The Kentucky Transportation Cabinet (KYTC) was approached by Site Supply, Inc. in the winter of 2015 to introduce a high strength aramid fiber called ACE Fiber used to improve service life of asphalt cement. After a technical presentation and a thorough review of the aramid fiber asphalt additive, KTC was ready to move forward with the first ACE Fiber pilot project in the state of Kentucky. They particularly wanted to see how well the ACE Fiber reinforced asphalt would perform over the existing concrete base road. The KYTC chose to use PG 76-22 Grade Oil on this project. This is not a problem for ACE Fiber as it can be added to any PG oil without a change to the mix design.

The project was let in June, 2015. Hall Contracting of Kentucky Inc. installed 2,330 tons in the fall of 2015. ACE Fiber helped the contractor achieve compaction requirements. Over the course of 6 days, the ACE Fiber reinforced asphalt was produced and laid without any issues or any changes to typical asphalt production or lay down procedures. The remainder of the project has been delayed due to utility issues and is expected to resume again during the summer of 2016.