

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

A RESOLUTION AUTHORIZING THE ADMINISTRATOR FOR THE DEPARTMENT OF PUBLIC WORKS TO ENTER INTO AN AGREEMENT WITH VOLKERT, INC. FOR PROFESSIONAL SERVICES RELATIVE TO CONTRACT NO. E-13-002-101, 2014 WALNUT STREET BRIDGE INSPECTION AND REHABILITATION PROJECT PHASE 1, FOR AN AMOUNT NOT TO EXCEED ONE HUNDRED TWENTY-ONE THOUSAND NINE HUNDRED DOLLARS (\$121,900.00).

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BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing the Administrator for the Department of Public Works to enter into an agreement with Volkert, Inc. for professional services relative to Contract No. E-13-002-101, 2014 Walnut Street Bridge Inspection and Rehabilitation Project Phase 1, for an amount not to exceed \$121,900.00.

ADOPTED: \_\_\_\_\_, 2014

/mem

# City of Chattanooga



## Resolution/Ordinance Request Form

Date Prepared: December 2, 2014

Preparer: Dennis Malone

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance:

Res./Ord. # \_\_\_\_\_ Council District #

2 & 7

A Council Action is requested for the Administrator of the Department of Public Works to enter into an agreement with Volkert, Inc., for professional services, relative to Contract No.E-13-002-101, 2014 Walnut Street Bridge Inspection and Rehabilitation Project Phase 1, in an amount not to exceed \$121,900.00.

Name of Vendor/Contractor/Grant, etc. Volkert, Inc.  
 Total project cost \$ 121,900.00  
 Total City of Chattanooga Portion \$ 121,900.00  
 City Amount Funded \$ 121,900.00  
 New City Funding Required \$ 0  
 City's Match Percentage % \_\_\_\_\_

New Contract/Project? (Yes or No) Yes

Funds Budgeted? (YES or NO) Yes

Provide Fund 4016

Provide Cost Center K18126

Proposed Funding Source if not budgeted \_\_\_\_\_

Grant Period (if applicable) \_\_\_\_\_

### List all other funding sources and amount for each contributor.

Amount(s)  
 \$ \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Grantor(s)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Agency Grant Number \_\_\_\_\_

CFDA Number if known \_\_\_\_\_

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

Consent Decree Project

Approved by: *Dennis Malone*

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

Please submit completed form to @budget, City Attorney and City Finance Officer

Revised: 1/26/09

**SCOPE OF WORK AND PROPOSED FEE  
WALNUT STREET BRIDGE INSPECTION  
CHATTANOOGA, TENNESSEE**

Volkert will provide a routine bridge inspection and report of the Walnut Street Pedestrian Bridge as outlined by the National Bridge Inspection Standards (NBIS), and City of Chattanooga (City) requirements. The Basic Services Scope of Work includes providing NBIS inspection report to the City. The inspection will be performed by 2 - two-man teams of certified bridge inspectors, who will come to the site and inspect the condition of certain elements of the bridge (top side of the deck, main truss spans, approaches, as well as substructure elements for the approaches and abutments). We anticipate one week of time to complete the inspection, weather permitting. The following are specifics on the bridge inspection:

- Perform a Visual (Routine) Inspection of the top side of truss spans, including representative portions of the post-tensioning systems, chord and connection elements, deck boards, sidewalks, curbs, railings, bridge lighting, and site furnishings, using a combination of ladder and/or man lift access.
- Perform a Visual (Routine) Inspection of the North Approach Viaduct top and bottom side, including substructures, using a combination of foot, ladder, and man lift access.
- Perform a Visual (Routine) Inspection of the north and south abutments using foot access.
- All inspections will be performed in accordance with OSHA inspection guidelines.

Additional Services listed below can be performed with the above mentioned 2 – two-man teams of certified bridge inspectors and 1 – four-man team of certified underwater bridge inspectors. The following are specifics on those additional services:

- Perform a Visual (Routine) Inspection of the bottom side of the truss spans, including representative portions of the post-tensioning systems, chord and connection elements below deck, and bearings using a combination of under bridge sidetracker, ladder, and rope access.
- Perform a Visual (Routine) Inspection of the six (6) stone piers from top of pier to the waterline, using rope access.
- Performs a Hands-on (In-Depth) Underwater Inspection of five (5) stone piers below the water surface down to the river bottom.
- Perform an ultrasonic inspection of 10% of the approximate 600 structural pins that are present in the superstructure, using industry accepted non-destructive testing standards. Results stating the current conditions of these pins, as well as appropriate recommendations, if any, with cost estimate for repair will be included in the report.
- All inspections will be performed in accordance with OSHA inspection and diving guidelines.

The following are specifics that are not part of the bridge inspection:

- A hands-on inspection of the top and bottom sides of the truss spans, North Approach Viaduct (top and bottom sides including substructures), six (6) stone piers, and north and south abutments.
- If during the visual inspection an element or specific area is found to need a hands-on inspection, these items will be noted for an additional isolated in-depth inspection during the bridge repair plan development phase.

Any elements with visual deficiencies will be noted, photographed, and/or sketched with repair recommendations provided. These recommendations will be documented in the inspection report with an approximate cost estimate for the anticipated repairs, with the only exception being those additional areas called for hand-on inspection. The preliminary inspection report will be transmitted to the City no later than forty-five (30) days following the completion of the field inspection, with the final inspection report delivered fourteen (14) days after we receive comments back from the City. The proposed lump sum fee will be billed monthly from progress made, with the remainder of lump sum due billed once the final report has been submitted to the City.

**BASIC SERVICES LUMP SUM FEE:      \$53,500**

**ADDITIONAL SERVICES**

**BOTTOM SIDE OF TRUSS:              \$33,000  
(INCLUDING STONE PIERS)**

**UNDERWATER INSPECTION:          \$25,400**

**ULTRASONIC TESTING:                \$10,000**

**TOTAL FEE:                              \$121,900.00**