



City of Pflugerville

Legislation Text

File #: 2020-8542, **Version:** 1

Approving a supplemental agreement with Halff Associates, Inc. in the amount of \$197,256.00 for professional engineering services associated with the Heatherwilde Subdivision Pavement Rehabilitation Project as part of the 2020 Pavement Maintenance Program and authorizing the City Manager to execute same.

The scope of work for this project includes geotechnical investigation, pavement design, preliminary engineering analysis, and construction plan and specification preparation for the Heatherwilde Subdivision Pavement Rehabilitation Project. The proposed design includes pavement rehabilitation for the eleven roadways listed below totaling approximately 13,930 linear feet.

Acanthus St (From Pfennig Ln to Laurelleaf Dr): 1850'
Black Willow St (From Acanthus St to Laurelleaf Dr): 285'
Blue Willow Ct (Full Limits): 300'
Gazania Dr (From Pfennig Ln to Black Locust Dr): 2000'
Hughmont Dr (From Pfennig Ln to Black Locust Dr): 2050'
Laurelleaf Dr (From Pfennig Ln to Black Locust Dr): 1850'
Mayapple St (From Hughmont Dr to Swenson Farms Blvd): 900'
Sweetwood Song Dr (From Heatherwilde Blvd to Ganzia Dr): 960'
Wild Orchard Dr (From Acanthus St to Laurelleaf Dr): 335'
N. Heatherwilde Blvd (From Pecan St to Pfennig Ln): 3400'

On February 11, 2020, the City Council was presented, discussed and approved the 2019 Pavement Management Services Pavement Condition Report. During the meeting, several maintenance/preservation funding scenarios were presented and an optimum distribution of the 20% preservation and 80% rehabilitation was recommended. The City Council has allocated \$1,600,000 in the FY 2020 budget from Street Maintenance (Contracted) and \$150,000 for crack sealing under Maintenance Contracts. In addition to this proposed Heatherwilde Subdivision Pavement Rehabilitation Project, the City is also proposing to contract HA5 Treatment, a high-density mineral bond uniquely emulsified with a near neutral charge that is able to hold a proprietary blend of fine aggregates, for pavement preservation. The contract for the HA5 Treatment is also included on the agenda for City Council consideration.

In identifying the rehabilitation projects for the 2020 Pavement Maintenance Program, Staff reviewed the Overall Condition Index (OCI) map from the 2019 Pavement Management Services Pavement Condition Report, which is a combination of the Pavement Condition Index (PCI) and the International Roughness Index (IRI). The neighborhood street reconstruction projects that are currently proposed as part of the 2020 bond election were removed from consideration for the 2020 Pavement Maintenance Program. The OCI values for the streets chosen and included as part of this

Heatherwilde Subdivision Pavement Rehabilitation Project range from fair to poor condition, requiring rehabilitation.

Once the geotechnical evaluation and preliminary engineering analysis are complete, a cost estimate will be completed and aid in determining which roadways will be included in the 2020 Pavement Maintenance Program. Construction plans will be prepared for all roadways and split into separate phased packages as necessary. The 2020 rehabilitation project is anticipated to be designed and go out to bid by the end of August 2020. Award of a construction contract is planned for City Council consideration on September 22, 2020.

This project will be designed in accordance with the City of Pflugerville's 2015 Edition of the Uniform Development Code and 2015 Edition of the Engineering Design Guidelines & Construction Manual.

Prior City Council Action

On February 11, 2020, City Council approved the 2019 Pavement Management Services Pavement Condition Report.

Deadline for City Council Action

Action is requested on July 28, 2020.

Funding Expected: Revenue Expenditure N/A

Budgeted Item: Yes No N/A

Amount: \$197,256

1295 Form Required? Yes No

Legal Review Required: N/A Required Date Completed:

Supporting documents attached:

Supplemental Agreement No. 5 to a contract for Professional Services between the City of Pflugerville, Texas and Halff Associates, Inc.
Presentation Slides

Recommended Action

Approve the Supplemental Agreement No. 5 between the City of Pflugerville, Texas and Halff Associates, Inc. for Professional Engineering Services as it pertains to the Heatherwilde Subdivision Roadway Rehabilitation Project as part of the 2020 Pavement Maintenance Program and authorizing the City Manager to execute same.