

# FY 2008-12 RECOMMENDED CAPITAL IMPROVEMENT PLAN PROJECT DESCRIPTIONS

(NOTE: PROJECTS TITLES IN **BOLD** SCHEDULED TO RECEIVE FUNDING BEGINNING IN FY 08. NARRATIVE INFORMATION IN ***Bold Italics*** INDICATES CHANGES MADE SINCE FEBRUARY 2007.)

## 1. County Buildings and Facilities

- A. **Detention Annex I Repairs and Renovations (FY 08)**: This project provides for replacing the roof, replacing windows and security screens, HVAC repairs, and plumbing updates at the Detention Facility located at 180 Daniel Morgan Avenue.
- B. **Sheriff's Office Building Improvements (FY 08)**: This project provides for roof replacement and rooftop HVAC replacement at the Sheriff's Office Building.
- C. **Main Detention Facility Building Improvements (FY 08-12)**: This project involves a number of improvements over the five-year capital plan at the Main Detention facility including: rooftop HVAC replacement (FY 08); roof replacement (FY 08); installation of a lightning arrester (FY 08); installation of a 2,000 gallon fuel oil tank (FY 09), kitchen and laundry upgrades in conjunction with the Detention Facility Expansion project (FY 10); and plumbing upgrades throughout the facility (FY 09-12). ***Based on an update analysis of revenues, this project is recommended to be funded in FY 08 with \$418,250 from the Jail Maintenance Fund (originally \$596,000), \$538,750 from the Capital Projects Fund (originally \$361,000), and \$100,000 from the housing of federal prisoners (no change).***
- D. **Courthouse Chiller Replacement (FY 08)**: The refrigerated cooling water chiller at the Spartanburg County Courthouse located at 180 Magnolia Street is showing signs of needing replacement. Metal shavings are showing up in the lubrication system and the chiller is twelve (12) years old.
- E. **Fleet Services Facility Repairs (FY 08)**: This project will provide funding for roof replacement on the primary and an auxiliary Fleet Services building, located at 180 Broadcast Drive.
- F. **Evans Building Improvements (FY 08)**: This project request involves two improvement projects at the Evans Building (*pictured to the right*) located at 142 South Dean Street. Improvements include roof replacement (FY 08) and replacement of eighty-three (83) water source heat pumps in the building (FY 09).
- G. **USC-Upstate Property Expansion (FY 08)**: ***This project was added in March 2007 to the Recommended Capital Improvement Plan. A General Obligation Bond – Series 2007/08 issue is recommended to purchase properties contiguous to the USC-Upstate campus.***
- H. **County Administration Building Improvements (FY 09-10)**: The Spartanburg County Administration Building is located at 366 North Church Street. Requested improvements include: roof replacement (FY 09) and parking lot repaving (FY 10).



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- I. 9-1-1 Console Furniture Replacement (FY 09): 9-1-1 console furniture house the many systems (computer aided dispatch, radio, telephone, etc.) used in the emergency operations of the 9-1-1 center. In addition, it provides an ergonomic, usable workspace for 9-1-1 personnel to perform their duties. Due to constant use, the consoles are scheduled for replacement every seven (7) to ten (10) years.
- J. County Facilities Master Plan (FY 09): A facilities master plan will be developed for Spartanburg County operations. The facilities master plan will take an overall look at all Spartanburg County operations and facilities and make recommendations to improve the effectiveness and efficiency of providing services.
- K. New Office Building at Wellford Landfill (FY 10): Construction of a new office building located at the Wellford Landfill. Construction of the Phase VI MSW Landfill will require the existing office building to be demolished. A new 2,500 – 3,000 square foot office building will be constructed to meet the space needs of the Solid Waste staff at the landfill.

**2. Public Works – Roads and Intersections**

- A. **Fairforest Road Widening (FY 08-09):** The Fairforest Road Widening project will widen the existing, county owned road from Highway 176 to the SCDOT section at Spartanburg Community College. The road will be widened from approximately eighteen (18) to twenty (20) feet to twenty-four (24) feet. The length of road to be widened is approximately 5,950 feet.
- B. **Hampton Road at Holly Springs Road Intersection Improvements (FY 08-09):** School District 5 is completing two new schools near this intersection. Funding is requested to construct left turn lanes and place a traffic signal at the intersection of Hampton Road and Holly Springs Road. Hampton Road is a county-owned road while Holly Springs Road is a state-owned road.
- C. **Countywide Tar and Gravel Road Resurfacing (FY 08 – Ongoing):** This project will provide funding for tar and gravel road resurfacing. Work is completed each spring, following an inspection of county roads. Tar and gravel resurfacing is used to seal pavements that are cracking to keep water from penetrating the road sub-base and extend the life of the pavement. This helps in delaying the need to repave the road and reduce costs.
- D. **Countywide Dirt Road Surfacing (FY 08 – Ongoing):** This project will provide asphalt surfacing of minimum maintenance unpaved roads within the county road system. Citizens petition the county to pave the roads, and then all necessary right-of-ways must be donated. The roads then go on a waiting list, and are completed on a “first come first served” basis when funding is available.
- E. **Countywide Asphalt Resurfacing (FY 08 – Ongoing):** This project will provide funding for asphalt resurfacing on county roads on an annual basis. Roads are selected for asphalt resurfacing based on the Overall Condition Index (OCI) report each year. Ideally, roads will be resurfaced when the OCI associated with the road is between forty-one (41) and fifty-five (55). This is the least expensive time period to resurface the road.
- F. **Municipal Road Projects (FY 08 – Ongoing):** Funding is allocated to incorporated cities and towns in the county for road projects, based on a population distribution formula. Municipalities submit funding requests to the County, and requests are reviewed by an advisory committee. Funds are held in escrow for the municipalities.
- G. **Zion Hill Road at US 29 Intersection Improvements (FY 09-10):** This project request will construct left turn lanes on Zion Hill Road and Plainview Drive at their intersections with U.S. 29. These two county roads intersect directly opposite each other with U.S. 29. Both roads are

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arterial/collector roads and they are two-lane roads. Peak hour morning and evening traffic are resulting in traffic congestion.

- H. Gin House Road Widening (FY 09-10): The Gin House Road Widening project will widen approximately 3700 feet of road from sixteen feet (16') to twenty-four (24') from Kist Road to Abner Creek Road. This widening project will address anticipated increased traffic flow from construction of an elementary school in the area.
- I. Westmoreland Road Widening (FY 11-12): This project will widen approximately 6,300 feet of the county-owned portion of Westmoreland Road from sixteen feet (16') to twenty-four feet (24'). Widening will occur between Brockman McClimon Road to where the City of Greer incorporated area begins. Increased traffic flow due to hospital construction, and planned residential and commercial developments in the area necessitates the widening of Westmoreland Road.
- J. Old Blackstock Road Widening (FY 12 – TBD): This project will widen Old Blackstock Road from Fairforest Clevedale Road to the beginning of state road maintenance, approximately 930 feet. It will widen this section of Old Blackstock Road to two (2) twelve (12) foot lanes and provide drainage and shoulders to the roadway.
- K. Society Hill Road Widening (FY 12 – TBD): This project will widen and improve intersections on Society Hill Road from Ott Shoals Road to Stone Station Road. This section of road is heavily used by school buses going to and from Gable Middle School. Widening the road from eighteen feet (18') to twenty-four feet (24') will allow school buses and other traffic to pass safely.

**3. Public Works – Sidewalks**

- A. **Sidewalk Replacement Program (FY 08 – Ongoing):** This project will replace sections of deteriorated sidewalks and curbs and gutters in identified areas of Spartanburg County. In FY 2007/08, \$25,000 is budgeted to complete an inventory of County sidewalks and develop needs assessment. In FY 2009-2012, \$160,000 is budgeted annually to complete approximately one (1) mile of sidewalks.

**4. Public Works – Bridges**

- A. **Countywide Bridge and Culvert Repair and Maintenance (FY 08 – Ongoing):** This project request provides for the replacement and repair of bridges and large culverts on county roads by the county bridge crew.
- B. **Brockman McClimon Road Bridge Replacement (FY 08):** This project will replace the Brockman McClimon Road Bridge where it crosses Abners Creek, approximately seven (7) miles southeast of the City of Greer. This bridge is a concrete paved-in-place culvert, and is now too narrow to adequately handle traffic flow in the area. In addition, it sits in the Enoree River Flood Zone and has been subject to periodic flooding.

- C. **Zimmerman Road Bridge Replacement (FY 08-09):** This project will replace the Zimmerman Road Bridge where it crosses the North Tyger River, approximately four (4) miles north of the Town of Lyman. The current bridge is forty-two (42) years old, and needs replacement to accommodate traffic flow. This bridge is located near the county landfill, and heavy trucks frequently utilize this route. The current bridge will be replaced with a new sixty foot (60') span that will be able to accommodate the traffic needs in the area.



*Zimmerman Road Bridge*

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- D. Runion Road Bridge Replacement (FY 10-11): This project will replace the Runion Road Bridge where it crosses Holston Creek, approximately 3.8 miles northwest of the Town of Inman. The current bridge is approximately thirty-one (31) years old and is not properly aligned with the roadway. It also has a load restriction, limiting the vehicles that can utilize it.
- E. Dairy Ridge Road Bridge Replacement (FY 10-11): This project will replace the closed bridge on Dairy Ridge Road where it crosses Kelsey Creek, approximately 5.5 miles southeast of the City of Spartanburg. The bridge is closed because the main beams have rusted out and failed. It will be replaced with a new structure, which will allow the bridge to become operational.
- F. ~~Old Asheville Highway Road Bridge Replacement (FY 11-12): This project will replace the Old Asheville Highway Bridge (U.S. 176) where it crosses the Pacolet River, approximately one (1) mile northwest of the Town of Campobello. The current bridge will need to be replaced, as it is nearing the end of its useful life, and currently floods during heavy rains. It will be replaced by a new sixty foot (60') structure, and flooding problems will be corrected. ***This project has been removed from the CIP. The section of road where the bridge is located has been annexed into the Town of Campobello.***~~
- G. Hampton Road Bridge Replacement (FY 11-12): This project will replace the Hampton Road Bridge where it crosses the North Tyger River, approximately 4.5 miles southwest of the Town of Inman. The bridge is very low to the water and is subject to flooding.
- H. Kist Road Bridge Replacement (FY 12 – TBD): This project will replace the Kist Road Bridge where it crosses Abners Creek, approximately seven (7) miles southeast of the City of Greer. The bridge sits in a slight curve, and the deck is showing signs of wear due to large truck traffic. In addition, a new school is scheduled to be built in this area, increasing traffic flow across the bridge.

**5. Public Works – Solid Waste**

- A. **Convenience Center 16 Expansion (FY 08):** Construction and expansion of the Station 16 Convenience Center (*pictured to the right*) located at the entrance of the Wellford Landfill. This expansion will allow for citizens to dispose of household waste items without entering the landfill. The convenience center will include a recycling station.



- B. **Phase VI MSW Landfill Cell 1 Liner (FY 08):** This project is located at the Wellford Landfill and is part of the existing Phase VI MSW Landfill expansion project. The project consists of the liner installation for the fifteen (15) acre site. The liner installation must be completed by October 2007 as the Phase V Landfill reaches capacity. ***Revised engineering costs associated with this project add \$120,000 to the project total, an increase from \$4,760,900 to \$4,880,900.***
- C. Phase V MSW Landfill Closure (FY 09- TBD): This project provides for the final capping and restoration of approximately thirty-four (34) acres of closed landfill area. Closure work includes the addition of soil and vegetation to the former work area in accordance with requirements of the State Department of Health and Environmental Control (DHEC).
- D. Phase VI MSW Cell 2 Construction (FY 10-11): This project is part two (Cell 2) of the Phase VI MSW Landfill expansion located at the Wellford Landfill. The project involves earthwork, cell construction, and lining of ten (10) acres that would be used for the disposal of household waste.

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- E. Phase VI MSW Cell 1 Landfill Closure (FY 12 – TBD): Closure and capping of the Phase VI MSW Cell 1 Landfill located at the Wellford facility. This project is required by SCDHEC once an MSW Landfill has reached capacity and is no longer receiving waste.
- F. Croft Methane Gas Extraction System (FY 09): Installation of an active methane gas extraction system with a flare at the Croft Landfill. With the installation of this system, methane gas can be collected and burned off through a candlestick flare that will result in keeping methane gas percentages in compliance with state regulations.
- G. Construction and Demolition Landfill Expansion (FY 09-11): Expansion of the existing Construction and Demolition (C & D) Landfill located at the Wellford Landfill. The existing C & D Landfill is expected to be near capacity by the end of FY 2008/09.
- H. Recycling Yard Relocation (FY 10): Relocation of the current recycling yard located at the Wellford Landfill. This project is necessary as the construction of the Phase VI MSW Cell 2 Landfill will be located within the property where the existing recycling yard is located.
- I. Croft Landfill Dumpsite Cleanup (FY N/A): This project request involves remediation of an approximately 1.77 acre dumpsite at the county-owned Croft Landfill. This project is not funded in the five-year Capital Improvement Plan, as the scope of work and cost estimates continue to be developed. The project description is included however, as the county will need to perform this work most likely within the five-year period of the Capital Improvement Plan. The county is currently waiting for additional guidance from the South Carolina Department of Health and Environmental Control (DHEC) in relation to this matter.

**6. Public Works – Stormwater Management**

- A. **Edgecombe Road Drainage Improvements (FY 08)** – This project will construct a storm sewer system for approximately 1200 feet down Edgecombe Drive, which is located off Fernwood Glendale Drive. Flooding occurs even during small rain events making access for local residents and emergency vehicles dangerous or impossible. ***This project was added in March 2007 to address critical needs in this area. Funding will be allocated through the Stormwater Management Fund.***
- B. Stormwater Management – Capital Materials and Equipment (FY 09): This project will provide funding for two (2) pieces of capital equipment needed for the County's Stormwater Management program, as new stormwater MS4 regulations require additional "Best Management Practices" to be accomplished by the county.

**7. Public Safety**

- A. **Main Detention Facility Expansion (FY 08-10):** Expansion of the Main Spartanburg County Detention Facility, located at 950 California Avenue. The Spartanburg County Detention Facilities currently house an average 800 inmates daily. The Main Detention Facility has a rated capacity of 436 beds, and Annex II has a rated capacity of 131 beds. This expansion project would close Annex II. A detached dormitory style building constructed on county-owned property at the Main Detention Facility would provide an additional 256 beds for low-flight-risk inmates. Three (3) pods, or sixty-four (64) bed housing units would be added to the existing facility, adding 192 beds. Combined, this expansion would add 448 beds to the Main Detention Facility. Renovations on Detention Annex I (separate project request, "Detention Annex I Repairs and Renovations") would add eighty-two (82) beds to the County's rated capacity.
- B. **Volunteer Fire Department Capital Items (FY 08 – Ongoing):** The Volunteer Fire Department program provides a contribution to the operational budgets of the fire departments and provides a one-half (1/2) mil tax levy for one-time capital improvements to qualifying fire departments.

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Requests for distribution of funds are reviewed and recommended for approval by the Spartanburg County Fire Advisory Committee.

- C. Courthouse Security Equipment Upgrade (FY 09): This project will provide security upgrades for the Spartanburg County Courthouse, including metal detectors, and other detection equipment.
- D. Emergency Services Academy (ESA) Master Planning (FY 09-10): This project provides funding for master planning of the Emergency Services Academy (ESA) located in Duncan, South Carolina. The ESA is an eighteen (18) acre facility that provides training for Emergency Response Agencies throughout Spartanburg County. The master planning process will address usage and needs, and identify deficiencies of the current facility.

**8. Technology**

- A. **800 MHz Radio Replacement (FY 08):** This project will replace many of the 800MHz radios in use by the Spartanburg County Sheriff's Office. A grant from the United States Department of Justice, Office of Community Oriented Policing Services (COPS) Interoperable Communications Technology has been awarded to provide seventy five percent (75%) of the funding. The County must provide a twenty-five percent (25%) match for this grant.
- B. **Voice Logging System Replacement (FY 08):** This system records all voice telephone and radio communications in the communications center. The voice logging system is used by 9-1-1 personnel for research of complaints, quality control, judicial proceedings, and training. A voice logging system is required by the state 9-1-1 statute.
- C. **CAD and EMD Software Integration (FY 08):** This project will integrate Emergency Medical Dispatch (EMD) pre-arrival instructions with the Communication Center Computer Aided Dispatch (CAD) system, located at 461 E. Main Street.
- D. **9-1-1 System and CPE Upgrade and Replacement (FY 08-12):** The 9-1-1 System and Call Processing Equipment (CPE) is the primary hardware for operations of the 9-1-1 system. The hardware and software upgrade and or replacement of the 9-1-1 System and CPE is scheduled every five (5) years to accommodate changing technology.
- E. ~~Main Detention Facility Phone System (FY 09): The Spartanburg County Detention Facility is located at 950 California Avenue and was opened in July, 1994. The main telephone switchboard is scheduled for replacement, as annual maintenance costs associated with the system are beginning to rise due to the age of the system.~~ ***This project has been removed from the Capital Improvement Plan. Funding was identified in FY 07 to complete this project.***
- F. 9-1-1 Mobile Data Infrastructure (FY 10): This project will provide the necessary infrastructure for mobile data in emergency services in Spartanburg County. Mobile data allows emergency personnel in the field to view critical data from the 9-1-1 Communications Center Computer Aided Dispatch (CAD) system.
- G. Computer Aided Dispatch System Replacement (FY 10-14): This project request replaces the Computer Aided Dispatch (CAD) System hardware and software. The previous system replacement occurred in October 2003 and should be replaced every six (6) to seven (7) years. There will be two additional \$130,000 payments for this project in FY 13 and FY 14.
- H. **County Network Infrastructure Upgrade and Replacement (FY 08 – Ongoing):** This project will provide network components associated with maintaining and keeping current the county's level of information sharing and data capacity.

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- I. **County Services and Software Infrastructure and Upgrade and Replacement (FY 08 – Ongoing):** This project will provide software infrastructure upgrades and replacements associated with maintaining and keeping current the county's level of information sharing and data capacity.

9. **Vehicle and Capital Equipment Replacement**

- A. **General Fund Vehicle and Capital Equipment Replacement (FY 08 – Ongoing):** Replacement of General Fund vehicles and capital equipment based on an annual replacement schedule. The Spartanburg County Sheriff's Office, Roads and Bridges, and all other General Fund departments are included in this project. **Funding is reduced from \$1,632,618 to \$1,475,014 for this project based on revised replacement schedules. The reduction is in the General Fund Vehicle and Capital Equipment Replacement Reserve revenues. Expenditures include: Sheriff's Office (\$675,014); Roads and Bridges (\$450,000); and all other General Fund Departments (\$350,000). A detailed schedule of all vehicles and capital equipment to be replaced can be found on page 275.**



- B. **Solid Waste Vehicle and Capital Equipment Replacement (FY 08 – Ongoing):** Replacement of Solid Waste vehicles and capital equipment based on an annual replacement schedule. **Funding is increased \$3,200 from \$461,000 to \$464,200 based on a revised replacement schedule. The increase in revenues will come from the Solid Waste Fund Vehicle and Capital Equipment Replacement Reserve. Expenditures include: Landfills (\$409,600); and Environmental Enforcement (\$54,600). A detailed schedule of all vehicles and capital equipment to be replaced can be found on page 275.**

10. **Parks and Recreation**

- A. **Miscellaneous Parks and Recreation Improvements (FY 08):** This project request involves four (4) improvement projects (**total funding increases from \$115,000 to \$165,000**):
- i. Design, purchase and installation of an audio/visual equipment package at a cost of approximately \$15,000 for the lower level of the main building at Cleveland Park. **Some equipment was purchased in FY 07, reducing the cost of FY 08 expenditures from \$45,000 to \$15,000.**
  - ii. Installation of security and surveillance camera systems at Parks and Recreation maintenance compounds. Equipment and installation at three sites will cost approximately \$40,000.
  - iii. Installation of fencing at Va-Du-Mar Park to secure athletic fields, at a cost of approximately \$30,000.
  - iv. **Tennis court resurfacing is budgeted at \$30,000. This project will remediate potential safety issues on the tennis courts at Beach Springs Park.**
  - v. **Replacement of the gym floor at T.W. Edwards Center in Pacolet (\$50,000). This project will remediate potential safety issues at the Center.**
- B. **Parks and Recreation Vehicle and Capital Equipment Replacement (FY 08 – Ongoing):** Replacement of Parks and Recreation vehicles and capital equipment based on an annual replacement schedule.
- C. **New Parks and Recreation buses (FY 08) – Purchase of two (2) buses for Parks and Recreation to transport program participants. This project was added in March 2007 per a request from the Parks and Recreation Commission to address transportation needs for various Parks and Recreation programs. Project costs are estimated at \$100,000, and will come from Parks and Recreation current revenues.**

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- D. Westside Park Phase I (FY 09-11): The Westside Park Phase I development consists of constructing infrastructure necessary to prepare the site for site amenities to be built in future phases (included as separate project requests.) Specifically, this includes grading, stormwater piping, road improvements, and other site work. The Westside Regional Park site is located off Reidville Road and bordered by Gano Road and Dillard Road.
  
- E. Westside Park Phase II (FY 10-12): The Westside Regional Park Phase II Development consists of constructing five (5) lighted youth baseball fields, parking facilities, and maintenance facilities. The first of two (2) restroom/concession structures will be included in this phase. This project would provide the first five (5) fields of a proposed thirteen (13)-field youth baseball/softball complex.
  
- F. New Cut Road Regional Park Phase I (FY 11): The New Cut Road Regional Park Phase I project consists of master planning the site to include engineering drafts and amenity layout necessary to prepare the site for site future construction phasing.
  
- G. Va-Du-Mar Park Phase II (FY 12 – TBD): This project (noted as Phase II) is designed to construct additional facilities for Va-Du-Mar Park, located off McMillan Road in Boiling Springs. Facilities and improvements include: maintenance building and fenced compound; restroom facilities; additional parking for the picnic shelter area; site lighting; and walking and hiking trails. Total project cost is estimated at \$1,977,000.