STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 2
FOR
NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING AND HIGHWAY LIGHTING REPLACEMENT
FORT STREET TO KALAKAUA AVENUE
FEDERAL-AID PROJECT NO. NH-092-1(27)
DISTRICT OF HONOLULU
ISLAND OF OAHU
FY 2009

Amend the Bid Documents as follows:

A. PLANS

1. Revise Plan Sheet No. 43 by amending Material Note L to read as follows:

   "A minimum of 7.5 lbs/CY of synthetic structural fiber reinforcing shall be added to the concrete mix for concrete used in Item No. 676.1000 Concrete Repair for Sidewalk on Bridge and for Item No. 676.2000 Concrete Repair for Walls. Fiber reinforcing shall be made of 100% virgin copolymer/polypropylene manufactured to reduce shrinkage cracking and increase fatigue resistance of concrete, and shall be approved by the Engineer."

2. Revise Plan Sheet No. 203 and 205 by amending 'CATV MH-2H' to read as follows: "CATV MH-2F."

B. PROPOSAL SCHEDULE

1. P-1 sheet was missing on Addendum No. 1. See attached for your information.

2. Replace page P- 19 dated r2/10/2010 with the attached page P- 19 dated r2/26/2010.

C. PAVEMENT CORES AND SOILS BORING REPORT was missing on Addendum No. 1. See attached for your information.

D. PRE-BID MEETING

Pre-bid Meeting Minutes and attendance sheet were missing on Addendum No. 1. See attached for your information.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the proposal.

BRENNON T. MORIOKA
Director of Transportation

PROPOSAL TO THE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

PROJECT: Nimitz Highway and Ala Moana Boulevard Resurfacing
And Highway Lighting Replacement
Fort Street to Kalakaua Avenue
District of Honolulu
Island of Oahu

PROJECT NO.: NH-092-1(27)

COMPLETION TIME: 400 working days from the date indicated in the Notice to Proceed from the Department.

DBE PROJECT GOAL: None Specified

DESIGN PROJECT MANAGER:

NAME:	Li Nah Okita
ADDRESS:	601 Kamokila Boulevard, Room 609 Kapolei, Hawaii 96707
PHONE NO.:	(808) 692-7581
EMAIL:	li.nah.okita@hawaii.gov
FAX NO.:	(808)692-7590

PROPOSAL SCHEDULE FOR NIMITZ HIGHWAY AND ALA MOANA BOULEVARD IMPROVEMENTS WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
621.4042	HTCO Ductline, Ten 4-Inch, and CATV Ductline, Two 4-Inch Conduit Encased in Concrete Jacket (Section C42)	L.S.	L.S.	L.S.	$_____
621.4043	HECO Ductline, Two 4-Inch and Four 6-Inch, HTCO Ductline, Two 4-Inch and CATV Ductline, Two 4-Inch Conduit Encased in Concrete Jacket (Section C43)	L.S.	L.S.	L.S.	$_____
621.4044	HECO Ductline, Two 4-Inch and Four 6-Inch, and CATV Ductline, Three 4-Inch Conduit Encased in Concrete Jacket (Section C44)	L.S.	L.S.	L.S.	$_____
621.4045	HTCO Ductline, One 2-Inch, and CATV Ductline, One 2-Inch Conduit Encased in Concrete Jacket (Section C45)	L.S.	L.S.	L.S.	$_____
621.4046	CATV Ductlie, One 4-Inch Conduit Encased in Concrete Jacket (Section C46)	L.S.	L.S.	L.S.	$_____
621.4047	HECO Ductline, One 3-Inch, and HTCO Ductline, One 4-Inch Conduit Encased in Concrete Jacket (Section C47)	L.S.	L.S.	L.S.	$_____
621.4102	HECO Ductline, Two 2-Inch, Four 4-Inch, and Four 6-Inch Conduit Encased in Concrete Jacket (Section E2)	L.S.	L.S.	L.S.	$_____
621.4103	HECO Ductline, One 3-Inch, Two 4-Inch, and Four 6-Inch Conduit Encased in Concrete Jacket (Section E3)	L.S.	L.S.	L.S.	$_____
621.4104	HECO Ductline, Two 2-Inch, Two 4-Inch, and Four 6-Inch Conduit Encased in Concrete Jacket (Section E4)	L.S.	L.S.	L.S.	$_____
621.4105	HECO Ductline, Six 4-Inch and Two 5-Inch Conduit Encased in Concrete Jacket (Section E5)	L.S.	L.S.	L.S.	$_____
621.4106	HECO Ductline, Two 4-Inch, and Four 6-Inch Conduit Encased in Concrete Jacket (Section E6)	L.S.	L.S.	L.S.	$_____

Pavement Cores from Fort Street to Piikoi Street

1. Nimitz Hwy, Sta. 138+50, 38 feet right – 2nd to Right Lane, Diamond Head Bound
   3" AC over 8.5" ACB over untreated base course

2. Nimitz Hwy, Sta. 142+75, 40 feet left – 2nd to Right Lane, Ewa Bound
   2.5" AC over 5.75" ACB (SPLIT) 4.5" Concrete

3. Nimitz Hwy, Sta. 147+40, 45 feet right – Right Lane, Diamond Head Bound
   2" AC over 1" AC over 1.25" AC (SPLIT) 6.75" ACB (SPLIT) 2" AC poor condition

4. Ala Moana Blvd., Sta. 152+55, 42 feet left – Right Lane, Ewa Bound
   3.5" AC over 5.5" ACB over 3.5" ACB

5. Ala Moana Blvd., Sta. 156+00, 20 feet right – Left Lane, Diamond Head Bound
   3" AC over 1.5" AC over 9" ACB

6. Ala Moana Blvd., Sta. 161+15, 18 feet left – Left Lane, Ewa Bound
   3" AC over 1.5" AC over 1.5" ACB over 1.5" AC (SPLIT) 2.5" ACB over 6.5" Concrete

7. *Ala Moana Blvd., Sta. 12+50 (about 430 feet from Boring 6), 16 feet right – 2nd to Right Lane, Diamond Head Bound
   1" AC poor condition (SPLIT) 2" AC poor condition (SPLIT) 1.5" AC poor condition over 1.5" AC over 3.5" ACB over 5.5" Cement-treated base

8. *Ala Moana Blvd., Sta. 18+45, 15 feet left – Left Lane, Ewa Bound
   3" AC (SPLIT) 2" AC poor condition (SPLIT) 3" ACB over 6" Cement-treated base

9. Ala Moana Blvd., Sta. 26+30, 20 feet right – 2nd to Right Lane, Diamond Head Bound
   1.5" AC over 1.5" AC over 1.5" AC over 3" AC over 1" macadam

10. Ala Moana Blvd., Sta. 30+55, 10 feet left – 3rd to Right Lane, Ewa Bound
    1.5" AC over 6" AC over 3" macadam

11. Ala Moana Blvd., Sta. 34+10, 10 feet right – Left Lane, Diamond Head Bound
    1.5" AC over 1.5" AC over 3" AC over untreated base course

12. Ala Moana Blvd., Sta. 39+68, 9 feet left – 3rd to Right Lane, Ewa Bound
    1.5" AC over 4.5" AC over untreated base course

13. *Ala Moana Blvd., Sta. 42+72, 30 feet right – Right Lane, Diamond Head Bound
    1.5" AC over 2" AC over 2" AC (SPLIT) 0.5" broken AC (SPLIT) 7" ACB

14. Ala Moana Blvd., Sta. 4+80 (about 685 feet from Boring 13), 22 feet left – 2nd to Right Lane, Ewa Bound
    1.5" AC over 1" AC over 2.5" AC over 3" ACB (SPLIT) 1.5" AC

15. Ala Moana Blvd., Sta. 9+50, 25 feet right – 2nd to Right Lane, Diamond Head Bound

1" AC over 2" AC over 11" ACB (SPLIT) 2" ACB

16. *Ala Moana Blvd., Sta. 16+30, 25 feet left – 2nd to Right Lane, Ewa Bound
    3.5" AC (SPLIT) 6.5" ACB (SPLIT) 1" AC over subgrade

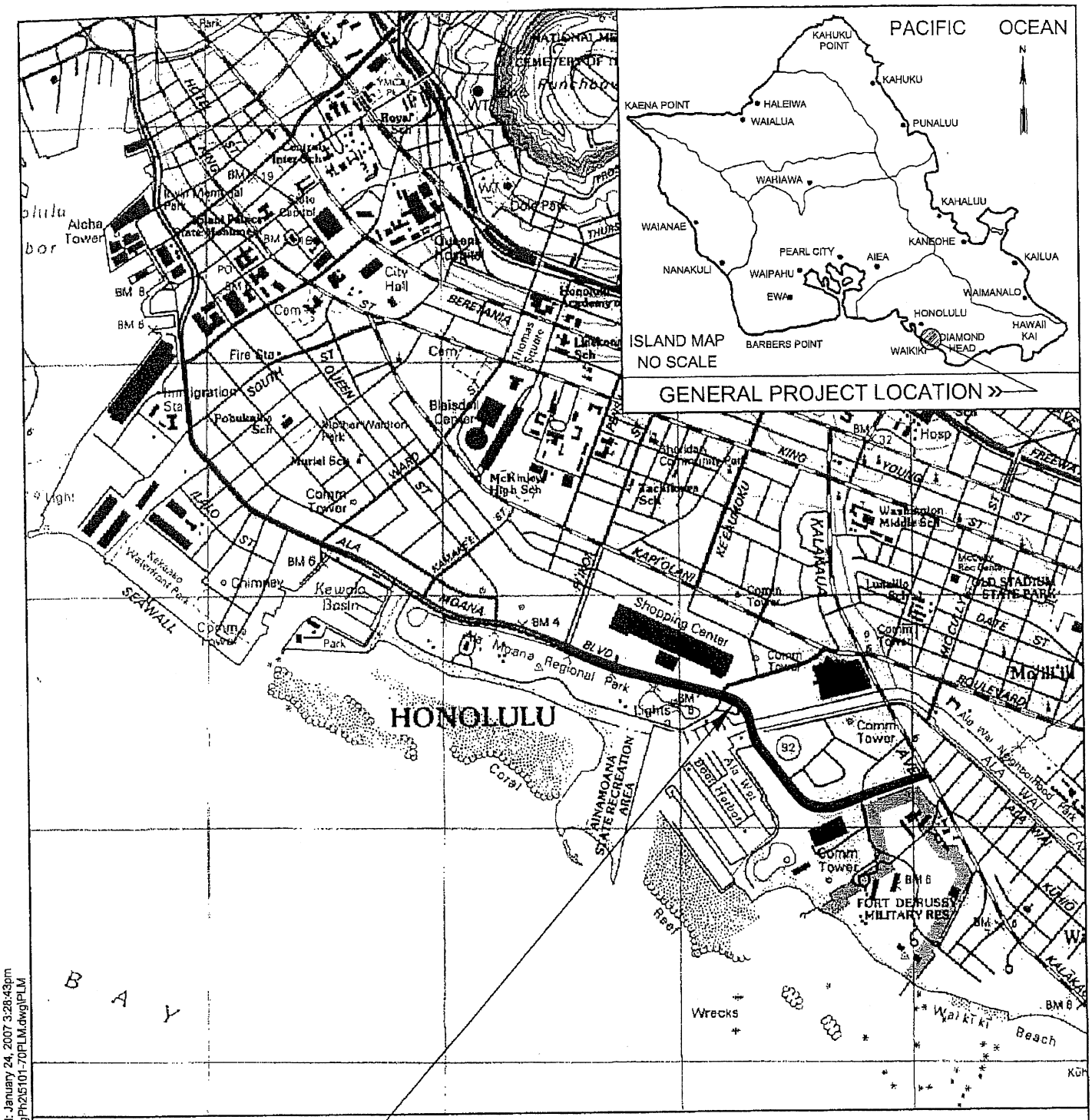
17. Ala Moana Blvd., Sta. 21+00, 15 feet right – Left Lane, Diamond Head Bound
    1.5" AC over 1.5" AC over 2.5" AC (SPLIT) 3" Macadam

18. Ala Moana Blvd., Sta. 25+25, 25 feet left – 2nd to Right Lane, Ewa Bound
    3" AC over 8" ACB over untreated base course

19. Ala Moana Blvd., Sta. 30+50, 15 feet right – Left Lane, Diamond Head Bound
    2.5" AC poor condition (SPLIT) 3" AC over untreated base course

20. Ala Moana Blvd., Sta. 33+65, 15 feet left – Left Lane, Ewa Bound
    2.5" AC over 3" AC over 7" ACB

SOILS BORING REPORT FROM PIIKOI STREE TO KALAKAUA AVENUE



PROJECT LOCATION MAP

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

2000 1000 0 2000 FT.

GRAPHIC SCALE

N

REFERENCE: MAP CREATED WITH TOPO!® ©2001 NATIONAL GEOGRAPHIC (WWW.NATIONALGEOGRAPHIC.COM/TOPO).

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DATE	DRAWN BY	PLATE
JANUARY 2007	HYC	1
SCALE	W.O.	
1" = 2,000'	5101-70	

User: HENRY File Created: January 18, 2007 File Last Updated: January 24, 2007 3:28:43pm
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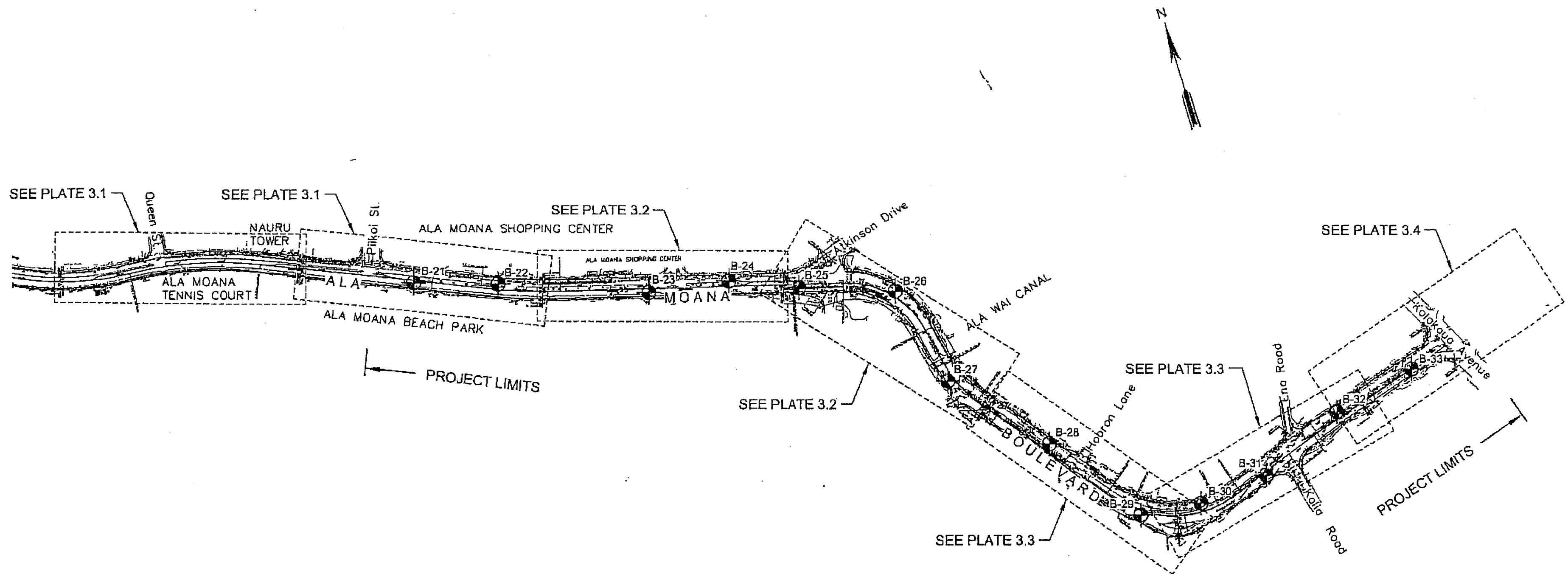


LEGEND:

⊕ APPROXIMATE BORING LOCATION

REFERENCE: ROADWAY PLAN TRANSMITTED BY HIDOT ON JANUARY 16, 2007.

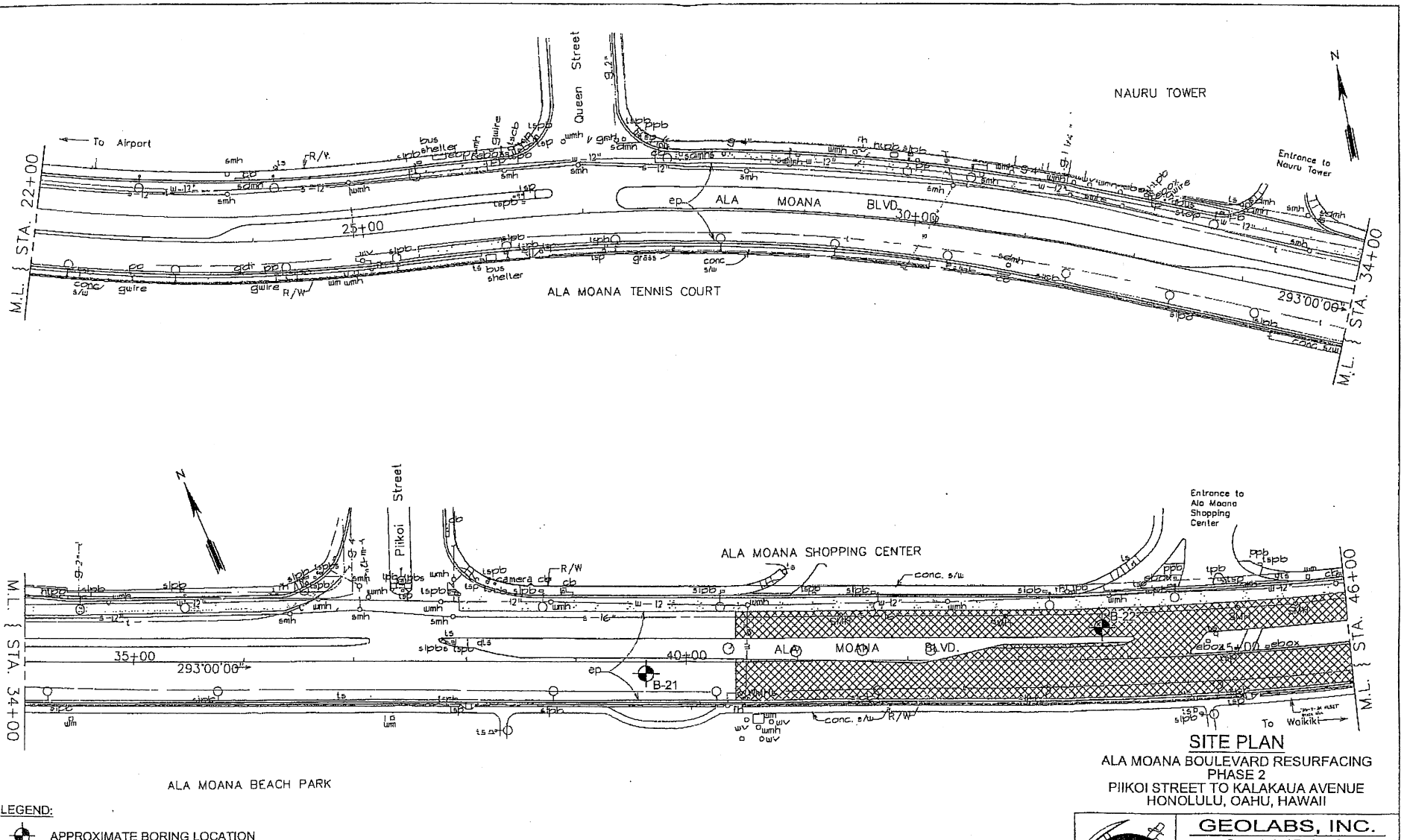
0 250 500 1000 1500 FEET

GRAPHIC SCALE

GENERAL SITE PLAN

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

GEOLABS, INC. Geotechnical Engineering		
DATE: JANUARY 2007	DRAWN BY: HYC	PLATE
SCALE: 1" = 600'	W.O.: 5101-70	2



LEGEND:

- APPROXIMATE BORING LOCATION
- APPROXIMATE LIMITS OF PAVEMENT RECONSTRUCTION

REFERENCE: ROADWAY PLAN TRANSMITTED BY HIDOT ON JANUARY 16, 2007.

0 40 80 160 240 FT.

GRAPHIC SCALE

SITE PLAN

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

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Geotechnical Engineering

DATE	DRAWN BY	PLATE
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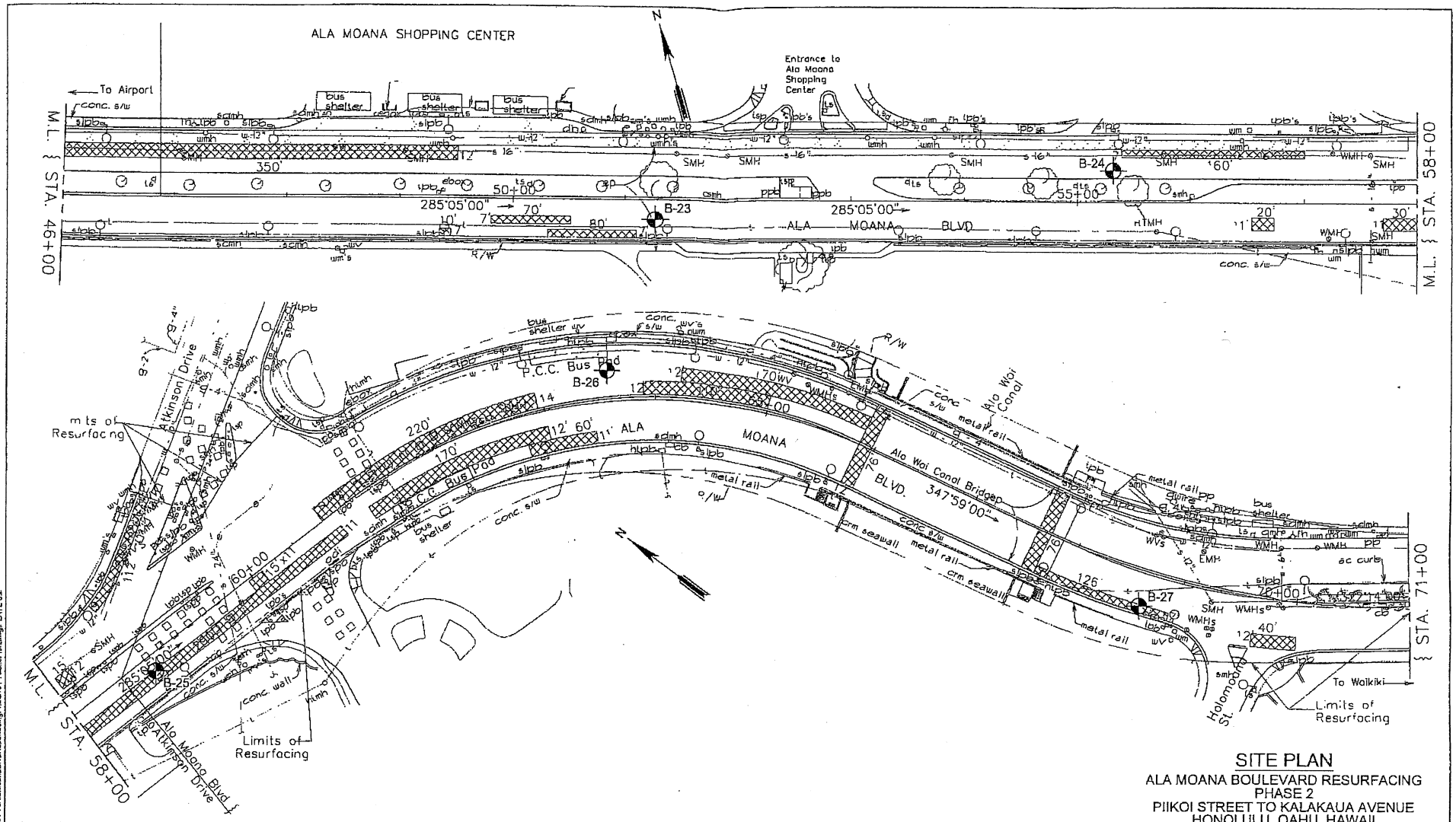
SCALE	W.O.	
1" = 80'	5101-70	



REFERENCE: ROADWAY PLAN TRANSMITTED BY HIDOT ON JANUARY 16, 2007.

SITE PLAN

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

GEOLABS, INC.
Geotechnical Engineering

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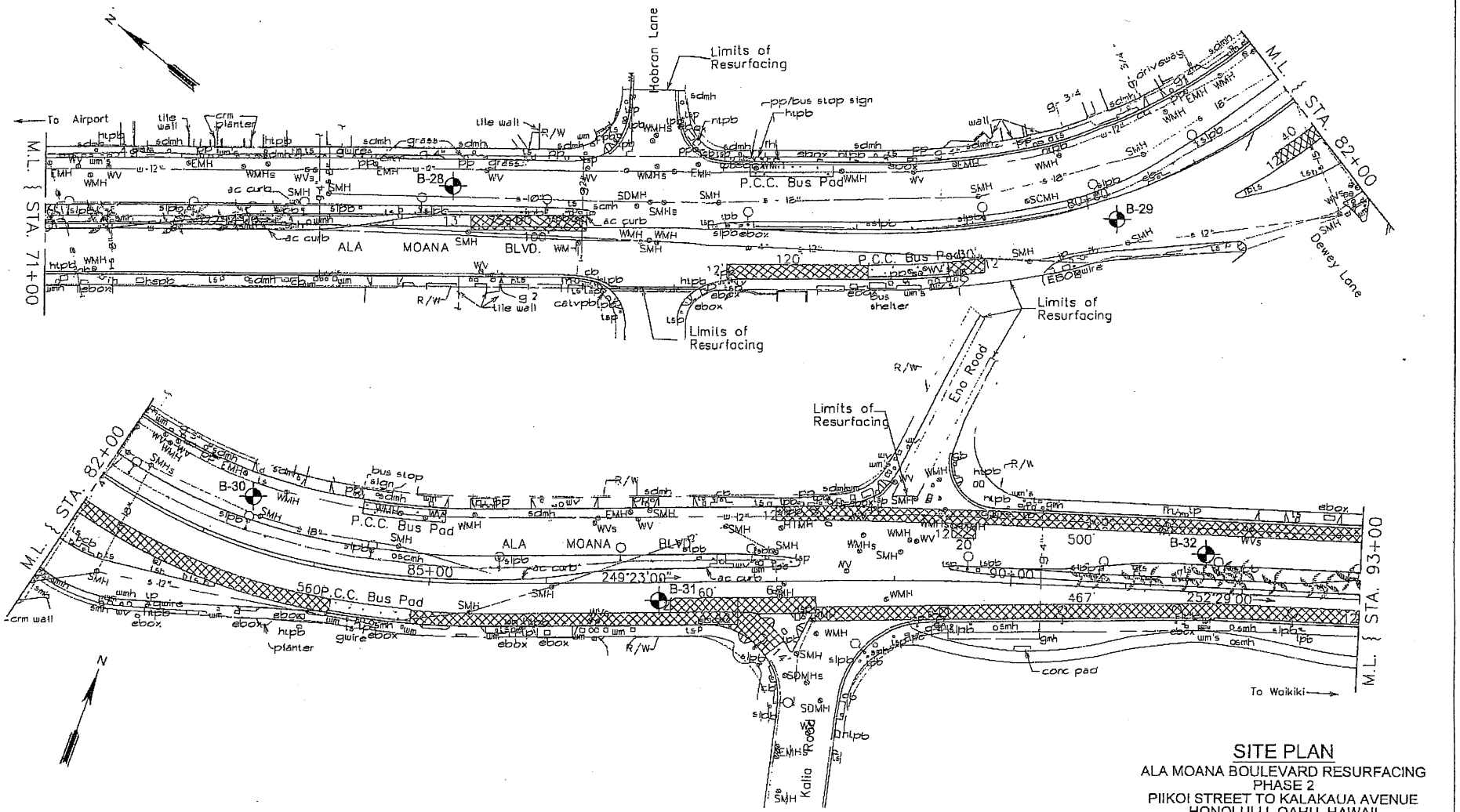
SCALE: 1" = 80'	W.O.: 5101-70	



SITE PLAN

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

LEGEND:

- APPROXIMATE BORING LOCATION
- APPROXIMATE LIMITS OF PAVEMENT RECONSTRUCTION

REFERENCE: ROADWAY PLAN TRANSMITTED BY HIDOT ON JANUARY 16, 2007.

0 40 80 160 240 FT.
GRAPHIC SCALE

GEOLABS, INC.
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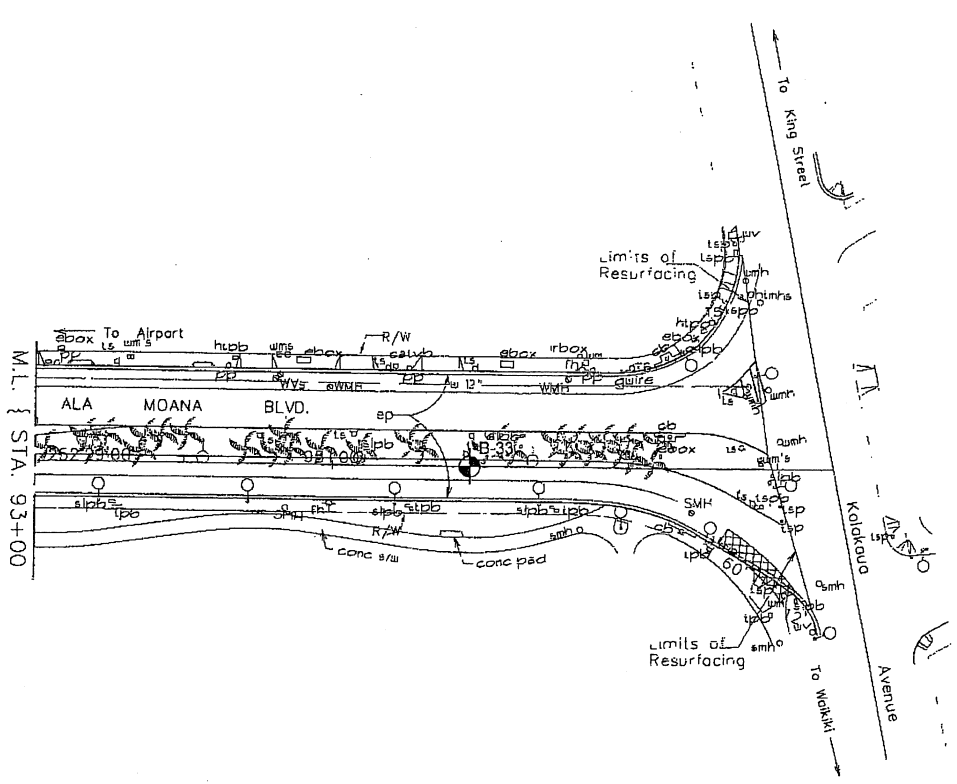
DATE	DRAWN BY	PLATE
JANUARY 2007	HYC	3.3
SCALE	W.O.	
1" = 80'	5101-70	



LEGEND:

APPROXIMATE BORING LOCATION

APPROXIMATE LIMITS OF PAVEMENT RECONSTRUCTION

REFERENCE: ROADWAY PLAN TRANSMITTED BY HIDOT ON JANUARY 16, 2007.

0 40 80 160 240 FT.

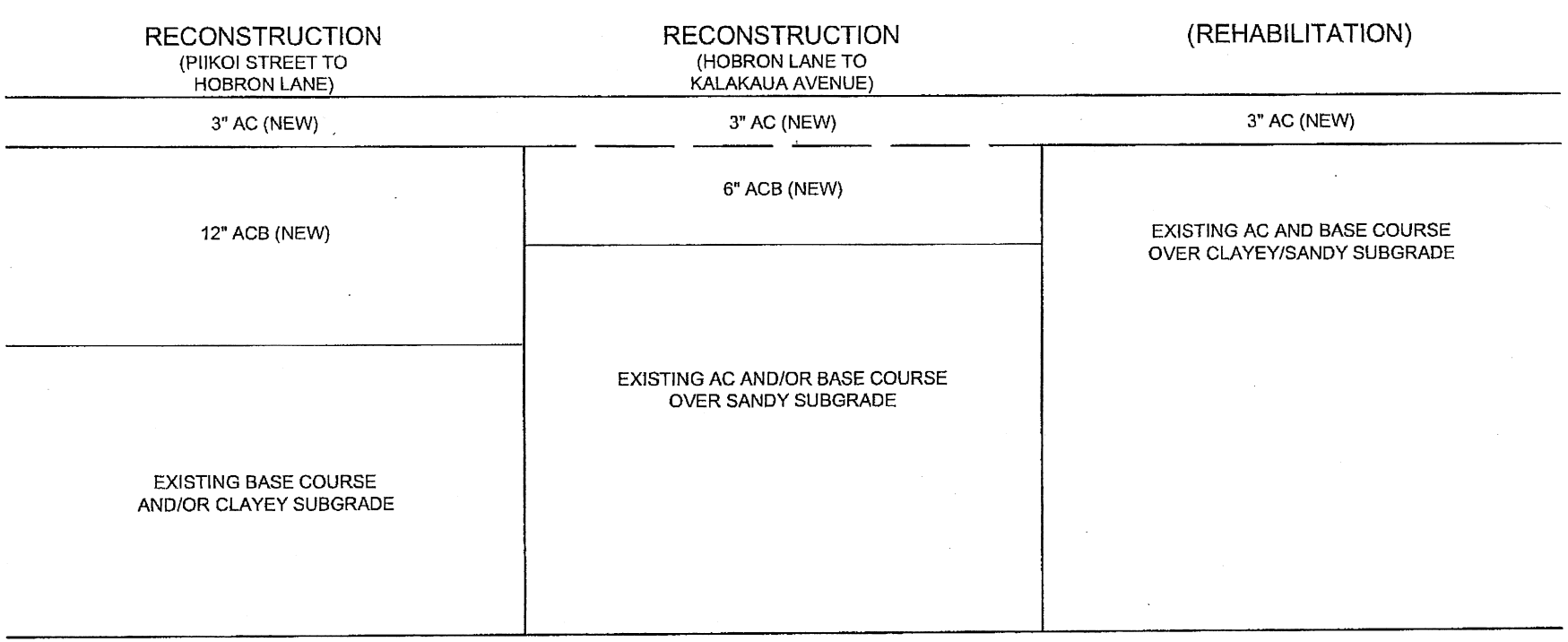
GRAPHIC SCALE

SITE PLAN

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

GEOLABS, INC.
Geotechnical Engineering

DATE	DRAWN BY	PLATE
JANUARY 2007	HYC	3.4
SCALE 1" = 80'	W.O 5101-70	



PAVEMENT REHABILITATION/RECONSTRUCTION

SCHEMATIC SKETCH

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

GEOLABS, INC. *Geotechnical Engineering*		
DATE: JANUARY 2007	DRAWN BY: HYC	PLATE: 4
SCALE: N/A	W.O.: 5101-70	

APPENDIX A

Field Exploration

The subsurface conditions along the Ala Moana Boulevard Resurfacing, Phase 2 project were explored by drilling and sampling thirteen borings, designated as Boring Nos. 21 through 33, extending to depths of about 3.5 to 5.5 feet below the existing pavement surface. The approximate test boring locations are shown on the Site Plans, Plates 3.1 through 3.4. The borings were drilled using a truck-mounted drill rig equipped with continuous solid-stem augers and coring tools.

The materials encountered in the borings were classified by visual and textural examination in the field by our geologist, who monitored the drilling operations on a near-continuous basis. These classifications were further reviewed visually and by testing in the laboratory. Soils were classified in general conformance with the Unified Soil Classification System, as shown on the Log Legend, Plate A. Graphic representations of the materials encountered in the borings are presented on the Logs of Borings, Plates A-1 through A-13.

Relatively "undisturbed" soil samples were obtained from the borings in general accordance with ASTM D 3550, Ring-Lined Barrel Sampling of Soils, by driving a 3-inch OD Modified California sampler with a 140-pound hammer falling 30 inches. In addition, some samples were obtained from the drilled borings in general accordance with ASTM D 1586, Penetration Test and Split-Barrel Sampling of Soils, by driving a 2-inch OD standard penetration sampler using the same hammer and drop. The blow counts needed to drive the sampler the second and third 6 inches of an 18-inch drive are shown as the "Penetration Resistance" on the Logs of Boring at the appropriate sample depths.

(h:\5100Series\5101-70.tk3 – p.28)

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Log Legend

UNIFIED SOIL CLASSIFICATION SYSTEM (USCS)

MAJOR DIVISIONS			USCS	TYPICAL DESCRIPTIONS
COARSE-GRAINED SOILS MORE THAN 50% OF MATERIAL RETAINED ON NO. 200 SIEVE	GRAVELS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS LESS THAN 5% FINES	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES MORE THAN 12% FINES	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SANDS 50% OR MORE OF COARSE FRACTION PASSING THROUGH NO. 4 SIEVE	CLEAN SANDS LESS THAN 5% FINES	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES MORE THAN 12% FINES	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE-GRAINED SOILS 50% OR MORE OF MATERIAL PASSING THROUGH NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT 50 OR MORE		MH	INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

LEGEND

	(2-INCH) O.D. STANDARD PENETRATION TEST	LL	LIQUID LIMIT
	(3-INCH) O.D. MODIFIED CALIFORNIA SAMPLE	PI	PLASTICITY INDEX
S	SHELBY TUBE SAMPLE	TV	TORVANE SHEAR (tsf)
G	GRAB SAMPLE	PEN	POCKET PENETROMETER (tsf)
	CORE SAMPLE	UC	UNCONFINED COMPRESSION (psi)
		▽	WATER LEVEL OBSERVED IN BORING

Plate

A

GEOLABS, INC. Geotechnical Engineering	ALA MOANA BOULEVARD RESURFACING PHASE 2 PIIKOI STREET TO KALAKAUA AVENUE HONOLULU, OAHU, HAWAII	Log of Boring 21

Laboratory			Field								
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Approximate Ground Surface Elevation : N/A Description
											12-inch **ASPHALTIC CONCRETE**
										GW	6-inch **BASE COURSE**
LL=79 PI=53	77	60			3					CH	Gray **SILTY CLAY** with some sand and gravel, soft, moist to wet (fill)
	44				20/.5' Ref.						**COBBLES**
											Boring terminated at 4 feet
							5				
							10				

Date Started:	December 4, 2006	Water Level: ▽	3.6 ft. 12/4/06 0945 HRS	Plate
Date Completed:	December 4, 2006			
Logged By:	S. Latronic	Drill Rig:	MOBILE B-53	
Total Depth:	4 feet	Drilling Method:	4" Core Barrel & 4" Auger	A - 1
Work Order:	5101-70	Driving Energy:	140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

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ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **22**

Laboratory			Field								Approximate Ground Surface Elevation : N/A
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Description
											8.5-inch **ASPHALTIC CONCRETE**
										SW	6-inch **BASE COURSE (CORALLINE)**
	8				76					MH	Brown **CLAYEY SILT** with gravel and old asphalt, very stiff, damp (fill)
	16									SM	Tan **SILTY SAND** with traces of gravel, medium dense, moist (fill)
	38				17					MH	Tan **CLAYEY SILT,** soft, moist to wet (marine deposit)
							▽ 5				Boring terminated at 5 feet
							10				

Date Started:	December 5, 2006	Water Level: ▽ 4.9 ft. 12/5/06 1310 HRS	Plate
Date Completed:	December 5, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 6" Auger	A - 2
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING_LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

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ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **23**

Approximate Ground Surface Elevation : N/A

Laboratory			Field							
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Description
											14-inch **ASPHALTIC CONCRETE**
										GW	4-inch **BASE COURSE**
										SM	Tannish white **SILTY SAND** with gravel, loose, moist (fill)
	62				3						
										OH	Gray **ORGANIC SILTY CLAY** with traces of gravel, soft, moist to wet (lagoonal deposit/fill)
	27				8						**COBBLES (BASALTIC)**
										SM	Light gray **SILTY SAND,** loose (dredged fill)
							5				
											Boring terminated at 5.5 feet
							10				

Date Started:	December 4, 2006	Water Level: ▽ 3.2 ft. 12/4/06 1050 HRS	Plate
Date Completed:	December 4, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 3
Total Depth:	5.5 feet	Drilling Method: 4" Core Barrel & 4" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **24**

Approximate Ground Surface Elevation : N/A

Laboratory			Field								
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Description
											8-inch **ASPHALTIC CONCRETE**
										SW	6-inch **BASE COURSE (CORALLINE)**
LL=49 PI=24	16				39					CL	Brown **SANDY CLAY** with gravel, very stiff, damp (fill)
											OLD ASPHALTIC CONCRETE
											Boring terminated at 3.5 feet
							5				
							10				

Date Started:	December 5, 2006	Water Level: ▽ Not Encountered	Plate
Date Completed:	December 5, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 4
Total Depth:	3.5 feet	Drilling Method: 4" Core Barrel & 6" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING_LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **25**

Laboratory			Field								
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Approximate Ground Surface Elevation : N/A Description
											7-inch **ASPHALTIC CONCRETE**
										GW	12-inch **BASE COURSE**
	15				28					SM	Tan **SILTY SAND** with gravel, medium dense, moist (fill)
	60				5						
						0.1				OH	Gray **ORGANIC CLAY,** soft, wet (lagoonal deposit)
							5				Boring terminated at 5 feet
							10				

Date Started:	December 4, 2006	Water Level: ▽ 4.8 ft. 12/4/06 1145 HRS	Plate
Date Completed:	December 4, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 5
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 4" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **26**

Laboratory			Field								
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Approximate Ground Surface Elevation : N/A **Description**
											6.5-inch **ASPHALTIC CONCRETE**
										GW	17.5-inch **BASE COURSE**
					29					SM	Tan **SILTY SAND** with gravel, medium dense, moist to wet (fill)
	22				11						grades with more gravel
							5				Boring terminated at 5 feet
							10				

Date Started:	December 5, 2006	Water Level: ▽ 4.8 ft. 12/4/06 1150 HRS	Plate
Date Completed:	December 5, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 6
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 6" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **27**

Laboratory			Field								
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Approximate Ground Surface Elevation : N/A Description
											8-inch **ASPHALTIC CONCRETE**
	9				49					GW	16-inch **BASE COURSE**
LL=45 PI=26					15					CL	Brown **GRAVELLY CLAY,** very stiff, moist (fill)
							5				Boring terminated at 5 feet
							10				

Date Started:	December 4, 2006	Water Level: ▽ Not Encountered	Plate
Date Completed:	December 4, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 7
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 4" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING_LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **28**

Approximate Ground Surface Elevation : N/A

Laboratory			Field							
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Description
											11.25-inch **ASPHALTIC CONCRETE**
										GW	11.75-inch **BASE COURSE**
	20				14					ML	Brown **SANDY SILT** with gravel, hard, damp (fill)
	20									SM	Tan **SILTY SAND** with traces of gravel, medium dense, moist (fill)
					15					SP	Tan to light gray poorly graded **SAND,** medium dense, moist to wet (beach deposit)
							▽ 5				Boring terminated at 5 feet
							10				

Date Started:	December 5, 2006	Water Level: ▽ 4.9 ft. 12/5/06 1105 HRS	Plate
Date Completed:	December 5, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 8
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 6" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **29**

Laboratory			Field							
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS

Approximate Ground Surface Elevation : N/A

Description

Moisture Content (%)	Penetration Resistance (blows/foot)	Depth (feet)	USCS	Description
		0		9-inch **ASPHALTIC CONCRETE**
			GW	12-inch **BASE COURSE**
9	17		SP	Tan poorly graded **SAND,** medium dense, moist (beach deposit/fill)
29	16	▽		
		5	SM	Light gray **SILTY SAND,** medium dense, wet (shallow marine)
				Boring terminated at 5 feet
		10		

Date Started:	December 4, 2006	Water Level: ▽ 4.8 ft. 12/4/06 1310 HRS	Plate
Date Completed:	December 4, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 4" Auger	A - 9
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **30**

Approximate Ground Surface Elevation : N/A

Laboratory			Field							
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Description
											13-inch **ASPHALTIC CONCRETE**
										GW	7-inch **BASE COURSE**
					23					SP-SM	Tan poorly graded **SAND** with silt and gravel, medium dense, moist (fill)
					3						
						0.3				OH	Dark gray **ORGANIC CLAY,** soft, wet (swamp)
							5				Boring terminated at 5 feet
							10				

Date Started:	December 5, 2006	Water Level: ▽ 4.5 ft. 12/5/06 1025 HRS	Plate
Date Completed:	December 5, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	
Total Depth:	5 feet	Drilling Method: 4" Core Barrel & 6" Auger	A - 10
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **31**

Laboratory			Field							
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS

Approximate Ground Surface Elevation : N/A

Description	USCS	Depth (feet)	Sample	Graphic	Moisture Content (%)	Penetration Resistance (blows/foot)
11-inch **ASPHALTIC CONCRETE**						
8-inch **BASE COURSE**	GW					
Tan **SILTY SAND,** medium dense, moist (beach deposit/fill)	SM				18	20
					27	12
Light gray **SILTY SAND,** medium dense, wet (shallow marine)	SM	5				
Boring terminated at 5.5 feet		10				

Date Started:	December 4, 2006	Water Level: ▽ 5.1 ft. 12/4/06 1349 HRS	Plate
Date Completed:	December 4, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	A - 11
Total Depth:	5.5 feet	Drilling Method: 4" Core Barrel & 4" Auger	
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **32**

Laboratory			Field							
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS

Approximate Ground Surface Elevation : N/A

Description

Depth (feet)	USCS	Description
		8-inch **ASPHALTIC CONCRETE**
	GW	10-inch **BASE COURSE**
	SM	Tan **SILTY SAND** with gravel, medium dense, moist (fill)
		27
		4
		grades to loose, wet
5	ML	Light gray **SILT,** very soft, wet (lagoonal deposit)
		Boring terminated at 5.5 feet
10		

Date Started:	December 5, 2006	Water Level: ▽ 4.5 ft. 12/5/06 0945 HRS	Plate
Date Completed:	December 5, 2006		
Logged By:	S. Latronic	Drill Rig: CME-75	
Total Depth:	5.5 feet	Drilling Method: 4" Core Barrel & 6" Auger	A - 12
Work Order:	5101-70	Driving Energy: 140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

GEOLABS, INC.

Geotechnical Engineering

ALA MOANA BOULEVARD RESURFACING
PHASE 2
PIIKOI STREET TO KALAKAUA AVENUE
HONOLULU, OAHU, HAWAII

Log of Boring **33**

Laboratory			Field								
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	USCS	Description
											Approximate Ground Surface Elevation : N/A
											6.5-inch **ASPHALTIC CONCRETE**
										GW	12-inch **BASE COURSE**
	21				16					MH	Brown **CLAYEY SILT** with gravel, soft, moist (fill)
	10									SW	Tannish white **GRAVELLY SAND,** medium dense, moist (fill)
	35				4						
	43						▽			ML	Tan **SANDY SILT,** soft, wet (marine sand)
							5				
											Boring terminated at 5.5 feet
							10				

Date Started:	December 4, 2006	Water Level: ▽	4.7 ft. 12/4/06 1425 HRS	Plate
Date Completed:	December 4, 2006			
Logged By:	S. Latronic	Drill Rig:	CME-75	
Total Depth:	5.5 feet	Drilling Method:	4" Core Barrel & 4" Auger	A - 13
Work Order:	5101-70	Driving Energy:	140 lb. wt., 30 in. drop	

BORING LOG 5101-70.GPJ GEOLABS.GDT 1/25/07

February 9, 2010 PRE-BID MEETING MINUTES

Subject: Nimitz Highway and Ala Moana Boulevard Resurfacing and Highway Lighting Replacement
Fort Street to Kalakaua Avenue
Federal Aid Project No. NH-092-1(27)

Attendees: See attached lists of attendees

Open discussion to prospective bidders:

1. Prospective Bidders, Endo Electric, Inc. and Hawaiian Dredging Construction Co., had emailed a list of questions. Questions and answers are as follows.

    a. Bid Proposal Item No. 621.6003 on the Proposal Schedule page P-22 appears twice.
    The duplicated Item No. 621.6003 will be deleted. See Addendum 1 for clarification.

    b. Clarify what is covered by the dewatering force account item.
    The Dewatering force account item will be used only if the Contractor opts to follow the NGPC Dewatering requirements and discharge effluent into the waters of the U.S. (Ala Moana canal or existing drainage facility)

    If the Contractor decides not to discharge dewatering effluent into waters of the U.S., then the work will not be paid under the Dewatering force account item. It should be included in the 209 Lump Sum pay item or incidental to the various contract items. For example, the Contractor using the retrenching method of dewatering will not be paid under the force account item.

    c. Reducing the number of electrical proposal items was suggested.
    No reduction of electrical proposal items is allowed.

    d. Suggest increasing the number of working days to 1.5 to 2 years.
    The number of working days will be increased. See Addendum 1 for clarification

    e. Question on Plan Sheet No. 43 regarding Materials Note L.
    The amount should read 7.5 lbs./CY. See Addendum 1 for clarification.

    f. Question on Plan Sheet No. 56 regarding note 1 about the Modified Median Barrier payment under Item No. 676.1000 on the Proposal Schedule page P-35.
    Note 1 will be revised. See Addendum 1 for clarification.

    g. Question on the similarity of description of work for Bid Item No. 634.2000 and Bid Item No. 676.1000.
    Bid Item No. 634.200 will be deleted. See Addendum 1 for clarification.

    h. Does Bid Item No. 634.1000 cover all the sidewalk off the bridge?
    Yes

    i. Question on Plan Sheet No. 43 regarding Materials Note A.
    Materials Note A to be revised. See Addendum 1 for clarification

j. Question on the scale for plan sheet number 39 to 42.
Revised scale to 1"=10'. See Addendum 1 for clarification.

k. Can bidders have a copy of the soils boring/coring report.
It will be made as part of the attachment to the addendum.

l. Is there a percentage that the General Contractor need to self perform to qualify to bid?
Yes. See subsection 105.16 and general note No. 2 on Plan Sheet No. 3.

m. Will the contractor be allowed to close the adjacent traffic lane until the concrete is cured during the reconstruction of concrete gutters and PCC pavement.
Yes. The contractor could close lane in accordance with the allowable lane closure hours listed in Section 645. The newly constructed concrete curb/gutter would have to obtain design strength to allow vehicular traffic, especially bus traffic to run over the new gutter without damage.

n. Could the concrete driveways be poured in sections to accommodate continual use by the property owners?
Contractor should maintain access to all adjacent properties at all times. Contractor would have to pave the driveway a section at a time unless there are two driveways to the same property.

o. How clean does the fiber optic cable conduit have to be? Will pieces of existing concrete around the conduit be allowed?
Fiber optic cable conduits should be constructed using industry-accepted practices to accommodate fiber cable pulling and connection operations.

p. Can the State be more specific on the alignment of the fiber optic cable? Is it fairly straight or does it meander across the entire sidewalk?
Contractor is to verify field conditions and determine final conduit routing based on industry-accepted practices.

q. Question about the conflict of line items 202.0523 to 202.0525 with the call out of incidental works for those items on section 621-16a.
Delete line items 202.0523 to 202.0525. See Addendum 1 for clarification.

r. Question on Plan Sheet No. 61 regarding the possibility to replace callouts for stainless steel rebar and anchor bolts with galvanized anchor bolts and regular grade 60 steel rebar.
No.

s. Question on Plan Sheet No. 61 regarding the term "rick" on the base detail.
The term should be "rock."

t. Would it be possible to extend the bid date. **No**

u. Provide some information on the note 5 call out on Plan Sheet No. 181 for the installation of glass grid 8501. On the same note 5, bidder also asked if contractor needs to take care of boring holes for vibration and groundwater monitoring.
The Glass Grid 8501 is a grid with a pressure-adhesive backing. It is supplied by Geotech Solutions.

Contractor would be responsible for the vibration and water level monitoring. The vibration needs to be below a reasonable threshold such that it would not cause damage to adjacent structures. The threshold level for the water level is indicated in the plans. The vibration readings are only taken during the sheetpile driving and the removal. The water level monitoring is done on a daily basis when the dewatering is in progress.

2. Bidder questioned the nominal size aggregate for superpave mix not suitable for paving 1-1/2 inches on the bridge deck.
Pavement Mix for paving on the bridge will be revised. See Addendum 1 for clarification.

3. Bidder asked for clarification on the sign general notes on Plan Sheet No. 66 regarding the cleaning of existing signs and the adjusting and straightening of all existing signs.
Notes 8 and 9 under "Sign General Notes" on Plan Sheet No. 66 will be deleted. See Addendum 1 for clarification.

4. Bidder asked if liquidated damages be assigned if the September 2011 deadline is not met per section 645-6 of the specifications for work between Piikoi Street to Kalakaua Avenue along Ala Moana Boulevard. **No.**

5. Bidder asked why currently there are no pavement improvements on the mauka side of Ala Moana Boulevard between Piikoi Street to Atkinson Drive.
The pavement improvement for this section is done under City's sewer emergency project. See Note on Plan Sheet No. 27.

6. Bidder notified that there is existing concrete curb under the existing AC curb along the median.
Revise note on plan sheet number 27 for baseline station 40+45 ± to baseline station 56+80 ±, median. See Addendum 1 for clarification.

7. Bidder asked if the note stating the removal and re-striping of areas to be cold planed and paved as a result of electrical "shall be considered incidental to paving items." will create a conflict (e.g. the paving contractor includes a sub-tier price for striping from Contractor X, whereas the General Contractor plants to list Contractor Y for striping the rest of the project.)
No. All pavement restoration work as a result of undergrounding shall be considered incidental to electrical items. The section of roads to be resurfaced will not conflict with the undergrounding areas.

8. Bidder asked if the Beachwalk Wastewater Pump Station to Ala Moana Boulevard Sewer Force Main will interfere with our project.
No.

9. Bidder asked if State would consider using LED street light.
No.

10. Bidder asked about reconstructing the pavement of the right thru lane from Station 46+00 to Station 58+00 on the makai side of Ala Moana Blvd.
Revise Reconstruction of Weakened Pavement Areas. See Addendum 1 for Clarification.

11. Bidder asked about the staging area.
Bidders are reminded that Contractors are responsible for finding the staging areas.

12. Bidder asked if the fiber optic needs to be installed back if they encounter it during any reconstruction activity. **Yes**

13. Bidders are reminded that there will be no lane closure or shoulder/sidewalk work would be allowed within the Piikoi Street to Kalakaua Avenue from October 1, 2011 to November 30, 2011 as a result of Asia-Pacific Economic Cooperation (APEC) annual meeting that will be held in Honolulu during the month of November, 2011.
See Addendum 1 for clarification of the revised subsection 645.03 (6) (F) Lane Closure.

14. Bidders are reminded that the Contractor shall obtain approval of the archaeological monitoring plans from State Historic Preservation Office before commencing work.

15. Bidders are reminded that Contractor shall obtain a Right-of-Entry permit from the City before the installation of highway lighting poles on the rock wall.

HIGHWAYS DIVISION

PRE-BID MEETING ATTENDANCE

SUBJECT: Nimitz Highway And Ala Moana Boulevard
Resurfacing And Highway Lighting Replacement

PROJ. NO.: NH-092-1(27)

DATE, TIME & PLACE: February 9, 2010; 10:00 A.M.; HWY-DD Conference Room

NAME	OFFICE	TELEPHONE
Dean Takiguchi	HWY-DB	692 7614
Matt Frazer	PAR Electric	775-329-0407
RAY TAFT	PAR ELECTRIC	775-745-4300
Ruth Leay	21st century Lighting	531-5483
CREIGHTON CHANG	HDCC	479-0463
IVY ABALOSOS	HDCC	735 3319
Mark D. Inoshita	Royal Contracting Co.	839-9006 479-3155
Steve Sabai	Dan Ho & Assoc.	941-0577
Peter Nguyen	"	"
PETER CHAN	HWY-TD	692-7680
Ted Higa	Endo Electric	839-7717 Ext 13
Curtis Matsuda	HWY-DH	692-7561
JON NISHIHARA	HWY-DH	692-7564
Romeo Vea	Nan Inc.	842-4929
Jeramy Welch	Goodfellow Bros	489-1786
JORDAN BLEASDALE	FRANK COLUCCIO CONST.	682-4477
Casey Wood	Electrical Contractors Hawaii	621-4747

HIGHWAYS DIVISION

PRE-BID MEETING ATTENDANCE

SUBJECT: Nimitz Highway And Ala Moana Boulevard
Resurfacing And Highway Lighting Replacement

PROJ. NO.: NH-092-1(27)

DATE, TIME & PLACE: February 9, 2010; 10:00 A.M.; HWY-DD Conference Room

NAME	OFFICE	TELEPHONE
JASON CHUNG	Electrical Contractors Hawaii	621-4747
ERIC HANSON	Goodfellow Bros	676-7523
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JASON AMES	GRACE PACIFIC CORP.	842-3245
Julienne Fronda	HWY-DD	692-7681
Kwok Ng	HWY-DD	692-7583
Li Nah Okita	"	692-7581