



HISTORIC  
FRANKLIN  
TENNESSEE

ITEM #18  
BOMA  
04/08/14

## MEMORANDUM

TO: Board of Mayor and Alderman

FROM: Lisa R. Clayton, Parks Director  
Paul Holzen, Engineering Director  
Ben Worley, ROW Agent / Project Manager  
Vernon Gerth, ACA Community & Economic Development

DATE: April 1, 2014

SUBJECT: Resurfacing of the traffic circle at Eastern Flank Battlefield Park

### Purpose

The purpose of this memo is to confirm the recommendation from City Departments to the to the Capital Improvement Committee the installation of an application called West Tennessee Mix for the traffic circle at Eastern Flank Battlefield Park.

### Background

In 2008, the City constructed the Harlindale main entrance of the farm road with a material called DBST which is an approved TDOT bituminous surface that applies river rock to the application. During this application, three (3") to four (4") inches of loose river rock was left on top of the finished product. Unfortunately, since 2010, the main surfacing has not held and large potholes and chipping has become a weekly occurrence. Since the installation of the same application at Eastern Flank Battlefield Park in fall of 2013, the application is currently notwithstanding the amount of traffic Historic Carnton and EFBP visitor's places on the road surface. Carnton projected that 4,500 visitors (approximately 1,500 cars & ¼ of the volume being tour buses or RV's) have utilized the historic area since opening the new entrance of the park.

The Engineering and Parks Department is proposing to resurface the entire main traffic circle with an application called West Tennessee Mix which incorporates pea gravel with asphalt. (See attached pictures). The end result reflects more of an aggregate look but not until after the surfaced has weathered for a year or more. After the initial installation the surface will have the appearance of black asphalt until the gravel is exposed. Over time, the pea gravel will begin to appear and achieve the end result desired by the original installation. This product can be seen at 1709 Old Hillsboro Road which is a horse boarding farm and the application is five years old. The owner is pleased with the results and recommends the application.

The application would be installed at Eastern Flank the same time Harlinsdale Farm main entrance would be repaved with the West TN mix. (Below pictures of current damage).





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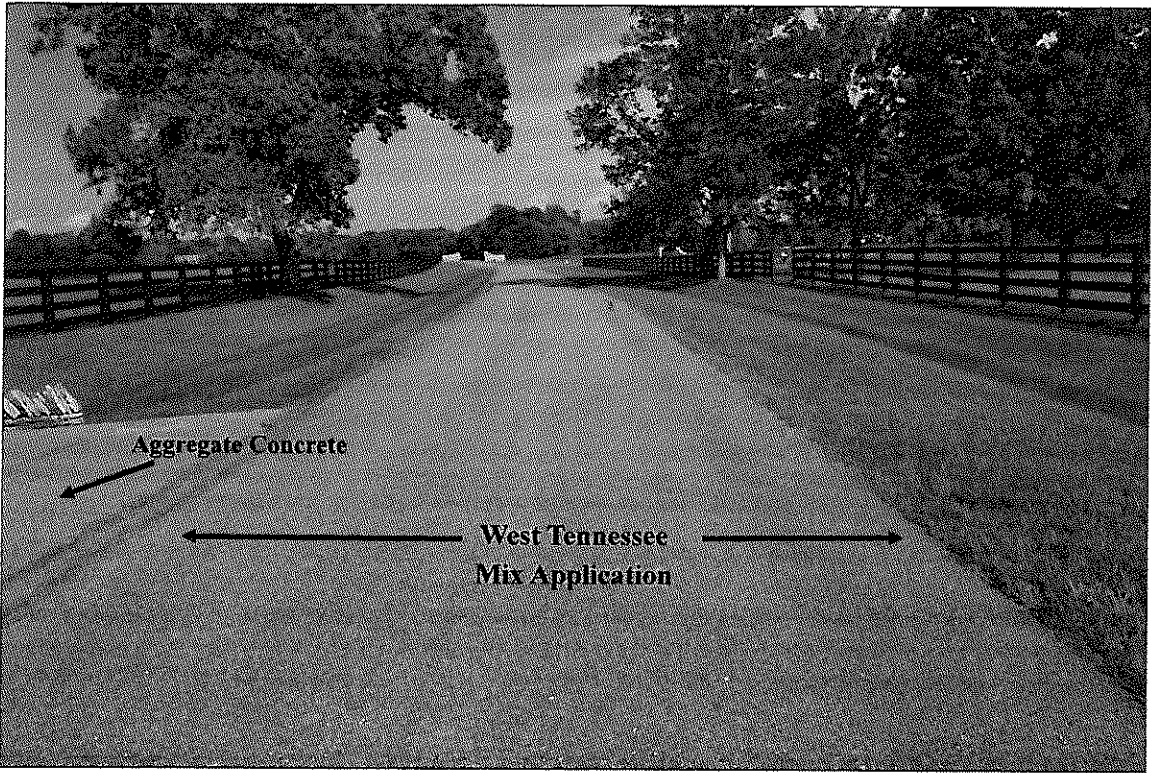
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### **Financial Impact**

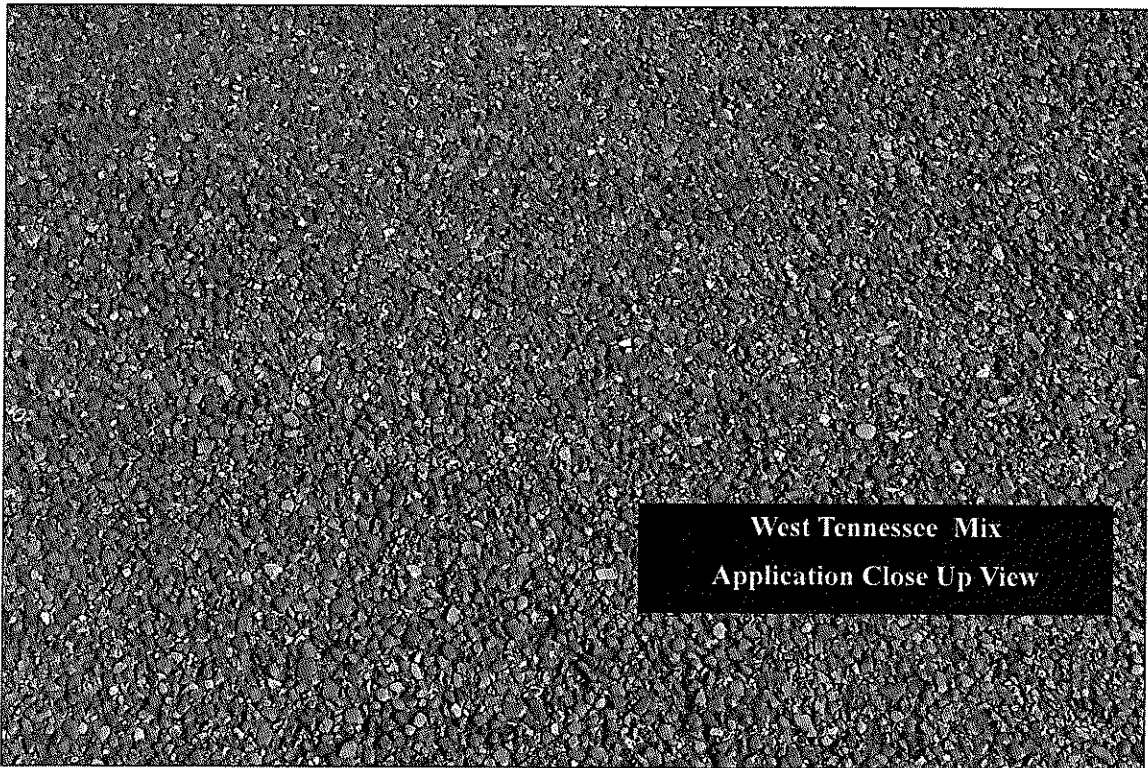
The Parks Department has budgeted \$150,000 in this fiscal year budget to resurface the entire main drive at Harlinsdale Farm with the West Tennessee Mix. To perform the same application at Eastern Flank along with addressing a minor water concerns with concrete around the traffic circle has been quoted at approximately \$23,000. The Parks Department recommends supplementing the cost of the improvement at Eastern Flank in the existing Parks general fund budget.

### **Recommendation**

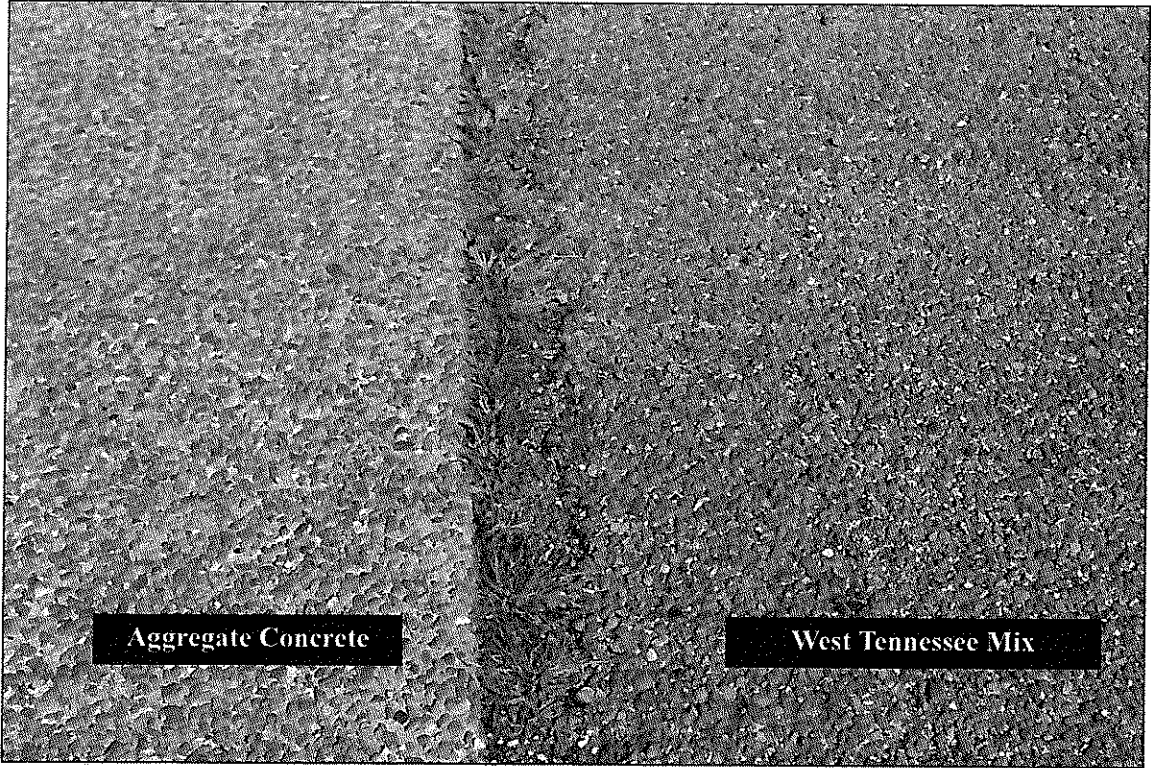
The Engineering and Parks Department recommends allowing the resurfacing to take place this fiscal year due to the current problems associated with the surfacing and ongoing maintenance costs. This item was brought before the Capital Investment Committee on March 26, 2014.



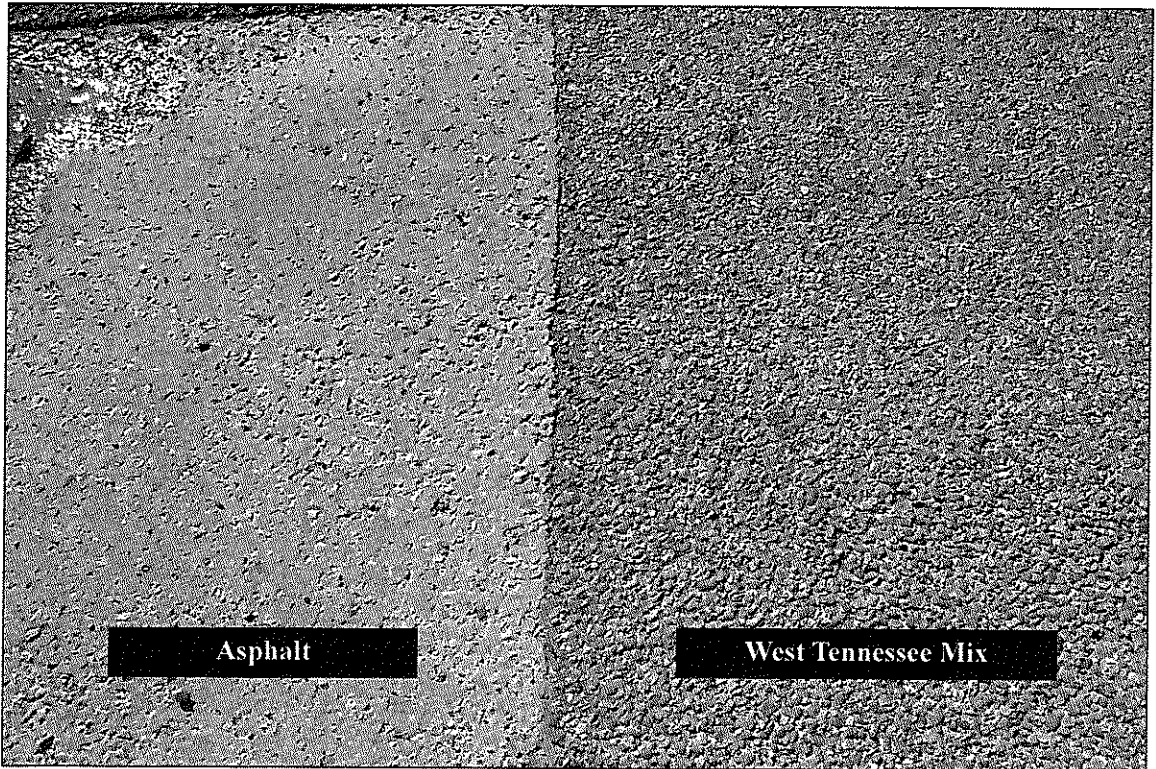
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