

FiberMat® Update

FIBERMAT

The Ultimate Stress Absorbing Waterproofing Membrane

FiberMat® over Concrete Subdivision Roadway - Saves Time and Money!

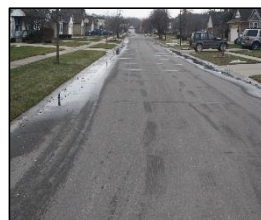
In 2015 the Harbor Creek Subdivision roadways located in New Baltimore, MI were in desperate need of repair. The existing Portland Cement (PC) pavements were broken and tipped causing a very uncomfortable ride for the residence. The City first looked at a total reconstruct of the PC streets but the estimated cost was in excess of \$1 million which was too much for the City to bear. A **Fiber Reinforced Membrane - Interlayer called FiberMat®** with a 3" HMA overlay was suggested as an alternate solution. This new design reduced the disruption to the residence during construction and cost the City a 1/3 of the original PC reconstruction estimate, so New Baltimore went with FiberMat®.

The poor condition of the existing PC surface made it necessary to mill off 3" of the tipped and uneven concrete. Repairs were made to the weakest joints using the MI detail 7 joint repair process and in some places a scratch course of asphalt was needed to prepare the very worst milled surfaces. FiberMat® was then placed over all of the repaired surfaces and a 3" hot mix asphalt overlay was placed on top of the FiberMat®. The project was completed in 2015 and after two years of exceptional performance the City of New Baltimore has continued to utilize the innovative FiberMat® process throughout its City limits.



2015 Photos of the milled roadways with detail 7 joint repairs and scratch course
The FiberMat® consisted of

0.25 lbs./sy of fiberglass, 0.40 gal./sy of FiberMat® emulsion and 22lbs/sy of aggregate over the entire repaired roadway.



Photos taken January 18th, 2017

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