



AGENDA MEMORANDUM

Action Item for the City Council Meeting of November 17, 2020

DATE: November 9, 2020

TO: Peter Zanoni, City Manager

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Construction Contract Award

**South Staples Street - Baldwin Boulevard to Kostoryz Road
(Bond 2018, Proposition A)**

CAPTION:

Motion awarding a construction contract to Bay Ltd., Corpus Christi, TX for reconstruction of South Staples Street from Baldwin Boulevard to Kostoryz Road, located in Council District 2, with new concrete pavement and utility improvements in an amount of \$13,466,633.10 with FY 2021 funding available from Bond 2014, Bond 2018 and the Storm Water, Wastewater, Gas and Water CIP Funds.

SUMMARY:

This motion approves a construction contract with Bay Ltd. for the reconstruction of South Staples Street from Baldwin Boulevard to Kostoryz Road. The construction will include new concrete pavement, curb and gutter, sidewalks, ADA ramps, pavement markings, upgrading traffic signalization, and major utility improvements including upgraded storm sewer, new water mains and new wastewater mains along the roadway corridor.

BACKGROUND AND FINDINGS:

South Staples Street from Baldwin Boulevard to Kostoryz Road is classified as a minor arterial street. This section of the street was originally constructed in 1891. The latest overlay was completed in 1980 and a seal coat was performed in 1994. The current reconstruction project was approved by voters as part of BOND 2018. The existing pavement and underground utilities – which are approximately 70 years old – will be demolished and replaced from the southern limits of Baldwin Boulevard Intersection to the western limits of Kostoryz Road Intersection (0.83 miles). Staff is recommending the award of the concrete pavement bid alternate. Traffic signals, bus stops, sidewalks, curb ramps, concrete driveways, and concrete curb & gutter will also be upgraded for the project limits.

In addition to the new roadway the following scope of work will be completed:

- Seven RTA bus stops and one RTA bus pull-in will be reconstructed, each receiving a new concrete shelter pad
- Upgraded traffic signalization at three intersections of Baldwin Boulevard\18th Street, Louisiana Avenue\Kosar Street and Annapolis Drive\Texas Avenue
- Significant stormwater improvements including installing new box culverts, new curb inlets, new manholes and new laterals along the entire project length
- Significant wastewater improvements consisting of rehabilitating and replacing existing clay pipe with stronger plastic pipes and replacing legacy brick and concrete manholes with more resistant fiberglass material
- Water improvements include replacing aged cast iron pipe and old asbestos cement pipe with modern plastic pipes. Fire hydrants are replaced as necessary.
- Aged gas lines will be replaced to provide a service life matching that of the reconstructed roadway.

PROJECT TIMELINE:

2020				2021-2022			2023		
S	O	N	D	Jan-Dec			J	F	M
Bid/Award				Construction					

The project schedule reflects the City Council award in November 2020 with anticipated completion in March 2023.

COMPETITIVE SOLICITATION PROCESS

The Contracts and Procurement Department issued a Request for Bids for the proposed South Staples Street construction project. The solicitation contained two base bids, Base

Bid 1 (concrete) and Base Bid 2 (asphalt). On October 2, 2020, the City received bids for each segment as provided below:

CONTRACTOR	BASE BID 1 (CONCRETE)	BASE BID 2 (ASPHALT)
Bay Ltd	\$ 13,466,633.10	\$ 12,897,640.95
Clark Pipeline Services	\$ 18,132,559.60	\$ 17,489,054.17
<i>*Burnside Services Inc.</i>	\$ 13,667,089.51	\$ 12,458,088.58
Reytec Construction	\$ 16,997,071.60	NO BID

Per City Council Policy 28 - Award Guidelines for Arterial and Collector Streets, an award recommendation for concrete pavement is made if the total cost of the concrete bid does not exceed \$125,000/lane mile (\$17.76/SY), of the asphalt cost. When Staff analyzed the asphalt section components versus the concrete section components, the cost difference was \$17.98/SY, which was \$0.23/SY or 1.3% higher than the recommended cost differential to award a higher concrete bid.

Staff recommends awarding the concrete bid following the amended City Council policy 28 resolution on October 27, 2020 which states “ if the adjacent pavement section is concrete (PCC), consideration should be given to providing a uniform surface type, at the discretion of the City Engineering Services staff”. The most recent project - South Staples Street from Brawner Parkway to Kostoryz Road, completed in August 2020, was reconstructed with concrete pavement. Based on that fact, staff is recommending award of the concrete bid even though it is slighter higher than the Policy 28 differential. This recommendation does not result in a bid reversal since the lowest responsive asphalt and concrete bids were submitted by the same contractor.

The recommendation to proceed with the concrete pavement alternative will increase the construction cost of the project by \$568,992.15. Although award of the higher priced concrete pavement bid requires budget realignment, staff feels that the reduced maintenance costs over life of the roadway represents a sound business decision. Additional funding is being aligned from project savings on other Bond projects. Funding detail section provides the detailed information.

ALTERNATIVES:

One alternative is to award the asphalt bid instead of the concrete bid. Council could also reject bids and re-advertise or cancel the project.

FISCAL IMPACT:

The fiscal impact for FY 2021 is an in the amount of \$13,466,633.10 for the reconstruction

of South Staples Street from Baldwin Boulevard to Kostoryz Road with funding available from the Street Bond 2014, 2018 and Storm Water, Wastewater, Gas and Water Funds.

Funding Detail:

The Capital Improvement Program (CIP) shows the project is planned for FY 2021. The project is ready to be implemented and the expenditures shown in the CIP are budgeted in an amount of \$12,480,746.00. The project was budgeted based on past pricing for asphalt pavement. Based on the relative pricing between concrete and asphalt and the Council Policy 28 staff recommends awarding the higher priced concrete pavement bid.

The additional funding for the project is provided by Bond 2014 project savings and Bond 2018 budget re-alignment. The bids received for the water and wastewater improvements are within the estimated expenditures budgeted on the CIP. The stormwater improvements exceeds the budgeted amount in the CIP by \$1.7 million. The stormwater funds in the CIP will be re-aligned from Lipes Boulevard and Strasboug Drive.

Fund: **Street Bond 2018, Proposition A (Fund 3556)**
Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: 18041A
Account: Construction (Account #550910)
Activity: 18041-A-3556-EXP
Amount: \$4,836,364.00

Fund: **Street Bond 2018, Proposition A (Fund 3556)**
Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: 18047A
Account: Construction (Account #550910)
Activity: 18047-A-3556-EXP
Amount: \$610,000.00

Fund: **ST2015 GO BD 14 (Fund 3551)**
Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: 18041A
Account: Construction (Account #550910)
Activity: 18041-A-3551-EXP
Amount: \$712,278.88

Fund: **Storm Water 2020 (Fund 4532)**
Mission Elem: Drainage infra-surface/pipes (ME 043)
Project No.: 18041A
Account: Construction (Account #550910)
Activity: 18041-A-4532-EXP
Amount: 5,101,449.08

Fund: **Wastewater 2015 (Fund 4255)**
Mission Elem: Wastewater collection System (ME 042)
Project No.: 18041A
Account: Construction (Account #550910)
Activity: 18041-A-4255-EXP
Amount: \$1,174,684.58

Fund: **Water 2020 (Fund 4099)**
Mission Elem: Water Distribution System (ME 041)
Project No.: 18041A
Account: Construction (Account #550910)
Activity: 18041-A-4099-EXP
Amount: \$877,296.18

Fund: **Gas Capital Reserve (Fund 4560)**
Mission Elem: Gas Distribution System (ME 022)
Project No.: 18041A
Account: Construction (Account #550910)
Activity: 18041- A-4560-EXP
Amount: \$154,560.38

RECOMMENDATION:

Staff recommends awarding a construction contract to Bay Ltd. for reconstruction of South Staples Street (Baldwin Boulevard to Kostoryz Road) in the amount of \$13,466,633.10 for the concrete bid alternative with construction duration planned for 29 months from issuance of the Notice to Proceed with construction starting in December 2020.

LIST OF SUPPORTING DOCUMENTS:

Location Map
Bid Tabs
City Council Policy 28 Award Guidelines for Arterial and Collector Streets, Concrete or Asphalt Pavement