



**AGENDA MEMORANDUM**  
for the City Council Meeting of May 22, 2012

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**DATE:** May 3, 2012

**TO:** Ronald L. Olson, City Manager

**FROM:** Daniel Biles, P.E., Interim Director of Engineering Services  
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Motion to execute Construction Contract: Staples Street Phase 1 from Brawner Parkway to Barracuda Place (Bond 2008)

**CAPTION:**

- A. Motion authorizing the City Manager, or designee, to execute a Construction Contract with Reytec Construction Resources, Inc of Houston, Texas in the amount of \$5,851,969.45 for Staples Street Phase 1 from Brawner Parkway to Barracuda Place for the base bid and additive alternate No. 2 (Bond 2008).
- B. Motion authorizing the City Manager, or designee, to execute a Construction Materials Testing with Tolunay-Wong Engineers, Inc of Corpus Christi, Texas in the amount of \$89,400.00 for Staples Street Phase 1 from Brawner Parkway to Barracuda Place (Bond 2008).
- C. Motion authorizing the City Manager, or designee, to execute Amendment No. 7 to a Contract for Professional Services with LNV Engineering, Inc of Corpus Christi, Texas in the amount of \$98,560.00 for a restated fee of \$1,043,795.00 for Staples Street Phase 1 from Brawner Parkway to Barracuda Place for Construction Inspection Services (Bond 2008).

**PURPOSE:**

Award a construction contract to include additional improvements and reconstruction of roadway, curb and gutter, sidewalks, ADA curb ramps, lane striping, pavement markings, street lighting, and utility work to improve public safety and traffic flow in the area.

## **BACKGROUND AND FINDINGS:**

These proposed improvements include the complete reconstruction of a five-lane roadway including two travel lanes on both sides and continuous left turn lane. Additional improvements will include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, street lighting, and utility work. This project is being phased to cause the least amount of disruption to vehicular traffic, businesses and area residents.

On February 29, 2012, the City received proposals from four (4) bidders and the lowest three bidders and their respective bids are as follows:

<b>Contractor</b>	<b>Base Bid</b>	<b>Alternate No. 1</b>	<b>Alternate No. 2</b>
<b>Reytec Construction Resources, Inc.</b> Houston, Texas	\$5,691,969.45	\$678,847.50	\$160,000.00
<b>Bay LTD.</b> Corpus Christi, Texas	\$5,958,388.45	No Bid	\$125,000.00
<b>Haas-Anderson</b> Corpus Christi, Texas	\$6,398,296.05	No Bid	\$500,000.00

**Alternate No. 1:** Continuously Reinforced Concrete in lieu of HMA

**Alternate No.2:** Expedited Schedule from Brawner Parkway to Barracuda Place to build the project in 330 Calendar Days (CD) in lieu of 420 CD.

Tolunay-Wong Engineers, Inc. was awarded the original geotechnical investigation work as well as the Phase 2 construction materials testing contract based on their commitment to work towards compliance with the City policy on the use of Geotechnical Engineering firms, specifically the requirement to have a locally residing professional engineer working from the local office. Since that time, Tolunay-Wong has relocated a registered geotechnical engineer from their Houston office to their Corpus Christi office and therefore is now in full compliance with the City policy.

## **ALTERNATIVES:**

1. Award project as presented
2. Award the project without the Additive Alternate for Concrete in lieu of HMA (not recommended)
2. Don't award project (not recommended)

## **OTHER CONSIDERATIONS:**

Not Applicable

**CONFORMITY TO CITY POLICY:**

Conforms to statutes regarding construction procurement criteria; FY 2011-2012 Street and Utility Capital Budget.

**EMERGENCY / NON-EMERGENCY:**

Not Applicable

**FINANCIAL IMPACT:**

☐ Operating      ☐ Revenue      ☒ Capital      ☐ Not applicable

<b>Fiscal Year: 2011-2012</b>	<b>Project to Date Expenditures (CIP only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Line Item Budget	\$2,676,400.00	\$7,030,100.00	\$200,000.00	\$9,906,500.00
Encumbered / Expended Amount	2,676,400.00	0.00	0.00	2,676,400.00
This item	0.00	6,039,929.45	0.00	6,039,929.45
BALANCE	\$0.00	990,170.55	\$0.00	1,190,170.55

Fund(s): Capital

**Comments: Not Applicable**

**RECOMMENDATION:**

The City's consultant LNV Engineering, Inc conducted a life cycle cost analysis using the Federal Highway Administration's Real Cost Program to compare asphalt pavement to concrete pavement. The results showed that over the course of 30 years the present value cost to construct and maintain the road using asphalt is \$312,190.00 lower than concrete. Alternate No. 1 has not been recommended because it adds \$678,847.50 to the construction contract and would add \$312,190.00 as net value over the course of 30 years. The award of Alternate No. 2 to expedite the construction schedule from 420 CD to 330 CD will save 90 Calendar Days for the construction contract from Brawner Parkway to Barracuda Place.

The City's consultant, LNV Engineering, Inc conducted a bid analysis of the four proposals submitted to the City. The lowest bidder based on Base Bid and Additive Alternate No. 2 is Reytec Construction Resources, Inc of Houston, Texas. Based on the information submitted for Special Provisions A-28, A-29, and A-30, Reytec Construction Resources, Inc has the experience and resources to complete the project.

City staff recommends approval of the construction contract for Base Bid with Alternate No. 2 with Reytec Construction Resources, Inc., construction materials testing contract with Tolunay-Wong Engineers, Inc., and construction inspection services contract amendment with LNV Engineering, Inc., as presented.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget

Location Map