

Legislation Text

File #: BILL NO. 22-131, **Version:** 1

An Ordinance awarding the bid for Project No. 794 for the Curb Repair FY23 Program to Phoenix Concrete & Underground, LLC, in the amount of \$2,637,383.38, and authorizing the City Manager to execute an agreement for the same. (PWC 6/13/22)

Issue/Request:

An Ordinance awarding the bid for Project No. 794 for the Curb Repair FY23 Program to Phoenix Concrete & Underground, LLC, in the amount of \$2,637,383.38, and authorizing the City Manager to execute an agreement for the same.

Key Issues:

- The annual Curb Repair Program replaces damaged and deteriorated curb on some of the streets scheduled for overlay the following fiscal year and updates sidewalk approaches to current specifications as required by the Federal Americans with Disabilities Act
- The Curb Repair FY23 Program will replace 84,310 lineal feet (nearly 16 miles) and renovate 115 sidewalk ramps (hereinafter "Project No. 794").
- Project No. 794 is funded by the Transportation Sales Tax Fund and supplemented with the 2017 CIP Sales Tax Renewal.
- PWE issued an advertisement for bids for the construction of Project No. 794 on May 11, 2022, guided by local policies and state statutes.
- Phoenix Concrete & Underground, LLC (hereinafter "Contractor") was determined to be the lowest and best bidder by City staff.
- The City desires to enter into an agreement with the Contractor to construct Project No. 794.

Proposed Council Motion:

FIRST MOTION: I move for a second reading of an Ordinance awarding the bid for Project No. 794 for the Curb Repair FY23 Program to Phoenix Concrete & Underground, LLC, in the amount of \$2,637,383.38, and authorizing the City Manager to execute an agreement for the same.

SECOND MOTION: I move for adoption of an Ordinance awarding the bid for Project No. 794 for the Curb Repair FY23 Program to Phoenix Concrete & Underground, LLC, in the amount of \$2,637,383.38, and authorizing the City Manager to execute an agreement for the same.

Background:

The primary purpose of the annual Curb Repair Program is to replace deteriorating curb and gutter on streets scheduled to be part of the City's Overlay program the following year and updates sidewalk approaches to current specifications as required by the Federal Americans with Disabilities Act. The City has been replacing curb in this manner for over 20 years.

Much of the curb and gutter placed in the KC Metro between 1985 and 2008 was installed using local limestone aggregate that was of poor quality because it was relatively soft compared to previous sources of limestone rock. The frequent and harsh freeze-thaw cycling, combined with wet conditions, accelerated the concrete failure process "D-cracking" that disintegrates concrete from the inside out. The soft limestone absorbs water. As the water freezes, it expands and cracks the aggregate and concrete from the inside out. This process took several years to surface, and then some time later the concrete industry and builders adopted new codes, etc.

The aggregate still met local specifications at that time, and worked well for buildings, foundations and most structures. However, when used for paving, curb and sidewalks, the aggregate was prone to fail within 10 years. The limestone aggregate in concrete was replaced by durable aggregates for capital projects in 2004. New development was not required to use durable aggregates until 2009.

The need for the annual curb program has been driven by the need to replace over 612 miles (3.23 million linear feet) of curb installed from about 1985 through 2008. The City started replacing small pieces of curb around 1998. The curb failure became widespread around 2000-2003, so larger curb replacement programs began in 2004 to address the need with the resources available. The combination of annual curb programs plus a \$12 million bond issue from 2004 to present have replaced approximately to 291 miles of curb, which has replaced about 48% of the curb expected to need replacement.

Curb replacement triggers the requirement to install or improve curb ramps to create accessible routes that are compliant with the Americans with Disabilities Act. Ensuring the ramps properly connect to sidewalks, it is also necessary to remove and replace some sidewalk at some locations, so that work is included in this project.

The volume of work over this time has, on rare occasions, caught up with the overlay program. This year happens to be the third time in 20 years that the annual Curb Repair Program includes spot curb and gutter replacement on streets not tied to next year's overlay plans. This year's program will be focused in residential neighborhoods, replacing 84,300 lineal feet (11.5 miles) of curb, replacing 14,700 square feet of sidewalk, and renovating 108 curb ramps.

Impact/Analysis:

Public Works Engineering advertised for bids for Project No. 794 on May 11, 2022. Potential bidders were notified through QuestCDN, the City website, and a mass email notification. Two (2) responsive bids were received by the June 1, 2022, bid opening date. The bids were evaluated, and City staff determined Phoenix Concrete & Underground, LLC, to be the lowest and most responsible bidder. The recommended bid is approximately 5.5% lower than City staff's estimate.

Timeline:

Start: mid-July

Completion: mid-November

Michael Park, Director of Public Works

Staff recommends approval.

Committee Recommendation:

The Public Works committee voted unanimously 4-0 to recommend to City Council approval an Ordinance awarding the bid for Project No. 794 for the Curb Repair FY23 Program to Phoenix Concrete & Underground, LLC, in the amount of \$2,637,383.38, and authorizing the City Manager to execute an agreement for the same.