

**2005 Estimated Deferred Maintenance on Infrastructure Outside the Buildings**

Revised 9/21/05

<u>Institution</u>	<u>Infrastructure Project</u>	<u>Amount</u>
The Citadel	South campus booster pump repairs & new shed to protect system pumps	\$ 15,000
	High voltage transformer oil cleaning	\$ 20,000
	High voltage transformer testing/inspection	\$ 25,000
	Fence repairs – approx. 3000' x \$12 per foot	\$ 36,000
	Refinish 75,000 gallon elevated water tank	\$ 75,000
	Tree maintenance, removal, hazard pruning, replacement	\$ 75,000
	Steam pit replacement 6 @ \$20k	\$ 120,000
	Replace storm drains & structures -2,000' @ \$75/lf	\$ 150,000
	2000' sidewalk replacement - \$22.25/ per sq foot x 4' x 2000'	\$ 178,000
	Additional air cooled chiller for the central loop (replace failing Watts chiller)	\$ 250,000
	Replace 200,000 gallon above ground water tank	\$ 275,000
	Replace underground fire main lines - 2,000' @ \$125/lf	\$ 300,000
	Beach Property parking lot repairs	\$ 300,000
	Altman Center parking lot asphalt paving	\$ 400,000
	Lockwood field parking lot asphalt paving	\$ 400,000
	Campus parking lot repairs and resurfacing	\$ 500,000
	Remove & replace failing underground steam lines 2,000' @ \$1000/lf	\$ 2,000,000
	10 miles of road resurfacing - \$215k per mile x 10 miles =	\$ 2,150,000
	Boat Center dock replacement	\$ 2,500,000
		<b>TOTAL \$ 9,769,000</b>
Clemson	Roads (Asphalt)	5,016,875
	Curb & Gutter	212,117
	Walks/Hardscape	785,933
	Steam Distribution	17,439,500
	Potable Water	2,847,700
	Sanitary Sewer	2,543,153
	Electrical Distribution	13,333,986
	Chilled Water	3,243,875
	Storm Water	4,201,525
	Communications	2,500,000
	<b>TOTAL \$ 52,124,664</b>	
Coastal Carolina	Drainage	\$ 248,000
	Road/Parking Lot Repairs	\$ 530,000
	Sidewalk Repairs	\$ 210,000
	Sewer	\$ 111,000
	Lighting	\$ 75,000
	Electrical	\$ 637,000
	<b>TOTAL \$ 1,811,000</b>	
College of Charleston	Underground Steam & Chilled Water Lines	\$ 3,000,000
	Underground Electrical System	\$ 1,500,000
	<b>TOTAL \$ 4,500,000</b>	
Francis Marion	outdoor lighting fixtures and associated U/G circuitry	\$ 35,000
	vegetation over growth management	\$ 105,000
	repairs to stormwater collection and distribution system	\$ 235,000
	repairs to campus-wide emergency communication network for student assistance	\$ 30,000
	U/G chiller water pipe repairs & replacement for both discharge and return systems to/from central plant	\$ 160,000
	domestic hot water boiler replacement or major overhaul repairs located at central plant	\$ 165,000
	U/G hot water piping repairs & replacement for both discharge and return systems to/from central plant - closed loop side	\$ 80,000
	replace 2-emergency generators and ATS	\$ 55,000
	repair/re-surface track & field way	\$ 160,000
	parking lot surface replacement/major repair and associated striping; esp. lots H, A, D, & E which consists of 40% of campus available parking	\$ 1,600,000
	grounds irrigation system distribution & pumping systems	\$ 65,000
	U/G sanitary sewer system piping replacement/repairs	\$ 185,000
	security fence repairs	\$ 10,000
	U/G communication system repairs and/or replacement; includes both data & voice components	\$ 81,000
	information & traffic signage	\$ 45,000
	athletic field lighting maintenance	\$ 88,000
	outdoor bleacher repairs and/or replacement	\$ 35,000

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	outdoor area security surveillance repairs; includes U/G wiring network, cameras, and monitors	\$ 40,000
	roadway surface and curb-n-gutter pavement repairs	\$ 225,000
	pedestrian sidewalk repairs	\$ 85,000
	U/G natural gas piping system maintenance	\$ 42,000
	Lake maintenance; esp. spillway & drain gate repairs	\$ 135,000
	Potable water system repairs	\$ 35,000
	Repairs to masonry retaining walls	\$ 35,000
	<b>TOTAL</b>	<b>\$ 3,731,000</b>
MUSC	Steam Lines	\$ 112,500
	Chilled Water Lines	\$ 480,000
	Water Lines	\$ 60,000
	Electrical System	\$ 1,600,000
	Roads (Sabin Street)	\$ 54,000
	Sidewalks/Horseshoe	\$ 187,500
	Paved Parking Lots	\$ 337,500
	Unpaved Parking Lots	\$ 140,000
	<b>TOTAL</b>	<b>\$ 2,971,500</b>
USC-Columbia	Utility Infrastructure	\$ 42,847,652
	Storm/Sanitary Sewer	\$ 7,000,000
	Exterior Lighting	\$ 3,000,000
	Sidewalks	\$ 5,000,000
	Roadways and Curbing	\$ 3,000,000
	<b>CAMPUS TOTAL</b>	<b>\$ 60,847,652</b>
USC-School of Medicine	School of Medicine Parking Lot Paving	\$ 126,000
	<b>CAMPUS TOTAL</b>	<b>\$ 126,000</b>
USC-Aiken	Roads and Parking	\$ 90,000
	Concrete Drives/Parking	\$ 35,000
	Exterior Lighting	\$ 20,000
	Storm Water Management/ Erosion Abatement	\$ 20,000
	Sanitary Systems	\$ 30,000
	High Voltage Electrical	\$ 15,000
	Irrigation/ Wells	\$ 85,000
	<b>CAMPUS TOTAL</b>	<b>\$ 295,000</b>
USC-Beaufort	Exterior Lighting	\$ 35,000
	Parking Lot	\$ 125,000
	<b>CAMPUS TOTAL</b>	<b>\$ 160,000</b>
USC-Upstate	Water Lines	\$ 120,000
	Sewer Lines	\$ 65,000
	Stormwater	\$ 55,000
	Electrical Power	\$ 290,000
	Roads	\$ 50,000
	Parking Lots	\$ 410,000
	Sidewalks	\$ 70,000
	Exterior Lighting	\$ 75,000
	Irrigation	\$ 45,000
	Retaining Wall	\$ 10,000
	<b>CAMPUS TOTAL</b>	<b>\$ 1,190,000</b>
USC-Lancaster	Parking	\$ 1,000,000
	Sidewalks	\$ 250,000
	<b>CAMPUS TOTAL</b>	<b>\$ 1,250,000</b>
USC-Salkehatchie	None Reported	
USC-Sumter	Parking Lot	\$ 250,000
	<b>CAMPUS TOTAL</b>	<b>\$ 250,000</b>
USC-Union	No Response	
	<b>USC-SYSTEM TOTAL</b>	<b>\$ 64,118,652</b>
Winthrop	Campus steam distribution system and condensate return	\$ 1,300,000
	Central campus stormwater system repairs and replacement where needed	\$ 875,000
	High voltage final cable replacement	\$ 925,000
	Domestic water distribution system	\$ 325,000
	Sidewalk repair and replacement where damaged (10 miles of sidewalk on campus)	\$ 125,000
	Repair and replace where needed outdated circuits outdoor campus lighting	\$ 175,000

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	Campus fire alarm DC system loop - repair/replace	\$ 425,000
	Repair/repave damaged parking lots (approximately 9 parking lots)	\$ 400,000
	Sanitary sewer repair/replacement of piping in manholes	\$ 300,000
	Repair/replace piping on existing fire protection system	\$ 200,000
	<b>TOTAL</b>	<b>\$ 5,050,000</b>
Aiken Tech	Specific Information Not Provided	\$ 355,000
	<b>TOTAL</b>	<b>\$ 355,000</b>
Central Carolina Tech	Specific Information Not Provided	\$ 200,000
	<b>TOTAL</b>	<b>\$ 200,000</b>
Denmark Tech	Specific Information Not Provided	\$ 514,580
	<b>TOTAL</b>	<b>\$ 514,580</b>
Orangeburg-Calhoun Tech	Specific Information Not Provided	\$ 358,000
	<b>TOTAL</b>	<b>\$ 358,000</b>
Piedmont Tech	Specific Information Not Provided	\$ -
	<b>TOTAL</b>	<b>\$ -</b>
Spartanburg Tech	Walkway w/Guardrail West Prkg Lot to HSB	\$ 20,000
	Walkway East Prkg Lot to East Bldg	\$ 7,700
	New Parking Lot (200 Spaces)	\$ 200,000
	Ledbetter Re-Asphalt/Stripe Parking Lot	\$ 40,000
	Resurface Perimeter Drive 4-way to CEP	\$ 14,825
	Resurface Horticulture Drive & Parking Lot	\$ 8,800
	East / West Bldgs sidewalk and curbing repairs	\$ 42,000
	West / LRC & ITF Light Pole Fixtures Upgrade	\$ 30,100
	Campus Parking and Drive Re-Marking	\$ 17,800
	New Campus Entrance at New Cut Road	\$ 100,000
	Creek Erosion Ctrl at Horticulture Gardens	\$ 75,000
	Replace Chill Water Lines (West to Ledbetter)	\$ 155,000
	Brick veneer exterior walls for Ledbetter, East, West, Gaines, ITF Bldgs	
		Ledbetter \$ 340,000
		East \$ 220,000
		West \$ 365,000
		Gaines \$ 145,000
		ITF \$ 165,000
	Install french drains around West Building (indoor air quality improvement)	\$ 50,000
	<b>TOTAL</b>	<b>\$ 1,996,225</b>
Tri-County Tech	Sidewalks	\$ 225,000
	Outside Lighting	\$ 75,000
	Paving	\$ 500,000
	<b>TOTAL</b>	<b>\$ 800,000</b>
Trident Tech	Berkeley Campus - Repave & Remark Parking Lots and Roads (40,000 Sq.Yds.)	\$ 250,000
	Berkeley Campus - Replace Parking Lot Pedestrian Bridges	\$ 187,500
	Main Campus - Upgrade Main Electrical Service Entrance	\$ 312,500
	Main Campus - Top Coat Parking Lots & Roads	\$ 375,000
	Main Campus - Upgrade Building 900/940/950 Sanitary Sewer	\$ 125,000
	Main Campus - Repair of Sidewalks to Remove Tripping Hazards	\$ 63,500
	Main campus - Restore Storm Drainage B200/500/510 Area	\$ 93,750
	Main Campus - Upgrade Parking Lot Lighting B910/920/930	\$ 250,000
	Main Campus - Replace Underground Electrical Feeders B100/200/300/500/700/800	\$ 625,000
	Main Campus - Repair Fire Water Backflow Preventer	\$ 12,500
	Palmer Campus - Top Coat Parking Lot	\$ 125,000
	<b>TOTAL</b>	<b>\$ 2,419,750</b>
Williamsburg Tech	Sidewalks	\$ 75,500
	Paving	\$ 150,000
	Outside Lighting	\$ 45,000
	<b>TOTAL</b>	<b>\$ 270,500</b>
	<b>GRAND TOTAL</b>	<b>\$ 150,989,871</b>