

**APPENDIX B  
RESPONSE FORM FOR SOLICITATION 075-16**

**PEARL STREET SERVICE CENTER PAVING AND DRAINAGE**

Submit an **original , two (2) copies and one (1) CD** along with other required forms in a sealed envelope to: JEA Procurement Dept., 21 W. Church St., Bid Office, Customer Center, 1<sup>st</sup> Floor, Room 002, Jacksonville, FL 32202-3139.

Company Name: Kirby Development, Inc State of Florida License #'s CGC059922 / CUC056973

Company's Address 108 Lee Road, Jacksonville, Florida 32225

Phone Number: 904-821-5010 FAX No: 904-821-5011 Email Address: pbk@kirbydevelopment.com

<b>BID SECURITY REQUIREMENTS</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Certified Check or Bond (Five Percent (5%))	<b>TERM OF CONTRACT</b> <input type="checkbox"/> One Time Purchase <input type="checkbox"/> Annual Requirements <input checked="" type="checkbox"/> Other, Specify – Project Completion
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<b>SAMPLE REQUIREMENTS</b> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Bid Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<b>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Bond required 100% of Bid Award
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<b>QUANTITIES</b> <input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	<b>INSURANCE REQUIREMENTS</b> <p align="center"><b>Insurance required</b></p>
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**PAYMENT DISCOUNTS**  
 1% 20, net 30  
 2% 10, net 30  
 3% 5, net 30  
 Other \_\_\_\_\_  
 None Offered

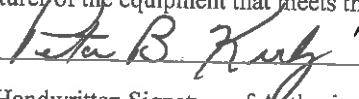
#	ENTER YOUR BID FOR THE IFB 075-16	TOTAL BID PRICE
1	<b>Pearl Street Service Center Paving and Drainage (Lump Sum)</b>	\$ 781,396.00

**BIDDER'S CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidder's Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation, and that the Bidder is an authorized distributor or manufacturer of the equipment that meets the Technical Specifications stated herein.

We have received addenda

1 through 3

  
 \_\_\_\_\_  
 Handwritten Signature of Authorized Officer of Company or Agent

7-6-2016  
 \_\_\_\_\_  
 Date

Peter B. Kirby, President  
 \_\_\_\_\_  
 Printed Name and Title

BID BOND

STATE OF FLORIDA

COUNTY OF: Duval )

KNOW ALL PERSONS BY THESE PRESENTS, That we, Kirby Development, Inc. (hereinafter called "Principal"), and FCCI Insurance Company as Surety (hereinafter called "Surety"), are held and firmly bound unto the JEA of the City of Jacksonville, Florida (hereinafter called the "JEA"), in the sum of \$ 5% of Bid, lawful money of the United States of America, for the payment which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents:

WHEREAS, the Principal contemplates submitting or has submitted a Bid to the JEA for:

Pearl Street Paving and Drainage Improvements  
\_\_\_\_\_  
\_\_\_\_\_  
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WHEREAS, it was a condition precedent to the submission of said Bid that a certified check or Bid Bond in the amount of 5% be submitted with said Bid as a guaranty that the Principal would, if awarded the contract, enter into a written contract with the JEA and furnish a Section 255.05 Florida Statutes Contract Bond in an amount equal to 100% for the performance of said contract, within ten consecutive calendar days after written notice being given of acceptance by the JEA.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the Bid of the Principal herein be accepted and said Principal, within ten consecutive calendar days after written notice being given of such acceptance, enters into a written contract with the JEA, and furnishes a Section 255.05, Florida Statutes Contract Bond in an amount equal to 100% satisfactory to the JEA, then this obligation shall be void; otherwise, the sum herein stated shall be due and payable to the JEA, and the Surety herein agrees to pay said sum immediately upon demand of said JEA, in good and lawful money of the United States of America; as liquidated damages for failure thereof of said Principal.

IN WITNESS WHEREOF, the said Principal and the said Surety have duly executed this bond the 5th day of July, 2016. X

ATTEST:

Lisa Kirby  
Signature  
Lisa Kirby  
Type/Print Name

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Type/Print Name

Signed, Sealed and Delivered  
in the Presence of:

Kassandra S. Sullins  
Signature  
Kassandra S. Sullins  
Type/Print Name

Annette Evans  
Signature  
Annette Evans  
Type/Print Name

Kirby Development, Inc.  
(Principal Company Name)  
Peter B. Kirby  
Signature  
Peter B. Kirby  
Type/Print Name  
President  
Title  
**AS PRINCIPAL**

FCCI Insurance Company  
(Surety Company Name)  
Walter N. Myers  
Signature  
Walter N. Myers  
Type/Print Name  
Attorney-in-Fact  
Title  
**AS SURETY**

Name of Agent: Cecil W. Powell & Company

Address: 219 N. Newnan St., Jacksonville, FL 32202

Countersigned:

By Walter N. Myers  
Resident Agent - Walter N. Myers, Florida  
State of Florida Licensed Resident Agent

Name of Firm: Cecil W. Powell & Company

Address: 219 N. Newnan St., Jacksonville, FL 32202

Form Approved:

\_\_\_\_\_  
Assistant General Counsel



More than a policy. A promise.

## GENERAL POWER OF ATTORNEY

Know all men by these presents: That the FCCI Insurance Company, a Corporation organized and existing under the laws of the State of Florida (the "Corporation") does make, constitute and appoint:

Robert T Theus, Walter N Myers, Ben Powell, Susan W Jordan, Fitzhugh Powell Jr

Each, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, and as its act and deed in all bonds and undertakings provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed the sum of (not to exceed \$5,000,000): **\$5,000,000 00**

This Power of Attorney is made and executed by authority of a Resolution adopted by the Board of Directors. That resolution also authorized any further action by the officers of the Company necessary to effect such transaction.

The signatures below and the seal of the Corporation may be affixed by facsimile, and any such facsimile signatures or facsimile seal shall be binding upon the Corporation when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached

In witness whereof, the FCCI Insurance Company has caused these presents to be signed by its duly authorized officers and its corporate Seal to be hereunto affixed, this 22<sup>ND</sup> day of September, 2011.

Attest:

Craig Johnson  
Craig Johnson, President  
FCCI Insurance Company



Thomas A. Koval  
Thomas A. Koval Esq., SVP, General Counsel,  
Government Affairs and Corporate Secretary  
FCCI Insurance Company

State of Florida  
County of Sarasota

Before me this day personally appeared Craig Johnson, who is personally known to me and who executed the foregoing document for the purposes expressed therein

My commission expires: 9/25/2016

**ARLENE CUEMAN**  
Notary Public, State of Florida  
My Comm. Expires Sept. 25, 2016  
No. EE 213092

Arlene Cueman  
Notary Public

State of Florida  
County of Sarasota

Before me this day personally appeared Thomas A. Koval, Esq., who is personally known to me and who executed the foregoing document for the purposes expressed therein

My commission expires: 9/25/2016

**ARLENE CUEMAN**  
Notary Public, State of Florida  
My Comm. Expires Sept. 25, 2016  
No. EE 213092

Arlene Cueman  
Notary Public

## CERTIFICATE

I, the undersigned Secretary of FCCI Insurance Company, a Florida Corporation, DO HEREBY CERTIFY that the foregoing Power of Attorney remains in full force and has not been revoked; and furthermore that the February 24, 2011 Resolution of the Board of Directors, referenced in said Power of Attorney, is now in force.

Dated this 5<sup>th</sup> day of July, 2010

Thomas A. Koval  
Thomas A. Koval, Esq., SVP, General Counsel,  
Government Affairs and Corporate Secretary



APPENDIX B MINIMUM QUALIFICATIONS FORM

075-16 PEARL STREET SERVICE CENTER PAVING AND DRAINAGE

GENERAL

THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED BIDDER BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW, AND BE ABLE TO PROVIDE ALL THE SERVICES LISTED IN THIS SOLICITATION.

THE BIDDER MUST COMPLETE THE BIDDER INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE BIDDER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM.

PLEASE SUBMIT THE ORIGINAL AND TWO (2) COPIES OF THIS FORM AND ANY REQUESTED ADDITIONAL DOCUMENTATION WITH THE BID SUBMISSION.

BIDDER INFORMATION

COMPANY NAME: Kirby Development, Inc

BUSINESS ADDRESS: 108 Lee Road

CITY, STATE, ZIP CODE: Jacksonville, Florida 32225

TELEPHONE: 904-821-5010

FAX: 904-821-5011

E-MAIL: pbk@kirbydevelopment.com

PRINT NAME OF AUTHORIZED REPRESENTATIVE: Peter B. Kirby

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Peter B. Kirby, President

MINIMUM QUALIFICATIONS:

- Minimum Qualifications:
  - Bidder must show evidence of (2) two similar contract being completed in Duval County and valuing \$400,000 or more in the last (3) three year ending June 1, 2016. Similar contracts means: Installing drainage structures, grading work, asphalt replacement, and striping.





**FLORIDA TRENCH SAFETY ACT ACKNOWLEDGEMENT**

If this Project involves trench excavations that will exceed a depth of 5 feet, pursuant to Florida Statutes, Chapter 553, Part VI, Trench Safety Act will be in effect and the undersigned Bidder hereby certifies that such Act will be complied with during the construction of this project.

Bidder acknowledges that included in the various items of the bid and in the total bid price are costs for complying with the Florida Trench Safety Act. Bidder further identifies the cost to be as summarized below:

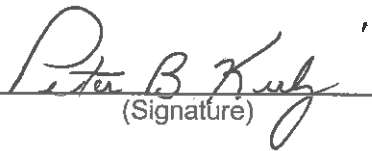
Trench Safety Measure (Description)	Units of Measure (LF SY)	Quantity	Unit Cost	Extended Cost
A. Trench Shield	LS	1	4,650.00	4,650.00
B.		0	-	-
C.				
D.				
			TOTAL \$	4,650.00



**CONSTRUCTION AND DEMOLITION DEBRIS DISPOSAL**  
**(See Section II - Subsection 8 - Special Instructions to Bidders)**

Construction and demolition debris at the job site will be disposed of at Advanced Disposal  
8450 Old Kings Rd N.

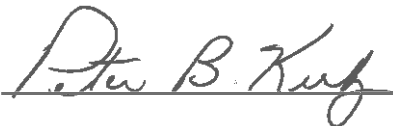
This location is subject to Certificate of Necessity No. 90-339-133 and is  
designated by Public Utilities Permit No. 90-4

  
\_\_\_\_\_  
(Signature)  
  
\_\_\_\_\_  
President  
(Title)

LIST OF SUBCONTRACTORS AND SHOP FABRICATORS

The following subcontractors will be utilized in fulfilling the terms and conditions of a Contract arising from award of JEA Solicitation Number 075-16. I (We) the undersigned understand that failure to submit said information will result in bid rejection. I (We) will employ the subcontractors specified below: (Use additional sheets as necessary)

Class of Work (Category)	*Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Percentage of the Work or Dollar Amount
Precast Concrete Structures	Standard Precast, Inc	Chip McGee 904-268-0466	3%

Signed 

Company Kirby Development, Inc

Address 108 Lee Road, Jacksonville, Florida 32225

Date: 7/6/2016

Note: This list shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of the JEA. The percentage of Work or Dollar amount allocated to each subcontractor shall not be changed more than ± 2% without a showing of good cause and the written consent of the JEA. See also Section II, Special Instructions to Bidders.

## **CONSTRUCTION WORK PLAN AND SCHEDULE**

**DATE:** 7/6/2016

**PROJECT:** JEA Pearl Street Paving and Drainage Upgrades

**CONTRACTOR:** Kirby Development, Inc

## SEQUENCING PLAN

**PROJECT:** Pearl St. Paving and Drainage Upgrades

**CONTRACTOR:** Kirby Development, Inc

**DATE:** 7/7/2016

	Description	Start	Finish
1	Mobilization	7/20/2016	7/20/2016
2	Erosion Control	7/21/2016	7/21/2016
3	Demolition	7/22/2016	8/22/2016
4	Seal Coat		
	a. SW Car Lot	7/26/2016	7/26/2016
	b. Central Truck Parling	8/6/2016	8/6/2016
5	SE Quadrant		
	a. Drainage	8/8/2016	8/11/2016
	b. Paving, Asphalt	8/20/2016	8/20/2016
6	SW Quadrant		
	a. Drainage	8/11/2016	8/17/2016
	b. Paving, Asphalt	8/21/2016	8/21/2016
7	NW Quadrant		
	a. Drainage	8/18/2016	8/27/2016
	b. Paving, Asphalt	8/31/2016	9/2/2016
	c. Paving, Concrete	8/29/2016	8/30/2016
8	NE Quadrant		
	a. Drainage	8/29/2016	9/10/2016
	b. Limerock Base	9/12/2016	9/19/2016
	c. Paving, Asphalt	9/20/2016	9/23/2016
9	Striping		
	a. Temporary	7/28/2016	8/8/2016
	b. Permanent	9/24/2016	9/26/2016
10	Miscellaneous	7/26/2016	9/26/2016

Overall plan is to construct repairs, seal coat and stripe the car parking area in SW quadrant. Then begin the storm drainage in both the SE and SW Quadrants. Once drainage is consatruacted we will begin asphalt preparations in the SW and SE quadrants and seal coat the cenral truckparing area. Construction of the Storm drainage sytem in the NW quadrant would begin simutaneously progressing to to the NE . Once constructed work would begin on asphalt preparations including the ice distribution area. Finally asphalt paving and permanent striping.

# Contractor's Quality Control Plan

## **Contractor:**

Kirby Development, Inc.  
108 Lee Road  
Jacksonville, Florida 32225

## **Project:**

Pearl Street Paving and Drainage Upgrades  
JEA 075-16  
Jacksonville, Florida

## **Owner:**

JEA

## GENERAL INFORMATION

### QCP - 3.1 General

This Quality Control Plan (QCP) is being submitted for the work to be performed on this project per the Specifications.

### QCP - 3.2 Personnel

**QCP - 3.2.1 Quality Control Manager** - The primary contact for the JEA on this project will be Justin Scarberry of Ellis & Associates, Inc. (E&A) who will serve as the project's Quality Control Manager (Primary). In the event of illness, or in the absence of Mr. Scarberry, then Chance Leonard (E&A) will serve as the Alternate QC Manager. Contact information for the QC Manager(s) is as follows:

Name: Justin Scarberry (QC Mgr.)  
TIN: S61643979  
Office: (904) 880-0960  
Cell: (904) 219-0277  
Email: [j.scarberry@ellisassoc.com](mailto:j.scarberry@ellisassoc.com)

Name: Chance Leonard (Alt. QC Mgr.)  
TIN: L56310181  
Office: (904) 880-0960  
Cell: (904) 424-0378  
Email: [c.leonard@ellisassoc.com](mailto:c.leonard@ellisassoc.com)

**QCP - 3.2.2 Responsibilities** - The QC Manager has full control of all matters relating to quality control issues. This person shall supervise the QC staff on the project. The QC Manager has full authority to act as Kirby Development, Inc. agent to institute all actions necessary for the successful implementation of the QC Plan. This person shall ensure that all QC staff has a copy of the approved project QC Plan. The QC Manager will also ensure that all QC tests are entered into the project reporting database (Ellis & Associates E-Reports) as needed. JEA's representative(s) will be added to the report distribution as requested.

## PRECAST CONCRETE PRODUCTS

**PCP - 3.2.1 Qualifications:** The Quality Control Manager as stated in section QCP 3.1 is the primary point of contact for quality control issues on the project.

**PCP - 3.3 Raw materials:**

**PCP – 3.3.1 Sources:**

**Precast Concrete Drainage Structures: TBD**

**Reinforced Concrete Pipe: TBD**

**PCP - 3.3.2 Certifications:** The QC Manager or Kirby Development will verify the raw material supplier is an approved source to supply Drainage products, and submit for approval to the Engineer prior to use.

**PCP - 3.3.3 Disposition of Failing Materials:** See Producer's QC Plan.

**PCP – 3.4 Storage facilities for Raw Materials:** See Producer's QC Plan.

**PCP – 3.5 Production Equipment:** See Producer's QC Plan.

**PCP – 3.6 Plant Requirements:**

**PCP – 3.6.1 Plant Identification:** See Producer's QC Plan.

**PCP – 3.6.2 Process Control System:** See Producer's QC Plan.

**PCP – 3.6.3 Loading and Shipping Control:** See Producer's QC Plan.

**PCP – 3.6.4 Types of Products Generated:** See Producer's QC Plan.

**PCP – 3.7 Other Requirements:**

**PCP – 3.7.1 Copy of Certification:** N/A

**PCP – 3.7.2 Statement of Compliance:** The material and processes used in the construction of this project will comply with all quality requirements set forth by the County.

**PCP – 3.7.3 Information on Producer’s Quality Control Plan:** See Producer’s QC Plan.

**PCP – 3.8 Final Manufactured Product – Plant Operations:** See Producer’s QC Plan.

**PCP – 3.8.1 Storage:** See Producer’s QC Plan.

**PCP – 3.8.2 Disposition of Failing Materials:** See Producer’s QC Plan.

**PCP – 3.9 Final Manufactured Product – Field Operations:**

**PCP – 3.9.1 Transportation:** The applicable supplier will deliver product to the jobsite. Once product is placed in storage area as addressed in section PCP-3.9.2, a front-end loader with or without forklift attachment will be used to relocate product within job limits. A chain or other support straps will be used to hold product secure during transporting to ensure that product is not damaged.

**PCP - 3.9.2 Storage:** The applicable supplier will deliver product to the jobsite storage area. Upon arrival at the jobsite, product will be placed in a designated storage area and all precautions will be taken to ensure products are not damaged during off loading or storage. Should damage occur during storage and not repairable, the item will be rejected for use on this project. The length of storage will be minimized to preclude deterioration to the product.

**PCP - 3.9.3 Placement:** Final placement of precast concrete products will be accomplished by accepted construction practices.

**PCP - 3.9.4 Disposition of Failing Materials:** Upon arrival at the project, final manufactured product materials will be inspected. Any precast products found not to meet project specifications will be identified, marked and removed from project.

**PCP - 3.10 Testing Laboratories:** See Producer’s QCP.



**TIMBER PRODUCTS – N/A**

**METAL PIPE – NA**

**PRESTRESSED CONCRETE PRODUCTS – NA**

**STRUCTURAL STEEL AND MISCELLANEOUS METALS – N/A**

## EARTHWORK

### EWK - 3.2 Personnel

**EWK - 3.2.1 Personnel:** The following is a list of personnel that may be on the project and their qualifications.

Name	Company	TIN	Level of Qual.
TBD			

### EWK - 3.2.2 Level of Responsibility:

The Quality Control Manager is the primary point of contact for quality control issues on the project. The Alternate Quality Control Manager would serve as temporary Quality Control Manager should illness or other unavoidable conflict occur with the Quality Control Manager.

An Earthwork Technician will be in responsible charge of assisting the contractor in achieving density in the most accurate and time saving method, by having full knowledge of density theory, and the specifications. Also, checking soil classification to ensure that the soil utilized is the same soil that proctors were acquired on. They will also take soil samples from pits and/or jobsite sources to the lab for sampling, perform nuclear density, and reporting results.

### EWK - 3.3 Raw Materials:

#### EWK - 3.3.1 Sources:

**Embankment** – Embankment and backfill materials will be subject to preliminary testing to comply with specification requirements prior to use to the satisfactory of the owner. If borrow material is needed the source will be submitted at a later date and prior to use for pre-approval by the Engineer.

**Limerock Base** – Limerock Base materials will be subject to preliminary testing to comply with specification requirements prior to use to the satisfactory of the owner. The source for limerock material will be TBD

**Reclaimed Concrete Aggregate(Crushcrete)** – N/A

**EWK - 3.3.2 Certification:** The QC Manager or designee of Kirby Development, Inc. will visually verify that the material is suitable.

**EWK - 3.3.3 Disposition of Failing Materials:** See EWK - 3.9.4.

**EWK - 3.4 Storage Facilities for Raw Materials:** Borrow and limerock material will be stockpiled within a designated storage area or placed directly in its final location. Caution will be taken to ensure that these materials are not contaminated or mixed

together while stockpiled. If necessary, a silt fence or other acceptable method of separating the materials will be implemented.

**EWK - 3.5 Production Equipment: N/A.**

**EWK - 3.6 Plant Requirements: N/A.**

**EWK - 3.7 Other Requirements**

**EWK - 3.7.1 Copy of Certifications: N/A.**

**EWK - 3.7.2 Statement of Compliance:** Included in the general statement of compliance.

**EWK - 3.7.3 Information on Producer's Quality Control Plan: N/A.**

**EWK - 3.7.4 Describe Documentation Procedure**

**EWK - 3.7.4.1 Test Data Entry:** A representative of Ellis & Associates, will enter all pertinent information into the reporting system (E-Reports). Reports will be reviewed by Ellis engineers and signed and sealed prior to distribution. Representatives of JEA will be added to the report distribution as needed.

**EWK - 3.7.4.2 Quality Control Log Book: NA**

**EWK - 3.8 Final Manufactured Product Plant Operations: N/A**

**EWK - 3.9 Final Manufactured Product – Field Operations**

**EWK - 3.9.1 Transportation: N/A**

**EWK - 3.9.2 Storage:** If a panel cannot be placed and the

**EWK - 3.9.3 Placement:** Calibration frequency for the Nuclear Gauge will be maintained as per JEA and Manufacturer's requirements. The QC Manager will notify the Project Engineer when new materials are encountered and/or additional sampling is required.

All material testing frequencies will be in accordance with the project specifications. In the event of added work, testing frequencies will be in accordance with the project specifications.

**EWK - 3.9.4 Placing MSE Wall Backfill: N/A**

**EWK - 3.9.5 Disposition of Failing Materials:** The QC Manager, or his designee, will monitor test results for trends and take appropriate action to adjust processes to ensure conformance to specifications. When material does not

conform to the specifications, additional testing will be performed. The QC Manager will report findings to the Project Engineer, the Contractor's Project Manager and/or Superintendent, and the appropriate subcontractor.

**EWK - 3.10 Testing Laboratories:** Laboratories that will perform all earthwork related Quality Control testing include:

**Primary:** Ellis & Associates, Inc.  
7064 Davis Creek Road  
Jacksonville, FL 32256  
Phone: (904) 880-0960  
Fax: (904) 880-0970  
FDOT Lab ID: I02009

## ASPHALT

**HMA - 3.2 Personnel:** The asphalt producer will be **TBD** and the producer will provide all asphalt related Quality Control at the plant. The following is a list of personnel that may be on the project and their qualifications.

### HMA - 3.2.1 Qualifications:

#### Quality Control Manager:

Name: Justin Scarberry (QC Mgr.)  
TIN: S61643979  
Office: (904) 880-0960  
Cell: (904) 219-0277  
Email: [j.scarberry@ellisassoc.com](mailto:j.scarberry@ellisassoc.com)

Name: Chance Leonard (Alt. QC Mgr.)  
TIN: L56310181  
Office: (904) 880-0960  
Cell: (904) 424-0378  
Email: [c.leonard@ellisassoc.com](mailto:c.leonard@ellisassoc.com)

#### Asphalt Producer: **TBD**

#### Paving Level 1 Personnel: Ellis & Associates, Inc.

**TBD**

#### Paving Level 2 Personnel: Ellis & Associates, Inc.

**TBD**

#### Mix Designer: see Producer's QCP.

In the event the above listed personnel are not available, qualified personnel will be utilized, and the Engineer will be notified within 24 hours with the name and TIN.

**HMA - 3.2.2 Level of Responsibility:** The primary contact for Asphalt Paving and Production will be a designee to be named by the asphalt producer.

The Paving Technician will be in responsible charge of the paving operations. This individual will also be responsible for monitoring the mix spread rate, monitoring the pavement cross slope, preparing all required reports and documentation, cutting of cores and transporting to the asphalt lab, and

monitoring the mix temperature of the first five loads and every fifth load thereafter. Also, will be responsible for temperature and verifying density with a density measuring device.

### HMA - 3.3 Raw Materials:

**HMA - 3.3.1 Source:** The following plant will be used to provide Hot Mix Asphalt for the project:

**Primary Plant:** TBD

Plant No.:  
Plant Mgr.:  
Address:  
Phone:  
Email:

**Alternate Plant:** TBD

Plant No.:  
Plant Mgr.:  
Address:  
Phone:  
Cell:  
Email:

Asphalt mix designs:      Structure: TBD

- *Mixes from alternate plant to be submitted later if needed.*

**HMA - 3.3.2 Certification:** Mixtures and products incorporated into the project will be in conformance to specifications. Load tickets will bear approved mix design number and/or producer certification. The design mixes for this project will be submitted to the Project Engineer for approval. Copies of the approved design mixes will be submitted under a revision to this plan prior to paving operations taking place.

**HMA - 3.3.3 Disposition of Failing Materials:** See Producer's QC Plan and HMA - 3.9.4.

**HMA - 3.4 Storage Facilities for Raw Materials:** Hot Mix Storage is addressed in the Producer's Quality Control Plan.

**HMA - 3.5 Production Equipment:** See Producer's QC Plan.

**HMA - 3.6 Plant Requirements:**

**HMA - 3.6.1 Plant Identification:** See Producer's QC Plan.

**HMA - 3.6.2 Process Control System:** See Producer's QC Plan.

**HMA - 3.6.3 Loading and Shipping Control:** See Producer's QC Plan.

**HMA - 3.6.4 Types of Products Generated:** See Producer's QC Plan.

**HMA - 3.7 Other Requirements:**

**HMA - 3.7.1 Copy of Certification:** Certifications and delivery tickets for items such as tack, prime, and asphalt mix delivery tickets will be delivered to the JEA representative as requested.

**HMA - 3.7.2 Statement of Compliance:** The materials and processes used in the construction of this project will comply with all quality requirements set forth by the JEA including Contract Documents and other JEA manuals.

**HMA - 3.7.3 Information on Producer's Quality Control Plan:** See Section 3.3.1 for list of approved producers.

**HMA - 3.7.4 Documentation Procedure:** All testing reports, cross-slope measurement forms, etc. will be stored at the production facility or Ellis & Associates, and will be made available to the JEA personnel for review, upon request. Copies of daily reports will be submitted to the Engineer as requested. Quality Control information will be entered into the reporting system by E&A's designated personnel as soon as possible.

**HMA - 3.8 Final Manufactured Product – Plant Operations**

**HMA - 3.8.1 Storage:** See Producer's QC Plan.

**HMA - 3.8.2 Disposition of Failing Materials:** See Producer's QC Plan.

**HMA - 3.9 Final Manufactured Product – Field Operations**

**HMA - 3.9.1 Transportation:** Trucks hauling Hot Mix will be of tight construction, which prevents the loss of material, and will be equipped with a tarpaulin or waterproof cover mounted in such a manner that it covers the entire load. The trucks will be cleaned of all foreign material, and coated with a soapy solution or release agent. The bed of the trucks will be equipped with a hole for measuring the temperature of the mix.

**HMA - 3.9.2 Storage:** N/A

**HMA - 3.9.3 Placement**

**HMA - 3.9.3.1 Milling:** Milling will be accomplished with equipment according to the contract documents. The milled cross slope will be verified at a frequency of at least every 250 feet unless modified in writing by the JEA. Emphasis will be made for proper texture and ride wherever necessary.

**HMA - 3.9.3.2 ARMI: NA**

**HMA - 3.9.3.3 Preparation:** Prior to application of tack material, the existing surface will be cleaned of all foreign material, which might prevent proper bond over the full width of the application. Attempts will be made to minimize tack drop-off coming from truck tires, or mix droppings on the pavement surface prior to paving.

**HMA - 3.9.3.4 Prime and Tack:** Tack material spread rate will be verified for each application. Adjustments to the application will be made to maintain the spread rate within the specified range.

**HMA - 3.9.3.5 Paving:** Paving will be accomplished using properly maintained equipment meeting the contract documents and monitor paving operations per the contract documents (temperature, slope, mix spread rate). Reasonable attempts will be made to make smooth transitions at bridge approaches, manholes, and joints. In the event of rain (standing water or as otherwise agreed to), paving will cease and trucks in route will be fully covered with tarps as soon as possible. Once rain ceases and the pavement is mechanically swept of standing water, paving will continue on the tacked surface using mixtures meeting temperature requirements.

**HMA - 3.9.3.6 Compaction:** Compaction will be achieved using an adequate number of properly maintained rollers meeting the contract documents. The compaction effort will be adjusted to control and achieve density as required by the contract documents. Care will be taken not to over compact the pavement layer or use no more force than necessary to achieve density.

**HMA - 3.9.4 Disposition of Failing Materials:** Failing materials will be handled per the applicable section in the contract documents.

**HMA - 3.10 Testing Laboratories:** The laboratory providing testing for this project is:

**Roadway Testing:**

**Primary Lab:** Ellis & Associates, Inc.  
7064 Davis Creek Road  
Jacksonville, FL 32256  
Phone: (904) 880-0960  
Fax: (904) 880-0970  
FDOT Lab ID: I02009



**Plant Testing:**

**Primary Lab: TBD**

Plant No.:

Plant Mgr.:

Address:

Phone:

Email:

**Alternate Lab: TBD**

Plant No.:

Plant Mgr.:

Address:

Phone:

Cell:

Email:

## CONCRETE

### CNC - 3.2 Personnel

**CNC - 3.2.1 Qualifications:** The following is a list of personnel that may be on the project and their qualifications. Personnel qualifications will be tracked for expiration and re-qualification will be accomplished prior to expiration.

Name	Company	TIN	Level of Qual
TBD			

**CNC - 3.2.2 Level of Responsibility:** The primary contact for the JEA on this project is the Quality Control Manager. The concrete qualified personnel listed above are authorized to accept or reject the concrete being placed on the referenced project.

Level 1 – For structural concrete placements this level will check the plastic properties of the concrete which will include, but not be limited to, slump, temperature, air content, and making and curing concrete cylinders. Duties will include initial sampling and testing to confirm specifications compliance prior to beginning concrete placements, ensuring timely placement of initial cure and providing for the transport of compressive strength samples to the designated laboratories. This level will also be responsible for all reports and documentation.

Level 2 – NA

### CNC - 3.3 – Raw Materials

#### CNC-3.3.1 Source

**Primary Plants: TBD**

Concrete Location	Class/PSI	Environment	Mix Design No.(s)
Sidewalk	3000 psi	N/A	TBD
Curb & Gutter			

**CNC - 3.3.2 Certification:** The Quality Control Manager, or designee, will verify that the concrete plant is an approved source to supply and produce concrete.

The Quality Control Manager will obtain a copy of all approved mix designs from the producer.

**CNC - 3.3.3 Disposition of Failing Materials:** See Producer's QCP.

**CNC - 3.4 Storage Facilities of Raw Materials** - Not applicable as storage of concrete will not take place on this project.

**CNC - 3.5 Production Equipment:** See Producer's QC Plan.

### **CNC - 3.6 Plant Requirements**

**CNC - 3.6.1 Plant Identification:** See Producer's QC Plan.

**CNC - 3.6.2 Process Control System:** See Producer's QC Plan.

**CNC - 3.6.3 Loading and Shipping Control:** See Producer's QC Plan.

**CNC - 3.6.4 Types of Products Generated:** See Producer's QC Plan.

### **CNC – 3.7 Other Requirements**

**CNC - 3.7.1 Copy of Certification:** N/A

**CNC - 3.7.2 Statement of Compliance:** N/A

**CNC - 3.7.3 Information on Producer's Quality Control Plan:** See Producer's QC Plan.

#### **CNC - 3.7.4 Describing Documentation Procedure:**

The Quality Control Manager, or his designee, will be responsible for maintaining paperwork documentation. All documentation for concrete shall be kept at the offices of Ellis & Associates, Inc. (E&A). The Quality Control information will be entered into the reporting system at E&A's office by designated personnel as soon as possible.

### **CNC - 3.8 Final Manufactured Product – Plant Operations:**

**CNC - 3.8.1 Storage** - See Producer's QCP.

**CNC - 3.8.2 Disposition of Failing Materials** - See Producer's QCP.

### **CNC - 3.9 Final Manufactured Product – Field Operations:**

**CNC - 3.9.1 Transportation:** See Producer's QCP. All material will be delivered to project in an approved method.

**CNC - 3.9.2 Storage:** No storage of concrete will take place on this project.

**CNC - 3.9.3 Placement:** The following methods may be used for placement of concrete. All personnel listed in section 3.2.1 and 3.2.2 are authorized to test concrete and/or make any necessary adjustments to concrete. All approved adjustment will be within project Specifications.

Placement method of concrete will be determined by job conditions and should be one of the following:

- i. Concrete will be discharged from the transit mixers directly into the formed area or slip form machine.

Chutes, hoppers, elephant trunks, hoses and pipes may be used in conjunction with the aforementioned placement methods to assure that the free-fall of concrete does not exceed five (5) feet in height.

In addition, the following items will be taken into consideration and utilized as needed on the project:

- i. Mass Concrete – NA
- ii. Placement in Hot weather –  
The contractor shall monitor temperature conditions to ensure that concrete will be placed in accordance with Standard Specifications. Thermometers will be available both at the plant and jobsite to ensure compliance.

Recently poured concrete will be protected by the use of polyethylene sheeting, burlap sheeting, curing blankets and/or insulation blankets as deemed appropriate. In addition, insulated formwork may be utilized.

Concrete will be cured in accordance with the Standard Specifications. Where required, a curing compound listed in the JEA QPL will be utilized.

**CNC - 3.9.3.1 Screeding of concrete:** Finishing methods will be in accordance with JEA Standard Finishing and will generally conform to the following methods:

- a. Hand trowel concrete in small areas that are easily accessible.
- b. A bull float will be used in larger, flat areas.
- c. A power screed and/or a finishing machine will be used for concrete pavements. A stiff-bristled broom will be used for required rough finishes.

**CNC - 3.9.4 Disposition of Failing Materials:** For all failing materials, the following process will be followed:

**CNC - 3.9.4.1 Notification:** The Project Engineer will be notified.

**CNC - 3.9.4.3 Disposition:** Information will be provided to the Project Engineer advising of the current state of the material such as compressive strength test results.

**CNC - 3.9.4.4 Corrective/Preventive Action:** A report will be supplied to the Project Engineer advising of the proposed corrective measures. In the event that required corrected actions or pay reductions are mandated by the specification, they will be implemented. Communication with the producer and field personnel will occur to determine what caused the failure and what will be done different in the future to insure this will not happen again.

**CNC - 3.9.4.5 Severe and/or repeated failures:** Severe or repeated failures will require the above process to be in writing.

**CNC - 3.10 Testing Laboratories:** Laboratories that will perform all concrete related Quality Control testing:

**Primary:** Ellis & Associates, Inc.  
7064 Davis Creek Road  
Jacksonville, FL 32256  
Phone: (904) 880-0960  
Fax: (904) 880-0970  
FDOT Lab No.: I02009

ID	Task Name	1/17 '16	Jul 24 '16	Jul 31 '16	Aug 7 '16	Aug 14 '16	Aug 21 '16	Aug 28 '16	Sep 4 '16	Sep 11 '16	Sep 18 '16	Sep 25
		M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T/WT/F/S	S/M/T
1	Pearl Street Parking Upgrades											
2	Submittals											
3	Mobilization											
4	Survey / Layout											
5	Erosion Control											
6	Silt Fence											
7	Inlet Protection											
8	Demolition											
9	Trees											
10	Light Poles											
11	Bollards											
12	Concrete											
13	HVAC Pads											
14	Ice Island											
15	Asphalt Paving											
16	Ice Island											
17	SE Quadrant											
18	SW Quadrant											
19	NW Quadrant											
20	NE Quadrant (No Base)											
21	NE Quadrant (Base)											
22	SE Quadrant (Base)											
23	N Central (Base)											
24	Stormwater System											
25	Sawcut Drainage Trenches											
26	S2 to S3											
27	S2 to S1											
28	S5 to S6											
29	S6 to S7											
30	S5 to S4											
31	S9 Connect to Existing											
32	S9 to S10											
33	S10 to S11											
34	S11 to S12											
35	S11 to S13											
36	S11 to S21, S22, S23											
37	S13 to S14											
38	S14 to S15											
39	S15 to S16											
40	S16 to S19											

Project: Pearl St. Paving and Drainage  
Date: Thu 8/30/16

Task Split Progress

Milestone Summary Project Summary

External Task External Milestone Deadline

ID	Task Name	17 '16		Jul 24 '16		Jul 31 '16		Aug 7 '16		Aug 14 '16		Aug 21 '16		Aug 28 '16		Sep 4 '16		Sep 11 '16		Sep 18 '16		Sep 25 '16					
		M	T	W	T	F	S	M	T	W	T	F	S	M	T	W	T	F	S	M	T	W	T	F	S	M	T
41	S19 to S20																										
42	S16 to S17																										
43	S17 to S18																										
44	Roadway Construction																										
45	Asphalt Repair																										
46	Limerock Base																										
47	NE Quadrant (Base)																										
48	SE Quadrant (Base)																										
49	N Central (Base)																										
50	Paving, Asphalt																										
51	SE Quadrant																										
52	SW Quadrant																										
53	NW Quadrant																										
54	NE Quadrant																										
55	N Central																										
56	Seal Coating																										
57	SW Car Lot																										
58	Central Truck Lot																										
59	Paving, Concrete																										
60	Ice Island																										
61	Sidewalk																										
62	Striping																										
63	Temporary																										
64	Permanent																										
65	Miscellaneous Construction																										
66	Bollards																										
67	Landscape Timbers																										
68	Sodding																										

Project: Pearl St Paving and Drainage  
Date: Thu 6/30/16

Task Split Progress



Milestone Summary Project Summary



External Tasks External Milestone Deadline

