



Matrix 502 Installation Daily Field Inspection Report

Bridges

REV 7/24

Date: _____

Contractor: _____

Location: _____

State DOT or Project Owner: _____

Project Manager: _____

Site Preparation

Ambient Temperature and substrate at least 40°F and rising? Temp start _____ Temp Finish _____

Concrete Moisture content less than 5% or at least 14-days post pour? Yes _____ No _____

Joint width between 20" - 24"? Joint width measurement _____

Joint cut is centered over the expansion gap or abutment? Yes _____ No _____

(if no provide measurements) _____

Joint depth at least 2"? Joint depth measurement _____

Joint Length _____ Joint Length measurement _____

Joint must be clean and dry. Joint cleaned out thoroughly and dried? Yes _____ No _____

Expansion gap 3" or less? Expansion gap measurement _____

Surface of join is sufficiently flat to accommodate bridging plates over the expansion gap?
Yes _____ No _____ or N/A bridging plates not used _____ (only if no expansion gap exists)

If No, what was used to level the plates? (Be specific) _____

Materials Used

Structural Aggregate (bags used) QTY. _____

Binder blocks used QTY. _____

6' Backer Rod used if applicable. QTY. _____

Bridging plates if applicable QTY. _____

Surfacing Aggregare Bags used QTY. _____

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Matrix 502 Procedures

- 1. Binder Blocks are heated into a liquid state between 380°F and 410°F. Yes _____ No _____
- 2. Structural Aggregate Heated between 275°F and 375°F. Yes _____ No _____
- 3. Backer rod inserted into expansion gap approximately 1/2" below the deck Yes _____ No _____
N/A _____ (only if no expansion gap exists)
- 4. Binder applied to joint in thin coat completely covering vertical walls and bottom? Yes _____ No _____
- 5. If Bridging plates were used, did you coat the bridging plates with binder? Yes _____ No _____ N/A _____
- 6. Mixing - 1 gallon of binder used to 1 bag of aggregate ratio. Yes _____ No _____
- 7. Mixed Binder and aggregate thoroughly before applying to joint Yes _____ No _____
- 8. If Joint is deeper than 3" did you fill in 2" lifts adding binder in between the lifts? Yes _____ No _____
Less Than 3" deep _____
- 9. Joint was filled approximately 1/4" above grade before compacting? Yes _____ No _____
- 10. Compacted joint with 1 1/2 to 3-ton roller with water? Yes _____ No _____
- 11. Dried joint with propane weed burners or heat lance? Yes _____ No _____
- 12. Filled in all voids with binder after rolling? Yes _____ No _____
- 13. Spread surface aggregate on top of hot binder? Yes _____ No _____
- 14. Rolled in surface aggregate with 1 1/2 to 3-ton roller? Yes _____ No _____
- 15. Waited for plug joint to reach ambient temperature before returning traffic? Yes _____ No _____

If you answered No to any of these please reference # and explain why.

