

WATER AND SEWER CAPITAL PROJECTS FUND

This fund is used to account for the capital outlays for the water and sewer system. Its revenues come from several sources. First, a transfer is made annually from the Water and Sewer Fund to finance some of the capital outlays. Second, any grants or Revolving Fund Loans from the state or federal governments for capital outlay would be accounted for here. Finally, the proceeds from any bonds, certificates of participation, capital leases or other debt instruments would be accounted for here. Appropriations from this fund for capital projects do not lapse at the end of a fiscal year. Those appropriations stay in place until the project is completed. A capital project ordinance can be amended by another capital project ordinance should the project cost change.

The following pages contain the six-year Capital Improvement Plan for the water and sewer system, taking this debt service schedule and the transfers from the Water and Sewer Fund into account. Barring unforeseen circumstances, these are the projects that we should be able to complete in this six-year period. The pages following that summary are more detailed explanations of each individual project.

Bear in mind that as you expand the water and sewer system, you will also increase the customer base, thereby increasing annual revenues. But, we have been conservative in these projections. The major issue affecting this fund, as noted in the Water and Sewer Fund, is the number of building permits which have a significant impact on water and sewer tap fees and capacity development fees. As residential and commercial construction rebounds, the revenues from these fees should correspondingly improve providing additional funding for capital projects or early repayment of debt.

**DEBT SERVICE REPAYMENT SCHEDULE
WATER AND SEWER FUND**

		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY2022
PROJECTED EXPENSES									
2004 Federal Revolving Loan \$387,438	Prin	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,784
Dated 5/1/06 – 5/1/22 2.66% Fixed Rate	Int	\$ 4,850	\$ 4,244	\$ 3,638	\$ 3,032	\$ 2,425	\$ 1,819	\$ 1,213	\$ 607
2004 Federal Revolving Loan \$520,430	Prin	\$ 30,614	\$ 30,614	\$ 30,614	\$ 30,614	\$ 30,614	\$ 30,614	\$ 30,614	\$ 30,608
Dated 5/1/06 – 5/1/22 2.66% Fixed Rate	Int	\$ 6,515	\$ 5,701	\$ 4,886	\$ 4,072	\$ 3,258	\$ 2,443	\$ 1,629	\$ 815
2007 Federal Revolving Loan \$2,295,067	Prin	\$ 135,004	\$ 135,004	\$ 135,004	\$ 135,004	\$ 135,004	\$ 135,004	\$ 135,004	\$ 135,004
Dated 11/1/07 – 5/1/24 2.66% Fixed Rate	Int	\$ 35,911	\$ 32,320	\$ 28,729	\$ 25,138	\$ 21,547	\$ 17,956	\$ 14,365	\$ 10,774
2009 Revolving Loan \$17,500,000	Prin	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000
Dated 7/31/10 – 5/1/30 2.48% Fixed Rate	Int	\$ 368,900	\$ 325,500	\$ 303,800	\$ 282,100	\$ 260,400	\$ 238,700	\$ 217,000	\$ 195,300
2012 Installment Financing \$2,706,000	Prin	\$ 252,647	\$ 259,387	\$ 266,310	\$ 273,414	\$ 280,707	\$ 288,195	\$ 295,883	\$ 303,742
Dated 7/18/12 - 1/17/22 2.65% Fixed Rate	Int	\$ 57,175	\$ 50,435	\$ 43,516	\$ 36,412	\$ 29,119	\$ 21,631	\$ 13,943	\$ 6,084
2013 Refunding of 2003 COPS	Prin	\$ 10,732	\$ 8,745	\$ 6,312	\$ 4,229	\$ 4,198	\$ 1,479	\$ 1,526	\$ 17,140
Dated 11/14/13 - 6/1/27 2.52% Fixed Rate	Int	\$ 1,950	\$ 3,363	\$ 3,207	\$ 3,092	\$ 3,010	\$ 2,929	\$ 2,891	\$ 2,853
TOTAL PRINCIPAL PAYMENTS		\$1,326,788	\$1,331,541	\$1,336,031	\$1,341,052	\$1,348,314	\$1,353,083	\$1,360,818	\$1,384,278
TOTAL INTEREST PAYMENTS		\$ 475,301	\$ 421,563	\$ 387,776	\$ 353,846	\$ 319,759	\$ 285,478	\$ 251,041	\$ 216,433
TOTAL EXPENSES		\$1,802,089	\$1,753,104	\$1,723,807	\$1,694,898	\$1,668,073	\$1,638,561	\$1,611,859	\$1,600,711
2018 Installment Purchase Contract \$1,000,000	Prin					\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Dated 2/1/2018-6/1/2028 3.5% Fixed Rate 10 years	Int					\$ 35,000	\$ 31,500	\$ 28,000	\$ 24,500
PROJECTED TOTAL PRINCIPAL PAYMENTS		\$1,326,788	\$1,331,541	\$1,336,031	\$1,341,052	\$1,448,314	\$1,453,083	\$1,460,818	\$1,484,278
PROJECTED TOTAL INTEREST PAYMENTS		\$ 475,301	\$ 421,563	\$ 387,776	\$ 353,846	\$ 354,759	\$ 316,978	\$ 279,041	\$ 240,933
PROJECTED TOTAL EXPENSES		\$1,802,089	\$1,753,104	\$1,723,807	\$1,694,898	\$1,803,073	\$1,770,061	\$1,739,859	\$1,725,211

DEBT SERVICE REPAYMENT SCHEDULE
WATER AND SEWER FUND

		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTALS
PROJECTED EXPENSES										FY 14-30
2004 Federal Revolving Loan \$387,438	Prin									\$ 182,321
Dated 5/1/06 – 5/1/22 2.66% Fixed Rate	Int									\$ 21,828
2004 Federal Revolving Loan \$520,430	Prin									\$ 244,906
Dated 5/1/06 – 5/1/22 2.66% Fixed Rate	Int									\$ 29,319
2007 Federal Revolving Loan \$2,295,067	Prin	\$ 135,004	\$ 135,003							\$ 1,350,039
Dated 11/1/07 – 5/1/24 2.66% Fixed Rate	Int	\$ 7,183	\$ 3,592							\$ 197,515
2009 Revolving Loan \$17,500,000	Prin	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 14,000,000
Dated 7/31/10 – 5/1/30 2.48% Fixed Rate	Int	\$ 173,600	\$ 151,900	\$ 130,200	\$ 108,500	\$ 86,800	\$ 65,100	\$ 43,400	\$ 21,700	\$ 2,972,900
2012 Installment Financing \$2,706,000	Prin									\$ 2,220,285
Dated 7/18/12 - 1/17/22 2.65% Fixed Rate	Int									\$ 258,315
2013 Refunding of 2003 COPS	Prin	\$ 16,790	\$ 16,441	\$ 16,154	\$ 15,852	\$ 15,566	\$ 15,248			\$ 150,412
Dated 11/14/13 - 6/1/27 2.52% Fixed Rate	Int	\$ 2,420	\$ 1,997	\$ 1,583	\$ 1,176	\$ 777	\$ 384			\$ 31,632
TOTAL PRINCIPAL PAYMENTS		\$1,026,794	\$1,026,444	\$ 891,154	\$ 890,852	\$ 890,566	\$ 890,248	\$ 875,000	\$ 875,000	\$ 18,147,963
TOTAL INTEREST PAYMENTS		\$ 183,203	\$ 157,489	\$ 131,783	\$ 109,676	\$ 87,577	\$ 65,484	\$ 43,400	\$ 21,700	\$ 3,511,509
TOTAL EXPENSES		\$1,209,997	\$1,183,933	\$1,022,937	\$1,000,528	\$ 978,143	\$ 955,732	\$ 918,400	\$ 896,700	\$ 21,659,472
2018 Installment Purchase Contract \$1,000,000	Prin	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000			\$ 1,000,000
Dated 2/1/2018-6/1/2028 3.5% Fixed Rate 10 years	Int	\$ 21,000	\$ 17,500	\$ 14,000	\$ 10,500	\$ 7,000	\$ 3,500			\$ 192,500
PROJECTED TOTAL PRINCIPAL PAYMENTS		\$1,126,794	\$1,126,444	\$ 991,154	\$ 990,852	\$ 990,566	\$ 990,248	\$ 875,000	\$ 875,000	\$ 19,147,963
PROJECTED TOTAL INTEREST PAYMENTS		\$ 204,203	\$ 174,989	\$ 145,783	\$ 120,176	\$ 94,577	\$ 68,984	\$ 43,400	\$ 21,700	\$ 3,704,009
PROJECTED TOTAL EXPENSES		\$1,330,997	\$1,301,433	\$1,136,937	\$1,111,028	\$1,085,143	\$1,059,232	\$ 918,400	\$ 896,700	\$ 22,851,972

SUMMARY OF PROJECTS BY FISCAL YEAR:
WATER AND SEWER CAPITAL PROJECTS FUND

Project Number	Project	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTALS
PW-WAT-14	NC 73 Water Line & Tank	\$ -	\$ -	\$ -	\$ 1,800,000	\$ 1,200,000	\$ -	\$ 3,000,000
PW-WAT-17	Kidville Road Water Line	-	1,200,000	-	-	-	-	1,200,000
PW-WAT-38	Replace NC 16 Waterline - Phase II	850,000	150,000	-	-	-	-	1,000,000
PW-WAT-41	SCADA Equipment & Controls	10,000	-	-	-	-	-	10,000
PW-WAT-45	Raw Water Intake at Water Plant	110,000	-	-	-	-	-	110,000
PW-WAT-47	Relocate Water Main Hwy 150 & Dellinger Rd	55,000	-	-	-	-	-	55,000
PW-WAT-48	WTP Expansion	60,000	450,000	5,400,000	1,030,000	-	-	6,940,000
PW-WAT-49	Chloride Treatment at Water Pump Stations	25,000	-	-	-	-	-	25,000
PW-WAT-50	Auto Flusher Installation	10,000	-	-	-	-	-	10,000
PW-SEW-23	Lowesville Area Sewer Line Redirection	200,000	1,800,000	-	-	-	-	2,000,000
PW-SEW-24	Facility Improvements - WWTP Expansion	200,000	1,800,000	-	-	-	-	2,000,000
PW-SEW-25	Relocate Sewer Force Main Hwy 150 & Dellinger	55,000	-	-	-	-	-	55,000
PW-SEW-26	Lift Station 18 Surge Valve	16,000	-	-	-	-	-	-
	Total Proposed Projects	1,591,000	5,400,000	5,400,000	2,830,000	1,200,000	-	16,421,000
	Other Uses of Cash	-	-	-	-	-	-	-
	Total Uses of Cash	1,591,000	5,400,000	5,400,000	2,830,000	1,200,000	-	16,421,000
								-
Project Number	Project	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTALS
	Sources of Cash							
	Operating Income	1,591,000	1,591,000	1,591,000	2,539,032	2,539,032	2,539,032	12,390,096
	Special Purpose Bonds							-
	Certificates of Participation							-
	Installment Purchase Contracts					1,000,000		1,000,000
	Earned Interest							-
								-
	Total Sources of Cash	1,591,000	1,591,000	1,591,000	2,539,032	3,539,032	2,539,032	13,390,096
								-
	Net Increase (decrease) in Cash	\$ -	\$ (3,809,000)	\$ (3,809,000)	\$ (290,968)	\$ 2,339,032	\$ 2,539,032	\$ (3,030,904)

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	W-14	Infrastructure Improvement-New Water Line, Booster Pump Station & Tank					
DEPARTMENT	Public Works Water Distribution	FUNCTION Public Utilities					
DESCRIPTION To install a 16" water main from Highway 16 to Amity Church Road along Highway 73 To install a booster pump station and tank.							
STATUS New construction							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION							
Design & Permitting				\$ 200,000			\$ 200,000
Construction				\$ 1,600,000	\$ 1,200,000		\$ 2,800,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL ALLOCATION	\$ -	\$ -	\$ -	\$ 1,800,000	\$ 1,200,000	\$ -	\$ 3,000,000
SOURCES OF FUNDS							
Water System Revenues				\$ 800,000	\$ 1,200,000		\$ 2,000,000
COPS				\$ 1,000,000			\$ 1,000,000
							\$ -
							\$ -
							\$ -
TOTAL FUNDS	\$ -	\$ -	\$ -	\$ 1,800,000	\$ 1,200,000	\$ -	\$ 3,000,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

The Highway 150 12" water main is the only water main that distributes water from the eastern zone to the central zone. In order to system reliability and to potential customer base the installation of a booster pump station and a 12" water main Highway 73 is required.

LOCATION MAP

PIN



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	W-17 Infrastructure Improvement-New Water Line Stjames & Kidville Road Area						
DEPARTMENT	Public Works Water Distribution	FUNCTION Public Utilities					
DESCRIPTION Kidville and St. James Church Road water line installation.							
STATUS New construction							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION Contruction		\$1,200,000					\$ 1,200,000 \$ - \$ - \$ - \$ - \$ - \$ -
TOTAL ALLOCATION	\$ -	\$1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000
SOURCES OF FUNDS Water System Revenues		\$1,200,000					\$ - \$ 1,200,000 \$ - \$ - \$ - \$ -
TOTAL FUNDS	\$ -	\$1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000

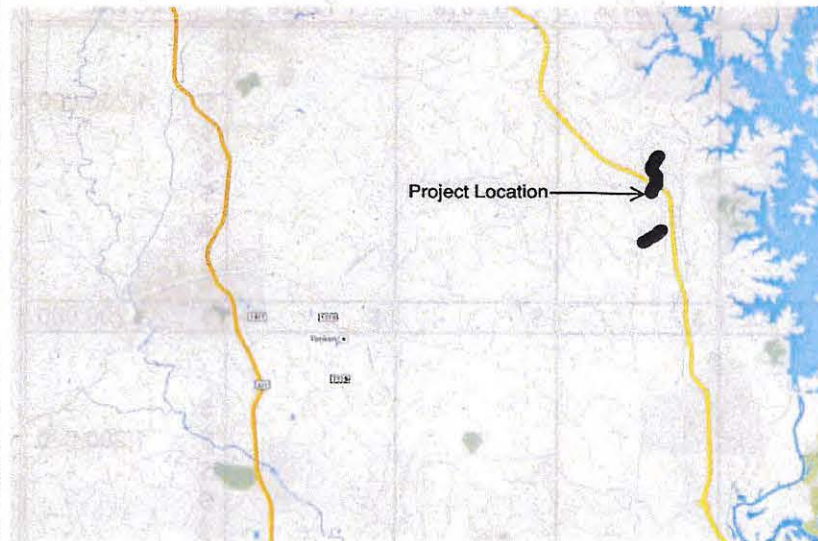
LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

To meet NCDENR permit requirements for water quality an interconnection is required between St. James Church Road and the existing Kidville Road water main. Additionally to improve system reliability an upgrade to the existing 6" water main is required.

LOCATION MAP

PIN



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT		W-38 Infrastructure Improvement-NC 16 & NC 73 Water Line Replacement, Phase II						
DEPARTMENT		Public Works Water Distribution		FUNCTION Public Utilities				
DESCRIPTION This project is to replace the undersized and old PVC water line along Highway 16 from Highway 73 North to the Denver Water Tank. This is intended to be a phased project to replace sections of the water line over a period of years.								
STATUS								
PROJECT BUDGET		PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
			FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION Construction		\$ 850,000	\$ 150,000					\$ 1,000,000 - - - - - -
TOTAL ALLOCATION		\$ 850,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
SOURCES OF FUNDS Water System Revenues		\$ 850,000	\$ 150,000					\$ - 1,000,000 - - - -
TOTAL FUNDS		\$ 850,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

This phase of the project is to replace the existing 12" PVC water main under Business Highway 16 pavement from the intersection of Highway 73 to Forest Oak Drive.

The overall project is to replace in phases the 12" PVC waterline on Highway 16 with a 24" ductile iron line. Upon completion of the entire project, the water line along Highway 16 from Highway 73 north to the Denver water Tank will be replaced with ductile iron pipe.

LOCATION MAP



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	W-41	Computer Hardware/Software-Replacements & Upgrades						
DEPARTMENT	Public Works Water Distribution	FUNCTION	Public Utilities					
DESCRIPTION	Replacement of (2) Two Computers for Upgrade Software to Current Requirement for Programs Purchase seven (7) Tablets for field access to GIS data and SCADA.							
STATUS	Replacement							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS						
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL	
EXPENDITURE ALLOCATION New Computers	\$ 10,000						\$ 10,000 \$ - \$ - \$ - \$ - \$ - \$ -	
TOTAL ALLOCATION	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	
SOURCES OF FUNDS Water System Revenues	\$ 10,000						\$ - \$ 10,000 \$ - \$ - \$ - \$ -	
TOTAL FUNDS	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Replace two computers that are scheduled for replacement due to age.

New tablets will allow field personnel to access GIS water and sewer information. In addition, they will allow access to the SCADA system enabling them to monitor the status of the water and sewer systems.

LOCATION MAP

PIN

ANNUAL OPERATING BUDGET IMPACT:

Personnel

No additional

Operations and Maintenance

Other Capital Outlay

\$ - Total Operating Expenses

Sources of Revenue to Cover Expenses

\$ - Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT		W-45 Infrastructure Improvement-Raw Water Intake Construction						
DEPARTMENT		Public Works WTP		FUNCTION				
DESCRIPTION Raw Water Intake at Water Treatment Plant. Add redundant third intake pump at elevation 740.								
STATUS								
PROJECT BUDGET		PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
			FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION Automatic Flushers		\$ 110,000						\$ 110,000 \$ - \$ - \$ - \$ - \$ - \$ -
TOTAL ALLOCATION		\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000
SOURCES OF FUNDS Water System Revenues		\$ 110,000						\$ - \$ 110,000 \$ - \$ - \$ - \$ -
TOTAL FUNDS		\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

In order to provide redundancy and reliability at the water treatment plant a new raw water pump is required to be installed in the existing intake structure to be able to provide raw water in the event of a pump failure.

LOCATION MAP



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

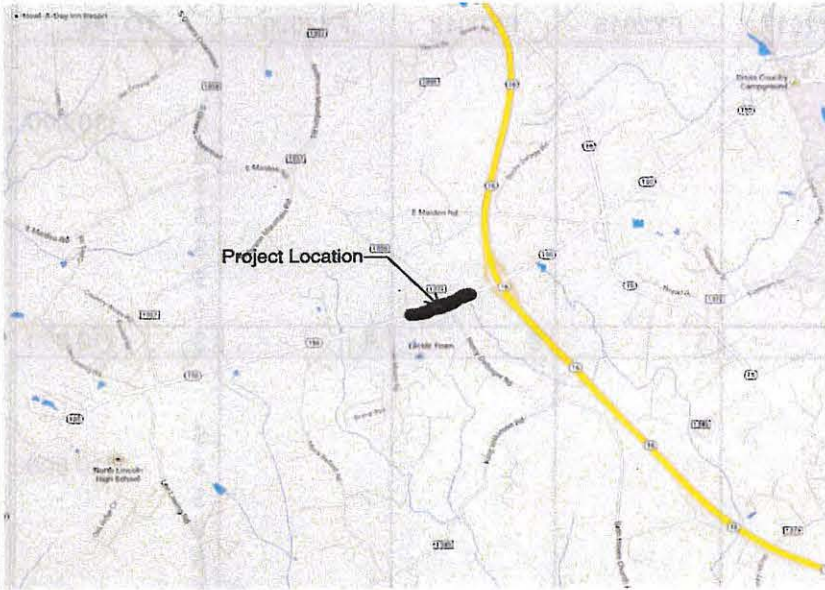
PROJECT		W-47						Infrastructure Improvement-Relocate Water Line at Henry Dellinger Road & Highway 150					
DEPARTMENT		Public Works Water Distribution				FUNCTION		Public Utilities					
DESCRIPTION		Relocate approximately 1,300 linear feet of 12" water line along NC150 at the intersection of Hendry Dellinger (SR1371) due to the NCDOT widening NC150 for a turn lane at Henry Dellinger.											
STATUS													
PROJECT BUDGET		PROPOSED FY2015	PROJECTED FOR FUTURE YEARS										
			FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL					
EXPENDITURE ALLOCATION Construction		\$ 110,000							\$ 110,000				
									\$ -				
									\$ -				
									\$ -				
									\$ -				
									\$ -				
TOTAL ALLOCATION		\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000				
SOURCES OF FUNDS													
Water System Revenues		\$ 110,000							\$ -				
									\$ 110,000				
									\$ -				
									\$ -				
									\$ -				
TOTAL FUNDS		\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000				

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Lincoln County's encroachment agreement with NCDOT for water and sewer lines requires existing water and sewer lines to be relocated out from under proposed pavement widening projects.

LOCATION MAP



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

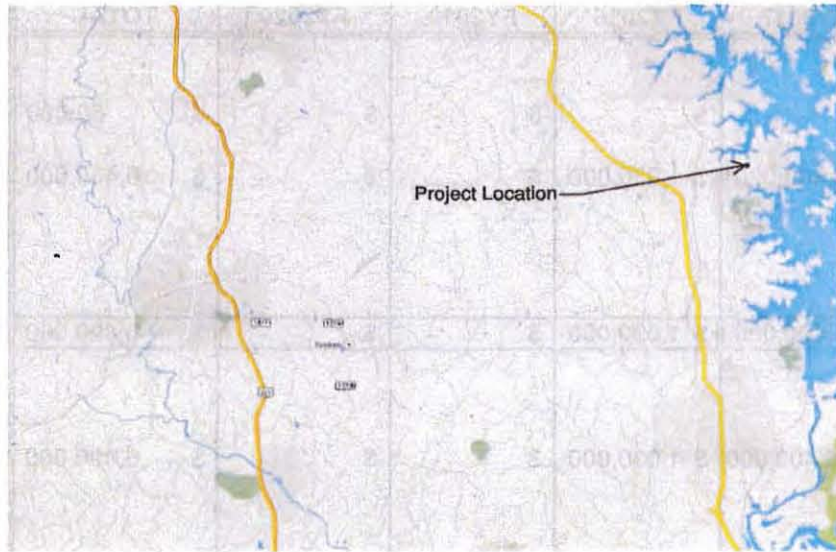
PROJECT	W-48	Infrastructure Improvement-Water Treatment Plant Expansion					
DEPARTMENT	Public Works WTP	FUNCTION Public Utilities					
DESCRIPTION This project is to upgrade and expand the Water Treatment Plant to allow the plant to process and distribute more water. Currently the Plant is rated at 3.9 MGD. This project could double the capacity at the Plant.							
STATUS							
PROJECT BUDGET		PROPOSED FY2015	PROJECTED FOR FUTURE YEARS				
			FY2016	FY2017	FY2018	FY2019	FY2020
EXPENDITURE ALLOCATION							
-Study		\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
-Design, right of way, permitting, plant construction, line extension, & CEI		\$ -	\$ -	\$ 5,400,000	\$ 1,030,000	\$ -	\$ 6,430,000
TOTAL ALLOCATION		\$ 60,000	0	\$ 5,400,000	\$ 1,030,000	\$ -	\$ 6,490,000
SOURCES OF FUNDS							
Reserve Fund							
Debt Financing		\$ 60,000	\$ -	\$5,400,000	\$ 1,030,000	\$ -	\$ 6,490,000
TOTAL FUNDS		\$ 60,000	0	\$ 5,400,000	\$ 1,030,000	\$ -	\$ 6,490,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Based on projected growth within the eastern and central zones in the County the existing plant capacity of 4 MGD will not be sufficient to support new growth. The 2015 budget year is for design and permitting fees only.

LOCATION MAP



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT		W-49 Vehicle-Replacements						
DEPARTMENT		Public Works WTP / WWTP / Water Distribution		FUNCTION Public Utilities				
DESCRIPTION Vehicle Replacement								
STATUS								
PROJECT BUDGET		PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
			FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION Replacement vehicles (see reverse)		\$ 125,000						\$ 125,000 - - - - - -
TOTAL ALLOCATION		\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
SOURCES OF FUNDS Water Revenues Sewer Revenues		\$ 125,000 \$ -						\$ 125,000 - - - - -
TOTAL FUNDS		\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Replacement of vehicles based on age, mileage and condition as of April 22, 2014:

-2004 Ford Ranger XL with 217,560 miles	\$25,000
-2005 Ford F-450 4x4 with 153,752 miles	\$50,000
-2005 Ford F-450 4x4 with 176,402 miles	\$50,000
	<u>\$125,000</u>

LOCATION MAP

ANNUAL OPERATING BUDGET IMPACT:

Water Revenues		Personnel
		No additional
		Operations and Maintenance
	\$ 125,000	Other Capital Outlay
	\$ 125,000	Total Operating Expenses
	\$ 125,000	Sources of Revenue to Cover Expenses
	\$ 125,000	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	W-50	Infrastructure Improvement-Replace Chlorine System						
DEPARTMENT	Public Works WTP	FUNCTION	Public Utilities					
DESCRIPTION	Replace liquid chlorine system with a dry tablet system							
STATUS	Replacement							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS						
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL	
EXPENDITURE ALLOCATION Replace Chlorine System	\$ 25,000						\$ 25,000 \$ - \$ - \$ - \$ - \$ - \$ -	
TOTAL ALLOCATION	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
SOURCES OF FUNDS Water Revenues	\$ 25,000						\$ 25,000 \$ - \$ - \$ - \$ - \$ -	
TOTAL FUNDS	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Currently the Lincoln County treatment plant is transporting liquid chlorine to the booster pump stations throughout the system in order to maintain the NCDENR permit required chlorine levels. Due to the inherent dangers of liquid chlorine and age of existing equipment a dry tablet system is proposed to be installed.

LOCATION MAP

ANNUAL OPERATING BUDGET IMPACT:

Personnel

No additional

Operations and Maintenance

Other Capital Outlay

\$ -

Total Operating Expenses

Sources of Revenue to Cover Expenses

\$ -

Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT W-51		Infrastructure Improvements-Autoflusher Instation at Five (5) Locations					
DEPARTMENT Public Works Water Distribution		FUNCTION To ensure water quality standards are met.					
DESCRIPTION		Purchase and installation of 5 water autoflushers in strategic locations within the water system to ensure water quality standards are met.					
STATUS							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION							
Automatic Flushers	\$ 10,000						\$ 10,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL ALLOCATION	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
SOURCES OF FUNDS							
Water System Revenues	\$ 10,000						\$ -
							\$ 10,000
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL FUNDS	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

In order to meet water quality standards as required by NCDENR permit additional water flushers are required to be installed in strategic locations throughout the water distribution system.

LOCATION MAP

ANNUAL OPERATING BUDGET IMPACT:

Personnel

No additional

Operations and Maintenance

Other Capital Outlay

\$ - Total Operating Expenses

Sources of Revenue to Cover Expenses

\$ - Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

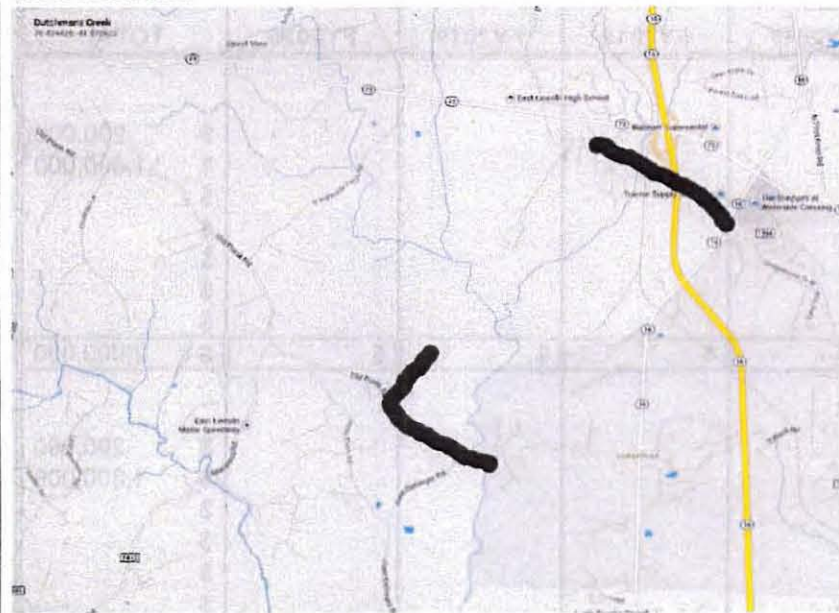
PROJECT		S-23Infrastructure Improvement-Lowesville Area Sewer Expansion & Upgrade						
DEPARTMENT		Public Works Sewer Collections		FUNCTIONPublic Utilities				
DESCRIPTION This project is to install approximately 7,000 lf of 12" forcemain and upgrade existing lift station #15 to meet NCDENR flow requirements.								
STATUS								
PROJECT BUDGET		PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
			FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION Design and Permitting Plant Construction		\$ 200,000	\$1,800,000					\$ 200,000
								\$ 1,800,000
								\$ -
								\$ -
								\$ -
								\$ -
TOTAL ALLOCATION		\$ 200,000	1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000
SOURCES OF FUNDS Reserve Fund Debt Financing		\$ 200,000	\$1,800,000					\$ 200,000
								\$ 1,800,000
								\$ -
								\$ -
								\$ -
								\$ -
TOTAL FUNDS		\$ 200,000	1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION S0023 Lowesville Area Sewer

In order to meet NCDENR flow requirements and to allow additional customers to connect to the Lincoln County Sewer System an upgrade to Lift Station #15 and an additional forcemain is need to accomodate additional flow to the WWTP.

LOCATION MAP



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

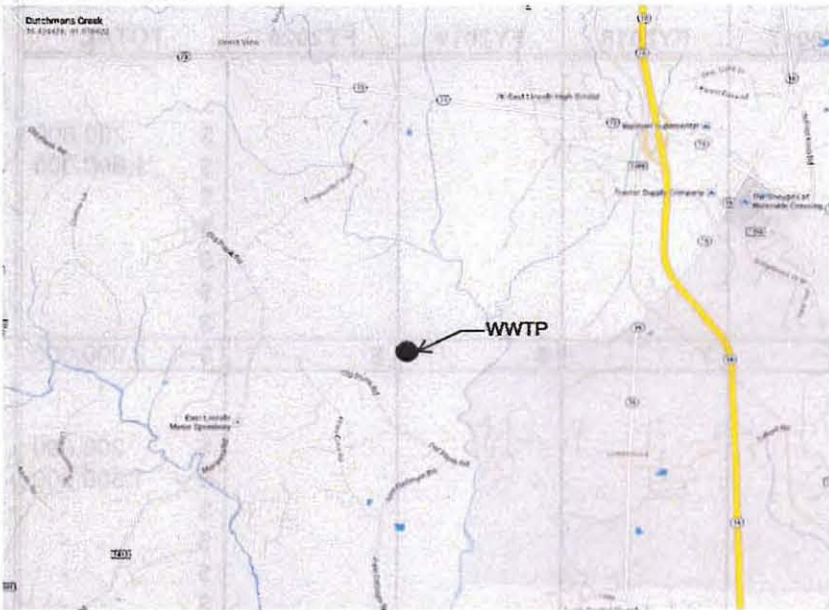
PROJECT	S-24	Infrastructure Improvement-Wastewater Treatment Plant Expansion					
DEPARTMENT	Public Works WWTP	FUNCTION	Public Utilities				
DESCRIPTION		This project is to upgrade and expand the Wastewater Treatment Plant to allow the plant to process more wastewater. Currently the Plant is rated at 1.6 MGD. This project will increase the capacity of the plant to 3.3 MGD.					
STATUS							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION							
Design and Permitting	\$ 200,000						\$ 200,000
Plant Construction		\$1,800,000					\$ 1,800,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL ALLOCATION	\$ 200,000	1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000
SOURCES OF FUNDS							
Reserve Fund	\$ 200,000						\$ 200,000
Debt Financing		\$1,800,000					\$ 1,800,000
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL FUNDS	\$ 200,000	1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

In order to meet NCDENR flow requirements and to allow additional customers to connect to the Lincoln County Sewer System a capacity upgrade is required to the WWTP. The 2015 budget year is for design and permitting fees only.

LOCATION MAP



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	S-25	Infrastructure Relocation-Move Sewer Lines Henry Dellinger Road & Highway 150					
DEPARTMENT	Public Works Sewer Collections	FUNCTION	Public Utilities				
DESCRIPTION	Relocate approximately 1,300 linear feet of 6" sewer force main along NC150 at the intersection of Hendry Dellinger (SR1371) due to the NCDOT widening NC150 for a turn lane at Henry Dellinger.						
STATUS	Relocation						
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION Construction	\$ 55,000						\$ 55,000 \$ - \$ - \$ - \$ - \$ - \$ -
TOTAL ALLOCATION	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000
SOURCES OF FUNDS Sewer System Revenues	\$ 55,000						\$ - \$ 55,000 \$ - \$ - \$ - \$ -
TOTAL FUNDS	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000

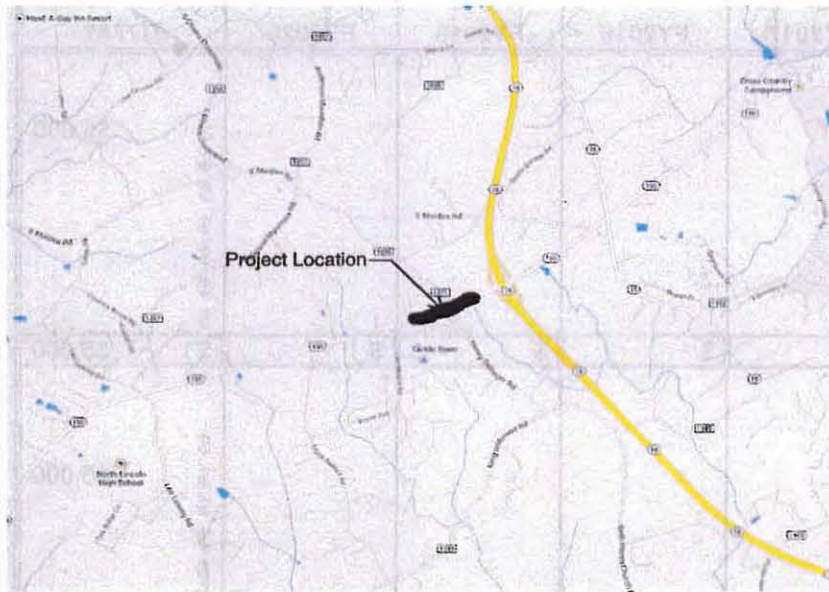
LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Lincoln County's encroachment agreement with NCDOT for water and sewer lines requires existing water and sewer lines to be relocated out from under proposed pavement widening projects.

LOCATION MAP

PIN



ANNUAL OPERATING BUDGET IMPACT:

	Personnel
	No additional
	Operations and Maintenance
	Other Capital Outlay
\$ -	Total Operating Expenses
	Sources of Revenue to Cover Expenses
\$ -	Total Revenues

LINCOLN COUNTY, NORTH CAROLINA

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	S-26	Infratructure Improvement-Install Surge Valve at Lift Station #18					
DEPARTMENT	Public Works Sewer Collection	FUNCTION Public Utilities					
DESCRIPTION To install a surge valve at Lift Station 18 to reduce water hammer and decrease the frequency of main breaks.							
STATUS New construction							
PROJECT BUDGET	PROPOSED FY2015	PROJECTED FOR FUTURE YEARS					
		FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
EXPENDITURE ALLOCATION							
Construction	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL ALLOCATION	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000
SOURCES OF FUNDS							
Sewer System Revenues	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
							\$ 16,000
							\$ -
							\$ -
							\$ -
							\$ -
TOTAL FUNDS	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000

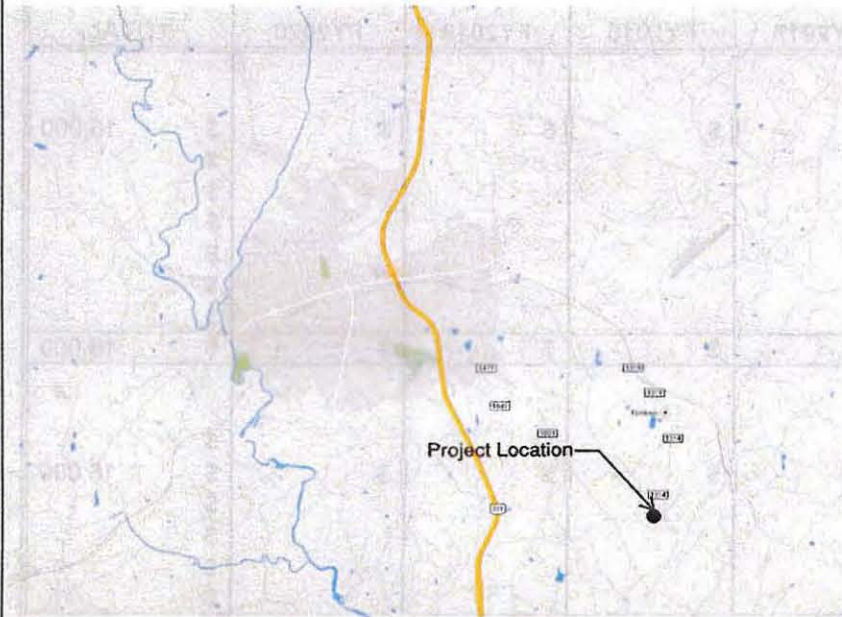
LINCOLN COUNTY, NORTH CAROLINA

JUSTIFICATION

Due to elevation changes on the discharge forcemain water hammer frequently occurs causing pipe failure. Installation of a surge releif valve will reduce the water hammer and pipe failure occurances.

LOCATION MAP

PIN



ANNUAL OPERATING BUDGET IMPACT:

Personnel

No additional

Operations and Maintenance

Other Capital Outlay

\$ -

Total Operating Expenses

Sources of Revenue to Cover Expenses

\$ -

Total Revenues