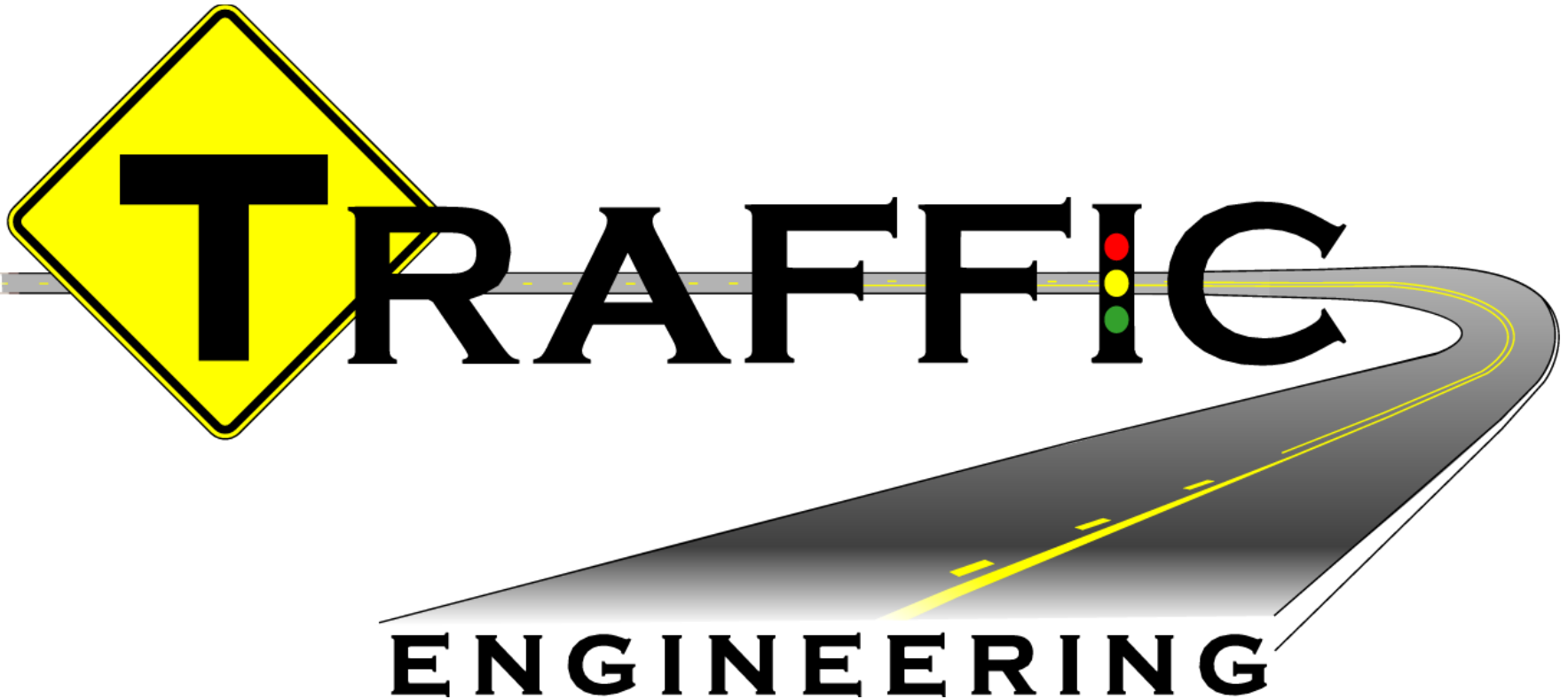


2012 LPA Construction Training



Matt Neemann

Topics

- Traffic Control Plans
- Work Zone Checklist (12-72)
- Approved Product Issues
- Traffic Engineering Contacts

Traffic Control Plans

- Pre-Letting
 - ▣ Traffic Eng. follows Checklist 6-90
 - Ensures MUTCD Standards and NDOR specs are followed for project to be let
 - ▣ Standard Plans
 - 920- 924
 - ▣ Typical Plans

Work Zone Checklist

- Post-Letting
 - ▣ RC/ NDOR State Rep. follow Checklist 12-72
 - ▣ Traffic Control Plans are to be:
 - Developed by RC or CE
 - Based on TTC plans let with project
 - Stamped by a PE
 - Should be **reviewed** by NDOR State Rep for compliance with Standard/ Typical plans.
 - Traffic Engineering can provide assistance if necessary

Work Zone Checklist- TTC Plans

- Used to stake signs and lay out temporary traffic control.
- Need to show signs and traffic control devices used.
- Sign/ device spacings and placement should be shown.
- Any changes to the traffic control plans during construction should be documented.

Reduced Speed Limits

- State Statute 60-6,188 gives the Department of Roads the authority to reduce the regulatory speed limit in a construction zone on the **state highway system** and also post fines for speeding doubled.
- This statute **does not** apply to any road other than one on the state highway system.



Reduced Speed Limits

- In order for a local entity to lower a speed limit through a work zone, it would need to be done in accordance with State Statute 60-6,190. This statute requires the completion of an engineering study to change a speed limit. There is no provision in this statute for the “fines double” posting.

- What this means is:
 - ▣ Speed limit reductions on the local system must be accompanied by an engineering study showing the need for the reduction.
 - ▣ Any speed limit reduction on the local system **cannot** be signed as “fines double”.

Reduced Speed Limits

- Study needs
 - ▣ Shows need for reduced speed
 - ▣ Stamped by a P.E.
 - ▣ Contains legal authorization by local jurisdiction

Work Zone Checklist



Work Zone Checklist Inspection Report

Instructions for Use: This checklist is not intended to assure that all conditions defined by the contract are met. This checklist is a tool used for each project built with Federal Aid Funds to document minimum quality assurance activities that are performed by the LPA and/or NDOR at critical times during construction.

This form should be completed by the LPA and/or NDOR State Representative on-site during construction. The LPA RC and/or NDOR State Representative is responsible for adding a copy of the completed checklist to the project correspondence log in SiteManager.

Local Public Agency (LPA):	LPA Responsible Charge:	
State Project No.:	Project Name and Location:	
State Control No.:	Date of Review:	This Form was Completed By:
Weather: (Clr/Ptly, Cldy/Cldy/Rain/Sunny)	Visibility:	

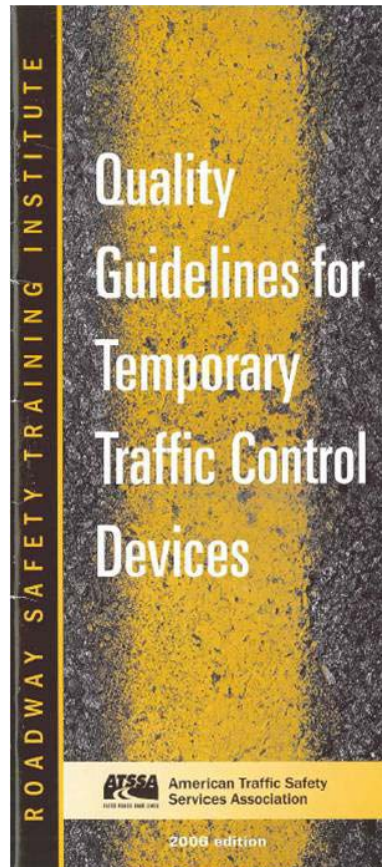
Task Description or Questions	Completed			If No, Define Corrective Action	Information Used to Verify Content	Additional Comments
	Yes	No	N/A			

General

1.	Are the work zone traffic plans signed and sealed by a professional engineer?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	If the project has Traffic Control Management or Traffic Control Surveillance Items in the contract, are daily inspection reports being completed by the appropriate contractor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Do all traffic control devices comply with American Traffic Safety Services Association (ATSSA) "Quality Guidelines for WZTC Devices" handbook?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Work Zone Checklist

- Are daily inspection reports being filled out?
- Do all TTC devices comply with ATSSA quality handbook?



Work Zone Checklist- Flagging

- Are Flaggers Certified?
- Proper attire?
- Are flaggers stationed properly?
 - ▣ Visible?
- Is flagger paddle proper size?
- Pilot car- round trip in 15 minutes or less?



Work Zone Checklist- Signs

- Are signs located properly?
- Are they clean?
- Are stands NCHRP 350/ MASH compliant?
 - ▣ http://safety.fhwa.dot.gov/roadway_dept/road_hardware/wzd.htm



Work Zone Checklist- Setup

- Are tapers acceptable?
- Device spacing?
- Are devices cleaned/ properly aligned?



Right Lane
Closed 1 Mile?

Work Zone Checklist- Markings

- Are markings visible and in good condition?
- Are they free of conflict?



Work Zone Checklist- Signals

- Are signal heads oriented properly?
- Are they all operational?
- Does timing function correctly?

Work Zone Checklist- Conc. Barriers

- Are barriers in the correct location?
- Are connections pinned properly?
- Delineators/ object markers?

Approved Products

Official Nebraska Government Website



NDOR Services & Staff

NDOR Divisions/Districts

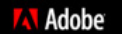
Materials & Research Quick Links

[M&R Home Page](#)

[Approved Products List](#)

[Materials Sampling Guide](#)

[Materials Management Guidance](#)



Traffic Control Devices

[Contact the Webmaster](#)
[Text Only](#)

Barricade Lights

- [Type A Lights](#)
- [Type B Lights](#)
- [Type C Lights](#)
- [Footnotes for Barricade Lights](#)

[Tubular Posts](#)

[Tubular Post & Curb Systems](#)

[Opposing Lane Dividers](#)

Delineator Posts

- [Reflectors for Delineator Posts](#)
- [Flexible Delineator Posts](#)

[Temporary Glare Screens](#)

[Flashing Arrow Panels](#)

[Inertial Barrier Systems/Module](#)

Sign Sheeting

- [Temporary](#)
- [Contractor Furnished](#)



Official Nebraska Government Website



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Materials & Research Quick Links

[M&R Home Page](#)

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[Materials Sampling Guide](#)

[Materials Management Guidance](#)



Pavement Markings

[Contact the Webmaster](#)
[Text Only](#)

Permanent Pavement Markings

- [Polyurea Pavement Marking](#)
- [Wet Reflective Polyurea](#)
- [Wet Reflective Media](#)
- [Preformed Pavement Marking, Type IV](#)
- [Wet Reflective Preformed Pavement Marking, Type IV](#)

Durable Retro Reflective Preformed Pavement Marking

- [Type I Tape](#)
- [Type II Tape](#)
- [Type III Tape](#)

Permanent Pavement Marking Paint & Beads

- [Traffic Paint](#)
- [Glass Beads](#)

Temporary Pavement Markings

- Temporary Pavement Marking Paint & Beads
 - [Traffic Paint](#)
 - [Glass Beads](#)
- Temporary Pavement Marking Tape
 - [Type I Tape](#)
 - [Type II Tape](#) (removable)
- Raised Pavement Markers
 - [Plowable Type](#)
 - [Temporary Type](#)
 - [Overlay Markers](#)



Approved Products

- It is the RC's responsibility to ensure products are on the APL or seek approval prior to placement

- What happens if a product specified in the contract is not used?
 - ▣ Traffic Eng. will offer technical assistance on suitability of product
 - ▣ A change order must be filled out to properly document the change
 - State Rep. must OK the change
 - Change may or may not be eligible for Federal reimbursement

Approved Products

Preformed Pavement Marking

Preformed Pavement Marking, Type IV

Section 423

Updated on 12-9-11

PRODUCT	MANUFACTURER
Stamark 380I (white) Stamark 381I (yellow) Stamark 380I ES (white) Stamark 381I ES (yellow)	3M

Wet Reflective Preformed Pavement Marking, Type IV

Section 423

Updated on 12-9-11

PRODUCT	MANUFACTURER
Stamark 380AW (white) Stamark 381AW (yellow)	3M

Traffic Engineering Contacts

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