



# Construction Best Practices

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Emulsified Chip Seal





# Best Practices – Chip Seal

- Located on TSP2

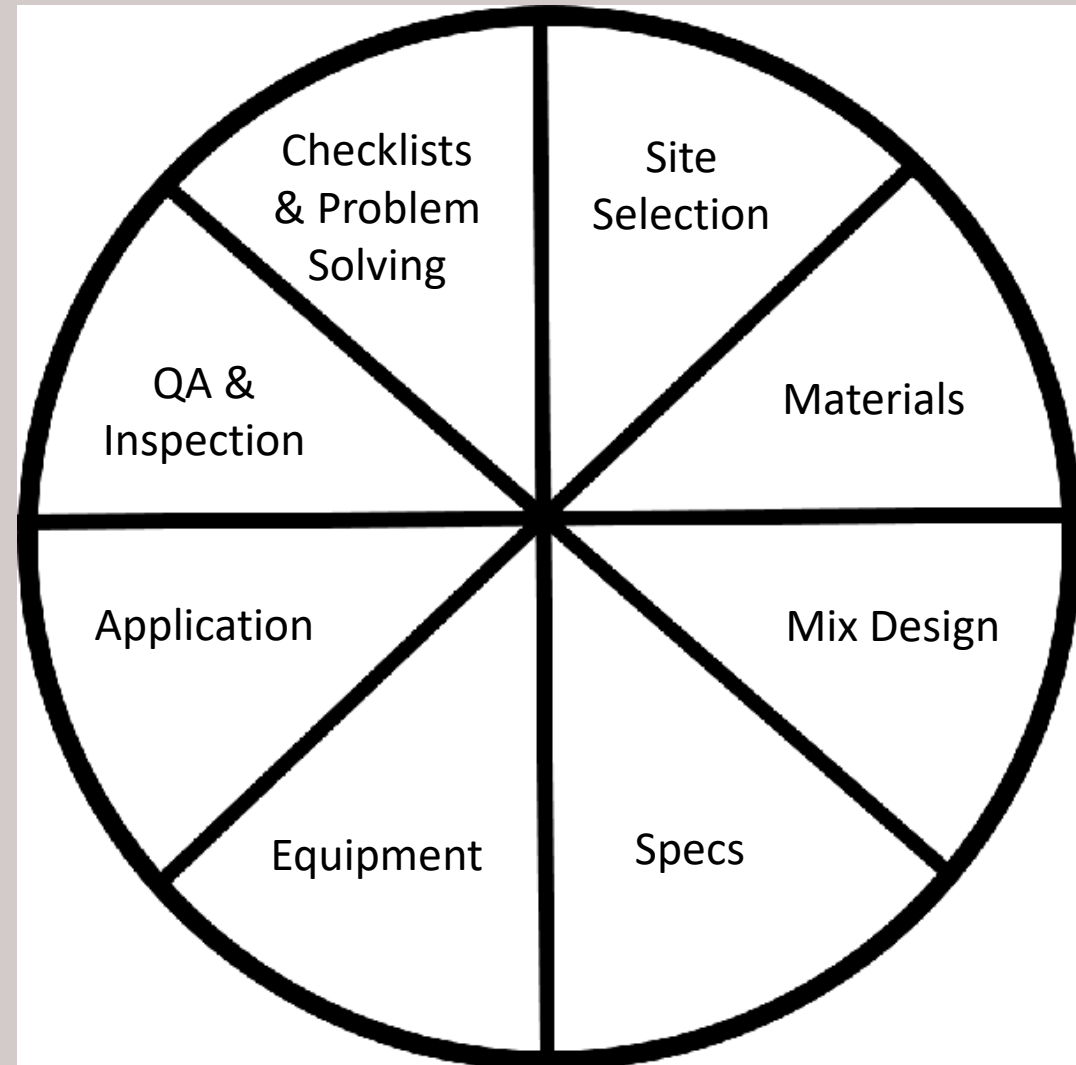
The screenshot shows a web browser window with the URL [tsp2-etf.org/specs-checklists/best-practices/](https://tsp2-etf.org/specs-checklists/best-practices/). The page header includes the phone number 517-432-8220 and the email address ncpp@egr.msu.edu. The main navigation menu has items: About ETF, Meetings & Presentations, Specs & Checklists (selected), NCHRP 20-44(26), and Training. A dropdown menu under 'Specs & Checklists' shows 'Checklists', 'Specifications', and 'Best Practices' (selected). The main content area is titled 'Best Practices' and lists 'Chip Seals' with a link to 'Best Practices – Chip Seal [2021-02-08]'. The footer contains the text 'Copyright. All rights reserved. Proudly powered by WordPress | Education Hub by WEN Themes'.

- Thank you to the group: Shuler, Hicks, Tomkins, Birdsall, Clayton, Ishee, Brewster, Martin, Epps, and Betsold





# Format





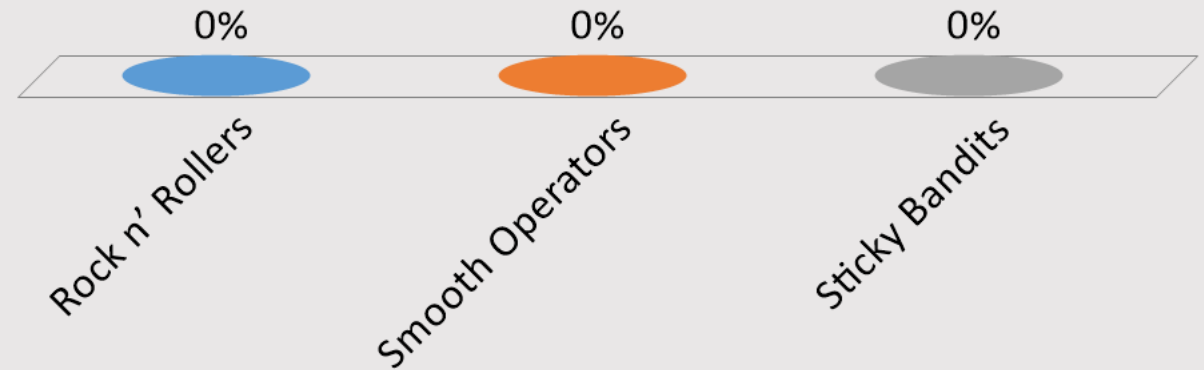
# “Practice makes Perfect”

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- 10 questions
- 1000 points per question (based on speed scoring)
- 3 Teams
- Prizes for winning team, MVP of winning team and overall high score.
- Remote or your phone: [www.ttpoll.com](http://www.ttpoll.com)
- Session ID: emulsion

# Pick Your Team

- A. Rock n' Rollers
- B. Smooth Operators
- C. Sticky Bandits



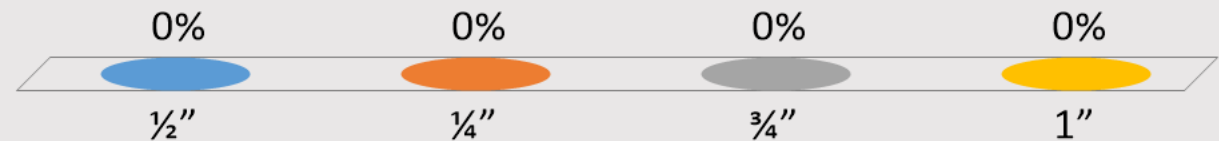
# What size cracks can a chip seal effectively seal?

A.  $\frac{1}{2}$ "

✓ B.  $\frac{1}{4}$ "

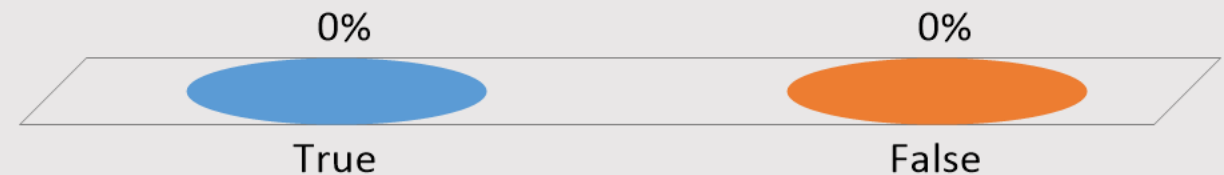
C.  $\frac{3}{4}$ "

D. 1"



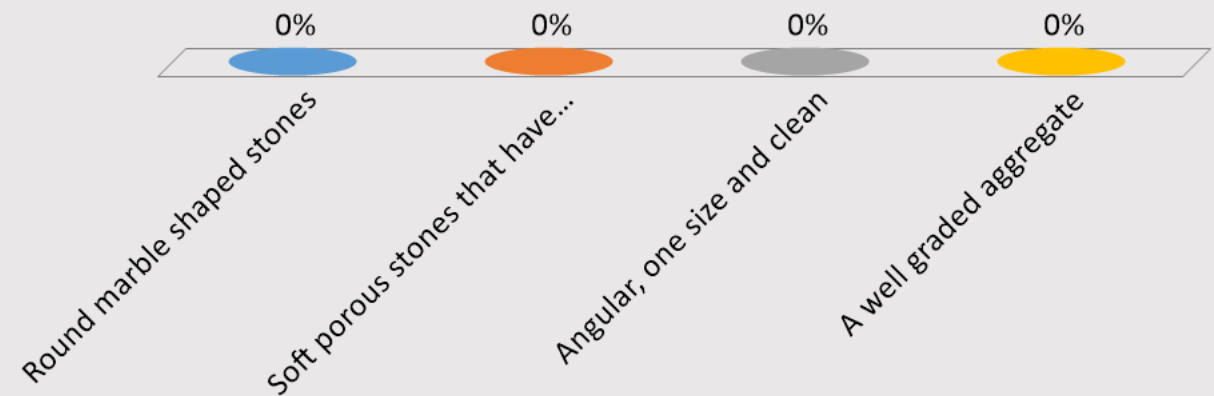
Chip seals should only be applied when the high temperature for the following two days is forecast to be above 70°F

- ✓ A. True
- B. False



# What type of aggregate makes for the “ideal” chip seal?

- A. Round marble shaped stones
- B. Soft porous stones that have a high absorption rate
- ✓ C. Angular, one size and clean
- D. A well graded aggregate





# Fastest Responders

**Seconds**

**Participant**

**Seconds**

**Participant**

According to the Best Practice document, what is a “good” value for the max percent dust?

A. 3%

B. 1%

✓ C. 2%

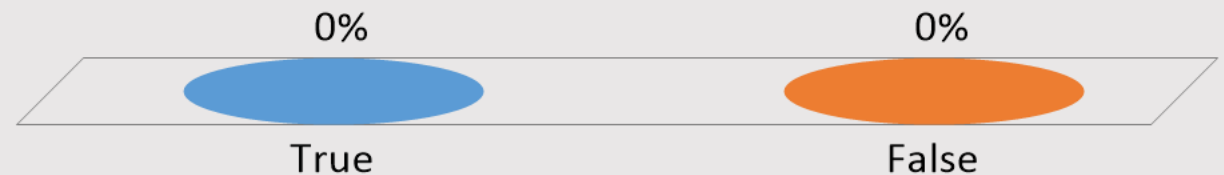
D. 0.5%



According to the Best Practice document, 3 steel wheel rollers can be used in place of rubber tire rollers.

A. True

✓ B. False



# Team Scores

**Points**

**Team**

**Points**

**Team**

# Participant Leaders

**Points**

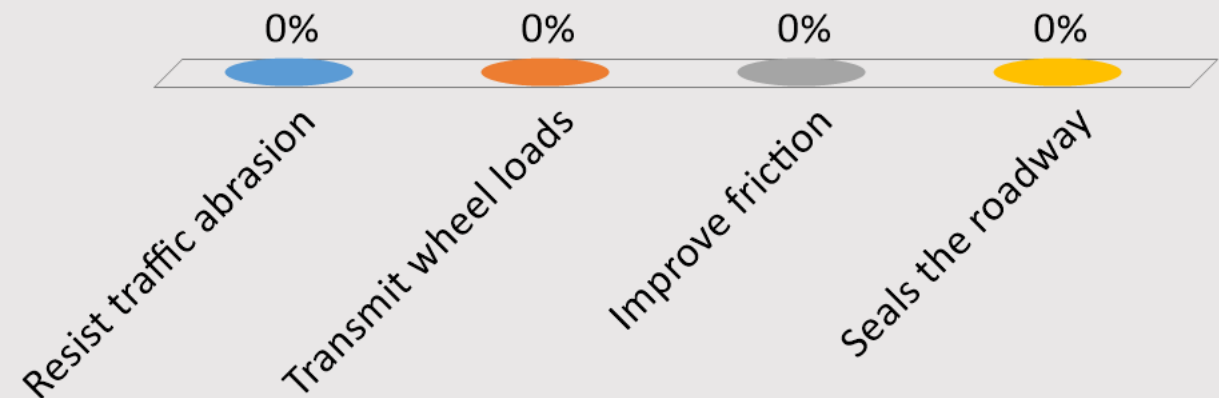
**Participant**

**Points**

**Participant**

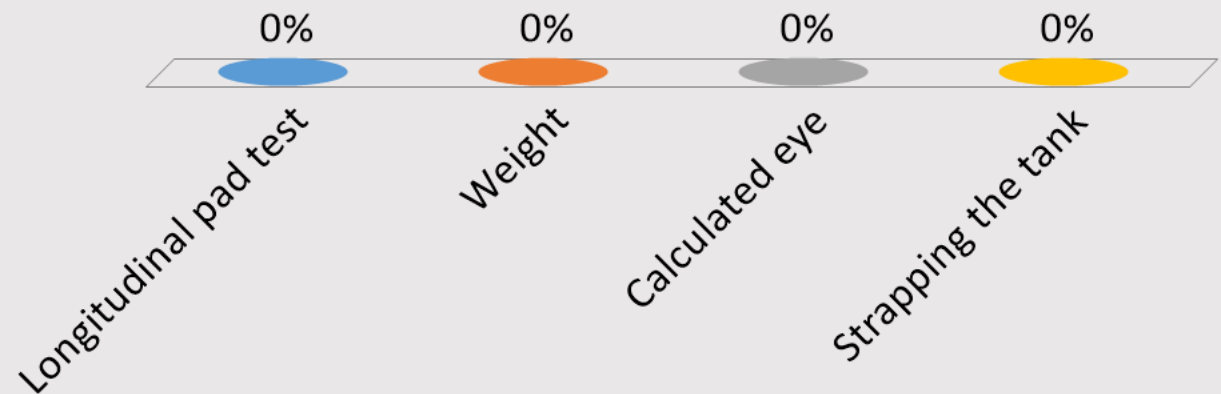
# Which is not a function of the aggregate in a chip seal?

- A. Resist traffic abrasion
- B. Transmit wheel loads
- C. Improve friction
- ✓ D. Seals the roadway



# What is not a recommended way to check a distributor's calibration?

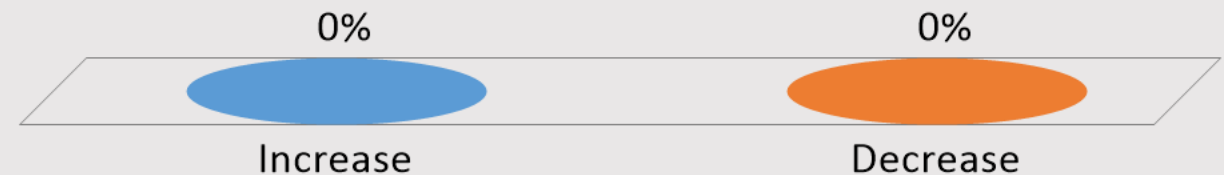
- A. Longitudinal pad test
- B. Weight
- ✓ C. Calculated eye
- D. Strapping the tank



# Does the binder application rate increase or decrease as the traffic count goes up?

A. Increase

✓ B. Decrease





# Fastest Responders

**Seconds**

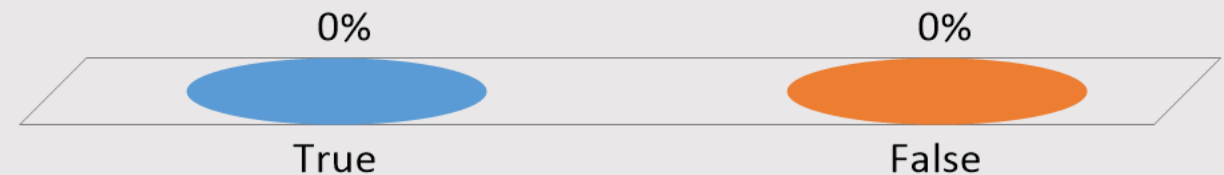
**Participant**

**Seconds**

**Participant**

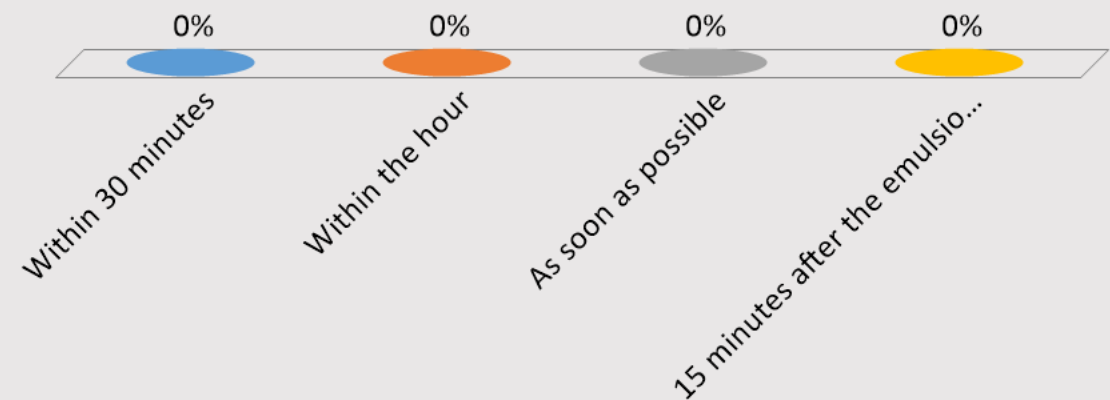
A QA/QC plan should be an element of a good chip seal specification.

- ✓ A. True
- B. False



# How soon should aggregate be applied after binder application?

- A. Within 30 minutes
- B. Within the hour
- ✓ C. As soon as possible
- D. 15 minutes after the emulsion breaks



# Participant Leaders

**Points**

**Participant**

**Points**

**Participant**

# Team Scores

**Points**

**Team**

**Points**

**Team**

# Team MVP

**Points**

**Team**

**Participant**

# Thank You!

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