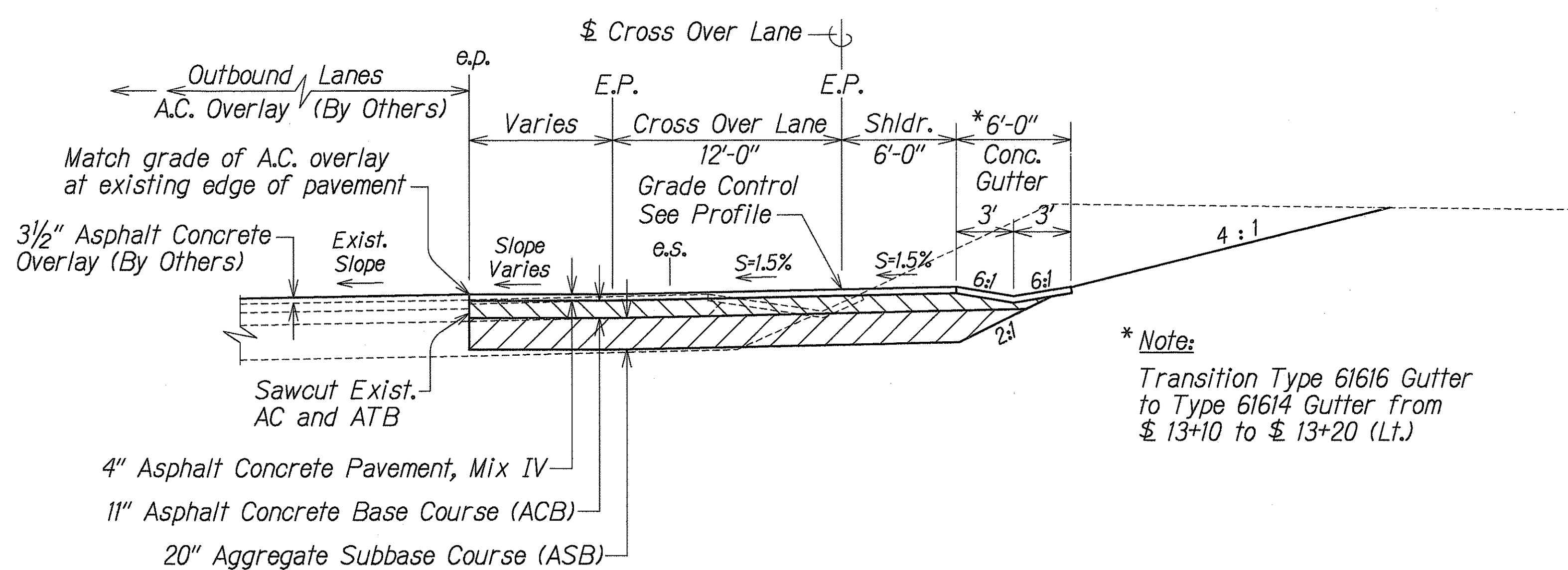
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 21	344



\$ 13+10 to \$ 16+52



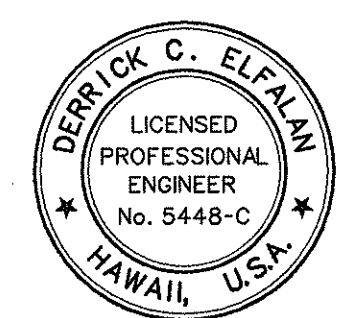
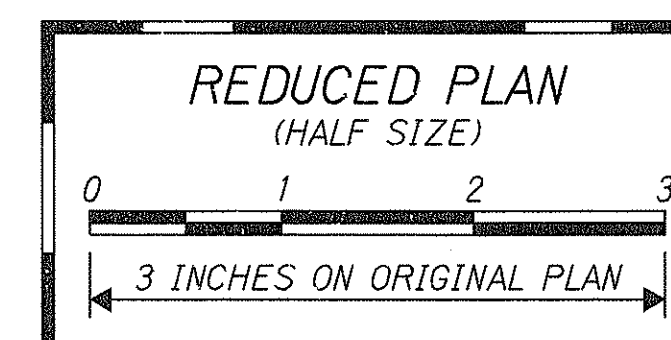
\$ 16+52 to \$ End



\$ 11+21 to \$ 13+10

* Note:
Transition Type 61616 Gutter
to Type 61614 Gutter from
\$ 13+10 to \$ 13+20 (Lt.)

TYPICAL SECTIONS - CROSS OVER NO. 3
Scale: 1" = 5'-0"



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dco PARK ENGINEERING

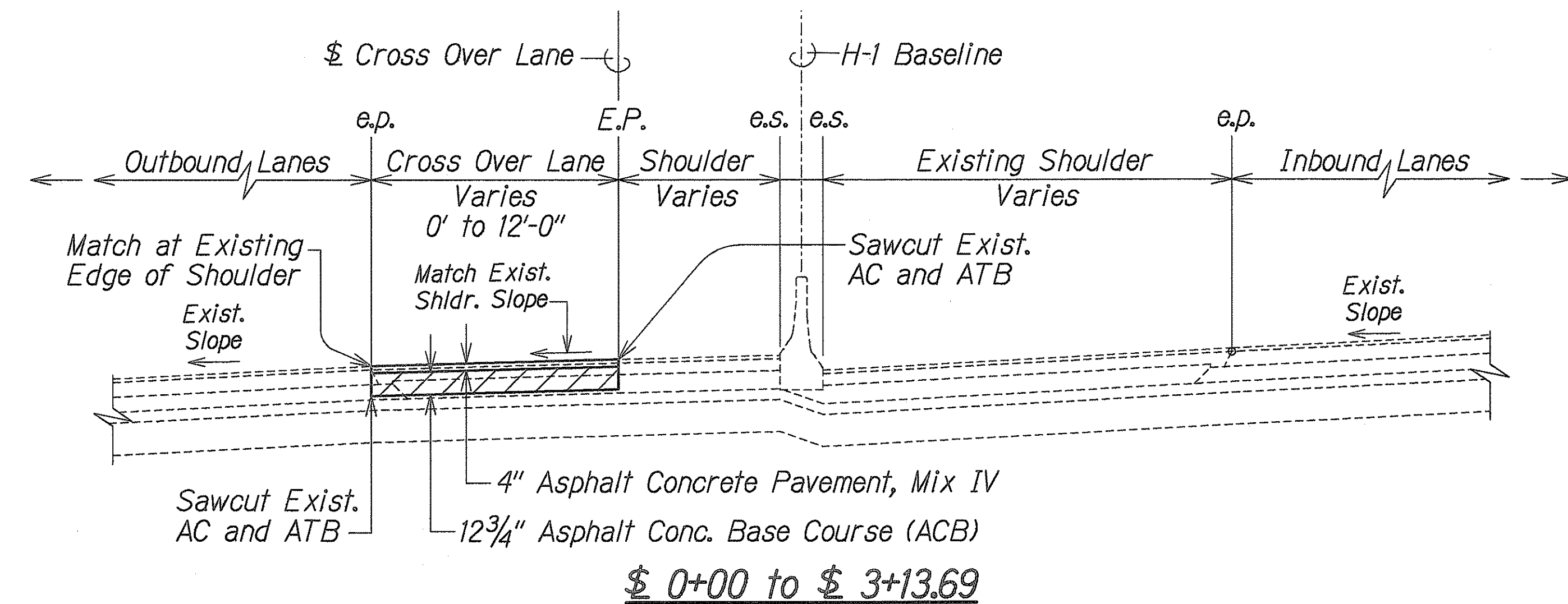
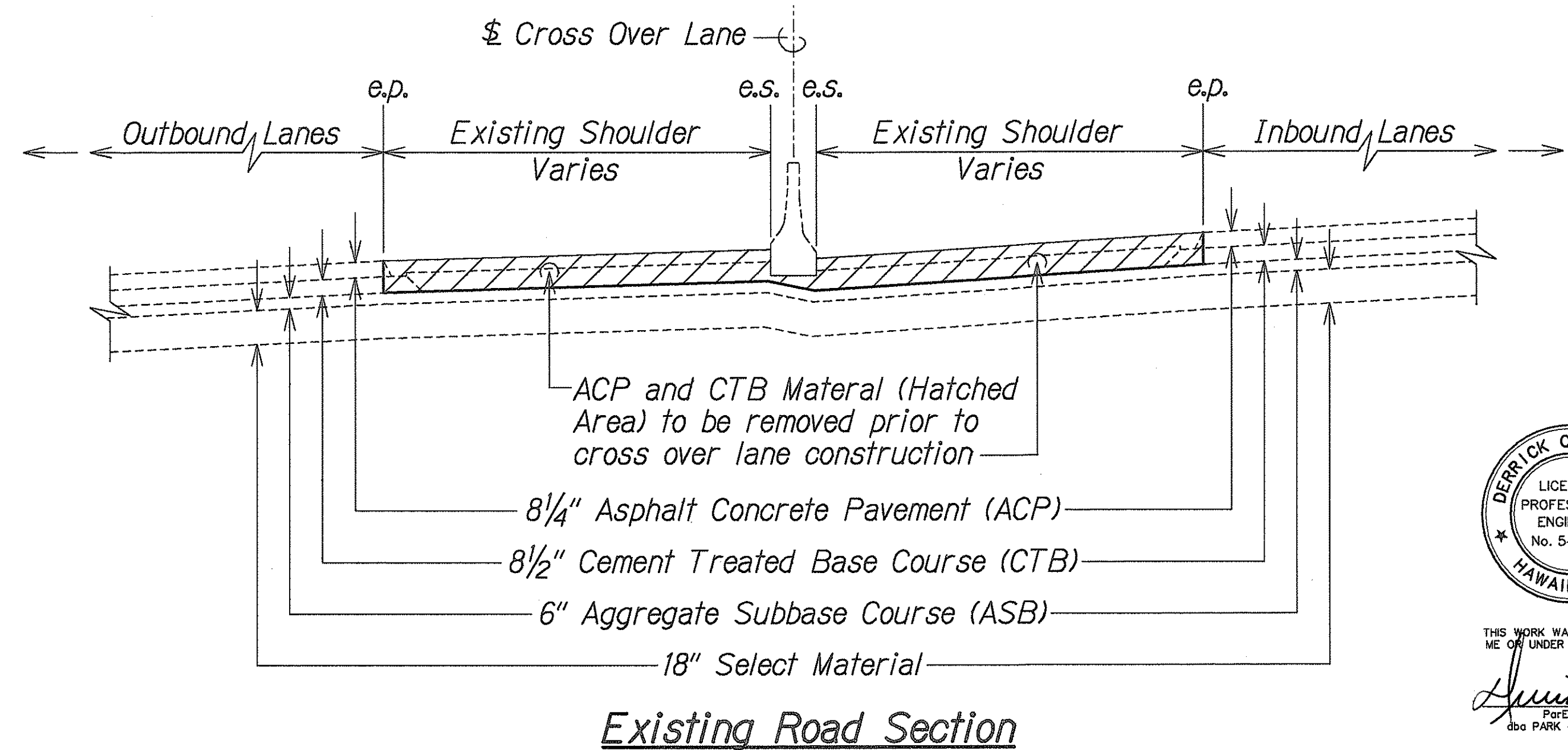
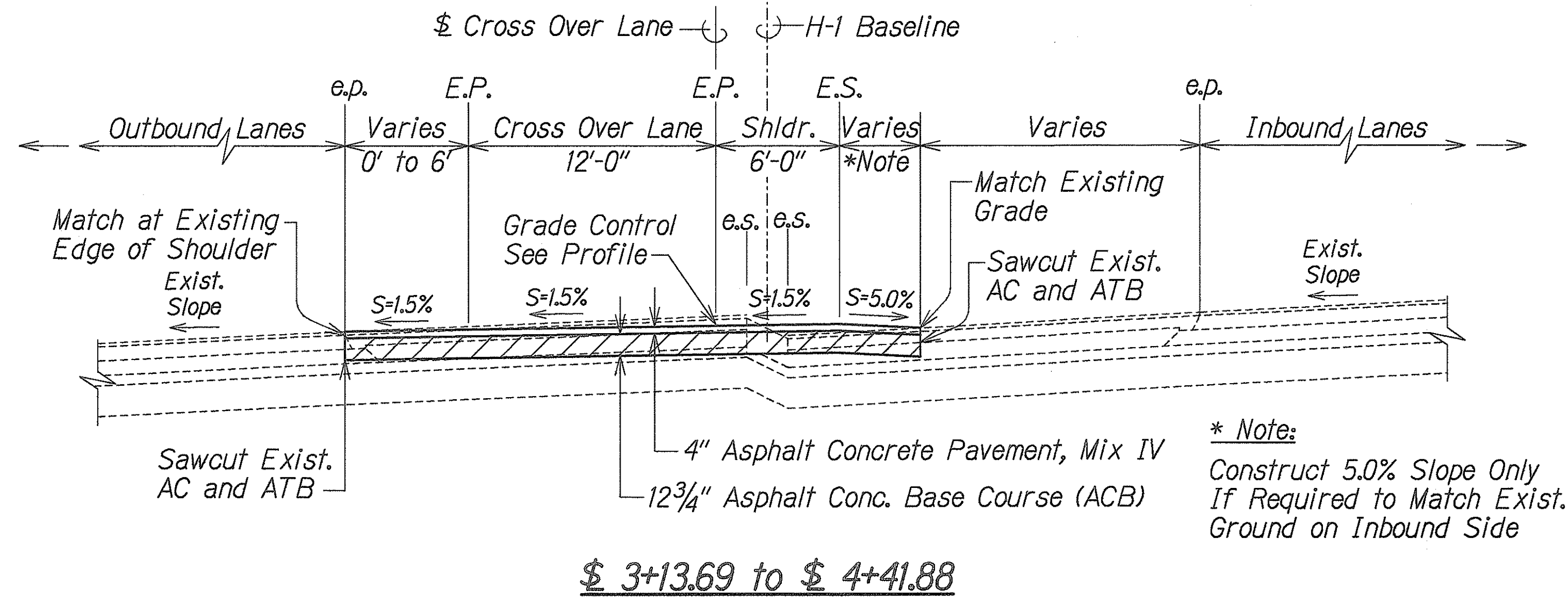
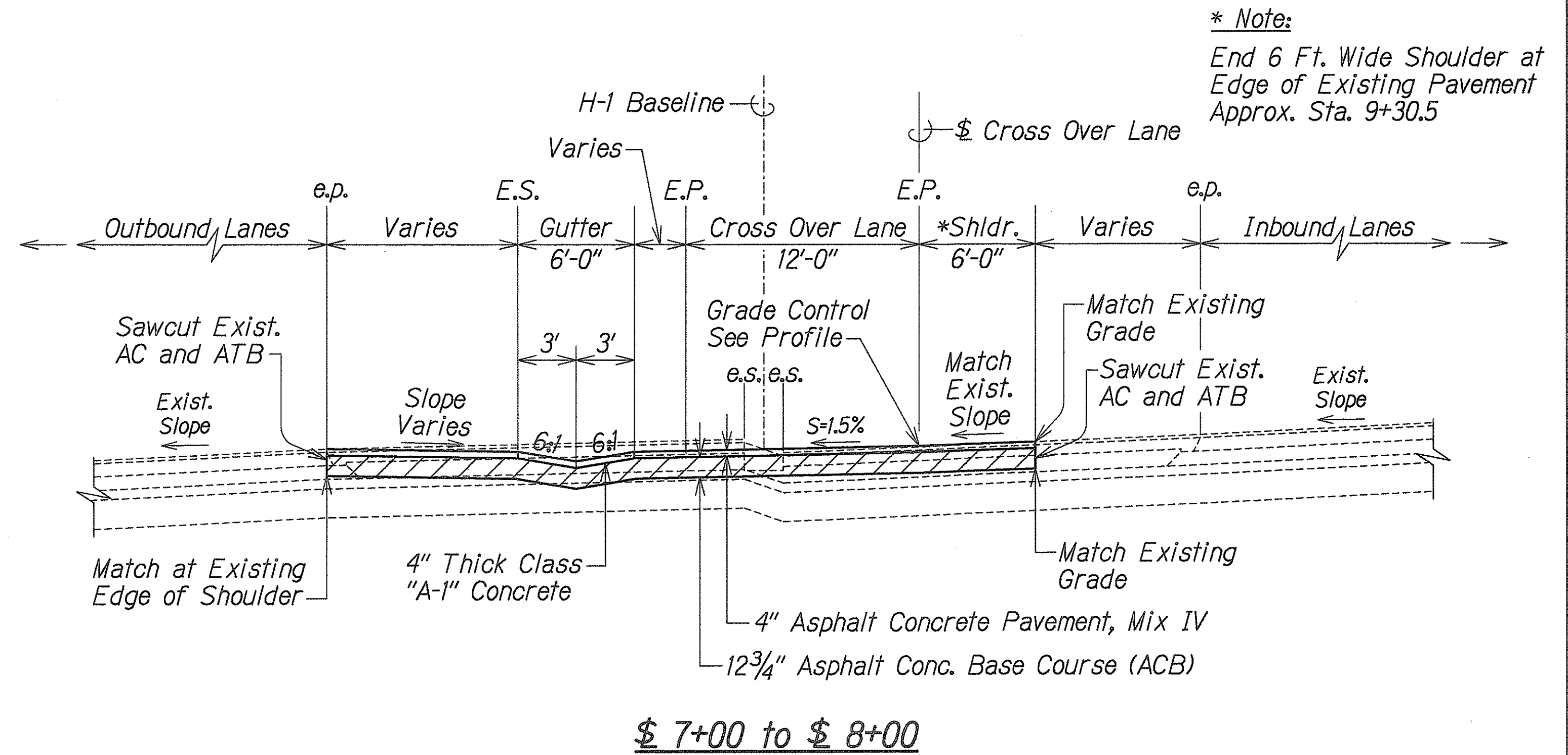
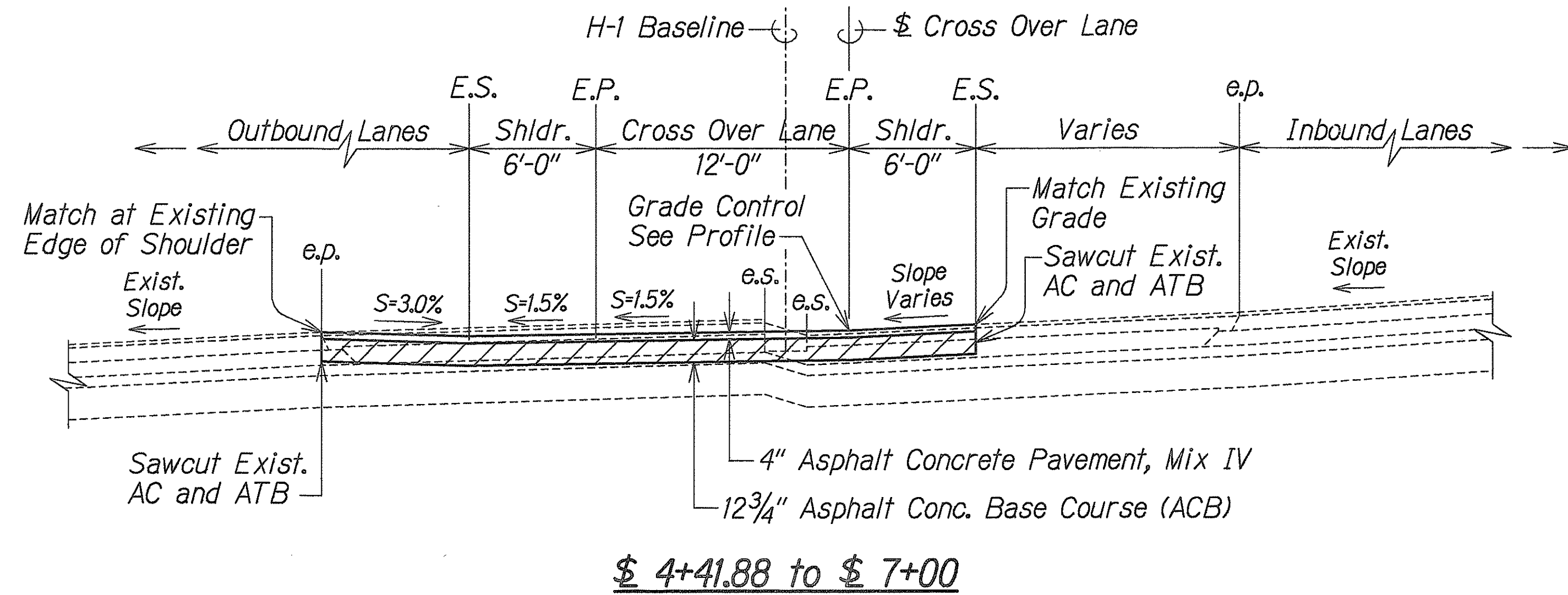
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS CROSS-OVER NO. 3	
INTERSTATE ROUTE H-1 CONTRAFLOW AND SHOULDER LANE PROJECT NO. HIEFG-01-96	
Scale: 1" = 5'-0"	Date: October, 1997
SHEET No. 718 OF 21 SHEETS	

3/24/98	Revised Typical Sections
DATE	REVISION

C.O. 21

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	C.O. 22	344



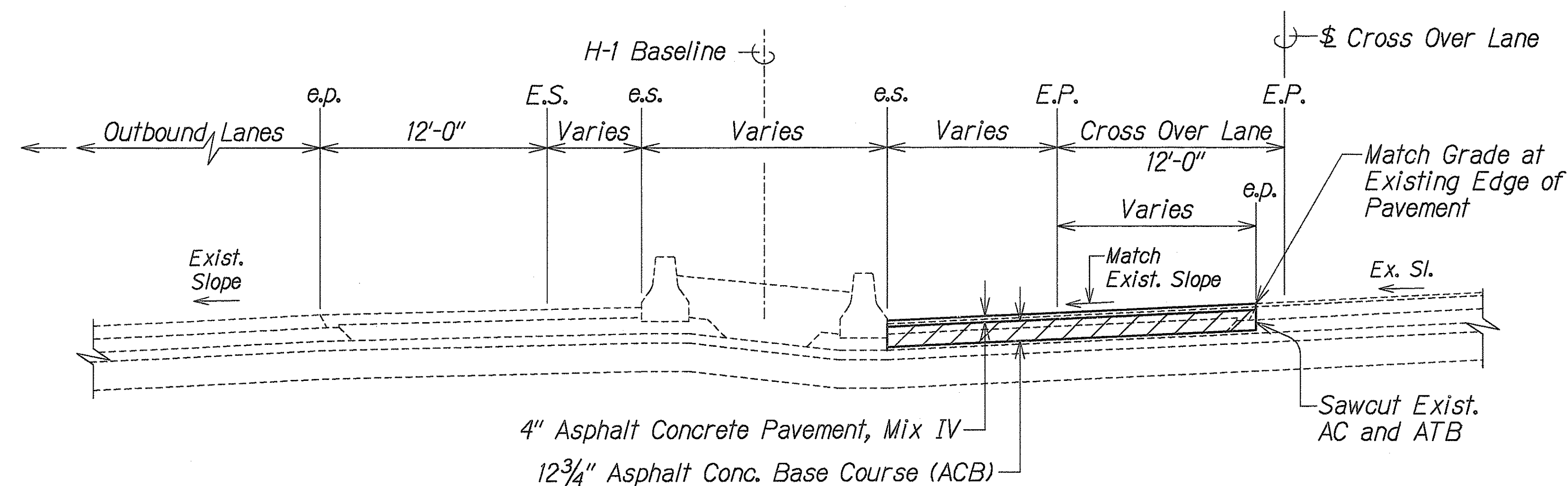
TYPICAL SECTIONS - CROSS OVER NO. 4
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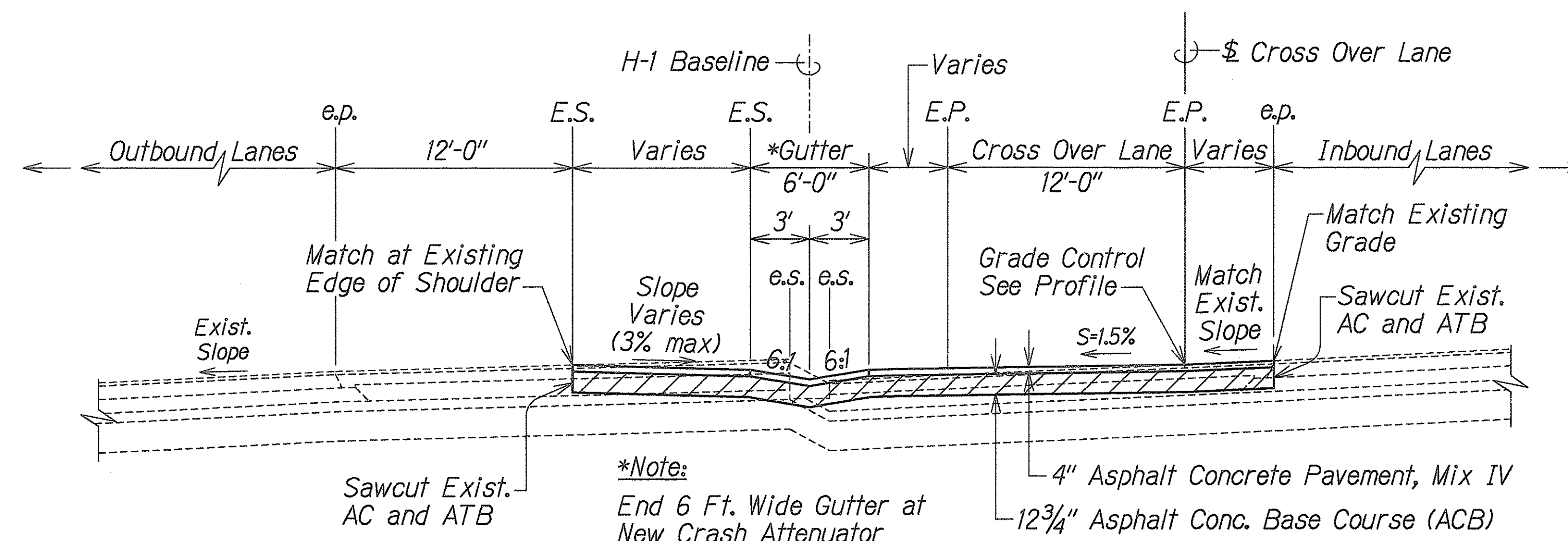
4/30/98	Revised typical sections.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTIONS
CROSS-OVER NO. 4
INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
PROJECT NO. HIEFG-01-96
Scale: 1" = 5'-0" Date: October 1997
SHEET No. **T19** OF **21** SHEETS

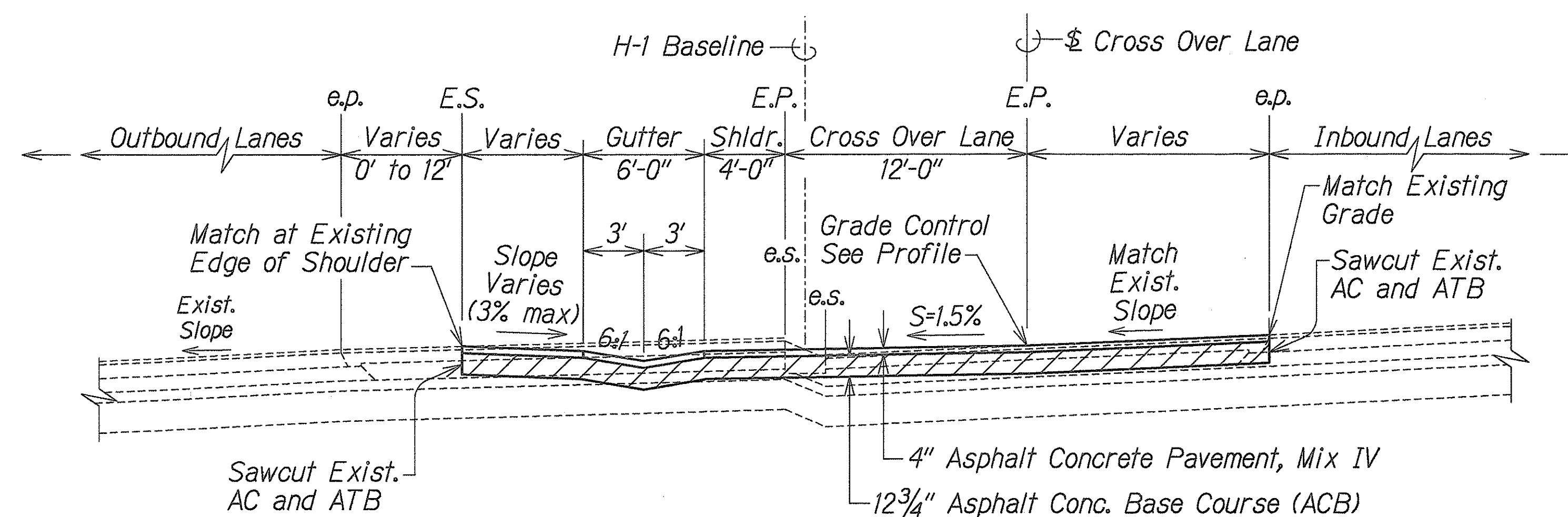
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HAWAII	HAW.	HIEFG-01-96	1998	C.O. 23	344



\$ 10+80.03 to End



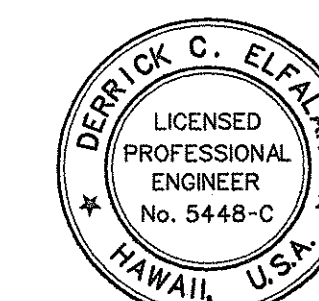
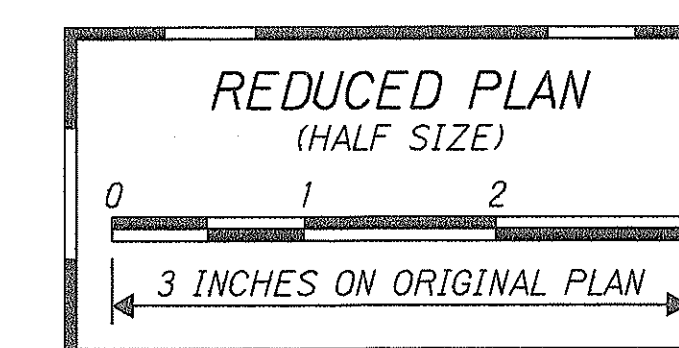
\$ 8+50± to \$ 10+80.03



\$ 8+00 to \$ 8+50

TYPICAL SECTIONS - CROSS OVER NO. 4

Scale: 1" = 5'-0"



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Derrick C. Elfall
 P.E., Inc.
 dba PARK ENGINEERING

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS
CROSS-OVER NO. 4

INTERSTATE ROUTE H-1
 CONTRAFLOW AND SHOULDER LANE
 PROJECT NO. HIEFG-01-96

Scale: 1" = 5'-0" Date: October 1997

SHEET No. 720 OF 21 SHEETS

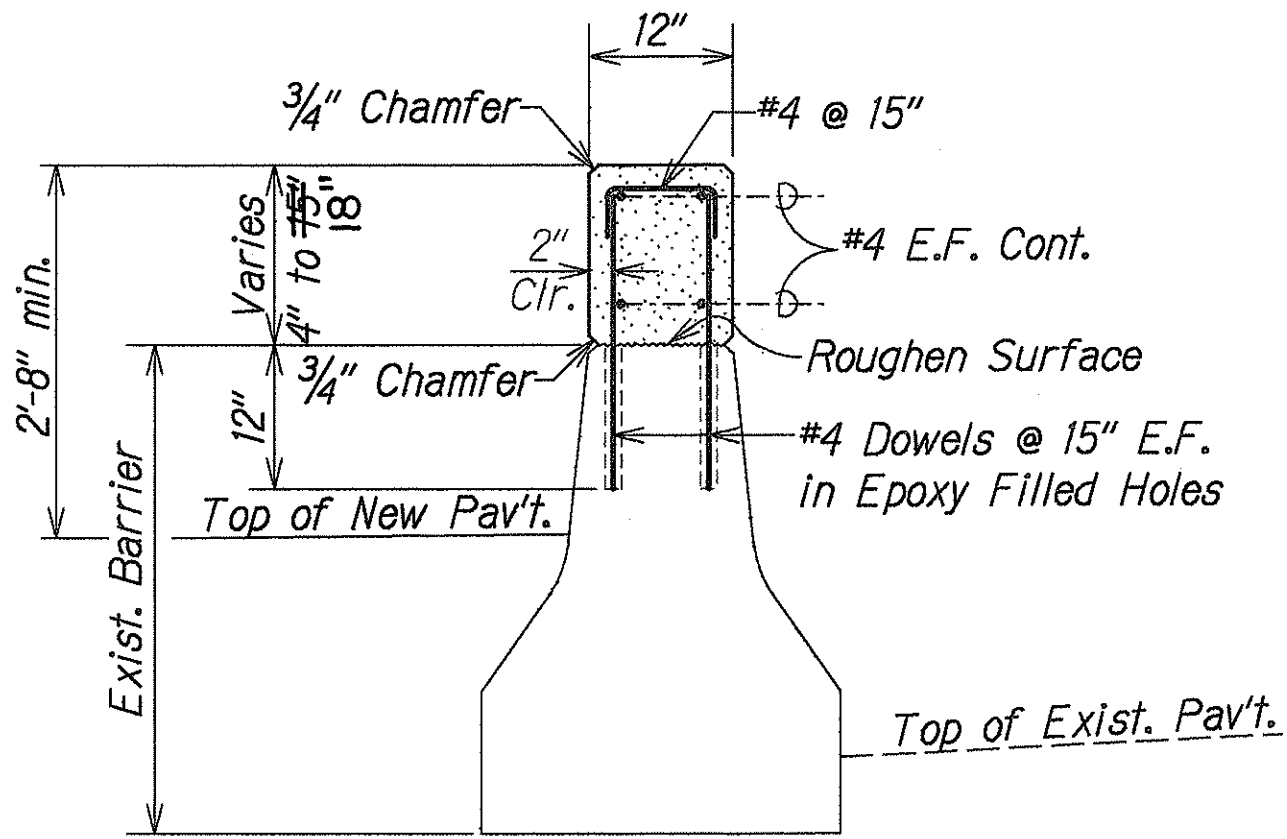
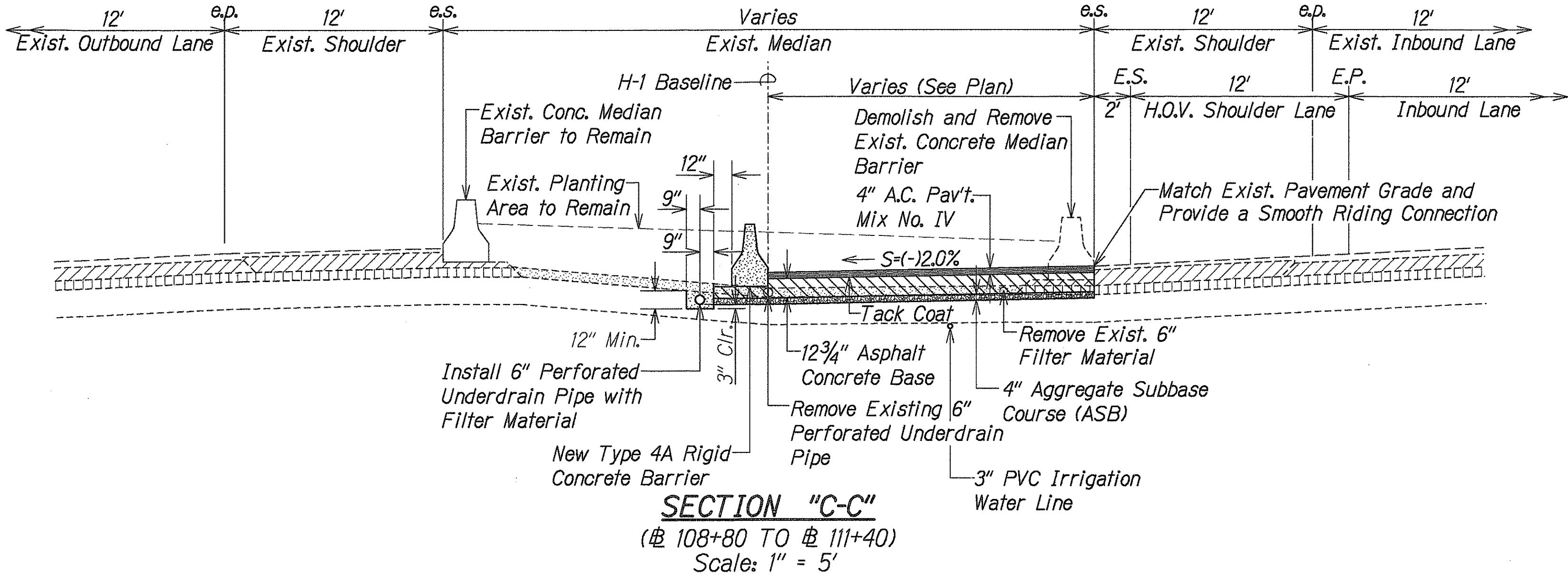
4/30/98 Revised typical sections.

DATE REVISION

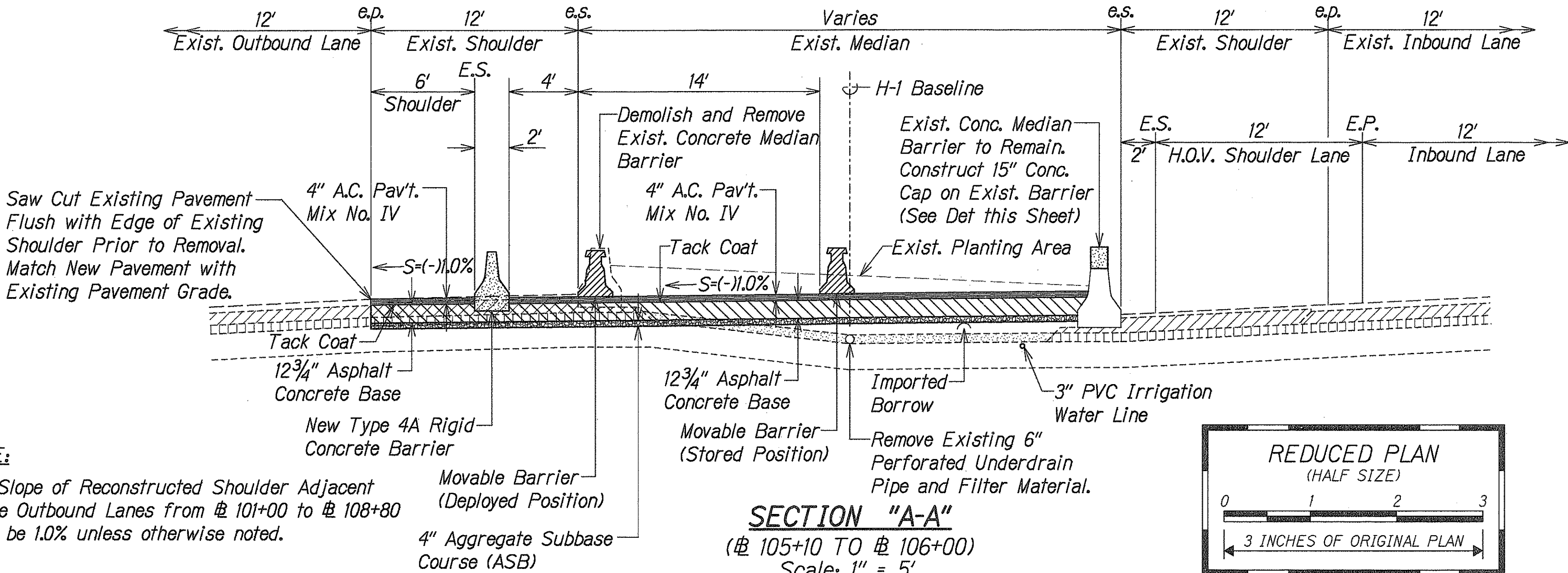
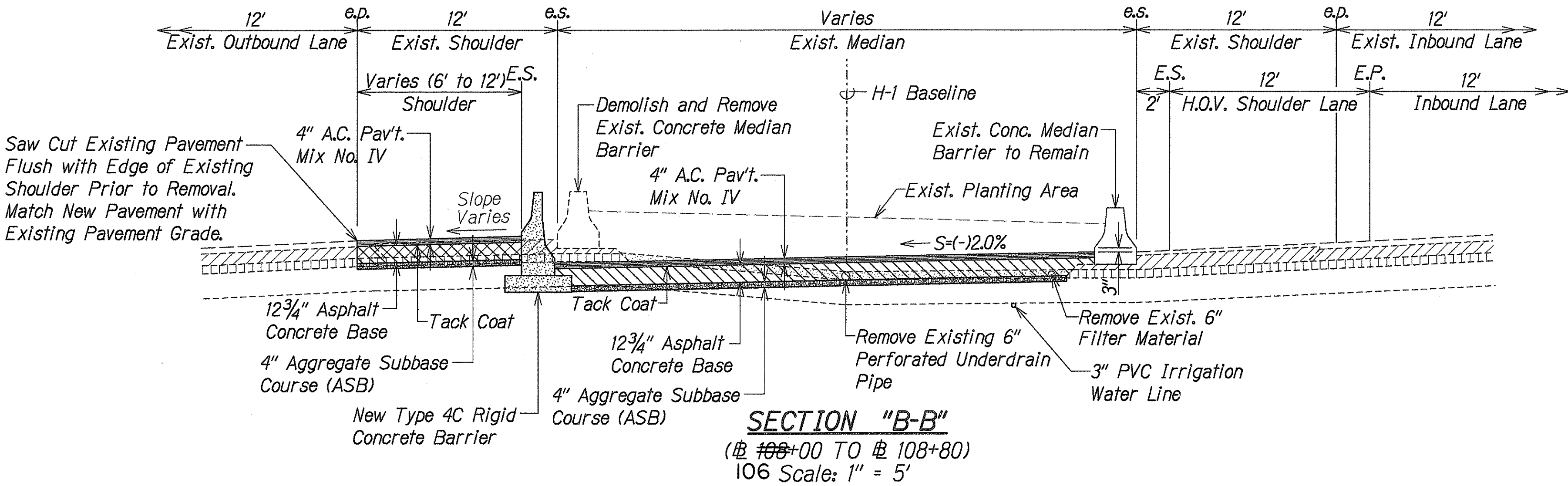
C.O. 23

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
NO.	

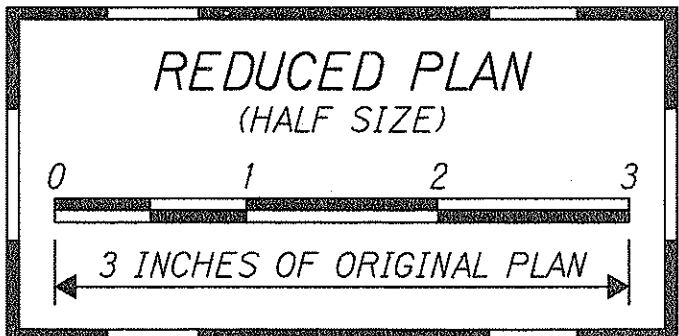
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIEFG-01-96	1998	24	344



- WORK SEQUENCE:**
1. Roughen and Clean Surface
 2. Drill Holes, Apply Epoxy Adhesive and Inset Dowels According to Manufacturer's Recommendations.
 3. Remove Excess Adhesive from Concrete Surface and Proceed with Remaining Work.
 4. Provide Control Joint and Expansion Joint in line with existing joints. See Standard Plan TE-63. Horizontal Reinforcing need not be continuous at expansion joints.



NOTE:
The Slope of Reconstructed Shoulder Adjacent to the Outbound Lanes from Station 101+00 to Station 108+80 shall be 1.0% unless otherwise noted.



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[Signature]
Per En, Inc.
dba PARK ENGINEERING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**TYPICAL SECTIONS
BARRIER TRANSFER VEHICLE
(BTV) STORAGE SITE**

INTERSTATE ROUTE H-1
CONTRAFLOW AND SHOULDER LANE
PROJECT NO. HIEFG-01-96
Scale: As Shown Date: Sept., 1997

3/18/98	Added 4" Aggregate Subbase Course
DATE	REVISION

SHEET No. **21** OF **21** SHEETS

"AS-BUILT"

C.O. 24