

CONSULTING SERVICE AUTHORIZATION

DATE: _____

SERVICE AUTHORIZATION NO. 12-17 FOR CONSULTING SERVICES

CITY P.O. NO. _____ CITY EXPENSE CODE 334-3162-541-6937

CITY PROJECT NO. 17-004 WGI PROJECT NO. 1004

TITLE: Barwick Road Reconstruction

This Service Authorization, when executed, shall be incorporated in and shall become an integral part of, the "Agreement for General Consulting Services" contract executed January 24, 2012.

Title: Barwick Road Reconstruction

Title: Agreement for General Consulting Engineering Services

I. PROJECT DESCRIPTION

The CITY has requested Wantman Group Inc. to prepare design documents for construction of the following project as part of the 2017 Capital Improvement Plan (CIP). Consultant services are for the roadway reconstruction of Barwick Road from the southerly right of way line of Lake Ida Road to the Northerly right of way line of Atlantic Avenue.

This Project was included in the Overall Condition Index (OCI) used by the CITY in the 2013 Pavement Management System report. This Project will also include striping and signing. Wantman Group Inc. will be responsible for the following:

1. Right of way and topographical Route Survey. The survey will collect location and elevation information on all visible improvements within the public right of way.
2. Location maps to identify the project(s) and surrounding streets, including necessary notes, standards and details for roadway reconstruction;
3. Pavement reconstruction design, including typical roadway section design and roadway section structural number calculations. The Barwick Road design will not encroach into the Lake Ida Road or Atlantic Avenue right of way. Design will be based on results of existing pavement core data;

4. The Barwick Road improvements included within the scope of work extend from edge of pavement to edge of pavement.
5. Pavement marking in accordance with all current applicable manuals, guidelines, standards, handbooks, and procedures. Modifications to the signalized intersections of Barwick Road and Lake Ida Road and Barwick Road and Atlantic Avenue are not included within this proposal;
6. Items located within the right of way identified that may require improvements to meet current rules and regulations will be brought to the City's attention for incorporation in the future Barwick Road Complete Streets project (i.e. guardrail, ADA requirements, etc.);
7. Design drawings with three separate QA/QC (quality control submittal milestones) phases with the CITY: preliminary (30% design), intermediate (60% design) and a final (100% design);
8. Engineer's opinion of probable construction costs, and technical specifications (submitted with each milestone submittal);
9. Preparation of the Pre-bid agenda package, specifications, drawings, cost estimate, and assistance with design questions at the Pre-bid meeting;
10. Preparation of a bid recommendation letter and the commission agenda item for the awarding of the project to the most qualified and responsive contractor. The commission agenda item shall be prepared in accordance with the required deadlines established by the CITY, and shall include time for CITY reviews;
11. Coordinate all the public outreach activities with the CITY project manager. Prepare materials and be present for public outreach activities and meetings as requested by the CITY; and
12. Design support during construction.
13. This proposal does not include the design or re-design of the existing traffic signal poles, span wires, electrical up-grades for traffic loops or traffic lights or any other traffic signal appurtenances.

II. SCOPE OF SERVICES

Phase I- Study and Report Phase

Not Applicable.

Phase II - Preliminary Design Phase

Not Applicable.

Phase III - Final Design Phase

WGI shall provide final design services in accordance with Article III.C of the Agreement for Engineering Services with the City, dated January 24, 2012.

- A. Construction Plans and Specifications - WGI shall attend public meetings, coordination meetings with the City, prepare construction plans, technical specifications, cost estimates, survey services conforming to the requirements of the current Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Florida Green Book) as applicable. Plans, Specifications, Surveys and Estimates will be submitted to the CITY for review at the 30%, 60% and 100% Design Phases. Structural services are not included in this proposal.

Phase IV - Bidding/Negotiation Phase

WGI shall provide final bidding phase services in accordance with Section III "Duties of the Consultant" (Subsection D 1-5) of the Agreement for Engineering Services with the City, dated January 24th 2012.

- A. WGI shall assist City in advertising for and obtaining bids or negotiating proposals for construction (including materials, equipment and labor). It is anticipated that work shall be awarded under a single construction contract. WGI shall provide five (5) sets of bidding documents to the City to issue bid package. The City shall receive and process deposits for bidding documents and shall maintain a record of prospective bidders to whom bidding documents have been issued.
- B. WGI shall attend one mandatory pre-bid conference and provide a written summary of issues discussed via addendum.
- C. WGI shall issue addenda and shall provide supplemental information or clarification as appropriate to interpret, clarify, or expand the bidding documents to all prospective bidders during the bid period.
- D. WGI shall attend the bid opening, prepare bid tabulation sheets and assist City in evaluating bids and proposals, and in assembling and awarding contract for construction. WGI shall submit to City a written recommendation concerning contract award.
- E. WGI shall furnish all bid information to the City in electronic format to be used in conjunction with "Demand Star" or other

bidding services the City will utilize to procure construction services.

Phase V - Construction Administration

WGI shall provide design support only throughout the duration of Construction. It is our understanding the City will be utilizing the services of a CEI engineer for inspection, project construction coordination and final project close-out services.

Other - Permitting

The anticipated permits for this project include an NPDES and LWDD permit, if required. Permit application fees and review fees are the responsibility of the City of Delray Beach.

Other - Right-of-Way Route Survey

The survey will be performed per the City of Delray Beach's survey standards and will include:

- A. Platted rights-of-way (include bearing and distances for centerlines), lot numbers, block numbers, House Numbers (if available) and dedicated easements.
- B. All improvements, physical objects, driveways, and significant landscape (i.e. trees, shrubs) within the right-of-way. Survey will not include locating the residential buildings adjacent to the right of way.
- C. All underground utilities. Inverts on sanitary and storm sewers shall be indicated, as well as, locations of water valves and meters. Coordination with the Sunshine State Call One Center for location of other underground utilities shall be the surveyor's responsibility. Coordination with City of Delray Beach's Water and Sewer network at (561) 243-7312 for underground utilities locates shall be the surveyor's responsibility. Do not use City of Delray Beach atlas for locations.
- D. All topographical surveys shall have stationing established from south to north and west to east where applicable.
- E. Elevations shall be indicated every 25 feet, at a minimum, to indicate centerline grades, edge of pavement grades, and shoulder grades. Intermediate grades shall be indicated at all grade breaks, driveways, and sidewalks. Two grades (one at the right-of-way line and one 15 feet back) shall be indicated on the driveways to indicate direction of grade.

- F. The survey shall include topography of the complete intersection, 25 feet beyond radius returns, at the terminal end of each street.
- G. Tie survey to state plane coordinate system and set a minimum of two permanent reference markers.
- H. The surveyor shall submit one (1) digital and three (3) signed and sealed copies of the survey to the City.

Other - Subsurface Utility Engineering (SUE) Location Services

Not Applicable

Other - Geotechnical Services:

Not Applicable, as requested by the City

III. COMPENSATION

The compensation for services provided shall be billed on an hourly basis, plus reimbursable expenses for each phase of work, in accordance with Article VII, Method II, up to the following not-to-exceed cost for each phase.

<u>Engineering Services</u>	<u>Estimated Fees</u>
Phase I - Study and Report Phase (Not Applicable)	---
Phase II - Preliminary Design Phase (Not Applicable)	---
Phase III - Final Design Phase	\$87,691.04
Phase IV - Bidding/Negotiating Phase (CITY/FDOT)	\$17,641.40
Phase V - Construction Administration Phase	\$20,604.02
Other Services - Permitting	\$4,171.14
Other Services - Surveying	\$30,430.00
Reimbursable -	<u>\$3,210.75</u>

Total Compensation \$163,748.35

COMPLETION DATE

To be completed in accordance with the attached schedule.

This service authorization is approved contingent upon the City's acceptance of and satisfaction with the completion of the services rendered in the previous phase or as encompassed by the previous service authorization. If the City in its sole discretion is unsatisfied with the services provided in the previous phase or service authorization, the City may terminate the contract without incurring any further liability. WGI shall commence work on any service authorization approved by the City to be included as part of the contract without a further notice to proceed.

Approved by:

CITY OF DELRAY BEACH:

Date _____

Cary D. Glickstein
Mayor

WGI: Wantman Group, Inc.

Date _____

by: _____

Michael Davis,
Senior Vice President
(Seal)

Witness Signature _____

Witness Printed _____

Attest: _____

Approved as to Legal
Sufficiency and Form

BEFORE ME, the foregoing instrument,
this 2 day of March, 2017,
was acknowledged by Michael Davis
on behalf of the Corporation
Wantman Group, Inc. and said person
executed the same free and voluntarily
for the purpose there-in expressed.

R. Max Lohman City Attorney

Witness my hand and seal in the County
and State aforesaid this 2 day of
March, 2017.

Notary Public
State of Florida

My Commission Expires

Paula Miller
11/29/20



