

STANDARD PLANS SUMMARY

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | STP-0300(187) | 2023 | 2 | 27 |

| 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 |

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|------|---|-----------|
| D-01 | CATTLE GATE | r01/27/17 |
| 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 | r01/27/17 |
| D-05 | TYPICAL DETAILS OF CURBS AND/OR GUTTERS | r01/27/17 |
| D-06 | TYPICAL DETAIL OF REINFORCED CONCRETE DROP DRIVEWAY | r01/27/17 |
| D-07 | CENTERLINE AND REFERENCE SURVEY MONUMENTS | 05/31/07 |
| D-08 | STREET SURVEY MONUMENT | 05/31/07 |
| D-15 | CONCRETE SIDEWALK | r11/01/21 |
| D-16 | P.C.C. BUS PAD | r01/27/17 |
| D-17 | P.C.C. BUS PAD | r01/27/17 |
| D-18 | P.C.C. PAVEMENT LAYOUT | r01/27/17 |
| D-19 | P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS | r01/27/17 |
| D-20 | P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS | r01/27/17 |
| D-21 | P.C.C. LONGITUDINAL JOINT DETAILS | r01/27/17 |
| D-22 | P.C.C. CONNECTION TO CURBS AND GUTTERS | 05/31/07 |
| D-23 | JOINTS | r01/27/17 |

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| 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 |

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| 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 ●)

ORIGINAL PLAN
DATE
DRAWN BY
TRACED BY
DESIGNED BY
CHECKED BY

2/22/22
DATE
Revised Std Plans D-01, D-04 to D-06, D-15 to D-21 and D-23
REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD PLANS SUMMARY
GUARDRAIL AND SHOULDER IMPROVEMENTS
At Various Locations, Phase 3, Oahu
Federal-Aid Project No. STP-0300(187)
Date: DECEMBER, 2023