



MEMORANDUM

To: Liz Lopresti, Purchasing Manager
From: Jody Hooks, Director of Public Works *JH*
CC: Bo Bass, Assistant City Manager
Kayla Davis, Grant Administrator
Date: 5/18/2022
Re: Support Justification for Bid No. 22-019 Mini Excavator

The City of League City recently received two bid submissions in response to Bid No. 22-019 from Mustang CAT (Model: 308 07A CR MHE CF15C - \$158,237.75) and Bobcat (Model: E88 R2-Series Bobcat Compact Excavator - \$118,631.99). The Mustang Cat submission met all specification requirements, while the Bobcat submission did not meet the following two critical functionality features:

- 1) **Variable Angle Boom** – The primary purpose for this mini excavator is to access remote areas of the City's earthen drainage system that are not conducive to the utilization of standard sized equipment. These areas often include confined workspace with limited clearance from established trees and vegetation, and residential properties with applicable easements. The variable angle boom allows the operator to position the excavator in the centerline of the ditch and perform flowline and slope maintenance in low-clearance situations. The operator can vary the angle of the boom to shape and maintain proper slope ratio, while working from this centerline position.
- 2) **Wide Low Ground Pressure Steel Tracks** - This critical feature provides the necessary traction and weight distribution for working in wet-bottom drainage ditches. Excavators without this feature will sink into water saturated soils and reduce or stop the mobility. Mustang CAT submitted a 600 mm (23.6 inches) wide track vs. Bobcat's 450 mm (17.7 inches) track width.