SUBJECT: BIOMETRIC MATCHING SYSTEM REPLACEMENT

BID #: SC-0479-17 **OPEN DATE:** 05/10/2017

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT:
SUPPLY CONTRACT – SEVEN (7) YEARS FROM DATE OF AWARD WITH FIVE (5) ONE-YEAR RENEWAL OPTIONS

AGENCY: SHERIFF'S OFFICE

BASIS OF AWARD: ALL OR NONE TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER

NUMBER OF BIDS INVITED: 10 **NUMBER RECEIVED:** 1 **NO BID:** 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval of award to MorphoTrak, LLC as the lowest responsive, responsible bidder for the purchase of a Biometric Matching System Replacement for Jacksonville Sheriff's Office. Total initial expenditure not to exceed $1,671,733.00 from date of contract execution. Total estimated twelve (12) year total not to exceed $4,603,775.00.

Funding for this award to be encumbered by account SHPP011ISM-06427 to be executed by Contract through the Office of General Counsel.

Attachments: Recommendation Memo; Bid Tabulation Sheet; Terms and Conditions; Specifications

Analyst: _____ STEVEN BURAKOWSKI

RESPECTFULLY SUBMITTED: _____ GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: **George Chakhtoura, Crime Analysis and Fusion Center Senior Executive**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

Jacksonville Sheriff's Office

Duval County, Florida

Mike Williams, Sheriff

501 E. Bay Street
Jacksonville, FL 32202

May 11, 2017

TO: Greg Pease
Chief of Procurement, City of Jacksonville

THRU: Bill Clement
Chief of Budget and Management Division, Jacksonville Sheriff's Office

FROM: Tom Hackney
Director of Personnel and Professional Standards, Jacksonville Sheriff's Office

SUBJECT: Recommendation of Award for Bid # SC-0479-17 Biometric Matching System Replacement

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There was one response and one no-bid received for BID # SC-0479-17. After reviewing the written response received for BID # SC-0479-17, we recommend the following:

We recommend awarding to MorphoTrak, LLC, the lowest responsive, responsible bidder with a total bid price of $4,603,775.00. We request authorization to execute a contract through the Office of the General Counsel. This will be a 7 (seven) year agreement with 5 (five) one-year renewals. Funding and payments will be as per the table below for a not to exceed expenditure amount of $4,603,775.00. The funds for the initial purchase in the amount of $1,671,733.00 have been appropriated in the FY2017 budget under funding code SHPP011ISM – 06427.

	Funding Source	Description	Annual Cost
Initial Purchase Year 1	SHPP011ISM - 06427	Biometric Matching System Replacement	$1,671,733.00
Year 1 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 1	$__INCLUDED__
Year 2 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 2	$250,013.00
Year 3 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 3	$253,514.00
Year 4 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 4	$271,518.00
Year 5 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 5	$275,663.00
Year 6 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 6	$279,933.00
Year 7 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 7; Includes Refresh of Hardware and Software	$284,331.00
Year 8 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 8	$288,861.00
Year 9 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 9	$293,527.00
Year 10 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 10	$298,333.00
Year 11 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 11	$214,950.00
Year 12 Support/Renewal	SHPP011ISM - 04662	Support and Warranty – Year 12	$221,399.00

SC-0479-17 BIOMETRIC MATCHING SYSTEM REPLACEMENT

TITLE:	BIOMETRIC MATCHING SYSTEM REPLACEMENT			MORPHOTRAK, LLC								
BID NO.:	SC-0479-17											
OPEN DATE:	MAY 10, 2017 @ 2:00 P.M.											
BUYER:	STEVEN BURAKOWSKI, ANALYST											
No. Invited: (10)	No. Received ( )	No Bids: ( )										
Recorded By:	GAIL SAMPSON											
ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	
	Group 1 - System Pricing – Software & Licenses											
1	Software System Cost – Complete system that includes: (see technical specification document for details):	1	EACH	$1,671,733.00	$ 1,671,733.00		$ -		$ -		$ -	
	TOTAL GROUP 1			$ 1,671,733.00		$ -		$ -		$ -		
	Group 2 - System Pricing – Client Licenses (To be installed on JSO Hardware)											
1	Review Workstation Software Licenses - Client Licenses; See detailed technical specifications Section 4.1.2.	5	EACH	INCLUDED			$ -		$ -		$ -	
2	Facial Recognition Software Licenses - Client Licenses; See detailed technical specifications Section 4.10.1. #LPG928BK	2	EACH	INCLUDED			$ -		$ -		$ -	
	TOTAL GROUP 2			INCLUDED		$ -		$ -		$ -		
TITLE:	BIOMETRIC MATCHING SYSTEM REPLACEMENT											
BID NO.:	SC-0479-17											
	Group 3 - System Pricing – Hardware											
1	System Hardware; (including all Servers, Storage, Racks, PDU's) for a complete turn-key solution; See detailed technical specifications Section 4.1.1 a, b, c.	1	EACH	INCLUDED			$ -		$ -		$ -	
2	Backup Server and Tape Library; See detailed technical specifications Section 4.1.1 d & 4.4.1.	3	EACH	INCLUDED			$ -		$ -		$ -	
3	LiveScan Ruggedized Stations; See detailed technical specifications Section 4.5.1.	3	EACH	INCLUDED			$ -		$ -		$ -	
4	LiveScan Desktop Stations; See detailed technical specifications Section 4.5.1.	4	EACH	INCLUDED			$ -		$ -		$ -	
5	Fingerprint Card Capture Stations; See detailed technical specifications Section 4.7.1.	2	EACH	INCLUDED			$ -		$ -		$ -	
6	Latent Print Stations; See detailed technical specifications Section 4.8.1.	2	EACH	INCLUDED			$ -		$ -		$ -	
7	RapidID Devices; See detailed technical specifications Section 4.9.1.	7	EACH	INCLUDED			$ -		$ -		$ -	
	TOTAL GROUP 3			INCLUDED		$ -		$ -		$ -		
TITLE:	BIOMETRIC MATCHING SYSTEM REPLACEMENT											
BID NO.:	SC-0479-17											
ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	
	Group 4 - System Pricing - Services											
1	Workflows; See detailed technical specifications Sections 4.6, 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, 4.6.6, 4.6.7.	1	EACH	INCLUDED			$ -		$ -		$ -	
2	Project Management; See detailed technical specifications Section 6.2.1. Project Design; See detailed technical specifications Section 6.2.2. Site Preparation; See detailed technical specifications Section 6.2.3. Site Acceptance Test (SAT); See detailed technical specifications Section 6.2.5. Cutover; See detailed technical specifications Section 6.2.6.	1	EACH	INCLUDED			$ -		$ -		$ -	
3	Installation and Onsite Integration Testing; See detailed technical specifications Section 6.2.4.	1	EACH	INCLUDED			$ -		$ -		$ -	
4	Performance Analysis and Tuning; See detailed technical specifications Section 6.2.7.	1	EACH	INCLUDED			$ -		$ -		$ -	
5	Electronic Data Migration; See detailed technical specifications Section 3.2, 5.1.	1	EACH	INCLUDED			$ -		$ -		$ -	
6	Training; See detailed technical specifications Section 5.2.	1	EACH	INCLUDED			$ -		$ -		$ -	
	TOTAL GROUP 4			INCLUDED		$ -		$ -		$ -		

SC-0479-17 BIOMETRIC MATCHING SYSTEM REPLACEMENT

TITLE:	BIOMETRIC MATCHING SYSTEM REPLACEMENT			MORPHOTRAK, LLC									
BID NO.:	SC-0479-17												
OPEN DATE:	MAY 10, 2017 @ 2:00 P.M.												
BUYER:	STEVEN BURAKOWSKI, ANALYST												
No. Invited: (10)	No. Received ( )	No Bids: ( )											
Recorded By:	GAIL SAMPSON												
ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL		
TITLE:	BIOMETRIC MATCHING SYSTEM REPLACEMENT												
BID NO.:	SC-0479-17												
	Group 5 - System Pricing – Support/Warranty/Upgrade												
1	Support and Warranty – Year 1	1	EACH	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED		
2	Support and Warranty – Year 2	1	EACH	$ 250,013.00	$ 250,013.00		$ -		$ -		$ -		
3	Support and Warranty – Year 3	1	EACH	$ 253,514.00	$ 253,514.00		$ -		$ -		$ -		
4	Support and Warranty – Year 4	1	EACH	$ 271,518.00	$ 271,518.00		$ -		$ -		$ -		
5	Support and Warranty – Year 5	1	EACH	$ 275,663.00	$ 275,663.00		$ -		$ -		$ -		
6	Support and Warranty – Year 6	1	EACH	$ 279,933.00	$ 279,933.00		$ -		$ -		$ -		
7	Support and Warranty – Year 7; See additional technical specifications in Section 7.4	1	EACH	$ 284,331.00	$ 284,331.00		$ -		$ -		$ -		
8	Support and Warranty – Year 8	1	EACH	$ 288,861.00	$ 288,861.00		$ -		$ -		$ -		
9	Support and Warranty – Year 9	1	EACH	$ 293,527.00	$ 293,527.00		$ -		$ -		$ -		
10	Support and Warranty – Year 10	1	EACH	$ 298,333.00	$ 298,333.00		$ -		$ -		$ -		
11	Support and Warranty – Year 11	1	EACH	$ 214,950.00	$ 214,950.00		$ -		$ -		$ -		
12	Support and Warranty – Year 12	1	EACH	$ 221,399.00	$ 221,399.00		$ -		$ -		$ -		
	TOTAL GROUP 5			$ 2,932,042.00		$ -		$ -		$ -			
	GRAND TOTAL			$4,603,775									
	TERMS:			30 DAYS									
	DELIVERY			186 DAYS									
	CONFLICT OF INTEREST			YES									
	VENDOR CERTIFICATIONS			YES									
	ACKNOWLEDGEMENT OF ADDENDUMS (3)			YES									
	NOTES												

Terms and Conditions

Biometric Matching System Replacement including Implementation, Configuration and Training

1. SCOPE
The Jacksonville Sheriff's Office of the City of Jacksonville, Florida, is currently accepting bids to obtain source(s) of supply for the item(s) as outlined in the bid documents provided. The purpose of this bid invitation is to obtain information about your firm and its ability to provide the item(s) and to obtain pricing commitments for Biometric Matching System Replacement including Implementation, Configuration and Training.

2. AWARD
Award will be ALL OR NONE to the lowest responsive, responsible bidder. Bidders must bid on all items to be considered for award. All awards are subject to the availability of funds.

3. TERM OF AGREEMENT
Term of agreement is for seven (7) years from date of award with five (5) one-year renewal options.

4. REQUIREMENTS
Vendors must initial confirming you have read and understand Sections 1 - 8 under Specifications and Requirements and return with bid to be considered responsive. Otherwise, your bid may be grounds for rejection.

5. COMPLIANCE WITH SPECIFICATIONS
The bidder, by affixing their signature to the bid form submitted, agrees to provide items(s) in accordance with the bid documents provided. Bid only a single offering for each bid item. Multiple offerings, alternates (unless stated) and or stipulations may be cause for bid rejection. Bid only on forms provided herein unless otherwise stated. Bid submissions shall be in ink or typewritten. All corrections must be initialed.

6. STATE CONTRACTS
The City reserves the right to utilize contracts established by the State of Florida and or other governmental agencies for item(s)/service(s) covered under this bid. The City reserves the right to cancel this contract in whole or in part for such item(s)/service(s).

7. QUANTITIES
Quantities indicated are fixed.

8. PRICES
All unit prices shall include freight, delivery and handling charges to the delivery location as outlined in the bid documents.

9. ESCALATION/DE-ESCALATION
Not Applicable

10. DELIVERY
Delivery will be made to the Police Memorial Building, Police Supply, 501 East Bay Street, Catherine Street Loading Dock, Jacksonville, FL 32202. A packing slip shall accompany all shipments, which shall indicate, at a minimum, the following; purchase order number, item number and description, date of shipment, quantity ordered and shipped, unit prices and unit of measure.

11. PICK UP AND RETURNS
The City reserves the right to return an order in whole or in part if the merchandise is not in compliance with the bid specifications. The City or its agencies will determine compliance with bid specifications. Pick up and returns will be made within 48 hours of notification at no charge to the City or its agencies.

12. SUPPLIER ACCESSIBILITY
The City or its representative must be able to contact, during normal business hours, by telephone or email any supplier providing goods or services to the City or its agencies. Any supplier accessibility requirements outlines in the specifications supersede this section.

13. REPORTING
The City may request, during the term of this bid, reports including but not limited to; usage, pricing and delivery. Suppliers will be required to provide reports requested in hard copy and electronic format as required.

14. INVOICING
Invoices will be issued once supplies/services are delivered and/or rendered to the City of Jacksonville or its agencies and as outlined in the bid documents. At a minimum, invoices must include the purchase order number, item number and description, date of shipment, quantity ordered and shipped, unit prices, unit of measure and extended totals. Payment terms are Net 30 days. All original invoices shall be submitted to: City of Jacksonville, General Accounting Division, 117 West Duval Street, Suite 375, Jacksonville, Florida, 32202.

15. INSURANCE / INDEMNIFICATION
Each supplier shall maintain, for the entire term of this bid, current insurance coverage as stated in the bid documents. All insurance certificates shall list the City of Jacksonville as an additional insured. A copy of the insurance certificate must be submitted within ten (10) days of award notice. Bid number should be listed on the insurance certificate.

Specifications and Requirements

Biometric Matching System Replacement including Implementation, Configuration and Training

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1 INTRODUCTION/PURPOSE:

The Jacksonville Sheriff's Office (JSO) is accepting bids on a complete integrated technology solution that will be a replacement and refresh of the multiple disparate systems that comprise the current Biometric Matching System in use. The goal of an integrated system is to reduce the technical complexity of the system, reduce the number of separate vendor support contracts and simplify the troubleshooting process. The new system must include hardware, software, installation, configuration, training and support. The current set of systems perform the following functions: Local Automated Fingerprint Identification System, Storage and Matching, LiveScan (Fingerprint Collection), Latent Print Collection and Matching, Mobile (RapidID) Collection and Matching and provides interfaces to FDLE, FBI and other JSO systems. The new system will expand our current capabilities to include Facial Recognition and a Self-Contained Automated Backup and Recovery System.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

1 INTRODUCTION/PURPOSE

Vendor Initials _____

(This space intentionally left blank.)

2 DEFINITIONS:

Beneficial Use	Customer first uses the System or a Subsystem for operational purposes (excluding training or testing)
CJIS	Criminal Justice Information Services
CWCS	Civil Workflow Control System
DEMG File	File that is created by the JSO's current MorphoTrak LiveScan station during the current Felony Registration workflow. It contains all the elements of the NIST file such as demographic information, prints, mugshot and SMT images.
DESC File	File that is created by the JSO's current Jail Management System containing Pass 1 descriptors to populate the current MorphoTrak LiveScan.
FBI	Federal Bureau of Investigation
FBI NGI AFIS	Federal Bureau of Investigation's Next Generation Identification AFIS
FBI RISC	Federal Bureau of Investigation's Repository for Individuals of Special Concern
FDLE	Florida Department of Law Enforcement
FDLE AFIS	Florida Department of Law Enforcement's Biometric Identification System
Go-Live	Go-Live occurs when Acceptance Testing is complete and JSO begins Beneficial Use of the Vendor System
ICAO standard	International Civil Aviation Organization standards for photos
Interface	Communication (information sharing) between independent and often unrelated systems
Jail Number	Unique number per an inmate incarceration created by JSO's jail management system
JSO Felony Registration System	Jacksonville Sheriff's Office application used to track offender registrations after release from jail or prison
JSO Jail Management System	Jacksonville Sheriff's Office system used to track and manage inmates in Duval County's jails and prison
JSO Mugshot System	Jacksonville Sheriff's Office application containing mugshot images and basic demographics of an arrest or felony registration
JSOID	Unique identifier for an individual assigned by JSO's Local AFIS system. This number is a unique lifetime identifier created by the JSO's Local AFIS.
Local AFIS	Jacksonville Sheriff's Office on site Automated Fingerprint Identification System which searches, matches and stores fingerprints, plain impressions, palm prints, mugshot images and SMT Images
NCIC	National Crime Information Center
NIST	National Institute of Standards and Technology
OBTS number	Offender Based Tracking System unique identifier assigned for each transaction sent to FDLE AFIS
Pass-1 Descriptors	Minimum descriptors (duplex Pass-1) required by FDLE AFIS for a criminal submission.
Pass-2 Descriptors	Descriptors (duplex Pass-2) required by FDLE AFIS during the second pass for a criminal submission.
PDU	Power Distribution Unit (PDU) is a device fitted with multiple outputs designed to distribute electric power, especially to racks of computers and networking equipment located within a data center
PP	palm print
PPI	pixels per inch

QID NIST Packet	Quick ID NIST Packet use for a quick search. Contains fingerprints.
REG File	File that is created by the JSO's current MorphoTrak LiveScan station to send offender information, fingerprints, and mugshot to FDLE AFIS for Offender Registration.
Aggregate Set	A sub-set of all prints on file. The set consists of the highest quality prints available. Used for search purposes.
SID	Florida State Identification Number is a lifetime, unique number assigned to an individual by FDLE
SMT	Scar, Mark or Tattoo
SRCH Transaction	Search sent to an AFIS system for biometric matching. In JSO's case, a SRCH transaction is sent to the Local AFIS for matching based on tenprint fingerprints. A SRCH transaction is also sent to FDLE AFIS for matching tenprint fingerprint matching with their AFIS system.
SRE File	Search Response Email with the hit/no-hit message received from FDLE AFIS
System Acceptance	System Acceptance will occur upon successful completion of the Acceptance Tests described in an agreed upon Acceptance Test Plan. Upon System Acceptance, the parties will memorialize the event by promptly executing a System Acceptance Certificate. If the Acceptance Test Plan includes separate tests for individual Subsystems or Phases of the System, acceptance of the individual Subsystem or Phase will occur upon the successful completion of the Acceptance Tests for such Subsystem or Phase, and the parties will promptly execute an acceptance certificate for the Subsystem or Phase. If Customer believes that the System has failed the completed Acceptance Tests, Customer will provide to Seller a written notice that includes the specific details of such failure. Minor omissions or variances in the System that do not materially impair the operation of the System as a whole will not postpone System Acceptance or Subsystem acceptance, but will be corrected according to a mutually agreed schedule.
TP	Tenprint (fingerprints)
UPDT file	File that is initiated by the JSO JMS and passed to the LiveScan. The LiveScan merges the Pass-2 descriptors with the Pass-1 descriptors and the file is transmitted back to FDLE AFIS and the JSO Mugshot System to update the criminal history.
Workflow	A sequence of processes through which a piece of work passes from initiation to completion.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

2 DEFINITIONS

Vendor Initials _____

3 SOLUTION OVERVIEW:

3.1 Current State:

Currently, the JSO has the following integrated, but disparate systems that perform the following functions:

NEC provides:

- (Local) Automated Fingerprint Identification System (AFIS)
- Fingerprint Card Capture Stations
- Backup and Recovery of AFIS
- Latent Print Stations
- RapidID Devices

DataWorks provides the Fingerprint Archive System

- NOTE: Backup and Recovery of the Fingerprint Archive System is handled by JSO

MorphoTrak provides:

- LiveScan Stations
- Latent Print Stations
- The Interface Server that handles the interfaces between the following systems:
    a. NEC AFIS
    b. MorphoTrak LiveScan
    c. MorphoTrak Latent Print
    d. FDLE AFIS
    e. FBI NGI AFIS
    f. JSO Jail Management System
    g. JSO Mugshot System
    h. JSO Felony Registration System
- Backup and Recovery of the Interface Server

Facial Recognition Functionality - Currently our systems do not provide this functionality.

3.2 Current Capacity:

The aggregate number of records in the current systems is approximately:

Record Type	Current Record Count
Tenprints	675,000 +
Palm Prints	235,000 +
Mugshots (Images)	2,000,000 +
Archive (NIST)	600,000 +

Unsolved Latent Palm & Fingers: There are approximately 7000 unsolved latent prints in our current system which will not be migrated. JSO will re-enter them into the new system.

Current throughput capacity quantity of daily searches.

Search Type	Current Average Daily Throughput	Legend:
TP/TP	300	TP = Tenprint
TP/UL	300	UL = Unsolved Latent
LT/TP	35	LT = Latent Fingerprint
LT/UL	35	LP = Latent Palm Print
PP/UP	300	PP = Palm Print
LP/PP	15	UP = Unsolved Palm Print
LP/UP	15	
FR	n/a	FR = Facial Recognition

3.3 Future State:

Single Vendor Biometric Collection, Matching and Storage System

One vendor must provide, support and maintain all components of the solution. Vendor will provide the JSO with an integrated system that will perform these functions:

- (Local) Automated Fingerprint Identification System (AFIS)
- Automated Backup and Recovery
- Fingerprint Card Capture Stations
- LiveScan System with Stations
- Latent Print Stations
- RapidID Devices
- Facial Recognition
- Fingerprint Archive System
- The integrated system will handle the processes and interfaces between the Vendor System and the following systems. The following systems will remain independent of the new solution:
    a. FDLE AFIS
    b. FBI NGI AFIS
    c. JSO Jail Management System
    d. JSO Mugshot System
    e. JSO Felony Registration System

3.4 Future Projected Capacity (By Year 7):

System shall have the capacity and throughput to accommodate the below listed storage capacity:

Projected Database Capacity:

Record Type	Current Record Count
Tenprints	1,275,000 +
Palm Prints	1,000,000 +
Mugshots (Images)	3,500,000 +

Latent Fingerprint Images	65,000 +
Latent Palm Print Images	25,000 +
Unsolved Facial Images	500

Potential expected throughput capacity quantity of daily searches.

Search Type	Current Average Daily Throughput
TP/TP	300
TP/UL	300
LT/TP	35
LT/UL	35
PP/UP	300
LP/PP	15
LP/UP	15
FR	20

Legend:

TP = Tenprint

UL = Unsolved Latent

LT = Latent Fingerprint

LP = Latent Palm Print

PP = Palm Print

UP = Unsolved Palm Print

FR = Facial Recognition

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

3 SOLUTION OVERVIEW

3.1 Current State

3.2 Current Capacity

3.3 Future State

3.4 Future Projected Capacity

Vendor Initials _____

(This space intentionally left blank.)

4 SYSTEM DETAILS:

4.1 Overall System Functionality (AFIS/NIST Archive):

The requested Biometric Matching System must provide support for entry, capture, processing, viewing, printing, search and storage of (a Local AFIS) tenprint fingerprints, palm prints, mugshots, plain impressions, scar/mark/tattoo (SMT) images, fingerprint cards and latent prints. It must also support Facial Recognition functionality as well as RapidID Technology and have an automated Backup and Recovery feature. It must also interface with FDLE AFIS, FBI NGI AFIS and several local JSO applications.

4.1.1 System Hardware

- Vendor will provide all hardware necessary for a complete turn-key solution including, but not limited to:
  a. Servers
  b. Storage
  c. Rack including all hardware necessary to power equipment
     The PDU(s) in the rack must meet the following minimum specifications:
     - Output Connections NEMA L6-30R
     - Nominal Input Voltage 208V
     - Input frequency 50/60 Hz +/- 5 Hz (auto sensing)
     - Cord Length 8ft (2.44meters)
  d. Backup Server and Tape Library
     - Tapes must be High-Capacity
     - The backup solution must be sized to be able to contain daily incremental backups, weekly full backups, and allow for a minimum of 3 (three) full sets to be removed and stored every month. (See Automated Backup and Recovery: Section 4.4.1 for more detailed requirements)
  e. LiveScan Stations – See Section 4.5.1 below for details.
  f. Fingerprint Card Capture Stations – See Section 4.7.1 below for details.
  g. Latent Print Stations – See Section 4.8.1 below for details.
  h. RapidID Equipment – See Section 4.9.1 below for details.

4.1.2 System (Local AFIS) Software and Functionality

- Vendor will provide a minimum of 5 (five) licenses for review software that will allow existing JSO owned workstations to access and process AFIS records, enable review of tenprint functionality and enable review and verification of latent print submissions.
- **Aggregate Set** – If there are multiple records in the NIST archive for an individual, the Vendor System Local AFIS will provide an Aggregate Set of the best single prints (finger, palm, etc.) for an expedited search. The system will automatically compile this Aggregate Set and when new prints are added, it will compare the new prints to the Aggregate Set and automatically replace a print of lower quality with a print of better quality.
- **Customer-Defined Fields** – The Vendor System must allow a minimum of 40 custom data fields and such fields must be data type appropriate. (Date must be a date field, Integer must be an Integer field, etc.). A minimum of 20 (twenty) of these fields must be able to be indexed and searchable.

- **FDLE Search** - Vendor System shall provide the ability for all submissions (with the exception of the Quick ID Workflow and those transactions that are designed to only populate the Local AFIS) to search both the Local AFIS and the FDLE AFIS automatically.
- **Licenses** - Vendor System must support concurrent user licensing and the system must auto-release those licenses when a user logs off.
- The Vendor System will, during processing, change the status of a submission that meets specific JSO defined criteria. It will flag and identify those submissions and bring them to the attention of the fingerprint technicians and/or latent print examiners through the use of "queues".
    1. **Quality Control Review** - During processing, Vendor System must flag jobs for a "Quality Control Review" that meet the following conditions:
        - Low Axis Quality
        - Low Minutia Count
        - Low Zone Quality
        - Unknown Pattern
        - Sequence Error
        - No Finger
    2. **Visual Verification Review** - Vendor System must allow for results which meet predefined conditions (including the conditions listed below) to flag the submission for a "Visual Verification Review". Visual Verification happens when there are multiple 'hits', an 'unable to determine', or if an adult hits on a juvenile record as described below
        - A juvenile submission hits on an adult JSOID number
        - Adult arrest hits on Juvenile JSOID number (Fingerprint Technician will make the determination if subject is a juvenile, if it is the first adult arrest, or if the juvenile prints meet purge requirements)
        - Any arrest or criminal registration hits on an employee
        - Any arrest hits on a 5 digit JSOID number
        - Any arrests that hit on multiple candidates
            - This will require a Fingerprint Technician to review each of the candidates and determine whether or not there is a match. A job will remain "flagged" until the technician is able to limit to a single candidate.
    3. **Potential Unsolved Latent Print Identifications** - Vendor System will maintain a database of unsolved latent prints and shall compare these latents to all incoming prints for possible identification:
        - Candidates for an unsolved latent, per JSO determined preconfigured thresholds, shall be placed in a queue for verification by the latent print examiner.

4.1.3 Archive System (NIST Archive)

Vendor System must provide support for the entry, processing, search and storage of archive records consisting of tenprints, palm prints, mugshot and SMT images. The archive is a document storage and retrieval system that maintains an archive of documents sent and received from the Local AFIS.

- Archive system will allow viewing and printing of archived NIST records.
- Vendor System will store all finger/palm images at a minimum of 500ppi.

- Vendor System shall store mugshot and SMT images in the resolution in which they were captured.
- Provide the following minimum search fields: Last Name, First Name, Middle Name, DOB, Jail Number, JSOID (Agency Case Number), OBTS Number, SID Number, FBI Number, SSN, Date of Arrest, Date range and/or Date Printed and include the ability to include multiple criteria in a search.
- Ability to enter a search value and select multiple card types for one search, from the search page.
- The system must be able to correct entries, but must retain both sets of records for historical purposes, without reprinting.
- Vendor System must conform to the best practice recommendation by Commission for Florida Law Enforcement Accreditation (CFA) regarding separation of Juvenile and Adult records.
    - "34.09 M - Fingerprint records and photographs of juveniles taken into custody must be kept in a separate file and marked "Juvenile Confidential" unless not required by Florida law."
- Card Types – Criminal Arrest (separate juvenile status from adult status per CFA recommendations), Criminal Status Registrations, Miscellaneous, Applicant, and the ability to create new card types.
- Archive system must include the ability to add, to a person's record, additional charges during an incarceration based on roles and privileges and log all changes and updates. These are not submitted to FDLE AFIS, but stored locally in the Local Archive.
- Archive system must include the ability to manually create an archive record and delete/replace archive record(s) based on roles and privileges and log all changes and updates.
- Vendor System must provide the ability to export a fingerprint card in PDF format.

4.1.4 Tenprint Corrections/Enhancements

Vendor System must allow the following Tenprint Corrections/Enhancements

- Automatic match of rolled prints with plain impressions
- Ability to edit core/axis
- Pattern Calls – Ability to change automated pattern identification
- Option to zoom in fingerprint display
- Side-by-Side Comparison of two or more, if possible, fingerprint comparisons
- Ability to manually substitute rolled with plain impressions
- Stamp/Flag fingerprint notations such as Amp (Amputation), Unable to Print/Bandaged, etc.
- Process for system to compile an Aggregate Set and the ability for the Vendor System to substitute any lower quality print, for incoming higher quality print
- Ability to manually substitute an Aggregate Set print with a scanned print (missed during the match of rolled with plain impressions or entered during conversion/pre-existing)
- Ability to crop prints, including replace a rolled with a plain impression for search purposes
- Ability to delete a tenprint job from Local AFIS, reprint on the LiveScan and re-submit to FDLE. Prior to delete, reprint and resubmit, JSO must notify FDLE that a remove is necessary and JSO must receive confirmation from FDLE that remove has been completed. It is not expected that the new vendor system will be involved in the request to FDLE to remove and

it is JSO's responsibility to have received the confirmation that the remove is complete before the new submission can be made.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4 SYSTEM DETAILS

4.1 Overall System Functionality (AFIS/NIST Archive)

4.1.1 System Hardware

4.1.2 System (Local AFIS) Software and Functionality

4.1.3 Archive System (NIST Archive)

4.1.4 Tenprint Corrections/Enhancements

Vendor Initials _____

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4.2 Reports

- Vendor System will come with a set of standard reports including, but not limited to:
  a) Administrative Log
  b) Latent Activity
  c) Latent Activity By User
  d) Latent Activity By Workstation
  e) Latent Case Disposition
  f) Latent Match Report
  g) Latent Palm Match Report
  h) Palm Activity
  i) Palm Reverse Match Report
  j) Record Deletion Activity
  k) Tenprint Activity
  l) Tenprint Case Disposition
  m) Tenprint Match Report
  n) Tenprint Reverse Match Report
  o) Tenprint Summary by User
  p) Tenprint Summary by Workstation
  q) Transaction Log
  r) User Audit Log
  s) User Transaction Activity
  t) Workstation Transaction Activity
- Reports must be restricted to users with the appropriate permissions.
- Specific Customized Reports – Specific parameters will be provided.
  - Vendor system must provide an at-will report listing of all juvenile record(s) who have now reached the age of 25.
  - Provide an at-will report that lists all transactions where Pass-2 has not been updated from the JSO JMS.
- Vendor System must allow for dynamic creation of reports. Ad hoc report creation must be restricted to users with the appropriate permissions.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.2 Reports

Vendor Initials _____

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4.3 Security and Administration

- Vendor System must be Active Directory (AD) aware and must be capable of single sign-on.
- Vendor System will have the ability to name supervisors who will be granted administrative access to the Biometric Matching System and who will be able to create, assign and manage user roles and user privileges.
- Vendor System must allow definition and management of a minimum of 4 (four) levels of user roles.
- Vendor System shall provide the ability to update the JSOID, Jail Number, Mugshots/SMT Images, Juvenile/Adult Status, Biographic Data, OBTS Number in AFIS and Archive, but limit the functionality to specific users based on roles and privileges and log all changes and updates.
- Vendor System must limit the ability to make corrections based on user roles and log all changes.
- Vendor System must allow the ability to add charges but limit the ability by user roles in the Local AFIS.
- Vendor System must provide a dashboard from within the application that allows an administrator to monitor the system health including but not limited to:
  - Memory Usage
  - Server CPU Load
  - Disk Usage
- System must be able to send status notifications and health alerts regarding the system to multiple email addresses.
- Vendor System must provide a dashboard from within the application that allows an administrator to monitor key systems and subsystems.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.3 Security and Administration

Vendor Initials _____

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4.4 Automated Backup and Recovery

The solution must include software and hardware for an automated data backup solution and include the following:

4.4.1 Hardware

- Backup solution hardware and media (Tape)
  - All hardware necessary for the backup solution will be provided by vendor.
  - Data backup to physical media is required. Backup must be performed in the JSO Data Center and not performed offsite.
  - Initial media for the first full backup will be provided by the vendor.
  - All subsequent sets of media will be provided by the JSO.

4.4.2 Software and Functionality

- Backup Solution Software
  - Vendor will provide backup software. Software will be configured and automated and require no customer assistance or interaction.
  - Vendor will be responsible to verify and test the backups.
- Backup Schema
  - Daily backups will be incremental backups
  - Weekly backups will be full backups
  - Tape rotation will be performed once monthly.
- On-going Backup Services
  - Vendor will physically manage the rotation of the physical media at the JSO Data Center to create the number of full backups that the JSO deems necessary.
  - Each Tape Rotation will result in 3 (three) full and complete duplicate sets of backups.
    1. One will remain onsite at the JSO
    2. One will be transported by the vendor to be stored in a CJIS compliant secure area per FDLE standards (at vendors cost).
    3. One will be delivered to the JSO Primary Technical Contact for removal to a secure offsite facility within the State of Florida.
       - The transportation of the third set will be the responsibility of the JSO.
  - Vendor will track the number of times a backup tape set is used and per industry standards, will alert the JSO Primary Technical Contact 60 days in advance of a set being retired.
  - The JSO will make sure that there are no less than two full new sets of backup tapes available at any given time. Vendor will notify the JSO Primary Technical Contact (Name provided when PO is issued) when one of these sets is consumed so the JSO may procure a replacement set.
  - It will be the responsibility of the JSO to inform the vendor of changes to the Primary Technical Contact.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.4 Automated Backup and Recovery

4.4.1 Hardware

4.4.2 Software and Functionality

Vendor Initials _____

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4.5 LiveScan Functionality

4.5.1 Hardware

- Vendor will provide 3 (three) LiveScan Ruggedized Stations and 4 (four) LiveScan Desktop Stations to include the following:
- Ruggedized Stations will include and be contained in cabinets that must be lockable and be ruggedized to withstand the stresses of a correctional facility environment.
- All stations will include the following:
  - Camera
    - Must take an image that meets the ICAO standard
    - May be either a standard camera or a webcam
    - Minimum 19 megapixel CMOS
    - Minimum ER-S 18-55mm II standard zoom
    - All camera functions must be controllable by vendor's LiveScan software
    - Hardware to mount the camera shall also be provided
  - Fingerprint scanner shall be a minimum of 500 ppi for TP/PP capture
  - Monitor must be touch screen and be a minimum of 19"
  - Computer workstation specifications (minimum):
    - 8 GB of RAM
    - 500 GB hard drive
    - I3 processor
  - Foot pedal control
  - Label printer capable of a 3.0" printing width or greater, direct thermal printing and USB/Serial interface for printing of DNA submission labels to FDLE
  - Magnetic strip reader

4.5.2 Software Functionality

- Provide the ability to process criminal tenprint records and provide dual pass submission to FDLE AFIS from a LiveScan workstation
- Provide the ability to photograph scars, marks and tattoos (SMT) and label them as appropriate, with drop down selections that contain NCIC defined descriptions and NCIC defined location fields. The SMT images must not be labeled as a mugshot or profile photograph.
- Vendor System will provide the ability to override an error message due to print quality, however, the system will log the override and require an annotation before accepting the override.
- Provide the ability to process and store registrant tenprint records and provide submission to FDLE AFIS from a LiveScan workflow (Detailed in LiveScan workflow below).
- Provide the ability to process applicant tenprint records (Detailed in LiveScan workflow below).
- Provide the ability and a workflow to submit applicant records directly from the LiveScan for Tenprint/Palm print local submission and FDLE AFIS search without adding the captured print. (Detailed in LiveScan workflow below).
- If an adult is fingerprinted on a LiveScan machine that is designated for juveniles, the system must enable the technician to indicate the subject is an adult.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.5 LiveScan Functionality
4.5.1 Hardware
4.5.2 Software Functionality

Vendor Initials _____

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4.6 LiveScan Workflows

4.6.1 Applicant Workflow

Used to submit applicant (non-criminal) tenprint records in NIST format to a designated email recipient.

1. The operator selects either Fee Applicant or No-Fee Applicant.
2. The LiveScan will create a CaseID/Transaction Control Number.
3. Operator then enters description data.
4. Operator then captures rolled and plain impression fingerprints and submits the case.
5. The LiveScan station will generate the NIST packet and submit the case to the FDLE AFIS.
6. The LiveScan station then prints the fingerprint card.
7. The FDLE AFIS system then receives, validates and processes the NIST packet for "CWCS Processing" (Civil Workflow Control System). If there are errors with the submission, an error message is sent to the LiveScan station.
8. CWCS stores and forwards the submission to the FDLE AFIS.
9. FDLE AFIS then processes the submission and returns search results to CWCS.

4.6.2 Booking Workflow

Used to submit criminal fingerprints and palm prints to FDLE AFIS

1. LiveScan will interface with the JSO Jail Management System (JSO JMS) to receive booking and demographic data of the subject and make that information available to the LiveScan for population into the Booking Process.
2. Operator will enter the Booking ID and the LiveScan station shall fetch and display the descriptor data.
3. Operator will capture rolled and plain impression fingerprints, upper, lower and writer's palm prints, mugshots and photos of SMT (if applicable) and then submit the case.
4. The LiveScan station will automatically generate an OBTS number and generate and submit a SRCH transaction to the FDLE AFIS and to the Local AFIS.
5. The Local AFIS stores the submission locally then generate a LiveScan NIST packet with demographic, fingerprint images, palm print images and send mugshot images to the JSO Mugshot System (JPICS).
6. The Local AFIS sends the LiveScan NIST packet to FDLE AFIS.
7. FDLE AFIS processes the submission and sends a hit/no-hit response to the submitting LiveScan station.
8. The Local AFIS receives the hit/no-hit response and performs the following:
   a. Generate a NIST ADD packet including the State ID Number (SID) and the unique agency Number (JSOID) generated by the JSO AFIS system and sends the packet to the JSO JMS.
   b. JSO JMS will receive the packet and create an UPDT file to include the Pass-2 descriptors (charges). JSO JMS will pass the UPDT file via the JSO JMS interface to the Vendor System.
   c. The Vendor System via the interface with JSO JMS shall receive the UPDT file from JSO JMS and create a NIST file including all NISTHIT, NISTNOHIT or NISTSRCH, and the Type-1 header, Type-2 descriptors, Type-4 fingerprint images, Type-9 minutia data. The file shall be named with the OBTS number and sent to the FDLE AFIS.
   d. The Vendor System will send the UPDT file to the JSO Mugshot System.

e. The Vendor System shall update the Tenprint submission in the archive to include the charges and SID.

NOTE: If an adult is fingerprinted on a LiveScan machine that is designated for juveniles, the system must enable the user to indicate the subject is an adult.

4.6.3 Offender Registration Workflow

Used to enter and submit prints for felony registration and sexual offender cases to FDLE AFIS and JSO's Local AFIS from the LiveScan station.

1. Operator will select the Offender Registration workflow on the LiveScan station.
2. LiveScan auto generates an OBTS number
3. Operator enters registration descriptors
4. Operator captures roll and plain impression fingerprints, palm prints and mugshots.
5. LiveScan generates a REG file containing the information and images.
6. REG file is sent to FDLE AFIS
7. Local AFIS stores REG file data
8. The Vendor System creates DEMG and DESC files.
9. The Vendor System sends DEMG file to the JSO Mugshot System
10. The Vendor System sends DESC file to the JSO Felony Registration System
11. FDLE AFIS performs search verification of prints and sends Hit/No-Hit message to the LiveScan station
12. LiveScan station receives the FDLE AFIS SRE response
13. Vendor System stores the SRE file, and forwards it via the appropriate interface to the JSO Mugshot System and the JSO Felony Registration System.

4.6.4 Quick ID Workflow

Used to submit a simple identification search to the Local AFIS and/or FDLE AFIS.

1. Operator selects the Quick ID workflow and the LiveScan generates the case ID number. The operator captures the fingerprints and optionally enters descriptors.
2. Operator submits the case.
3. LiveScan generates a QID NIST Packet and submits it to the Local AFIS and FDLE AFIS.
4. Local and/or FDLE AFIS searches and returns Hit/No-Hit message (or error message) to the LiveScan station in a manner viewable by the operator and display the job/search result in the Vendor System that is accessible by Tenprint Technicians in the JSO Identification Unit.

4.6.5 Quick Verify Workflow

Used to verify a subject's identity against a known fingerprint record in the FDLE AFIS database.

1. The operator enters the State ID number.
2. The LiveScan station sends a fetch request to FDLE AFIS and the FDLE AFIS will receive the requested minutia record and send it to the requesting LiveScan station.
3. The operator will capture two fingerprint images from the subject and the LiveScan extracts minutia data from the submitted fingers and matches it to the minutia data received from the FDLE AFIS.
4. The LiveScan station shall display a hit/no-hit message to the operator.

4.6.6 Mugshot/SMT Only Workflow

Used to capture a mugshot and/or SMT only and send it to the JSO Mugshot System.

1. The operator enters the Jail Number, name, date of birth, race and sex then captures a new mugshot or SMT Image.
2. The LiveScan then sends the NIST file to the Local AFIS and then through the appropriate interface provides the file to the JSO Mugshot System.
3. Vendor System shall associate the additional mugshot or SMT image(s) taken in this work flow to the archive record for the current incarceration.

4.6.7 Add-On Charge Workflow (Future)

Currently FDLE does not accept the ability to process "Add-On Charges" electronically. Vendor agrees that if and when FDLE allows this modification, the vendor will create and provide an additional workflow to process "add on" charges at no additional charge to the JSO. The below listed workflow is an example, the exact workflow will be determined by the FDLE requirements.

1. The workflow could require either reprinting or the ability to retrieve the NIST submission in order to add a new charge.
2. If Add-On is processed on the same day as the arrest, provide Corrections Officer with the ability to submit the Add-On to the Local AFIS and FDLE AFIS and update JSO JMS.
3. If the Add-On is processed on a different date, allow Corrections Officer to submit the new charge to Local AFIS and FDLE AFIS using the same Jail Number but with new OBTS Number.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.6 LiveScan Workflows
- **4.6.1 Applicant Workflow**
- **4.6.2 Booking Workflow**
- **4.6.3 Offender Registration Workflow**
- **4.6.4 Quick ID Workflow**
- **4.6.5 Quick Verify Workflow**
- **4.6.6 Mugshot/SMT Only Workflow**
- **4.6.7 Add-On Charge Workflow (Future)**

Vendor Initials _____

4.7 Fingerprint Card Capture Functionality

4.7.1 Hardware

- Vendor will provide 2 (two) complete Fingerprint Card Capture Stations that will allow scanning of fingerprint cards for inclusion in the Local AFIS archive system.
- The Fingerprint Card Capture Stations' hardware must meet or exceed the following minimum specifications:
  a. 4 core processor
  b. 8 GB RAM
  c. Windows 10 OS
  d. Keyboard, Mouse
  e. Single 24" Monitor
  f. Epson V800 Flat Bed Scanner (or equivalent)
     - The scanner must have or be capable of:
       a. Appendix F certification by FBI
       b. 6400dpi resolution
       c. Dual lens scanning

4.7.2 Software

- Vendor System shall store tenprint images at a minimum of 500 ppi and in 256 shades of gray.
- Software on the Fingerprint Card Capture Station will allow user to review and process all tenprint functionality.
- Provide the ability to process criminal tenprint records for entry into the Local AFIS and allow operator the ability to choose to submit to FDLE AFIS from a card capture workstation
- Vendor System must include the ability to manually scan fingerprints into the Local Archive for add-on arrests, arrest pre-dating the JSO's archive system and JSO employee's applicant prints.
  - Allow entry of demographics such as name, place of birth, Juvenile/Adult flag, height, weight, eyes, hair, race, sex, date of birth.
  - Allow entry of charge information to include date of arrest, OBTS number, statute and charge
  - Allow operator to use the **Tenprint Corrections/Enhancements tools** as defined above.
  - Manual scanned input of a fingerprint card must include the ability to insert a mugshot image.
  - System must allow Manual Entry of fingerprint cards for search and identification purposes only (Suspects/Deceased not stored in the archive) from a fingerprint card
    1. Allow optional entry of demographics (see above).
    2. Allow operator to set the core/axis.
    3. Allow operator to check patterns for accuracy.
    4. Allow submission of fingerprints for matching in Local AFIS.
    5. Provide method to review the search results and confirm the JSOID or SID number of the candidate.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.7 Fingerprint Card Capture Functionality

4.7.1 Hardware

4.7.2 Software

Vendor Initials _____

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4.8 Latent Print Functionality

4.8.1 Hardware

Vendor will provide 2 (two) complete Latent Print Stations that meet or exceed the following minimum specifications:

a. 4 core processor
b. 16 GB RAM
c. Windows 10 OS
d. Keyboard, Mouse
e. Monitors - Dual 24" monitors for each station
f. Flat Bed Scanner requirements:
   - Appendix F certification by FBI
   - 6400dpi resolution
   - Dual lens scanning
g. Camera (minimum specifications):
   - 3.3 megapixel
   - USB 2.0 microscopy
   - 2080 x 1536 resolution
   - All camera functions must be controllable by the Vendor System
h. Stand to hold camera
i. Adjustable lighting necessary to illuminate print from below and above.

4.8.2 Software

The Latent Print System solution shall contain the following features and processes:

- Vendor System shall provide a secure database for case management and the case management system will retain each encoding of a print including enhancements and descriptors.
- Ability to capture latent images by camera, scanner or file import
  - Latent images will be captured and stored at 1000ppi.
- Encoding of latent image
  - Ability to plot points of minutia on the print image without requirement to count ridges.
  - Latent Palm processing must allow for operator encoding and submission of the entire upper and lower palm region of the print.
  - Software must be able to perform a single encoding and submission of a latent print to the Local AFIS, FDLE AFIS and FBI NGI AFIS.
- Submission of latent print for an inquiry
  - Latent print must support FBI NGI AFIS increment 3 latent palm submissions to FBI NGI AFIS search and results.
  - System will perform latent finger and latent palm print comparison with prints in Local AFIS, FDLE AFIS and FBI NGI AFIS systems
- Verification of latent inquiry
  - Vendor System will display candidates on the screen with the original latent print for individual visual verification by the Latent Print Examiner.
  - Vendor System will print the fingerprint card for a candidate for visual verification.
- Charting Function

- The Vendor System will have a charting function that enables operators to create colored, annotated charts for court presentations.

- Potential Unsolved Latent Print Identifications – Vendor System will maintain a database of unsolved latent prints and shall compare these latent prints to all incoming prints for possible identification:
  - Candidates for an unsolved latent, per JSO determined preconfigured thresholds, shall be placed in a queue for verification by the Latent Print Examiner.

4.8.3 Latent Print Enhancement Tools

The Vendor System should have tools that provide the ability to enhance a latent image automatically or manually. The tools should include Base Tools, Histogram Modification Tools, Filter Tools, and Encoding Tools:

Base Tools

1. End Tool: A tool that stops the application of a previously selected tool and returns to the general cursor.
2. Draw/Select - A tool that allows the examiner to draw a geometrical shape to frame a specific area of the image.
3. A Delete Area tool that removes the shape created with the Draw/Select tool.
4. A tool that allows the examiner to toggle between an original and an enhanced image.
5. A tool that allows the examiner to adjust the contrast of the image.
6. A tool that allows the examiner to adjust the brightness of the image.
7. A tool that allows the examiner to zoom in or out of an image. Continuous zoom should be supported using the mouse wheel.
8. A clone tool that creates a copy of the image.
9. A copy tool that allows the encoding created by the examiner to be copied to a copied print.
10. A toggle that shows or hides the minutia points on the image.
11. A toggle that shows or hides the core points on the image.
12. A toggle that shows or hides the delta points on the image.
13. A toggle that shows or hides the ridge flow matrix for the image.

Histogram Modification Tools

1. A tool to enhance the image's friction ridges by improving the brightness and contrast through a combination of histogram transformation techniques.
2. A tool that balances the number of pixels over the entire range of grays, from white to black.
3. A tool to improve the clarity of images that have dark areas and poor contrast.
4. A tool that can eliminate background noise in images that have poor contrast and a large number of dark areas.
5. A tool that blackens dark pixels and whitens light pixels. To be used on very light images with poor contrast.
6. A tool that will allow the examiner to stretch the histogram according to minimum and maximum gray levels per examiner definition.
7. An auto tool that achieves the maximum level of contrast on a standard image.
8. A tool that stretches the histogram to the point of saturation. To be used on an image that has poor contrast or a noisy background.

Filter Tools

1. A tool that connects and cleans the ridges, in effect, making it easier to see the ridge flow and identify more minutiae. Should allow the use of the connector to identify the location of minutiae, but allow the ability to toggle back to the actual image to verify and place the minutiae.
2. A tool to remove background patterns from an image.
3. A tool that will increase the width of the furrows (decreasing ridge thickness), for use with some latent prints that exhibit the effects of pressure distortion and have very narrow furrows.
4. A tool to decrease the width of the furrows (increasing ridge thickness) by shrinking regions of black pixels, for use with some latent prints that exhibit the effects of pressure distortion and have very wide furrows.
5. A tool that can suppress large, non-print image elements that add no forensic information and that might obscure the print, for example, it should be able to reduce image noise due to ink, blood, paint, and similar substances.
6. A Fourier transformation tool that converts an image to the Fourier space, allowing an examiner to remove noise represented as peaks. Used to eliminate background lines that are different from lines in the print, such as a wood grain pattern.
7. A directional filter that enhances the ridges in a selected direction while suppressing signals in the other directions, with the light and shadows appearing as if the image is illuminated from that direction.
8. A tool that highlights the ridges in a selected direction, but does not suppress signals in the other directions.
9. A black/white reversal tool to allow the examiner to flip the histogram so that the dark pixels become light and the light pixels become dark.
10. A sharpening tool to make the image appear sharper; it should boost contrast between adjacent light and dark pixel groups.
11. A tool to convert a grayscale image to a two-tone black and white image to improve the display of a latent on a very light background; it should be able to be applied to an entire image or a selected area.

Encoding

1. An auto encoding tool that automatically extracts the minutiae from the ridge flow. If the ridge flow matrix does not exist, it will create it from the image. It should have two options:
   a) Ridge Flow: Automatically extract the minutiae from the ridge flow of the image
   b) Enhanced Image: For when the ridge flow does not exist, the minutiae are extracted from the image itself.
2. A manual tool to add new minutiae manually to any area of the image, including an area framed by a rectangle, polygon, or other geometrical shape. This tool should be able to move or change the orientation of a minutia.
3. A tool to add a core, delete a core, change the direction of a core tail, or move a core on an image.
4. A tool to add a delta, delete a delta, change the direction of a delta tail, or moves a delta on an image
5. A tool to add or delete a flow marker from the image.

6. A tool to re-edit the matrix once modifications have been made to the image, such as the addition of minutiae, deltas, or cores.
7. A tool that will create the ridge flow matrix from the original image.
8. A tool that allows the removal of marked features such as minutiae, cores, deltas, and flow markers.
9. A tool that allows selection of the desired threshold level for minutia quality. Minutiae below the selected threshold should be displayed in a one color, and those above the threshold should displayed in complementary color.
10. A tool that allows removal of the minutiae below a selected quality threshold.
11. A tool to remove the ridge flow matrix from a displayed image.
12. A tool that will simultaneously remove all minutiae markers on an image. If a defined area has been selected, only the minutiae inside that area should be deleted. If an area has been defined, but it has not been selected, only minutiae outside the area should be removed.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.8 Latent Print Functionality
- **4.8.1 Hardware**
- **4.8.2 Software**
- **4.8.3 Latent Print Enhancement Tools**

Vendor Initials _____

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4.9 RapidID Functionality

4.9.1 Hardware

- Vendor will provide a minimum of 7 (seven) wireless, handheld RapidID Devices and all necessary licensing.
- Devices must have a color display screen that is visible in full sunlight.
- Devices must have vibration feedback on successful capture of a print.
- Devices must have vibration feedback on result return.
- Devices must weigh less than 8 ounces.
- Devices may not be larger than 6" x 3" x 1" (pocket size).
- Device must be able to connect via WiFi, Bluetooth and USB to a host device.

4.9.2 Software and Functionality

- Once powered, the device must have one button activation to begin the capture process. This is required so there is minimal interaction necessary between the device and officer in order limit distraction of the officer while engaging an individual.
- RapidID software must allow for automation of capture and submission of the fingerprint for searches.
- Device must perform quality control on a captured fingerprint and signal the user if a captured print is not sufficient for matching.
- RapidID device shall have the ability to perform a 2-finger quick search against the Local AFIS, FDLE RapidID system and the FBI RISC database.
- Mobile devices for RapidID must be able to display search results on the mobile capture device. A connected laptop, tablet or smartphone is not acceptable as the only means of displaying the hit/no hit results. (Per CJIS rules, it is permissible for CJIS data to be limited on the RapidID device – this is the only exception for displaying data on the host device.)
- Device must have the capability to display a mugshot and basic demographics for a hit (including JSOID for a JSO match and/or SID for a FDLE AFIS match).
- RapidID shall include reports of usage available to administrators that will include but are not limited to detail on how many searches are completed per device and detail dispositions of those searches.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.9 RapidID Functionality
4.9.1 Hardware
4.9.2 Software and Functionality

Vendor Initials _____

4.10 Facial Recognition Functionality

4.10.1 Software and Functionality

- Bid shall include a minimum of 2 (two) user licenses for Facial Recognition Software for installation on JSO provided workstations.
- Facial recognition software must allow matching of facial images from a video clip or a digital photo.
- Solution must support a variety of file formats for images including JPEG, JPG2000, TIFF, GIF, PNG and BMP.
- Solution must support a variety of file formats for videos including AVI containers, MPEG4-part 2 codecs.
- Solution must provide the ability to use descriptors as filters to improve search results.
- Solution must adhere to ISO 19794-5 and ANSI/NIST-compliant face-image acquisition.
- Software must support the transformation of side profile facial images into frontal facing images for matching.
- Facial recognition solution must support submission of searches to the FBI NGI AFIS Increment 4 Facial Application and have the capability to display results.
- Solution must provide tracking of all image enhancements for submission to court.
- Solution must allow the JSO to select photo repositories for matching.

4.10.2 Facial Recognition Enhancement Tools

Solution must include image enhancement tools to improve poor-quality images and images where the subject is not optimally positioned.

A. Basic Tools

Standard Image Enhancement Tools (at minimum)

1. Stretch
2. Horizontal Reversal
3. Vertical Mirroring
4. Negative
5. Zoom/Pan
6. Contrast
7. Brightness
8. Sharpen
9. Blur
10. Gamma Adjustment
11. RGB Adjustment
12. Undo/Redo

B. Enhanced Tools (at minimum)

1. 3D Modeling Tool – Ability to create a frontal photo from a non-frontal image by mapping features.
2. Edit Eyes – Ability to map the eye positions manually.
3. Auto Center – Centers the image within the image pane and resizes it to the original imported size.
4. Equalize – Used to enhance contrast on poor quality images.

5. Auto Encode – System should have the ability to auto process the encoding of a face.
6. Detect Faces – System will attempt to detect faces in an image.
7. Toggle Tool – Toggle between original image and enhanced image.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.10 Facial Recognition Functionality

4.10.1 Software and Functionality

4.10.2 Facial Recognition Enhancement Tools

Vendor Initials _____

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4.11 Interfaces

The vendor will build, code, provide and maintain the following interfaces to external applications and systems. Vendor system will provide standard FDLE NIST file formats and will include JSO-defined fields.

4.11.1 JSO Jail Management System

- Provide and maintain the interface with the JSO Jail Management System (JSO JMS)
- The Vendor System will:
  - Provide arrestee information from the JSO JMS to populate the demographic information on the LiveScan station for the fingerprint/palm print collection.
  - Provide JSO JMS with the Local AFIS system's unique identifier (JSOID).
  - Provide JSO JMS with the mugshot.
  - Send an "add" file to the JSO JMS to provide the State ID number (SID) received from FDLE's AFIS system.
  - Retrieve charge information, SID and JSOID from the JSO JMS and send Pass-2 information to FDLE AFIS.
  - Pass charge information from JSO JMS to the JSO Mugshot System.
- NOTE: JSO is currently considering an upgrade and/or replacement of the current JSO JMS. The vendor agrees that as part of this offering, the vendor will build, provide and maintain a second set of interfaces, at no additional charge, providing the JSO requests the additional set of interfaces in writing within a 12 (twelve) month period after Go-Live.

4.11.2 JSO Felony Registration System

- Provide and maintain the interface with the JSO Felony Registration System.
  - Provide the JSO Felony Registration System with demographic information received from a LiveScan.
  - Provide the search results from FDLE AFIS back to the JSO Felony Registration System.

4.11.3 JSO Mugshot System

- Provide and maintain an interface with JSO's Mugshot System (JPICS).
  - Provide mugshot image files from the LiveScan to the JPICS system.
  - Interface will include functionality to send images of scars, marks and tattoos (labeled as such) with description and location fields to JPICS system.
  - Provide an update file to the JPICS system to add charge information received from JSO JMS.
- NOTE: A portion of the interface may need a potential modification if JSO moves to a new JSO JMS vendor. Modification of this portion of the interface between JSO JMS and JSO Mugshot System will be provided to JSO at no additional charge, providing the JSO requests the interface change in writing within a 12 (twelve) month period after Go-Live.

4.11.4 FDLE AFIS/FBI NGI AFIS

- Provide and maintain interfaces with the FDLE AFIS and the FBI NGI AFIS.
  - Provide and maintain an interface to the FDLE AFIS for the submission and searching of criminal, registrant, applicant, and mobile records.
  - Provide and maintain an interface with FDLE AFIS to submit Tenprints, Latent Prints and report of arrest charges.

- Provide the ability to choose the option for Latent Prints to be sent to FBI NGI AFIS for identification.
- Provide the ability to process criminal tenprint records to FDLE AFIS from a LiveScan station.
- Provide the ability to process criminal tenprint records for entry into the Local AFIS and allow operator the ability to choose to submit to FDLE AFIS from a card capture workstation.
- Software must be able to perform a single encoding and submission of a latent print to the Local AFIS, FDLE AFIS and FBI NGI AFIS.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

4.11 Interfaces

4.11.1 JSO Jail Management System

4.11.2 JSO Felony Registration

4.11.3 JSO Mugshot System

4.11.4 FDLE AFIS/FBI NGI AFIS

Vendor Initials _____

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5 SERVICES

5.1 Data Migration

Record counts are continuously changing and are estimates. All migratable records must be migrated.

- Import all prints from the JSO Local AFIS system provided by NEC.
  - Approximately 675,000 tenprints.
  - Approximately 235,000 palm prints.
- Import the majority of prints from JSO's NIST Archive system provided by DataWorksPlus.
  - Approximately 600,000 Archive Prints. All prints will be migrated except the images related to the DataWorks Barcode Scanning System.
- Import all mugshots from the JSO mugshot system (files in .JPEG format).
  - Approximately 2,000,000 mugshots.

5.2 Training

The vendor shall provide comprehensive onsite training for the minimum numbers of personnel listed in the table below.

- All training will include user guides, system administrator guides, and training materials.
- Materials will be provided as follows: A minimum of one soft copy (electronic copy) per student and one hard copy (paper manual) per workstation.
- Training materials must be written in a step-by-step format.
- Training must be completed before the Go-Live date.
- Training will be held both in a classroom setting and onsite at the location of the workstations.
- The training classes must cover all features and functionality of the system. Final training plan will be developed by vendor with input by the JSO. JSO must approve the final plan.
- Classroom training and onsite training will be held during the hours listed in the table below (final schedule will depend on availability of the JSO personnel and availability of equipment).
- Class size will be limited as per the table below.
- The JSO will provide a classroom that:
  - Is large enough to accommodate the maximum class size.
  - Contains a whiteboard, overhead projector and screen.

Type of Training	Max Trainees per Session	No. of Sessions	Duration of Class Session
LiveScan	5	5	1-2 days
Card Capture	5	3	1-2 days
Latent Print Station Training	4	1	2-3 days
Administrator Training	10	2	3-5 days
Facial Recognition Training	5	1	0.5 day
RapidID Training	2	1	0.5 day

All trainings will be held during business hours with the exception of the Card Capture and LiveScan trainings which, due to shift work, will be held both during standard business hours and held in the evening from approximately 7 pm to 3 am. There will be 2-3 of the evening classes required.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

5 SERVICES

5.1 Data Migration

5.2 Training

Vendor Initials _____

6 PROJECT TIMETABLE

6.1 Payment Milestones

Payments will follow the schedule below:

Time Period	Description	Example Date	Definition JSO Payments will begin and be governed by the Milestone payments as listed in the table below.
Year 0 – Milestone # 1	Purchase Order is Issued – Fully Executed Contract	07/01/xx17	Implementation begins. Implementation must be complete within 9 months Milestone # 1 - 10 % of Purchase Price
Year 0 – Milestone # 2	Requirements Definition Document is Complete and Approved	TBD	Milestone # 2 – 15% of Purchase Price
Year 0 – Milestone # 3	System Build/Interfaces Completed and Verified	TBD	Milestone # 3 – 50% of Purchase Price
Year 0 – Milestone # 4	Equipment Delivered to JSO	TBD	Milestone # 4 – 20% of Purchase Price
Year 0 – Milestone # 5 – Go Live	System Acceptance (Implementation is complete and system is available Beneficial Use)	No more than 9 months from time of Milestone # 1 04/01/xx18	Milestone # 5 – 5% of Purchase Price Final Payment

First Year Support and Maintenance will begin upon Go-Live.

Penalty: Should the vendor fail to meet the agreed upon implementation deadlines and if the delay is not due to the failure of the JSO to perform or provide resources and the delay extends past the due date by more than 45 business days, the delay will cause a penalty to be applied, at the city's sole discretion, of 0.5% of the total amount of the award. This penalty will be deducted from the next scheduled invoice. Continued and repeated instances of delays that extend more than 60 days may result in rescindment of award at the City's sole discretion.

6.2 Vendor Responsibilities

6.2.1 Project Management Services

Vendor will:

- Provide a Project Manager (PM) to coordinate all design definition, engineering efforts, procurement, factory integration and testing, shipment, installation, site integration, acceptance testing, training, transition, and support activities.
    - The Vendor PM will also:
        a) Serve as primary customer contact and develop a close team environment among all personnel to facilitate a continuous transfer of knowledge throughout the contract.
        b) Conduct the project's status meetings and provide status reports.
        c) Create and maintain an Action Item Log.
        d) Resolve deviations from the project scope and administer change control.

6.2.2 Project Design Documentation

Vendor will:

- Draft all Design Documentation in the List of Deliverables and provide to the JSO for review, comment, and approval.

6.2.3 Site Preparation

Vendor will:

- Perform site surveys as needed.
- Provide site preparation documentation identifying the power, network, air conditioning, space, cabling, access, security, and equipment layout requirements for system implementation.

6.2.4 Installation and Onsite Integration Testing

Vendor will:

- Propose the installation schedule in advance of delivery and provide to the JSO for review, comment and approval.
- Unpack, inventory, and install all equipment.
- Power up the equipment and verify connectivity between components.
- Troubleshoot any installation issues.
- Run onsite integration tests with the external systems.
- Identify any open issues prior to Acceptance Testing.

6.2.5 Site Acceptance Test (SAT)

Vendor will:

- Organize the SAT and run the tests according to the approved Test Plan.
- Track any issues found during the SAT on a punch list and provide a plan for resolution.
- Fix the punch list issues, rerun the failed tests, and issue a report for a SAT retest.

6.2.6 Cutover

Vendor will:

- Provide a cutover plan and schedule.
- Assist JSO staff in placing the system in production status.
- Monitor system performance for a minimum of 3 (three) days to ensure transactions are being processed properly.
- Report issues to Vendor Support for Future Warranty Support tracking.
- Complete a final residual migration/conversion and load records.
- Submit a request for Final Acceptance.

6.2.7 Performance Analysis and Tuning

Vendor will:

- Conduct monthly reviews of system capacity, usage, performance indicators, and event logs to identify potential problems.
- Routinely evaluate performance indicators, and make recommendations for altering system parameters and configurations to maintain optimum performance. Implement approved changes.

6.3 JSO Responsibilities

JSO will provide or will be responsible for:

- Providing facility resources necessary for equipment installation and operation, including access, space, environmental control, and electrical power;
- Appointing a minimum of one qualified employee and one backup employee to be point of contact for the implementation;
- Appointing one or more qualified employees to work with the Vendor Technician in performing system administration duties, including reporting and verifying problems;
- Appointing a Primary Technical Contact to be the liaison for system backups;
- The LAN/WAN connection;
- Temporary storage area for delivered hardware;
- Providing access to the facility as required;
- Providing support for site and security issues;

NOTE: Vendor will not be held responsible for delays that are the fault of the JSO.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

6 PROJECT TIMETABLE

6.1 Payment Milestones

6.2 Vendor Responsibilities

6.2.1 Project Management Services

6.2.2 Project Design Documentation

6.2.3 Site Preparation

6.2.4 Installation and Onsite Integration Testing

6.2.5 Site Acceptance Test (SAT)

6.2.6 Cutover

6.2.7 Performance Analysis and Tuning

6.3 JSO Responsibilities

Vendor Initials _____

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7 SUPPORT/WARRANTY/UPGRADE

7.1 Support Requirements

- Support must include replacement hardware parts, with critical spare parts stored on site.
- Vendor support must be provided by a full time employee who must reside within the state of Florida.
- Support personnel assigned to support the JSO must have a minimum of 2 (two) years of experience supporting Vendor's technology.

7.2 Response Times

- Vendor will provide 24-hour phone support with a one hour telephone response time.
- Vendor will have a maximum of 24 hours to respond on site if necessary.
- The Local AFIS and Archive, Backup and Recovery System, RapidID Solution and all interfaces shall be covered under 24 x 7 maintenance and support plan.
- Individual LiveScan Stations, Individual Fingerprint Card Capture Stations, Individual Latent Stations and Facial Recognition Solutions will be covered under 8 x 5 maintenance and support plan.

7.3 Annual Maintenance

- Vendor agrees to guarantee support and maintenance on the entire system for a period of not less than 12 (twelve) years.
- Annual support fees shall cover all costs and fees for Oracle licensing and support.
- Annual support fees shall cover all costs and fees for licensing and support for all operating systems associated with the solution.
- Warranty and support for the entire system for the first year after Go-Live shall be included in the purchase price.
- Cost for annual maintenance will be fixed fee.
- The cost for the annual maintenance and support fees will be included in the low bid determination, however, the initial purchase will not include and is not a guarantee for renewal of Support for Years 2 (two) through 12 (twelve).
- TERMINATION FOR NON-APPROPRIATION OF FUNDS: Notwithstanding any other provision of this Agreement, the Jacksonville Sheriff's Office shall not be obligated for the Vendor's performance hereunder or by any provision of this Agreement during any of the Jacksonville Sheriff's Office future fiscal years unless and until the Jacksonville Sheriff's Office appropriates funds for the renewal of support for each such future fiscal year. In the event that funds are not appropriated, then the Agreement shall terminate as of last day of support of the last fiscal year for which funds were appropriated. The Jacksonville Sheriff's Office shall notify the Vendor in writing of any such non-allocation of funds at the earliest possible date.

7.4 Future Upgrade and Technology Refresh

Vendor must agree to and provide the following upgrade/refresh plan AT NO ADDITIONAL COST:

- Vendor agrees to provide, in Year 7 (seven), a total hardware and software technology refresh. This technology refresh must allow JSO to upgrade to newer system versions, and allow JSO to access the latest technology advances at no additional cost.

- The refresh must include all provided hardware and the Vendor System's latest operational system technology within the same functional scope as installed initially. All training, travel, per diem and expenses for migration and implementation will be at the vendors cost.
- Exception: If additional functionality (either not currently available or not purchased in this original purchase) is available in Year 7 (seven) and requires additional hardware or configuration services, JSO agrees that those items will be quoted at an additional cost. For example, if an integrated DNA is then supported by the new release and JSO would like to add it, then the required barcode scanners and workflow configuration effort would be quoted at an additional cost.

7.5 Maintenance Payment/Refresh Timetable

Year 1	Begins on Go-Live Date and continues for 12 Months	04/01/xx18 – 03/31/xx19	Support and Maintenance for this period must be included in the system price.
Year 2	Maintenance	04/01/xx19 – 03/31/xx20	Support and Maintenance Payment 1 – Fixed Fee
Year 3	Maintenance	04/01/xx20 – 03/31/xx21	Support and Maintenance Payment 2 – Fixed Fee
Year 4	Maintenance	04/01/xx21 – 03/31/xx22	Support and Maintenance Payment 3 – Fixed Fee
Year 5	Maintenance	04/01/xx22 – 03/31/xx23	Support and Maintenance Payment 4 – Fixed Fee
Year 6	Maintenance	04/01/xx23 – 03/31/xx24	Support and Maintenance Payment 5 – Fixed Fee
Year 7	Maintenance	04/01/xx24 – 03/31/xx25	Support and Maintenance Payment 6 – Fixed Fee
Year 7	Technology Refresh	04/01/xx24	Upon receipt of payment in Year 7 (Support and Maintenance Payment # 6) Vendor will provide the Technology and Hardware Refresh at no additional charge that is described in the bulleted section above this table.
Year 8	Maintenance	04/01/xx25 – 03/31/xx26	Support and Maintenance Payment 7 – Fixed Fee
Year 9	Maintenance	04/01/xx26 – 03/31/xx27	Support and Maintenance Payment 8 – Fixed Fee
Year 10	Maintenance	04/01/xx27 – 03/31/xx28	Support and Maintenance Payment 9 – Fixed Fee
Year 11	Maintenance	04/01/xx28 – 03/31/xx29	Support and Maintenance Payment 10 – Fixed Fee
Year 12	Maintenance	04/01/xx29 – 03/31/xx30	Support and Maintenance Payment 11 – Fixed Fee

Vendor will invoice the JSO at each Milestone and at the beginning of each new maintenance period. Invoices will be due 30 (thirty) days from date of invoice.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

7 SUPPORT/WARRANTY/UPGRADE

7.1 Support Requirements

7.2 Response Times

7.3 Annual Maintenance

7.4 Future Upgrade and Technology Refresh

7.5 Maintenance Payment/Refresh Timetable

Vendor Initials _____

8 OTHER REQUIREMENTS

8.1 References

- **Failure to provide required references and required proofs will be grounds for bid rejection.**
- Vendor must provide no less than 1 (one) customer reference of a similar completed implementation, within the previous 36-months, within the State of Florida, at a law enforcement agency of similar size or that processes a similar number of searches as the Jacksonville Sheriff's Office. Bidders must provide the reference agency point of contact and contact information in their bid packet.
- Vendor must provide no less than 1 (one) customer reference of a similar completed implementation, within the previous 36 months, outside of the State of Florida at a law enforcement agency of similar size or that processes a similar number of searches as the Jacksonville Sheriff's Office. Bidders must provide the reference agency point of contact and contact information in their bid packet.
- Vendor must provide no less than 2 (two) customer references of similar completed AFIS implementations, within the previous 36 months, within the State of Florida, at any size law enforcement agency. Bidders must provide the reference agency point of contact and contact information in their bid packet.
- Vendor must provide documentation as part of their bid package that their system has the ability to perform a single encoding and has had a successful submission of a latent print to FDLE AFIS and FBI NGI AFIS.

8.2 Criminal Justice Information Services (CJIS)

The Vendor System shall comply with the latest Florida CJIS security policy.

Vendor Technicians **MUST** be eligible to be CJIS certified.

- Must be 18 years of age or older
- Must be fingerprinted
- Must be United States citizen
- Must not have a felony conviction of any kind
- Must sign a CJIS Security Addendum
- Detailed information can be found at the following link: https://www.fbi.gov/services/cjis/cjis-security-policy-resource-center which will take you to the Official CJIS Security Policy Resource Center. See sections 5.12.1.1 & 5.12.1.2 of the CJIS Security Policy.

Please initial confirming you have read and understand this section and will be able to comply with all requirements and specifications listed in Section(s):

8 OTHER REQUIREMENTS

8.1 References

8.2 Criminal Justice Information Services (CJIS)

Vendor Initials _____

QWS3270X 5/11/2017 3:51 PM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 05/11/2017
LINK TO: ACCOUNT SUMMARY INQUIRY 3:51 PM

FISCAL MO/YEAR : 08 2017 CURRENCY CODE :
INDEX CODE : SHPP011ISM INFORMATION SYSTEMS MANAGEMENT
SUBOBJECT : 06427 COMPUTER EQUIPMENT
PROJECT :
PROJECT DETAIL :
GRANT :
GRANT DETAIL :
USER CODE :

S	MAY 2017	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	2,101,892.28	2,101,892.28
EXPENDITURES	.00	265,290.69	265,290.69
ENCUMBRANCES	.00	5,051.85	5,051.85
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	1,831,549.74	1,831,549.74

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO

G014 - RECORD FOUND