

5260301 ARCHITECTURAL PAVERS – CONSTRUCTION METHODS
COMMENTS FROM INDUSTRY REVIEW

Duane Brautigam
State Specifications/Estimates Office Manager

Comments:

The current spec language seems to indicate that samples are submitted for type, pattern, shape and color only. Although the ASTMs cited have strength requirements, the old spec does not indicate the samples will be tested for strength. This modification seems to add testing requirements for roadway paver samples, even though that is apparently not the case per conversation with SMO. Suggest simplifying the spec by requiring certification to the ASTM methods and eliminating all testing of samples. Arguably, successful architectural paver installations are more a function of the bedding materials, placement and care in installation than the actual strength of the ASTM paver. The sieve analyses and the mock-up installation would seem to address those installation concerns.

Response:

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Comments:

My name is Tom Kline and I was the Project Administrator for HDRCCC on the LAP project between FDOT and the City of Daytona Beach where we installed both sidewalk and roadway architectural pavers on A1A from Speedway Blvd. north to Riverview Dr. Because of this project I became more familiar with Architectural Pavers than I ever wanted to. During the project we experienced problems with the gradation of the bedding and joint sands that led to pumping and failure of the roadway pavers at Main St. and A1A within an hour of having traffic on it. For that reason I was glad to see the gradation certs being added as a required submittal for these materials. However, I think it would also be beneficial to require that this documentation be source specific and that the contractor provide delivery tickets or some sort of documentation verifying that the material being used is indeed the same material that the submitted gradation represents. If this is covered somewhere else in the specs please feel free to ignore this suggestion and I apologize. It's just that the gradation requirements are very narrow, with minimal fine and large aggregates. Too much fine material opens the door to pumping and failure if the area were to get saturated; too much large aggregate can lead to the pavers cracking. It is nearly impossible to know if the material being used conforms to the gradation requirements by a visual inspection and very easy for a contractor to use whatever sandy material happens to be handy. Just an observation.

Response:
