



AGENDA MEMORANDUM

First Reading for the City Council Meeting of July 25, 2017
Second Reading for the City Council Meeting of August 8, 2017

DATE: July 19, 2017

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Construction Contract Award

Residential Street Rebuild Program (RSRP) Test Project
Ralston Avenue – Staples Street to Alameda Street

CAPTION:

Ordinance amending the Fiscal Year 2017 Operational Budget adopted by Ordinance No. 030965 by increasing expenditures in the amount of \$1,000,000 in Fund 1042 Residential / Local Streets and authorizing the City Manager, or designee, to execute a construction contract with J.E. Construction Services of Corpus Christi, Texas in the amount of \$1,453,476.33 for the Ralston Avenue - Staples Street to Alameda Street for Base Bid B – HMAC (Asphalt) as part of the Residential Street Rebuild Program (RSRP) test projects.

PURPOSE:

The purpose of this agenda item is to obtain authority to execute a construction contract with J.E. Construction Services of Corpus Christi, Texas for the Ralston Avenue - Staples Street to Alameda Street Project in the amount of \$1,453,476.33 as part of the RSRP test projects program with construction using HMAC (Hot Mix Asphalt Concrete).

BACKGROUND AND FINDINGS:

In August 2016, City Council approved moving forward with test projects for the Residential Street Rebuild Program (RSRP). The test projects were to be funded through monies dedicated to

residential street reconstruction (as per the Budget Financial Policy) in Fund 1042 Residential / Local Streets fund. On November 8, 2016 residents approved the Residential Rebuild Project in the amount of \$11 Million. In December 2016, Council approved the appropriation of \$ 2.5 Million from the Fund 1042 fund balance and an amendment of the 2017 Budget to cover part of the estimated \$ 3.8 Million test project costs. At that time, Council was informed that an additional budget amendment would be brought with the construction contracts to cover the remaining balance of the project costs using FY2017 revenues. The attached Ordinance amends the FY2017 Operational Budget by an additional \$1 Million for remaining test project costs. This amendment recognizes Fund 1042 revenues already received in FY2017.

The design contract for Ralston Avenue from Staples Street to Alameda Street was awarded in December 2016 to Urban Engineering.

Project Scope:

The scope includes full depth reconstruction of the street pavement, new curb & gutter with new tied sidewalks on both sides, new ADA ramps, tree removal for trees within 3ft of new sidewalks and other miscellaneous improvements. The project includes minor extensions of the existing underground storm water pipelines and new curb inlets to improve drainage. The project also improves the roadway profile (slope) to achieve positive drainage. The profile improvements and new curb & gutter require driveway adjustments.

The test project was developed to analyze the above improvements and collect more information to refine the design and construction approach for rehab/reconstruction of local streets to include the following:

- Pavement material selection and alternatives and pricing for Portland Cement Concrete (PCC) or Hot-Mix-Asphalt-Concrete (HMAC). The design engineer and staff also considered and will continue to research alternatives including new pavement technologies and materials that allow more cost-effective rehab options in lieu of full replacement.
- Extent of replacement and pricing for concrete sidewalks, driveways, curb & gutter and ADA ramps. The design team worked to minimize the impacts and improvements for these structures while ensuring the proposed improvements achieve a sustainable and cost effective street design. Typical improvements will be 5ft tied sidewalks on only one side unless there are existing sidewalks on both sides.
- Drainage and underground utility improvements. Each design will ensure positive drainage that prevents nuisance flooding and premature failure of the roadway and other structures. The intent is to find cost effective solutions without major underground infrastructure investments, and recommend deferral of streets with heavy utility corridors and drainage problems.
- Evaluation and recommendations with other surface improvements such as trees that undermine the roadway, sidewalks and curb & gutter, landscaping, fencing, irrigation and other miscellaneous items encountered in residential communities.

On June 28, 2017, the City received proposals from five (5) bidders and the respective bids were as follows:

CONTRACTOR	BASE BID	
	Base Bid A (Concrete)	Base Bid B (Asphalt)
J.E. Construction Services * Corpus Christi, Texas	\$ 1,583,086.92	\$ 1,453,476.33
Hass & Anderson Construction Corpus Christi, Texas	No Bid	\$ 1,578,137.00
Berry Contracting dba Bay, Ltd Corpus Christi, Texas	\$ 1,978,744.80	\$ 1,599,244.05
J. Carroll Weaver Sinton, Texas (NON-RESPONSIVE)	No Bid	\$ 1,750,679.89
CPC Interest dba Clark Pipeline Corpus Christi, Texas	No Bid	\$ 1,824,286.49
<i>Engineer's Opinion of Probable Construction Cost (Base Bid)</i>	\$ 2,140,000.00	\$ 1,750,000.00
* Reflects corrected Mobilization Unit pricing to the maximum of 5% as required in the bid documents.		

J. Carroll Weaver failed to submit a bid bond for the Ralston Avenue project and was determined by City Legal to be Non-Responsive. Additionally, bid irregularities were noted with the construction mobilization unit prices from J.E. Construction and J. Carroll Weaver. The bid documents restrict mobilization to a maximum amount up to 5%. The actual bid price for these two bidders was computed using the mobilization unit price of 5% pursuant to and as required by the bid documents. This resulted in a \$40K reduction of the mobilization unit price and total bid from the low bidder, J.E. Construction Services.

J.E. Construction Services was notified and acknowledged the requirement. Staff recommends waiving of the irregularities in accordance with the bid documents, specifically the Invitation for Bidders that expressly states the City may accept or reject any or all bids and waive any irregularities that are determined to be in the best interest of the City.

The Ralston Drive project was bid with Hot-Mix-Asphalt-Concrete (HMAC) and Portland Cement Concrete (PCC) pavement options. The final pavement recommendation of HMAC or PCC pavement is made based on the method described in an informal report to City Council dated June 2, 2017. Projects that are bid with PCC and HMAC alternates, Engineering will recommend the PCC alternate when the construction cost differential is less than \$100K per lane mile. The lowest PCC pavement bid was \$129,610.59 higher than HMAC which equates to \$125,227.62 per lane mile, and exceeds the \$100,000 per lane mile differential.

ALTERNATIVES:

1. Approve the Ordinance and Authorize the execution of the construction contract as presented (Recommended)
2. Approve the Ordinance and Authorize the execution of the construction contract as using the PCC material (Not Recommended)
3. Do not approve the Ordinance and do not authorize the execution of the construction contract. (Not Recommended)

OTHER CONSIDERATIONS:

None

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Street Department

FINANCIAL IMPACT:

☒ Operating ☐ Revenue ☐ Capital ☐ Not applicable

Fiscal Year 2016-2017	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget		3,219,544.00		3,219,544.00
Encumbered / Expended Amount		115,670.00		115,670.00
Ralston – This Item		1,453,476.33		1,453,476.33
Future Anticipated Expenditures This Project		360,174.67		360,174.67
BALANCE		1,290,223.00		1,290,223.00

Fund(s): Operating

Comments: This project requires approximately 180 calendar days for construction with anticipated completion in February 2018. The construction contract will result in the expenditure of an amount not to exceed \$1,453,476.33.

RECOMMENDATION:

City staff and the design engineer recommend waiving the mobilization bid price irregularity and to award the contract to the lowest bidder, J.E. Construction Services, in the amount of \$1,453,476.33 for the HMAC pavement option.

LIST OF SUPPORTING DOCUMENTS:

Ordinance
Project Budget
Location Map
Presentation RSRP Test Project Streets
Presentation Ralston
Form 1295
Letter of Recommendation
CCAR – Bidding Asphalt vs. Concrete