



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**  
Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

February 21, 2017

CALL NO. 200  
CONTRACT ID NO. 172056  
ADDENDUM # 2

Subject: Franklin County, 037GR16P096-STP  
Letting February 24, 2017

(1)Added - Special Note - Pages 25(a)-25(b) of 197

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:ks  
Enclosures



An Equal Opportunity Employer M/F/D

## SPECIAL NOTE FOR POLYMER MODIFIED PARTIAL DEPTH PATCHING

### DESCRIPTION

This work consists of milling or routing, cleaning and patching pot holes, transverse and longitudinal cracks reflected in the existing bituminous surface or longitudinal shoulder joints, transverse and longitudinal random cracks, centerline joints, contraction joints, longitudinal and transverse expansion joints or spalled areas in Portland cement concrete pavement.

### APPLICATIONS

The installed product shall be a hot applied, flexible repair made from a highly polymer modified asphalt binder. The installed product shall provide a load transferring repair that has superior tensile strength and flexibility to accommodate joint and crack movement associated with thermal expansion and contraction, and vibratory movements. The patch must have exceptional resistance to water intrusion and to a broad range of salts, bases, and organic materials.

### MATERIAL SPECIFICATIONS

<u>PROPERTY</u>	<u>METHOD</u>	<u>REQUIREMENT</u>
Tensile Strain	FTL 548-C	35%Minimum @ 2"/minute
Cone Flow	FTL 549-C	10% Maximum
Aggregate Settlement	FTL 551-C	5% Maximum
Flexibility / Mandrel	FTL 550-C	Good/ Better (No tearing at bend point)
Resilience	FTL 547-C	50% Recovery
Application Temp.		300°F - 380°F
Specific Gravity		1.7 -2.0

### SITE PREPARATION

The joint or crack shall be milled with an approved milling machine to the specified width and depth. The pot hole or spall shall be milled, saw cut and jack hammered, or cored and jackhammered to remove the defective areas. The repair surfaces will be cleaned and dried with a hot air lance. The recessed area and vertical walls will be treated with a primer agent to promote adhesion and prevent moisture intrusion (for concrete applications only).

## INSTALLATION

Installation of the material shall be by factory trained and certified installation professionals.

The material will be heated in a thermostatically controlled purpose built mixer, having a horizontal agitator that ensures complete mixing. Once the material has reached approximately 300 - 320°F, the molten material will be introduced into the prepared repair area, sealing the bottom of the repair from water intrusion.

If the depth of the repair exceeds 1 inch, the remainder of the repair process will consist of layering coarse hot angular aggregate (cleaned and dried) at a rate of 25%-35% by volume with the molten material until within ¾" of the top of the repair. The bulking aggregate must be worked into the patch completely.

NO DRY LAYERS OF BULKING AGGREGATE WILL BE ALLOWED.

The final ¾" of the repair will be material for optimum flexibility of the repair. Once this top layer has been screeded to a level grade, a high PSV aggregate will be applied to the top of the repair to ensure proper skid resistance. The patch shall be ready for traffic in no more than 1 hour.

All removed materials and residual repair materials will be recovered and disposed of away from the site at the Contractor's expense.

## MEASUREMENT

The Department will measure the quantity of PARTIAL DEPTH PATCHING in cubic feet, either from field measurements or the metered quantity from the mixer, as the Engineer determines.

## PAYMENT

The Department will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02110	Partial Depth Patching	Cubic Foot

The Department will consider payment as full compensation for all work required in this special note.

An acceptable product to meet this specification is "Fibrecrete B". Other products that fully meet this specification will also be accepted.