

CITY OF MARSHALL AGENDA ITEM REPORT

Presenter:	Jason Anderson																																																				
Meeting Date:	Tuesday, April 8, 2025																																																				
Category:	NEW BUSINESS																																																				
Type:	ACTION																																																				
Subject:	Project ST-001-2025: Chip Sealing on Various City Streets - Consider Authorization to Advertise for Bids																																																				
Background Information:	<p>The estimated total project cost is approximately \$154,422 including all streets shown below (excluding “Alternate Streets”). The 2025 Street Department budget includes a \$165,000 line item for this project.</p> <table><tr><th colspan="4">BASE BID STREETS</th></tr><tr><th>Street</th><th>From-To</th><th>Street</th><th>From-To</th></tr><tr><td>South Whitney Street</td><td>East College Drive to Jean Street</td><td>East Redwood Street</td><td>A Street - River</td></tr><tr><td>Ellis Avenue</td><td>Windstar Street to South end of Stonebridge</td><td>East Redwood Street</td><td>A Street - Lyon Street</td></tr><tr><td>Slate Street</td><td>Ellis Avenue to Diamond Drive</td><td>Jean Street</td><td>East Redwood Street - Whitney Street</td></tr><tr><td>Diamond Drive</td><td>Windstar Street to Granite Street</td><td>B Street</td><td>East Main Street - East Redwood Street</td></tr><tr><td>Travertine Street</td><td>Ellis Avenue to Diamond Drive</td><td>East Lyon Street</td><td>A Street - Lyon/C Street</td></tr><tr><td>Granite Street</td><td>Ellis Avenue to Diamond Drive</td><td>O'Connell Street</td><td>Sherman Avenue - Mall Street Entrance</td></tr><tr><td>A Street</td><td>Main Street - Marshall Street</td><td>Victory Drive</td><td>Tiger Drive - Commencement Blvd.</td></tr></table> <table><tr><th colspan="4">ALTERNATE STREETS</th></tr><tr><th>Street</th><th>From-To</th><th>Street</th><th>From-To</th></tr><tr><td>Lake Road</td><td>Michigan Road - T.H. 68</td><td>Michigan Road</td><td>MERIT Center Gravel Road - Atlantic Avenue</td></tr><tr><td>Michigan Road</td><td>North T.H. 59 - Merrit Training Road</td><td></td><td></td></tr></table> <p>The purpose of the annual chip seal program is to help prolong the life of our bituminous streets. Over time, an untreated bituminous surface that is exposed to air, sun, and water will immediately begin to lose its flexibility. Once a bituminous surface loses flexibility, it begins to crack due to the changing pavement temperatures due to warm summers and cold winters. The cracks then allow for the infiltration of water, and the ever-increasing number of winter freeze-thaw cycles causes these cracks to break and turn into potholes.</p> <p>City staff continue to keep an eye on the research for other, possibly better alternatives to the chip seal for regular bituminous roadway preventative maintenance. There are other very promising products being tested right now, and staff will continue to evaluate the usage of these other products and processes. At this point in time, the chip seal remains as the most widely used and widely accepted method for prolonging pavement life. In coordination with pavement crack sealing, we believe that the chip seal can extend the life of our pavements. Chip sealing costs approximately \$40,000 per mile for a typical Marshall street width, while a mill and overlay costs approximately \$275,000 per mile.</p>	BASE BID STREETS				Street	From-To	Street	From-To	South Whitney Street	East College Drive to Jean Street	East Redwood Street	A Street - River	Ellis Avenue	Windstar Street to South end of Stonebridge	East Redwood Street	A Street - Lyon Street	Slate Street	Ellis Avenue to Diamond Drive	Jean Street	East Redwood Street - Whitney Street	Diamond Drive	Windstar Street to Granite Street	B Street	East Main Street - East Redwood Street	Travertine Street	Ellis Avenue to Diamond Drive	East Lyon Street	A Street - Lyon/C Street	Granite Street	Ellis Avenue to Diamond Drive	O'Connell Street	Sherman Avenue - Mall Street Entrance	A Street	Main Street - Marshall Street	Victory Drive	Tiger Drive - Commencement Blvd.	ALTERNATE STREETS				Street	From-To	Street	From-To	Lake Road	Michigan Road - T.H. 68	Michigan Road	MERIT Center Gravel Road - Atlantic Avenue	Michigan Road	North T.H. 59 - Merrit Training Road		
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	At the Public Improvement/Transportation Committee meeting on 03/25/2025, motion by Schafer, second by Lozinski to recommend a <u>one-year pause</u> on the chip seal project. All voted in favor. The motion passed 3:0.
Fiscal Impact:	The estimated total project cost is approximately \$154,422 including all streets shown above (excluding "Alternate Streets"). The 2025 Street Department budget includes a \$165,000 line item for this project.
Alternative/ Variations:	that the Council does not authorize the chip sealing project for 2025, in accordance with the recommendation of the Public Improvement/Transportation Committee.
Recommendations:	that the Council authorize advertisement for bids for Project ST-001-2025: Chip Sealing on Various City Streets.