

**RESOLUTION 15-25**

**BE IT RESOLVED** that the appropriate officers of the City are authorized but not required to execute and deliver on behalf of the City that certain Task Order No. 1 to the April 8, 2014 Master Services Agreement between the City and Baskerville-Donovan, Inc., in a total amount of One Hundred Eighty Nine Thousand Eight Hundred Dollars (\$189,800), for the engineering, design, permitting and inspection services related to Edgewater Life Station No. 9 Replacement, in substantially the form attached and presented to the Council today, draft dated November 6, 2014, with such changes, insertions or omissions as may be approved by the City Manager, whose execution of such agreement shall be conclusive evidence of such approval.


**THIS RESOLUTION** shall be effective immediately upon passage.

**PASSED** in regular session this 13 day of November, 2014.

**CITY OF PANAMA CITY BEACH**

By:   
Gayle F. Oberst, Mayor

**ATTEST:**

  
\_\_\_\_\_  
Holly White, City Clerk

# Memorandum

To: Mario Gisbert

CC: Paul Casto, Holly White, John Alaghemand

From: Al Shortt *ASF*

Date: November 6, 2014

Subject: Engineering Services – Edgewater Lift Station #9  
Replacement

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Wastewater Lift Station #9, located in the parking area south of Front Beach Road and just east of the Edgewater condominiums, is one of four master lift stations that collect and re-pump raw wastewater from large areas of the City utility service area. Approximately 20% of the total sewer flow to the City wastewater treatment plant passes through this station and its reliable performance is critical to the utility system operation. The station is nearly 22 years old, and most components have reached the end of their service life. It is also located in the area being re-developed under the CRA Segment 2 Front Beach Road Project.

Staff has budgeted the replacement costs and negotiated an additional task order to the existing wastewater master services agreement with Baskerville-Donovan, Inc. for the engineering design, permitting and inspection services on this project. A copy is attached for your reference. The total fee for services is \$189,800.00. Staff has reviewed the proposal and finds the requested fee to be in line with the work effort. Staff further recommends that the City Council approve the engineering task and authorize the City Manager to execute the attached notice to proceed. The total estimated construction cost of this project is approximately \$1,500,000 and 85% of the costs will be paid with existing cash reserves, with the balance from existing sewer impact fees. Work will be coordinated with the CRA roadway project and staff estimates it will take approximately 16 months to complete planning, design, permitting and construction.

**EXHIBIT B**  
COMBINED TASK ORDER AND  
NOTICE TO PROCEED

TASK ORDER NO. 1

DATE : November 6, 2014

Reference is made to that certain MASTER SERVICES AGREEMENT BETWEEN CITY OF PANAMA CITY BEACH AND BASKERVILLE-DONOVAN, INC. RELATING TO MAJOR WASTEWATER ENGINEERING SERVICES dated April 8, 2014, (the Agreement), the terms, conditions and definitions of which are incorporated herein as if set forth in full. Neither party is in breach of the Agreement.

Pursuant to the Agreement, Engineer agrees to perform the specific tasks set forth upon incorporated Attachment A, Scope of Services, relating to **Edgewater Lift Station No. 9 Replacement**.

Engineer's total compensation shall be (check one):

\_\_\_\_\_ a stipulated sum of \_\_\_\_\_; or  
 a stipulated sum of **\$180,800** plus one or more specified allowances listed below which may be authorized in writing by the City Manager or his designee,  
    Allowance of **\$ 5,000** for **Geotechnical Engineering Services**, and  
    Allowance of **\$ 4,000** for **Permitting Services**; or  
\_\_\_\_\_ a fee determined on a time-involved basis with a maximum cost of \$\_\_\_\_\_;

Work shall begin on \_\_\_\_\_, 2014, and shall be completed within 480 days. The date of completion of all work is therefore \_\_\_\_\_, 201\_\_\_. Liquidated delay damages, if any, are set at the rate of \$0 per day. There are no additional rights and obligations related to this Task Order other than as specified in the Agreement.

Upon execution of this task order by both Engineer and City, Engineer is directed to proceed.

IN WITNESS WHEREOF the parties have caused these presents to be executed in their names on the date shown.

Witness:

BASKERVILLE-DONOVAN, INC.

\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Its:

CITY OF PANAMA CITY BEACH, FLA.

ATTEST:

\_\_\_\_\_  
City Clerk

By: \_\_\_\_\_ Date: \_\_\_\_\_  
City Manager

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**BACKGROUND**

Lift Station No. 9 is a primary conveyance node within the City's transmission system to transfer wastewater generated from the Edgewater area of the beaches area to the City's wastewater treatment facility. Existing configuration specifics of this station are a precast wetwell fitted with three submersible style pumps rated at 2,050 gallons per minute at 127 feet total dynamic head and was constructed in 1993. An existing, original station is also present and serves as a backup.

I. **SCOPE OF SERVICES**

The scope of services for this project includes final design, preparation of construction contract documents, assistance in obtaining regulatory agency approvals, bidding, construction and start-up services anticipated for the replacement of Lift Station No. 9.

**TASK SERIES 100 – PRELIMINARY DATA COLLECTION AND REVIEW**

**Task 110 – PRELIMINARY DATA COLLECTION, REVIEW AND CONCEPTUAL DESIGN**

Task includes review of the existing record drawings for the pumping stations and City-provided survey, site visit by mechanical, structural and electrical engineers for obtaining equipment model information and general particulars of the installation. A conceptual site plan indicating the horizontal location of the proposed major structures will be prepared and submitted for concurrence. Preliminary design flow and system head conditions shall be provided by the City and are conceptually approximately 4.5 MGD (3,125 gpm) peak hourly flow and 1.62 MGD (1,125 gpm) average daily flow.

**Deliverables** : Three (3) copies each of a confirmation statement of the work required in a letter report format and the proposed site plan.

**TASK SERIES 200 - FINAL DESIGN AND BIDDING SERVICES**

Following concurrence on the site plan, this Task includes analysis and design activities needed to determine the following tasks.

1. Demolition plan development with salvage schedule.

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2. Modification of the influent sewer and discharge piping coordinated with the City's other consultants on the Front Beach Road Segment II community redevelopment agency program.
3. Construction of a new, rectangular wetwell structure with influent screening basket and all associated discharge piping.
4. Electrical system upgrades (including new self-contained standby power generator and double walled fuel storage tank) to support the new pumping units including variable frequency drives all in precast concrete building.
5. Replacement of the pump controls and provision of a new flow meter.
6. Installation of a new remote terminal unit (RTU) and antenna for the SCADA system.
7. Associated sitework to tie-in with adjacent improvements.

**Task 210 – Preparation of Plans and Specifications**

The scope of services shall be those as identified in the Standard Form of Agreement Between Owner and Engineer for Professional Services Form E- 500 (copyright 2002) prepared by the Engineers Joint Contract Documents Committee (EJCDC) Paragraph A.1.03 "Final Design Phase" with the following modifications:

Paragraph A.1.03.A.4: The following deliverables shall be provided:

1. Projected opinions construction cost for the improvements using the contract documents at the 30, 60 and 90 percent completion levels. Opinions of cost will be prepared from manufacturer's quotations, detailed material take-offs, and past projects similar to the proposed project described herein.
2. An estimated construction time schedule that is integrated with the overall schedule of the CRA and work performed by other consultants.
3. Schedule and meet with Panama City Beach representatives to review comments on deliverables from 30, 60 and 90 percent completion level submittals.

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4. Incorporate Panama City Beach comments into final plans and specifications for this project.
5. Submit three (3) sets of final contract documents for each project to Panama City Beach, and make copies available to all interested parties at incurred cost plus ten percent.

Deliverables: Final work products reflected in deliverables for Task 210. One copy of design calculations and supporting documentation shall be provided in both digital and printed forms.

**Task 211 - Preparation of Plans and Specifications**

This Scope of Services also includes preparation of project documents at 30, 60, and 90% and ready-to-advertise plans and specifications for the structures and equipment identified in Task 210 above. Submittal for 30% completion level shall include a conceptual site plan, mechanical plans advanced to approximately the 50% completion level, single-line electrical, and proposed instrumentation and control diagrams. Submittal materials for the 60% completion level shall include all discharge piping, valves and other major mechanical components, overall structural demolition and improvements, site plan, electrical single line, motor control center and proposed instrumentation and control diagrams and scaled floor plan for the motor control center with all equipment located. Submittal for 90% completion level shall include all drawings advanced to this completion level, opinion of probable cost plus project specifications.

Deliverables: 30% level – One full-size printed set of drawings and one digital version on CD, 60% level – One full-size printed set of drawings, one printed set of specifications and one digital version of the drawing and specifications in pdf format on CD, 90% level - One full-size printed set of drawings, one printed set of specifications and one digital version of the drawing and specifications in pdf format on CD. All deliverables shall reflect the progress of all disciplines.

**Task 212 - Preparation of Final Opinion of Probable Cost and Construction Schedule**

- 1) Project the construction cost for the improvements using the contract documents of Task 211. Opinions of cost will be

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prepared from equipment manufacturer's quotations, detailed material take-offs and past projects similar to the proposed project described herein. Opinions of probable construction cost will be provided with 30, 90 and final completion submittals.

- 2) Develop an updated estimated construction time schedule.

Deliverables: Three (3) copies each of the final opinion of probable construction cost and estimated construction time schedule.

**Task 213 - Design Review**

- 1) Schedule and meet with Panama City Beach representatives to review comments on deliverables from 30, 60 and 90 percent completion level submittals.

Deliverables: Three (3) meetings with staff and follow-up correspondence documenting input received.

**Task 214 - Final Contract Documents**

- 1) Incorporate Panama City Beach comments into final plans and specifications for this project.
- 2) Submit final contract documents for the project to The City, and make copies available to all interested parties at incurred cost plus ten percent.

Deliverables: Two full-size printed set of drawings, two printed set of specifications and one digital version of the drawing and specifications in pdf format on a single CD. One copy of the calculations used to determine lift station design parameters in printed and digital formats.

**Task 220 - Bidding Services**

- 1) BDI will prepare and issue an Invitation to Bid to the City for public advertisement and provide a copies to selected bidders in the area

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known to specialize in the type of construction involved as well as local plan rooms (i.e. McGraw Hill Dodge; Construction Datafax, etc.).

- 2) Complete and compile for distribution plans and specifications (digital pdf form only) from final design efforts in Task Series 210.
- 3) Conduct and attend one (1) pre-bid conference for this project.
- 4) Review questions and comments posed by contractors and develop appropriate responses in Addendum format if needed.
- 5) Attend and conduct (if desired) the bid opening meeting for this project.
- 6) Tabulate and provide a certified copy of the bid results.
- 7) Check bidder compliance with the intent of the bid documents.
- 8) Access the State Bureau of Professional Regulation database to verify contractor's licensure status and whether any disciplinary actions were pending from the department against the bidders.
- 9) Assist City Staff in the selection of the most appropriate bid for the City's interests and provide a recommendation of award.
- 10) Prepare Notice of Award for the City based on final council action.

Deliverables: Two (2) copies of the bid tabulation and two (2) copies of the certified bid tabulation.

**TASK SERIES 300 – ENGINEERING SERVICES DURING CONSTRUCTION**

Construction phase services shall be provided in accordance with Paragraph A.1.05 – Construction Phase of the EJCDC E-500 Standard Form of Agreement Between Owner and Engineer for Professional Services with the following modifications:



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Paragraph A.1.05.A.2: - Resident Project Representative (RPR): These services shall be provided under Task 400 – Construction Observation.

Paragraph A.1.05.A.18 – Additional Tasks: The following tasks or deliverables shall be provided:

- 1) BDI will conform the contract documents relative to the awarded bid amounts and any addenda issued prior to receipt of bids. Three (3) copies of the complete contract documents (specifications and full-size drawings) shall be prepared and provided to the selected contractor for signature. After execution, these contract documents will be distributed by providing two copies each to the City and one to the contractor.
- 2) BDI will schedule and conduct a preconstruction conference to review contract specifics and general procedures.
- 3) BDI will notify the affected utilities in advance of the preconstruction conference to allow them the opportunity to have representation present.
- 4) BDI will review the contractor prepared schedule of values.
- 5) BDI will review and process monthly periodic pay requests including review and recommendations regarding progress payments by the City.
- 6) BDI will track, review and process drawing submittals for the components of the work. Reviews for multiple substitutions beyond one for equipment specified shall be the basis for additional compensation by the City.
- 7) Review and respond to requests for information (RFI), conflicts, clarifications, and claims that are submitted by the contractor, and prepare change orders. Review requests for substitutions that are submitted by the contractor and provide redesign and revisions of the Contract Documents as necessary. Revisions or redesign attributable

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to the work products of BDI shall be addressed at the expense of BDI. All services required for redesigns initiated at the request of the City will be invoiced based on hourly rates for labor and expense.

- 8) BDI will perform one substantial completion site visit to review completed work and develop a "punch list" for completion items.
- 9) BDI will perform up to two final completion site visits to confirm "punch list" item completion.
- 10) BDI will request and compile release of liens from subcontractors and suppliers and provide copies to the owner along with final release of liens by the project contractor.
- 11) BDI shall recommend final payment for contractor upon verification of satisfaction of outstanding liens and publication of project completion if required.
- 12) Deliverables: Electronic submittals will be required in the contract and the contractor shall prepare a compendium of all submittals in pdf format as a required submittal.

**Monthly Project Meetings**

- 1) A BDI engineer directly involved with the structural engineering work will attend up to two (2) monthly progress meetings.
- 2) A BDI engineer directly involved with the process mechanical work will attend up to two (2) monthly progress meetings.
- 3) A BDI engineer directly involved with the electrical and I&C work will attend up to two (2) monthly progress meetings.
- 4) A BDI engineer directly involved with the management of BDI's work will attend up to seven (7) monthly progress meetings.

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**Periodic Site Visits**

- 1) A technically-qualified BDI representative associated with the process mechanical work will provide up to two (2) mid-month site visits.

**Substantial and Final Completion Observation**

- 1) A technically-qualified BDI representative associated with the site civil work will provide up to one (1) each substantial and final completion observation site visits.
- 2) A technically-qualified BDI representative associated with the process mechanical work will provide up to one (1) each substantial and final completion observation site visits.
- 3) A technically-qualified BDI representative associated with the electrical and I&C work will provide up to one (1) each substantial and final completion observation site visits

**Start Up Services**

- 1) A technically-qualified BDI representative associated with the process mechanical work will provide up to one (1) day for start-up and testing of equipment.
- 2) Deliverables include copies of testing reports as produced through this effort.

**Record Drawings**

BDI shall prepare and provide digital and two, half-size prints of record drawings of the construction. Record drawings shall be based upon field survey information prepared by a licensed land surveyor and required of the contractor in the contract documents. Digital file shall be provided in Autocadd and pdf formats.

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**TASK SERIES 400 – RESIDENT PROJECT REPRESENTATIVE (RPR);**

BDI shall provide the services of a resident project representative (RPR) in accordance with EJCDC E-500 Standard Form of Agreement Between Owner and Engineer for Professional Services, Exhibit "A" Part 1- Basic Services, Paragraph A.1.05 – Construction Phase, Section A.2.

- 1) A senior technician experienced in construction observation shall visit the site each week after the contractor has mobilized and started construction. The level of effort will generally consist of an average of 22.5 hours per week for 28 weeks (7 months) of active construction. Construction observation, performed at the direction of the Owner, beyond 28 weeks shall be additionally compensated on an hourly basis. Engineer shall provide the Owner with written weekly updates of the hours charged. Engineer acknowledges Owner will not be responsible for payment of hours beyond that reasonably and customarily needed to document the work progress and general compliance with the contract documents as the work progresses. Proposed schedule assumes that active construction will not begin until four weeks after contractor is provided notice to proceed and active RPR hours weekly will vary with construction intensity. Active construction start date shall be defined as the date that proposed wetwell excavation begins.
- 2) Deliverables shall include copies of the daily observation logs, photographs and other documentation regarding construction progress.

**TASK SERIES 500 – ADDITIONAL SERVICES**

BDI shall provide additional services in accordance with EJCDC E-500 Standard Form of Agreement Between Owner and Engineer for Professional Services, Exhibit "A" Part 2 - Additional Services, Paragraph A2.01. With the following additions:

- 1) Subsurface exploration and geotechnical engineering.

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- 2) Assistance in applying for and securing necessary regulatory agency approvals for the proposed construction. BDI shall assist The City in acquiring permits from the Florida Department of Environmental Protection for the construction of this project. BDI will assist the City in securing the following permits:

*FDEP Form 62-604.300(8)(a) – Notification/Application for  
Constructing a Domestic Wastewater Collection/Transmission  
System*

*FDEP Form 62-62-604.300(8)(b) – Request for Approval to Place a  
Domestic Wastewater Collection/Transmission System into  
Operation*

Assistance in securing approvals for use of jurisdictional lands (wetlands), construction waterward of the coastal construction control line or stormwater management for siting needs in this project is specifically not included in this Scope of Work. Should it be determined that impacts are unavoidable, this agreement shall be revised accordingly. Assistance in securing site plan approval or other local government land development orders are not included in this Scope of Work. The contractor will be responsible for securing dewatering, new fuel storage tank inspections and certifications and stormwater management permits for construction activities.

BDI shall prepare the necessary permit application forms, appropriately certified, and supporting documents for approval of the project and submit application to local, state, and federal regulators for the permits noted. Permit fees associated with permit applications and approvals shall be paid by the City of Panama City Beach. Additional permitting assistance beyond that specifically highlighted within this document may be provided by supplemental authorization by the City.

If desired by the City, BDI shall conduct one pre-application meeting with the Florida Department of Environmental Protection Northwest District office for the purposes of familiarizing reviewers with the overall project and address initial questions regarding the proposed program.

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BDI shall prepare a response to one request for additional information from the regulatory agency for the permits noted. Any comments due to a lack of a complete submittal shall be prepared and submitted at the expense of BDI. Additional assistance including meetings and preparation of responses to subsequent requests for additional information beyond completeness items may be provided by supplemental authorization from the City of Panama City Beach.

BDI shall prepare the final certifications required to substantiate construction completion and any deviations from the permitted activities as required by the permits indicated.

Deliverables: Three (3) copies each of the necessary permit application forms and supporting documentation for the permits noted. It is anticipated that two (2) sets of these documents will be forwarded to the applicable jurisdictional agency for review. One copy of each response for additional information shall be provided to the City.

- 3) Reviews of O&M submittals from the contractor. The contractor will be required to provide a digital compendium of the manufacturer's standard manuals for equipment furnished with facility-specific information noted.

Deliverables: One searchable pdf copy of the manual on CD.

II. SUBCONSULTANTS

A subconsultant for geotechnical engineering is anticipated to be required for delivery of this Scope of Work.

III. OWNER'S RESPONSIBILITIES

- 1) Review and comment on the 30, 60 and 90 percent design submittals for the replacement of the pumping station.
- 2) Allow the engineer access to the site and provide record information as

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needed to assist in the design and evaluation process.

- 3) Meet with regulatory authorities to discuss permitting issues, as required.
- 4) Provide timely input to BDI, as necessary, for shop drawing submittals, substitution requests, claims, conflicts, requests for information, change orders, and other issues that may arise during construction.
- 5) Provide all copies of records of original construction (i.e. shop drawings, O&M submittals, record drawings, substitution requests, etc.) to BDI for review and incorporation into the construction documents.

**IV. COMPENSATION**

The City shall pay BDI for the Scope of Services in lump sum amounts as follows:

BDI proposes to provide the Final Design, Bidding and Negotiation and Construction Phase Engineering Services detailed in the Scope of Services indicated with compensation in accordance with USDA Florida RUS Bulletin 1780-9 (revised 10/2009) – Final design, bidding, negotiation and construction phase engineering services. Resident Project Representative Services detailed in the Scope of Services indicated with compensation on a lump sum basis. Application of this basis of compensation shall be as follows:

Standard Engineering Services Fee Percentage shall be based upon the actual net construction contract amount using Table I. Fee amount shall be calculated by the net construction contract amount, projected to be approximately \$1.5M (see Exhibit 1 opinion of probable cost) multiplied by the fee percentage as follows:

Projected Net Construction Contract Amount: \$1.5M  
Fee percentage from RUS Bulletin Table 1: 8.00%  
Standard Engineering Svcs. Fee: \$1.5M × 8.00% = \$120,000

Standard Project Representative Services shall be fixed lump sum based upon the \$1.5M opinion of probable cost and will not float with the net construction contract amount. Lump sum amount shall be based upon the percentages allowed under RUS Bulletin 1780-0 (Revised 06/2007) which is the last version that we know of that

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indicated percentage based construction observation fees. In this case, fee percentage would be 3.80% based upon the \$1.5M opinion of cost (\$1.5M x 3.8%) or \$57,000.

Additional services indicated in Task Series 500 shall be compensated on a cost-plus basis with the following allowances:

Topographic survey and legal description services (by others):	\$ 0
Subsurface exploration and geotechnical engineering:	\$ 5,000
FDEP construction/operation permit acquisition assistance:	\$ 4,000

These are budgetary amounts and may be increased with prior approval by the Owner or decreased based upon the actual cost incurred.

Recapitulation: (Standard Engineering Services fees to be modified based upon the actual construction contract amount. For the purposes of this proposal a construction contract value of \$1.5M is assumed).

Task	Fee
Preliminary Design	\$3,800 (fixed lump sum)
Standard Engineering Services	\$120,000 (% based lump sum)
Resident Project Representative	\$57,000 (fixed lump sum)
Additional Services	
Geotechnical Engineering	\$5,000 (allowance)
FDEP Const./Op. Permitting	\$4,000 (allowance)
Total	\$189,800

V. CONTRACTUAL BASIS

This proposal is provided under the terms of our continuing engineering services Agreement – Major Wastewater Projects, dated April 8, 2014

VI. SCHEDULE

The City requires a very aggressive schedule to advance the design rapidly. As such, the City shall allow standardization based upon similar pumping stations provided for the City previously. Anticipated schedule of deliverables for this program is as follows. This schedule is based on a normal three business day City review duration and excludes any unanticipated impacts derived



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from the permitting agencies.

<b>Milestone</b>	<b>Days Following Receipt of City Review Comments</b>	<b>Anticipated Completion Date</b>
Notice to Proceed		11/15/2014
Perform Geotechnical Evaluation	21	12/6/2014
30% Completion Level Design Documents	14	11/29/2014
60% Completion Level Design Documents	14	12/13/2014
90% Completion Level Design Documents	21	1/3/2015
Submit for FDEP Construction Permit	14	1/17/2015
Final Construction Documents	5	1/22/2015
Contract Advertisement	7	1/29/2015
Award	30	2/28/2015
Notice to Proceed	7	3/7/2015
Mobilize to Jobsite and Commence Excavation	30	3/30/2015
Substantial Completion	210	10/3/2015
Final Completion	30	11/2/2015

**ATTACHMENT A - SCOPE OF WORK UNDER  
MAJOR SERVICES AGREEMENT BETWEEN CITY OF PANAMA CITY BEACH AND  
BASKERVILLE DONOVAN, INC. RELATING TO MAJOR WASTEWATER ENGINEERING  
SERVICES DATED APRIL 8, 2014  
LIFT STATION NO. 9 REPLACEMENT  
TASK SERIES 100 THROUGH 500 – PRELIMINARY, FINAL DESIGN AND BIDDING,  
CONSTRUCTION AND START-UP SERVICES**

*October 24, 2014*

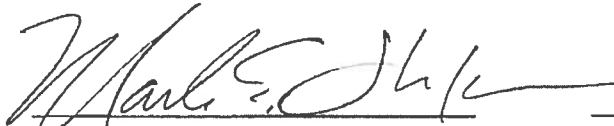
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**VI. METHOD OF COMPENSATION**

Compensation shall be in accordance with the Master Services Agreement dated April 8, 2014 consistent with that provided in this amendment. If the City of Panama City Beach requests the design of any additional components or buildings, then the City agrees to negotiate additional scope or level of services with corresponding modification of compensation with BDI where necessary.

**BASKERVILLE-DONOVAN, INC.**

**CITY OF PANAMA CITY BEACH**



\_\_\_\_\_  
Mark E. Shaeffer, P.E.  
VP Regional Manager

\_\_\_\_\_  
Mario Gisbert  
City Manager

10/24/2014  
Date

\_\_\_\_\_  
Date

**EXHIBIT 1 - CONCEPTUAL OPINION OF COST FOR  
LIFT STATION NO. 9 REPLACEMENT**

10/14/2014

ITEM	DESCRIPTION	QUANT.	UNIT	Mean (2008\$)	Median (2008\$)	Projected (2008\$)
1	Mobilization / Demobilization (>2.5% of Total Bid)	1	LS	\$40,000	\$34,259	\$20,000
2	Record Drawings and O&M Manuals (>1.5% of Total Bid)	1	LS	\$24,109	\$19,496	\$10,000
3	Sitework (including fence, gate, gravel, drive, water lines, water pollution control, etc)	1	LS	\$67,606	\$96,407	\$25,000
4	Precast Concrete Building	1	LS	\$43,437	\$47,003	\$47,000
5	Cast - in- Place Concrete	1	LS	\$230,063	\$287,682	\$270,000
6	Gravity Sewer Piping and Manholes	1	LS	\$62,000	\$65,482	\$64,000
7	Pumps, VFDs, Control and SCADA package including hatches, Safety grates, base elbows, etc.)	1	LS	\$296,325	\$302,492	\$300,000
8	Genset with Level III Enclosure, Fuel Tank with 600 gallons fuel and transfer switch	1	LS	\$133,492	\$130,540	\$131,000
9	All other electrical	1	LS	\$169,598	\$189,068	\$180,000
10	On-site force main piping, valves, etc.	1	LS	\$155,500	\$166,688	\$160,000
11	Flow meter system	1	LS	\$16,036	\$45,587	\$40,000
13	Odor control systems	1	LS	\$12,700	\$12,096	\$12,700
14	Demolition of existing dry pit pump station, manholes, sewer, force mains and other related items excluding item 14.	1	LS	\$35,000	\$33,682	\$35,000
15	Disposal of Soil @ Landfill (10CY)	10	EA	\$7,760	\$7,199	\$8,000
16	Irrigation, Landscaping and well system	1	LS	\$1,000	\$758	\$1,000
17	Testing Allowance	1	LS	\$21,235	\$22,633	\$22,700
18	Gulf Power Allowance	1	LS	\$10,000	\$10,000	\$10,000
19	Permits Fee Allowance	1	LS	\$10,000	\$10,000	\$10,000
20	MOT	1	LS	\$3,000	\$4,223	\$4,300
21	Bonds and Insurance	1	LS	\$25,000	\$26,697	\$26,700
22	Hold Harmless	1	LS	\$10	\$10	\$10
	<b>TOTAL BASE BID</b>			<b>\$1,363,871</b>	<b>\$1,512,002</b>	<b>\$1,377,410</b>

Lift Station - 2015 PW of 2008 mean costs @ 2% inflation	\$1,566,659
Lift Station - 2015 PW of 2008 median costs @ 2% inflation	\$1,736,815
Lift Station - 2015 PW of 2012 projected costs @ 2% inflation	\$1,582,211