



STAFF REPORT
10/9/2024

TO: Honorable Mayor and City Council Members

FROM: Andrew Simmons, P.E., City Engineer

SUBJECT: Approve plans and authorize staff to bid and authorize appropriation of \$3,000,000 from General Fund for the Avenue 52 Pavement Rehabilitation Project, City Project Number ST-139

STAFF RECOMMENDATION:

- Approve plans and engineer's estimate and authorize staff to bid the Avenue 52 Pavement Rehabilitation Project;
- Authorize appropriations from General Fund in an amount of \$3,000,000 for the Avenue 52 Pavement Rehabilitation Project, City Project Number ST-139.

BACKGROUND:

In November 2023, a citywide pavement condition evaluation was conducted and a pavement condition database was created. Both public and internal Street network GIS maps were implemented and a Final Pavement Management Report was adopted by the City Council. The results of these efforts show that the average Pavement Condition Index (PCI) of the City's roads is 63.4 out of 100, corresponding to a "Fair" condition rating. The 10-year investment scenario forecasting analyses suggest that the City would need to invest an average of \$4.6 million annually to maintain a network average PCI of 63.4.

This report includes details about the methodology used for pavement evaluations, pavement management system implementation details, and the results of six 10-year investment scenario forecasting analyses that the City can use to prepare informed pavement maintenance and rehabilitation projects.

DISCUSSION/ANALYSIS:

Based on the pavement management system, the section of Avenue 52 from Tyler Street to the Whitewater Bridge has PCI ratings that range from 6-55 that correspond to very poor, serious and failed conditions. Due to the extent of deterioration the rehabilitation project will require a full depth removal and replacement. This proposed project includes the full depth removal and replacement of asphalt pavement on Avenue 52 from Tyler Street to the Whitewater Bridge as well

as replacement of damaged and failing concrete improvements and installation of missing gap sidewalk. Construction items include but are not limited to:

- 280,000 Square Feet of full depth replacement asphalt
- 2,050 Linear Feet of rehabilitated curb and gutter
- 2,123 Linear Feet of new 6 foot wide sidewalk
- 767 linear feet of retaining curb
- 4 new ADA compliant commercial driveways
- Replacement of failing concrete cross gutters
- Adjustment and repair of all utility manholes as needed.

The total estimated cost for the above items including all ancillary construction items and including surveying, construction management and contingency fees is three million dollars (\$3,000,000) Contingent upon approval to advertise and appropriation of funds the project will be put out to bid in the fall of 2024. The entire project would be brought back to City Council for the award of the construction contract and approval of a final budget based on the lowest responsive bid price. Based on the above schedule, it is anticipated that the full construction could be completed during the winter season of 2025.

FISCAL IMPACT:

The project is currently not included in the Capital Improvement Program (CIP) Budget. With this action, Council would be appropriating \$3,000,000 from General Fund.

ATTACHMENTS:

1. Vicinity Map
2. Plans