



Work Zone Traffic Control

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Work Zone Traffic Control

23 CFR 655.603 (a) National MUTCD

“the MUTCD approved by the FHWA is the national standard for **all** traffic control devices installed on any street, highway, or bicycle trail open to public travel...

...including toll roads and roads within shopping centers, parking lot areas, airports, sports arenas, and other similar business and/or recreation facilities that are privately owned but where the public is allowed to travel without access restrictions.”



Provide adequate traffic control



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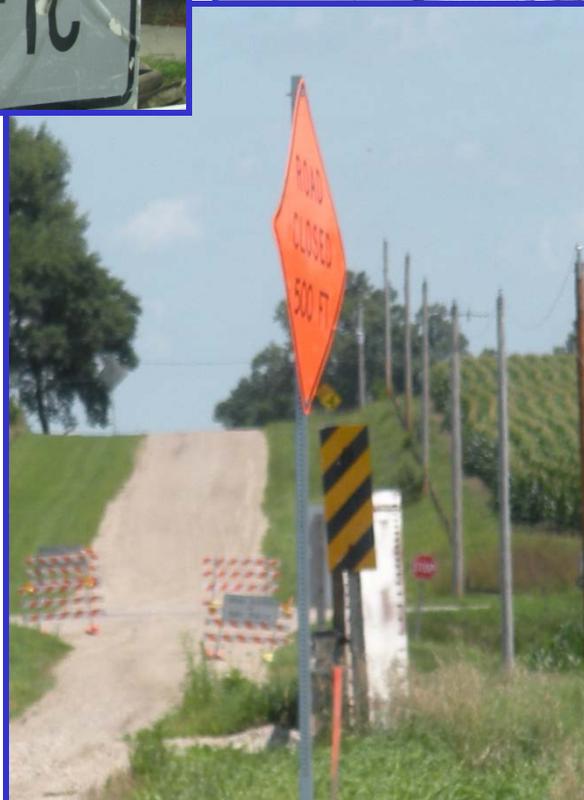
TTC must conform to MUTCD



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Maintain Traffic Control Devices



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-ATSSA Quality Guidelines for Temporary Traffic Control Devices and Features



Maintain Traffic Control Devices



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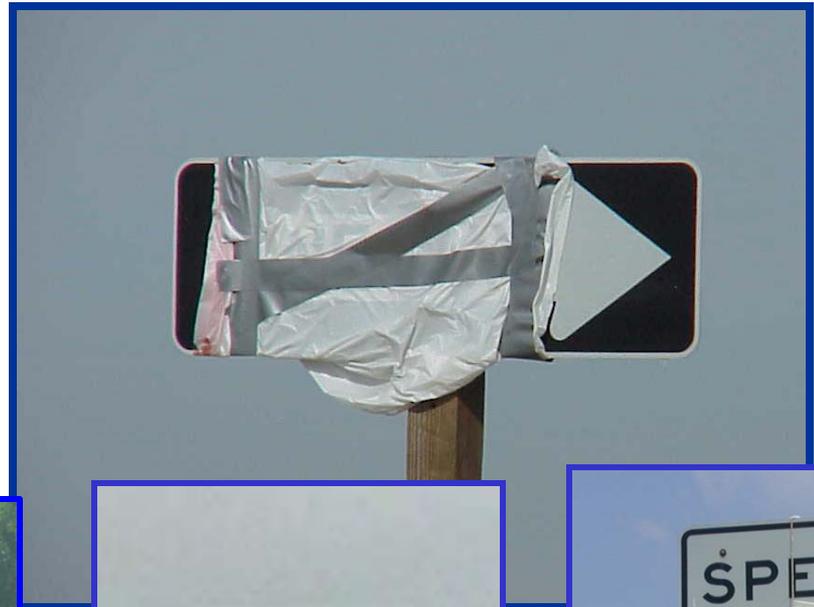
Pavement Markings

- **MUTCD 6F.71, 6F.72**

- Pavement markings shall be maintained along paved streets and highways in all long- and intermediate-term stationary TTC zones (three or more days).
- Temporary pavement markings should not be in place for more than 2 weeks unless justified by an engineering study.



Remove or properly cover signs



Crashworthy devices required

- MUTCD 2A.19, 6F.01, 6F.03
 - Crashworthy performance criteria established in NCHRP Report 350, MASH



1800 lb vehicle
traveling at 62 mph



Crashworthy devices required



Crashworthy devices required



Retroreflective/illuminated signs required at night



Three-day maximum for skid-mounted and roll-up signs



Flaggers need to be visible



Flaggers need to be alert



Flaggers need to be alert



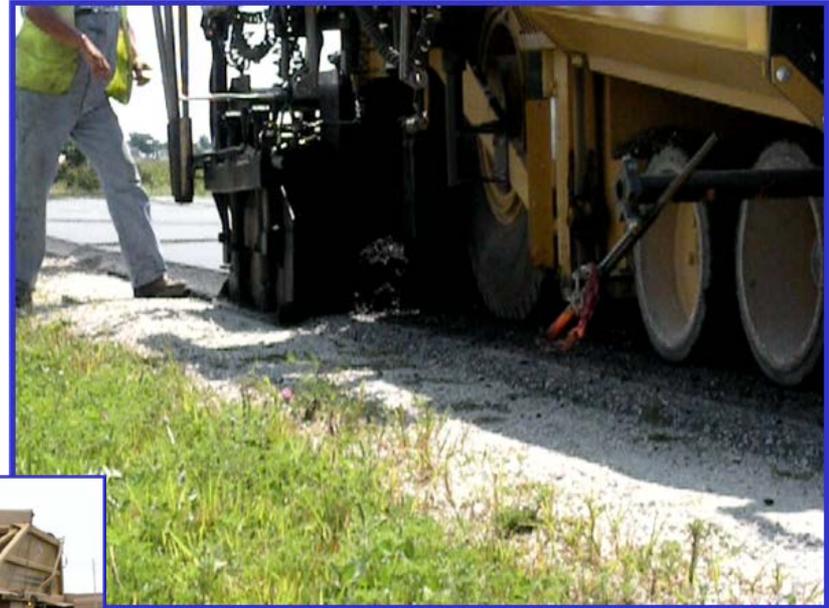
Flagger Stations



Mitigate edge drop-off



Safety Edge



ROAD CLOSED TO THRU TRAFFIC

- MUTCD 6F.09

–The ROAD CLOSED TO THRU TRAFFIC sign should be used where road user flow detours to avoid a closure some distance beyond the sign, but where **local** road users can use the roadway to the point of closure. These signs should be accompanied by appropriate warning and detour signing.



ROAD CLOSED

- **MUTCD 6F.08**
 - **The ROAD CLOSED sign should be used when the roadway is closed to all road users except contractors' equipment and other authorized vehicles. This sign should be accompanied by appropriate advance warning signs.**



ROAD CLOSED

X



- **MUTCD 6F.08**

- **The ROAD CLOSED sign shall not be used where road user flow is maintained through the TTC zone or where the actual closure is some distance beyond the sign**

X



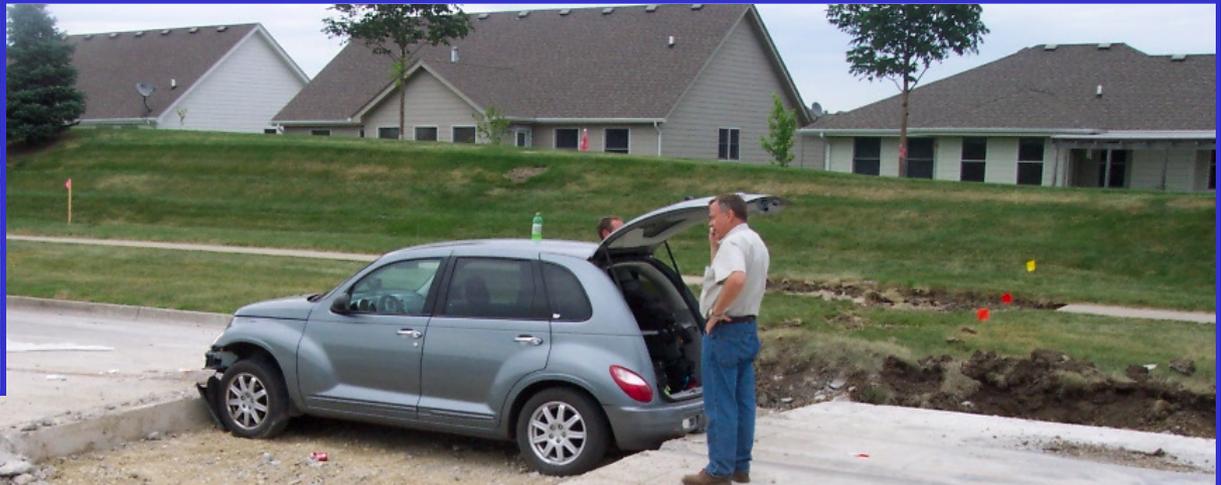
Button up safety closures



Button up safety closures



These people are out there!



At least be consistent!



Provide Access & information



Provide Access & information



NO!

Provide Access & Information



Perform Night Reviews



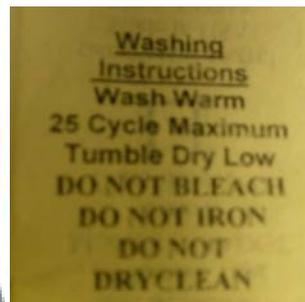
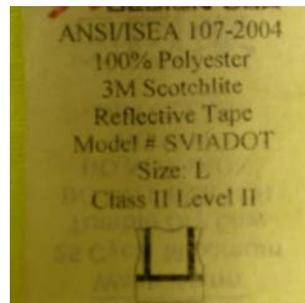
High-Visibility Apparel Required

Section 6D.03

Standard:

- 04 All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purposes of travel) or to work vehicles and construction equipment within the TTC zone shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled “American National Standard for High-Visibility Safety Apparel and Headwear” (see Section 1A.11), or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 2 or 3 risk exposure, except as provided in Paragraph 5. A person designated by the employer to be responsible for worker safety shall make the selection of the appropriate class of garment.

Class II



Class III

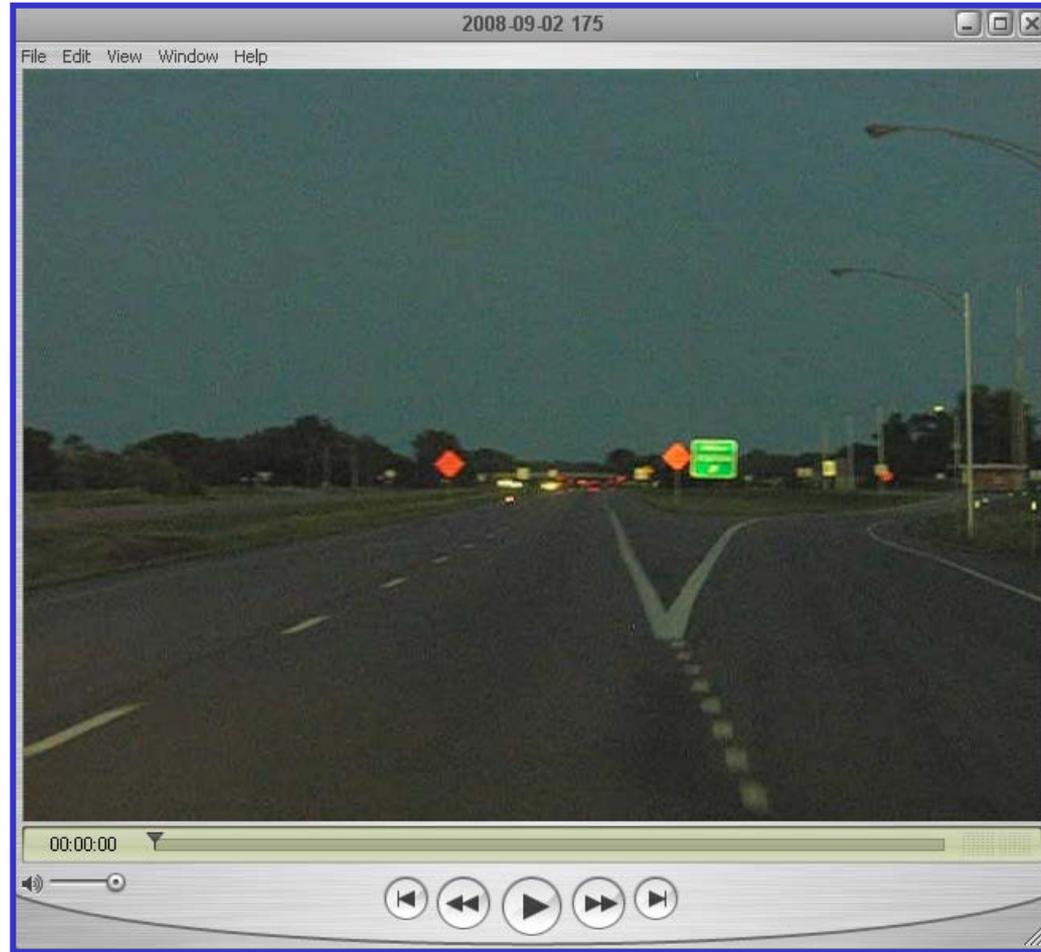


High-Visibility Apparel Required



Section 6D.03 - Worker Safety

Document the TTC Setup



Top Ten List for WZ Safety



1. Obey the MUTCD – it applies to ALL roadways
2. Use crashworthy traffic control devices (NCHRP-350/MASH)
3. ADA applies in work zones also
4. Make sure the clear zone is clear!
5. Don't allow personal vehicles to be parked where the traveling public has the ability to get to

Top Ten List for WZ Safety



6. Follow agency-approved traffic control plans
7. Document your traffic control set-up and maintain it once its up
8. Be sure to close the orange safety fence when you leave the construction site.
9. Perform night reviews to ensure that signs are visible and devices and markings provide positive guidance
10. Be Seen! Make sure you're visible to traffic, work vehicles, and construction equipment

Questions?



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