

INDIAN RIVER COUNTY, FLORIDA MEMORANDUM

TO: Jason E. Brown, County Administrator

FROM: Richard B. Szpyrka, P.E., Public Works Director

SUBJECT: Award of Procurement for Thermoplastic Pavement Marking Application System

DATE: May 27, 2021

DESCRIPTION AND CONDITIONS

Indian River County Public Work’s thermoplastic pavement marking application system (System) is thirteen years old and has reached end of life. The equipment has experienced a number of breakdowns and is cost prohibitive to maintain. The replacement of the System is programmed in the fiscal year 2020-2021 budget.

The System is used by Traffic Operations Staff to refurbish and install new pavement markings. The System consists of two 1,500 pound air jacketed pre-melter tanks, gate lift, LED arrow-board, and walk behind thermoplastic applicator. The System is mounted on a 14,000 pound capacity trailer.

The new System will pre-heat the thermoplastic with diesel fired burners. The existing system utilizes propane fired burners. The change in pre-heater fuel type will improve productivity as it allows staff to refuel the System on an as needed basis without waiting for a third party vendor to refuel the pre-heater’s propane tank.

Quotes were obtained for the walk behind applicator (a.k.a. hand-liner) and also for the permanently affixed trailer mounted System components. The quotes are as follows and are available for review in Public Works Traffic Engineering:

Walk behind applicator (a.k.a. hand-liner):

- Traffic Supplies and Distribution \$7,360.00
- Striping Supply Services Inc. \$9,256.25
- Florida Transcor, Inc. \$16,678.00
- Centerline \$18,145.00
- Trantex \$19,550.00

Permanently affixed trailer mounted components:

- M-B Companies Inc. \$72,015.30
- Striping Supply Service Inc. \$73,095.00
- Florida Trancor, Inc. \$82,050.00
- Centerline \$85,965.00
- Trantex \$92,685.00

The system is a not an off the shelf purchase as the System is custom designed and fabricated. Purchasing Staff researched the use of cooperative contracts to procure the System, but was not successful. While obtaining quotes for the system, staff found that a cost savings could be obtained by obtaining quotes for the two major components of the system. Since the total of the two major components are above the County Administrators approval limit, staff is presenting this to the Board for action.

FUNDING

Funding for the System in the amount of \$79,375.30 is available in the 2020-2021 Traffic Engineering Other Machinery and Equipment Account #11124541-066490.

RECOMMENDATION

Staff recommends the Board of County Commissioners approve the purchase of the Thermoplastic Pavement Marking Application System in the amount of \$79,375.30 and authorize the Purchasing Division to issue a Purchase Order to Traffic Supplies and Distribution in the amount of \$7,360.00 for the walk behind applicator. Staff also recommends the Board authorize the Purchasing Division to issue a Purchase Order to M-B Companies Inc. in the amount of \$72,015.30 for the permanently affixed trailer mounted System components, after final review and approval of any mutually accepted terms and conditions by the County Attorney as to form and legal sufficiency.

Agenda Item for June 8, 2021