

**GEOTECHNICAL ENGINEERING EXPLORATION
TRAFFIC SIGNAL MODERNIZATION PROJECT
KALANIANA'OLE HIGHWAY & KALANIIKI STREET INTERSECTION
HONOLULU, OAHU, HAWAII
W.O. 7328-00(C) AUGUST 12, 2019**

TABLE OF CONTENTS

	Page
SUMMARY OF FINDINGS AND RECOMMENDATIONS.....	iii
1. GENERAL	1
1.1 Project Considerations.....	1
1.2 Purpose and Scope	1
2. SITE CHARACTERIZATION.....	4
2.1 Regional Geology	4
2.2 Site Description.....	5
2.3 Subsurface Conditions.....	5
3. DISCUSSION AND RECOMMENDATIONS	7
3.1 Traffic Signal Pole Foundations	7
3.1.1 Foundation Settlements	9
3.1.2 Drilled Shaft Construction Considerations.....	9
3.2 Utility Trench.....	10
3.3 Design Review.....	11
3.4 Post-Design Services/Services During Construction	11
4. LIMITATIONS.....	13
CLOSURE.....	15
PLATES	
Project Location Map.....	Plate 1
Site Plan	Plate 2
APPENDIX A	
Field Exploration.....	Pages A-1 and A-2
Soil Log Legend.....	Plate A-0.1
Soil Classification Log Key	Plate A-0.2
Rock Log Legend	Plate A-0.3
Log of Boring	Plate A-1

APPENDIX B

Laboratory Tests.....	Page B-1
Laboratory Test Data	Plates B-1 thru B-3

APPENDIX C

Photographs of Core Samples.....	Plate C-1
----------------------------------	-----------