

# INFRASTRUCTURE SALES TAX



## MAIN DETENTION CENTER

South Tower Electronics Renewal & Replacement Project #15218

# PROJECT HISTORY

The South Tower at the Main Detention Center is an 13 story structure constructed in 1993, housing approximately 1200 inmates. These inmates range from having maximum security offenders to low level security offenders. That said, the current electronic systems currently operating in the facility, provide safety for the inmates, PBSO deputies, staff, attorneys and the public.

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

# CONSULTANT SERVICES

In November 2015, Leo A. Daly presented their study of the low voltage systems whereby they recommended repairing and replacing the low voltage systems in the South Tower due to obsolescence and end of life usefulness.

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

# Consultant Design Services

In June 2016, the Board of County Commissioners approved a contract with Leo A. Daly for professional design services. As part of the design team, Leo A. Daly hired TLC Engineering to perform design services for the low voltage systems. Both TLC and Leo A. Daly have previous experience in correction facilities.

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

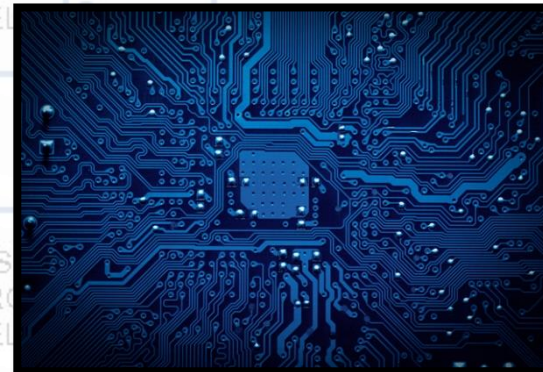
IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
119.071(3)(a)

IMAGE REDACTED PER  
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119.071(3)(a)

# The SYSTEMS

The electronic systems are fully integrated via a PLC (Programmable Logic Controller) which is basically the brains for the systems. The following are the electronic systems being upgraded:

- Detention Controls
- Access Control
- CCTV
- Fire Alarm
- Nurses Call System
- UPS
- Duress



- Door Position Switch
- Door Lock Bolt Position Switch
- Door Lock Keeper Switch
- Door Lock Solenoid
- Door Card Reader Alarm
- Door Card Reader Access Granted
- Door Card Reader Access Denied
- Door Card Reader Access Granted
- Door Card Reader Access Denied
- Door Card Reader Access Granted (up/open)
- Door Card Reader Access Denied (down/close)
- Door Card Reader Access Granted (stop)
- Light (on)
- Elevator Floor Call
- Elevator Door Close
- Elevator Stop
- Loop Detectors

# PROJECT SCOPE

The scope of the project includes adding more new cameras, as well as replacement of existing analog cameras with IP cameras. Additional infrastructure is included for the new cameras. The addition of

- card readers,
- the duress system,
- fire alarm software upgrades,
- a new nurse call system, as well as the
- door control system which includes replacement of the PLC's and the addition of UPS's and associated Panels, cables and switches.

IMAGE REDACTED PER  
FLORIDA STATUTES  
SEC. 119.071(3)(a)

IMAGE REDACTED PER  
FLORIDA STATUTES  
SEC. 119.071(3)(a)

IMAGE REDACTED PER  
FLORIDA STATUTES  
SEC. 119.071(3)(a)

# PROJECT FUNDING

The Project is funded through the Infrastructure Sales Tax (IST) and Ad Valorem Funds.

❑ The combined total of IST and Ad Valorem funding for this project is \$11,321,161.00.

❑ The total IST funds are \$10,300,000.00, which are comprised of  
~FY17 IST funds \$5,600,000.00 and  
~FY18 IST funds of \$4,700,000.00

❑ Ad Valorem funds are \$1,021,161.00



## Project Budget

Grouped by Category and Fund

Main Detention Center Electronics B594		Project # 15218			
Group 3	Description	Original	Amended	Committed	Expended
<b>AE - Design</b>					
0001	General Fund	0	0	0	0
3804	Public Building Impr Fund	621,817	536,507	501,191	225,339
3950	Local Government One-Cent Infrastructure Surtax	560,000	560,000	2,319,996	757,699
<b>Subtotals for AE - Design:</b>		<b>1,181,817</b>	<b>1,096,507</b>	<b>2,821,187</b>	<b>983,038</b>
<b>CO - Construction</b>					
3804	Public Building Impr Fund	268,421	268,421	0	0
3950	Local Government One-Cent Infrastructure Surtax	9,600,000	9,600,000	7,157,471	4,673,029
<b>Subtotals for CO - Construction:</b>		<b>9,868,421</b>	<b>9,868,421</b>	<b>7,157,471</b>	<b>4,673,029</b>
<b>FE - Furniture, Fixtures &amp; Equipment</b>					
3950	Local Government One-Cent Infrastructure Surtax	0	0	0	0
<b>Subtotals for FE - Furniture, Fixtures &amp; Equipment</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>OT - Other</b>					
3804	Public Building Impr Fund	52,740	52,740	0	0
3950	Local Government One-Cent Infrastructure Surtax	3,000	3,000	59,101	59,101
<b>Subtotals for OT - Other:</b>		<b>55,740</b>	<b>55,740</b>	<b>59,101</b>	<b>59,101</b>
<b>ZZ - Contingency</b>					
3804	Public Building Impr Fund	78,183	78,183	0	0
3950	Local Government One-Cent Infrastructure Surtax	137,000	137,000	0	0
<b>Subtotals for ZZ - Contingency:</b>		<b>215,183</b>	<b>215,183</b>	<b>0</b>	<b>0</b>
<b>Grand Totals:</b>		<b>11,321,161</b>	<b>11,235,851</b>	<b>10,037,709</b>	<b>5,715,168</b>

## PLC I/O DATA/CONTROLS

- Door Position Switch
- Door Lock Bolt Position Switch
- Door Lock Keeper Switch
- Door Lock Solenoid
- Door Card Reader Alarm
- Door Card Reader Access Granted
- Door Card Reader Access Denied
- Biometric Scanner Access Granted
- Biometric Scanner Access Denied
- Rollup Door Motor (up/open)
- Rollup Door Motor (down/close)
- Rollup Door Motor (stop)
- Intercom Panic
- Duress Button
- Motion Sensor
- Tamper Switch
- Light (on)
- Light (off)
- Elevator Floor Call
- Elevator Door Close
- Elevator Stop
- Loop Detectors

I/O MODULES

I/O MODULES

JCC SECURITY SERVER

SMS WORKSTATION

SMS GUI

SMS WORKSTATION

SMS GUI

FIRE ALARM PANEL



# Construction Management Services

In April 2016, the Board approved a 5 year construction manager contract with Hedrick Brothers Construction, Inc. to construct, repair and replace systems within detention facilities.



In June 2016, CRC approved Hedrick Brothers Construction Co., Inc. to provide pre-construction services as a construction manager. These services were to provide design reviews and provide estimates during the development of the drawings.

In May 2018, the Board approved Amendment 2 which consisted of the South Tower electronics project. Construction activities have been ongoing with the electronic systems. Approximately 80% of all systems have been completed excluding CCTV. The infrastructure for future new cameras has been completed. The existing cameras and replacement infrastructure has yet to be installed.

# Project schedule update

IMAGE REDACTED PER  
FLORIDA STATUTES SEC.  
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