

Policy for the Safe Installation and Removal of Automatic Vehicle Traffic Counters

The task of installing and removing automatic vehicle traffic counters requires employees to operate in, or in close proximity to, roadways. This activity necessitates the interaction of employees with vehicular traffic moving at various posted speed limits. The interaction with moving traffic creates a potentially high-risk situation for both employees and motorists. The following policies, therefore, are intended to minimize risks and help prevent damage or injury to employees and motorists. It should be noted that any traffic related equipment and signage must be MUTCD (Manual of Uniform Traffic Control Devices – 2009 Edition) compliant.

1. Staffing

At least two employees must be present during the installation and removal of automatic vehicle traffic counters.

2. Personnel Protective Equipment

All employees involved with the installation or removal of vehicle traffic counters must wear proper personnel protective equipment (PPE) including:

- A. Traffic Vests—High Vis. /Breakaway style-ANSI Class 2 minimum (Meets ANSI/ISEA 107). Example of approved vest illustrated in F-1:



F-1

B. Hard Hat w/adjustable ratchet suspension. Example in F-2:



F-2

C. Sturdy Closed Toed Shoes (preferably lace-ups) – No Flip Flops or Sandals



F-3

3. Traffic Cones – MUTCD Approved / Min. 28" Tall with 6" over 4" dual reflective bands must be deployed as shown in Section 5A or B. Example of approved cones illustrated in F-4. MUTCD Approved collapsible versions are also acceptable.



F-4

4. Roadside Signage – MUTCD Approved, must be installed as shown in Section 5A or B. Example of approved signage illustrated in F-5.



F-5

5. A First Aid Kit must be maintained at the work site at all times. An example of an appropriate First Aid kit illustrated in F-6.



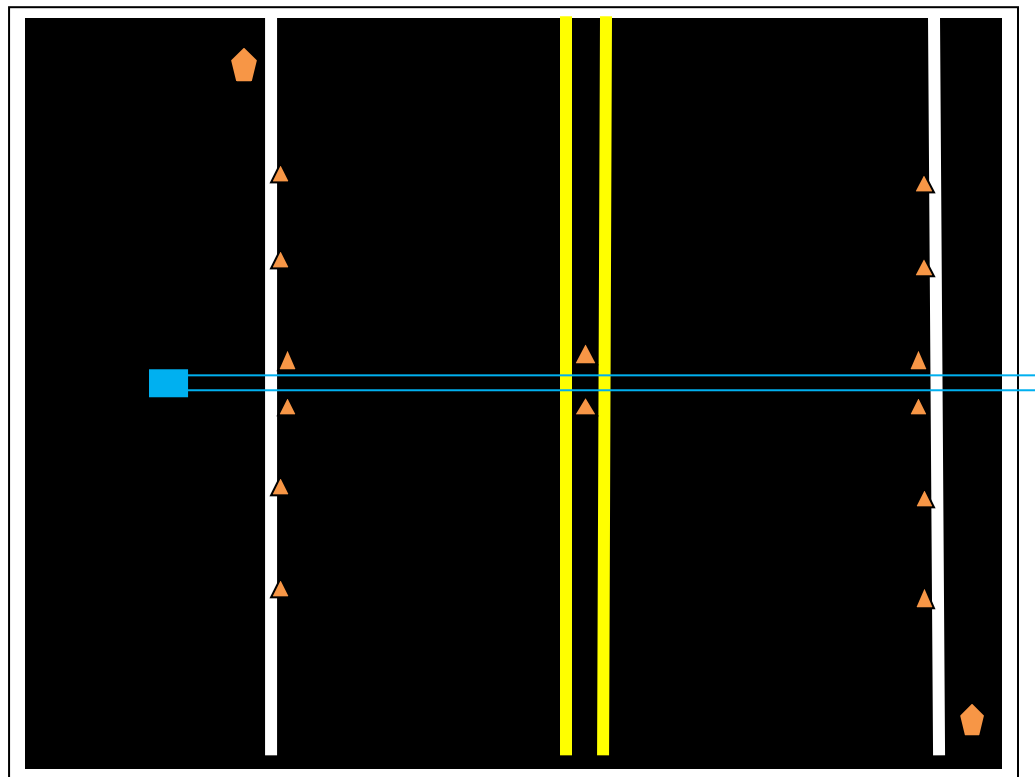
F-6

6. Automatic vehicle traffic counters must be installed and removed on the days and times indicated below:
- A. On roadways with posted speeds less than 50mph and Average Daily Traffic (ADT) counts less than 20,000, traffic counters are generally to be installed and removed on Mondays between 8:00AM and 2:00PM.
 - B. On roadways with an ADT of 20,000 or greater with posted speeds below 50mph, automatic vehicle traffic counters are to be installed and removed on Mondays between 9:00AM and 12:00PM or Sundays between 7:00AM and 2:00PM.
 - C. On roadways with posted speeds of 50mph or greater with ADT of 20,000 or greater, vehicle traffic counters are to be installed and removed only on Sundays between 7:00AM and 2:00PM.

Note: Where circumstances and conditions warrant, the Executive Director may waive or authorize a deviation from the requirements of 6 A through C , above, if in his or her opinion, NRPC employee and public safety can otherwise be maintained.

7. Strategic placement of signage to “Alert / Warn” motorists of what to expect. The distance for sign placement from the “traffic counter installation site” will vary depending on the posted speed limit. The MUTCD manual describes in detail, the proper spacing distance of warning signs based on speed limits.

A. Alternative I: A typical two (2) lane roadway is illustrated below. It should be noted that all equipment and sign placement is not to scale. The MUTCD (2009 Edition) manual is the primary reference to determine proper sign placement and distance based on posted speed limits.



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Legend: Traffic Cones – ▲
Warning Signs – ⬠
Traffic Counter – ■
Traffic Counter Tubing – —

B. Alternative II: Staff deploys the “Workers in Road” sign behind the NRPC work vehicle to warn approaching traffic. Staff deploys 3 cones behind the NRPC van and 3 cones in front.

**Acknowledgement of Receipt of
Nashua Regional Planning Commission
Policy for the Safe Installation and Removal of
Automatic Vehicle Traffic Counters**

This will acknowledge that I have received a copy of the Nashua Regional Planning Commission's Policy for the Safe Installation and Removal of Automatic Vehicle Traffic Counters. I acknowledge my obligation to acquaint myself with the provisions of this Policy and any future amendments thereto. I further acknowledge that I have read, understand, and will comply with, the provisions of this policy.

Signature

Printed Name

Date

Adopted: March 21, 2018