



City of Pflugerville

Legislation Text

File #: 2020-8267, **Version:** 1

Approving a professional services supplemental agreement with DKS Associates, in the amount of \$129,880.00 for professional engineering services associated with the Kelly Lane Major Investment Study (MIS) Phase 4 and authorizing the City Manager to execute same.

The goal of the Kelly Lane Major Investment Study is to evaluate mobility and recommend mitigations to congested roadways and intersections in the northeast area of the City of Pflugerville. The study has been split into several Phases to accelerate portions of the study area to address immediate concerns of the City and its citizens.

Phase 1 focused on Kelly Lane from west of the FM 685/Wilke Lane/Kelly Lane interchange to Weiss Lane, including the portion of Weiss Lane from Kelly Lane to Hodde Lane/Cele Road. This Phase specifically addressed mobility in the short-term (within a year) and near-term (within the next 5 years), with the understanding that the widening of Kelly Lane from just east of Falcon Pointe Boulevard (west) to east of Jakes Hill is currently under design. Widening of Kelly Lane from Jakes Hill to Weiss Lane is planned, but not currently funded.

Phase 2 is focused on addressing operations at the FM 685 / Wilke Lane / Kelly Lane and FM 685 / Copper Mine Drive interchanges for the near-term (2025) and long-term (2045). These two interchanges are consistently congested during the AM and PM peaks, and are only projected to get worse as the north part of the City builds out. Without improvements to these interchanges to increase / improve mobility, the development potential of the area will be impacted, and long queues and poor operation are expected.

Phase 3, traffic counts along Town Center Drive between FM 685 and Pfluger Farm Lane, were collected before Phase 4 was executed as it was important to collect traffic counts and observations before construction began for the next phase of the Typhoon Texas water park. Construction at the FM 685 / Town Center Drive intersection would likely have impacted traffic patterns, and counts would not have been representative of typical conditions.

Phase 4 will focus specifically on mobility along the following roadways:

- Town Center Drive: Pfluger Farm Lane to FM 685
- Pfluger Farm Lane (future extension to the north): Town Center Drive to Wilke Lane (SH 45)

The traffic study will include use of passive data set origin-destination (OD) data, travel demand modeling and mesoscopic modeling, testing of various intersection and/or roadway improvements, and recommendation of near-term (2025) and long-term (2045) mitigations to address congestion

(Level of Service D or better) in northeast Pflugerville. The Town Center Drive and Pflugger Farm roadways are important to analyze in conjunction with the FM 685 / Wilke Lane / Kelly Lane and FM 685 / Copper Mine Drive interchanges because of their impact on travel patterns and circulation.

Prior City Council Action

City Council approved a professional services supplemental agreement with DKS for the Kelly Lane MIS Phase 2 at the October 8, 2019 meeting.

Deadline for City Council Action

Action is requested on April 14, 2020.

Funding Expected: Revenue Expenditure N/A

Budget Item: Yes No N/A

*This capital improvement study is funded through Traffic Impact Analysis (TIA) funds.

Amount: \$129,880.00

1295 Form Required? Yes No

Legal Review Required: N/A Required Date Completed: 04/03/2020

Supporting documents attached:

Professional Services Supplemental Agreement

Recommended Action

Approve a professional services supplemental agreement with DKS Associates, in the amount of \$129,880.00 for professional engineering services associated with the Kelly Lane Major Investment Study (MIS) Phase 4 and authorizing the City Manager to execute same.