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2002 Work Zone Safety Challenge

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Recommended Citation

Maine Department of Transportation, "2002 Work Zone Safety Challenge" (2002). *Transportation Documents*. 158.

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MAINE DEPARTMENT OF TRANSPORTATION

2002 Work Zone Safety Challenge

Choose one answer, unless noted otherwise.

- 1) The "Flagger Symbol" sign shall be removed, covered, or turned away from drivers when:
☐ the crew has gone to lunch
☐ the end of work on the first day of a two day job
☐ a flagger is no longer needed to control traffic
☐ all of the above
☐ the flagger has to "do number 1" in the woods nearby
- 2) A person driving west in the late afternoon and approaching a work zone has a problem. What is it?
☐ his face will get sunburned
☐ the flagger cannot see the oncoming car well
☐ drivers may be looking directly into the sun and cannot see the workers, trucks, flagger, etc.
☐ he's late and missing his favorite episode of Gilligan's Island
- 3) The staff of a STOP/SLOW paddle shall be:
☐ about 5 feet long
☐ at least 6 feet long and preferably 7 feet long
☐ reflectorized
☐ a rigid handle
☐ at least as tall as the flagger
- 4) Arrow display boards can display an arrow:
☐ only for stationary or moving lane closures on a multilane road
☐ for shoulder work on a two lane road
☐ for closing one lane on a two lane road
☐ two of the above
☐ all of the above
- 5) Traffic cones:
☐ must be predominantly orange
☐ can be the new bright yellow-green color
☐ must be at least 16 inches tall for daytime work
☐ can be stacked at most 5 high to help them stand up
- 6) This "part" of a work zone provides protection for traffic and workers.
☐ the "taper" or transition area
☐ the buffer space
☐ the work area as long as there is a truck parked in front of the workers
☐ the diversion or "protection" zone

- 7) All work zone signs must be “retroreflective”. What does this mean?
- ☐ that light reflects and scatters on the sign sheeting material
 - ☐ that a large portion of the light coming from a source returns directly back to it
 - ☐ it’s the latest in “retro-pop” design, such as those fluorescent green signs
 - ☐ that the orange sign color reflects white light better on a rainy day
- 8) The black-on-white speed limit sign says 40 mph, but the black-on-orange advisory speed sign under your “Road Work Ahead” sign says 25 mph. What is the legal speed limit?
- ☐ 25 mph
 - ☐ 40 mph
 - ☐ I don’t know
- 9) Which of the following describes a daytime work zone activity that occupies a certain location from 1 to 12 hours?
- ☐ a mobile operation
 - ☐ more than enough for me
 - ☐ short term stationary
 - ☐ the making of roadkill pizza
 - ☐ short duration
- 10) How far does a vehicle traveling 35 mph travel in one second?
- ☐ 51 feet
 - ☐ 45.5 feet
 - ☐ 60 feet
 - ☐ 35 feet
- 11) In the above question, if you, the worker in the lane, notice that 35 mph vehicle when it is about 200 feet away from you, how many seconds do you have to see it, react, and jump out of the way?
- ☐ 2.3 seconds
 - ☐ 4 seconds
 - ☐ 5.9 seconds
 - ☐ plenty..... because you’re physically fit
- 12) If a driver sees a series of these barricades defining a work zone ahead, to which side of the barricades should the driver go?
- ☐ to the right
- ☐ to the left
- ☐ it doesn’t matter
- ☐ to the side with more open space
- 13) Which one of the following factors is the biggest reason behind work zone crashes?
- ☐ following too close
 - ☐ driver inattention or distraction
 - ☐ illegal, unsafe speed
 - ☐ teenage and/or elderly drivers
 - ☐ a combination of OUI offenders, dirty windshields, and deer in the road

14) Which one of the following crash types is most typical in a work zone?

- ☐ head on crashes
- ☐ rear end/sideswipes
- ☐ run off the road crashes
- ☐ jackknifed trucks

15) What's wrong with this picture? (busy 4 lane road with off road private driveway paving to the right)

Check all that apply

- ☐ no advance warning
- ☐ not enough cones
- ☐ not a proper "taper" area
- ☐ roller is too small



16) The letter heights on signs should be 1 inch of letter height to _____ feet of legibility distance?

- ☐ 10 feet
- ☐ 15 feet
- ☐ 40 feet
- ☐ 100 feet

17) In order for a work site to be considered a highway work zone, what is the minimum number of workers that must be present in the work area itself?

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3

18) According to a survey in an early 1990's issue of a leading highway transportation industry magazine, which of the following work zone devices is most effective according to highway officials?

- ☐ cones
- ☐ flags and flaggers
- ☐ lighted vests
- ☐ barricades

Tie Breaker Question (need both right)

What is the name of the Maine law which states that a State or municipal highway worker or crew can be held liable for “negligent acts” related to maintaining or using vehicles, machinery, or equipment when on the job? What is the maximum dollar amount that a plaintiff, or injured party, can sue a town or the State for that arises out of a single accident?

Exact name of law (not Title or MRSA numbers): _____

Dollar amount: \$_____