

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(39)	2011	2	33

STANDARD PLAN NO.	TITLE	DATE
B-01	NOTES & MISCELLANEOUS DETAILS	05/31/07
B-03	BACKFILL DETAILS AT EARTH RETAINING STRUCTURES	05/31/07
B-12	PRESTRESSED CONCRETE PILES & COMPRESSION SPLICE CAN DETAILS	05/31/07
B-12A	PRESTRESSED CONCRETE PILES, PILE & COMPRESSION SPLICE CAN DETAILS & NOTES	05/31/07
B-12B	PILE INTERACTION DIAGRAM	05/31/07
B-13	PRESTRESSED CONCRETE PILE BUILD-UP DETAILS	05/31/07

D-01	CATTLE GATE	05/31/07
D-02	CHAIN LINK FENCE WITH TOPRAIL	05/31/07
D-03	CHAIN LINK FENCE WITHOUT TOPRAIL	05/31/07
D-04	WIRE FENCE WITH METAL POSTS	05/31/07
D-05	TYPICAL DETAILS OF CURBS AND/OR GUTTERS	05/31/07
D-06	TYPICAL DETAIL OF REINFORCED CONCRETE DROP DRIVEWAY	05/31/07
D-07	CENTERLINE AND REFERENCE SURVEY MONUMENTS	05/31/07
D-08	STREET SURVEY MONUMENT	05/31/07
D-15	CONCRETE SIDEWALK	05/31/07
D-16	P.C.C. BUS PAD	05/31/07
D-17	P.C.C. BUS PAD	05/31/07
D-18	P.C.C. PAVEMENT LAYOUT	05/31/07
D-19	P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07
D-20	P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07
D-21	P.C.C. LONGITUDINAL JOINT DETAILS	05/31/07
D-22	P.C.C. CONNECTION TO CURBS AND GUTTERS	05/31/07
D-23	JOINTS	05/31/07

L-01	TREE PLANTING	08/16/06
L-02	TREE PLANTING	08/16/06
L-03	TREE TRANSPLANTING	08/16/06
L-04	PALM PLANTING	08/16/06
L-05	SHRUB PLANTING	08/16/06
L-06	LANDSCAPE DETAILS	08/16/06
L-07	LANDSCAPE DETAILS	08/16/06
L-08	LANDSCAPE DETAILS	08/16/06
L-09	LANDSCAPE DETAILS	08/16/06
L-10	LANDSCAPE DETAILS	08/16/06
L-11	PLANTING NOTES	08/16/06
L-12	IRRIGATION DETAILS	08/16/06
L-13	IRRIGATION DETAILS	08/16/06
L-14	IRRIGATION DETAILS	08/16/06
L-15	IRRIGATION DETAILS	08/16/06
L-16	IRRIGATION DETAILS	08/16/06
L-17	IRRIGATION DETAILS	08/16/06
L-18	IRRIGATION DETAILS	08/16/06
L-19	IRRIGATION DETAILS	08/16/06
L-20	IRRIGATION DETAILS	08/16/06
L-21	IRRIGATION DETAILS	08/16/06
L-22	IRRIGATION DETAILS	08/16/06
L-23	IRRIGATION DETAILS	08/16/06
L-24	IRRIGATION NOTES	08/16/06

STANDARD PLAN NO.	TITLE	DATE
H-01A	TYPE A CATCH BASIN	05/31/07
H-01B	TYPE B CATCH BASIN	05/31/07
H-01C	TYPE C CATCH BASIN	05/31/07
H-01D	TYPE D CATCH BASIN	05/31/07
H-01E	CATCH BASIN SECTIONS	05/31/07
H-02A	TYPE A1 CATCH BASIN	05/31/07
H-02B	TYPE B2 CATCH BASIN	05/31/07
H-02C	TYPE C1 CATCH BASIN	05/31/07
H-02D	TYPE D1 CATCH BASIN	05/31/07
H-02E	CATCH BASIN SECTION	05/31/07
H-03	TYPE A,B, AND C STORM DRAIN MANHOLE	05/31/07
H-04	TYPE D STORM DRAIN MANHOLE	05/31/07
H-05	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-06	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-07	CATCH BASIN AND MANHOLE CASTINGS	05/31/07
H-08	TYPE 1A-9 AND 1A-9P GRATED DROP INLET	05/31/07
H-09	TYPE 2A-9 AND 2A-9P GRATED DROP INLET	05/31/07
H-10	TYPE A-9 OR A-9P STEEL FRAMES	05/31/07
H-11	TYPE A-9 AND A-9P STEEL GRATES	05/31/07
H-12	TYPE 61614P AND 1211214P GRATED DROP INLET	05/31/07
H-13	TYPE 61616P AND 1211216P GRATED DROP INLET	05/31/07
H-14	TYPE 61214P GRATED DROP INLET	05/31/07
H-15	TYPE 1211214, 1211214P, 1211216, 1211216P STEEL FRAME AND GRATES	05/31/07
H-16	TYPE 61614, 61614P, 61616, 61616P STEEL FRAME AND GRATES	05/31/07
H-17	TYPE 61214 STEEL FRAMES AND GRATES	05/31/07
H-18	TYPE 61214P STEEL GRATES	05/31/07
H-19	TYPE 61614B STEEL FRAME AND GRATES	05/31/07
H-20	CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-21	CONCRETE AND CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-22	INLET/OUTLET STRUCTURE	05/31/07
H-23	INLET/OUTLET STRUCTURE	05/31/07
H-24	FLARED END SECTION FOR CULVERTS	05/31/07
H-25	FLARED END SECTION FOR CULVERTS	05/31/07
H-26	CONCRETE SPILLWAY INLET	05/31/07
H-27	CAP COUPLING DETAILS STANDARD JOINT	05/31/07
H-28	REINFORCED CONCRETE COLLAR & JACKET	05/31/07
H-29	UNDERDRAIN CLEANOUT STEEL FRAME AND COVER	05/31/07
H-30	UNDERDRAIN CONNECTION TO DRAINAGE STRUCTURE	05/31/07

TE-01	SIGN HEIGHT AND LOCATION	07/11/08
TE-1A	SIGN INSTALLATION	07/11/08
TE-02A	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-02B	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-02C	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-03A	GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07
TE-03B	GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07
TE-04	REGULATORY SIGNS	07/11/08
TE-05	WARNING SIGNS	07/11/08
TE-06	MISCELLANEOUS SIGNS	07/11/08
TE-07	CONSTRUCTION SIGNS	07/11/08
TE-08	MISCELLANEOUS INTERSECTION SIGNS	07/11/08

STANDARD PLAN NO.	TITLE	DATE
TE-09	BIKE ROUTE SIGN & SUPPLEMENTARY PLATES	07/11/08
TE-10	INTERSTATE ROUTE MARKER	07/11/08
TE-11	STATE ROUTE MARKER AND AUXILIARY MARKERS	07/11/08
TE-12	STATE ROUTE MARKER AND BORDER DETAIL FOR GUIDE SIGNS	07/11/08
TE-12A	ROUTE SIGN ASSEMBLIES	07/11/08
TE-13	STREET NAME SIGN ON MAST ARM	07/11/08
TE-14	MISCELLANEOUS REFLECTOR MARKERS	07/11/08
TE-15	OBJECT MARKERS	07/11/08
TE-16	MILE POSTS	07/11/08
TE-17A	CANTILEVER OVERHEAD SIGN ELEVATION & DETAILS	05/31/07
TE-17B	CANTILEVER SIGN FRAME DETAIL AND SECTION	05/31/07
TE-17C	CANTILEVER SIGN FRAME DETAIL	05/31/07
TE-17D	CANTILEVER SIGN FRAME SECTION	05/31/07
TE-17E	CANTILEVER SIGN FRAME DETAILS	05/31/07
TE-18A	TWO POST OVERHEAD SIGN FRAME ELEVATIONS	05/31/07
TE-18B	TWO POST SIGN FRAMING PLAN SECTION	05/31/07
TE-18C	TWO POST SIGN FRAMING SECTIONS AND DETAILS	05/31/07
TE-18D	TWO POST SIGN FRAME DETAILS	05/31/07
TE-18E	TWO POST SIGN FRAME DETAILS	05/31/07
TE-19A	OVERHEAD SIGN FRAMING SCHEDULE	05/31/07
TE-19B	SIGN POST DRILLED SHAFT FOUNDATION	05/31/07
TE-19C	SPREAD FOOTING	05/31/07
TE-19D	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.1	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.2	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.3	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.4	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.5	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19E	ANCHORAGE DETAILS	05/31/07
TE-19F	ANCHORAGE DETAILS	05/31/07
TE-19G	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07
TE-19H	LUMINAIRE WALKWAY SUPPORT	05/31/07
TE-19J	FIXED MESSAGE LUMINAIRE SUPPORT	05/31/07
TE-19K	MISCELLANEOUS SIGN DETAILS	05/31/07
TE-19L	MISCELLANEOUS SIGN DETAILS	05/31/07
TE-19M	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07
TE-20	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-20A	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-20B	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-20C	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-21A	SIGN BREAKAWAY MOUNTS	05/31/07
TE-21B	SIGN BREAKAWAY MOUNTS	05/31/07
TE-22	LAMINATED ALUMINUM SIGN PANELS (OVERHEAD)	05/31/07
TE-23	LAMINATED ALUMINUM SIGN PANELS (GROUND MOUNTED)	07/11/08
TE-24	SOLID ALUMINUM EXTRUDED SIGN PANEL AND ACCESSORY DETAILS	05/31/07
TE-25	GUIDE SIGNS LUMINAIRE MOUNTINGS	05/31/07
TE-26	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08
TE-27	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08
TE-28	ENTRANCE AND EXIT PAVEMENT MARKINGS	07/11/08
TE-28A	MISCELLANEOUS PAVEMENT MARKINGS	07/11/08
TE-29	PAVEMENT ARROWS AND SYMBOLS	07/11/08
TE-30	PAVEMENT ALPHABETS, NUMBERS & SYMBOLS	07/11/08
TE-31	PAVEMENT ALPHABETS, NUMBERS & SYMBOLS	07/11/08

STANDARD PLAN NO.	TITLE	DATE
TE-32	TYPE I & II TRAFFIC SIGNAL SYSTEM MISC. DETAILS	05/31/07
TE-33	TYPE II TRAFFIC SIGNAL SYSTEM	08/16/06
TE-33A.1	TYPE II TRAFFIC SIGNAL STANDARD	05/31/07
TE-33A.2	TYPE II TRAFFIC SIGNAL STANDARD	05/31/07
TE-34	LOOP DETECTOR DETAILS	07/11/08
TE-35	LOOP DETECTORS & DUCT DETAILS	07/11/08
TE-36	TRAFFIC SIGNAL DETAILS	07/11/08
TE-37	PULLBOX & COVER DETAILS	07/11/08
TE-37A	TYPE "A" TRAFFIC PULLBOX	05/31/07
TE-37B	TYPE "A" TRAFFIC PULLBOX REINFORCING	05/31/07
TE-37C	TYPE "B" TRAFFIC PULLBOX	05/31/07
TE-37D	TYPE "B" TRAFFIC PULLBOX REINFORCING	05/31/07
TE-37E	TYPE "B" TRAFFIC PULLBOX FOUNDATION	05/31/07
TE-37F	TYPE "C" TRAFFIC PULLBOX	05/31/07
TE-37G	TYPE "C" TRAFFIC PULLBOX REINFORCING	05/31/07
TE-37H	TYPE "C" TRAFFIC PULLBOX FOUNDATION	05/31/07
TE-37J	TRAFFIC PULLBOX COVER AND DETAILS	05/31/07
TE-38	TYPE III TRAFFIC SIGNAL STANDARD	05/31/07
TE-38A.1	TYPE III TRAFFIC SIGNAL STANDARD	05/31/07
TE-38A.2	TYPE III TRAFFIC SIGNAL STANDARD	05/31/07
TE-39	METAL GUARDRAIL CONNECTION TO CONCRETE BARRIER	07/11/08
TE-40	CONCRETE BARRIER TRANSITION	05/31/07
TE-40A	CONCRETE BARRIER TRANSITION SECTIONS	05/31/07
TE-41	GUARDRAIL TYPE 4 (RIGID BARRIER)	05/31/07
TE-42	PORTABLE CONCRETE BARRIER	05/31/07
TE-43	PORTABLE CONCRETE BARRIER	05/31/07
TE-44	GUARDRAIL TYPE 4 MISCELLANEOUS DETAILS	07/11/08
TE-45	BARRICADES	07/11/08
TE-46	DELINEATION & PAVEMENT MARKINGS AT NARROW BRIDGES	07/11/08
TE-47	HIGHWAY LIGHT STANDARD	05/31/07

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD PLANS SUMMARY
VOLCANO ROAD
PAVEMENT PREVENTIVE MAINTENANCE
Kea'au Bypass Road to Panaewa Bridge, Inbound Lanes
Federal-Aid Project No. STP-011-2(39)
Date: October, 2011

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY	
	NOTED BY	
	CHECKED BY	
NOTE: BOOK 2008-0011, 2008-0012, 2008-0013, 2008-0014, 2008-0015, 2008-0016, 2008-0017, 2008-0018, 2008-0019, 2008-0020, 2008-0021, 2008-0022, 2008-0023, 2008-0024, 2008-0025, 2008-0026, 2008-0027, 2008-0028, 2008-0029, 2008-0030, 2008-0031, 2008-0032, 2008-0033, 2008-0034, 2008-0035, 2008-0036, 2008-0037, 2008-0038, 2008-0039, 2008-0040, 2008-0041, 2008-0042, 2008-0043, 2008-0044, 2008-0045, 2008-0046, 2008-0047, 2008-0048, 2008-0049, 2008-0050, 2008-0051, 2008-0052, 2008-0053, 2008-0054, 2008-0055, 2008-0056, 2008-0057, 2008-0058, 2008-0059, 2008-0060, 2008-0061, 2008-0062, 2008-0063, 2008-0064, 2008-0065, 2008-0066, 2008-0067, 2008-0068, 2008-0069, 2008-0070, 2008-0071, 2008-0072, 2008-0073, 2008-0074, 2008-0075, 2008-0076, 2008-0077, 2008-0078, 2008-0079, 2008-0080, 2008-0081, 2008-0082, 2008-0083, 2008-0084, 2008-0085, 2008-0086, 2008-0087, 2008-0088, 2008-0089, 2008-0090, 2008-0091, 2008-0092, 2008-0093, 2008-0094, 2008-0095, 2008-0096, 2008-0097, 2008-0098, 2008-0099, 2008-0100, 2008-0101, 2008-0102, 2008-0103, 2008-0104, 2008-0105, 2008-0106, 2008-0107, 2008-0108, 2008-0109, 2008-0110, 2008-0111, 2008-0112, 2008-0113, 2008-0114, 2008-0115, 2008-0116, 2008-0117, 2008-0118, 2008-0119, 2008-0120, 2008-0121, 2008-0122, 2008-0123, 2008-0124, 2008-0125, 2008-0126, 2008-0127, 2008-0128, 2008-0129, 2008-0130, 2008-0131, 2008-0132, 2008-0133, 2008-0134, 2008-0135, 2008-0136, 2008-0137, 2008-0138, 2008-0139, 2008-0140, 2008-0141, 2008-0142, 2008-0143, 2008-0144, 2008-0145, 2008-0146, 2008-0147, 2008-0148, 2008-0149, 2008-0150, 2008-0151, 2008-0152, 2008-0153, 2008-0154, 2008-0155, 2008-0156, 2008-0157, 2008-0158, 2008-0159, 2008-0160, 2008-0161, 2008-0162, 2008-0163, 2008-0164, 2008-0165, 2008-0166, 2008-0167, 2008-0168, 2008-0169, 2008-0170, 2008-0171, 2008-0172, 2008-0173, 2008-0174, 2008-0175, 2008-0176, 2008-0177, 2008-0178, 2008-0179, 2008-0180, 2008-0181, 2008-0182, 2008-0183, 2008-0184, 2008-0185, 2008-0186, 2008-0187, 2008-0188, 2008-0189, 2008-0190, 2008-0191, 2008-0192, 2008-0193, 2008-0194, 2008-0195, 2008-0196, 2008-0197, 2008-0198, 2008-0199, 2008-0200, 2008-0201, 2008-0202, 2008-0203, 2008-0204, 2008-0205, 2008-0206, 2008-0207, 2008-0208, 2008-0209, 2008-0210, 2008-0211, 2008-0212, 2008-0213, 2008-0214, 2008-0215, 2008-0216, 2008-0217, 2008-0218, 2008-0219, 2008-0220, 2008-0221, 2008-0222, 2008-0223, 2008-0224, 2008-0225, 2008-0226, 2008-0227, 2008-0228, 2008-0229, 2008-0230, 2008-0231, 2008-0232, 2008-0233, 2008-0234, 2008-0235, 2008-0236, 2008-0237, 2008-0238, 2008-0239, 2008-0240, 2008-0241, 2008-0242, 2008-0243, 2008-0244, 2008-0245, 2008-0246, 2008-0247, 2008-0248, 2008-0249, 2008-0250, 2008-0251, 2008-0252, 2008-0253, 2008-0254, 2008-0255, 2008-0256, 2008-0257, 2008-0258, 2008-0259, 2008-0260, 2008-0261, 2008-0262, 2008-0263, 2008-0264, 2008-0265, 2008-0266, 2008-0267, 2008-0268, 2008-0269, 2008-0270, 2008-0271, 2008-0272, 2008-0273, 2008-0274, 2008-0275, 2008-0276, 2008-0277, 2008-0278, 2008-0279, 2008-0280, 2008-0281, 2008-0282, 2008-0283, 2008-0284, 2008-0285, 2008-0286, 2008-0287, 2008-0288, 2008-0289, 2008-0290, 2008-0291, 2008-0292, 2008-0293, 2008-0294, 2008-0295, 2008-0296, 2008-0297, 2008-0298, 2008-0299, 2008-0300, 2008-0301, 2008-0302, 2008-0303, 2008-0304, 2008-0305, 2008-0306, 2008-0307, 2008-0308, 2008-0309, 2008-0310, 2008-0311, 2008-0312, 2008-0313, 2008-0314, 2008-0315, 2008-0316, 2008-0317, 2008-0318, 2008-0319, 2008-0320, 2008-0321, 2008-0322, 2008-0323, 2008-0324, 2008-0325, 2008-0326, 2008-0327, 2008-0328, 2008-0329, 2008-0330, 2008-0331, 2008-0332, 2008-0333, 2008-0334, 2008-0335, 2008-0336, 2008-0337, 2008-0338, 2008-0339, 2008-0340, 2008-0341, 2008-0342, 2008-0343, 2008-0344, 2008-0345, 2008-0346, 2008-0347, 2008-0348, 2008-0349, 2008-0350, 2008-0351, 2008-0352, 2008-0353, 2008-0354, 2008-0355, 2008-0356, 2008-0357, 2008-0358, 2008-0359, 2008-0360, 2008-0361, 2008-0362, 2008-0363, 2008-0364, 2008-0365, 2008-0366, 2008-0367, 2008-0368, 2008-0369, 2008-0370, 2008-0371, 2008-0372, 2008-0373, 2008-0374, 2008-0375, 2008-0376, 2008-0377, 2008-0378, 2008-0379, 2008-0380, 2008-0381, 2008-0382, 2008-0383, 2008-0384,		