

PUBLIC HEALTH, SAFETY & CONVENIENCE NOTES

1. The Contractor shall observe and comply with all Federal, State, and local laws required for the protection of public health, safety, and environmental quality.
2. The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the air pollution standards and regulations of the State Department of Health. The State may require supplementary measures as necessary.
3. The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities and shall take necessary precautions for the protection, convenience, and safety of the public.
4. The Contractor's attention is directed to chapter 46 public health regulations, Department of Health, State of Hawaii, "Community Noise Control for Oahu" in which maximum allowable noise levels have been set. If the construction activities for this project will exceed the allowable noise levels, the Contractor is required to obtain a permit from the Director of the Department of Public Health. The Contractor shall obtain a copy of Chapter 46 and become familiar with the noise level restrictions and the procedures for obtaining a permit for construction activities.

NPDES NOTES

1. The Contractor shall obtain and comply with the National Pollutant Discharge Elimination System (NPDES) requirements for Oahu District permit projects. This is available at the Oahu District office at 727 Kakoi Street (ph. 831-6793). Due to potential cost impacts, the Contractor needs to be aware of these requirements.
2. The Contractor shall complete and submit a Contractor's certification of NPDES compliance, including completion of the best management practice (BMP) checklist and submittal of a written BMP plan and drawings, prior to issuance of the permit to perform work upon State highways.
3. The Contractor shall develop, install and maintain the best management practices (BMPs) for the project.

CURB RAMP NOTES

1. All pullboxes shall be installed away from the curb ramp and within the sidewalk/unpaved area to the maximum extent feasible.
2. Where necessary, existing pullboxes, handholes, manholes, etc. shall be adjusted to match curb ramp grade. Adjustments shall not be paid for separately but shall be considered incidental to the various curb ramp items unless indicated otherwise.
3. The pedestrian push button shall meet operational and reach requirements of the American with Disabilities Act Accessibility Guidelines (ADAAG):
- a) Forward Reach. The maximum height for forward reach shall be 48".
 - b) Side Reach. The maximum height for side reach shall be 54".
 - c) Operation. Controls and operating mechanisms shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls shall be no greater than 5 lbf.
4. There shall be a 30"x48" level ground surface (2% max. cross slope, both directions) for a forward or side approach, as appropriate, to a pedestrian push button.

PROJECT AREA GROUPING NOTES

1. The Contractor shall construct the project by the geographical area groupings listed below and as shown in the location maps on Sheet 9.
2. The sequence of the geographical area construction shall be determined by the Contractor and approved by the State.
3. All construction shall be completed in one geographical area prior to beginning construction in a new geographical area unless otherwise approved by the State. The Contractor shall not work in multiple geographical areas concurrently without written authorization from the State. Failure to complete work in a geographical area prior to occupying or starting work on another geographical area will be subject to Section 108.09 "Rental Fee for Unauthorized Lane Closure or Occupancy".
4. The Contractor shall notify the State of the planned sequence of construction a minimum of two weeks prior to beginning work.

Geographical Area Grouping		
Area	Locations	Limits
A	Honolulu - Nimitz Highway	Elliot Street to Ahua Street
B	Honolulu - Nimitz Highway Honolulu - Nimitz Highway Honolulu - Pali Highway	Puuhale Street to Alakawa Street Halekauwila Street H-1 Off-ramp to School Street
C	Waianae - Farrington Highway	Makaha Valley Road to Lualualei Homestead Road
D	Waipahu - Farrington Highway	Fort Weaver Road On-ramp to Waipio Point Access Road
E	Kaimuki - Waiialae Avenue	21st Avenue to Kilauea Avenue
F	Kaneohe	Kahekili Highway to Anoi Road Likelike Highway to Kulukeoe Street

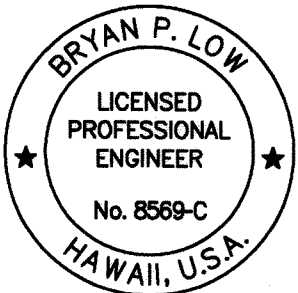
ABBREVIATIONS

A.C.	Asphalt Concrete	Max.	Maximum
BC	Bottom of Curb	Min.	Minimum
Blvd.	Boulevard	Mon.	Monument
CL	Center Line	No.	Number
CL.	Clear	O.C.	On Center
Conc.	Concrete	O.D.	Outside Diameter
CRM	Conc. Reinf. Masonry	O/S	Offset
Dept.	Department	Pav't	Pavement
Det.	Detail	PPB	Pedestrian Push Button
DOT	Department of Transportation	PT	Point of Tangency
		R	Radius
DTS	Department of Transportation Services	RCP	Reinforced Concrete Pipe
		Req'd	Required
E.W.	Each Way	Rt.	Right
Exist.	Existing	R/W	Right-of-Way
Ft.	Feet	Shldr.	Shoulder
Galv.	Galvanize	Sht.	Sheet
HECO	Hawaiian Electric Co.	Std.	Standard
HTCO	Hawaiian Telephone Co. (Hawaiian Telcom)	Thk.	Thick
		TMK	Tax Map Key
Hwy.	Highway	Typ.	Typical
Inv.	Invert	W.W.F.	Welded Wire Fabric
L.F.	Linear Feet		
Lt.	Left		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	CMAQ-0300(111)	2008	8	203

LEGEND

— t —	Existing Telephone Line
○ tp	Existing Telephone Pole
○ tmh	Existing Telephone Manhole
□ tpb	Existing Telephone Pullbox
--w-12-	Existing Water Line w/ Size
○ wmh	Existing Water Manhole
○ wv	Existing Water Valve Box
□ wm	Existing Water Meter
⊖ fh	Existing Fire Hydrant
● mon.	Existing Monument
○ dmh	Existing Storm Drain Manhole
□ di	Existing Drop Inlet
○ cb	Existing Catch Basin
○ smh	Existing Sewer Manhole
--s16--	Existing Sewer Line w/ Size
— x —	Existing Chain Link Fence
⊥	Existing Traffic Sign
○ sl	Existing Highway Light Standard
□ slb	Existing Street Light Box
ts	Existing Traffic Signal Standard
□ tsb	Existing Traffic Pullbox
--ts--	Existing Traffic Signal Ducts
□ ebox or ebl	Existing Electrical Box
□ util	Existing Utility Box



LICENSE EXPIRATION DATE 04/30/10
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12TH Avenue
Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Notes, Abbreviations,
and Legend

Traffic Signal Modernization
Various Locations - Oahu
Federal-Aid Project No. CMAQ-0300(111)

Date: July, 2008

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY - ENGR.	
No.	TRACED BY - JLL	
	QUANTITIES BY	
	CHECKED BY	

Plot Date: Jul 29 2008 Plot Time: 11:21 am
File: S:\Enr\DOT Oahu Various TSM draw 1902 g notes06.dwg