



TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: September 3, 2014

TITLE: Motion to award a contract for streetbond asphalt coating– Invitation to Bid
(ITB) 542-11419 - \$1,133,221.08

Recommendation

It is recommended that the City Commission award a contract for the purchase of streetbond asphalt coating to MBR Construction, Inc. utilizing the City’s Contract (Form P-0001) in the amount of \$1,133,221.08.

Background

The Transportation and Mobility Department is requesting that the City Commission award a contract for resurfacing nine City parking lots with solar reflective coating. The nine lots are Cooley’s Landing, Heron Lot, Venice Lot, Pelican Lot, Nautical Lot, DC Alexander Lot, George English Lot, 27th Street Lot and Vista Park Lot.

Solar reflective coating systems are designed to provide the following benefits:

- Strengthens the asphalt base and lengthening the life of the asphalt beyond its normal range.
- Reduces heat absorption by 60%.
- Helps qualify for Leadership in Energy and Environmental Design points and green parking certification.

ITB 542-11419 was opened on May 27, 2014 with three bids received. Atlantic Paving Company submitted a bid for an alternative product called “streetbrick.” The bid for “streetbrick” was disqualified as an approved alternative product to the streetbond product for the following reasons:

1. The adhesion failures are not equivalent (streetbond: substrate failure; streetbrick: cohesive failure).

Substrate failure means that if the adhesion of the product to the asphalt begins to fail the separation will occur between the coating and the asphalt. With cohesive

failure the adhesion to the asphalt will begin to break up within the coating and then separate from the asphalt. It is more common for cohesive failure to occur before substrate failure. This is a major difference that separates the two products. Substrate failure is the more acceptable failure in the industry.

2. The friction of the coating when wet is not equivalent (streetbond: 73; streetbrick: 72).

Friction Coating provides anti slip protection for pedestrians and wet weather stopping distance up to 35 % for vehicles. The difference between rating points is 5% in the amount of resistance. Although the difference may be small numerically between the two products, the higher rating is more beneficial to the City and its neighbors for safety reasons.

After researching the differences between the two products, it was determined that streetbrick is not an approved equivalent product to streetbond; therefore, Atlantic Paving Company has been deemed non-responsive. The bid submitted by MBR Construction, Inc. has met all requirements of the bid specifications and has been deemed the lowest cost, responsive and responsible bidder.

Resource Impact

There will be a fiscal impact to the City in the amount of \$1,133,221.08. The available balance in the chart below reflects the amount remaining after the removal of pre-encumbrances established for this purchase. Pre-encumbrances are included on requisition RQ141405025 in the estimated bid amount of \$1,177,400.

Funds available as of August 19, 2014					
ACCOUNT NUMBER	INDEX NAME (PROGRAM)	OBJECT CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Object Code)	AVAILABLE BALANCE (Object Code)	PURCHASE AMOUNT
461-P11921.461-6510	Parking Lots	Sustainable Parking Lot Improvements/ Site Improvements	\$1,200,000.00	\$21,488.00	\$1,133,221.08
				PURCHASE TOTAL ►	\$ 1,133,221.08

Strategic Connections:

This item is a Press Play Fort Lauderdale Strategic Plan 2018 initiative, included with in the Internal Support Cylinder of Excellence, specifically advancing:

- Goal 2: Be a sustainable and resilient community.
- Objective 1: Improve climate change resiliency by incorporating local, regional and mega-regional plans.

This item advances the *Fast Forward Fort Lauderdale Vision Plan 2035: We Are United*.

Attachment

Exhibit 1 – Bid Tabulation 542-11419

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