



## MEMORANDUM

**To:** Mayor and City Council

**From:** Ken Griffin, P.E., Director of Engineering and Public Works

**Date:** March 27, 2018

**Reference:** Parkway Blvd. Design Contract Amendment #1

**2030:** Sustainable City Government, Goal 3  
Excellent and Well-maintained City Infrastructure and Facilities

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### General Information:

- 2011 Fugro Pavement Management Study identified Parkway Blvd. as needing repair.
- 2015 the City engaged in a bicycle master plan and Parkway Blvd was identified as a critical route.
- July 28, 2015 Council awarded the Design contract to J Volk for \$293,000.
- The Engineering and Parks Department hosted public meetings with citizens concerning bikeways/trails/sidepaths along Parkway Blvd.
- June 13, 2017 Staff presented Council with a final concept for Parkway Blvd. that includes an 8' sidepath on the north and a 6' sidewalk on the south.
- With this contract amendment additional services to be performed are:
  - Basic Design Fee Adjustment \$23,500
  - Additional Preliminary Planning \$ 8,500
  - Design Change – Heartz to Lodge \$21,500
  - Design Change – Lodge to Moore \$16,500
  - Add Median Street Lighting \$28,500
  - Add Medina Landscaping \$25,000
  - Subsurface Utility Engineering \$14,400
  - Additional Geotech Borings \$ 3,500
  - Easement Preparation\* \$37,200 \*if necessary

### Introduction:

On June 13, 2017, City Council was updated on the concept of providing additional non-motorized facilities along the Parkway Blvd. corridor from MacArthur Blvd. to Cowboy Dr. The proposed plan included an 8' sidepath on the north side of the road and widening the sidewalks on the south side from 4' to 6' wide where available.

The original design contract was awarded on July 28, 2015 to J. Volk Consulting, Inc. The original design called for removal and replacement (same place) of the concrete paving from Hartz Rd. to Alex Rd. on the north side only, Alex Rd. to Lodge Rd. both north and south side and various crack sealing and spot repairs on Parkway between Cowboy Dr. and MacArthur Blvd. The original design contract also included replacement of the water and wastewater lines and reviewing the existing drainage system.

#### **Analysis:**

The reconstruction of a portion of Parkway Blvd. has been planned since 2015 when Council awarded a design contract to J. Volk Engineering. After the award of the design contract there were numerous meetings and discussions regarding non-motorized facilities along the corridor. At the July 13, 2017 Council meeting a consensus of the final schematic was presented. After discussions with the engineer, it was determined that the project had exceeded the original scope. Outlined below are each of the areas where the scope is different:

**Basic Design Fee Adjustment of \$23,500.** The original contract was awarded in July of 2015 since that time the cost of services has increased. The work of the engineer was placed on hold while numerous public meetings were held. Now that the project is restarting, the actual labor cost has increased.

**Additional Preliminary Planning of \$8,500.** This is to cover the work that was performed creating cross sections and schematics for the public meetings.

**Design Change – Hartz to Lodge of \$21,500.** The original scope included reconstruction of Parkway Blvd. from Hartz to Alex on the north side only and designing the roadway in the same configuration as it is today. Because the additional sidepaths and lane narrowing changes how the engineer approaches the design, it was Staff's opinion that it was necessary to include the reconstruction of Parkway Blvd. from Hartz to Alex on the south side as well. This allows us flexibility in modifying the median and lane widths to accommodate the sidepaths.

**Design Change – Lodge to Moore of \$16,500.** This is to design the additional sidepath along the north side of the road and a 6' sidewalk along the south side. This extends the limits of the original design contract.

**Add Median Street Lighting of \$28,500.** This is to continue the lighting package that we have along Denton Tap Rd. and Sandy Lake Rd. This would add the decorative lights from the intersection of Parkway Blvd. and Denton Tap Rd. to Lodge and Parkway Blvd. This was not included in the original design.

**Add Median Landscaping of \$25,000.** Along with the additional street lighting, this would add landscaping like Denton Tap Rd. and Sandy Lake Rd. from the intersection of Parkway Blvd. and Denton Tap Rd. to Lodge and Parkway Blvd. This was not included in the original design.

**Subsurface Utility Engineering(SUE) of \$14,400.** Since the original design contract award in 2015, the city has seen significant benefit to utilizing SUE. This will be utilized to identify underground utilities more accurately than general field survey. Considering the replacement of water and wastewater lines and additional drainage facilities anticipated, this SUE work will potentially save us time and headaches during construction.

**Additional Geotech Borings of \$3,500.** The additional sidepath from Lodge to Moore on the north side requires borings outside the original project limits.

**Easement Preparation of \$37,200.** It was identified after the survey work was completed that there are potentially 31 easements that are necessary for the completion of the project. Staff plans to work with the engineer and see if design changes can be made without the easements. There are some that are necessary for curb ramps at the intersections. A majority of the potential easements fall in an area where the City already has sidewalk that was constructed by the original homebuilder but it was outside the public right of way.

A more detailed description of each of the scope changes is provided in the attached Contract Amendment No. 1.

**Legal Review:**

The City's standard construction contract has been reviewed by legal periodically, with changes made as requested.

**Fiscal Impact:**

The fiscal impact of this Agenda item is \$178,600 for the additional work necessary to design the project.

**Recommendation:**

The Engineering Department recommends approval of the proposed Contract Amendment #1 with J. Volk Consulting, Inc. in the amount of \$178,600.