

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 50	173

- Only Traffic Control Plans for major construction activities are shown. The Contractor shall develop his own Traffic Control Plans in accordance with Section 645 of the Special Provisions for activities to complete work not covered by the Traffic Control Plans. The Contractor shall submit the Traffic Control Plans to the Engineer for acceptance. Payment for development and implementation of the Traffic Control Plans shall be included in pay item 645.1000 - Traffic Control.
- All lane closures and traffic pattern changes (detours) not shown on the plan shall be submitted to the Engineer for acceptance in accordance with Specifications Section 645 - Work Zone Traffic Control. For restrictions on lane closures, detours, construction work during peak hours, and other requirements regarding maintaining vehicular and pedestrian traffic, see Subsection 107.03 - Working Hours; Night Work and Section 645 - Work Zone Traffic Control.
- The Contractor shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
- Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.
- Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 645-1 - For Traffic Control Plan of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.
- All traffic lanes shall be a minimum of 10 feet wide.
- All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- The backs of all signs for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- Replace permanent pavement markings and traffic signs that are missing, damaged, or have been removed upon completion of each day's work. Payment for replacing permanent pavement markings and signs shall be considered incidental to the various contract items.
- At the end of each day's work or as soon as the work is completed, the Contractor shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
- The locations of pavement markings, signs, and delineators used in the Traffic Control shall be as shown on the plans, Contractor's accepted Traffic Control Plans, and/or as determined in the field by the Engineer.
- Damage to signs, pavement markers, and delineators caused by the public or Contractor's negligence shall be repaired or replaced by the Contractor at no cost to the State.
- Signs for night work shall be retroreflective and shall be mounted with a Type B high intensity flasher. The flasher will be paid under Pay Item No. 645.1000-Traffic Control.
- The Contractor shall provide all sign supports, barrier mounting brackets, and/or posts for construction warning signs.

- The Contractor shall provide and maintain three (3) portable message boards to provide advanced warning of the lane closures. The message boards' location to be determined by the Engineer for each construction phase. Message boards shall display closure dates and times and shall be operational 24 hours a day for three (3) days prior to the first lane closure. Signs shall remain for the duration of the project. The Contractor shall provide appropriate traffic control devices (barricades, cones, etc.) to protect the message boards. Installation, maintenance, and removal of message boards shall be paid under Pay Item No. 645.1000 - Traffic Control.
- The Contractor shall furnish, install, maintain, and remove all traffic control devices shown on the traffic control plans. Payment for all work shown, including furnishing all police officers shown on the traffic control plans, shall be under Pay Item No. 645.1000 - Traffic Control.
- The Contractor shall maintain a buffer lane as shown on the traffic control typical sections.
- The Contractor shall sequence the work to allow access to the driveways and side streets. The Contractor shall provide all traffic control devices, including police officers, necessary to maintain driveway and side street access. In the case where a landowner has multiple vehicle access points that are internally connected, one access point may be temporarily shut down with two week notice to the landowner/lessee. The Contractor shall submit the Traffic Control Plans to the Engineer for acceptance. Payment for development and implementation of the Traffic Control Plans shall be included in pay item 645.1000 - Traffic Control.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN (WITHIN CITY R/W)

- The Permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- Traffic control devices shall be installed such that the sign or device farthest from the work area is placed first. The others shall then be placed progressively toward the work area.
- Regulatory and Warning Signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered.
- Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
- When required by the issuing office, the Permittee shall install a flashing arrow signal as shown on the traffic control plans.
- All traffic lanes shall be a minimum of 10 feet wide.
- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.

Approved:

Chief, Traffic-Review Branch, DPP
(for Work within City R/W only)

- The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- Lane closure shall be limited only to the extent of accomplishing each day's work. As soon as each day's work is completed, the Permittee shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation. Existing faded or obliterated pavement markings that are necessary for safe traffic flow in the construction area shall be replaced with temporary or permanent markings before opening the roadway to public traffic each day.
- Permanent pavement markings and traffic signs shall be replaced upon completion of each phase of work.
- Cones and delineators shall be spaced at a maximum distance of 20 feet apart. A minimum of six channelizing devices shall be used for each taper length.
- Driveways shall be kept open unless the owners of the property using the driveway are otherwise provided for satisfactorily. Further, the Permittee shall control traffic going into and out of driveways.
- Buffer and taper area on approach to any work area shall be kept clear of vehicles and equipment.
- A high level warning device (flag tree) shall be installed on approach to all work areas.
- "No Parking" signs shall be posted within any work area and for the buffer and taper areas approaching the work area.
- Traffic control plans are approved for work on any City street only for the days and hours shown on the Construction Phasing Schedule on sheet TC-2.

Legend:

Work Area

Traffic Cones

Sign

Direction of Traffic

Flashing Arrow Signal

I

Type II Barricade with Steady Burn Amber Lamps

II

Type III Barricade with Flashing Warning Light

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Police Officer and Vehicle with Visible Blue Light

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Flagman

7/2/14	Added TRB Approval
Date	Revision

PAMELA K. UYEDA

LICENSED PROFESSIONAL ENGINEER

No. 10352-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TRAFFIC CONTROL NOTES

MIDDLE STREET PAVEMENT RECONSTRUCTION

North King Street to Kamehameha Highway

FAP NO. STP-7415(001)

Scale: None

Date: June 20, 2014

SHEET No. TC-1 OF 58 SHEETS

ADD. 50

Phase	Allowable Lane Closures During Working Hours	Allowable Working Hours	Allowable Lane Closures During Non-Working Hours*	Pavement Work Items
1A	Northbound lanes at Kamehameha Hwy Intersection	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	None	JPCP Panels
1B	Southbound lanes at Kamehameha Hwy Intersection	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	None	JPCP Panels
2A	Northbound lanes at North King Street Intersection	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	None	JPCP Panels
2B	Southbound lanes at North King Street Intersection	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	None	JPCP Panels
3**	Transit Center Intersection (See Phase 4)	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	None	PCCP Panels
4A	Northbound Lanes 1 and 2 and Auxiliary Lane	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	Northbound Lane 2 and Auxiliary Lane	PCCP, Concrete Swale
4B	Northbound Lanes 1 and 2 and Median/Turn Lane	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	Northbound Lane 1	PCCP
4C	Southbound Lanes 1 and 2	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	Southbound Lane 2	PCCP
4D	Southbound Lanes 1 and 2 and Median/Turn Lane	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	Southbound Lane 1	PCCP
4E	Median/Turn Lane and Northbound Lane 1 and Southbound Lane 1	Mon-Fri 8:00 pm to 12:00 midnight Tu-Sat 12:00 midnight to 4:00 am	Median/Turn Lane	PCCP

Diagram illustrating a four-lane highway cross-section with a median, showing lane directions and labels:

- Top Section (Southbound):**
 - Leftmost lane: *To Kamehameha Hwy* (Left Turn)
 - Second lane from left: *Shared Use Path*
 - Third lane from left: *Lane 2* (Through/Right Turn)
 - Rightmost lane: *Lane 1* (Through/Right Turn)
- Center Section:**
 - Median/Turn Lane*
- Bottom Section (Northbound):**
 - Leftmost lane: *Lane 1* (Through/Right Turn)
 - Second lane from left: *Lane 2* (Through/Right Turn)
 - Third lane from left: *Auxiliary Lane* (where present)*
 - Rightmost lane: *Sidewalk*
- Bottom Labels:**
 - Northbound* (under the left lanes)
 - To North King Street* (under the right lanes)


**Non-working hour lane closures will be allowed 24 hours a day for the duration of the particular phase being implemented.*

***Use appropriate Phase 4 Traffic Control Plan for Phase 3 work.*

1. *Work not listed in the Construction Phasing Schedule shall be requested in writing to be performed in one of the phases. The Contractor shall obtain the Engineer's acceptance to conduct such work under a particular phase.*
2. *Sequence of phasing can be re-ordered as determined by the Contractor and accepted by the Engineer.*

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	" _____
	TRACED BY _____	" _____
NOTE BOOK	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
	CHECKED BY _____	" _____
N _{o.} _____		

TT:/16543A Middle_St/CADD/SHEETS/Phasing.dgn

 <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>P. Uyeda</i> SIGNATURE</p> <p>04/30/16 EXPIRATION DATE OF THE LICENSE</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><u>CONSTRUCTION</u> <u>PHASING PLAN</u></p> <p><u>MIDDLE STREET PAVEMENT RECONSTRUCTION</u> <u>North King Street to Kamehameha Highway</u> <u>FAP NO. STP-7415(001)</u></p> <p>Scale: None Date: June 20, 2014</p>
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