

## STANDARD TRAFFIC NOTES (2020)

1. All traffic signs and pavement markings shall conform to the latest amended editions of the “MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES”, applicable sections of Part 5 of the “STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION”, dated September, 1984, and the “2005 HAWAI‘I STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION”, unless otherwise indicated on the plans, specifications, or STANDARD TRAFFIC NOTES.

2. The Contractor shall install permanent or temporary pavement markers, striping and markings as required by Section(s) 629 and 755.05 of the “2005 HAWAI‘I STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION”, and as amended. To ensure proper lane widths and the safe flow of traffic, temporary striping shall be installed as closely as possible to the final striping plan, but not in a manner that would obstruct permanent striping layout operations.

The Contractor shall provide and install all traffic signs and markings for all project-related temporary traffic control plans. The Contractor shall coordinate and hire special duty police officer(s) as needed to provide traffic control while working within the County right of way.

3. The Contractor shall inform the Traffic Division at least six (6) working days prior to any work on pavement markings operations and/or sign installations to schedule a review and approval of the striping layout and/or signing plans.

4. The approved striping plan shall be laid out using marking paint or other approved methods. Field adjustments shall be made as directed by the Inspector before the final markings are applied.

5. All pavement markings that become inapplicable shall be removed by the Contractor at his own expense. Removal shall be by eradication or by other methods approved by the Inspector before the new pavement markings are applied. Excessive gouging of the pavement shall be repaired at the Contractor’s expense.

6. All pavement striping shall be with alkyd based reflective Thermoplastic Compound Pavement Marking as specified in Section(s) 629 and 755.05 of the HAWAI‘I STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2005 EDITION, and as amended, on all roadways. The Contractor shall submit Certificate of Compliance certifying that the thermoplastic materials to be used meet the current AASHTO M-247 (for glass beads) and AASHTO M-249 (for striping) specifications.

For crosswalks and stop lines, the contractor shall apply high skid-resistant white corundum or approved equal.

7. On concrete pavements, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer.

8. Heat applied pre-formed thermoplastic pavement marking tape with visible temperature indicators, or an equal pavement marking tape that is approved by the Traffic Division shall be used for all bike lane symbols and legends per Traffic Standard Detail TR-18, and may be used for crosswalks, stop lines, pavement arrows, alphabets, and symbols in lieu of Thermoplastic Compound.

Heat applied pre-formed thermoplastic pavement marking tape for bike lane symbols and legends per Traffic Standard Detail TR-18, crosswalks and stop lines shall be made of a durable, high skid-resistant material.

9. Reflectorized raised pavement markers (RPMs) shall be regular sized markers with approximate dimensions of 4"x4"x0.7". The Contractor shall submit Certificate of Compliance certifying that the RPMs to be used meet or exceed the current State of Hawai'i, Department of Transportation specifications.

10. All traffic signs and posts shall meet the requirements of the County of Hawai'i Standard Detail TR-1 EXCEPT THAT FLANGED CHANNEL POSTS AND OCTAGONAL POSTS WILL NOT BE ACCEPTABLE. Signs shall be on aluminum sheeting of 0.080-inch minimum thickness. Sign posts shall be 2" square telespar tubing No. 20 F 12 or equivalent with 2 1/4" square telespar anchor post.

For all County dedicated streets, the contractor shall place a Traffic Division maintenance sticker on the back of each single-sided sign. Stickers are to be acquired at the Traffic Division.

11. All traffic signs shall be High Intensity Retroreflective Sheeting, with Type IV for regulatory, warning, and directional signs and Type IX (fluorescent yellow green sheeting) for pedestrian, school, and bicycle crossing signs.

12. The 2 1/4" square anchor post for signs shall be driven into the ground, a.c. pavement or concrete sidewalk in accordance with the plans. All damages to the surrounding area shall be repaired to its original condition or better. Before driving into concrete, a neat hole of approximately 3 inch diameter shall be drilled through the concrete prior to the installation of the anchor post. If driving into the concrete or a.c. pavement is not possible without damage to the surrounding concrete or a.c. pavement, a 12" by 12" square shall be saw-cut and removed prior to the installation of the anchor post and then patched, with hot mix to match the existing a.c. pavement, or concrete to match the existing concrete sidewalk.

13. Upon completion of all construction work, including, but not limited to the final paving of the entire project area and off-site construction, the contractor shall restripe all pavement markings within and in the vicinity of the construction area as approved by the Traffic Division and in accordance with item 6 of the current Standard Traffic Notes. The contractor shall maintain all temporary pavement markings, permanent pavement markings, and all traffic signs and posts until the project is accepted by the County of Hawai'i.

All traffic signs and posts within and in the vicinity of the construction area that have been damaged, removed, or adversely affected by the construction work shall be replaced by the contractor according to item(s) 10, 11, and 12 of the current standard traffic notes at no cost to the county.

14. All dedicated streets must have street names which have been approved by resolution before acceptance of the street by the County of Hawai'i.

Unless otherwise approved by the Traffic Division, all street name signs shall have an uppercase first letter/lower case format and the proper Hawaiian spelling for the street names as approved by the County of Hawai'i Planning Department.

Prior to street name sign fabrication, street name sign submittals shall be reviewed and approved by the Traffic Division.

15. Install "PRIVATE ROAD" sign(s) on all private road(s). Sign shall be on 18" wide by 12" high aluminum plate with 4" black lettering on white reflectorized sheeting with border.

16. All signs and markings for private roadways shall be maintained by the private owners.