

CONSULTING SERVICE AUTHORIZATION

DATE: _____

SERVICE AUTHORIZATION NO. 12-18 FOR CONSULTING SERVICES

CITY P.O. NO. _____ CITY EXPENSE CODE _____

CITY PROJECT NO. 17-077 WGI PROJECT NO. 1004

TITLE: NW Neighborhood Roadway 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: NW Neighborhood Roadway 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 development of design drawings for the roadway reconstruction projects listed below:

1. Davis Road from Poinsettia Boulevard to Dorson Way (+/- 970 lf);
2. Poinsettia Boulevard from Davis Road to Ross Drive (+/- 300 lf);
and
3. Dorson Way from Davis Road to Dolphin Drive (+/- 600 lf).

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 the design of swales, drainage and sanitary sewer, striping and signing, and lighting plans. 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. Subsurface utility exploration (soft dig) of utilities at crossing and connection points;

4. Pavement reconstruction design, including typical roadway section design and roadway section structural number calculations;
5. Structural Design, including modifications to the existing LWDD bridge on Davis Road to provide one (1), six foot (6') sidewalk on the west side of the bridge and traffic barrier compliant with Florida Green Book standards. If it is determined that the existing foundation system is not capable of carrying the proposed modifications or it is determined the existing deck slabs cannot be modified, the design of a new bridge is not included in this scope of services.
6. Drainage, including swales and underground drainage rehabilitation plan sheets with necessary notes, and details;
7. Sanitary sewer and underground sewer rehabilitation plan sheets, notes, sewer/water reclaim and details. Assume that the water reuse line will be extended north of the L-32 Canal to the project limits;
8. Pavement marking and roadway signs in accordance with all current applicable manuals, guidelines, standards, handbooks, and procedures;
9. Light-Emitting Diode (LED) lighting in accordance with City standard lighting, all current applicable manuals, guidelines, standards, handbooks, and procedures;
10. Design drawings with three QA/QC (quality control submittal milestones) phases with the CITY: preliminary (30% design), intermediate (60% design) and a final (100% design);
11. Engineer's opinion of probable construction costs, and technical specifications (submitted with each milestone submittal);
12. Utility coordination to minimize the potential of utility conflicts (including underground utilities) with the proposed improvements that may adversely impact the construction schedule;
13. Preparation of the Pre-bid agenda package, specifications, drawings, cost estimate, and assistance with design questions at the Pre-bid meeting;
14. 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;
15. Coordinate all the public outreach activities with the CITY project manager. Prepare materials and be present for public outreach activities as requested by the CITY; and
16. Design support during construction.

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.

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 throughout the duration of Construction.

Other - Permitting

The anticipated permits for this project include FDEP (sanitary sewer), LWDD and NPDES. 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.
- 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.

- 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

Utility coordination for proposed improvements with the existing utility facilities will be done to minimize impacts to critical services and the public, minimizing impacts to the construction schedule.

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	\$108,232.16
Phase IV - Bidding/Negotiating Phase	\$9,675.16
Phase V - Construction Administration Phase	\$20,604.02
Other Services - Permitting	\$7,582.34
Other Services - Lighting Design Services	\$15,290.00
Other Services - Sanitary Sewer CCTV Services	\$4,500.00
Other Services - Subsurface Utility Services	\$5,000.00
Other Services - Utility Coordination	\$3,200.00
Other Services - Surveying	\$18,200.00
Reimbursable -	<u>\$5,768.51</u>
<u>Total Compensation</u>	<u>\$198,052.19</u>

IV. COMPLETION DATE

See attached project time 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:

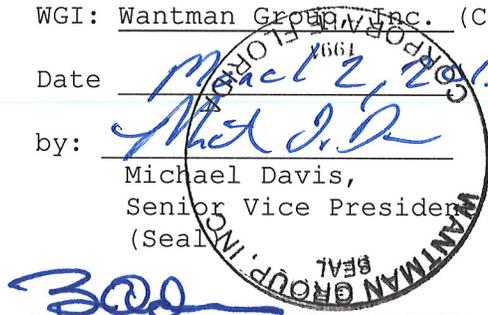
Date _____

Cary D. Glickstein
Mayor

WGI: Wantman Group, Inc. (CONSULTANT)

Date March 2, 2017

by: Michael Davis
Michael Davis,
Senior Vice President
(Seal)



Brett Oldford
Witness sign
BRETT OLDFORD
Witness print

Attest: _____

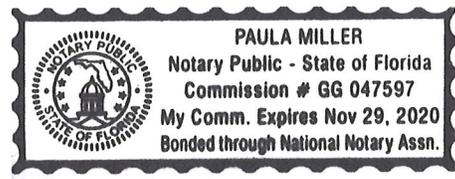
Approved as to Legal
Sufficiency and Form

BEFORE ME, the foregoing instrument, this 2 day of March, 2017, was acknowledged by Michael L. 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 Paula Miller
State of Florida
My Commission Expires 11/29/20



Davis Road, Poinsettia Boulevard, and Dorson Way Roadway Reconstruction

This list was completed based on the Fee Schedule "Exhibit B" - Delray Beach Contract with WGI

Prepared by: Brett Oldford, PE

Date: February 28, 2017

City Project no. 17-078

\$ 204.81 \$ 172.60 \$ 127.86 \$ 106.44 \$ 80.00

PHASE	TASK	TASK DESCRIPTION	Principal Engineer	Senior Project Manager	Senior project Engineer	Engineer	Engineering / Surveying Computer Technician	TOTAL
1		30% Design Phase						
	a	Plans (Location Map, Plan Drawings, Roadway Sections)	2	24	16	48	16	\$ 12,986.90
	b	Structural Design (LWDD Bridge)	2	4	16	32	40	\$ 9,751.86
	c	Specifications and Cost Estimate		4	12	20		\$ 4,353.52
	d	Public Meetings Preparation / Minutes		8		8		\$ 2,232.32
	e	City Review Meetings Preparation / Minutes	2	4		8		\$ 1,951.54
	f	QC	2		4	4		\$ 1,346.82
		30% DESIGN SUBTOTAL	\$ 1,638.48	\$ 7,594.40	\$ 6,137.28	\$ 12,772.80	\$ 4,480.00	\$ 32,622.96
2		60% Design Phase						
	a	Plans (Plans plus Details, Signing & Marking Plan)	2	24	12	40	16	\$ 11,623.94
	b	Structural Design (LWDD Bridge)	2	4	12	24	32	\$ 7,748.90
	c	Specifications and Cost Estimate		4	8	16		\$ 3,416.32
	d	City Comment Response		4	4	4	16	\$ 2,907.60
	e	Public Meetings Preparation / Minutes		8		8		\$ 2,232.32
	f	City Review Meetings Preparation / Minutes	2	4		8		\$ 1,951.54
	g	QC	2		4	4		\$ 1,346.82
		60% DESIGN SUBTOTAL	\$ 1,638.48	\$ 8,284.80	\$ 5,114.40	\$ 11,069.76	\$ 5,120.00	\$ 31,227.44
3		90% Final Design Phase						
	a	90% Plans (60% Plans Plus finalizing details and incorp. City Comr	4	12		32	12	\$ 7,256.52
	b	Structural Design (LWDD Bridge)	2	4	8	16	20	\$ 5,425.94
	c	Specifications and Cost Estimate		12	4	20		\$ 4,711.44
	d	City Comment Response		4	4	4	8	\$ 2,267.60
	e	Public Meetings Preparation / Minutes		8		8		\$ 2,232.32
	f	City Review Meetings Preparation / Minutes	2	4		8		\$ 1,951.54
	g	QC	2		4	4		\$ 1,346.82
		90% DESIGN SUBTOTAL	\$ 2,048.10	\$ 7,594.40	\$ 2,557.20	\$ 9,792.48	\$ 3,200.00	\$ 25,192.18
3		100% Construction Plans Phase						
	a	Plans (Plans plus Details, Signing & Marking Plan)	4	8		20	8	\$ 4,968.84
	b	Structural Design (LWDD Bridge)	2	4	8	8	16	\$ 4,254.42
	c	Specifications and Cost Estimate		8	4	8		\$ 2,743.76
	d	City Comment Response		4	2	4	4	\$ 1,691.88
	e	Public Meetings Preparation / Minutes		8		8		\$ 2,232.32
	f	City Review Meetings Preparation / Minutes	2	4		8		\$ 1,951.54
	g	QC	2		4	4		\$ 1,346.82
		CONSTRUCTION PLANS SUBTOTAL	\$ 2,048.10	\$ 6,213.60	\$ 2,301.48	\$ 6,386.40	\$ 2,240.00	\$ 19,189.58
		DESIGN PHASE SUBTOTAL						\$ 108,232.16
6		Permitting Phase						
	a	FDEP (PBC HD Sanitary Sewer)		2	4	16		\$ 2,559.68
	b	LWDD	2	4	8	16		\$ 3,825.94
	c	NPDES PERMIT		2		8		\$ 1,196.72
		PERMITTING	\$ 409.62	\$ 1,380.80	\$ 1,534.32	\$ 4,257.60	\$ -	\$ 7,582.34
7		Bidding Phase						
	a	Prepare Bid Documents and Specification		4		20		\$ 2,819.20
	b	Assistance in the advertisement of the project		2		4		\$ 770.96
	c	RFIs & Addenda	2	4		8	8	\$ 2,591.54
	d	Pre-Bid Meeting		4		8		\$ 1,541.92
	e	Review Bids and issue an Award Recommendation Letter	2	4		8		\$ 1,951.54
		BIDDING	\$ 819.24	\$ 3,106.80	\$ -	\$ 5,109.12	\$ 640.00	\$ 9,675.16
8		Construction Phase Support						
	a	Design Support During Construction		40		20		\$ 9,032.80
	b	RFI Review and Response		20		20		\$ 5,580.80
	c	Field Condition Design Revisions	2	20		20		\$ 5,990.42
		CONSTRUCTION PHASE SUPPORT SUBTOTAL	\$ 3,276.96	\$ 13,808.00	\$ -	\$ 6,386.40	\$ -	\$ 20,604.02
9		Other Services (LUMP SUM)						
	a	Lighting Design Services						\$ 15,290.00
	b	Sanitary Sewer TV Services						\$ 4,500.00
	c	SUE Services						\$ 5,000.00
	d	Utility Coordination						\$ 3,200.00
	e	Surveying						\$ 18,200.00
		OTHER SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,190.00
		Reimbursables						\$ 5,768.51
		TOTAL						\$ 198,052.19



PROJECT: NW Neighborhood Roadway Reconstruction

TASK: Location Map

PREPARED BY:

WGI 2035 Vista Parkway
 West Palm Beach, FL 33411
 Phone No. 561.687.2220
 Fax No. 561.687.1110
TM Cert No. 6091 - LB No. 7055

CAD Davis-Pstta-Dorson-Location Map.dwg

DRAWN	TEM	JOB NO.	41011004.xx
DESIGNED	TEM	TOTAL SHEETS	1
CHECKED	BO	DATE	2/28/2017
QC	BL	SCALE	N.T.S.

SHEET:
1