The City of Youngstown, Ohio was approached by Site Supply, Inc. in September of 2015 to introduce a high strength aramid fiber called ACE Fiber. ACE Fiber is used to increase the structural strength and service life of asphalt cement. After a technical presentation and a thorough review of the aramid fiber asphalt additive, the City was ready to move forward with the 2015 Infrastructure Improvement Project. The City non-performed the intermediate course and added the fiber-reinforced intermediate course to the pavement section.

Over the course of 3 days in June of 2016, the ACE Fiber reinforced asphalt was produced and paved without any issues or any changes to typical asphalt production procedures or paving procedures. The ACE Fiber was incorporated into a 1.5” intermediate course that was then covered with a ¾” thick fine-aggregate polymer surface course. The ACE Fiber was used to add structural strength and performance to the intermediate course which will better support the thin ¾” fine-aggregate polymer surface course.