

CAPITAL IMPROVEMENT PLAN



PROJECT DETAIL

Fiscal Years 2019 through 2023



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? Yes Project/Section Number (for existing projects): _____
 Requested By: _____ Dorcus Young _____ Community Services _____
 Project Name: _____ Name Aging Commission relocation Department/Division _____
 Project Location: _____ 1075 Mullins Station _____

Project Estimated Useful Life (# of years):
 20 years

Project Description:

The Peggy Edminston Building (PEAB) built in 1935 and originally housed the old Shelby County Health Care Center was closed in 2001 and subsequently converted to administrative offices; now houses the Office of the Shelby County Assessor, among other governmental and public officials' offices. During the past 10 years the County has invested over \$2.5 million in redeveloping the PEAB, however most of the projects addressed site and structural improvements, and mechanical systems (i.e. parking lot improvement, roofing and HVAC). This project addresses building improvements within the South east-wing of the complex housing. This wing becomes vacant when the renovations for the Office of the Shelby County Assessor is complete. Additional work includes HVAC ductwork replacement and control upgrades, additional lighting and electrical upgrades. Specifics include: The Aging Commission is presently renting 11,700 square feet in the Lipscomb Pitts building on Union Extended at an annual cost of \$165,000. The aging commission is grant funded. A move to a county owned facility will reduce the rental rate allowing the funds used for rent to be allocated to the programs.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 60,000	\$ 800,000				\$ 860,000
Total Funding	\$ -	\$ -	\$ 60,000	\$ 800,000	\$ -	\$ -	\$ -	\$ 860,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7011 - CIP Building and Improvements				\$ 800,000				800,000
7072 CIP-Architectural & Eng Svcs			\$ 60,000					\$ 60,000
Total Project Cost	\$ -	\$ -	\$ 60,000	\$ 800,000	\$ -	\$ -	\$ -	\$ 860,000

How were these cost estimates determined? Please attach documentation to support estimates.

Shelby County Support Services generated projected cost estimates from basic project scope based on similar renovation cost for the facility.

What would be the impact of doing nothing or deferring this project by one or more years?

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense				\$ (165,000)	\$ (165,000)	\$ (165,000)	(495,000)
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ (165,000)	\$ (165,000)	\$ (165,000)	\$ (495,000)

Financial Impact Comments (Required for "Yes" responses):

The Aging Commission will move into a county owned facility thus eliminating the rental cost that they are presently paying. The aging commission is presently in the Lipscomb Pitts building paying \$165,000 annually.

Other Project Benefits/Justifications Comments (Required for "Yes" responses):



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: _____ Technical Support _____ Information Technology Services _____

Name _____ Department/Division _____

Project Name: Renovations at East Data Center

Project Location: 6470 Haley Rd., Memphis, TN

Project Description:

The County's East Datacenter was constructed in the late 1990's as the disaster recovery site for the County's mainframe computers. The facility was constructed to withstand earthquakes, straight-line winds, and extended power outages. This facility is above the area's flood plains. Over the past decade, the computer room has shrunk, and the facility has transitioned into an active datacenter, with more than half of its floor space repurposed for personnel and support of desktop voice and data equipment. As of November, 2017, the East Datacenter is the primary location for both the County's voice (telephone) system and the County Fire and Sheriff Computer Aided Dispatch (CAD) system, as well as more than 40% of the County's computer systems, and virtually all of the County Assessor's computer systems. The smaller, more resilient, concrete and steel bunker will be constructed adjacent to the existing facility to house the data and voice servers. After the servers have been relocated to the new bunker, the existing facility will receive enhancements to support additional staff and additional self-sufficiency capabilities.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 300,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 3,300,000
Total Funding	\$ -	\$ -	\$ 300,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 3,300,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs			\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
7076 CIP-Construction Contracts			\$ -	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 3,000,000
Total Project Cost	\$ -	\$ -	\$ 300,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 3,300,000

How were these cost estimates determined? Please attach documentation to support estimates.

The engineering, site evaluation and preparations, and architectural design work is estimated to cost \$300K. The construction costs are estimated at \$1.3M for hardened datacenter facility (\$270.00/sq.ft. of 4,000 sq.ft.), plus approximately \$600K for renovation and expansion of restrooms and portable water system at existing datacenter, \$50K for diverse data cable entrance systems, \$50K for parking and driveway expansion, \$350K for backup power systems and redundant electrical switchgear, \$100K diesel fuel storage system, \$90K for datacenter fire suppression system, and \$240K for N+1 datacenter cooling systems.

What would be the impact of doing nothing or deferring this project one or more years?

There is currently a risk of loss of some (or all) computer services in the event of a major regional disaster. For the East Datacenter specifically there would be a complete loss of systems in the impact of extreme straight-line winds or direct strike by tornado. The hardened facility would be constructed to withstand these events.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments (Required for "Yes" responses):

The expanded facility's hardened computer room will house all of the computer and telecomm systems currently installed in the existing data center. Therefore only negligible changes in utility and maintenance expenses are anticipated. The enhanced resiliency of the new facility offers the County the benefit of avoiding the costs associated with having to rebuild computer systems, associated support infrastructure in the event of a high-wind or seismic disaster that damages the existing metal building. Additional benefit will be gained in converting the existing computer room area into a suitable office environment for County business.

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

Since this project directly affects the County's network and server infrastructure it indirectly affects all other projects / goals that rely on data technology. The new hardened facility will offer greater resiliency and security for the County's computer systems that are housed in the East Data Center - this currently includes the County 911 Computer Aided Dispatch system, Corrections Inmate Management System, County Health's Electronic Medical Records and PTBMS systems, one half of the County's split-core phone system, the County's primary Internet connection system, and many other County business applications systems.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____
 Requested By: _____ Tom Needham _____ Support Services
 Department/Division
 Project Name: Employee Parking Garage
 Project Location: Undetermined

Project Description:
 This project is to locate and purchase land and/or a 600 car parking garage where County employees can park safely and within a reasonable vicinity of the Downtown Building Complex.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding				\$ 1,500,000	\$ 15,000,000			16,500,000
Total Funding	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 15,000,000	\$ -	\$ -	\$ 16,500,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7011 - Buildings and Improvements					\$ 15,000,000			\$ 15,000,000
7072 CIP-Architectural & Eng Svcs				\$ 1,500,000				1,500,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 15,000,000	\$ -	\$ -	\$ 16,500,000

How were these cost estimates determined? Please attach documentation to support estimates.
 The sale of an on hundred forty eight (148) space surface lot located at 4th and Union Avenue generated a value of \$1.3m and was purchased by Turkey Creek Investments. A surface lot similar in size and closer to the Downtown Building Complex will have a higher value due to the day time volume of use. An estimate of \$2,000,000 is used to cover any survey, licensure, property purchase and site renovation to prepare for utilization.

What would be the impact of deferring this project by one or more years?
 Shelby County currently has insufficeint parking for the employees which work in the vicinity of the Downtown Complex. Deferral will continue to burden half of a large portion of our workforce with the need to search out and pay for parking on a daily basis.

Financial Impact on Operating Budget:	Current	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense					\$ 14,000	14,000	28,000
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ 14,000	\$ 14,000	\$ 28,000

Financial Impact Comments:
 Impact on the Operating Budget will not be indicated until FY21 for lighting/utility expenses after the purchase and implementation of the property. Future and residual expenses will include maintenance an upkeep of an electronic access control device positioned at the entry/exit of the lot and any utility expenses for lighting as well as upkeep of the surface to include weed control, resurfacing and repainting on an as needed basis. These costs will be minimal, several years out and absorbed into the General Fund. Costs indicated in FY22 are for utility expenses.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): 610177
 Requested By: Wink Downen Sheriff's Office
Name Land/Mobile Radio for City/County Department/Division
 Project Name: County Wide

Project Description:
 The current radio description is co-owned by the City of Memphis (60%) and Shelby County (40%) and the current system reaches end of life for continued support in 2017. The systems is currently house on 9 radio towers providing county-wide coverage for approximately 16,000 local government and public safety radios. The FCC mandates that our system be P-25 compliant and our current system only partially complies and the only reusable infrastructure will be the physical tower sites. All vehicle and hand-held radios will have to be replaced as well as software and other hardware components. This project outlines only our portion of the project expense.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 8,000,000	\$ 7,386,000				15,386,000
Total Funding	\$ -	\$ -	\$ 8,000,000	\$ 7,386,000	\$ -	\$ -	\$ -	\$ 15,386,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7077 -CIP Major Equip/Comp			\$ 8,000,000	\$ 7,386,000				15,386,000
Total Project Cost	\$ -	\$ -	\$ 8,000,000	\$ 7,386,000	\$ -	\$ -	\$ -	\$ 15,386,000

How were these cost estimates determined? Please attach documentation to support estimates.
 Estimates determined based on previous upgrade expenses and a general request for information from various vendors.

What would be the impact of deferring this project by one or more years?
 If this project is put off all government and public safety radios operating under the City of Memphis and Shelby County will cease to have service agreements and will be obsolete. Communications will be greatly impacted and ultimately be non-existent for public safety and government operations.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Financial Impact Comments:
 Other than the project expenses, non should be incurred.

Other Project Benefits/Justifications Comments:
 Project required to comply with FCC P-25 regulations. Project will preserve the ability to communicate between and among government officials and public safety entities.



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Maurice Denbow Sheriff's Office
Name **Department/Division**

Project Name: Sheriff's East Complex Upgrades

Project Location: 993 Dovecrest Road, Memphis TN

Project Estimated Useful Life (# of years):

Project Description:

Project is to create a new parking area to the east of the main entrance of the Training Academy, provide enhancements to existing parking lot and make improvements and repairs to Training Academy Annex building to include expanded parking capacity, new roof and structural repairs and renovations. Project may require cut, fill, drainage, new hard surface, sealing, painting, signage, curb work, roofing, window replacements, erosion control and other work.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go	\$ 620,000					620,000
Total Funding	\$ 620,000	\$ -	\$ -	\$ -	\$ -	\$ 620,000

Comments about Revenue Sources:

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Land Improvements	\$ 420,000					\$ 420,000
7011 Building Improvements	\$ 200,000					200,000
Total Project Cost	\$ 620,000	\$ -	\$ -	\$ -	\$ -	\$ 620,000

How were these cost estimates determined? Please attach documentation to support estimates.

Used cost of parking lot installation at a previous CIP project to estimate cost of a new lot providing approximately 50 new parking spaces and previous local contracted projects to gain estimates for structural repairs.

What would be the impact of doing nothing or deferring this project by one or more years?

The impact of foregoing this project or deferral would be minimal, however we often have training events and ceremonial events where the lots are full and parking is difficult. The Training Annex building is in dire need of repair and parking is currently streetside when a full class is in session.

FINANCIAL IMPACT:

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue						\$ -
b) Changes to Personnel Expense						-
c) Changes to Operating Expense						-
Total Impact on Operating Budget	\$ -					

Financial Impact Comments (Required for "Yes" responses):

Other Project Benefits/Justifications:

Project will allow for additional parking during large scale events and allow for facility instructor and guest parking immediately adjacent to the facility and provide a safe structure for office and classroom environment. This project will employ local and minority vendors stimulating the local economy.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ?	<u>No</u>	Project/Section Number (for existing projects):	<u>630178</u>
Requested By:	<u>Cliff Norville</u>	Name	<u>Support Services</u>
Project Name:	<u>CJC - Interior Renovation</u>		Department/Division
Project Location:	<u>201 Poplar</u>		

Project Description:

The Criminal Justice Center (CJC) was constructed in the late 1970s and opened for business in 1980. While there have been some renovations to the courtrooms within the past 10 years, the office space has been unmodified and is suffering from the wear and tear associated with over 30 years of significant use. Building codes for high rise buildings have changed since the 1970s, leaving the Criminal Justice Center non-compliant in many areas. This renovation will be implemented as a multi-year project which involves a complete renovation of all floors. Renovations include, but are not limited to; asbestos abatement, ADA upgrades, current high-rise building code compliance, electrical improvements, and office space efficiency modifications.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding		\$ -		\$ 1,500,000		\$ 5,000,000	\$ 5,000,000	\$ 11,500,000
Total Funding	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 11,500,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7076 CIP-Construction Contracts		\$ -		\$ 1,500,000		\$ 5,000,000	\$ 5,000,000	\$ 11,500,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 11,500,000

How were these cost estimates determined? Please attach documentation to support estimates.

Budget request based on extrapolations of project costs from similar construction currently underway in the Administration Building.

What would be the impact of deferring this project by one or more years?

Interior finishes in the CJC will continue to deteriorate. ADA and other building code non-compliance exposes the County to risk of legal action.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments:

A) No revenue generated. B) No impact on staffing/personnel expense. C) No impact on operational expenses.

Other Project Benefits/Justifications Comments:

The space modifications will provide increased space efficiency which will provide a better personnel adjacency improving productivity of operations. Local contractors are experienced in this type of renovation and may be used to complete a portion of the work. Renovation of space will enhance the appearance and functionality of the CJC. Code compliance will reduce risk of occupants and customers. This project relates to the Mayor's goal of maximizing efficiency in SCG.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: _____ Tom Needham _____ Support Services
Name Department/Division

Project Name: Juvenile Court Renovations

Project Location: 616/600 Adams Avenue

Project Description:

Juvenile Court is requesting the installation of a gymnasium with classrooms and office space for the Juvenile Court Detention Center. The proposed location is 600 Adams Avenue, the current location of the Public Defenders assigned to Juvenile Defense. The Court's current recreation area is an outdoor rooftop gymnasium available for use only 6 months out of the year weather permitting. The proposed modular building would greatly improve the detention recreation program, as well as provide a larger area for HOPE Academy, the detention school operated by Shelby County Schools that provide a regular 6-hour curriculum for detainees.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 220,000	\$ 3,000,000	\$ -	\$ 2,500,000	\$ 25,000,000	30,500,000
Total Funding	\$ -	\$ -	\$ 220,000	\$ 3,000,000	\$ -	\$ 2,500,000	\$ 25,000,000	\$ 30,720,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs			\$ 220,000			\$ 2,500,000		\$ 2,720,000
7076 CIP-Construction Contracts				\$ 3,000,000			\$ 25,000,000	28,000,000
Total Project Cost	\$ -	\$ -	\$ 220,000	\$ 3,000,000	\$ -	\$ 2,500,000	\$ 25,000,000	\$ 30,720,000

How were these cost estimates determined? Please attach documentation to support estimates.

Cost estimates are based in research by former Detention Administrator, Rick Powell, on availability of products and plans for a prefabricated multipurpose secure building. MEDFAC Engineering provided cost estimates for site preparation and installation. Estimates for furnishings and equipment for offices, school, day area and gymnasium were provided by Rick Powell.

What would be the impact of deferring this project by one or more years?

(1) Current rooftop gymnasium can only be used approximately 6 months each year. It does not allow the Court to offer an effective year-round fitness program, which negatively impacts accreditation. (2) The space allocated for detainee education is too small for the current daily population, which averages 60 and growing. Limited space creates unnecessary risk to detainees and staff.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense					\$ 25,000	\$ 25,000	50,000
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 50,000

Financial Impact Comments:

Additional expenses for utilities, building and grounds maintenance, equipment maintenance, pest control, custodial & cleaning supplies, office supplies, educational supplies and parts purchases are estimated at \$25,000 annually. Other administrative expenses are minimal.

Other Project Benefits/Justifications Comments:

(1) and (2) The proposed gymnasium will allow for consistency and effectiveness in the delivery of a fitness program as required by American Correctional Association. (3) Physical exercise is a vital component of maintaining good health and mental well-being for our youth. (4) We aim to have local vendor/LOSB participation in the project. (5) The project enhances County infrastructure. (6) & (7) Positive environmental impact include our ability to provide a better environment conducive to learning and physical exercise, which enhances quality of life for detained youth.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? Yes Project/Section Number (for existing projects): _____

Requested By: Cliff Norville Support Services

Project Name: Courthouse Restoration/Records Renovation Department/Division

Project Location: 140 Adams

Project Estimated Useful Life (# of years):
10 Years

Project Description:
The last restoration of the Shelby County Courthouse was completed in 1992. Since that time, water infiltration has caused damage to plaster walls and finishes. The floor coverings in several areas are showing signs of deterioration from continuous usage. Paneling and other wooden finishes need to be restored from general wear and tear. Brass hardware needs to be repaired, replaced, and/or cleaned. Energy conservation measures need to be examined and implemented, where appropriate. ADA compliance measures need to be implemented. Currently, there are four (4) separate records rooms, neither of which are contiguous to each other. The current design requires us to exhaust many man-hours in document filing, file storage and file retrieval. In addition to providing greater file storage capacity in response to increasing demand, this project is designed to provide a centralized records room which will enhance security for court files and reduce man-hours in document filing, file storage and file retrieval.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding					\$ 600,000			\$ 600,000
Total Funding	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ -	\$ 600,000

Comments about Revenue Sources:
Revenue source will be secured through funding sources and/or alternate source identified by Shelby County Finance applicable to the project.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7075 CIP-Demolition & Site Prep					\$ 75,000			75,000
7076 CIP-Construction Contracts					\$ 225,000			225,000
7077 CIP-Major Equip/Components					\$ 171,273			\$ 171,273
7081 CIP-Supplies and Materials					\$ 128,727			128,727
Total Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ -	\$ 600,000

How were these cost estimates determined? Please attach documentation to support estimates.
The cost estimates were determined based on consulting with Shelby County Support Services and Public Works Division and obtain an outside quote on the proposed plan project. The projected cost estimate is based on similar restoration projects conducted during the past few years. The Courthouse contains approximately 225,000 square feet. A unit cost of \$10 per square foot for construction is used for estimating purposes. The design fee is based on 10% of the construction cost.

What would be the impact of doing nothing or deferring this project by one or more years?
Deferring this project would hinder the business from being effective and efficient in meeting the needs of the judges and other stakeholders.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Other Project Benefits/Justifications Comments (Required for "Yes" responses):
This renovation project reduces the risks associated with potential OJI claims associated with staff traveling between multiple locations to obtain files/records. Also, it would make the office more effective and efficient in serving the internal needs of the Judges and the external needs of the community and other stakeholders. Compliance to ADA legislation is a Federal government requirement. Local contractors are experienced in this type of work and should be eligible to bid. Eliminating water infiltration into the building will preserve the infrastructure, by reducing damage to interior finishes and furnishings. This project relates to the Mayor's goal of meeting the service expectations of customers.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ?

No

Project/Section Number (for existing projects):

Requested By:

Health Department
Name

Health
Department/Division

Project Name:

SCHD Raleigh/Frayser Community Wellness Center

Project Location:

Former Raleigh Springs Mall (3384 Austin Peay Hwy, Memphis, TN 38128)

Project Description:

SCHD proposes to build a Community Wellness Center (CWC) for the Raleigh/Frayser area at the site of the former Raleigh Springs Mall, in connection with a proposed plan by the City of Memphis to turn the mall into a "civic plaza" that combines government buildings and retail. Proposed services to be available at the CWC include: 1.) Clinical Services - Infectious disease, dental, TennderCare, WIC, family planning, immunizations, well-child exams 2.) Behavioral Health 3.) Teaching/Education facility 4.) Partnership Corner (area for other agencies to co-partner) 5.) Outreach programs 6.) Environmental Services 7.) E-Health/Business Center (WIC, Environmental, Vital Records, and other County services) 8.) Services for the Aging (Senior) population 9.) Laboratory testing 10.) Food Commodities Warehouse.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding					\$ 158,500	\$ 3,000,000		3,158,500
Total Funding	\$ -	\$ -	\$ -	\$ -	\$ 158,500	\$ 3,000,000	\$ -	\$ 3,158,500

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 -CIP Architect & Engineer					\$ 158,500			\$ 158,500
7011 Buildings & Improvements						\$ 2,500,000		2,500,000
7003 Electronic & Computer Equipment						\$ 250,000		250,000
7009 Other Equipment (for Warehouse)						\$ 250,000		250,000
Total Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 158,500	\$ 3,000,000	\$ -	\$ 3,158,500

How were these cost estimates determined? Please attach documentation to support estimates.

The CWC construction cost of \$184/sq. ft. is based on the square foot cost of Christ Community Health Clinic.

What would be the impact of deferring this project by one or more years?

Residents and patients, especially those located in the Frayser/Raleigh area, would not receive much needed health care and counseling engagement which helps families as a whole, even those who may no longer participate in public health clinic programs.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments:

No additional revenue or personnel expense will be incurred by the County, as the programs that are currently identified to operate from the proposed facility are currently funded (mostly via grant). The changes to the operating expense is as of yet not fully determined.

Other Project Benefits/Justifications Comments:

Operating efficiency, productivity improvements, and enhancements to public health will all be achieved by creating a comprehensive public health presence in an area that currently doesn't have one. By working with the City of Memphis in its civic plaza concept, we would be participating in a project whose ambition is to stimulate economic development in the Raleigh area. The project enhances the infrastructure of Shelby County by making more public health programs available to a segment of the community that significantly uses them. In time, the hope would be that other County services/agencies would join SCHD in its presence at this location. The positive environmental impact potentially comes from reducing the carbon footprint of the 814 Jefferson with the re-location of certain (not all) services to the CWC. All of the above serves to enhance the quality of life of Shelby County residents, and supports the strategic goals of Shelby County.



Shelby County Capital Improvement Plan Project Request Form for FY2019-2023

Is this a New Project ?

Yes

Project/Section Number (for existing projects):

Requested By:

Johnathan Russell

Administration/Corrections

Name

Department/Division

Project Name:

Roof Replacement - Main Bldg and W Bldg

Project Location:

1045 Mullins Station Rd.

Project Estimated Useful Life (# of years):

25

Project Description:

The roof for both the W bldg (Women's inmate building) and the Main Building (Inmate housing, Inmate and Officer's dining rooms, kitchen, processing/intake, gym, Administration) have roofs that Tennessee Corrections Institute (TCI) has essentially mandated must be fixed, per the last 3 years TCI audits. In particular, they are insisting on substantive progress on this issue by their next meeting, which, though unannounced, is anticipated to be in the summer of 2018. We are currently patching 15 and 14 block with a rubber compound, to see if it works. If so, we are proposing to use Ethylene Propylene Diene Terpolymer (EPDM) roofing membrane to fix the roofs (see www.epdmroofs.org/what-is-epdm/epdm-in-the-field for an example). We have a ballpark quote of approx. \$2.0 million for the total job, which is approx. \$300,000 less than the last bid we received for a cold application asphalt and tar roof.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
State Funding			1,600,000					\$ 1,600,000
County Funding			\$ 400,000					\$ 400,000
Total Funding	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Comments about Revenue Sources:

Assumes TDOC Felon population allows for 80% of enterprise fund's revenues to be collected from the State.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7011 Buildings & Improvements			\$ 2,000,000					\$ 2,000,000
Total Project Cost	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

What would be the impact of doing nothing or deferring this project by one or more years?

TCI made it clear that further non-compliance re: roof repair will not be favorable viewed. Furthermore, we have 15 block closed because of leaking. Even at \$39/inmate day from TDOC, based on housing 48 inmates, we are losing gross revenue of \$683,280 per year. There are numerous jails throughout the State that are requesting a transfer of inmates to Corrections to relieve their overcrowding. We can get this when we want, we just have to fix the leaking.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue		\$ 683,280	\$ 683,280	\$ 683,280	\$ 683,280	\$ 683,280	\$ 3,416,400
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -	\$ 683,280	\$ 3,416,400				

Financial Impact Comments (Required for "Yes" responses):

Even at \$39/inmate day from TDOC, based on housing 48 inmates, we are losing gross revenue of \$683,280 per year. There are numerous jails throughout the State that are requesting a transfer of inmates to Corrections to relieve their overcrowding. We can get this when we want, we just have to fix the leaking.

Other Project Benefits/Justifications Comments:

1) It is hard to quantify at this point, but, depending on the type of product used (white coating versus black), a decrease in energy used to cool the building (because of the sun-reflecting qualities of the white compound) can be expected, though I don't have calculations re: how much 2) See comments above re: TCI 4) This project will provide some local (hopefully) roofing company with a million dollar job 8) This project will help to maximize revenues for the necessary operation of Corrections



Shelby County Capital Improvement Plan

New Project Request Form for FY2019-2023

Requested By:

Tom Needham

Division of Corrections

Name

Department/Division

Project Name:

Correction Center Kitchen and Dining Facility

Project Location:

Shelby County Correction Center

Project Estimated Useful Life (# of years):

50 Years

Project Description:

The existing kitchen and dining facility at the Shelby County Correction Center was recently inspected for compliance with TCI standards. The comments from the report included the following. "The 2017 inspection report noted several comments concerning the physical plant area of the kitchen. There is a new food service provider that provided a positive impact, however, the kitchen physical plant has not changed significantly from previous inspections. The aging facility presents challenges while continuing to deteriorate. Walls, doors, freezers, and general overall condition of the jail food service area appear to have far outlived its intended use. Expectations that maintenance can continually address and support issues that occur on a daily basis are not reasonable nor do they support good correctional practices. Officials should consider a new kitchen or remodeling the present Kitchen in order to meet all applicable standards in the future. The new kitchen will be approximately 8,800 square feet which will provide food for transport to several housing pods and serve meals in the new 14,500 dining facility. The building will also have a dry storage warehouse and refrigerated storage occupying approximately 12,500 square feet with 3,000 square feet of office and support space.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go	\$ 600,000	\$ 10,000,000				10,600,000
Total Funding	\$ 600,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ 10,600,000

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7011 Buildings & Improvements		\$ 9,500,000				9,500,000
7072 CIP-Architectural & Eng Svcs	\$ 600,000					\$ 600,000
7075 CIP-Demolition & Site Preparation		\$ 500,000				500,000
Total Project Cost	\$ 600,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ 10,600,000

How were these cost estimates determined? Please attach documentation to support estimates.

Estimates based on masterplan prepared by AE with prices escalated to today's prices.

What would be the impact of doing nothing or deferring this project by one or more years?

The correction center could lose the TCA accreditation which will affect the ability to house State inmates, which is the major source of revenue to support the operations at the correction center. Comment from TCI stated "Officials should consider a new kitchen or remodeling the present Kitchen in order to meet all applicable standards in the future. Failure to address the food service physical plant issues could place future facility certification in jeopardy.

Financial Impact Comments:

The new facility will have energy efficient equipment which will reduce the utility cost for the kitchen facility. The new equipment will reduce the overall maintenance expense of the HVAC equipment, cooking equipment and general repairs that are presently required for the existing building.

Other Project Benefits/Justifications Comments:

The project will have new energy efficient equipment which will reduce overall operating cost. The project will provide a safer environment for the staff, vendors and inmates to work. The project provides a more efficient warehousing and refrigerated storage area which improves the health and safety of those working in that environment. The overall project meets the basic strategic objectives of providing a more efficient and effective work place for the Shelby County employees.



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Maurice Denbow Sheriff's Office
Name **Department/Division**

Project Name: Tactical Training Facility

Project Location: East Campus, Gardener Road

Project Estimated Useful Life (# of years):

Project Description:
 Project provides a 6,000 sq. ft. structure that provides a multi-use training platform for tactical scenarios first responders are subjected to routinely. The structure will be a concrete slab with a metal, canopy style roof, mix of concrete and modular walls and a safety coordinator/instructor platform.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go					\$ 825,000	825,000
Total Funding	\$ -	\$ -	\$ -	\$ -	\$ 825,000	\$ 825,000

Comments about Revenue Sources:

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7011 Buildings & Improvements					\$ 825,000	825,000
Total Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 825,000	\$ 825,000

How were these cost estimates determined? Please attach documentation to support estimates.
 Bid was released and returned from vendor, added 3%/year for increase in construction costs through the CIP forecast then a 10% contingent.

What would be the impact of doing nothing or deferring this project by one or more years?
 This project will be used as a tactical training environment for law enforcement and first responders. Deferral or removal negates the positive impact of the enhanced training.



Shelby County Capital Improvement Plan Project Request Form for FY2019-2023

Is this a New Project ?	Yes	Project/Section Number (for existing projects):	307386
Requested By:	Cliff Norville	Name	814 Jefferson Renovation
Project Name:		Department/Division	Support Services
Project Location:	Health Department Administration Building at 814 Jefferson		

Project Estimated Useful Life (# of years):
50 Years

Project Description:

The Shelby County Health Department facility is located at 814 Jefferson. The facility is comprised of three buildings: the original two-story building constructed in the 1950s, the six-story addition constructed in 1971, and the auditorium also constructed in 1971. Due to the age of the buildings, major expenditures are necessary to correct and/or repair building deficiencies, infrastructure problems and code compliance issues. Corrective action is required to address the following issues, as a minimum: brick façade repairs, asbestos abatement, roof replacement, HVAC replacement, electrical system grounding, ADA Title 2 compliance, and interior refurbishment. Preliminary cost estimates total several million dollars. In FY2013, Allen & Hoshall was selected to conduct a comprehensive analysis of Health Department facility needs and determine the feasibility of significant investment in the current facility or alternative locations. Pending the recommendations of the consultants Master Plan, funds are requested for FY2016 to either renovate existing buildings or invest in alternate locations.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 25,000,000		\$ 3,000,000			\$ 28,000,000
Total Funding	\$ -	\$ -	\$ 25,000,000	\$ -	\$ 3,000,000	\$ -	\$ -	\$ 28,000,000

Comments about Revenue Sources:

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7076 CIP-Construction Contracts			\$ 25,000,000		\$ 3,000,000			28,000,000
Total Project Cost	\$ -	\$ -	\$ 25,000,000	\$ -	\$ 3,000,000	\$ -	\$ -	\$ 28,000,000

How were these cost estimates determined? Please attach documentation to support estimates.

Budget request was developed from consultant engineering assessments, as experienced in previous renovation projects within SCG.

What would be the impact of doing nothing or deferring this project by one or more years?

Building deterioration has escalated to potential hazards to public safety. Roof leaks in December caused a significant portion of the Lobby ceiling to collapse, exposing employees and the general public to friable asbestos. Water leaks from HVAC valves located above ceiling frequently require isolated asbestos abatement. In 2009, emergency steps were required to stabilize the brick facade above the building entrance, because the brick support system had failed. Each year of delay exposes SCG to a higher risk of litigation resulting from personal injury.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Other Project Benefits/Justifications Comments:

3) The Health Department serves a large percentage of Memphis residents. Improving the existing facility or moving to a newer facility will reduce the threat of personal injury, when citizens are being served by the Health Department. 4) Local consultants are experienced in this type of assessment and should be eligible to bid. 5) If the assessment recommends that SCG invest in improvements to the current location, then, yes, this will be a preservation project. 6) Preservation of the existing facility will require asbestos abatement, which involves environmental issues. 8) This project relates to the Mayor's goal of meeting the service expectations of customers.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: _____
Application Services Information Technology Services
Name Department/Division

Project Name: ERP Replacement

Project Location: Information Technology Services Data Centers

Project Description:

This project will be to replace the current ERP system. The vendor has announced "end-of-life" for the ERP product that the County currently uses. A formal RFP will be developed to consider all options to insure that the new system will be able to integrate with other systems, the Information Hub and that the software can truly be used to serve as the fundamental base for all fiscal business of the County.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding				\$ 5,000,000	\$ 5,000,000			\$ 10,000,000
Total Funding	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ 10,000,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Electronic & Computer Equip.				\$ 5,000,000	\$ 5,000,000			\$ 10,000,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ 10,000,000

How were these cost estimates determined? Please attach documentation to support estimates.

This estimate is based on the fee for our last major upgrade using the "Software for Life" option.

What would be the impact of doing nothing or deferring this project one or more years?

The current software may not be covered by Maintenance or there may be significantly higher cost for extended maintenance. The company is currently supporting the application, but it has announced there will not be any new enhancements to this product.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense				\$ 1,000,000			1,000,000
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000

Financial Impact Comments (Required for "Yes" responses):

Software licensing and maintenance costs are usually twenty percent of purchase price of software, and sometimes calculated based on number of users.

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

The software application should become easier to use and will make use of the latest software technology. This project supports the strategic goals of Shelby County by making it possible for the finance department to wisely manage SCG finances. It will also allow them to keep producing award winning reports. The citizens will benefit from continuing to have reports available to them that show the financial state of SCG.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ?

No Project/Section Number (for existing projects): _____

Requested By:

Edward L. Stanton and Richard DeSaussure

General Sessions Criminal Divisions
and Criminal Court

Name

Department/Division

Project Name:

iCJIS - Electronic Filing-System Enhancements

Project Location:

201 Poplar - General Sessions Criminal Division and Criminal Court

Project Description:

Under the Integrated Criminal Justice Information System (ICJIS) project, the E-filing application is a modern programming tool, which will ensure the efficiency and effectiveness of the Criminal Justice systems. General Sessions Court-Criminal Division and Criminal Court Clerk Offices are submitting this CIP request to ensure fund availability for the purchase and deployment of the E-filing project as an approved CIP project and as part of the ICJIS computer system project for FY20.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding				\$ 350,000				\$ 350,000
Total Funding	\$ -	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Electronic & Computer Equip.				\$ 350,000				\$ 350,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense				\$ 70,000	\$ 70,000	\$ 70,000	210,000
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ 70,000	\$ 70,000	\$ 70,000	\$ 210,000

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

The E-filing application would maximize the case management system operations, to ensure efficiency and productivity for internal and external stakeholders. The Technology Report issued to Shelby County reported, "members of State Bar's throughout the country are supporting the concept of filing and retrieving documents and data without burden and costs associated physically going to the courthouse or paying a messenger." Therefore, E-filing will improve service to the public. With the new case management system, a complete paperless process using e-filing application would eliminate physical storage needs of paper forms, reports, and increase employee productivity to meet other needs of the courts. In addition, General Sessions and Criminal Court will set the standards for criminal e-filing for courts through-out the State of Tennessee.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ? No Project/Section Number (for existing projects): 800972

Requested By: Robert Meyers, Chairman Election Commission
 Name Department/Division

Project Name: Voting Machines

Project Location: 157 Poplar and 980 Nixon Drive

Project Description:

Replacement of voting machines, tabulation software, servers and electronic pollbooks. Current equipment is nearing end of life and must be replaced by certified equipment. Although Tennessee currently does not require a Voter Verifiable Paper Trail (VVPT), it is anticipated that this will be required by the time of purchase. Equipment with a VVPT comes in two general formats - digital scan of pre-printed paper ballots or a ballot marking system that produces a paper trail. Digital scan has a lower upfront purchase price but has considerably higher operating costs. Ballot marking systems have lower rates of voter error and lower operating costs although they have a higher initial purchase price.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
State Funding			\$2,000,000	\$ -	\$ -	\$ -	\$ -	2,000,000
County Funding			\$ -	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	10,000,000
Total Funding	\$ -	\$ -	\$ 2,000,000	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ 12,000,000

Comments about Revenue Sources:

The RFP will be developed in accordance with ITS project development guidelines and then submitted to the state. Additional units and stations as determined by allocation needs will require additional funds and cannot be estimated until a system is selected. **If this project is not funded by the state, the project must be funded through the county.**

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Electronic & Computer Equip.			\$2,000,000	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ 12,000,000
Total Project Cost	\$ -	\$ -	\$ 2,000,000	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ 12,000,000

How were these cost estimates determined? Please attach documentation to support estimates.

Given the size and complexity of Shelby County elections, only one system currently certified would meet our requirements. Cost estimates were solicited from that vendor and then an inflation factor was applied. There are currently a number of systems in the certification pipeline that will be certified by the time of purchase. The estimated costs were compared with the products of other vendors who expect that their equipment will be certified by the time of purchase; all are comparable.

What would be the impact of doing nothing or deferring this project one or more years?

Doing nothing or deferring the project is really not an option as the current voting machines are at end of life. The timing of the project is critical since the election cycle is fixed by statute. Purchasing the equipment in FY 21 and FY 22 allows us to obtain machines for staff education and voter education. All equipment would be in place for the May, 2022 primary elections.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments (Required for "Yes" responses):

It is impossible to estimate the impact on the operating budget until a system is selected. Some systems would allow for fewer pollworkers; some require more. Some systems have a low upfront purchase price but would substantially increase operating costs for personnel, printing. Any system purchased will require storage of VVPT or ballots which would increase needs for storage.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: _____ Technical Support _____ Information Technology Services _____

Name _____ Department/Division _____

Project Name: Core Infrastructure Refresh

Project Location: Information Technology Services Datacenters & Core Network Sites

Project Description:
Upgrade/replace current core server and network hardware and software. Current core infrastructure systems that will have been in service 10 years will be at or nearing end of life, and will need to be replaced. This project will also address expected expansion of infrastructure to support evolving initiatives.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding				\$ 2,000,000				\$ 2,000,000
Total Funding	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Electronic & Computer Equip.				\$ 2,000,000				\$ 2,000,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000

How were these cost estimates determined? Please attach documentation to support estimates.
Current costs of equipment and software plus anticipation of additional service requirements due to growth, consolidation of County IT departments and evolving regulations. Equipment: Approx. 20 servers \$220K, 2 SANs upgrade/replace \$120K, Disk backup solution upgrade/replace \$100K, Firewalls & network edge systems \$60K, Core network routers \$1.2M. Software: Approx. 100 CPU licenses of Microsoft Server OS \$150K, Approx. 5,000 Microsoft user/device CALs \$90K, Approx. 10 Microsoft SQL CPU licenses \$45K, Updated logging & reporting security software \$15K.

What would be the impact of doing nothing or deferring this project one or more years?
Risk of being unable to provide services or comply with regulations due to hardware failure or software functionality. More than one year of delay may result in the County being unable to support current technology software packages.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense				(50,000)	(50,000)	(50,000)	(150,000)
Total Changes to Operating Budget	\$ -	\$ -	\$ -	\$ (50,000)	\$ (50,000)	\$ (50,000)	\$ (150,000)

Financial Impact Comments (Required for "Yes" responses):
Yearly hardware and software maintenance costs escalate as equipment / software ages and approaches end of life. Operating end of life equipment / software exposes the County to additional financial risk from potential HIPAA and PCI fines. The updating / replacement of aging hardware will reduce yearly maintenance costs for the first one to three years following the purchase due to warranties and initial maintenance included with purchase. Advances in hardware (more efficient technologies) reduce energy costs by lower power consumption and lower heat production, and by increasing the per unit capacities for communications, processing & storage.

Other Benefits/Justifications (Required for "Yes" responses):
New features / efficiencies are usually realized with updated software and hardware. Since this project directly affects the County's network & server infrastructure it indirectly affects all other projects / goals that rely on data technology. This project has direct impact on fulfilling regulatory and compliance requirements such as Payment Card Industry - Data Security Standard (PCI-DSS) and Health Insurance Portability and Accountability Act (HIPAA).



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: John Halbert All Courts

Name Courtrooms Technology Update **Department/Division** _____

Project Name: _____

Project Location: All Courtrooms

Project Description:

Shelby County Support Services will soon begin refurbishing many of the Courtrooms however the funds requested did not include upgrading the technology within those courtrooms. This project will attempt to follow Support Services in making the appropriate technology upgrades as the courtroom are refurbished. While this project's goal is to upgrade all courtrooms it is recognized that the State must be willing to help share costs where appropriate as well as other funding sources should be used as well.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding				\$ 750,000				\$ 750,000
Total Funding	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ 750,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7077 CIP - Major Equipment/Component				\$ 750,000				\$ 750,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ 750,000

How were these cost estimates determined? Please attach documentation to support estimates.

Estimates are roughly based on the current estimates used in the new Environmental Court multiplied by the total number of courtrooms. (Roughly \$20,000 per courtroom)

What would be the impact of doing nothing or deferring this project one or more years?

Project should follow Support Services plan. If not additional funds may be needed for additional electrical and cabling.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							
c) Changes to Operating Expense							
Total Changes to Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Other Benefits/Justifications (Required for "Yes" responses):

Courtroom will be more efficient using technology for courtroom presentations. May provide the public better use of the court system and access to a fair trial. This project enhances the current infrastructure. This project could reduce the amount of paper required in courtrooms. Having more efficient courtrooms will have a positive impact on the quality of life of Shelby County Citizens. This project supports a more efficient cost effective government.



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Wink Downen Sheriff's Office
Name **Department/Division**

Project Name: Jail Security Camera Upgrade

Project Location: Shelby County Sheriff's Jail Facility

Project Estimated Useful Life (# of years):

10 Years

Project Description:

The jail security camera system is reaching it's end of life and requires upgrade of hardware and software components.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding					\$ 2,788,500	2,788,500
Total Funding	\$ -	\$ -	\$ -	\$ -	\$ 2,788,500	\$ 2,788,500

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Computer and Electronic Equipment					\$ 2,788,500	\$ 2,788,500
Total Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 2,788,500	\$ 2,788,500

How were these cost estimates determined? Please attach documentation to support estimates.

Estimates were received for per unit costs and applied toward the total units needed for full replacement.

What would be the impact of doing nothing or deferring this project by one or more years?

Equipment is at or reaching end of life and failing. Camera systems within our detention areas has increased conviction rates and decreased violent crime, sexual offenses, employee misconduct and provides a better sense of security overall. Not having this system would put all of this in jeopardy.

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue						\$ -
b) Changes to Personnel Expense						-
c) Changes to Operating Expense						-
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Other Project Benefits/Justifications Comments:

This project enhances public safety because it provides continuation of security protocols and enhanced safety for detainees and staff. Because vendors will provide and install this hardware, this project stimulates the economy and supports the business community.



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Shawn McClure ITS/Mayor's Administration
Name **Department/Division**

Project Name: Data Governance: Governance Risk and Compliance System (GRC)

Project Location: All County computer system users.

Project Estimated Useful Life (# of years):

Project Description:

The purpose of this CIP project is to provide resources for the purchase and implementation of the Governance Risk and Compliance system to address issues identified in the FY15 HIPAA and HITECH Act risk assessment, covering Health Services, Corrections, the Aging Commission, and Information Technology Services. These issues include the identification of the following insufficiencies in relation to the Health Insurance Portability and Accountability Act;

- 1) Phase I - A lack of sufficient data identification, categorization, and access management ensuring that Authorization, Clearance, and Termination processes are completed in an accurate and timely manner and that regular reviews of system access are accomplished as required under the Health Insurance Portability and Accountability Act (HIPAA) requirement §164.308(a)(3)(ii) and the Payment Card Industry Data Security Standard requirement 7.
- 2) Phase II - A lack of sufficient centralized Risk Management systems and processes in County Government as required under HIPAA §164.308(a)(1)(ii)(a) and Payment Card Industry Data Security Standard requirement 12.2.

Phase I – GRC Access Management System

This will include data identification and categorization which will permit the County to know, understand, and inventory the data in use by County departments and systems enabling improved access management and auditing through the provision of a central point of reference and assurance of access removal for off-boarding of all County staff and vendors.

The specific requirements identified in the 2015 risk assessment for Phase I include;

- 1) SCG must have an agreed upon process for off-boarding of staff and contractors.
- 2) A complete list of system access must be identified at the time of departure from Shelby County.
- 3) Externally hosted system accesses must be removed in a timely manner.
- 4) Existing System access should be reviewed at least quarterly by the employee's department to ensure recently terminated staff/contractors have had their access removed and proper access levels are correct.

Phase II – GRC Risk and Compliance Management System

This will include documentation, support, and centralized Risk-Assessment and management processes to support County Security Management and compliance activities. The ideal solution will permit completion of accurate, timely and thorough Risk Assessments identifying the potential risks and vulnerabilities to the confidentiality, integrity, and availability of sensitive data (SD) (Card Holder Data, Protected Health Information, and Personally Identifiable Information) held in County systems by providing support for components of an Integrated Risk Management (IRM) system to include; Digital Risk Management (DRM), Vendor Risk Management (VRM), Business Continuity Management (BCM), Audit Management (AM), Corporate Compliance & Oversight (CCO). To address the potential delays, ITS plans to engage a project manager for a 16 week engagement for each phase (32 weeks total) to provide project management services. This support will cost approximately \$80,000.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go	\$ 300,000	\$ 300,000				600,000
Total Funding	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ 600,000

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Electronic & Computer Equip.	\$ 260,000	\$ 260,000				\$ 520,000
7079 CIP-Other Project Costs	\$ 40,000	\$ 40,000				80,000
Total Project Cost	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ 600,000

How were these cost estimates determined? Please attach documentation to support estimates.

The data preparation, training, hardware and software costs are estimated to be approximately \$260,000 per phase (\$520,000 combined) with approximately \$40,000 per phase in project management support (\$80,000 combined) resulting in a total cost of (\$600,000).

These estimates were determined by ITS personnel referring to existing solution offerings available from; Varonis, Oracle, Informatica, SailPoint, Oracle, CA Technologies, and IBM.

Further research will be required

to determine the best method to accomplish this goal. Estimated cost for future years will be affected by ongoing efforts to identify the use of these data type throughout SCG.

What would be the impact of doing nothing or deferring this project by one or more years?

Deferring this project will result in continued, and increasing, risk of breach to PHI data, CHD, and other data held by SCG through the continued access to sensitive . Due to the specific identification of this risk in the annual risk assessment, any breaches occurring due to this vulnerability are more likely to receive fines from Housing and Human Services and to receive higher fines per incident. Breach expenses currently run approximately \$240 per record. Shelby County Government has in excess of 100,000 patient records on various systems throughout the County. Implementation of this system will permit for more efficient off-boarding and regular review of system access capabilities resulting in improved user management of access reducing inappropriate access to data.

FINANCIAL IMPACT:

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue						\$ -
b) Changes to Personnel Expense						-
c) Changes to Operating Expense			\$ 60,000	\$ 60,000	\$ 60,000	180,000
Total Impact on Operating Budget	\$ -	\$ -	\$ 60,000	\$ 60,000	\$ 60,000	\$ 180,000

Financial Impact Comments (Required for "Yes" responses):

The ongoing cost for system licensing and maintenance is estimated to be 10% annually. This will result in an ongoing maintenance expense of \$60,000 per year. This expense represents the maintenance required for the entire system and is required to ensure the system is maintained and updated throughout the useful life.

Other Project Benefits/Justifications:

Phase I

- Significantly improved access Authorization, Clearance, and Termination processes for systems access
- Improved identification of user system accesses at all times
- Provision of support for departments to regularly review employee accesses
- Decreased risk of access beyond minimum necessary for both sensitive and non-sensitive data.
- Support and integration with future planned GRC components

Phase II

- Significantly improved the time required to conduct and support the completion of County risk assessments.
- Improved identification of people, process and technology vulnerabilities in County IT systems
- Decreased risk of vulnerability leverage.
- Support for; Digital Risk Management (DRM), Vendor Risk Management (VRM), Business Continuity Management (BCM), Audit Management (AM), and Corporate Compliance & Oversight (CCO)



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Tina Walker Trustee
Name **Department/Division**

Project Name: Digital Mail & Document Center End-of-Life Replacement

Project Location: 157 Poplar Avenue, Memphis, TN 38103

Project Estimated Useful Life (# of years):

Project Description:

The Trustee's office currently uses a solution that is comprised of hardware and software from Opex Corporation with two Opex Mail Extractor/Digital Scanner units that digitize over 200,000 payments and approx. 100,000 documents with multiple images for image-based processing throughout the office. The images captured by these units are used for electronic deposits, digital record retention, and electronic workflows associated with various types of taxpayer correspondence, Tax Relief application processing, Tax Freeze application processing, Quarterly Pay application processing, Wheel Tax reimbursement, Return Mail and Lawsuit Certifications. The original units were purchased in 2004 and 2006 and now have components that have reached end-of-life.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go	\$ 151,620					151,620
Total Funding	\$ 151,620	\$ -	\$ -	\$ -	\$ -	\$ 151,620

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7077 CIP-Major Equip/Components	\$ 151,620					\$ 151,620
Total Project Cost	\$ 151,620	\$ -	\$ -	\$ -	\$ -	\$ 151,620

How were these cost estimates determined? Please attach documentation to support estimates.

Cost estimate was provided via a proposal from the existing vendor (Opex Corporation) dated 11/22/2017. Please note there may be opportunities to reduce some of the hardware expenses by purchasing certain components from the WSCA (Western States Contract Alliance) contract or the GSA (General Services Administration) contract for Federal Government agencies.

What would be the impact of doing nothing or deferring this project by one or more years?

The standard operating systems for computer components in the Trustee's office will be upgraded in the spring of 2018 to Windows 10. The existing units are configured to operate only with Windows 7 and cannot be upgraded to work on Windows 10. Further, Microsoft has indicated that Windows 7 will not be supported after 1/14/2020. As the Trustee relies on these units for critical operations, the aging components should be replaced to ensure functionality and uninterrupted operations.

FINANCIAL IMPACT:

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue						\$ -
b) Changes to Personnel Expense						-
c) Changes to Operating Expense		\$ (5,790)	\$ (5,906)	\$ (6,024)	\$ (6,145)	(23,865)
Total Impact on Operating Budget	\$ -	\$ (5,790)	\$ (5,906)	\$ (6,024)	\$ (6,145)	\$ (23,865)

Financial Impact Comments (Required for "Yes" responses):

New solution to be implemented between July 2018 and September 2018. Maintenance for the replacements units is less than the maintenance on the old units. Figures above represent the maintenance cost savings on the new solution vs. the old.

Other Project Benefits/Justifications:

Project supports the county's standardization of technical operating environments in the use of current technologies and out-of-the-box software applications that do not require ongoing development or customization from county resources. Further, the use of more current technologies reduces the risks associated with antiquated operating systems and obsolete hardware. This project aligns with the County Information Technology Services primary goal... "To deliver a secure and stable communications network and computers system infrastructure."



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Jeff Yallope Information Technology Services
Name **Department/Division**

Project Name: County Commission Audio Video System Replacement

Project Location: 160 North Main, 1st floor chambers, 6th floor committee room

Project Estimated Useful Life (# of years):

Project Description:

The goal of the project is to significantly improve and upgrade the overall audio and visual experience for both the participants on site in the commission chambers and committee rooms, and providing transparency for distance viewers and listeners by effecting a complete replacement of existing audio/video systems. The audio visual enhancements will be reliable and the latest in audio and video technology in order to provide the best quality available. These enhancements should improve all featured audio capabilities in capturing voice and sound, reduce feedback and filter ambient noises. The installed equipment shall be used to facilitate and broadcast live public meetings over the internet, and provide commissioners and their staff with remote A/V collaboration tools that meet their communications requirements.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go	\$ 370,000					370,000
Total Funding	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000

Comments about Revenue Sources:

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7003 Electronic & Computer Equip.	\$ 370,000					\$ 370,000
Total Project Cost	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000

How were these cost estimates determined? Please attach documentation to support estimates.

This is an initial cost estimate, based on the replacement cost of existing equipment and introduction of new technology. Costs were determined following discussions with potential vendors. Cost estimates will be refined as the scope of work becomes further developed.

What would be the impact of doing nothing or deferring this project by one or more years?

Some components in the current system are unreliable and/or reaching EOL, and there is no maintenance or support agreement in place. ITS plans to extend the useful life by replacing these critical components in the short term, and developing documentation to assist a vendor in maintenance and break/fix services. Failure to plan for complete system replacement in fiscal 2021 could result in catastrophic failure of a system critical to the County Commissions' communication with the general public.

FINANCIAL IMPACT:

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue						\$ -
b) Changes to Personnel Expense						-
c) Changes to Operating Expense						-
Total Impact on Operating Budget	\$ -					

Other Project Benefits/Justifications:

This project will replace existing audio and uni-directional video feeds with bi-directional multimedia streams. This will provide residents of Shelby County with improved visibility of County Commission public meetings. It will also provide remote connectivity options for Commissioners to collaborate in their decision-making processes.



Shelby County Capital Improvement Plan Project Request Form for FY2019-2023

Is this a New Project ? No Project/Section Number (for existing projects): 301074
 Requested By: Tom Needham Name: Public Works
 Department/Division: Department/Division
 Project Name: Holmes Road
 Project Location: Riverdale Road to Hacks Cross Road

Project Description:

This project improves a 2.2 mile residential segment of Holmes that is recommended for improvement due to growth in this area of Shelby County and the need for improved pedestrian and bicycle mobility. The roadway is being improved from two to four lanes with a treed median, bicycle lanes and sidewalks. A large elementary school lies along this section of roadway.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Federal Funding				\$ 280,000	\$ 7,200,000			7,480,000
County Funding				\$ 70,000	\$ 1,800,000			\$ -
Total Funding	\$ -	\$ -	\$ -	\$ 350,000	\$ 9,000,000	\$ -	\$ -	\$ 9,350,000

Comments about Revenue Sources:

The project design is complete and a majority of the right-of-way has been dedicated during the land development process.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7071 CIP-Land & Right-of-Way				350000				\$ 350,000
7072 CIP-Architectural & Eng Svcs								-
7076 CIP-Construction Contracts					9000000			\$ 9,000,000
Total Project Cost	\$ -	\$ -	\$ -	\$ 350,000	\$ 9,000,000	\$ -	\$ -	\$ 9,350,000

How were these cost estimates determined? Please attach documentation to support estimates.

These estimated costs were calculated from estimated quantities by consultant for this project.

What would be the impact of doing nothing or deferring this project by one or more years?

The main impact would be the increase in construction costs.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							-
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments (Required for "Yes" Responses):

A) No revenue generated. B) No impact on staffing/personnel expense. C) No impact on operational expenses.

Other Project Benefits/Justifications Comments (Required for "Yes" Responses):

This project will correct poor geometry and provide two (2) additional lanes. It will improve safety with the removal of vertical curves for better sight distance and provide accommodations for pedestrians and bicyclists. Additional lanes will reduce congestion especially during the opening and closing of Highland Oaks Elementary. The road design incorporates complete street principles which follow the sustainable Shelby initiatives. It will enhance livability and have a positive impact on property values for citizens in the southeast area of Shelby County.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ?	<u>No</u>	Project/Section Number (for existing projects):	<u>301082</u>
Requested By:	Tom Needham		Public Works
	Name		Department/Division
Project Name:	Walnut Grove Road Expansion		
Project Location:	Rocky Point to Houston Levee		

Project Description:

This project improves a 1.0 mile of segment of Walnut Grove Road by widening the existing roadway from two to four lanes, correcting geometry, adding bicycle and pedestrian facilities for improved mobility and widening the bridge over Grays Creek. This project includes improvements at the intersection of Houston Levee Road and Walnut Grove. This route provides one of only two east-west crossings of Grays Creek. \$1 million has been allocated in FY17 for preliminary engineering and right of way phase for design and \$1 million in FY18 for the final design and ROW purchase.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Federal Funding	\$ 375,000		\$ 375,000	\$ 8,587,500				\$ 8,962,500
County Funding	\$ 125,000		\$ 125,000	\$ 2,862,500				2,987,500
Total Funding	\$ 500,000	\$ -	\$ 500,000	\$ 11,450,000	\$ -	\$ -	\$ -	\$ 11,950,000

Comments about Revenue Sources:

Funding for this project is being provided through the Memphis Metropolitan Planning Organization's Surface Transportation Program at an 75:25 cost share between TDOT and Shelby County.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs	\$ 500,000		\$ 500,000					500,000
7076 CIP-Construction Contracts				\$ 11,450,000				11,450,000
Total Project Cost	\$ 500,000	\$ -	\$ 500,000	\$ 11,450,000	\$ -	\$ -	\$ -	\$ 11,950,000

How were these cost estimates determined? Please attach documentation to support estimates.

These costs were determined from historical data for road and bridge construction by consulting with the Memphis Metropolitan Planning Organization.

What would be the impact of doing nothing or deferring this project by one or more years?

The impacts of deferring this project are unexpended federal funds are subject to rescission and deferring this project will likely result in increases in construction costs.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments (Required for "Yes" Responses):

A) No revenue generated. B) No impact on staffing/personnel expense. C) No impact on operational expenses.

Other Project Benefits/Justifications Comments (Required for "Yes" Responses):

The project will be a major east-west arterial providing connectivity to Collierville, Germantown, Unincorporated Shelby County, and City of Memphis. There will be improved emergency response access in the vicinity of residential, commercial, and school uses.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ? No Project/Section Number (for existing projects): 301083
 Requested By: Tom Needham Name: Tom Needham Department/Division: Public Works
 Project Name: Macon Road
 Project Location: Macon Road from Berryhill to Houston Levee

Project Description:

This project provides 1.73 miles of roadway improvements by widening Macon Road from two to four lanes from Berryhill Road to Houston Levee Road, addition of pedestrian and bicycle facilities, and construction of a new bridge over Gray's Creek. Intersection improvements will be made at Berryhill Road, Lenow Road, Rebel Drive, Big Orange, Far Road, and Houston Levee Road.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Federal Funding			\$ 1,125,000		\$ 1,350,000	\$ 13,012,500		\$ 15,487,500
County Funding			\$ 375,000		\$ 450,000	\$ 4,337,500		5,162,500
Total Funding	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 1,800,000	\$ 17,350,000	\$ -	\$ 20,650,000

Comments about Revenue Sources:

Funding for this project is being provided through the Memphis Metropolitan Planning Organization's Surface Transportation Program at an 75:25 cost share between TDOT and Shelby County.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7071 CIP-Land & Right-of-Way					\$ 1,800,000			\$ 1,800,000
7072 CIP-Architectural & Eng Svcs			\$ 1,500,000					1,500,000
7076 CIP-Construction Contracts						\$ 17,350,000		17,350,000
Total Project Cost	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 1,800,000	\$ 17,350,000	\$ -	\$ 20,650,000

How were these cost estimates determined? Please attach documentation to support estimates.

These costs were determined from historical data for road and bridge construction by consulting with the Memphis Metropolitan Planning Organization.

What would be the impact of doing nothing or deferring this project by one or more years?

The impacts of deferring this project are unexpended federal funds are subject to rescission and deferring this project will likely result in increases in construction costs.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Financial Impact Comments (Required for "Yes" Responses):

A) No revenue generated. B) No impact on staffing/personnel expense. C) No impact on operational expenses.

Other Project Benefits/Justifications Comments (Required for "Yes" Responses):

Bicycle and pedestrian facilities are part of this project including a connection to the Greenline. Major east-west arterial providing connectivity through Unincorporated Shelby County, City of Memphis, and Fayette County. This route provides a critical link to State Route 385 for commuters traveling north and south in Shelby County across Gray's Creek.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): 301084
 Requested By: Tom Needham Name Public Works Department/Division
 Project Name: Houston Levee
 Project Location: Houston Levee Road from Walnut Grove Road to Wolf River Bridge

Project Description:

This project improves Houston Levee Road by widening the segment from Walnut Grove to the Wolf River Bridge from two to four lanes. The roadway segment will include a median with pedestrian and bicycle facilities and landscaping. Length (miles) 1.67. This project improves emergency vehicle access along a major north-south corridor in Shelby County.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Federal Funding			\$ 1,350,000		\$ 10,800,000			12,150,000
County Funding			\$ 450,000		\$ 3,600,000			4,050,000
Total Funding	\$ -	\$ -	\$ 1,800,000	\$ -	\$ 14,400,000	\$ -	\$ -	\$ 16,200,000

Comments about Revenue Sources:

Funding for this project is being provided through the Memphis Metropolitan Planning Organization's Surface Transportation Program at an 75:25 cost share between TDOT and Shelby County.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs								-
7076 CIP-Construction Contracts			\$ 1,800,000		\$ 14,400,000			16,200,000
Total Project Cost	\$ -	\$ -	\$ 1,800,000	\$ -	\$ 14,400,000	\$ -	\$ -	\$ 16,200,000

How were these cost estimates determined? Please attach documentation to support estimates.

These costs were determined from historical data for road and bridge construction by consulting with the Memphis Metropolitan Planning Organization.

What would be the impact of doing nothing or deferring this project by one or more years?

The impacts of deferring this project are unexpended federal funds are subject to rescission and deferring this project will likely result in increases in construction costs.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Financial Impact Comments (Required for "Yes" Responses):

A) No revenue generated. B) No impact on staffing/personnel expense. C) No impact on operational expenses.

Other Project Benefits/Justifications Comments (Required for "Yes" Responses):

Briarcrest School is located along the proposed improvements. Project links commercial, multi-family and single family residential properties along the route. Four (4) major linkages are connected with three (3) arterials and a collector road. This project provides connectivity to Collierville, Unincorporated Shelby County, Memphis, and Lakeland.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ?

No

Project/Section Number (for existing projects):

Requested By:

Thomas E. Needham

Name

Public Works

Department/Division

Project Name:

Hacks Cross Road

Project Location:

Intersection of Shelby Drive to Stateline Road

Project Description:

This project improves a 1.8-mile segment of Hacks Cross Road from Shelby Drive to Stateline Road by widening the roadway from two to seven lanes. The improvements will include pedestrian and bicycle facilities and landscaping. This corridor is a major north-south connector that is highly congested with traffic traveling through Unincorporated Shelby County, the City of Memphis and north Mississippi. Hacks Cross Road has an interchange at State Route 385 which is a significant traffic generator.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Federal Funding	\$ 800,000		\$ 800,000	\$ 11,520,000				12,320,000
County Funding	\$ 200,000		\$ 200,000	\$ 2,880,000				3,080,000
Total Funding	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 14,400,000	\$ -	\$ -	\$ -	\$ 15,400,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs								-
7076 CIP-Construction Contracts			\$ 1,000,000	\$ 14,400,000				15,400,000
7012 Land	\$ 1,000,000							-
Total Project Cost	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 14,400,000	\$ -	\$ -	\$ -	\$ 15,400,000

How were these cost estimates determined? Please attach documentation to support estimates.

Cost estimates from historical data for road and bridge construction through consultation with the Metropolitan Planning Organization.

What would be the impact of doing nothing or deferring this project by one or more years?

Project delay will result in continued congestion and poor efficiency for commerce along a major commercial and residential route.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Other Project Benefits/Justifications Comments (Required for "Yes" Responses):

This project will reconstruct a vital north-south corridor for residential and commercial traffic. It will improve safety by adding lanage for a consistent cross-section that will remove the weaving actions that are a result of a varying roadway which currently exists. Hacks Cross Road accommodates a significant number of trucks and commuters traveling to employment centers both in Memphis and north Mississippi. Expansion of the roadway will provide a more efficient route that will reduce traffic delays from congestion, thus reducing the amount of harmful vehicle emissions from vehicles idling. Modern infrastructure that meets demands is important for quality of life and recruitment of businesses to Shelby County.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: Tom Needham Public Works
Name Department/Division

Project Name: Benjestown Road Pedestrian Bridge

Project Location: Pedestrian Bridge over the Loosahatchie River from the North End of Benjestown Road

Project Description:
This project will include the construction of a new pedestrian bridge over the Loosahatchie River from the North End of Benjestown Road. The Bridge across the Loosahatchie will be the final leg to complete a primary route from Downtown to Memphis to the secondary bicycle routes in the Shelby Forest area.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Federal Funding								-
Other:						\$ 2,160,000		2,160,000
County Funding						\$ 540,000		540,000
Total Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700,000	\$ -	\$ 2,700,000

Comments about Revenue Sources:
Funding for this project is being provided through the Memphis Metropolitan Planning Organization's Surface Transportation Program at an 75:25 cost share between TDOT and Shelby County.

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7071 CIP-Land & Right-of-Way								-
7072 CIP-Architectural & Eng Svcs								-
7076 CIP-Construction Contracts						\$ 2,700,000		2,700,000
Total Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700,000	\$ -	\$ 2,700,000

How were these cost estimates determined? Please attach documentation to support estimates.
These costs were determined from historical data for bridge construction by consulting with the Memphis Metropolitan Planning Organization.

What would be the impact of doing nothing or deferring this project by one or more years?
The impacts of deferring this project are unexpended federal funds are subject to rescission and deferring this project will likely result in increases in construction costs.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: Cliff Norville _____ Agricenter

Project Name: Shelby Farms Operations Center _____ Department/Division

Project Location: Haley Road _____

Project Estimated Useful Life (# of years):
50

Project Description:

The Shelby Farms Park Conservancy currently utilizes an old barn on Haley Road to store maintenance vehicles and equipment, as well as, displays from "Starry Nights" and other park attractions. The barn is a wooden structure originally constructed as part of the Shelby County Penal Farm. The exact construction date is not known, but the barn is over 75 years old. The barn is in extreme disrepair. The roof has failed, including a large hole on the south end. The walls have warped beyond repair. Most windows are broken. The building has no insulation. The building is unsafe for the employees, who access items stored inside. This project involves demolition of the existing barn, architectural/engineering consultant services for design of a new structure at a new location, and construction of a new insulated metal building to accommodate the maintenance and storage needs of the Conservancy. The warehouse is approximately 6,800 ft². The cost per square foot is approximately \$190/ft². This is high for a typical warehouse structure, but the total cost includes several factors driving the cost higher than normal, such as: building height of 20 feet to accommodate the "Starry Nights" exhibits, jib crane, equipment lift, multi-process welder, 1/3 of building is fully conditioned with ADA compliant restrooms for maintenance staff. Plus, the total cost includes new paving around the perimeter of the building.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 1,300,000					\$ 1,300,000
Total Funding	\$ -	\$ -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7076 CIP-Construction Contracts			\$ 1,300,000					\$ 1,300,000
Total Project Cost	\$ -	\$ -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000

How were these cost estimates determined? Please attach documentation to support estimates.

Support Services staff prepared the cost estimate. Means Construction Cost Estimating Guide was used for estimating building material and labor costs for typical structures. Adjustments were made to account for local pricing.

What would be the impact of doing nothing or deferring this project by one or more years?

The Conservancy would continue to use the building for storage. Items stored in the barn would be exposed to the elements and deteriorate. Employees who access stored items would be at risk of personal injury due to the hazardous conditions in the barn.

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

The existing structure has deteriorated beyond repair. This project includes the demolition of the existing structure and construction of a replacement building, thereby enhancing SCG infrastructure.



Shelby County Capital Improvement Plan

Project Request Form for FY2019-2023

Is this a New Project ? No Project/Section Number (for existing projects): 271271

Requested By: Tom Needham Public Works
Name Department/Division

Project Name: Big Creek Resiliency Project
 Project Location: Big Creek Millington Naval Activity

Project Estimated Useful Life (# of years):

 50

Project Description:

Provide an expanded floodway to prevent the City of Millington and the Naval Support Activity from flooding during extreme rain events. The City of Millington and the Naval support activity have flooded multiple times over the past 15 years with damages exceeding \$500,000,000. This project will increase the storage capacity for storm water in the area between the Big Creek levee and Highway 385 to maintain a peak water level during high rain events below the top of the Big Creek Levee. The project will make room for the river to flow around Millington rather than flooding the city. The area will be used as a park and for other recreational activities during the times of normal rainfall. The project protects the area from flooding and provides a new community space that can be used by all residents of Shelby County.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
Reimbursement - Other Local Govt				\$ 500,000	\$ 500,000			\$ 1,000,000
Reimbursement - City of Memphis								\$ -
State Funding	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000				\$ 4,000,000
Federal Funding	\$ 1,000,000	\$ 1,000,000	\$ 2,000,000	\$ 4,000,000	\$ 14,000,000	\$ 6,500,000	\$ 1,500,000	\$ 28,000,000
Other:								\$ -
County Funding				\$ 2,000,000	\$ 1,000,000			\$ 3,000,000
Total Funding	\$ 3,000,000	\$ 3,000,000	\$ 4,000,000	\$ 8,500,000	\$ 15,500,000	\$ 6,500,000	\$ 1,500,000	\$ 36,000,000

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7071 CIP-Land & Right-of-Way	\$ 3,000,000	\$ 3,000,000		\$ 1,500,000	\$ 1,500,000			3,000,000
7072 CIP-Architectural & Eng Svcs			\$ 500,000	\$ 1,000,000				\$ 1,500,000
7076 CIP-Construction Contracts			\$ 3,500,000	\$ 6,000,000	\$ 14,000,000	\$ 6,500,000	\$ 1,500,000	31,500,000
Total Project Cost	\$ 3,000,000	\$ 3,000,000	\$ 4,000,000	\$ 8,500,000	\$ 15,500,000	\$ 6,500,000	\$ 1,500,000	\$ 36,000,000

How were these cost estimates determined? Please attach documentation to support estimates.

Cost estimates determined from preliminary design prepared by the consultants' partners working with the County to develop the Grant application.

What would be the impact of doing nothing or deferring this project by one or more years?

The probability of the City of Millington and the Naval support activity flooding is greater

Financial Impact on Operating Budget:	Current	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue							\$ -
b) Changes to Personnel Expense							-
c) Changes to Operating Expense							-
Total Impact on Operating Budget	\$ -						

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

This project provides new recreational space for Shelby County residents, completes a phase of the Greenprint that was adopted by the Shelby County Commission and reduces the flood treat of the City of Millington which has been a detriment in attracting industry to the City.



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By: Thomas E. Needham Public Works
Name Department/Division

Project Name: Shelby County Sewer System

Project Location: Unincorporated Shelby County

Project Estimated Useful Life (# of years):

Project Description:

The City of Memphis has established a policy to not extend new sewer services outside their municipal boundaries. The policy also does not allow for new sewer connections to the existing collection system. The effect of this policy will negatively impact the potential development in Unincorporated Shelby which, in turn will have a negative effect on the property tax base. The City has requested that the ownership of all existing sewer collection systems located in unincorporated Shelby County transfer to Shelby County. The project would include the receipt of the existing collection system and the the construction of a new Wastewater Treatment plant located close to the Wolf River in the Grays creek water shed.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding	\$ 3,000,000	\$ 2,000,000		\$ 35,000,000		40,000,000
Total Funding	\$ 3,000,000	\$ 2,000,000	\$ -	\$ 35,000,000	\$ -	\$ 40,000,000

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7076 CIP-Construction Contracts	\$ 1,000,000	\$ 1,000,000		\$ 35,000,000		\$ 37,000,000
7072 CIP-Architectural & Eng Svcs	\$ 2,000,000	\$ 1,000,000				3,000,000
Total Project Cost	\$ 3,000,000	\$ 2,000,000	\$ -	\$ 35,000,000	\$ -	\$ 40,000,000

How were these cost estimates determined? Please attach documentation to support estimates.

The costs were estimated from information provided by several engineering firms that provide design services for sewer systems.

What would be the impact of doing nothing or deferring this project by one or more years?

The present land value of areas of the county that have a collection system will likely drop in value, This will have a negative effect on the future development of unincorporated Shelby County

FINANCIAL IMPACT:

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue	\$ (500,000)	\$ (1,200,000)	\$ (1,600,000)	\$ (2,200,000)	\$ (2,200,000)	\$ (7,700,000)
b) Changes to Personnel Expense	\$ 150,000	\$ 300,000	\$ 500,000	\$ 500,000	\$ 500,000	1,950,000
c) Changes to Operating Expense	\$ 50,000	\$ 75,000	\$ 75,000	\$ 250,000	\$ 250,000	700,000
Total Impact on Operating Budget	\$ (300,000)	\$ (825,000)	\$ (1,025,000)	\$ (1,450,000)	\$ (1,450,000)	\$ (5,050,000)

Financial Impact Comments (Required for "Yes" responses):

The additional revenue will be generated by sewer usage fees that the County will receive based on billings to sewer users and collections recieved by MLGW for the sewer utility. The existing staff in not sufficient to maintain and manage a larger collection system and does not have the expertise to operate a new sewer. The staff will need to increased by a total o 6 FTE's The operating expenses will be increased for the operations and materials needed to service the larger collection system and the chemicals required to treat the waste water in the Waste Water Treatment plant.

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

This project will provide additional sewer treatment capacity and collection system extensions into portions of Shelby County which presently does not have sewer service. This will provide a safer method to dispose of the waste water in these areas. The extension of the sewer service will increase the ability to enhance residential commercial and industrial development in the County which will increase the tax base and provide additional jobs in the community



Shelby County Capital Improvement Plan New Project Request Form for FY2019-2023

Requested By:

Thomas E. Needham

Public Works

Name

Department/Division

Project Name:

Youth Villages-Dogwood Campus Sewer Lift Station

Project Location:

Bekemeyer Drive at Highway 64

Project Estimated Useful Life (# of years):

20

Project Description:

The wastewater treatment plant serving the Youth Villages-Dogwood Campus is needing improvements to continue operating at a level that meets current discharge permitting requirements. This project installs a pump station at the existing City of Memphis' sewer force main to eliminate the need for the treatment plant and decommissions the plant. By taking the plant offline, the sewer program liability is greatly reduced and weekly monitoring and maintenance costs associated with plant operations are eliminated.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding	\$ 400,000					400,000
Total Funding	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7076 CIP-Construction Contracts	\$ 400,000					\$ 400,000
Total Project Cost	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000

How were these cost estimates determined? Please attach documentation to support estimates.

The costs were estimated from prior sanitary sewer system projects.

What would be the impact of doing nothing or deferring this project by one or more years?

The wastewater treatment plant is approaching obsolescence which could effect continued permitting by the Tennessee Department of Environment and Conservation (TDEC).

Financial Impact Comments (Required for "Yes" responses):

The annual cost of plant operations of approximately \$12,000 and liabilities associated with plant ownership and operations are eliminated.

Other Project Benefits/Justifications Comments (Required for "Yes" responses):

This project replaces a wastewater treatment plant that is approaching obsolescence. Decommissioning the plant and carrying the sewer to the City of Memphis force main will significantly reduce maintenance costs and eliminate the need for daily inspections and weekly testing mandated by permitting from TDEC. The sanitary sewer will then be carried to the City of Memphis wastewater treatment plant improving efficiency and eliminating a treated effluent discharge into Gray's Creek from the existing County-owned plant. This project is a modernization of infrastructure that has both a positive impact on the environment and achieves County's goals of improving infrastructure and reducing overall costs.



**Shelby County Capital Improvement Plan
New Project Request Form for FY2019-2023**

Requested BY: John Butler, President Agricenter
Name **Department/Division**

Project Name: Agricenter Expo Center Construction and Renovation CIP Request (2023)

Project Location: Agricenter International, 7777 Walnut Grove Rd., Memphis, TN 38120

Project Estimated Useful Life (# of years):

Project Description:

The 2023 CIP request for the Agricenter East Exhibition Pavillion and Ampitheater project completes construction and renovation of the programmed floor space for the Agricenter Exhibition Center. Agricenter Concrete Decking and Pyramid Roof Renovation is requested to preserve County infrastructure.

FUNDING SOURCES:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding - Pay-As-You Go			\$300,000		\$4,500,000	4,800,000
Total Funding	\$ -	\$ -	\$ 300,000	\$ -	\$ 4,500,000	\$ 4,800,000

Comments about Revenue Sources:

EXPENSE ALLOCATIONS:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs			\$ 300,000			\$ 300,000
7076 CIP-Construction Contracts					\$ 4,500,000	4,500,000
Total Project Cost	\$ -	\$ -	\$ 300,000	\$ -	\$ 4,500,000	\$ 4,800,000

How were these cost estimates determined? Please attach documentation to support estimates.

The Agricenter East Pavillion cost estimate is based on BESCO Construction Co. All other supporting cost estimates are based on conversations with professionals projecting the standards and renovation needs of our facility.

What would be the impact of doing nothing or deferring this project by one or more years?

Lost revenue from the inability to book projected "New" events as well as loss of events due to aging infrastructure that does not meet the standards expected by our customers.

FINANCIAL IMPACT:

Impact on Operating Budget:	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
a) Additional Revenue					\$350,000	\$ 350,000
b) Changes to Personnel Expense					(\$75,000)	(75,000)
c) Changes to Operating Expense					(\$50,000)	(50,000)
Total Impact on Operating Budget	\$ -	\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000

Financial Impact Comments (Required for "Yes" responses):

New events impacting the bottom line revenues will assist Agricenter in protection of County assets. Renovation of space will help attract new and former tenants who have left due to a lack of quality space as their shows have grown. Additional new events may drive the need for possibly one Asst. Manager and floor employees to meet the needs of our customers. This will be at Agricenters expense. With any new addition there is added expense for utility costs, repairs, etc. However, the additional cost will be paid by Agricenter from the revenues generated from usage fees of the new space.

Other Project Benefits/Justifications:

The expansion and renovation of Shelby County assets that are almost 40 years old will increase the operational efficiency. Addressing current code issues relating to entrances and exits as well as storm water problems that have plagued the facility since its inception will enhance public safety. This project stimulates economic development to local business by providing an increase in visitor traffic to the area. The most recent Economic Impact Study shows that adding to the Agricenter impacts the local economy by \$524 Million. This 4.8 million dollar investment into the Agricenter Campus will extend the useful life of County property and investment by another 20 years. This investment will address storm water drainage issues. Building renovations will provide a safer environment for the health of its tenants. Agricenter on an annual basis continues to invest money raised by its operations back into the County owned property in smaller capital projects.



**Shelby County Capital Improvement Plan
Project Request Form for FY2019-2023**

Is this a New Project ? No Project/Section Number (for existing projects): _____

Requested By: _____

Project Name: _____ Name: FedEx Forum Maintenance Department/Division: _____

Project Location: _____ FedEx Forum

Project Description:
 The FedEx Forum is now in its 11th year of operation and the capital needs are increasing. The agreements with the Memphis Grizzlies provide that they will manage the FedEx Forum and the City of Memphis and Shelby County are responsible for the capital needs of the facility to maintain it as a first class NBA Arena. The original financing of the facility included a \$10 million Capital Reserve Fund. This fund has been used judiciously during the first eleven years but is expected to be exhausted within the next two years. The Memphis Grizzlies have had a facility assessment prepared that indicates substantial capital needs going forward as the building ages.

Once the Capital Reserve Fund is exhausted, Shelby County and the City of Memphis are required to equally fund all capital requirements. To make everyone aware of this obligation, we have included \$5 million per year starting in Fiscal 2018 for the Shelby County share of capital requirements of the FedEx Forum. Over the next few months, we will be working closely with the Memphis Grizzlies to assess projected needs.

FUNDING SOURCES:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
County Funding			\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	15,000,000
Total Funding	\$ -	\$ -	\$ 3,000,000	\$ 15,000,000				

EXPENSE ALLOCATIONS:	FY2018 Budget	FY2018 Forecast	FY2019	FY2020	FY2021	FY2022	FY2023	5 Year Total
7072 CIP-Architectural & Eng Svcs		\$ -	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 15,000,000
Total Project Cost	\$ -	\$ -	\$ 3,000,000	\$ 15,000,000				

How were these cost estimates determined? Please attach documentation to support estimates.
 The Memphis Grizzlies have had a facility assessment prepared that indicates substantial capital needs going forward as the building ages.

