

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-01-13	2015	2	10

GENERAL NOTES

1. This project is intended to modernize pedestrian heads under the State of Hawaii, Department of Transportation (DOT), Highways Division jurisdiction on the island of Oahu. Scope of this project includes: Retrofit or replacement of existing pedestrian heads with pedestrian countdown timers as scheduled herein.
2. Location, description, and quantity for pedestrian heads shown herein were researched from best available records and field surveyed between October 2007 to November 2007. Information reflected in the schedules of these plans are based on this survey.
3. The Contractor shall inform the Maui Engineering Program Manager, Ferdinand Cajigal (873-3538) at least three (3) weeks prior to closing any lanes or performing any trench restoration work. This work shall include any backfilling and compacting of trench material; placing and compacting of base course material; and any paving operations. Any trench restoration work performed by the Contractor that is not witnessed by State Representative will be required to be removed and restored with a State Representative present. All restoration work will be at the Contractor's expense.

This project is not intended to have the Contractor take over general traffic signal maintenance function of these agencies during the project duration. However, Contractor shall perform the work required by this project and as field directed by the Engineer that may be maintained in future.

Contractor shall coordinate its work and cooperate with this agency to minimize impact and disruption to their operations.

4. Proper operation of traffic signals 24 hours a day, 7 days a week, is vital to public safety and welfare. Traffic signal technology is recognized to be a specialized field that may be beyond the basic trade knowledge of a journeyman level electrician or contractor with the State of Hawaii Department of Consumer and Commerce Affairs C-13 contractor's license.

In the event that the Contractor fails to have the necessary expertise, equipment, or manpower to make prompt and proper repairs to damages caused by its operation; the State, at its own sole judgment, may proceed to perform the repair itself and recover the incurred costs from the Contractor through project billing back charge or other means.

CONSTRUCTION NOTES

1. The State of Hawaii, DOT, Highways Division, Hawaii Standard Specification for Road Bridge, and Public Works Construction, dated 2005 (also commonly referred to as the Standard Specification); and the Special Provision of this project are both separately bounded with these plans but are integral to this project's requirements.

The U.S. DOT Manual of Uniform Traffic Control Devices (MUTCD), 2003 edition or later, is also integrally crossed referenced by the project documents.

Unless otherwise shown, herein all work shall follow State of Hawaii DOT Highways Division, Standard Plans and its latest updates.

Contractor shall inform its field personnel and provide convenient access of these documents to them during work hours.

2. Contractor shall verify presence of existing utilities and obstacles that may conflict with the construction activities and coordinate with pertinent government entity or utility company for necessary temporary relocation. All costs associated with the temporary relocations and restoration shall be borne by the Contractor.
3. No material or equipment shall be stockpiled or otherwise stored within State highway right-of-way except at locations approved by the Engineer. This restriction also applies to Contractor employees' personal vehicles and temporary toilets.

Conditions of approval may require Contractor to barricade and/or cone off its material and equipment at its own costs in accordance with MUTCD. The Engineer reserves the right to rescind approval at any time with no extra cost to the State.

Due to relatively large amount of pedestrian heads and the widespread work areas for this project, Contractor shall schedule, receive and store shipments at its own facility to meet the construction schedule. Such facility shall protect the stored equipment from the weather and possible damages.

Payment for pedestrian countdown timer installation is scheduled for complete installation, i.e., furnishing materials, labor, equipment, tools and incidentals. Material-only payment for the timers will NOT be advanced or made.

4. Contractor shall request instruction from the Engineer and State's maintenance representative before construction, identify items and conditions defining what are to be salvaged.

Contractor shall follow such instructions to salvage all existing traffic signal bulbs and reusable traffic signal parts. Clean, sort, label, and bundle/palletize salvaged parts for convenient transport, storage, and reuse. Deliver salvaged materials to location(s) on Oahu to be designated by the Engineer. Remove and dispose all non-salvageable parts, debris, and trash.

Payment for such salvage and disposal work will be considered incidental and inclusive to other scheduled payment items.

5. Unless otherwise directed, existing utilities, structures, and features shall be protected at all times by the Contractor. The Contractor shall be held liable for any damages incurred from its operations. All damages shall be promptly repaired or replaced in accordance with the standards and specifications of the affected government entity or utility company at the Contractor's own expense.

Utilities most relevant to this project include power and telecommunication lines, traffic signal system, intersection-to-intersection interconnect system, street lighting, emergency vehicle preemption system, and fiber optic cable system.

6. Contractor shall not close lanes or slow traffic during morning (6:00 to 8:30 AM) and afternoon (3:00 to 6:00 PM) peak hours on normal weekdays unless otherwise approved by the Engineer.

This requirement does not preclude the State to restrict Contractor's lane closure at other times, e.g.; special events and public complaints, to fulfill the requirements to Standard Specification Section 107 - Legal Relations and Responsibility to the Public.

7. Contractor shall not risk harm to the public by working overhead of vehicular and pedestrian traffic without safety measures required by OSHA or best trade practice, whichever is more stringent.

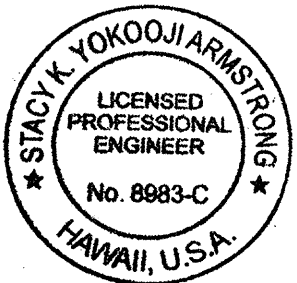
8. Most work of this project can be conventionally performed without disabling the entire traffic signal system of the intersection. To maximum extent possible, Contractor shall minimize disruption or disabling the traffic signal system.

If traffic signal system must be disabled due to overriding safety or public concerns and agreed in advance with the Engineer, Contractor shall notify and coordinate no less than one week in advance with Maui District Department of Transportation Services, Engineering Program Manager, for control cabinet access and traffic signal controller shutdown and power up. Contact: Ferdinand Cajigal @ 873-3538.

9. Contractor shall perform miscellaneous traffic signal work in accordance to best trade practice and accommodation to future maintenance. Such practice includes, but not limited to use of stainless steel hardware and thread grease.

10. Contractor shall remove existing pedestrian signal stickers on poles.

11. Any remaining pedestrian signal equipment not utilized for this project shall be delivered to the City & County of Honolulu Department of Transportation Services upon completion of the project.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Signature: [Signature] DATE: April 30, 2014

"OBSERVATION OF CONSTRUCTION" IS DEFINED IN CHAPTER 16-115, HAWAII ADMINISTRATIVE RULES ENTITLED "PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS".

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
NOTES - 1	
PEDESTRIAN COUNTDOWN TIMERS	
PHASE 2	
Proj. No. HWY-M-01-13	
Scale: N/A	Date: May 2013
SHEET No. C0.1 OF 10 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

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TRAFFIC CONTROL NOTES

- 1. Contractor shall implement temporary traffic control during work impacting vehicular and pedestrian traffic. Traffic control plans and devices shall comply with latest Manual of Uniform Traffic Control (MUTCD).
- 2. Bidders shall research, field verify, and satisfy oneself in understanding the general traffic condition and pattern of the work areas for this project.
- 3. Contractor shall hire special-duty police officer(s) at busy or challenging intersections. Busy intersection is defined for this purpose as any vehicle needing to wait more than one traffic signal phasing cycle to pass thru the intersection. Challenging intersection is described as having vehicles passing the intersection at a speed faster than 30 mph, road geometrics with limited sight distances, or other high driver-demand conditions. When in doubt during construction, Contractor shall seek clarification from the Engineer.

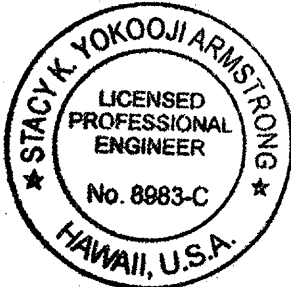
Traffic control by police officer(s) for the abovementioned conditions at the following minimum quantities shall be inclusive of the base contract amount and not considered as extra:

- A. One (1) police officer for intersections having up to twelve (12) incoming lanes from all approaches.
- B. Two (2) police officers for intersections with thirteen (13) or more incoming lanes from all approaches.

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES

- 1. The Contractor shall observe and comply with all federal, state and local laws required for the protection of public health and safety and environmental quality.
- 2. The Contractor at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the Air Pollution Standards and Regulation of the State Department of Health. The City shall 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 all necessary precautions for the protection, convenience, and safety of the public.

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



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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

NOTES - 2

PEDESTRIAN COUNTDOWN TIMERS

PHASE 2

Proj. No. HWY-M-01-13

Scale: N/A Date: May 2013

SHEET No. C0.2 OF 10 SHEETS