

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(52)	1988	2	75

Standard Plan No.	Title	Date
B-01 ●	Notes and Miscellaneous Details	07/01/86
B-02		
B-03 ●	Typical Structure Excavation and Backfill Pay Limits	07/01/86
B-04		
B-05		
B-06	Concrete Box Girder	07/01/86
B-07	Concrete Box Girder	07/01/86
B-08	Concrete Box Girder	07/01/86
B-09		
B-10		
B-11		
B-12 ●	Prestressed Concrete Piles	07/01/86
B-13 ●	Prestressed Concrete Piles	07/01/86

D-01	Chain Link Fence With Toprail	r 03/06/87
D-02	Chain Link Fence Without Toprail	07/01/86
D-03	Wire Fence With Metal Posts	07/01/86
D-04	Typical Details of Curbs and/or Gutters	07/01/86
D-05	Typical Details of Reinforced Concrete Drop Driveway	07/01/86
D-06	Centerline and Reference Survey Monument	07/01/86
D-07	Street Survey Monument	07/01/86
D-08	Landscaping Shrub and Tree Planting	07/01/86
D-09	Field Office	07/01/86
D-10	Field Office	07/01/86
D-11	Project Site Laboratory	07/01/86
D-12	Project Site Laboratory	07/01/86
D-13	Field Office & Project Site Laboratory	07/01/86

H-01	Type A, B, C and D Catch Basin	07/01/86
✓ H-02 ●	Type A1, B1, C1 and D1 Catch Basin	07/01/86
H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
✓ H-04 ●	Typical Reinforcing Details for Catch Basins	07/01/86
H-05	Type A, B and C Storm Drain Manhole	07/01/86
H-06	Type D and E Storm Drain Manhole	07/01/86
H-07	Type F Storm Drain Manhole	07/01/86
✓ H-08 ●	Catch Basin and Manhole Casting	07/01/86
✓ H-09 ●	Type A-9 and A-9P Frames and Grates	07/01/86
H-10	Type A-9B Frames and Grates	07/01/86
H-11 ●	Type 61614 and 61214 Grated Drop Inlet	07/01/86
H-12	Type 61616 Grated Drop Inlet	07/01/86
H-13 ●	61214, 61614 & 61616 Steel Frames and Grates	07/01/86
H-14	61214B Steel Frame and Grates	07/01/86
H-15	61614B Steel Frame and Grates	07/01/86
H-16	Concrete and Cement Rubble Masonry Structures	07/01/86
H-17	Inlet Structures	07/01/86
H-18	Flared End Section for Culverts	07/01/86
H-19	Outlet Structures	07/01/86
H-20	Concrete Spillway Inlet	07/01/86
H-21	18" Slotted C. M. P. Drain	07/01/86
H-22	C. M. P. Coupling Details Standard Joint	07/01/86
H-23	Hat Shaped Coupling Band	07/01/86

Standard Plan No.	Title	Date
TE-01	Miscellaneous Sign Details	07/01/86
TE-02	Galvanized Flanged Channel Sign Post Mounting	07/01/86
TE-03	Galvanized Square Tube Sign Post Mounting	07/01/86
TE-04	Regulatory Signs	r 09/01/87
TE-05	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	r 09/01/87
TE-07	Reserved	07/01/86
TE-08	Construction Signs	r 09/01/87
TE-09	Miscellaneous Intersection Signs	r 03/06/87
TE-10	Reserved	07/01/86
TE-11	Bike Route Sign and Supplementary Plates	07/01/86
TE-12	State Route Marker and Auxiliary Markers	07/01/86
TE-13	Interstate Route Marker	07/01/86
TE-14	State Route Marker and Border Detail for Guide Signs	07/01/86
TE-15	Route Marker Assemblies	07/01/86
TE-16	Miscellaneous Reflector Markers	07/01/86
TE-17	Type II Object Markers	07/01/86
TE-18	Mileposts	07/01/86
TE-19	Reserved	07/01/86
TE-20	Overhead Sign Supports	07/01/86
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/86
TE-22	Foundation Details and Schedules	07/01/86
TE-23	Destination & Ground Mounted Expressway Signs	07/01/86
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/86
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/86
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/86
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/86
TE-28	Guide Signs Luminaire Mountings	07/01/86
TE-29	Reserved	07/01/86
TE-30	Raised Pavement Markers and Striping	07/01/86
TE-31	Miscellaneous Pavement Markings	07/01/86
TE-32	Miscellaneous Pavement Markings	r 09/01/87
TE-33	Miscellaneous Pavement Markings	07/01/86
TE-34	Reserved	07/01/86
TE-35	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-36	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-37	Reserved	07/01/86
TE-38	Traffic Signal System, Miscellaneous Details	07/01/86
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	r 03/06/87
TE-41	Pullboxes	07/01/86
TE-42	Type III Traffic Signal Standard	07/01/86
TE-43	Concrete Pullbox (2' x 3')	07/01/86
TE-44	Reserved	07/01/86

Standard Plan No.	Title	Date
TE-45	Reserved	07/01/86
TE-46	Reserved	07/01/86
TE-47	Reserved	07/01/86
TE-48	Reserved	07/01/86
TE-49	Reserved	07/01/86
TE-50	Metal Guardrail	r 03/06/87
TE-51	Metal Guardrail	r 09/01/87
TE-52	Metal Guardrail with Rubrail	07/01/86
TE-53	Metal Guardrail with Rubrail at Obstruction	r 09/01/87
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	r 09/01/87
TE-55	Metal Guardrail Connection to Concrete Barrier	r 09/01/87
TE-56	Concrete Barrier Transition	07/01/86
TE-57	Guardrail Type 3, Thrie Beam	r 09/01/87
TE-58	Approach End Flare, One & Two Way Roadway	07/01/86
TE-59	Trailing End Flare, One & Two Way Roadway	r 09/01/87
TE-60	Anchor Block Details	07/01/86
TE-61	Breakaway Cable Terminal (BCT)	r 03/06/87
TE-62	Breakaway Cable Terminal (BCT)	r 09/01/87
TE-63	Guardrail Type 4 (Rigid Barrier)	r 09/01/87
TE-64	Portable Concrete Guardrail	r 03/06/87
TE-65	Guardrail Type 4, Miscellaneous	r 09/01/87
TE-66	Barricades	07/01/86
TE-67	Delineation & Pavement Markings at Bridges	07/01/86
TE-68	Wheelchair Ramps	07/01/86
TE-69	Wheelchair Ramps	r 09/01/87

NOTE:  
STANDARD PLANS APPLICABLE TO THIS  
PROJECT ARE INDICATED BY A "●" NEXT TO  
THE STANDARD PLAN NO. (D-07●)

09/01/87	REVISED STANDARD PLANS TE-04, TE-06, TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69.
03/06/87	REVISED STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 AND TE-64.
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

INTERSTATE ROUTE H-3  
F.A.I.-PROJECT NO. 1-H3-1 (52)

SCALE: AS NOTED      DATE: JULY 1988

SHEET NO. 1 OF 1 SHEETS

AS BUILT







TEMPORARY EROSION CONTROL PROCEDURES

1. THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF LAND TO BE EXPOSED AT ANY ONE TIME.
2. THE GRADING OPERATIONS SHALL PROCEED FROM THE HIGHER GROUND AREA FIRST, WHERE EXCAVATION OPERATIONS, ARE NECESSARY. THE EXISTING VEGETATION ON THE LOWER AREA SHALL BE LEFT IN PLACE AS LONG AS FEASIBLE TO SERVE AS A FILTERING MEDIUM.
3. IF THE EXCAVATED MATERIAL FROM THE HIGHER AREA IS NEEDED TO FILL THE LOWER AREAS DESCRIBED IN NO. 2 ABOVE, FILLING OPERATIONS SHALL BE DONE IN PHASES IN ORDER THAT EROSION AND SEDIMENTATION PROBLEMS CAN BE HELD TO A MINIMUM.
4. GRADED AREAS THAT ARE NOT AT FINAL GRADE AND ARE EXPECTED TO BE EXPOSED FOR MORE THAN 30 DAYS, SHALL BE MULCHED (AT THE RATE OF 45 POUNDS PER 1000 SQUARE FEET) IN ORDER TO PREVENT EROSION AND SILT RUNOFF.
5. WHEN INSTALLING THE DRAINAGE SYSTEM FOR THE PROJECT, FILTERING MATERIAL (JUTE STRIPS OR EQUAL) AT THE INLETS TO THE SYSTEM SHALL BE PROVIDED TO PREVENT SILT FROM ENTERING THE SYSTEM.
6. THE ABOVE PROCEDURE FOR EROSION AND SEDIMENT CONTROL MAY BE REVISED BY THE CONTRACTOR TO CONFORM TO HIS GRADING OPERATION PROCEDURE. BUT ANY REVISION TO THE ABOVE PROCEDURE SHALL BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS, CHIEF ENGINEER FOR APPROVAL, BY THE CONTRACTOR.
7. FOLLOW SEQUENCE OF OPERATION AS RECOMMENDED ON PAGES 26 OF THE "SOIL EROSION STANDARDS AND GUIDELINES", DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU, NOVEMBER 1975.

ABBREVIATIONS

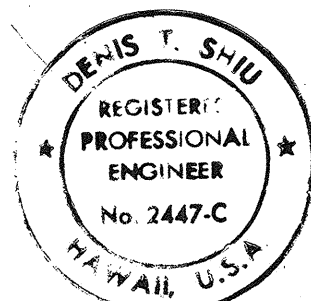
Abn.	Abandon
ADT	Average Daily Traffic
Agg.	Aggregate
Alt.	Alternate
Approx.	Approximate
A.C.	Asphalt Concrete
Beg.	Begin
Bldg.	Building
BM	Bench Mark
℄	Baseline
Bot.	Bottom
BVC	Beginning of Vertical Curve
Ch	Chord
CRM	Cement Rubble Masonry
℄	Centerline
Cl.	Class
Conc.	Concrete
Constr.	Construction

Constr. Easmt.	Construction Easement
Coord.	Coordinate
Culv.	Culvert
Det.	Detail
Dia.	Diameter
D.I.	Drop Intake, Drop Inlet
Dwg.	Drawing
E	East
Ea.	Each
Easmt.	Easement
E.F	Each Face
E.P.	Edge of Pavement
El, Elev.	Elevation
Elec.	Electrical
Emb.	Embankment
Eq.	Equal
E.S.	Edge of Shoulder
EVC	End of Vertical Curve
E.W	Each Way
Exc.	Excavation
Exist.	Existing
Fin. Gr.	Finish Grade
Ft., ft.	Feet, Foot
Fig.	Figure
Fwy.	Freeway
Fut.	Future
Galv.	Galvanized
Ga.	Gauge, gage
GCL	Grade Control Line
Gnd.	Ground
GRP	Grouted Rubble Paving
Hwy.	Highway
Hor., Horiz.	Horizontal
IB, I.B.	Inbound

Inv.	Invert
Lc	Length of Curve
LF	Linear Foot
M.L.	Match Line
Min.	Minimum
MSL	Mean Sea Level
MSERW	Mechanically Stabilized Earth Retaining Wall
N	North
NIC	Not in Contract
No.	Number
NTS	Not to Scale
OB, O.B.	Outbound
O.C.	On Center
O/H	Overhead
o/s	Offset
Pavt.	Pavement
P.O.C.	Point on Curve
PC, P.C.	Point of Curvature, Precast
PCC, P.C.C.	Point of compound Curvature
P.I.	Point of Intersection of Tangents
P/L	Property Line
Proj.	Project
Pt.	Point
PT, P.O.T, P.T.	Point of Tangency
P.I.V.C.	Point of Intersection of Vertical Curve
R	Radius
RC	Reinforced concrete

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - I(52)	1988	4	75

Rd.	Road
Ref.	Reference
Req., Req'd	Required
Ret.	Retaining
R/W	Right of Way
S	South
Sect.	Section
SF	Square Feet
Sht.	Sheet
Sp.	Space
Sq.	Square
Sta.	Station
Std.	Standard
SY	Sq. Yd.
Tan., T	Tangent
T&B	Top & Bottom
Temp.	Temporary
Typ.	Typical
Ug.	Underground
Var.	Variable, Varies
VC	Vertical Curve
Vert.	Vertical
W	West



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
*Denis T. Shin*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

NOTES AND ABBREVIATIONS

INTERSTATE ROUTE H-3  
F.A.I. PROJECT NO. I-H3-I ( 52 )

SCALE: AS NOTED      DATE: JULY, 1988

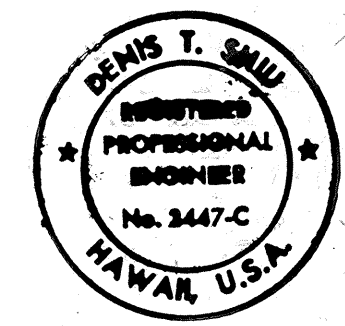
SHEET NO. 2 OF 2 SHEETS

DATE      REVISION

AS BUILT

4





STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

INTERSTATE ROUTE H-3  
F.A.I. PROJECT NO. I-H3-1(52)

SCALE: 1" = 100'      DATE: JULY 1988

**SHEET No. 1 OF 1 SHEETS**

C.O. ADD. 5R

AS BUILT

9/27/89	Revised Coordinates on Curve 1E' 2 and Project Limits.
1/10/89	Revised Beginning I. B. Haiku Valley Road
DATE	REVISION

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