

# STANDARD PLANS SUMMARY

|                     |       |             |             |           |              |
|---------------------|-------|-------------|-------------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| MAUI                | HAW.  | 360B-02-06M | 2009        | 2         | 34           |

| 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 | 05/31/07 |
|                   | Can Details                                     |          |
| B-12A             | Prestressed Concrete Piles, Pile & Compression  | 05/31/07 |
|                   | Splice Can Details & Notes                      |          |
| B-12B             | Pile Interaction Diagram                        | 05/31/07 |
| B-13              | Prestressed Concrete Pile Build-Up Details      | 05/31/07 |

| STANDARD PLAN NO. | TITLE   | DATE     |
|-------------------|---|----------|
| 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 Curb and Gutters               | 05/31/07 |
| D-23              | Joints  | 05/31/07 |

| STANDARD PLAN NO. | TITLE              | DATE     |
|-------------------|--------------------|----------|
| 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 Details   | 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 Frames                      | 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     | 05/31/07 |
|                   | Frame And Gates                                     |          |
| H-16              | Type 61614, 61614P, 61616, 61616P Steel Frame       | 05/31/07 |
|                   | And Gates   |          |
| H-17              | Type 61214 Steel Frames and Gates                   | 05/31/07 |
| H-18              | Type 61214P Steel Gates                             | 05/31/07 |
| H-19              | Type 61614B Steel Frame And Gates                   | 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 |

| STANDARD PLAN NO. | TITLE   | DATE     |
|-------------------|---|----------|
| 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        | 07/11/08 |
|                   | Guide Signs                                     |          |
| TE-12A            | Route Sign Assembles                            | 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                 | 07/11/08 |
| TE-26 ●           | Raise Pavement Markers and Striping             | 07/11/08 |
| TE-27 ●           | Raise Pavement Markers and Striping             | 07/11/08 |
| TE-28             | Entrance And Exit Pavement Markings             | 07/11/08 |
| TE-28A            | 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 |

| STANDARD | TITLE   | DATE     |
|----------|---|----------|
| TE-31 ●  | Pavement Alphabets, Numbers & Symbols             | 07/11/08 |
| 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. (D-07 ●)

ORIGINAL PLAN DRAWN BY JCA/JAA  
 SURVEY PLOTTED BY JCA/JAA  
 TRACED BY JCA/JAA  
 DESIGNED BY JAA  
 QUANTITIES BY JAA  
 CHECKED BY JAA  
 DATE: \_\_\_\_\_  
 NOTE BOOK No. \_\_\_\_\_



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
 SHIMBUKURO, ENDO & YOSHIZAKI, INC.  
 1126 12TH AVENUE  
 HONOLULU, HAWAII 96816

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

## STANDARD PLANS SUMMARY

*HANA HIGHWAY RESURFACING  
 Route 360, Kalahu to Hana  
 Project No. 360B-02-06M*

Scale: None Date: May 2009

SHEET No. P-1 OF P-1 SHEETS