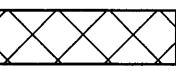
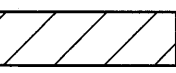
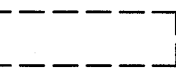
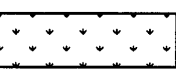
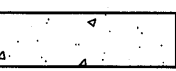


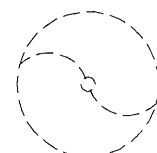
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83G-01-10	2011	3	38

ABBREVIATIONS

A.C. - Asphalt Concrete
Elec. - Electric or Electrical
MH - Manhole
Min. - Minimum
Max. - Maximum
Shldr. - Shoulder
Pav't. - Pavement
Exist./EX - Existing
Rd. - Road
B - Baseline
Sta. - Station
Std. - Standard
Sht. - Sheet
E.P. - Edge Pavement
E.S. - Edge Shoulder
R/W - Right-of-Way
Typ. - Typical
KBR - Kapaa Bypass Road
Rt. - Right
Lt. - Left
RCP - Reinforced Concrete Pipe
LF - Linear Feet
Exc. - Excavation
CY - Cubic Yards
CL - Centerline
Approx. - Approximately
w/ - with
o/s - Offset
Inv. - Invert
Conc. - Concrete
C.L. - Chan Link
R - Radius
T - Tangent
L_c - Length of Curve
C - Chord (Curve Data)
M.L. - Match Line
P.C. - Point of Curvature
P.T. - Point of Tangency
BVC - Begin Vertical Curve
EVC - End Vertical Curve
VC - Vertical Curve
PI - Pont of Intersection
S - Slope
FG - Finish Grade
EG - Existing Grade
SF - Square Feet
EMB - Embankment
C - Cut (Cross Sections)
F - Fill
SFM - Sewer Force Main
TC - Top Curb
BC - Bottom Curb
Trans. - Transition

LEGEND

 A.C. Pavement Reconstruction Area
 A.C. Pavement Reconstruction Area
 Cold Planing Area
 A.C. Pavement Resurfacing Area
 A.C. Pavement Demolition, Backfill and Grass
 Portland Cement Concrete (P.C.C.) Pavement Area
-e- Existing Electrical Line
-E- New Electrical Line
○ jp Existing Joint Pole
○ pp Existing Power Pole
○ spp Existing Steel Power Pole
○ emh Existing Electric Manhole
● EMH Adjusted Electric Manhole Frame/Cover
● EMH New Electric Manhole
-t- Existing Telephone Line
-T- New Telephone Line
○ tp Existing Telephone Pole
○ tmh Existing Telephone Manhole
● TMH Adjusted Telephone Manhole Frame/Cover
● TMH New Telephone Manhole
-sc- Existing Signal Corps Line
-SC- New Signal Corps Line
-tv- Existing TV Cable Line
-TV- New TV Cable Line
-sic- Existing Sandwich Isles Comm. Line
□ sign Existing Traffic Sign
■ New Traffic Sign
-w-12- Existing Water Line
-W-12- New Water Line
○ wmh Existing Water Manhole
● WMH Adjusted Water Manhole Frame/Cover
● WMH New Water Manhole
○ av Existing Water Air Valve
● AV Adjusted Water Air Valve
● AV New Water Air Valve
○ wv Existing Water Vavle Box
● WV Adjusted Water Valve Box
● WV New Water Valve Box
-fh Existing Fire Hydrant
● FH New Fire Hydrant
-s-12- Existing Sewer Line
-S-12- New Sewer Line
○ smh Existing Sewer Manhole
● SMH Adjusted Sewer Manhole Frame/Cover
● SMH New Sewer Manhole

-g-6- Existing Gas Line
-G-6- New Gas Line
○ gmh Existing Gas Valve Box
● GMH Adjusted Gas Valve Box
● GMH New Gas Valve Box
-d-24- Existing Drain Line
D24 (RCP) New RCP Drain Line
○ sdmh Existing Storm Drain Manhole
● SDMH Adjusted Storm Drain Manhole Frame/Cover
● SDMH New Storm Drain Manhole
□ gdi Existing Grated Drop Inlet
■ GDI Adjusted Grated Drop Inlet and/or Replace Existng Grate
□ GDI New Grated Drop Inlet
-cb Existing Catch Basin
○ mon Existing Monument
● MON. Adjusted or Reconstructed Monument
○ hl Existing Highway Lighting Standard
● HL New Highway Lighting Standard
□ hlpb Existing Highway Lighting Pull Box
■ HLPB Adjusted Highway Lighting Pull Box
■ HLPB New Highway Lighting Pull Box
○ tsp Existing Traffic Signal Pole
● TSP New Traffic Signal Pole
□ tspb Existing Traffic Signal Pull Box
■ TSPB Adjusted Traffic Signal Pull Box
■ TSPB New Traffic Signal Pull Box
gp Existing Gate Post
-g- Existing Metal Guardrail
-g- New Metal Guardrail
-g- Adjusted and/or Relocated Metal Guardrail
 Existing Tree

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

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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ABBREVIATIONS & LEGEND	
TRAFFIC OPERATIONAL IMPROVEMENTS AT VARIOUS LOCATIONS VICINITY OF KAMEHAMEHA HIGHWAY AND MOKULELE DRIVE Project No. 83G-01-10	
Scale: As Noted	Date: May 2011
SHEET No. 1 OF 4 SHEETS	