



CITY OF WASHINGTON, ILLINOIS
Public Works Committee Agenda Communication

Meeting Date: May 1, 2023

Prepared By: Dennis Carr, P.E. – City Engineer

Agenda Item: Pressure Paving

Explanation: Staff budgeted \$250,000 for a pavement maintenance project. The maintenance itself was still being discussed at the staff level when Donelson reached out to discuss taking another chance with pressure paving, but this time on a road that can handle their heavy truck traffic. The Shellbark project was not a raving success due to the structural capacity of the road not being able to support a fully loaded tandem truck. Donelson is doing a large project in Bloomington and let me know that because of that, the mobilization cost would not be included. They would like to give a true representation of their product. While they normally wouldn't want to mobilize into town for less than \$500,00, they would make an exception because of the work in Bloomington being so close.

Option 1:

Staff has identified two roadways that will be included in next years MFT project as Hot In-Place recycling candidates that could be done for under \$250,000. Those two roads would be Santa Fe and Jagens Way. Pressure paving them this year removes them from next years program, which can then be expanded to include a few more roads.

Option 2:

Pressure Pave Devonshire, and N. Wilshire instead of Hot-In Place Recycling in the current MFT Project. Pressure pave Comfort, Easy and Breeze. By removing Devonshire and Wilshire we can Hot-In Place Recycle Westgate. By removing the chip seal from Wilshire and Devonshire, we can add Belford, Dorchester, Wellington, Fountaindale, and Stonehenge to the Chip Seal list for this year. Quantity changes should stay within tolerance for IDOT.

Option 1 is the easiest and most straightforward option as it leaves this years MFT project alone. The condition of Jagens and Santa Fee are worse than that of Comfort and Easy. However, Option 2 puts pressure pave down on multiple roads that see varying traffic under varying traffic conditions. Option 2 would give us the best look at the product and where it's sweet spot might be in the future.

Fiscal Impact: Staff budgeted \$250,000 for roadway maintenance.

Recommendation Summary: Staff recommends approving Donelson to mobilize into town and perform up to \$250,000 in pressure paving work for the City. Staff would also recommend on Option 2 if UCM and Advanced Asphalt recycling are willing to swap roads in the MFT Project. If UCM and Advanced are unwilling to adjust the 2023 MFT Project, then staff would recommend Option 1.

Action Requested: Approval



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ESTIMATE

April 28, 2023

Various Street Sections

Dennis Carr
City of Washington
301 Walnut Street
Washington, IL 61571

Donelson Construction Co., LLC is pleased to provide the following quote for the installation of our patented Modified Aggregate Quick Set (MAQS®) Surfacing and PressurePave® Systems. The prices include all labor equipment, materials and traffic control.

The unit prices for the separate materials are as follows (per yd2):

MAQS®-2 w/PressurePave® \$10.85

Various Street Sections		Yd2:	23,000
MAQS®-2 w/PressurePave®	\$249,550.00		
Total	\$249,550.00		

GRAND TOTAL: \$249,550.00