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**Water**  
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**Program Category: Water****SUMMARY BY PROJECT**

<b>Category</b>	<b>Prior Year</b>	<b>FY 2015-16</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>	<b>Future Years</b>	<b>Total Request</b>
Brown WTP Expansion, Phase 2	13,577,957	0	0	0	0	0	0	0	13,577,957
Downtown East-West Reinforcing Main	2,350,000	0	0	0	0	0	0	0	2,350,000
Future Water Supply/Source Protection	5,738,721	2,135,000	500,000	500,000	500,000	500,000	500,000	500,000	10,873,721
Jordan Lake WTP	2,932,146	2,250,000	3,000,000	3,000,000	0	80,000,000	0	0	91,182,146
Lake Michie & Little River Rehabilitation	2,596,238	0	500,000	500,000	500,000	500,000	0	0	4,596,238
Southeast Distribution System Expansion	7,162,000	0	0	0	0	0	0	0	7,162,000
Teer Quarry Water Supply Project, Phase 2	15,016,950	0	0	0	0	0	0	0	15,016,950
Two-Inch Water Main Replacement	2,088,000	0	0	0	0	0	0	0	2,088,000
Water & Sewer Fleet Vehicles	2,486,120	650,869	0	0	0	0	0	0	3,136,989
Water Distribution System Rehabilitation	43,300,000	9,255,000	13,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	100,555,000
Water Extensions & Improvements	15,174,244	0	1,750,000	1,750,000	1,750,000	1,750,000	0	0	22,174,244
Water Facilities Rehabilitation	30,415,219	2,100,000	2,450,000	1,800,000	1,300,000	1,300,000	1,300,000	1,300,000	41,965,219
Water Regulatory Improvements	33,768,000	1,500,000	0	0	0	0	0	0	35,268,000
Water Residuals Handling	6,550,000	39,000,000	0	0	0	0	0	0	45,550,000
	<b>\$183,155,595</b>	<b>\$56,890,869</b>	<b>\$21,200,000</b>	<b>\$14,550,000</b>	<b>\$11,050,000</b>	<b>\$91,050,000</b>	<b>\$8,800,000</b>	<b>\$8,800,000</b>	<b>\$395,496,464</b>

## SUMMARY BY REVENUE SOURCE

Category	Prior Year	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future Years	Total Funds
Unidentified	0	0	0	0	0	0	0	0	0
Rev Unauthorized	120,386,466	56,240,000	19,450,000	12,800,000	9,300,000	89,300,000	8,800,000	8,800,000	325,076,466
Rev Authorized	7,627,043	0	0	0	0	0	0	0	7,627,043
Pay-As-You-Go	39,586,480	650,869	1,750,000	1,750,000	1,750,000	1,750,000	0	0	47,237,349
Other	6,470,020	0	0	0	0	0	0	0	6,470,020
Intergovernmental	5,985,586	0	0	0	0	0	0	0	5,985,586
Installment Sales	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0
GOB Unauthorized	0	0	0	0	0	0	0	0	0
GOB Authorized	3,100,000	0	0	0	0	0	0	0	3,100,000
	<b>\$183,155,595</b>	<b>\$56,890,869</b>	<b>\$21,200,000</b>	<b>\$14,550,000</b>	<b>\$11,050,000</b>	<b>\$91,050,000</b>	<b>\$8,800,000</b>	<b>\$8,800,000</b>	<b>395,496,464</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> 2
<i>Project Title</i> Brown WTP Expansion, Phase 2	<i>Pin Number</i> 0835-04-72-4043	<i>Master Plan</i> Water and Sewer Utility Strategic Plan	

**Project Description**

The second expansion design phase of the Brown WTP will be finished with current projects, and construction will begin when State Permit is issued. Facility funding for both water treatment plants for residuals handling was moved to a new CIP item titled Water Residuals Handling.



<i>PROJECT STATUS - June 2015</i>	<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures \$5,536,881	Beginning 01/06 Completion 01/18	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$5,735,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,735,000
Land	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
Construction	\$6,954,382	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,954,382
Equip/Furnishings	\$481,575	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$481,575
Contingency	\$257,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$257,000
<b><i>Total</i></b>	<b>\$13,577,957</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,577,957</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$2,859,675	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,859,675
GOB Authorized	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$3,457,920	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,457,920
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$3,131,282	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,131,282
Other	\$3,129,080	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,129,080
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$13,577,957</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,577,957</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$11,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,000
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$11,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,000</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i> Utility Engineering	<i>District:</i> 1,3,4,5
<i>Project Title</i> Downtown East-West Reinforcing Main		<i>Pin Number</i>	
		<i>Master Plan</i> 2002 Distribution System Study	

**Project Description**

Conduct a route analysis, followed by design, permitting, and construction for a 36-inch water transmission main. The main will be a continuation of the 36-inch Hillandale Dual Water Main Replacement project that eventually ties into the elevated storage tank at Pettigrew and Alston.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$0	Beginning 06/13 Completion 07/17	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$2,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,350,000
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,350,000</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$2,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,350,000
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,350,000</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i> Utility Engineering	<i>District:</i> All
<i>Project Title</i> Future Water Supply/Source Protection		<i>Pin Number</i>	
		<i>Master Plan</i> Water and Sewer Utility Strategic Plan	

**Project Description**

This project provides funding for the acquisition of land needed for expansion of the City's water supplies and protection of existing lakes by acquiring additional buffer areas.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$2,945,298	Beginning 07/04	Continuation
		Completion 07/19	

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$121,426	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,426
Land	\$4,820,204	\$2,135,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$9,955,204
Construction	\$797,091	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$797,091
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$5,738,721</b>	<b>\$2,135,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$10,873,721</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$66,843	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$66,843
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$3,813,800	\$2,135,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,948,800
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,350,000
Other	\$508,078	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$508,078
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$5,738,721</b>	<b>\$2,135,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$10,873,721</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i> Utility Engineering	<i>District:</i> 3,All
<i>Project Title</i> Jordan Lake WTP		<i>Pin Number</i> 0708-04-63-3956	
<i>Master Plan</i> Water and Sewer Utility Strategic Plan			

**Project Description**

This project is for a new water supply intake on Jordan Lake. The initial planning will investigate the options for utilizing water allocation and the land needs for pipe lines and pump stations. The next steps are preliminary design, permitting, final design, and construction. A raw water pump station, a raw water transmission line to Durham, and potentially a new water treatment plant are options currently envisioned.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$1,403,305	Beginning	09/09
		Completion	07/19
			Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$2,932,146	\$2,250,000	\$3,000,000	\$3,000,000	\$0	\$0	\$0	\$0	11,182,146
Construction	\$0	\$0	\$0	\$0	\$0	80,000,000	\$0	\$0	80,000,000
<b><i>Total</i></b>	<b>\$2,932,146</b>	<b>\$2,250,000</b>	<b>\$3,000,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$80,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$91,182,146</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$2,432,146	\$2,250,000	\$3,000,000	\$3,000,000	\$0	80,000,000	\$0	\$0	90,682,146
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,932,146</b>	<b>\$2,250,000</b>	<b>\$3,000,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$80,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$91,182,146</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> 2
<i>Project Title</i> Lake Michie & Little River Rehabilitation		<i>Pin Number</i> 0857-03-03-6386	
<i>Master Plan</i>			

**Project Description**

This is a Dam Facility Rehabilitation project that combines the Lake Michie Dam Repairs and Little River Dam Repairs projects. Lake Michie needs lead based paint removal, gate repairs, clearing of trees, and hydraulic valve replacement. Little River work needs the lower gate repaired and caulking. Little River needs a 20 year maintenance plan and Lake Michie needs an updated maintenance plan.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$115,065	Beginning	07/04
		Completion	07/18
			Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$720,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$720,000
Construction	\$1,806,238	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$0	\$3,806,238
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,000
<b><i>Total</i></b>	<b>\$2,596,238</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,596,238</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$2,596,238	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,596,238
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$0	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$0	\$2,000,000
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,596,238</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,596,238</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> 1,4
<i>Project Title</i> Southeast Distribution System Expansion		<i>Pin Number</i>	
		<i>Master Plan</i> Water Distribution Study	

*Project Description*

This project includes the necessary system improvements (mains, booster stations and tank) necessary to meet the anticipated growth in Southeast Durham. The 2002 Water Distribution Study identified this need, which included a general tank location and resizing of main.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$906,866	Beginning 09/09 Completion 06/16	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$800,000
Construction	\$6,362,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,362,000
<b><i>Total</i></b>	<b>\$7,162,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,162,000</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$7,162,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,162,000
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$7,162,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,162,000</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i> Utility Engineering	<i>District:</i> 2
<i>Project Title</i> Teer Quarry Water Supply Project, Phase 2		<i>Pin Number</i> 0834-03-24-3512	<i>Master Plan</i> Water and Sewer Utility Strategic Plan

**Project Description**

This project will convert an abandoned stone quarry in northern Durham into a raw water storage facility. The finished project will add approximately 7 MGD of water supply to the City's existing 37 MGD supply.



<i>PROJECT STATUS - June 2015</i>	<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures      \$1,552,342	Beginning      07/04 Completion      07/17	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$2,880,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,880,000
Construction	\$9,709,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,709,560
Contingency	\$2,427,390	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,427,390
<b><i>Total</i></b>	<b>\$15,016,950</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,016,950</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$4,853,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,853,500
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
Rev Unauthorized	\$9,963,450	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,963,450
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$15,016,950</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,016,950</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i> Utility Engineering	<i>District:</i> All
<i>Project Title</i> Two-Inch Water Main Replacement		<i>Pin Number</i>	
<i>Master Plan</i>			

*Project Description*

This project strengthens the water distribution system by replacing existing two-inch water mains with larger mains to provide improved fire protection and greater capacity with less maintenance.



<i>PROJECT STATUS - June 2015</i>	<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures      \$1,796,881	Beginning      07/04 Completion      06/16	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$2,088,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,088,000
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,088,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,088,000</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$858,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$858,000
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$1,230,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,230,000
Rev Unauthorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,088,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,088,000</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Fleet	<i>Division/Program:</i>	<i>District:</i> All
<i>Project Title</i> Water & Sewer Fleet Vehicles		<i>Pin Number</i>	
<i>Master Plan</i>			

**Project Description**

This project is for the financing of fleet vehicles for all Water Management Department Vehicles.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$1,117,049	Beginning	10/11
		Completion	03/24
			Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$2,486,120	\$650,869	\$0	\$0	\$0	\$0	\$0	\$0	\$3,136,989
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,486,120</b>	<b>\$650,869</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,136,989</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$1,459,026	\$650,869	\$0	\$0	\$0	\$0	\$0	\$0	\$2,109,895
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$1,027,094	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,027,094
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$2,486,120</b>	<b>\$650,869</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,136,989</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> All
<i>Project Title</i> Water Distribution System Rehabilitation		<i>Pin Number</i>	
<i>Master Plan</i>			

**Project Description**

This project involves condition assesment, rehabilitation and replacement of the City's Water Distribution System. Mains, valves, hydrants and pump stations are inspected and analyzed, for decisions on appropriate methods of rehabilitation or replacement of vital infrastructure. This is an on-going program.



<i>PROJECT STATUS - June 2015</i>	<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures \$1,108,080	Beginning 12/04 Completion 12/24	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$5,200,000	\$2,000,000	\$2,600,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	19,800,000
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	38,100,000	\$7,255,000	10,400,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	80,755,000
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$43,300,000</b>	<b>\$9,255,000</b>	<b>\$13,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$100,555,000</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	10,778,341	\$0	\$0	\$0	\$0	\$0	\$0	\$0	10,778,341
GOB Authorized	\$1,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700,000
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	30,321,659	\$9,255,000	13,000,000	\$7,000,000	\$7,000,000	\$7,000,000	\$7,000,000	\$7,000,000	87,576,659
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$43,300,000</b>	<b>\$9,255,000</b>	<b>\$13,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$100,555,000</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Public Works	<i>Division/Program:</i> Engineering	<i>District:</i> All
<i>Project Title</i> Water Extensions & Improvements		<i>Pin Number</i>	
		<i>Master Plan</i> Water and Sewer Utility Strategic Plan	

*Project Description*

This ongoing program constructs water line extensions requested by petitions, relocates water lines resulting from NCDOT projects, reimburses developers for water improvements, and constructs lines to abate health hazards.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$171,730	Beginning 07/10 Completion 07/19	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$109,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$109,423
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	15,051,382	\$0	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000	\$0	\$0	22,051,382
Equip/Furnishings	\$3,087	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,087
Contingency	\$10,352	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,352
<b><i>Total</i></b>	<b>\$15,174,244</b>	<b>\$0</b>	<b>\$1,750,000</b>	<b>\$1,750,000</b>	<b>\$1,750,000</b>	<b>\$1,750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,174,244</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$7,350,000	\$0	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000	\$0	\$0	14,350,000
GOB Authorized	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$1,650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,650,000
Rev Unauthorized	\$3,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,250,000
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$1,004,304	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,004,304
Other	\$1,519,940	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,519,940
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$15,174,244</b>	<b>\$0</b>	<b>\$1,750,000</b>	<b>\$1,750,000</b>	<b>\$1,750,000</b>	<b>\$1,750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,174,244</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> 2,All
<i>Project Title</i> Water Facilities Rehabilitation	<i>Pin Number</i> 0835-04-72-4043	<i>Master Plan</i> Water and Sewer Utility Strategic Plan	

*Project Description*

This project is to maintain the infrastructure at the water facilities, enhance the current operation, and maintain compliance with State regulations.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$5,083,790	Beginning 12/09 Completion 12/18	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$1,356,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,356,000
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	28,274,219	\$2,100,000	\$2,450,000	\$1,800,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	39,824,219
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$785,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$785,000
<b><i>Total</i></b>	<b>\$30,415,219</b>	<b>\$2,100,000</b>	<b>\$2,450,000</b>	<b>\$1,800,000</b>	<b>\$1,300,000</b>	<b>\$1,300,000</b>	<b>\$1,300,000</b>	<b>\$1,300,000</b>	<b>\$41,965,219</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$1,149,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,149,975
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$3,982,648	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,982,648
Rev Unauthorized	25,242,796	\$2,100,000	\$2,450,000	\$1,800,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	36,792,796
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$39,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,800
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$30,415,219</b>	<b>\$2,100,000</b>	<b>\$2,450,000</b>	<b>\$1,800,000</b>	<b>\$1,300,000</b>	<b>\$1,300,000</b>	<b>\$1,300,000</b>	<b>\$1,300,000</b>	<b>\$41,965,219</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> 2,All
<i>Project Title</i> Water Regulatory Improvements		<i>Pin Number</i>	
		<i>Master Plan</i> Water and Sewer Strategic Plan	

**Project Description**

This project consists of Long Term Enhanced Surface Treatment Rule and Safe Drinking Water Act Stage II Disinfection By-Product Rule Improvements that are a result of compliance with new regulations. The projects involve the installation of ultraviolet disinfection, ozone and other ancillary facility improvements at both water treatment plants.



<i>PROJECT STATUS - June 2015</i>		<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures	\$3,932,149	Beginning 12/07 Completion 06/17	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000,000
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	24,768,000	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	26,268,000
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000
<b>Total</b>	<b>\$33,768,000</b>	<b>\$1,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,268,000</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$3,152,635	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,152,635
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$564,395	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$564,395
Rev Unauthorized	30,050,970	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	31,550,970
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$33,768,000</b>	<b>\$1,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,268,000</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**CITY OF DURHAM  
CAPITAL IMPROVEMENTS PROGRAM**

<i>Service Area</i> Water	<i>Department</i> Water Management	<i>Division/Program:</i>	<i>District:</i> All
<i>Project Title</i> Water Residuals Handling		<i>Pin Number</i>	
		<i>Master Plan</i> Water and Sewer Utility Strategic Plan	

*Project Description*

This project will add facilities at both water treatment plants for residuals management. Facilities will include thickening, dewatering, and disposal of solids residuals from the water treatment process. This project will enhance the current operations and maintain compliance with State regulations.



<i>PROJECT STATUS - June 2015</i>	<i>PROJECTED DATES:</i>	<i>TYPE REQUEST</i>
Total Expenditures \$0	Beginning 07/11 Completion 07/19	Continuation

<i>Appropriation</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Planning/Design	\$6,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,550,000
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	39,000,000	\$0	\$0	\$0	\$0	\$0	\$0	39,000,000
Equip/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$6,550,000</b>	<b>\$39,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,550,000</b>

<i>Revenue</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Pay-As-You-Go	\$1,612,247	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,612,247
GOB Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GOB Unauthorize	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Authorized	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rev Unauthorized	\$4,691,725	39,000,000	\$0	\$0	\$0	\$0	\$0	\$0	43,691,725
Installment Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intergovernmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$246,028	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$246,028
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$6,550,000</b>	<b>\$39,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,550,000</b>

<i>Operating</i>	<i>Prior Year</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>Future Years</i>	<i>TOTAL</i>
Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Maint/Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b><i>Total</i></b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>