

1590 Woodlake Drive
Chesterfield, Missouri 63017-5712
314.275.1500
Fax: 573.522.6475
1.888.ASK MODOT (275.6636)

TO: Eric Schroeter – de
CC: Llans Taylor-de
Jim Smith – de
FROM: Shirley Norris
DATE: March 12, 2014
SUBJECT: Route W, Jefferson County
From South of White Oak School Road to
South of Mid-America Drive
Job No. J6S2207B
Proprietary Item Certification

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), no equally suitable alternate exists for this patented or proprietary item.


Eric Schroeter
State Design Engineer

With reference to the above noted project, we request approval of a Proprietary Item Certification to use ScourStop transition mats in lieu of our standard rock lining at culvert outlets or stream channels. ScourStop is a mechanically anchored 4 ft. x 4 ft. x ½ in. semi-rigid, polymer mat designed with voids throughout the mat to enable vegetative growth.

In an effort to reduce project costs and provide a system that does not require continuous maintenance, particularly in situations where rock lining on culvert pipe outlets under side roads and driveways running parallel to the mainline could create a safety issue, and considering the fact that this section of Route W abuts an established golf course, we request approval to use this product at all culvert outlets and stream channels where we suspect a high incidence of erosion and associated rutting. The use of ScourStop would eliminate the rocks and would not capture other trash and debris thus helping the roadway improvements blend into the surrounding area as well as enhance safety.

Research has been done to identify various alternatives of culvert outlet and stream bed/embankment protection but other than a concrete articulated block mat system or our traditional rock linings, which come at a higher cost due to material and labor required for installation, we cannot identify a system or method that provides the scour protection at such a low cost and virtually eliminating the need for future maintenance. A laborer can install ScourStop with no heavy equipment needed for transport or installation, minimizing the time required to construct. There is no equally suitable alternative for this situation.

FHWA has approved ScourStop for use in Iowa, Mississippi, Nebraska and Tennessee and a Public Interest Finding for Route 141 in St. Louis County (Job NO. J6U807) was approved in December 2009.

Approval of this request at your earliest convenience would be appreciated. This project is scheduled for a May 2014 bid opening.

Approved by:
 3/12/14
Eric Schroeter, State Design Engineer Date
 3/12/14
Llans Taylor, Innovations Engineer Date

