

**Subject:** [Fwd: W-S Pavement]

**Date:** Thu, 29 Aug 2002 17:00:23 -0400

**From:** "Troy A. Peoples" <tpeoples@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** Larry Stallings <lstallings@dot.state.nc.us>

Fyi

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**Subject:** W-S Pavement

**Date:** Wed, 28 Aug 2002 08:59:36 -0400

**From:** "James H. Dunlop" <jdunlop@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** "Pat Ivey, P.E." <pivey@dot.state.nc.us> ,  
"Troy A. Peoples" <tpeoples@dot.state.nc.us> ,  
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**CC:** "Joel C. Cranford" <jcranford@dot.state.nc.us>

As a follow-up to the Winston-Salem "imprinted" road discussion, and the memo I sent to you yesterday, here's a message from the ITE Traffic Calming mail list that I received this morning.

It reemphasizes the point about making sure any bicycle or pedestrian crossing/walkway material is appropriate and doesn't create a hazard on its own.

Jim D.

Quoted Message Starts Here

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**Date:** Tue, 27 Aug 2002 17:00:03 -0400  
**From:** "Douwes, Christopher <FHWA>"  
<Christopher.Douwes@FHWA.DOT.GOV>  
**Subject:** Re: Unit cost for cobble stone pavement treatment

I don't have cost figures, but I have a "strong recommendation" to be

VERY careful about how you use cobblestones:

By "cobblestone", I assume you mean the quaint cobblestones in old New England historic areas, old Philadelphia, and in the old town squares in many Mexican cities. These stones usually come from stream bottoms, are rounded, etc., and laid into some kind of surface; either packed dirt, sand, whatever...your intention is to inlay into concrete.

Before putting in cobblestones, you should note that:

\* Cobblestones are not an accessible surface under the Americans with Disabilities Act. Cobblestones must not be used in pedestrian crosswalks or within pedestrian walkways. Cobblestones may be used as \*

borders along accessible pedestrian routes, provided there are still accessible passages through the cobblestones as needed (such as access to businesses), and provided they do not pose a tripping hazard. \* Cobblestones must not be used in a bicycle lane or in any part of a roadway in which you should expect to have bicycle use; they are not accessible to bicyclists.

\* Please recognize that some advocates for people with disabilities point out that many people endure severe pain when travelling over bumpy surfaces in automobiles.

If, by "cobblestone", you simply mean inlaid stones, but you cut the stones so they act more like bricks, then I have less of a problem with them. Even so, you would have to be very careful to make sure pedestrian access routes and bicycle routes maintain smooth surfaces.

- Christopher Douwes, Federal Highway Administration, Washington DC

>>> diahn.swartz@transcore.com 08/27/02 01:45PM >>>  
I am looking for some ballpark figures on the unit cost (sq ft or sq yd) for cobblestone embedded into concrete, used in pavement, for traffic calming. Alternatively or additionally, I am looking for a ballpark unit cost for beaumontite (spelling?) with cobblestone imprint.

Thanks for your help,

Diahn L. Swartz, P.E.  
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