## GENERAL NOTES

- 1. The project includes the installation of CCTV cameras, poles, footings and associated power and communication infrastructure on the H-1 Freeway and Pearl Harbor Interchange on the Island of Oahu and includes connecting the system to existing City and State fiber optic lines to provide communication to the H-3 Control Center and City ♦ County of Honolulu Traffic Management Center.
- 2. Ground disturbance due to construction, including staging areas, shall be less than one (1) acre.
- 3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 -Contractor Duty Regarding Public Convenience; Subsection 107.11 - Safety: Accident Prevention; Subsection 107.12 -Protection of Persons and Property; Subsection 104.11 -Utilities and Services; and Section 645 -Traffic Control.
- 4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- 5. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- 6. The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
- 7. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HÍ 96819 (ph. #848-4571) seven (7) days prior to any paving operations.
- 8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 9. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to the various contract items.
- 10. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This shall be considered incidental to the various contract items.
- 11. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
- 12. Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- 13. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various
- 14. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

- 15. The contractor shall provide for access to and from all existing side streets at all times.
- 16. Contractor shall obtain a construction permit from the State's Highway District Engineer at 727 Kakoi Street, Honolulu, phone no. 831-6712, prior to commencement of work within State right-of-way.
- 17. The Contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, markers, cones and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii governing the use of traffic control devices at work sites on or adjacent to public streets and highways" adopted by the director of transportation, and the current U.S. Federal Highway Administration "Manual On Uniform Traffic Control Devices for Streets and Highways, 2003 Edition, Part 6 Temporary Traffic Control". If lane closures are required during construction, a traffic control plan shall be incorporated into the construction plans and must be approved by the division prior to the issuance of the permit.
- 18. Approval of State permit construction plans shall be valid for a period of one year thereof from the date of notification of approval to the applicant. In the event construction does not commence within this one-year period, the applicant will be required to submit his construction plans for division's review and approval.
- 19. The Contractor shall notify the Highway Lighting and Traffic Signal Supervisor, Department of Transportation (State) three (3) working days prior to commencing work in this area. See phone number under note No. 16.
- 20. Contractor shall inform the State Permit Office at least 2 days prior to closing any lanes. See phone numbers under note No. 16.
- 21. Minimum vertical and horizontal clearance between existing drainage facilities and other utilities shall be one foot and two feet, respectively.

## WATER POLLUTION AND EROSION CONTROL NOTES

- A. GENERAL:
- 1. See Section 209 Temporary Water Pollution and Erosion Control. Section 209 describes but is not limited to: submittal requirements; scheduling of a water pollution and erosion control conference with the Engineer; construction requirements; method of measurement; and basis of payment.
- 2. Effective October 1, 2008, follow the guidelines in the "Construction Best Management Practices Field Manual", dated January 2008 in developing, installing and maintaining the Best Management Practices (BMP) for the project.
- 3. Follow the guidelines in the Honolulu's City & County "Rules Relating to Soil Erosion Standards and Guidelines" along with applicable Soil Erosion Guidelines for projects on Maui, Molokai, Kauai, and Hawaii.
- 4. The Engineer may assess liquidated damages of up to \$27,500 for non-compliance of each BMP requirement and each requirement stated in Section 209, for every day of non-compliance. There is no maximum limit on the amount assessed per day.

- 5. The Engineer will deduct the cost from the progress payment for all citations received by the Department for non-compliance, or the Contractor shall reimburse the State for the full amount of the outstanding cost incurred by the
- 6. For projects that require an NPDES Permit from the Department of Health, install a rain gage prior to any field work including the installation of any site-specific best management practices. The rain gage shall have a tolerance of at least 0.05 inches of rainfall, and have an opening of at least one-inch in diameter. Install the rain gage on the project site in an area that will not deter rainfall from entering the gage opening. The rain gage installation shall be stable and plumbed. Do not begin field work until the rain gage is installed and site-specific best management practices are in-place.
- B. WASTE DISPOSAL:
- 1. Waste Materials Collect and store all waste materials in a securely lidded metal dumpster. The dumpster shall meet all local and State solid waste management regulations. Deposit all trash and construction debris from the site in the dumpster. Empty the dumpster a minimum of twice per week or as often as is deemed necessary. Do not bury construction waste materials onsite. The Contractor's supervisory personnel shall be instructed regarding the correct procedure for waste disposal. Post notices stating these practices in the office trailer and the Contractor shall be responsible for seeing
- 2. Hazardous Waste

that these procedures are followed.

Dispose all hazardous waste materials in the manner specified by local or State regulations and by the manufacturer. The Contractor's site personnel shall be instructed in these practices and shall be responsible for seeing that these practices are followed.

3. Sanitary Waste Collect all sanitary waste from the portable units a minimum of once per week, or as required.

## **ABBREVIATIONS**

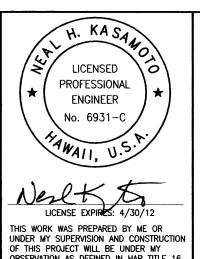
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ADUT	ADUTTIETT
Ø	Approximate
<b>\$</b>	And
@	At .
AC	Asphalt Concrete
B	Baseline
_ CATV	Cable Television
CB	Catch Basin
CCTV	Closed Circuit Television
Q	Centerline
ČLR <b>.</b>	Clear
CONC	Concrete
CONT	Continuation or Continuous
DET.	Detail
D <b>.</b> I.	Drain Inlet
D/L	Drain Line

**A**hutment

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-0300(127)	2011	3	60

	DMS	Dynamic Message Sign
	DMH	Drain Manhole
	DWY. OR D/W	Driveway
	EA	Each
	EHH	Electric Handhole
	ELEC.	Electric
	ELEV. OR EL	Elevation
	EXIST.	Existing
	EP	Edge of Pavement
	ETW	Edge Travel Way
	FH	Fire Hydrant
	FT	Feet
	GA	Guy Anchor
	GFE	Government Furnished Equipment
9	GV	Gate Valve
	<i>HELCO</i>	Hawaiian Electric Light CO.
	HECO	Hawaiian Electric CO.
	HT/HTCO	Hawaiian Telcom
	IRR	Irrigation
	LAT	Lateral
	LAT LP	Light Pole
	MH	Manhole
	MON	Monument
ed	MIN	Minimum
	NIC	
	PAV'T	Not In Contract
	_	Pavement
	<i>PL</i> .	Place
	<b>P</b> DD	Property Line
	PP DD	Power Pole
	RD.	Road Dight Of Way
	ROW	Right-Of-Way
	SDMH	Storm Drain Manhole
	SHT.	Sheet
	ST.	Street
	STA.	Station
	STD	Standard
	S/W	Sidewalk
	TBOX	Telephone Box
	TCP	Traffic Control Plan
	TMH	Telephone Manhole
	TRANS	Transfomer
	TYP.	Typical
	1113	1117171 F3 1



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION Construction Notes

And Abbreviations Freeway Management System, Phase 1C, Part 1B: Installation of CCTV and

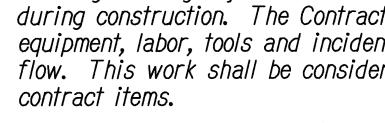
Utility Pole

Water Meter

Water Valve

Communication Infrastructure Federal Aid Project No. IM-0300(127) Date: 8/18/11

OF THIS PROJECT WILL BE UNDER WIT OBSERVATION AS DEFINED IN HAR TITLE 16, CHAPTER 115, RULES OF THE BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS. STATE OF HAWAII Scale: NTS SHEET No. T-3 OF 8 SHEETS



SUR DRA TRA TRA OUA QUA

LINE IS 2 INCHES AT FULL SIZE