



Legislation Text

File #: 22-4817, **Version:** 1

Resolution - A Resolution Awarding a Construction Contract for Asphalt Overlays of East Broad Street (Matlock Road to Fire Station #3) and Mansfield Webb Road to Texas Bit, Authorizing and Directing the City Manager to Execute Contract Documents; and Authorizing Funding for an Amount Not to Exceed \$450,000.00 (Street Operations Department Maintenance Budget - General Fund)

Consider the Resolution awarding a construction contract for asphalt overlays of East Broad Street (Matlock Road to Fire Station #3) and Mansfield Webb Road to Texas Bit, authorizing and directing the City Manager to execute contract documents; and authorizing funding for an amount not to exceed \$450,000.00.

The Public Works Staff recommends approval of the Resolution.

East Broad Street from Matlock Road to SH 360 has experienced pavement degradation and poor ride quality over the past several years. To remedy this degradation and to expand traffic capacity, various sections of E. Broad are included on the 5-year Roadway Capital Improvement Program for reconstruction. The section from Fire Station #3 to SH 360 is scheduled for full reconstruction in 2024 but the section from Matlock Road to Fire Station #3 is not scheduled for construction until 2027.

To improve ride quality and to preserve the pavement integrity for the next 5 years an asphalt overlay of the existing concrete pavement is proposed for the section of E. Broad Street from Matlock Road to Fire Station #3. Because the section of E. Broad Street from Fire Station #3 to SH 360 is scheduled for construction in next 2 years, an overlay of this section would not be cost effective.

The concrete portion of Mansfield Webb Road at Matlock Road has also significantly degraded. This narrow width of the roadway (37 feet) does not allow for concrete panel replacement without significantly increasing congestion and delay for an extended period of time on both Mansfield Webb Road and Matlock Road. The asphalt overly is able to be applied quickly, with relatively low cost and will limit traffic disruption.

The proposed asphalt overlays are the same material that has been placed on westbound Broad Street between Matlock Road and Cannon Drive and has also been used to overlay the concrete pavement on Heritage Parkway and National Parkway. This material is more flexible than standard asphalt and has held up very well in these locations. From the previous performance of the product the anticipated life space is 5 years.

The material that will be used has a patent and the supplier has an exclusive manufacturing and supply agreement with Texas Bit. The requested approval of funds are for a construction contract with Texas Bit in the amount of \$429,945.80 which includes \$183,337.80 for E. Broad Street between Matlock and Miller, \$191,291.85 for E. Broad Street between Miller to Fire Station #3 and \$55,316.15 for Mansfield Webb Road. A contingency of \$20,054.20 (4.7%) is also requested to cover any

additional unforeseen repairs to complete the project. This project will be accomplished within a budget not to exceed \$450,000.00. The cost of the restriping and any additional traffic control will come from the Street Operations Department Maintenance Budget. It is estimated the work will be completed by mid-September 2022.

Council expressed an interest in prioritizing this section of East Broad Street for immediate attention. There are funds available in the 2022 Street Operations maintenance budget due to the limited concrete repair efforts this summer. The asphalt overlays of existing concrete on the proposed roadways will extend the pavement life while improving the ride quality.

Texas Bit has successfully completed many projects within the City of Mansfield in the past. The Public Works Department believes that Texas Bit has the necessary staff and equipment to successfully complete the project.

The Assistant Director of Public Works - Transportation, will be in attendance to answer Council's questions regarding the proposed project.

(Street Operations Department Maintenance Budget - General Fund)

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