

**St Charles Parish
Dept of Public Works/Wastewater
Long Range Plan**

	Budget 2008	2009	2010	2011	2012	2013	Total 2009 - 2013
ROADS							
2008 Budget Projects	\$3,623,903						
Total Paved Streets, Sidewalks, LCDBG		\$980,000	\$930,000	\$930,000	\$980,000	\$930,000	
Total Roads	\$3,623,903	\$980,000	\$930,000	\$930,000	\$980,000	\$930,000	\$4,750,000
DRAINAGE							
2008 Budget Projects	\$16,983,818						
East Bank LRP		\$21,051,864	\$14,795,450	\$8,578,950	\$5,078,950	\$4,778,950	
West Bank LRP		\$21,227,700	\$13,187,700	\$11,517,700	\$8,477,700	\$8,477,700	
Total Drainage	\$16,983,818	\$42,279,564	\$27,983,150	\$20,096,650	\$13,556,650	\$13,256,650	\$117,172,664
WASTEWATER							
2008 Budget Projects	\$2,005,582						
East Bank LRP		\$3,835,000	\$1,040,000	\$1,040,000	\$1,040,000	\$1,040,000	
West Bank LRP		\$8,877,000	\$11,040,000	\$6,040,000	\$1,040,000	\$1,040,000	
Total Wastewater	\$2,005,582	\$12,712,000	\$12,080,000	\$7,080,000	\$2,080,000	\$2,080,000	\$36,032,000
TOTAL PUBLIC WORKS/WASTEWATER LRP	\$22,613,303	\$55,971,564	\$40,993,150	\$28,106,650	\$16,616,650	\$16,266,650	\$157,954,664
Des Allemands Floodwall - Phase I. This is a conceptual design estimate that is not based on surveying or geotechnical engineering data. Final cost could be substantially different		\$4,904,000					
Des Allemands Floodwall - Phase II. This is a conceptual design estimate that is not based on surveying or geotechnical engineering data. Final cost could be substantially different		\$6,067,000					
WB Hurricane Levee Control Structures	\$10,053,891						
Magnolia Ridge Pumping Station		\$8,250,000	\$8,250,000				
West Bank Hurrican Levee Phase II & III - permitting, engineering, surveying, property acquisition. Does not include construction cost		\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	
West Bank 100yr Levee - Jefferson Parish to Davis Diversion - SCP portion				\$750,000	\$750,000	\$750,000	
East Bank 100yr Levee - SCP portion				\$1,000,000	\$1,000,000	\$1,000,000	
TOTAL MAJOR FLOOD CONTROL PROJECTS	\$10,053,891	\$20,721,000	\$9,750,000	\$3,250,000	\$3,250,000	\$3,250,000	\$40,221,000

Priority
 1 Must Do(critical safety or transportation issue impacting large areas)
 2 Highly recommended(transportation areas that need improvement)

St Charles Parish Dept of Public Works Roads Long Range Plan

	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
2008 BUDGET PROJECTS								
East/West Bank Bike/Pedestrian Paths	1	\$935,000	\$1,069,503					
LCDBG East Bank Street Improvements		\$406,491	\$503,000					
Three Year Road Maintenance Program (2008)	1		\$1,206,400					
	1	\$802,750	845000					
Total 2008 Budget Projects		\$2,144,241	\$3,623,903					
Transportation								
Paved Streets								
Road Maintenance Program	1			\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
Road Maintenance Manual Update	2			\$50,000			\$50,000	
East Guide Levee Road from Hwy. 61 to Lake Pontchartrain - substandard road needs constant grading and limestone replacement. 100 trucks per year @ \$40/CU YD	2			\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Sidewalks								
LCDBG Overlay								
Total Paved Streets, Sidewalks, LCDBG LRP				\$980,000	\$930,000	\$930,000	\$980,000	\$930,000

Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
2008 BUDGET PROJECTS									
Ama PS Bar Screen Cleaner and Deck	Final design complete	1		\$1,786,214					
Boutte Pump Station - Purchase Two (2) 24 Inch Pumps	Replace 25 yr old pumps that are near failure and are no longer repairable	1		\$130,000					
Cousins Pump Station Bar Screen Cleaner and Deck	Final design complete. Waiting on response from engineer on possible cost reduction. Grant application - state review comp now under FEMA review	1	\$750,000	\$3,860,796					
Destrehan Drive Jack and Bore	Waiting on permit from RR	1		\$244,666					
Dunleith Canal Phase VII	On going phase stabilization of canal bank	1		\$652,651					
Dunleith Canal Lot 10 (Sheet Pile Wall)	Canal bank failure and encroaching on private property	1		\$99,303					
Flex Rake Bar Screen Cleaners (Davis/Barton Kellogg)	Project completed in 2007	1		\$828,880					
Lakewood Drive Sound Proof Covers	Project cancelled	2		\$170,000					
Maryland Drive Bridge Crossing	Culvert collapsing. This is a high priority project final design near completion	1		\$576,416					
Master Drainage Plan - East Bank	Update current Master Drainage plan developed in 1994	1		\$500,000					
Master Drainage Plan - West Bank	Update current Master Drainage plan developed in 1994	1		\$500,000					
Montz Drainage Improvements (Evangeline Road)	Recommendation C in the priority 1 list from the Montz Master Drainage Plan. Grant approved	1	\$142,800	\$313,600					
New Sarpy Pump Station - Purchase of One (1) 36 in Pump/Combo Drive	Replace 25 yr old pumps that are near failure and are no longer repairable	1		\$92,000					
Paradis Pump Station Bar Screen Cleaner/Cover/Deck	Preliminary design complete. Grant Approved	1	\$562,500	\$851,738					

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 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
2008 BUDGET PROJECTS									
Schexnayder Pump Station Bar Screen Cleaner and Deck	Final design complete. Grant application - state review comp now under FEMA review	1	\$450,000	\$1,375,792					
Walker Pump Station Bar Screen Cleaner and Deck	Final design complete. On hold until we understand the impact of COE project to upgrade east bank hurricane levee and associated new pump stations	2		\$1,220,184					
Willowdale Canal Bank Stabilization	On going phase stabilization of canal bank	1		\$1,501,578					
Total 2008 Budget Projects			\$1,905,300	\$14,703,818					
EAST BANK LRP									
Grants									
New Sarpy deck, cover, bar screen	Requested to include in 2009 Congressional Appropriations								
Dianne deck, cover bar screen	Requested to include in 2009 Congressional Appropriations								
Pump station covers - Oakland, Fairfield, Oak St, 4th St	Requested to include in 2009 Congressional Appropriations								
Master Drainage Plan Update	Requested to include in 2009 Congressional Appropriations								
Historical equipment replacement - excluding pump stations	Historical experience in annual replacement of items like excavators, trucks, and other support related items	1		\$1,140,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000

Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
EAST BANK LRP									
Clean out ditches - these dollars are estimated using outside SCP sources to clean ditches	Ditches have not been cleaned in over 10 years. Routine maintenance of the ditches is essential to keeping our pumping system at 100% capacity. 780,000 LF(147.7 miles) of ditches. Clean out 20% of total each year. Estimate to clean \$3/LF	1			\$468,000	\$468,000	\$468,000	\$468,000	\$468,000
Culverts - these dollars are estimated using outside SCP sources to clean and replace culverts	Culverts have not been cleaned in over 10 years. Routine maintenance of the culverts is essential to keeping our pumping system at 100% capacity. 260,000 LF(49.2 miles) of culverts.								
Clean	247,000 LF(46.7 miles). Clean out 20% each year. Estimate to clean \$2/LF	1			\$98,800	\$98,800	\$98,800	\$98,800	\$98,800
Replace	Replace 5%(13,000 LF) each year. \$80/LF using 20ft long 24in CMP	1			\$1,040,000	\$1,040,000	\$1,040,000	\$1,040,000	\$1,040,000
Clean major conveyance and outfall canals - these dollars are based on completing work using PW personnel and equipment	89,760 LF(17miles) of outfall canals. Routine maintenance of these canals is essential to keeping our pumping stations at 100% pumping capacity. As the parish grows, ponding areas are reduced and pumping capacity and conveyance becomes critical to preventing flooding.								
Permitting	Permitting will be accomplished using a consultant	1			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Clean out cost	Crew cost is \$5500/mile. Clean out 50% each year	1			\$46,750	\$46,750	\$46,750	\$46,750	\$46,750

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 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
EAST BANK LRP									
Canal stabilizations									
	Canal degradation causes undermining of streets and egress onto private property. We loose existing servitudes and can not maintain the canals.								
Dunleith canal bank stabilization	On going phase stabilization of canal bank	1			\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Repair to Cotton Canal levee	On going phase stabilization of canal bank	2			\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Large area drainage improvements									
Bar none subsurface drainage phase III	Continuing subsurface installation in Bar None subdivision	2			\$330,000				
Bar None subsurface drainage phase IV - VI	Continuing subsurface installation in Bar None subdivision	2				\$300,000	\$300,000	\$300,000	
Delta drive jack and bore	Reduce flooding on River Bend area	1			\$228,844				
River bend jack and bore	Reduce flooding on River Bend area	1			\$491,070				
Canal A and Dunleith intersection upgrade	Correct erosion problems at the intersection	2			\$250,000				
Canal A and Carriage intersection upgrade	Correct erosion problems at the intersection	2			\$150,000				
Ormond drainage impv near nursing home	Canal from Hill Heights to nursing home	2			\$200,000				
Oakland jack and bore	Improve outflow from these pump stations	2				\$150,000			
Fairfield jack and bore	Improve outflow from these pump stations	2				\$150,000			
KCS @ Engrs canal jack and bore replacement	Jack and bores are collapsing	1			\$400,000	\$400,000			
Dunleith Gabion repairs	stabilization improvements	1			\$500,000	\$250,000	\$250,000		
Increase inflow to Trepangier pump station	Widen engrs canal from Airline to Trepangier, servitudes, additional jack and bore under Airline	2			\$1,000,000	\$1,000,000	\$1,000,000		
Fairfield subdivision drainage improvements	May require new servitude	2			\$100,000				
Oaklawn Subdivision 2800 ft swale/ditch	Improve drainage for Oaklawn subdivision	2			\$200,000				
Subsurface the remainder of Ormond Oaks Drainage Ditch and enclose laterals	Continue subsurfacing of Ormond Oaks servitude and enclose laterals from Ormond watershed	2			\$2,000,000	\$1,500,000	\$1,500,000		

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	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
EAST BANK LRP									
Major drainage canal road crossing upgrades									
	Replace culverts that are failing								
Ormond blvd bridge	Failure of corrugated pipe	1			\$2,000,000				
Historical	Failure of corrugated pipe	1				\$100,000	\$100,000	\$100,000	\$100,000
Upgrade existing pump stations - excluding installation of automatic bar screen cleaners									
Destrehan I engine upgrade	Replace 40 yr old nat gas engines that are near failure	1			\$300,000				
Almedia rd	Currently temporary. Will determine if needed after COE design of east bank hurricane levee	1				\$750,000	\$750,000		
New Sarpy	Electrical upgrade of old elec gear that is unrepairable. Install station cover	1			\$100,000				
4th street deck raising	Station elevation too low	2			\$200,000				
Oak street deck raising	Station elevation too low	2			\$400,000				
Fuel tank upgrades	Install double wall fuel tanks as required by regulation	1			\$50,000				
Electric control panels	Upgrade old elect panels and gear that in unrepairable. Many of these items are very old, corroded, and obsolete	2			\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Emergency generators & transfer switch	Install back up generators and auto transfer switches on pump station	1			\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Pump station covers	Oakland, Fairfield, Oak St, 4th St	2			\$1,035,000				
Turtle pond upgrade	Complete station rebuild	1			\$1,500,000				
Fairfield upgrade	Complete station rebuild	2				\$1,000,000			
Oakland upgrade	Complete station rebuild	2				\$1,000,000			
Dianne engine upgrade	Convert from propane to diesel	2				\$100,000			

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EAST BANK LRP									
Upgrade existing pump stations - New automatic bar screen cleaners	Cleaning bar screens on pump stations without auto cleaners is extremely dangerous and has to be performed under adverse weather conditions. Auto cleaners will keep pumps operating at 100% capacity. As the parish grows and ponding areas are reduced maintaining 100% pumping capacity becomes critical to preventing flooding.								
Engineer's Canal		1			\$564,000	\$1,316,000			
New Sarpy		1			\$492,000	\$1,148,000			
Dianne		1				\$750,000			
New Pump Stations									
River Bend Drive	May require land purchase or servitude acquisition	1			\$1,250,000				
Telemetry - these dollars are estimated using outside engineering and consultants and does not include any future COE pump stations	Installing telemetry capability on pump stations through out the parish to improve control and operation of pumps. As the parish grows and ponding areas are reduced maintaining 100% pumping capacity becomes critical to preventing flooding. Install at the following stations - Engineers, Walker, 4th St, Oakland, NOLA, Oak St	1							
					\$235,400	\$235,400	\$235,400	\$235,400	\$235,400
Montz Master Drainage Plan									
Re-align and improve Coulee canal	Priority 1 ~2400lf. Purchase servitude required	1			\$568,000				
Extend Coulee canal from trestle #1 on ICG to KCS	Priority 1 ~4900lf	1			\$750,000				

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 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013	
EAST BANK LRP										
Replace existing 30in RCP under Thoroughbred Ln with 2 48in RCP	Priority 1	1			\$111,000					
Replace 2-48in CMP under Evangeline with 2-60in RCP	Priority 1	1			\$433,000					
Cleanout culverts to get flow from west to Trestles 1&2	Priority 2	2			\$5,000					
Clear & Snag ICG canal	Priority 2 ~200lf	2				\$50,500				
Clear & Snag CC Canal	Priority 2 ~5300lf	2				\$95,500				
Improve KCS Canal from Cristina to main trestle	Priority 2	2				\$56,500				
Clear & Snag Scott canal from Airline to Lake Pontchartrain	Priority 2 permit needed	2			\$280,000					
Misc Items										
Correct drainage problem in front Family Dollar, Library, and new church		1			\$200,000					
Correct drainage problems in Ormond- waters around the golf course.		2			\$50,000					
CC road-Norco south	Waiting on permits	2			\$10,000					
Canal West of Spillway	Waiting on permits	2			\$40,000					
Sub surface east side of Van's Lane	Roadway substandard and being undermined.	2			\$85,000					
Extend jack & bores at Murry Hill Ln	RR ballast is blocking the pipe	1			\$100,000					
Storm Water Permits										
Phase I	Currently SCP is under a MS4 permit. Consulting work needed to maintain compliance	1			\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
Phase II	SCP may be moved into phase II urban storm water permitting.	1			\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
Total East Bank LRP					\$1,140,000	\$21,051,864	\$14,795,450	\$8,578,950	\$5,078,950	\$4,778,950

Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Grants									
	Lakewood deck, cover, bar screen		Requested to include in 2009 Congressional Appropriations						
	80 Arpent deck, bar screen		Requested to include in 2009 Congressional Appropriations						
	Boutte PS rehabilitation		Requested to include in 2009 Congressional Appropriations						
	Cotrez deck, cover, bar screen		Requested to include in 2009 Congressional Appropriations						
	Randolph deck, cover, bar screen		Requested to include in 2009 Congressional Appropriations						
	Tippy deck, cover, bar screen, and rehab equip		Requested to include in 2009 Congressional Appropriations						
	Pump station control panel covers - Barton, Davis, Erick, Tunnel, NOLA		Requested to include in 2009 Congressional Appropriations						
	Pump station covers - Lagatutta, Coronado		Requested to include in 2009 Congressional Appropriations						
	Master Drainage Plan Update		Requested to include in 2009 Congressional Appropriations						
	Historical equipment replacement - excluding pump stations		Historical experience in annual replacement of items like excavators, trucks, and other small support related items						
		1		\$1,140,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000

Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Clean out ditches - these dollars are estimated using outside SCP sources to clean ditches	Ditches have not been cleaned in over 10 years. Routine maintenance of the ditches is essential to keeping our pumping system at 100% capacity. 780,000 LF(147.7 miles) of ditches. Clean out 20% of total each year. Estimate to clean \$3/LF	1			\$468,000	\$468,000	\$468,000	\$468,000	\$468,000
Culverts - these dollars are estimated using outside SCP sources to clean and replace culverts	Culverts have not been cleaned in over 10 years. Routine maintenance of the culverts is essential to keeping our pumping system at 100% capacity. 260,000 LF(49.2 miles) of culverts.								
Clean	247,000 LF(46.7 miles). Clean out 20% each year. Estimate to clean \$2/LF	1			\$98,800	\$98,800	\$98,800	\$98,800	\$98,800
Replace	Replace 5%(13,000 LF) each year. \$80/LF using 20ft long 24in CMP	1			\$1,040,000	\$1,040,000	\$1,040,000	\$1,040,000	\$1,040,000
Clean major conveyance and outfall canals - these dollars are based on completing work using PW personnel and equipment	190,080 LF(36 miles) of outfall canals. Routine maintenance of these canals is essential to keeping our pumping stations at 100% pumping capacity. As the parish grows, ponding areas are reduced and pumping capacity and conveyance becomes critical to preventing flooding.								
Permitting	Permitting will be accomplished using a consultant	1			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Clean out cost	Crew cost is \$5500/mile. Clean out 50% each year	1			\$99,000	\$99,000	\$99,000	\$99,000	\$99,000

Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Canal stabilization									
	Canal degradation causes undermining of streets and egress onto private property. We loose existing servitudes and can not maintain the canals.								
Lagattuta		1			\$750,000	\$750,000	\$750,000	\$750,000	\$750,000
Willowdale PS bank stabilization		1			\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Blouin stabilization		1			\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Primrose stabilization		1				\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Large drainage improvements									
Hahn street subsurface		2			\$350,000				
Canal 10 Drainage Improvements	Recommendations from darinage analysis in 3 phases. Includes Michael dr.	1			\$900,000	\$920,000	\$540,000		
Willowdale box culvert enhancement		1			\$415,000				
Coronado subdivision	Major drainage improvements are needed for this subdivision	1			\$400,000	\$200,000			
Rebuild Mozella ring levee	Major tree and shrub growth on levee	2							
Major drainage canal road crossing upgrades									
	Replace culverts that are failing								
Historical		1			\$290,000	\$290,000	\$290,000	\$290,000	\$290,000
Upgrade existing pumping stations - excluding installation of new automatic bar screen cleaners									
80 Arpent Pump Station	Foundation and surrounding land area needs repair. Also includes installation of a hoist and pump rebuilds. Per 1994 Master Drainage Plan, PS capacity needs to be increased from 620 to 1531 cfs.	1				\$2,500,000			

- Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Lakewood School pump station	Pump is near failure and can no longer be repaired	1			\$100,000				
Erick's Pump Station Relocation	Relocation and a larger pump is needed because it is now on private property. Significant interferences - sewer, water, fiber lines	2			\$100,000				
Fuel tank upgrades	Install double wall fuel tanks as required by regulation	1			\$50,000				
Electric control panels	Upgrade old elect panels and gear that in unrepairable. Many of these items are very old, corroded, and obsolete	2			\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Emergency generators & transfer switch	Install back up generators and auto transfer switches on pump station	1			\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Pump station covers	Lagatutta, Coronado	2			\$1,035,000				
Tippy replace diesel engines	Engine upgrade	1			\$100,000				
Coronado station upgrades	Pump and conveyance improvements needed to increase capacity	1			\$500,000				
Old Kellog upgrade	Upgrade station	2			\$250,000				
Boutte PS rehabilitation	Pump is near failure and can no longer be repaired. Foundation is near colapse	1			\$450,000				
Upgrade existing pumping stations - New automatic bar screen cleaners	Cleaning bar screens on pump stations without auto cleaners is extremely dangerous and has to be performed under adverse weather conditions. Auto cleaners will keep pumps operationg at 100% capacity. As the parish grows and ponding areas are reduced maintaining 100% pumping capacity becomes critical to preventing flooding.								
Tippy		1			\$1,100,000				
Lakewood		1			\$2,000,000				

Priority
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 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
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 Drainage Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Eighty Arpent	Critical to maintain max capacity!!! Current capacity is 620 cfs, 1994 Master Drainage Plan recommended incr to 1531 cfs(pre Ashton).	1			\$4,000,000				
Boutte		1				\$450,000			
Cortez		1				\$220,000			
Randolph		1				\$220,000			
NOLA		1				\$200,000			
New Pump Stations									
Hymel-3127	Required for future sub division development in this area	1				\$2,500,000	\$2,500,000		
New Bayou Gauche Station	Cost or need has not been determined sufficiently to add dollars to the LRP	1							
Telemetry - these dollars are estimated using outside engineering and consultants and does not include any future COE pump stations	Installing telemetry capability on pump stations through out the parish to improve control and operation of pumps. As the parish grows and ponding areas are reduced maintaining 100% pumping capacity becomes critical to preventing flooding. Installation at the following stations - Paradis, Lagattuta, Lakewood, Boutte	1				\$141,900	\$141,900	\$141,900	\$141,900
Misc Items									
Correct drainage problem in Des Allemands- Up the Bayou	Issue with permitting	2							
New location for west bank Public Works facility	Cost or need has not been determined sufficiently to add dollars to the LRP	2							
Davis drainage office	Sequire and cover equipment stored at this site	2							

Priority
 1 Must Do(critical safety or water conveyance issue impacting large areas)
 2 Highly recommended(water conveyance areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Drainage Long Range Plan**

			Budget						
	BRIEF DESCRIPTION	PRI	Grants	2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Storm Water Permits									
Phase I	Currently SCP is under a MS4 permit. Consulting work needed to maintain compliance	1			\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Phase II	SCP may be moved into phase II urban permitting	1			\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Total West Bank LRP				\$1,140,000	\$21,227,700	\$13,187,700	\$11,517,700	\$8,477,700	\$8,477,700

Priority
 1 Must Do(critical safety or waste water issue impacting large areas)
 2 Highly recommended(waste water areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Wastewater Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
2008 BUDGET PROJECTS									
Hahnville Plant Headworks (coating 75K, screen 275K)	Liner failure has resulted in major degradation of concrete. Based on closer inspection, the 2008 budget number is insufficient to cover the cost of concrete repairs. This estimate also includes repair to the screens. See Headworks repair Hahnville WWTP in West Bank LRP below	1		\$350,000					
Infiltration Repairs	On going repairs to reduce storm water infiltration into sewer system	1		\$200,000					
Six (6) Lift Station upgrades	Historical experience annual upgrade	1		\$180,000					
Destrehan Plant Headworks (coating 75K rpr 2 screens 60K))	Liner failure has resulted in major degradation of concrete. Based on closer inspection, the 2008 budget number is insufficient to cover the cost of concrete repairs. This estimate also includes repair to the screens. See Headworks repair Destrehan WWTP in East Bank LRP below	1		\$135,000					
Destrehan Plant Traveling Belt Screens	This screen is being purchased to allow use of the headworks bypass system and is critical to keeping the treatment plant on line while repairs to the headworks are completed	1		\$270,000					
Total 2008 Budget Projects				\$1,135,000					
EAST BANK LRP									
Grants									
Lift Station Upgrades	Requested to include in 2009 Congressional Appropriations								

Priority
 1 Must Do(critical safety or waste water issue impacting large areas)
 2 Highly recommended(waste water areas that need improvement)

**St Charles Parish
 Dept of Public Works
 Wastewater Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
EAST BANK LRP									
Destrehan WWTP Headworks Repair	Requested to include in 2009 Congressional Appropriations								
Lift Station Upgrades									
CC1		1			\$300,000				
4th St Odor Control	Prevent corrosion from H2S	1			\$80,000				
Historical LS upgrades	Historical experience is 3 upgrades per year. Upgrading is required to replace old, corroded equipment that can no longer be repaired.	1			\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
LS pump replacement	Historical experience in annual LS pump replacement. Upgrading is required to replace old, corroded equipment that can no longer be repaired.	1			\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Norco Odor Control	Prevent corrosion from H2S	1			\$80,000				
Montz	Prevent corrosion from H2S	1			\$100,000				
Sewer Infiltration Repairs	On going repairs to reduce storm water infiltration into sewer system	1			\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Historical Equipment Replacement	Historical experience in annual replacement of items like excavators, trucks, and other support related items	1		\$115,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Telemetry - these dollars are estimated using outside engineering and consultants	Installing telemetry capability on lift stations through out the parish to improve control, reduce malfunctions, and maintain regulatory compliance	1			\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Destrehan WWTP									

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**St Charles Parish
 Dept of Public Works
 Wastewater Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
EAST BANK LRP									
Headworks repair - concrete	Liner failure has resulted in major degradation of concrete. The 2008 budget estimate is insufficient to cover these repairs and is in addition to the 2008 budget	1			\$1,000,000				
Influent sump repairs	Liner failure has resulted in major degradation of concrete. This will be a very complex project because there is no bypass capability installed. A complete bypass system will be required to keep the treatment plant on line while repairs are completed	1			\$1,000,000				
New Blowers	Historical experience in annual blower replacements	1			\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Process control and analytical equip		1			\$30,000				
H2S Control	This project is essential to prevent damage to headworks and sump liner/concrete once repairs are complete	1			\$150,000				
Clarifier Launderers	Replace coating that has deteriorated	1			\$40,000				
Shredder pump for gravity belt		2			\$15,000				
CMOM	Regulatory compliance	1			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Total East Bank LRP				\$115,000	\$3,835,000	\$1,040,000	\$1,040,000	\$1,040,000	\$1,040,000
WEST BANK LRP									
Grants									
Lift Station Upgrades	Requested to include in 2009 Congressional Appropriations								

Priority
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St Charles Parish Dept of Public Works Wastewater Long Range Plan

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Hahnville WWTP Headworks Repair	Requested to include in 2009 Congressional Appropriations								
Lift Station Upgrade									
St John LS		1			\$160,000				
Historical LS upgrades	Historical experience is 3 upgrades per year. Upgrading is required to replace old, corroded equipment that can no longer be repaired.	1			\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
LS pump replacement	Historical experience in annual LS pump replacement. Upgrading is required to replace old, corroded equipment that can no longer be repaired.	1			\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Holder transmission line to pond	Line is old and near failure. Replace existing line	1			\$400,000				
Beaupre LS and transmission line	This LS has a history of problems and needs immediate correction	1			\$1,000,000				
Holder LS - New	LS is old and near failure.	1			\$1,000,000				
New line from Bourg to 1st American Bank	Line is old and near failure. Replace existing line	1			\$300,000				
Sewer Infiltration Repairs									
	On going repairs to reduce storm water infiltration into sewer system	1			\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Historical Equipment Replacement									
	Historical experience in annual replacement of items like excavators, trucks, and other support related items	1		\$115,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

Priority
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St Charles Parish Dept of Public Works Wastewater Long Range Plan

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013
WEST BANK LRP									
Telemetry - these dollars are estimated using outside engineering and consultants	Installing telemetry capability on lift stations through out the parish to improve control, reduce malfunctions, and maintain regulatory compliance	1			\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Force main Kilona - 3127 Jail to Hahnville treatment plant		1			\$1,000,000				
Acorn and Sharon street sewer tie in	Tie into parish waste treatment and disconnect from septic tanks - 33 homes	1	\$532,428	\$640,582					
Hahnville WWTP									
Traveling Belt Screens	This screen is being purchased(similar to Destrehan) to allow use of the headworks bypass system and is critical to keeping the treatment plant on line while repairs to the headworks are completed	1			\$270,000				
Aeration basins	Repair top raceway on the aeration basins	1			\$352,000				
Headworks repair - concrete	Liner failure has resulted in major degradation of concrete. The 2008 budget estimate is insufficient to cover these repairs and is in addition to the 2008 budget	1			\$700,000				
Influent sump repairs	Liner failure has resulted in major degradation of concrete. This will be a very complex project because there is no bypass capability installed. A complete bypass system will be required to keep the treatment plant on line while repairs are completed	1			\$500,000				
New Blowers	Historical experience in annual blower replacements	1			\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Sound proof covers for blowers		2			\$75,000				

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**St Charles Parish
 Dept of Public Works
 Wastewater Long Range Plan**

	BRIEF DESCRIPTION	PRI	Grants	Budget 2008	2009	2010	2011	2012	2013	
WEST BANK LRP										
Clarifier Launderers	Replace coating that has deteriorated	1			\$40,000					
UV Sanitizer	Treat effluent to maintain permit compliance. Expand existing system	1			\$500,000					
H2S Control	This project is essential to prevent damage to headworks and sump liner/concrete. Early installation of this project may delay need to repair Hahnville headworks and sump until after Destrehan is complete	1			\$150,000					
Oxidation Pond										
Dredge oxidation pond	Solids level high. Need to remove to maintain capacity	1			\$300,000					
Levee limestone	Needed to control pond bank erosion	1			\$90,000					
Servitude acquisition - Ox Pond effluent	Need to acquire servitude for pond effluent to continue favorable discharge limits into wetlands	1			\$1,000,000					
New Treatment Plant - Paradis	Hahnville is currently at maximum capacity	1				\$10,000,000	\$5,000,000			
CMOM	Regulatory compliance	1			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
Total West Bank LRP					\$755,582	\$8,877,000	\$11,040,000	\$6,040,000	\$1,040,000	\$1,040,000