THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

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COMMISSIONER

JEFF BRILLHART, P.E.
ASSISTANT COMMISSIONER

To: Certified Local Public Agency (LPA) Sponsors and Certified LPA Consultants

From: Nancy Mayville, NHDOT Bureau of Planning and Community Assistance

Re: LPA Notice #2014-1 Work Zone Crash Reporting

Date: April 2014

The NHDOT and Federal Highway Administration (FHWA) are requiring all LPA project sponsors and/or their consultants to complete a Work Zone Crash Report (WZCR) if a crash should occur in your LPA project work zone that has been established to protect the travelling public and/or construction workers. This would include crashes during non-work hours. Please find enclosed a blank copy of NHDOT's Work Zone Crash Report.

If a crash should occur in your LPA project work zone, the WZCR shall be filled out and returned to the NHDOT project manager for your project. A completed hard copy version or a scanned electronic version will be acceptable. The NHDOT project manager will distribute the WZCR within NHDOT, as well as to FHWA. Instructions for filling out the WZCR can be found at the end of the "Work Zone Safety and Mobility Policy Guidelines" located at NHDOT web link: http://www.nh.gov/dot/business/engineers.htm

If you have questions when filling out the WZCR, please contact Michelle Marshall (603-271-1407) or Sally Gunn (603-271-1581) or the NHDOT project manager for your project. A previously completed WZCR describing a previous crash is also attached as a reference. In the future, the WZCR will be made available in an electronic database format. You will be notified when the electronic format is available (estimated to be summer 2014).

Thank you in advance for your cooperation in this matter.

History:

On September 9, 2004, the FHWA published the Work Zone Safety and Mobility Rule (the Rule) in the Federal Register (69 FR 54562). The Rule requires implementation of a quantitative approach that measures work zone impacts anticipated during design in comparison with work zone impacts experienced during construction. The measurement and comparison of these impacts will provide practical information that will be used to adjust future work zone policies and procedures. The Rule applies to all state and local governments that receive federal-aid highway funding. Transportation agencies are required to comply with the provisions of the Rule. In an effort to comply with the intent of the Rule, the NHDOT evaluates work zone crashes to identify the causes and assess work zone components. This information is used to identify and develop improved methods and work zone layouts and ultimately improve the safety of construction workers and the travelling public.

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

WORK ZONE TRAFFIC CRASH REPORT

(Reports are to be submitted to supervisor within 48 hours of crash)

1. Town or City:

2. Project Name:

3. Project Number:

4. Bureau: ☐ Bridge Maintenance ☐ Bridge Design ☐ Survey/Design ☐ Materials & Research ☐ Construction ☐ Traffic ☐ Highway Maintenance ☐ Turnpikes ☐ LPA

5. District/Shed/Contractor:

6. Crash Date:

7. Crash Time: _____ ☐ AM ☐ PM ☐ unknown

8. Number of Vehicles Involved:

9. Number of Persons Injured and Fatalities:

	GENERAL PUBLIC			PROJECT PERSONNEL	
	In Motor Vehicles	Motorcycles Bicyclists	Pedestrians	Operating Equipment	Pedestrians
Injured					
Fatalities					

10. Location of Crash:

OCCURRED ON	DISTANCE AND DIRECTION FROM	INTERSECTING ROAD OR FEATURE
_____ Route No./Street	_____ Distance from (ft.) ☐ north ☐ south ☐ east ☐ west ☐ at intersection	_____ Route No./Street/Feature

11. Type of Crash or Collision with (first harmful event):

☐ frontal/side ☐ rollover ☐ flagger/officer
☐ sideswipe ☐ bicyclist ☐ construction vehicle/equipment
☐ rear end ☐ worker ☐ went over a drop off
☐ head on ☐ pedestrian ☐ fixed object (check box below)
☐ OTHER: _____

Fixed Object:

☐ sign post ☐ channelizing devices ☐ retaining wall
☐ guardrail ☐ changeable message sign ☐ abutment/pier
☐ water ☐ temporary concrete barrier ☐ arrowboard
☐ tree ☐ construction equipment ☐ ledge outcrop
☐ boulder ☐ telephone pole ☐ impact attenuator
☐ light post ☐ construction material stockpile
☐ OTHER: _____

12. Roadway Design: ☐ two way traffic ☐ interstate/divided ☐ one way/ramp ☐ OTHER: _____

13. Road Alignment: ☐ straight and level ☐ intersection ☐ curve and level ☐ straight and on a grade ☐ curve at a hillcrest ☐ straight at a hillcrest

14. Roadway Surface Type:

Travel In.: ☐ asphalt ☐ concrete ☐ grooved pavement ☐ unpaved
Shoulders: ☐ asphalt ☐ concrete ☐ grooved pavement ☐ unpaved

15. Roadway Condition: ☐ normal ☐ rough ☐ wheel ruts ☐ potholes ☐ pavement edge drop offs

16. Surface Conditions: ☐ dry ☐ wet ☐ ice/snow ☐ unknown

17. Light Conditions: ☐ daytime ☐ nighttime ☐ nighttime illuminated ☐ dawn/dusk ☐ unknown

18. Weather Conditions: ☐ clear ☐ cloudy ☐ fog ☐ rain ☐ snow ☐ hail ☐ sleet ☐ freezing rain ☐ high winds ☐ unknown

19. Traffic Vol. : ☐ low ☐ moderate ☐ heavy

20. Posted Speed Limit: _____ mph

21. Traffic Control Package: ☐ in use ☐ not in use

Package Designation:

MUTCD	NHWZTC	OTHER
TA- _____	TC- _____	_____

Condition of devices: ☐ good ☐ fair ☐ poor

Modifications or comments about the package: _____

22. Pavement Markings:

Left TW	Centerline	Right TW
☐ none	☐ none	☐ none
☐ RPM	☐ RPM	☐ RPM
☐ paint	☐ paint	☐ paint
☐ tape	☐ tape	☐ tape

23. Lane Width (feet):

Lanes: ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 12+ ☐ tapered ☐ unknown
Shdrs.: ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 10 ☐ tapered ☐ unknown

24. Changeable Message Signs: ☐ none ☐ in place and operating ☐ in place and not operating

MESSAGE

phase 1: _____
phase 2: _____
*phase 3: _____

** FYI - per the MUTCD, message shall consist of only one or two phases*

25. Flaggers: ☐ in use ☐ not in use

26. Uniformed Officers : ☐ with vehicle ☐ without vehicle ☐ not used

27. At the time of the crash was there Work Zone related activity? ☐ yes ☐ no

28. Police Report:

Was a report generated? ☐ yes ☐ no ☐ unknown
Town/City/State Troop No. : _____
Officer Name: _____
Report Number: _____

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29. Sketch Required

30. Additional Documentation

☐ daily report ☐ police report ☐ photos ☐ videos ☐ digital photos

**if possible date stamp photos or videos*

31. Crash Description and any Additional Comments:

32. Report generated by:

Signature	*Name (print)*	*Date:*
Signature of Supervisor	*Name (print)*	*Date:*

** Submit this report to supervisor within 48 hours of the crash.*

Distribution: Planning & Community Assistance Traffic TMC FHWA Bill Oldenburg Original to Construction

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CRASH REPORT

FILE COPY

(Reports are to be submitted to supervisor within 48 hours of crash)

1. Town or City:

2. Project Name: *Salem-Manchester*

3. Project Number: 14633-F

4. Bureau: ☐ Bridge Maintenance ☐ Bridge Design ☐ Survey/Design ☐ Materials & Research ☑ Construction ☐ Traffic ☐ Highway Maintenance ☐ Turnpikes

5. District/Shed/Contractor:

6. Crash Date: *March 2*

7. Crash Time: *12:16* ☐ AM ☑ PM ☐ unknown

8. Number of Vehicles Involved: 2

9. Number of Persons Injured and Fatalities:

	GENERAL PUBLIC			PROJECT PERSONNEL	
	In Motor Vehicles	Motorcycles Bicyclists	Pedestrians	Operating Equipment	Pedestrians
Injured	1				
Fatalities	None				

10. Location of Crash:

OCCURRED ON	DISTANCE AND DIRECTION FROM	INTERSECTING ROAD OR FEATURE
I-93 NB (Route No./Street)	Distance from (ft.) ☐ north ☐ south ☐ east ☐ west ☐ at intersection	At Mile Marker 14.8 (Route No./Street/Feature)

11. Type of Crash or Collision with (first harmful event):

☐ frontal/side ☑ rollover ☐ flagger/officer
☐ sideswipe ☐ bicyclist ☐ construction vehicle/equipment
☑ rear end ☐ worker ☐ went over a drop off
☐ head on ☐ pedestrian ☐ fixed object (check box below)
☐ OTHER:

Fixed Object:

☐ sign post ☐ channelizing devices ☐ retaining wall
☐ guardrail ☐ changeable message sign ☐ abutment/pier
☐ water ☐ temporary concrete barrier ☐ arrowboard
☐ tree ☐ construction equipment ☐ ledge outcrop
☐ boulder ☐ telephone pole ☐ impact attenuator
☐ light post ☐ construction material stockpile
☐ OTHER:

12. Roadway Design: ☐ two way traffic ☑ interstate/divided ☐ one way/ramp ☐ OTHER:

13. Road Alignment: ☑ straight and level ☐ intersection ☐ curve and level ☐ straight and on a grade ☐ curve at a hillcrest ☐ straight at a hillcrest

14. Roadway Surface Type:

Travel ln.: ☑ asphalt ☐ concrete ☐ grooved pavement ☐ unpaved
Shoulders: ☑ asphalt ☐ concrete ☐ grooved pavement ☐ unpaved

15. Roadway Condition: ☑ normal ☐ rough ☐ wheel ruts ☐ potholes ☐ pavement edge drop offs

16. Surface Conditions: ☑ dry ☐ wet ☐ ice/snow ☐ unknown

17. Light Conditions: ☑ daytime ☐ nighttime ☐ nighttime illuminated ☐ dawn/dusk ☐ unknown

18. Weather Conditions: ☑ clear ☐ cloudy ☐ fog ☐ rain ☐ snow ☐ hail ☐ sleet ☐ freezing rain ☑ high winds ☐ unknown

19. Traffic Vol. : ☐ low ☑ moderate ☐ heavy

20. Posted Speed Limit: *65* mph

21. Traffic Control Package: ☐ in use ☑ not in use

Package Designation:

MUTCD	NHWZTC	OTHER
TA-	TC-	

Condition of devices: ☐ good ☐ fair ☐ poor

Modifications or comments about the package:

**Permanent construction zone signs in place.*

22. Pavement Markings:

Left TW	Centerline	Right TW
☐ none	☐ none	☐ none
☐ RPM	☐ RPM	☐ RPM
☑ paint	☑ paint	☑ paint
☐ tape	☐ tape	☐ tape

23. Lane Width (feet):

Lanes: ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☑ 12 ☐ 12+ ☐ tapered ☐ unknown
Shdrs.: ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☑ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ tapered ☐ unknown

24. Changeable Message Signs:

☐ none ☑ in place and operating ☐ in place and not operating

MESSAGE

phase 1: BLASTING TODAY 10 TO 2
phase 2: AT EXIT 5
*phase 3:

** FYI - per the MUTCD, message shall consist of only one or two phases*

25. Flaggers: ☑ in use ☐ not in use

26. Uniformed Officers : 1

☐ with vehicle ☑ without vehicle ☐ not used

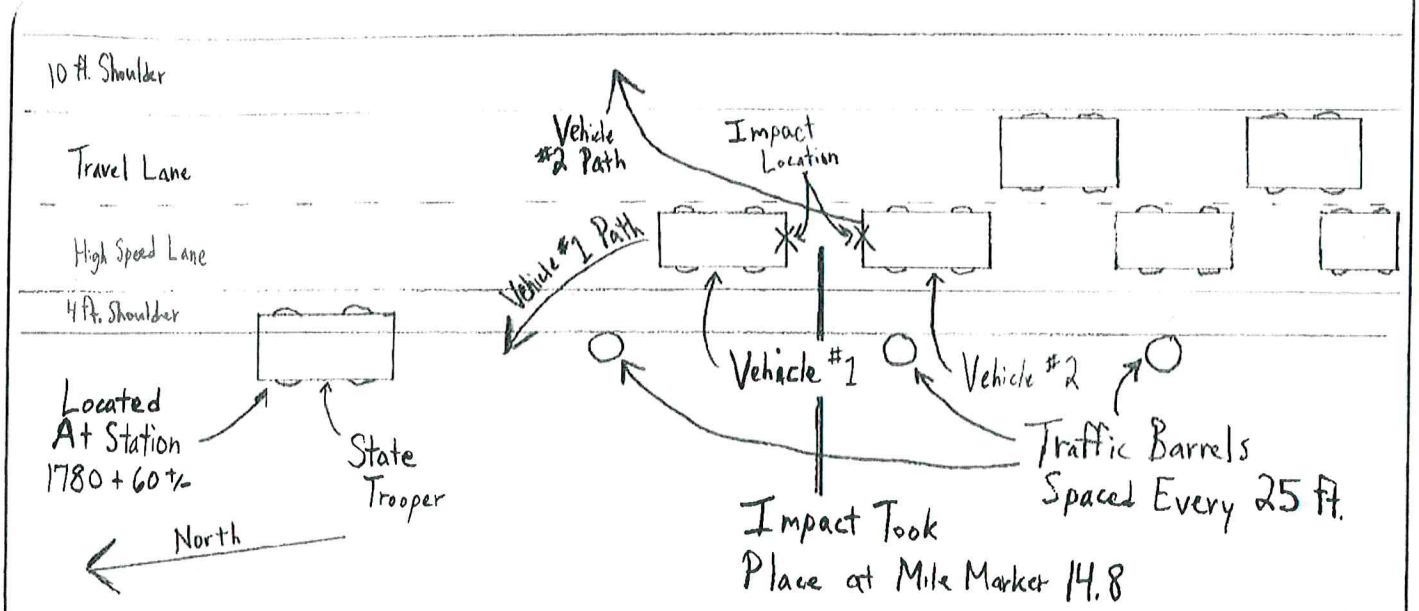
27. At the time of the crash was there Work Zone related activity? ☑ yes ☐ no

28. Police Report:

Was a report generated? ☑ yes ☐ no ☐ unknown
Town/City/State Troop No. : *State Trooper*
Officer Name: *Unknown*
Report Number: *B-4[illegible]*

29. Sketch Required

NTS



SEE SCETCH IN FILE COPY

30. Additional Documentation

☑ daily report ☐ police report ☐ photos ☐ videos ☑ digital photos

**If possible date stamp photos or videos*

31. Crash Description and any Additional Comments:

A collision occurred on I-93 NB high speed lane at 12:16 pm. Vehicle #1 slowed down for a state trooper positioned on the high speed lane shoulder. Vehicle #2 did not react in time and rear-ended Vehicle #1. Vehicle #1 traveled into the median ditch and rolled over. Vehicle #2 crossed the travel lane after impacting Vehicle #1 and came to a stop in the low-speed shoulder. Both NB lanes were closed for cleanup. The driver in Vehicle #2 had no injuries. The driver of Vehicle #1 had non-life threatening cuts and bruises and was transported to the Elliot hospital from the crash site by ambulance. The contractors on site were at lunch at the time of the accident.

NOTE : The message board on I-93 NB was located on the low speed side at Mile Marker 12.7.

32. Report generated by:

[redacted] Signature | Name | Date

[redacted] Signature of Supervisor | Name | Date

Distribution: Planning & Community Assistance Traffic Originating Bureau FHWA TMC

** Submit this report to supervisor within 48 hours of the crash.*