

**CITY OF RIVIERA BEACH CITY COUNCIL**  
**AGENDA ITEM SUMMARY**

MEETING DATE: June 20, 2012

AGENDA ITEM SUMMARY NO. G12-062-1

- AWARDS / PRESENTATIONS / PETITIONS
- CONSENT
- PUBLIC HEARING
- ORDINANCE ON SECOND READING
- ORDINANCE ON FIRST HEARING

- REGULAR
- RESOLUTION
- DISCUSSION & DELIBERATION
- BOARD APPOINTMENT
- WORKSHOP

**TITLE/SUBJECT:** A resolution approving a work order with Corzo Castella Carballo Thompson Salman (C3TS), P.A. of Boca Raton, Florida for collection of topographic information and civil engineering design for the West 13<sup>th</sup> Street Roadway Improvement project in the amount of \$124,807.

**RECOMMENDATION / MOTION:** Staff recommends that the City Council approve the resolution.

• Assistant City Manager <i>[Signature]</i>	Library (N/A)
• City Attorney <i>[Signature]</i>	Marina (N/A)
• City Clerk <i>[Signature]</i>	Police (N/A)
Community Development (N/A)	• Public Works <i>[Signature]</i> 6-11-12
• Finance <i>[Signature]</i> 6/12/12	• Purchasing <i>[Signature]</i> 6-11-12
Fire (N/A)	Recreation & Parks (N/A)
Human Resources (N/A)	Water & Sewer (N/A)

APPROVED BY CITY MANAGER: *[Signature]* DATE: 6-13-12

<b>Originating Dept.</b> Public Works <i>[Signature]</i>	<b>Costs:</b> <u>\$124,807</u>  <b>Current FY:</b> <u>2012</u> <b>Funding Source:</b> <input type="checkbox"/> Capital Improvement <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Other:	<b>City Council Actions:</b> <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied _____ <input type="checkbox"/> Tabled to _____ <input type="checkbox"/> Referred to Staff _____
<b>User Dept.</b> Public Works <i>[Signature]</i>		
<b>Advertised:</b> <b>Date:</b> <b>Paper:</b> <input checked="" type="checkbox"/> Not Required	<b>Budget Account Number:</b>  303-1127-541-0-6351	<b>Attachments:</b> 1. Financial Impact Analysis 2. Resolution 3. C3TS Proposal
<b>Affected Parties</b> <input type="checkbox"/> Notified <input checked="" type="checkbox"/> Not Required		

**SUMMARY/BACKGROUND:**

On June 6, 2012, the City Council approved Resolution No. 66-12 authorizing staff to proceed with the reconstruction of West 13<sup>th</sup> Street between Old Dixie Highway and the railroad crossing near Avenue R. All preliminary work associated with the reconstruction efforts need to be completed which includes topographic surveying and civil engineering design. C3TS as the City continuing services engineering firm is qualified to not only provide the services, but is capable of meeting the stringent project deadlines per the Joint Participation Agreement (JPA) with the Department of Transportation (FDOT).

Staff requests that City Council approve the work order with C3TS to provide surveying and design services for the West 13<sup>th</sup> Street Roadway Improvement project.

**Item No. 5**

**FISCAL IMPACT**

**EXHIBIT A-1**

**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	2012	2013	2014	2015	2016
Capital Expenditures	<u>\$137,288</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Operating Costs	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
External Revenues	<u>NA</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Program Income (City)	<u>NA</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
In-Kind Match (City)	<u>NA</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<b>NET FISCAL IMPACT</b>	<b><u>\$137,288</u></b>	<b><u>\$0.00</u></b>	<b><u>\$0.00</u></b>	<b><u>\$0.00</u></b>	<b><u>\$0.00</u></b>

**NO. ADDITIONAL FTE POSITIONS (Cumulative)** N/A

**Is Item Included In Current Budget?** Yes      No XX

**Budget Account No.:** Fund 303 Dept/Division 1127 Org. 541 Object 0  
**Reporting Category:** 6351

**B. Recommended Sources of Funds/Summary of Fiscal Impact:**

Account No. 303-1127-541-0-6351

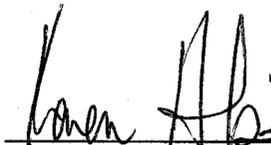
Proposal Amount \$124,807  
10% Contingency \$12,481

**C. Departmental Fiscal Review:**



**III. REVIEW COMMENTS**

**A. Finance Department and/or Purchasing/Intergovernmental Relations/Grants Comments:**

  
\_\_\_\_\_  
Finance Department

\_\_\_\_\_  
Purchasing and Grants

**B. Other Department Review:**

\_\_\_\_\_  
Department Director

RESOLUTION NO. \_\_\_\_\_

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIVIERA BEACH, PALM BEACH COUNTY, FLORIDA, APPROVING A WORK ORDER WITH CORZO CASTELLA CARBALLO THOMPSON SALMAN (C3TS), P.A. OF BOCA RATON, FLORIDA FOR COLLECTION OF TOPOGRAPHIC INFORMATION AND CIVIL ENGINEERING DESIGN FOR THE WEST 13<sup>TH</sup> STREET ROADWAY IMPROVEMENT PROJECT IN THE AMOUNT OF \$124,807; AUTHORIZING THE CITY MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT (10%); AUTHORIZING THE INTERIM FINANCE DIRECTOR TO MAKE PAYMENT FOR SAME FROM ACCOUNT NUMBER 303-1127-541-0-6351 AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City Council approved, through Resolution No. 66-12, the reconstruction of West 13<sup>th</sup> Street between Old Dixie Highway and the railroad crossing near Avenue R; and

**WHEREAS**, the topographic survey and subsequent roadway design have to be completed in order to proceed with construction; and

**WHEREAS**, C3TS is the City's continuing services engineering firm under contract and is capable of completing the design work required to meet all schedule deadlines.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RIVIERA BEACH, PALM BEACH COUNTY, FLORIDA as follows:**

**SECTION 1.** That the City Council hereby approves the issuance of a work order to Corzo Castella Carballo Thompson Salman (C3TS), P.A. of Boca Raton, Florida to provide survey and design services required to develop construction documents for West 13<sup>th</sup> Street Improvements in the amount of \$124,807.

**SECTION 2.** That the Interim Finance Director is authorized to make payment for same from Account Numbers 303-1127-541-0-6351.

**SECTION 3.** That the City Manager shall have authority to approve change orders in an amount not to exceed ten percent (10%) of the contract amount.

**SECTION 4.** That this Resolution shall take effect upon its passage and approval by City Council.

**PASSED and APPROVED** this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

RESOLUTION NO. \_\_\_\_\_

PAGE: 2

APPROVED:

\_\_\_\_\_  
THOMAS A. MASTERS  
MAYOR

\_\_\_\_\_  
BILLIE E. BROOKS  
CHAIRPERSON

ATTEST:

\_\_\_\_\_  
CARRIE E. WARD  
MASTER MUNICIPAL CLERK  
CITY CLERK

\_\_\_\_\_  
DAWN S. PARDO  
CHAIR PRO TEM

\_\_\_\_\_  
JUDY L. DAVIS  
COUNCILPERSON

\_\_\_\_\_  
CEDRICK A. THOMAS  
COUNCILPERSON

\_\_\_\_\_  
SHELBY L. LOWE  
COUNCILPERSON

MOTIONED BY: \_\_\_\_\_

SECONDED BY: \_\_\_\_\_

J. DAVIS \_\_\_\_\_

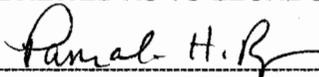
B. BROOKS \_\_\_\_\_

C. THOMAS \_\_\_\_\_

D. PARDO \_\_\_\_\_

S. LOWE \_\_\_\_\_

REVIEWED AS TO LEGAL SUFFICIENCY

  
\_\_\_\_\_  
PAMALA HANNA RYAN, CITY ATTORNEY

DATE: 8/12/12



Engineers  
Architects  
Planners

## PROPOSAL FOR PROFESSIONAL SERVICES

**Date:** June 11, 2012

**To:** **City of Riviera Beach**  
Public Works Department  
2391 Avenue L  
Riviera Beach, FL 33404

**Attention:** **Terrence Bailey, PE**  
Riviera Beach City Engineer

**Project Name:** **Roadway Improvements - 13<sup>th</sup> Street**  
**From Avenue R to Dixie Highway**  
Design and Permitting Services  
City of Riviera Beach  
C3TS File No. 01839-TBD

**Scope:** Provide professional engineering services in conjunction with the design and permitting of water, drainage and roadway improvements to 13th Street between Avenue R and Dixie Highway. The actual project limits will start at the eastern R/W of the railroad crossing just east of Avenue R and will run east to about 200 feet west of Dixie Highway. The corridor is bisected near the middle by the intersection of Australian Avenue.

EB0005022  
AAC002142

Services to be provided include civil design services for the relocation of the City water service, new roadway, sidewalk and drainage facilities, pavement markings and signage along with the associated permitting as needed to completely upgrade the existing street. Work shall include Design Drawings with Technical Specifications in CSI format for all work included in this scope. Special attention shall be made to the requirements set forth in the Grant Funding provisions which are being administered by FDOT, therefore requiring their oversight.

We have conducted a visual examination of the project and have noted that the existing roadway conditions are such that there will need to be full reconstruction within the 50' R/W from back of sidewalk to the opposite side. The typical section of the roadway has been provided to us by the City and is such that roadway will consist of three lanes with sidewalk along one side of the corridor. Curbing shall be type F curb and gutter with curb inlets as needed for drainage. Traffic calming devices shall be included, if desired by the City, such as speed humps in order to slow down traffic. Special consideration shall be provided for driveway transitions as well.

Surveying services shall be provided in the form of a specific purpose topographic survey that will be used to establish the baseline geometry and serve as the basis for design. The specific scope is defined on the attached proposal from our sub-consultant, Engenuity Group, Inc. In addition to establishing the baseline, the survey shall also identify all above ground features such as trees, power poles, pavement and sidewalk facilities, manholes, drainage structures and all visibly utilities. The survey will be developed in NGVD 29 datum. Survey data shall be provided in AutoCAD format with applicable baseline for the design.

The City shall provide specific services directly such as geotechnical testing and underground locates by soft dig testing as needed to perform the design as specified herein. C3TS shall aid the City in coordination of said services in the form of testing location layout and delineation of field work, but the procurement of said services shall be the responsibility of the City of Riviera Beach. C3TS shall make the determination of the results as to their being adequate for the design of the work. It should be noted that there are a number of

Plans shall be produced in AutoCAD format and technical specifications provided in WORD document text. One clean hard copy of the plans and specs will be provided for assembly of the bid documents as well as an electronic version of each. A schedule of values and bid items will be included for use in the bid. A cost estimate shall be provided using FDOT pay item format and unit costs shall be current in the industry. The City of Riviera Beach design requirements shall be utilized for design and FDOT standards shall be utilized for all standard details not included by the City.

The drainage analysis will take into consideration current SFWMD BMP practices and the design will conform to their requirements. Currently the drainage consists predominantly in the form of drainage swales with percolation directly through the swale bottoms. But with a typical section that includes a completely curbed section, it is assumed that the new drainage design shall incorporate the design and construction of curb inlets and exfiltration trench. Permits will be obtained through SFWMD. The City Public Works Department shall also be involved in the design review.

Water service design shall incorporate the City of Riviera Beach standards and details. The intent is to tie into a connection point near Australian Avenue and relocate it with a new service main from the south side of the road to the north from Australian to Dixie Highway. Permits will be obtained through the Palm Beach County Health Department as the local FDEP representing agency. The City Utilities Department shall be involved in all plan reviews and ultimate approval of the design will lie within that department. The City of Riviera Beach shall provide any as-builts of the existing facilities that currently exist. The City utility atlas shall also be utilized as needed. It is anticipated that the utility department shall help identify all lateral connections from the mains to each individual residence along the corridor.

The roadway reconstruction shall include new subgrade, base and asphalt as well as new curbing, driveway connections and sidewalk as depicted on the typical sections provided to us by the City. A pavement marking plan including new signage shall be included in the plans. Construction phasing shall be considered so as to maintain traffic for the local businesses during construction.

At this time, it is anticipated that the City shall provide our design plans to Palm Beach County for their use in designing any modifications to their signal system that are in close proximity to our project that they might see

fit to include. At this time the only signals are at Dixie Highway and 13<sup>th</sup> Street and we should not have to touch their existing signal facilities. As such, signal design services are not a part of this scope of services.

Construction services are not included at this time due to the unknown nature of the scheduling for construction.

**Terms &  
Conditions**

According to our Professional Services Agreement for Engineering Services dated June 1, 2011

**Compensation:**

Our fee for this project will be a fixed fee amount based on the above project scope and the attached man-hour estimate form as follows.

Our fee for the Civil Drainage Design and Construction Documents is **One Hundred Twenty Four Thousand Eight Hundred Seven Dollars (\$124,807.00)** including all sub-consultant fees, broken down as follows:

Task 1: Data Collection	\$ 27,582.00
Task 2: Preliminary Design	\$ 42,099.50
Task 3: Final Design	\$ 37,619.50
Task 4: Permitting	\$ 13,006.00
<u>Task 5: Permit Fees/Reimbursables</u>	<u>\$ 4,500.00</u>
Total:	\$124,807.00

**Period of Service:**

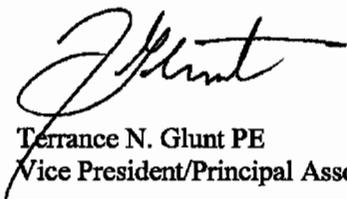
It is understood that, due to funding stipulations, the final plans and permits must be submitted to FDOT for review in accordance with their schedule. Therefore, work is to be completed in accordance with the FDOT schedule provided to the City of Riviera Beach.

**Exclusions:**

This scope does not include electrical for street lighting, landscape architecture, signalization or redesign of any areas lying outside the R/W other than at side streets and intersections where design must wrap the radii to include all improvements in the intersection. As stated previously, geotechnical testing and soft dig locates are also not included. Construction administration services are also not included at this time.

We are ready to commence the work on this assignment immediately, if acceptable to you, we can proceed once an executed work order has been forwarded to us. Thank you for this opportunity to be of service to the City of Riviera Beach.

Corzo Castella Carballo Thompson Salman, PA



Terrance N. Ghunt PE  
Vice President/Principal Associate



Corzo Castello Carballo Thompson Salman, P.A.  
 Engineers - Architects - Planners  
 3996 NW 9 Avenue  
 Fort Lauderdale, Florida 33309  
 (954) 565-2113 (Phone) - (954) 567-4079 (Fax)

**MANOUR ESTIMATES**

Project No.: 01839-TBD  
 Name: 13th Street Improvements from Avenue R to Dade Highway  
 City of Riviera Beach, Florida

Date: 6/11/2012

Task	Description	Principal in Charge	Project Manager	Sr. Proj. Engineer	Project Engineer	CADD Tech/Insp	Clerical	TOTAL		Individual Task Totals
		Manhours	Manhours	Manhours	Manhours	Manhours	Manhours	Hours	Cost For Activity	
		\$185.00	\$155.00	\$135.00	\$98.00	\$77.50	\$46.25			
		RC	TG	RD	EH	SC	PB			
<b>Task 1.00</b>	<b>Data Collection</b>									\$ 27,582.00
1.1	Initial Meetings		1	4	4			12	\$ 1,552.00	
1.2	Data Collection									
1.2.1	Site Visits - Initial & Follow Up		2	8	8			18	\$ 2,174.00	
1.2.2	Coordination of Subs		2	2	2		4	10	\$ 961.00	
1.2.3	Review of As-Builts & Historical Documents		2	8	8			18	\$ 2,174.00	
1.2.4	Utility Coordination		2	8	24		4	38	\$ 3,927.00	
1.3	Field Testings/Utility Locates									
1.3.1	Geotechnical Investigation - Not Included - City To Procure Directly									
1.3.2	Soft Digs - Underground Locates - Not Included - City To Procure Directly									
1.3.3	Establish Field Testing Locations and Programs		4	8	16			28	\$ 3,268.00	
1.4	Survey									
1.4.1	Specific Purpose and Topographic Survey - Engenuity Group, Inc.								\$ 10,488.00	
1.5	Analysis of collected data and interviews		2	4	16	8		30	\$ 3,038.00	
	<b>SUBTOTALS</b>	0	18	42	78	8	8	154	\$ 27,582.00	
<b>Task 2.00</b>	<b>Preliminary Design</b>									\$42,099.50
2.1	Preliminary Design									
2.1.1	Establish Baseline Geometry		2	2	30	20		44	\$ 4,000.00	
2.1.2	Drainage Analysis		8	16	60	20		104	\$ 10,830.00	
2.1.3	Water Service Schematics		4	16	24			44	\$ 5,132.00	
2.2	Plan Production (incl. 61 sheets)		4	20	60	80		164	\$ 15,400.00	
2.3	Quality Control		4	4				8	\$ 1,160.00	
2.4	Preliminary Quantities and Cost Estimate		2	4	16	16	4	42	\$ 3,843.00	
2.5	Review and Comment Meetings (30% and 60%)		4	4	4		2	14	\$ 1,644.50	
	<b>SUBTOTALS</b>	0	28	66	184	136	6	420	\$ 42,099.50	
<b>Task 3.00</b>	<b>Final Design</b>									\$ 37,619.50
3.1	Final Design									
3.1.1	Drainage Analysis Modifications		2	4	20			26	\$ 2,810.00	
3.1.2	Water Service Analysis Modifications		2	4	12			18	\$ 2,026.00	
3.1.3	Specification Book		4	16	16		24	60	\$ 5,458.00	
3.2	Plan Production		4	20	60	80		164	\$ 15,400.00	
3.3	Final Quantities and Cost Estimate		2	4	16	16	4	42	\$ 3,843.00	
3.4	Review and Comment Meetings (90% and 100%/Final QA/QC)		4	6	6		2	20	\$ 2,420.50	
3.5	Assemble Bid Documents		4	8	24	16	8	60	\$ 5,662.00	
	<b>SUBTOTALS</b>	0	24	62	154	112	38	390	\$ 37,619.50	
<b>Task 4.00</b>	<b>Permitting</b>									\$ 13,006.00
4.1	Permitting									
4.1.1	Preapplication Meetings		8	8	8			24	\$ 3,104.00	
4.1.2	SPWMD - Drainage and NPDES		2		16			22	\$ 2,063.00	
4.1.3	PBCHD/FIDEP - Water		2		8			14	\$ 1,279.00	
4.1.4	Palm Beach County at Australian Avenue		2		8			18	\$ 1,819.00	
4.1.5	FDOT Plan Review		4		8			14	\$ 1,496.50	
4.1.6	City of Riviera Beach		2	4	2		2	10	\$ 1,138.50	
4.2	Agency Review and Comment									
4.2.1	Comment Review		2		4			6	\$ 702.00	
4.2.2	Revise Permit Data and Permit Details				8			16	\$ 1,404.00	
	<b>SUBTOTALS</b>	0	22	16	42	8	2	124	\$ 13,006.00	
<b>Task 5.00</b>	<b>Construction Administration</b>									\$ -
5.1	Construction Administration - Not Included at This Time (Bid Assistance, Inspections, RFI's, Certs, Shop Drawings)									
	<b>SUBTOTALS</b>	0	0	0	0	0	0	0	\$ -	
	<b>Hourly Totals</b>	0	92	186	478	264	60	1088		

LABOR COST, TOTAL	\$ 120,307.00
REIMBURSABLE EXPENSES	\$ 4,500.00
TOTAL PROPOSED COMPENSATION	\$ 124,807.00