

Memorandum



Date: June 2, 2021

To: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

From: Daniella Levine Cava
Mayor *Daniella Levine Cava*

Agenda Item No. 8(F)(4)

Subject: Recommendation for Approval of a Legacy Purchase under Contract No. L769
Integrated Security Control System Support Resolution No. R-543-21

Recommendation

It is recommended that the Board of County Commissioners (Board) authorize this request for a legacy purchase under *Contract No. L769, Integrated Security Control System Support*. Approval of a legacy purchase is being requested by the Miami-Dade Corrections and Rehabilitation Department (Corrections), pursuant to Section 2-8.1(b)(2) of the Miami-Dade County Code to authorize the purchase of a system upgrade through an amendment to the current contract in the amount of \$1,000,000. The Board awarded the original legacy contract for maintenance and support on April 9, 2019 for a three-year term with one, two-year option to renew term through Resolution No. R-365-19.

Corrections uses the underlying contract to for maintenance, support and professional services for the existing security system provided by Black Creek Integrated Systems Corp. (Black Creek). The security system provides a centralized control of the security sub-systems, including: Security Alarm System, closed circuit television (CCTV)/Digital Video, Intercom Systems, Paging Systems, Duress Systems, Door Control Systems, and Watch Tour/Shift Log. Corrections has updated its CCTV video management software (VMS) to Vicon Valerus VMS (Valerus VMS) at the Turner Gilford Knight Correctional Facility and Metro West Detention Center. The Valerus VMS provides a full-featured VMS that has the capabilities to streamline every aspect of Corrections' security operation. As a result of this upgrade, it is also necessary to upgrade the security system provided by Black Creek.

The amendment is requested to support an upgrade of both the operating system and the security system in order to integrate with the Valerus VMS and to provide the latest touchscreen software provided by Black Creek. This touchscreen software will improve the safety of inmates and Corrections personnel by providing full visibility of the facility and the ability to seamlessly control all sub-systems. Due to previous budgetary constraints, the expenditure authority for this upgrade was not part of the original contract .

Competition for the upgrade of the security system is not feasible due to copyright laws and the proprietary nature of the existing Integrated Security Control System in the correctional facilities. Black Creek is the developer and owner of the software employed in the systems and is the sole firm capable and authorized to provide maintenance and support for the existing systems installed in the County's correctional facilities. To date, the County has invested approximately \$4,000,000 for the security system installation, equipment delivery, testing, implementation, annual hardware maintenance and technical support. It is estimated that the acquisition of a new security system would exceed \$1,000,000 and would entail integration of the new system with current hardware, inclusive of the aforementioned upgraded CCTV.

The additional funds requested under this modification will ensure the continuity of security for the systems installed at the two correctional facilities. Accordingly, it is in the County's best interest to award this legacy purchase pursuant to Section 2-8.1(b)(2) of the County Code to ensure continuity of services.

Scope

The impact of this item is countywide in nature.

Delegated Authority

The County Mayor or the County Mayor’s designee will have the authority to exercise all provisions of the contract, including any renewals, cancellation or extensions, pursuant to Section 2-8.1 of the County Code and Implementing Order 3-38.

Fiscal Impact/Funding Source

The current contract term expires on April 31, 2022, and has a cumulative allocation of \$477,000. If this request is approved, the contract will have a modified cumulative allocation of \$1,477,000. The requested amount is based on an assessment conducted by Black Creek to provide the requested products and services, as well as additional security cameras and equipment.

Department	Existing Cumulative Allocation	Additional Allocation Requested	Modified Cumulative Allocation	Funding Source	Contract Manager
Corrections and Rehabilitation	\$477,000	\$1,000,000	\$1,477,000	General Fund	Zuleika Davidson
Total:	\$477,000	\$1,000,000	\$1,477,000		

Track Record/Monitor

Sade Chaney of the Internal Services Department is the Procurement Contracting Manager.

Awarded Vendor

Vendor	Principal Address	Local Address	Principal
Black Creek Integrated Systems Corp.	2900 Crestwood Boulevard Irondale, AL	None	I.E. Newton, III

Due Diligence

Pursuant to Resolution No. R-187-12, due diligence was conducted in accordance with the Internal Services Department’s Procurement Guidelines to determine contractor responsibility, including verifying corporate status and review of performance and compliance issues through various vendor responsibility lists and a keyword internet search. The lists referenced include convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to contractor responsibility.

Applicable Ordinances and Contract Measures

- The two percent User Access Program provision applies where permitted by the funding source.
- The Small Business Enterprise Selection Factor and Local Preference do not apply.
- The Living Wage does not apply.



JD Patterson
Chief Public Safety Officer



MEMORANDUM

(Revised)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: June 2, 2021

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(F)(4)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Statement of social equity required
- ☐ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- ☐ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____ to approve
- ☒ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(F)(4)
6-2-21

RESOLUTION NO. _____ R-543-21

RESOLUTION AUTHORIZING AWARD OF A LEGACY CONTRACT THROUGH SUPPLEMENT AGREEMENT NO. 1 FOR INTEGRATED SECURITY CONTROL SYSTEM SUPPORT FOR THE MIAMI-DADE CORRECTIONS AND REHABILITATION DEPARTMENT, CONTRACT NO. L769, WITH BLACK CREEK INTEGRATED SYSTEMS CORP. IN AN AMOUNT UP TO \$1,000,000.00 FOR A MODIFIED TOTAL CONTRACT AWARD OF \$1,477,000.00 FOR THE INITIAL TERM AND APPROVING TERMS OF AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE SUPPLEMENT AGREEMENT AND TO EXERCISE ALL PROVISIONS OF THE MODIFIED CONTRACT, INCLUDING ANY RENEWALS, CANCELLATION OR EXTENSIONS, PURSUANT TO SECTION 2-8.1 OF THE COUNTY CODE AND IMPLEMENTING ORDER 3-38

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that:

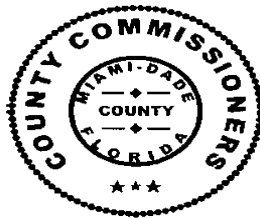
Section 1. This Board authorizes award of a legacy contract, pursuant to section 2-8.1(b)(2) of the Miami-Dade County, Florida Code, to Black Creek Integrated Systems Corp. through the execution of Supplement Agreement No. 1 to Contract No. L-769 in an amount not to exceed \$1,000,000.00 for a modified total contract award of \$1,477,000.00 for the initial term, in substantially the form attached hereto and made a part hereof, for Integrated Security Control System Support for the Miami-Dade Corrections and Rehabilitation Department.

Section 2. This Board further authorizes the County Mayor or County Mayor's designee to execute Supplement Agreement No. 1 and to exercise all provisions, including any renewals, cancellation or extensions, of the modified contract pursuant to section 2-8.1 of the County Code and Implementing Order 3-38.

The foregoing resolution was offered by Commissioner **Rebeca Sosa**, who moved its adoption. The motion was seconded by Commissioner **Sally A. Heyman** and upon being put to a vote, the vote was as follows:

Jose "Pepe" Diaz, Chairman	aye		
Oliver G. Gilbert, III, Vice-Chairman	aye		
Sen. René García	aye	Keon Hardemon	aye
Sally A. Heyman	aye	Danielle Cohen Higgins	aye
Eileen Higgins	aye	Joe A. Martinez	aye
Kionne L. McGhee	aye	Jean Monestime	aye
Raquel A. Regalado	aye	Rebeca Sosa	aye
Sen. Javier D. Souto	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 2nd day of June, 2021. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

Melissa Adames

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

A handwritten signature in dark ink, appearing to read "OR".

Oren Rosenthal

SUPPLEMENTAL AGREEMENT NO. 1

Contract Number: L769

Contract Title: Integrated Security Control System Support

Contractor: Black Creek integrated Systems
2900 Crestwood Boulevard
Irondale, AL 35210

In accordance with the above referenced Contract, this Supplemental Agreement No. 1, when properly executed becomes part of the Agreement, effective upon execution:

Whereas, the County and Contractor desire to modify the Agreement to add additional services to be provided by the Contractor to the County; and

Whereas, Article 42 of the Agreement allows for the Acquisition of Other Services and Article 4(A) of the Agreement provides that the Agreement may only be modified in a written amendment duly executed by both parties; and

Whereas, this Supplemental Agreement No. 1 sets forth the terms and conditions that are in addition to and/or modify those terms and conditions set forth in the original Agreement

Now, therefore, in consideration of the premises and mutual promises contained herein, the parties hereto agree to the following modification to the Agreement

1. Incorporate Attachment A-1 and A-2 to Appendix "A" as additional services and Attachment B-1 to Appendix "B" as additional compensation for those services in addition to the provisions already contained in those Appendices.

All other terms, covenants and conditions of the original Contract shall remain in full force and effect, except to the extent amended herein.

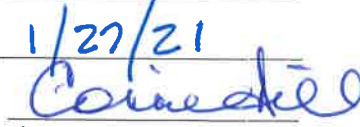
IN WITNESS WHEREOF, the parties have executed this Supplemental Agreement No. 1 to Contract No. L769 for Integrated Security Control System Support.

By:  Contractor

Name: I.E. Newton, III

Title: President

Date: 1/27/21

Attest: 
Corporate Secretary/Notary

Corporate Seal/Notary

By: Miami-Dade County

Name: Daniella Levine Cava

Title: Mayor

Date:

Attest:
Clerk of the Board

Approved as to form
and legal sufficiency

Assistant County Attorney

Attachment A-1 – Scope of Work

Turner Guilford Knight Correctional Center

Contractor shall **furnish and install** complete and in accordance with the terms, conditions, and any exceptions stated herein, goods and/or services to provide an upgrade of the existing Black Creek Touchscreen Control System. This upgrade will implement the Windows® 10 Operating System ("OS") and the latest Black Creek touchscreen software in order to support the County's upgrade of the closed circuit television ("CCTV") video management software from ViconNet to Valerus. Proposal is based on Contractor as-built documentation and information provided by the County.

General Description of the Work

The existing GE Automation 90-30 Programmable Logic Controllers ("PLCs") and existing locking relays will be reused. All existing touchscreen control stations will be replaced with new touchscreen control stations equipped with the Windows® 10 OS and the latest Black Creek touchscreen software; new monitors will be provided. A new Utility Computer and Security Server will be provided. Operational intercom headend equipment and intercom master stations will be reused. No changes will be made to existing field devices (e.g., door locks, intercoms) that are already integrated into the security control system; control and/or annunciation of existing field devices consistent with that of the existing system will be maintained. A new VPN appliance will be provided for remote support via the Internet. A new network time synchronization appliance and rooftop GPS antenna to synchronize time across all networks will be provided. Minor upgrades to the existing network components will be provided as required to support the system upgrades and ensure compatibility with Windows® 10 OS.

The existing Black Creek touchscreen system utilizes an interface to the County's existing Vicon CCTV system (provided by others) to provide video display and call-up of existing cameras on the new Touchscreen stations; the existing interface will be maintained, and there will be no changes in functionality. Proposal assumes the County will upgrade the existing ViconNet video management software ("VMS") to Vicon's Valerus VMS; Black Creek will update the interface as necessary to support the Vicon Valerus VMS and to provide the same functionality on the touchscreen system.

1.0 Locking Control System

1.01 Reuse existing PLCs and locking relays to provide control for and/or annunciation of the locking system, intercommunications systems, and other miscellaneous security systems as described herein consistent with existing system.

1.02 Remove and replace (7) existing Touchscreen control stations at the following control locations with (7) new Dual 32" LCD **Super Display®** Touchscreen control stations:

- Central Control (Room 1037) – (4) control stations (TS-1, TS-2, TS-3, TS-4)
- Rear Sallyport Control (Room 1180) – (2) control stations (TS-8, TS-31)
- Housing Unit 8-3 Control – (1) control station (TS-29)

Each new Dual **Super Display®** Touchscreen control station will be equipped with (2) 32" LCD monitors, CPU, keyboard, mouse, and Windows® 10 OS. The primary monitor at each workstation will have a split screen, with the left side of the monitor dedicated to security control of field devices and the right side of the monitor dedicated to CCTV camera call-up and video display. The secondary 32" LCD monitor will be dedicated to CCTV camera call-up and video display.

1.03 Remove and replace (24) existing Touchscreen control stations with (24) new Single 32" LCD **Super Display®** Touchscreen control stations, one (1) each at the following existing control locations:

- Booking (TS-5)
- Clinic Station/Nurse's Station, Room 1089 (TS-6)
- Medical Holding Unit (TS-7)
- Watch Commander Office (TS-9)
- Transportation Sallyport (TS-10)
- Housing Unit 2-1 (TS-11)
- Housing Unit 2-2 (TS-12)
- Housing Unit 2-3 (TS-13)
- Housing Unit 2-4 (TS-14)
- Housing Unit 2-5 (TS-15)
- Housing Unit 2-6 (TS-16)
- Housing Unit 2-7 (TS-17)
- Housing Unit 2-8 (TS-18)
- Housing Unit 4-1 (TS-19)
- Housing Unit 4-2 (TS-20)
- Housing Unit 4-3 (TS-21)
- Housing Unit 4-4 (TS-22)
- Housing Unit 4-5 (TS-23)
- Housing Unit 4-6 (TS-24)
- Housing Unit 6-1 (TS-25)
- Housing Unit 6-2 (TS-26)
- Housing Unit 6-3 (TS-27)
- Housing Unit 6-4 (TS-28)
- Housing Unit 8-2 (TS-30)

Each new Single **Super Display®** Touchscreen control station will be equipped with (1) 32" LCD monitor, CPU, keyboard, mouse, and Windows® 10 OS. The primary monitor at each workstation will have a split screen, with the left side of the monitor dedicated to security control of field devices and the right side of the monitor dedicated to CCTV camera call-up and video display.

- 1.04 Remove and replace existing security server with (1) new rack-mount server computer utilizing Windows® 10 OS and latest Black Creek touchscreen control software.
- 1.05 Remove and replace existing utility/data logger computer with (1) new rack-mount utility computer utilizing Windows® 10 OS.
- 1.06 Remove and replace existing VPN appliance with (1) new VPN appliance for remote diagnostics and troubleshooting via the Internet.
- 1.07 Reuse existing equipment cabinets.
- 1.08 Reuse existing Gigabit Ethernet switches, patch panels, jacks, patch cables, and fiber optic media equipment as part of the complete Locking Network.
- 1.09 Furnish and install (1) new GPS-based time synchronization appliance with antenna for time synchronization across all security system networks.
- 1.10 Reuse existing field devices; control and/or annunciation consistent with that of the existing system will be maintained.

2.0 Intercommunication and Paging System

- 2.01 Reuse existing intercom headend equipment, intercom master stations, paging amplifiers, and field devices. Control and annunciation of intercoms and paging speakers consistent with that of the existing system will be provided; there will be no changes to existing functionality.

3.0 Closed Circuit Television System

- 3.01 Reuse County's existing Vicon CCTV system with Valerus Video Management Software; refer to 7.06.
- 3.02 Provide programming and integration services to upgrade the interface between the touchscreen system and the Valerus VMS as needed to provide the same functionality as that of the existing system (refer to 5.12 for more information). Control and annunciation consistent with that of the existing system will be provided; there will be no changes to existing functionality.

4.0 Miscellaneous Systems

- 4.01 Reuse existing utility interface panels to provide control consistent with the current system's functionality for lights.
- 4.02 Reuse existing elevator interface panel to provide control consistent with the current system's functionality of inmate movement elevators.
- 4.03 Control and annunciation for all other systems not specifically named will remain consistent with that of the current system.

5.0 County Responsibilities

- 5.01 Installation and testing of any additional cabling and/or conduit that may be required.
- 5.02 Provide high-speed Internet connection with real-world IP address for VPN connection at the facility for remote diagnostics and remote support via the Internet; existing may be reused.
- 5.03 Network configuration to allow connectivity to the video network for viewing of camera video and any additional equipment necessary to accomplish this such as routers, and switches. is to be provided by the County.
- 5.04 Modifications/additions to existing millwork/casework or touchscreen mounting brackets if needed.
- 5.05 Provide a secure onsite storage location for Contractor materials, equipment, and tools.
- 5.06 Allow technicians the use of facility's lifts and ladders as needed. A lift is required for any work task covered by this proposal that exceeds working height of an 8' ladder.
- 5.07 Provide office/work space with access to a telephone and Internet for use by Contractor's technician.
- 5.08 Dispose of existing hardware removed during the upgrade.
- 5.09 Provide a sufficient number of escorts to installation technicians during the course of the onsite work.
- 5.10 Provide timely review and approval of Contractor Engineering and software submittals, per the project schedule.
- 5.11 Repair/replacement of existing field devices to be reused that are found to be non-operative, misadjusted, misaligned, defective, and/or missing (refer to 6.03).

5.12 The following are the mandatory requirements and clarifications to integrate a CCTV system provided by others with a Black Creek detention control system and provide live video stream on touchscreen workstations. All items are to be provided to Contractor at no cost to Contractor.

5.12.1 VRMS must have a documented Application Programming Interface ("API") available to access live video streams from the Third Party System. A software development kit ("SDK") must be provided to Contractor by the County at no cost for this purpose. SDK/API must be compatible with Microsoft Windows® 10 OS.

5.12.2 A fully operational VRMS software package must be provided to Contractor to setup a permanent test bed. At a minimum this must include licensing to support (32) cameras, recording of these cameras, (1) client workstation license, and any additional software/licensing to connect Third Party workstations utilizing the API. If VRMS software is NOT compatible with MS-Windows® 10 OS, additional hardware/software must be provided to Contractor to run VRMS software.

5.12.3 Contractor utilizes Bosch IP cameras to generate video streams to test integration and VRMS software. If the VRMS is NOT compatible with the Bosch IP cameras utilized by Contractor to test integration and software, then compatible IP cameras must be provided to Contractor to facilitate testing.

5.12.4 Any required technical support from VRMS vendor for integration must be made available to Contractor.

5.12.5 The County must facilitate any licensing/partnerships that may be necessary for Contractor to develop and deploy integrated solution.

6.0 Contractor Responsibilities

6.01 Provide all software, hardware, and ancillary services as described in this Scope of Work as required for a complete, satisfactorily operating system.

6.02 Provide programming, engineering, project management, shop drawings, installation, system commissioning, testing, O&M Manuals, as-built documentation, and Customer instruction for all sections described in this Scope of Work.

6.03 Perform all onsite hardware testing to ensure proper peripheral device installation. Existing field devices found to be defective shall be brought to the attention of the County for replacement or repair.

6.04 Load all software for initial testing and perform all software testing to ensure proper operation of security control system.

6.05 Perform all punch-list corrections as required.

6.06 Provide one-year warranty from date of completion on Contractor-furnished software, hardware, and ancillary services (see 11.0).

6.07 Provide an experienced Project Manager and Installation Manager to oversee the project.

6.08 Provide a detailed project schedule upon receipt of the Notice to Proceed and/or Purchase Order.

7.0 Clarifications

- 7.01 Proposal anticipates that all existing wire and cable can be reused and that existing wire meets current electrical codes and standards.
- 7.02 Proposal includes reuse of existing field devices and assumes that all existing equipment is fully operational.
- 7.03 Non-operative, misadjusted, misaligned, defective, missing, and/or unused devices or conductors/cabling shall be reported to the County for resolution.
- 7.04 Proposal assumes existing power panels, UPS units, circuits, and receptacles are sufficient to support the new system components. Any modification to existing or new power panels, circuits, or receptacles will be provided by the County.
- 7.05 Proposal is based upon providing a Contractor **Super Display®** Touchscreen system utilizing Contractor's standard engineering practices.
- 7.06 Proposal assumes the County will upgrade the CCTV VMS from ViconNet to Valerus.
- 7.07 Proposal assumes that all work will be performed during normal business hours (8:00 am - 5:00 pm, Monday-Friday, Eastern Standard Time).
- 7.08 Rooftop GPS antenna requires clear view of sky and must be within 65 feet of time server. Location of time server will be coordinated after contract award.
- 7.09 Proposal does not include Sales Tax. The County is a tax-exempt entity.

8.0 Exclusions

- 8.01 Fire Alarm System including interface/annunciation.
- 8.02 Changes to or upgrade of existing Watch Tour Manager®/Electronic Shift Log System.
- 8.03 Conduit and cabling, including termination.
- 8.04 Repair or replacement of existing field devices, door locks, or door position switches found to be defective.
- 8.05 CCTV System; the County is responsible for CCTV system. Contractor will provide interface only for display of camera video on touchscreen workstations.
- 8.06 Card Access System; County is responsible for card access system.
- 8.07 Replacement of defective or unusable wire/cables/conductors.
- 8.08 Modifications to existing or any new millwork or casework, if required.
- 8.09 Concrete, masonry, or carpentry work, if required.
- 8.10 New or modifications to existing UPS units, power panels, power circuits, or power receptacles, if required.
- 8.11 Internet service or connection for VPN access; existing will be reused.
- 8.12 Disposal of removed equipment.
- 8.13 Prevailing Wages.

8.14 Sales Tax. The County is a tax-exempt entity.

8.15 Retainage.

8.16 Performance and payment bonds (may be provided at 1.5% of contract amount).

8.17 Any equipment or service not previously described in this Scope of Work.

8.18 Warranty on any hardware or equipment not provided by Contractor.

9.0 Warranty

The proposal includes a one-year warranty for new equipment supplied under this proposal only.

9.01 Warranty is limited to repair or replacement of equipment deemed to have failed under conditions of normal use and excludes failures attributable to misuse, vandalism, flooding, or lightning.

9.02 Existing field devices and equipment to be reused or equipment/devices provided by the County are specifically excluded from this warranty.

9.03 Unless contracted with to do otherwise, Contractor will provide telephone and Internet based support only for warranty service issues. County will be responsible for providing onsite assistance with troubleshooting.

10.0 Delivery

Per contract requirements.

Metro West Detention Center

Contractor will **furnish and install** complete and in accordance with the terms, conditions, and any exceptions stated herein, goods and/or services to provide an upgrade of the existing Black Creek Touchscreen Control System. This upgrade will implement the Windows® 10 Operating System ("OS") and the latest Black Creek touchscreen software in order to support the County's upgrade of the closed circuit television ("CCTV") video management software from ViconNet to Valerus. Proposal is based on Contractor as-built documentation and information provided by the County.

General Description of the Work

The existing GE Automation 90-30 Programmable Logic Controllers ("PLCs") and existing locking relays will be reused. All existing touchscreen control stations will be replaced with new touchscreen control stations equipped with the Windows® 10 OS and the latest Black Creek touchscreen software; new monitors will be provided. A new Utility Computer and Security Server will be provided. Operational intercom headend equipment and intercom master stations will be reused. The existing card access system will be reused. No changes will be made to existing field devices (e.g., door locks, intercoms) that are already integrated into the security control system; control and/or annunciation of existing field devices consistent with that of the existing system will be maintained. A new VPN appliance will be provided for remote support via the Internet. A new network time synchronization appliance and rooftop GPS antenna to synchronize time across all networks will be provided. Minor upgrades to the existing network components will be provided as required to support the system upgrades and ensure compatibility with Windows® 10 OS.

The existing Black Creek touchscreen system utilizes an interface to the County's existing Vicon CCTV system (provided by others) to provide video display and call-up of existing cameras on the new Touchscreen stations; the existing interface will be maintained, and there will be no changes in functionality. Proposal assumes the County will upgrade the existing ViconNet video management software ("VMS") to Vicon's Valerus VMS; Contractor will update the interface as necessary to support the Vicon Valerus VMS and to provide the same functionality on the touchscreen system.

1.0 Locking Control System

- 1.01 Reuse existing PLCs and locking relays to provide control for and/or annunciation of the locking system, intercommunications systems, and other miscellaneous security systems as described herein consistent with existing system.
- 1.02 Remove and replace (2) existing Touchscreen control stations (TS-1 and TS-2) at Central Control with (2) new Dual 32" LCD **Super Display®** Touchscreen control stations. Each new Dual **Super Display®** Touchscreen control station will be equipped with (2) 32" LCD monitors, CPU, keyboard, mouse, and Windows® 10 OS. The primary monitor at each workstation will have a split screen, with the left side of the monitor dedicated to security control of field devices and the right side of the monitor dedicated to CCTV camera call-up and video display. The secondary 32" LCD monitor will be dedicated to CCTV camera call-up and video display.
- 1.03 Remove and replace (5) existing Touchscreen control stations with dual 20"/17" monitors at the following existing control locations with (5) new Dual 19"/22" LCD **Super Display®** Touchscreen control stations, one (1) each location:
 - Watch Commander A/B Office (TS-9)
 - SMU Control A-65 (TS-6)
 - Visitation B-51 (TS-7)
 - Watch Commander C Office (TS-10)
 - SMUE-71 (TS-8)

Each new Dual **Super Display®** Touchscreen control station will be equipped with (1) 19" LCD monitor, (1) 22" LCD monitor, CPU, keyboard, mouse, and Windows® 10 OS. The primary 19" monitor at each workstation will have a split screen, with the left side of the monitor dedicated to security control of field devices and the right side of the monitor dedicated to CCTV camera call-up and video display. The secondary 22" LCD monitor will be dedicated to CCTV camera call-up and video display.

- 1.04 Remove and replace (1) existing Touchscreen control station at North Control (TS-5) that currently has three monitors [(1) 20" touchscreen monitor, (1) 17" video monitor, and (1) 32" video monitor] with (1) new LCD **Super Display®** Touchscreen control station with three new monitors [(1) 19" touchscreen monitor, (1) 22" video monitor, and (1) 32" video monitor], equipped with new CPU, keyboard, mouse, and Windows® 10 OS. The primary 19" touchscreen monitor will have a split screen, with the left side of the monitor dedicated to security control of field devices and the right side of the monitor dedicated to CCTV camera call-up and video display. The secondary 22" and 32" monitors will be dedicated to CCTV camera call-up and video display.
- 1.05 Remove and replace existing security server with (1) new rack-mount server computer utilizing Windows® 10 OS and latest Black Creek touchscreen control software.
- 1.06 Remove and replace existing utility/data logger computer with (1) new rack-mount utility computer utilizing Windows® 10 OS.
- 1.07 Remove and replace existing VPN appliance with (1) new VPN appliance for remote diagnostics and troubleshooting via the Internet.
- 1.08 Reuse existing equipment cabinets.
- 1.09 Reuse existing Gigabit Ethernet switches, patch panels, jacks, patch cables, and fiber optic media equipment as part of the complete Locking Network.
- 1.10 Furnish and install (1) new GPS-based time synchronization appliance with antenna for time synchronization across all security system networks.
- 1.11 Reuse existing field devices; control and/or annunciation consistent with that of the existing system will be maintained.

2.0 Intercommunication and Paging System

- 2.01 Reuse existing intercom headend equipment, intercom master stations, paging amplifiers, and field devices. Control and annunciation of intercoms and paging speakers consistent with that of the existing system will be provided; there will be no changes to existing functionality.

3.0 Closed Circuit Television System

- 3.01 Reuse County's existing Vicon CCTV system with Valerus Video Management Software; refer to 8.06.
- 3.02 Provide programming and integration services to upgrade the interface between the touchscreen system and the Valerus VMS as needed to provide the same functionality as that of the existing system (refer to 6.12 for more information). Control and annunciation consistent with that of the existing system will be provided; there will be no changes to existing functionality.

4.0 Card Access System

- 4.01 Reuse existing card access system headend, administrative workstation, and field devices. Control and annunciation consistent with that of the existing system will be provided; there will be no changes to existing functionality.

5.0 Miscellaneous Systems

- 5.01 Control and annunciation for all other systems not specifically named (e.g., duress, vehicle loop detector) will remain consistent with that of the current system.

6.0 County Responsibilities

- 6.01 Installation and testing of any additional cabling and/or conduit that may be required.
- 6.02 Provide high-speed Internet connection with real-world IP address for VPN connection at the facility for remote diagnostics and remote support via the Internet; existing may be reused.
- 6.03 Network configuration to allow connectivity to the video network for viewing of camera video; any additional equipment necessary to accomplish this such as routers, and switches is to be provided by the County.
- 6.04 Modifications/additions to existing millwork/casework or touchscreen mounting brackets if needed.
- 6.05 Provide a secure onsite storage location for County materials, equipment, and tools.
- 6.06 Allow technicians the use of facility's lifts and ladders as needed. A lift is required for any work task covered by this proposal that exceeds working height of an 8' ladder.
- 6.07 Provide office/work space with access to a telephone and Internet for use by Contractor technician.
- 6.08 Dispose of existing hardware removed during the upgrade.
- 6.09 Provide a sufficient number of escorts to installation technicians during the course of the onsite work.
- 6.10 Provide timely review and approval of Contractor Engineering and software submittals, per the project schedule.
- 6.11 Repair/replacement of existing field devices to be reused that are found to be non-operative, misadjusted, misaligned, defective, and/or missing (refer to 7.03).
- 6.12 The following are the mandatory requirements and clarifications to integrate a CCTV system provided by others with a Black Creek detention control system and provide live video stream on touchscreen workstations. All items are to be provided to Contractor at no cost to Contractor.
 - 6.12.1 VRMS must have a documented Application Programming Interface ("API") available to access live video streams from the Third Party System. A software development kit ("SDK") must be provided to Black Creek by the Customer at no cost for this purpose. SDK/API must be compatible with Microsoft Windows® 10 OS.
 - 6.12.2 A fully operational VRMS software package must be provided to Contractor to setup a permanent test bed. At a minimum this must include licensing to support (32) cameras, recording of these cameras, (1) client workstation license, and any additional software/licensing to connect Third Party workstations utilizing the API. If VRMS software is NOT compatible with MS-Windows® 10 OS, additional hardware/software must be provided to Contractor to run VRMS software.

6.12.3 Contractor utilizes Bosch IP cameras to generate video streams to test integration and VRMS software. If the VRMS is NOT compatible with the Bosch IP cameras utilized by Contractor to test integration and software, then compatible IP cameras must be provided to Contractor to facilitate testing.

6.12.4 Any required technical support from VRMS vendor for integration must be made available to Black Creek.

6.12.5 The County must facilitate any licensing/partnerships that may be necessary for Contractor to develop and deploy integrated solution.

7.0 Contractor Responsibilities

7.01 Provide all software, hardware, and ancillary services as described in this Scope of Work as required for a complete, satisfactorily operating system.

7.02 Provide programming, engineering, project management, shop drawings, installation, system commissioning, testing, O&M Manuals, as-built documentation, and County instruction for all sections described in this Scope of Work.

7.03 Perform all onsite hardware testing to ensure proper peripheral device installation. Existing field devices found to be defective shall be brought to the attention of the Customer for replacement or repair.

7.04 Load all software for initial testing and perform all software testing to ensure proper operation of security control system.

7.05 Perform all punch-list corrections as required.

7.06 Provide one-year warranty from date of completion on Contractor-furnished software, hardware, and ancillary services (see 10.0).

7.07 Provide an experienced Project Manager and Installation Manager to oversee the project.

7.08 Provide a detailed project schedule upon receipt of the Notice to Proceed and/or Purchase Order.

8.0 Clarifications

8.01 Proposal anticipates that all existing wire and cable can be reused and that existing wire meets current electrical codes and standards.

8.02 Proposal includes reuse of existing field devices and assumes that all existing equipment is fully operational.

8.03 Non-operative, misadjusted, misaligned, defective, missing, and/or unused devices or conductors/cabling shall be reported to the Customer for resolution.

8.04 Proposal assumes existing power panels, UPS units, circuits, and receptacles are sufficient to support the new system components. Any modification to existing or new power panels, circuits, or receptacles will be provided by the County.

8.05 Proposal is based upon providing a Black Creek **Super Display®** Touchscreen system utilizing Contractor's standard engineering practices.

8.06 Proposal assumes County will upgrade the CCTV VMS from ViconNet to Valerus.

8.07 Proposal assumes that all work will be performed during normal business hours (8:00 am - 5:00 pm, Monday-Friday, Eastern Standard Time).

8.08 Rooftop GPS antenna requires clear view of sky and must be within 65 feet of time server. Location of time server will be coordinated after contract award.

8.09 Proposal does not include Sales Tax. The County is a tax-exempt entity.

9.0 Exclusions

9.01 Fire Alarm System including interface/annunciation.

9.02 Conduit and cabling, including termination.

9.03 Repair or replacement of existing field devices, door locks, or door position switches found to be defective.

9.04 CCTV System; County is responsible for CCTV system. Black Creek will provide interface only for display of camera video on touchscreen workstations.

9.05 Replacement of defective or unusable wire/cables/conductors.

9.06 Modifications to existing or any new millwork or casework, if required.

9.07 Concrete, masonry, or carpentry work, if required.

9.08 New or modifications to existing UPS units, power panels, power circuits, or power receptacles, if required.

9.09 Internet service or connection for VPN access; existing will be reused.

9.10 Disposal of removed equipment

9.11 Prevailing Wages.

9.12 Sales Tax. The County is a tax-exempt entity.

9.13 Retainage.

9.14 Performance and payment bonds (may be provided at 1.5% of contract amount).

9.15 Any equipment or service not previously described in this Scope of Work.

9.16 Warranty on any hardware or equipment not provided by Contractor.

10.0 Warranty

The proposal includes a one-year warranty for new equipment supplied under this proposal only.

10.01 Warranty is limited to repair or replacement of equipment deemed to have failed under conditions of normal use and excludes failures attributable to misuse, vandalism, flooding, or lightning.

10.02 Existing field devices and equipment to be reused or equipment/devices provided by the County are specifically excluded from this warranty.

10.03 Unless contracted with to do otherwise, Contractor will provide telephone and Internet based support only for warranty service issues. County will be responsible for providing onsite assistance with troubleshooting.

11.0 Delivery

Per contract requirements.

Attachment B-1 – Payment Schedule

Turner Guilford Knight Correctional Center

Pricing

Base Scope of Work: Touchscreen Upgrade	\$696,286.00
15% Discount (Level 1 Service Plan) DEDUCT:	(\$104,443.00)
TOTAL: Base Scope of Work	\$591,843.00

Metro West Detention Center

Pricing

Base Scope of Work: Touchscreen Upgrade	\$321,848.00
15% Discount (Level 1 Service Plan) DEDUCT:	(\$48,277.00)
TOTAL: Base Scope of Work	\$273,571.00

Terms of Payment

- 25% on Submittal
- 50% on Shipment of Materials and Software
- 25% on Commissioning