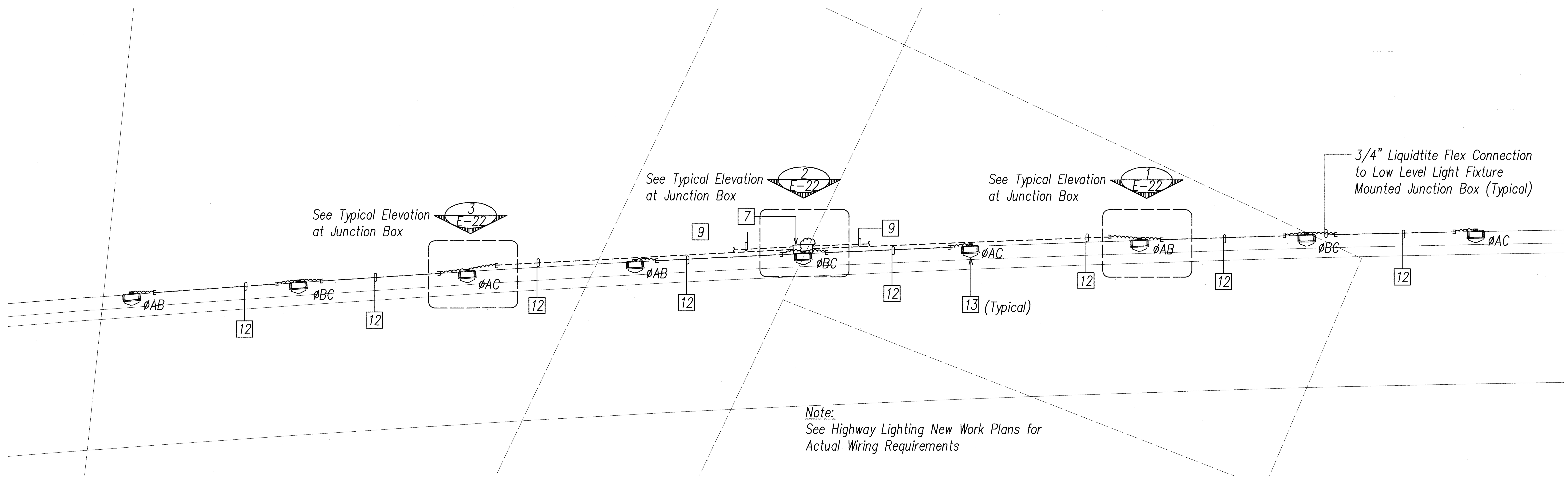
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-05MR	2008	23	38



1 / E-22 TYPICAL ENLARGED PLAN OF WIRING TO LOW LEVEL LIGHT FIXTURES

SCALE: 1"=4'

NEW WORK PLAN NOTES

1. New Circuit No. 1: Existing 2" Conduit with New Conductors. See Existing Highway Lighting System Diagrams with Modifications on Sheets E-26 and E-27 for Conductor Sizes.
2. New Circuit No. 2: Existing 2" Conduit with New Conductors. See Existing Highway Lighting System Diagrams with Modifications on Sheets E-26 and E-27 for Conductor Sizes.
3. Existing Circuit No. 4 to Remain.
4. Existing Spare 2" Conduit.
5. Existing Highway Light Standard Circuit to be Reconnected to New Circuit in Existing Pullbox.
6. Existing Circuit No. 3 to Remain.
7. New Junction Box, 18" SQ. x 8"D, NEMA 4X, Type 315 Stainless Steel, with Tamperproof Screws to Secure Junction Box Cover; Mounted to Existing Concrete Barrier per Structural Details. See Structural Sheet S-1.
8.
9. New Circuit NO. 2: New 2" Galvanized Rigid Steel Conduit with PVC Coating, to Adjacent Junction Box; Surface Mounted on Existing Concrete Barrier per Structural Details. See Structural Sheet S-1.
10. Provide Galvanized Rigid Steel Conduit to Liquidtite Flexible Metal Conduit Transition Across Existing Bridge Expansion Joint as Required to Allow for Movement of Bridge Structure Without Damaging Conduit Installation.
11. Existing Highway Sign Light Circuit to Remain and be Reconnected to New Lighting Circuit, to Maintain Existing Circuit Continuity.
12. New 3/4" Galvanized Rigid Steel Conduit with PVC Coating, to Adjacent Low Level Highway Light Fixture; Surface Mounted on Existing Concrete Barrier per Structural Details. See Structural Sheet S-1.
13. New Low Level Highway Light Fixture; Mounted on Top of Existing Concrete Barrier.
14. Existing Highway Lighting Concrete Pullbox.

4' 2' 0 4' 8' 12'
SCALE: 1"=4'
GRAPHIC SCALE

RONALD N. S. HO & ASSOCIATES, INC.
Electrical Engineers

ANDREW I. MIYASATO
LICENSED PROFESSIONAL ENGINEER
No. 4340-E
HAWAII, U.S.A.
05.22.08

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04.30.2010
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ENLARGED PLAN FOR WIRING TO HIGHWAY LIGHTS

H-2 RAIL LIGHT REPLACEMENT, VICINITY OF WAHIAWA OFF RAMP

Project No. HWY-0-03-05MR
Scale: AS NOTED Date: MAY 2008
SHEET No. E-22 OF 35 SHEETS

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