

# AASHTO/NSBA Thermal Spray Coating Specification

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**National Steel Bridge Alliance**  
A Division of the American Institute of Steel Construction



# Official Title

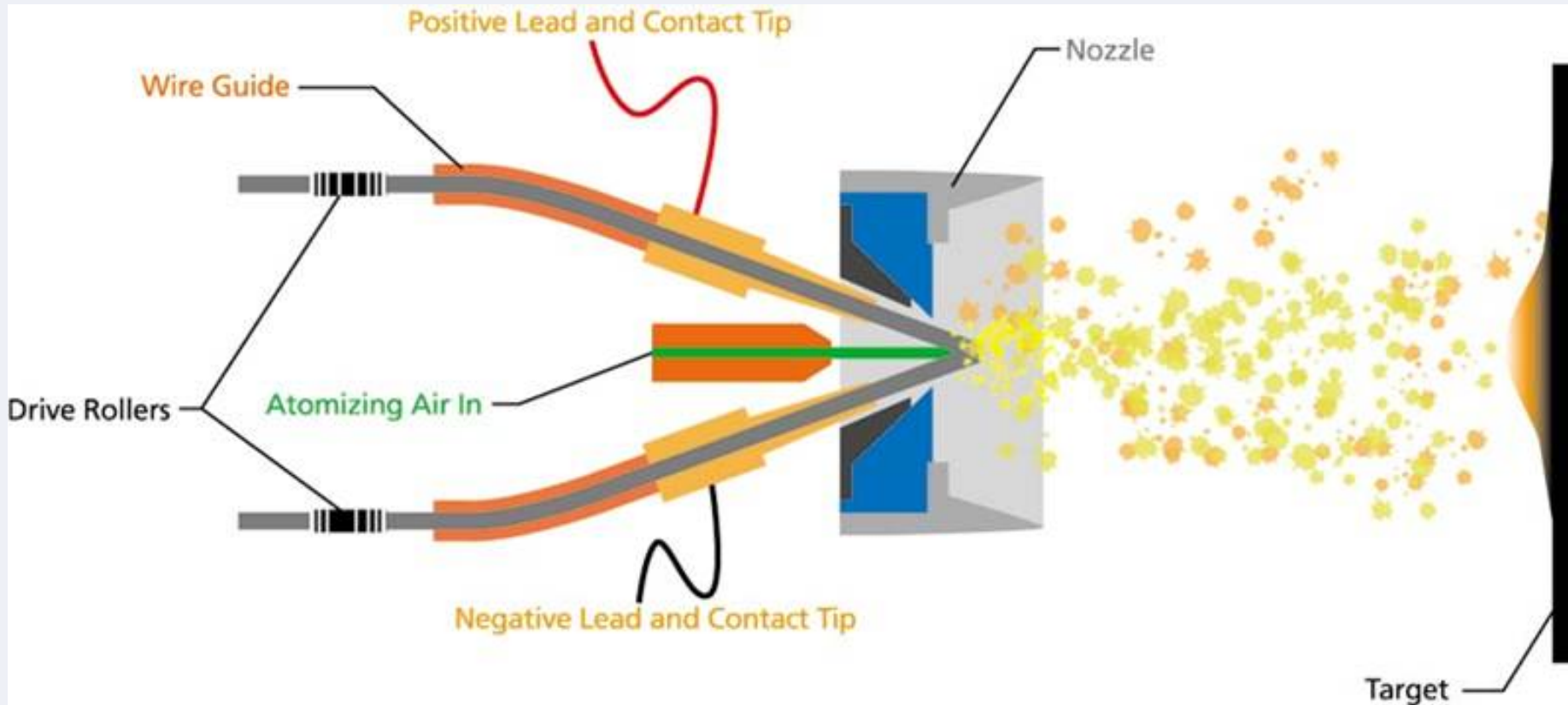
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- S8.2 – Specification for the Application of Thermal Spray Coatings to Steel Bridges
- A Joint Document – AASHTO/SSPC/NSBA

# Background



# The TSC Process





# Videos

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- [Canam](#)
- [Flat Plate](#)



# Specification History

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- Started in fall of 2015
- Survey to States (34 responses)
  - 7 state had TSC spec. (all different)
- Task group consisted of ~50
- Goal: Develop an agreed upon Standard Specification for TSC
- Balloted via SSPC & AASHTO/NSBA
- Last step: Ballot at SCOBS, June 15.



# Owner Involvement

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## States Involved in Development

- New York
- Rhode Island
- North Carolina
- Florida
- Texas
- California
- Illinois
- Massachusetts
- Virginia
- New York State Thruway
- FHWA



# Owner Involvement

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## States Involved in Development

- New York (Scott Lagace)
- Rhode Island
- North Carolina
- Florida (Steve Duke)
- Texas (Tom Schwerdt)
- California
- Illinois
- Massachusetts
- Virginia
- New York State Thruway
- FHWA



# Key Points in Specification





# Key Points

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- Personnel
- Equipment
- Materials
- Surface Preparation
- Application of TSC
- Sealer and Topcoat
- Inspection and Testing
- Geometry and Inaccessible Areas

# Comments From States





# State Comments

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## 5 Total Comments:

- Minnesota DOT
- Texas DOT
  
- Majority were editorial and formatting comments.



# One Minor Revision

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## C9.3:

Visible oxidation of TSC depends on environmental conditions. Reapplication of TSC over TSC is most likely to occur in the context of a repair or to address insufficient thickness; deliberate use of a partial-thickness “hold coat” followed by later buildup to required thickness is not recommended, ~~although it is permitted by the Joint Standard.~~

# THE Best Thermal Spray Coating (Metallizing) Specification





# Questions?

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