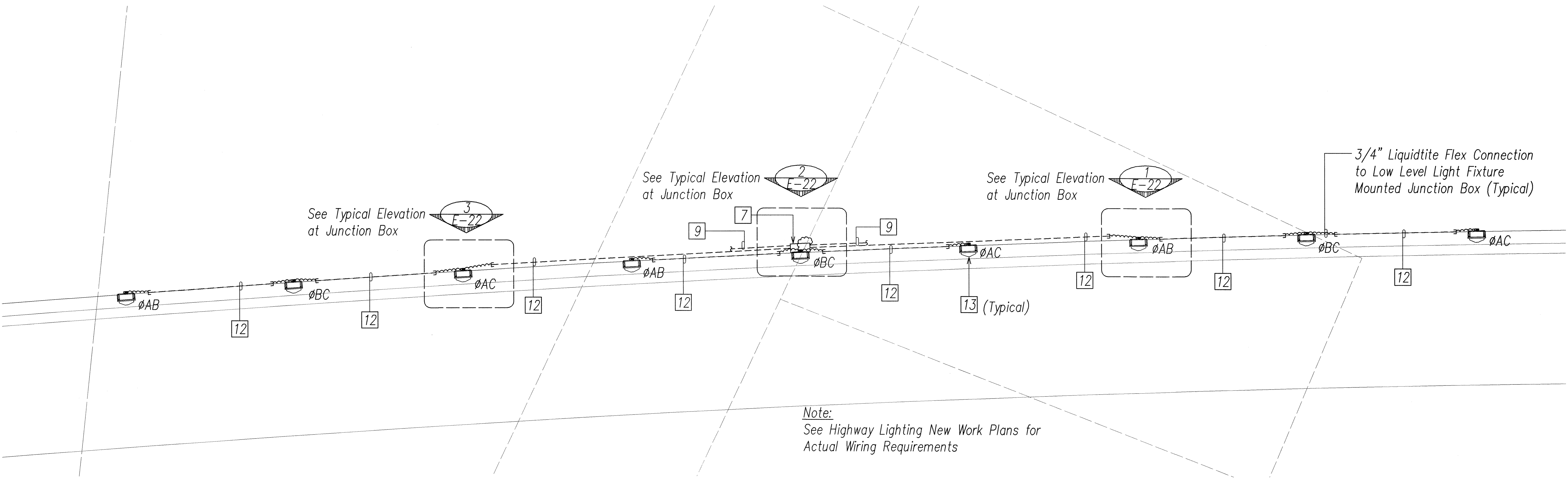


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-05M	2007	23	36

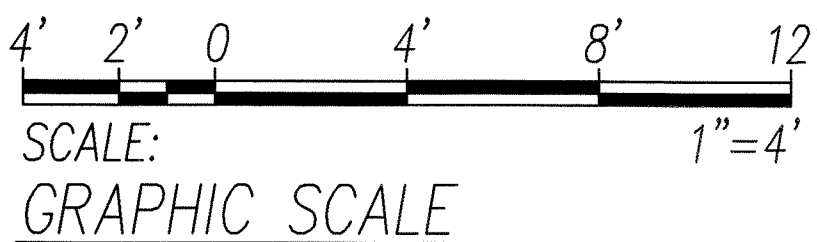
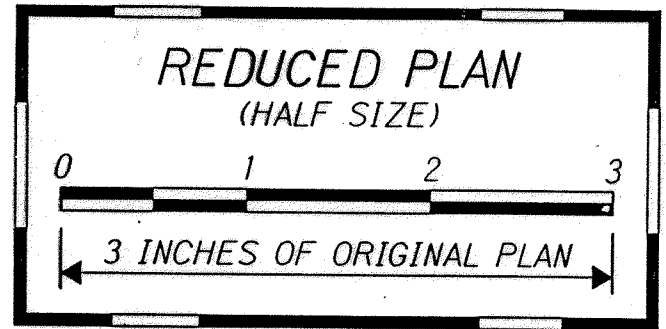


1  
E-22  
TYPICAL ENLARGED PLAN OF WIRING TO LOW LEVEL LIGHT FIXTURES  
SCALE: 1"=4'

### 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.

- 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 Liquidtight 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.



RONALD N. S. HO & ASSOCIATES, INC.  
Electrical Engineers  
ANDREW I. MIYASHIRO  
LICENSED PROFESSIONAL ENGINEER  
No. 4340-E  
HAWAII, U.S.A.  
06.03.07  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
04.30.2008  
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-0-03-05M  
Scale: AS NOTED Date: JUNE 2007  
SHEET No. E-22 OF 35 SHEETS