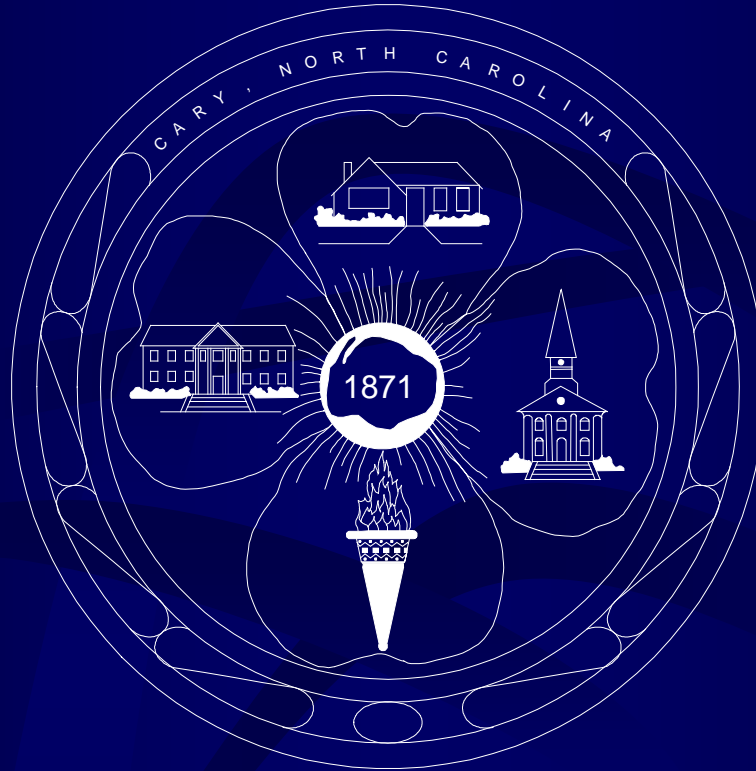


Town of Cary



Capital Budgeting

What We'll Talk About Today

- 1. You, Me and the Town of Cary**
- 2. We're Budget People – There Has to be a Process!**
- 3. Keeping it Real – Building an Attainable CIB/P**
- 4. If You Budget It, They Will Manage It
(but having the right tools certainly helps!)**
- 5. Questions?**

Where Are You From?

- **Authority**
- **School System**
- **Municipality**
- **County**
- **Other**

How Long Have You Been Capital Budgeting?

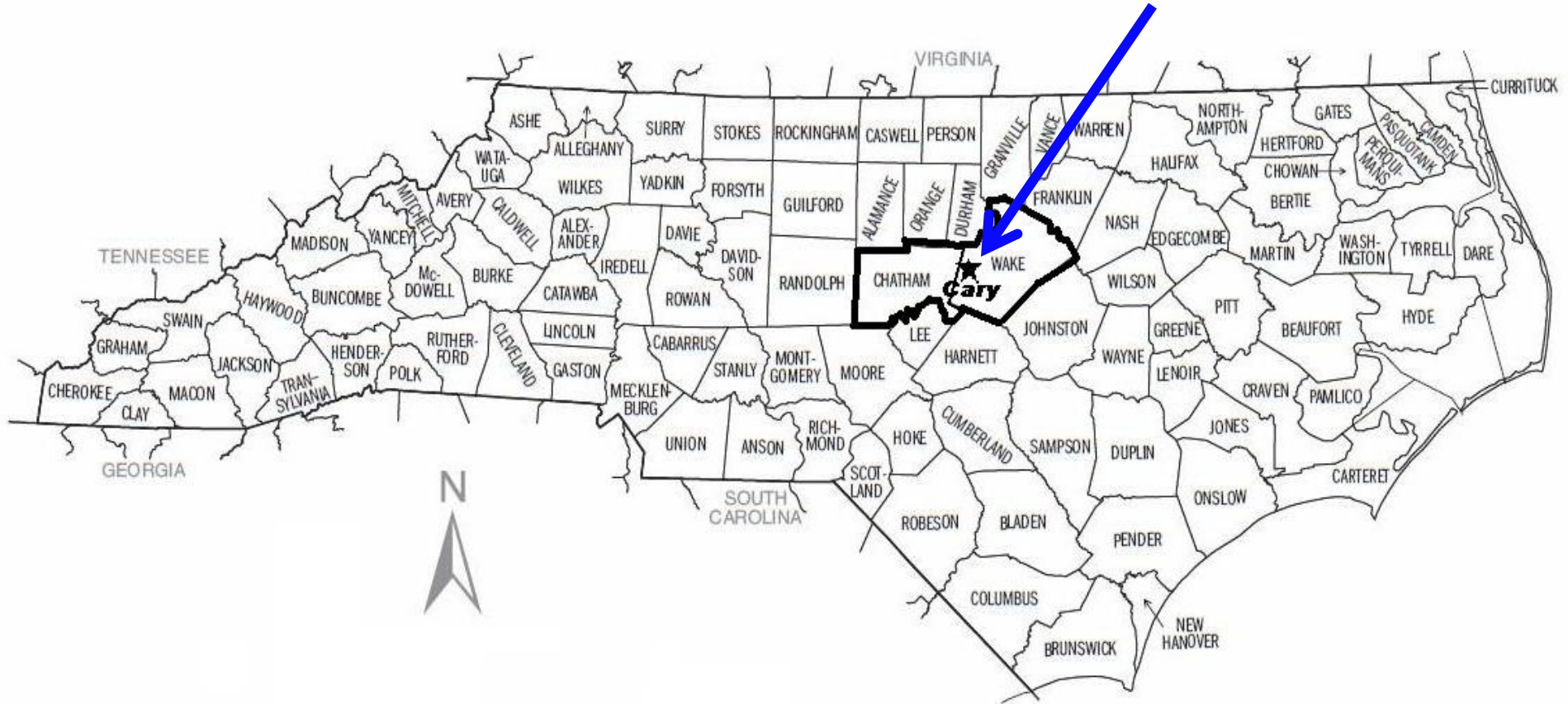
- **Less than 1 year**
- **2-3 years**
- **4-8 years**
- **9-15 years**
- **More than 15 years**

What is Your CIP Timeframe?

1. Don't have a CIP, just budget for upcoming year
2. 3 years
3. 5 years
4. 10 years
5. Longer than 10 years

**Which timeframe
do you think is best?**

What Comes to Mind When You Hear “Town of Cary”?



TOWN of CARY

What Comes to Mind When You Hear “Town of Cary”?

- 1) Containment Area for Relocated Yankees
- 2) Beige colors and lack of signs
- 3) Fast Growing
- 4) Flush with cash
- 5) Town? That’s a City!

What Comes to My Mind?



The many infrastructure needs faced by a community that in the past 16 years alone has grown from a population of 88,000 to 154,000

What Comes to My Mind?



TOWN of CARY

What Comes to My Mind?



TOWN of CARY

What Comes to My Mind?



TOWN of CARY

What Comes to My Mind?



What Comes to My Mind?



What Comes to My Mind?

Cary is beginning the transition from a community in rapid development to one moving toward build-out.

Capital planning must emphasize infrastructure maintenance.



TOWN of CARY

The Town of Cary's Capital Budgeting Process

The Town of Cary annually prepares an eleven year Capital Improvements Budget/Plan (CIB/P).

The FY 2017 budget process will mark Cary's 16th year of utilizing an eleven year CIB/P.

- The first year (budget year) is formally adopted by Town Council in June along with the Annual Operating Budget
- The ten “out” years of the plan are true planning years and are not formally adopted

The Town of Cary's Capital Budgeting Process

- Plan for the future, implement the present**
- Appropriate for upcoming year only**
 - » Constant evaluation of priorities vs. funding
 - » Adaptation of plan for new opportunities
- Plan for the next ten years**
 - » Allows for short and long term financial planning
 - » Communication tool with public and Council
 - » Reduces number of surprise projects
 - » Allows course to be changed if necessary

The Town of Cary's 2016 CIB

CAPITAL IMPROVEMENTS BUDGET (CIB)

UTILITY CIB

Water	\$40,285,959
Sewer	\$16,433,041
Subtotal	<u>\$56,719,000</u>

GENERAL CIB

Transportation	\$11,115,000
Fire	\$900,000
Parks, Recreation and Cultural Resources	\$3,540,000
General Government	\$4,900,050
Downtown	\$800,000
Subtotal	<u>\$21,255,050</u>

TOTAL CAPITAL IMPROVEMENTS BUDGET	\$77,974,050
--	---------------------

The Basics

Defining “Capital Project”

An asset with a value exceeding \$25,000 and a useful life of greater than three years.

Categorizing a Capital Project

General

- Transportation
- Fire
- Parks Recreation and Cultural Resources (PRCR)
- General Government
- Downtown

Utility

- Water
- Sewer

General Capital Reserve

- Transportation
- Fire
- Parks, Recreation & Cultural Resources
- General Government
- Downtown



Utility Capital Reserve

– Water

– Sewer



Funding Sources

- Cash from Annual Operating Funds**
- Cash from Operating Fund Balances**
- State Funding (Powell Bill for Streets)**
- Development Fees**
- Payments-in-Lieu**
- Vehicle License Fees**
- Grants**
- Debt (General Obligation Bonds, etc.)**

Laying the Foundation

- The Budget Office develops funding targets that provide a realistic revenue picture for the next five years.

Projections should:

- be calculated for each revenue type.
- include operating fund transfer capacity (general and utility) for each year.
- include available debt if this is an option.
- be denoted as either a dedicated or non-dedicated funding source.

- **Funding Targets are developed in accordance with the Town's funding principles:**
 - Utilize as little debt as possible to minimize additional debt service obligations
 - Maximize the use of existing capital reserve fund balances
 - Minimize reliance on budget year's anticipated capital revenues
 - Limit transfers from the operating funds

Turning Estimates Into Funding Targets

General Capital Available Funding by Fiscal Year by Source As of 10.13.2014

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
<i>Non-Dedicated</i>					
General Fund Transfer	6,400,000	8,900,000	10,900,000	13,600,000	15,200,000
Unrestricted	3,233,197	3,483,665	503,440	508,474	513,559
Utility Franchise Fees	854,946	1,153,020	593,168	587,236	581,364
Utility Fund Transfer	109,554	137,337	165,120	192,903	220,686
<i>SUB-TOTAL - NON DEDICATED</i>	<i>10,597,696</i>	<i>13,674,021</i>	<i>12,161,728</i>	<i>14,888,613</i>	<i>16,515,609</i>

Non-Dedicated funding sources are those that are available for use on any type of project

Turning Estimates Into Funding Targets

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
<i>Dedicated Transportation Sources</i>					
Awarded Grants	0	0	0	0	0
Developer Reimbursement	0	0	0	0	0
Other	0	0	0	0	0
PIL - Sidewalks	0	0	0	0	0
PIL - Bike Lanes	0	0	0	0	0
PIL Street Lights	42,294	0	0	0	0
PIL Streets	452,996	652,996	200,000	200,000	200,000
Powell Bill	4,466,041	5,416,475	3,778,394	3,797,286	3,816,273
Transportation Development Fees	1,568,843	2,032,266	931,480	940,795	950,202
Vehicle License Fees	2,467,701	3,205,628	1,490,613	1,520,425	1,550,834
<i>SUB-TOTAL - DEDICATED TRANSP.</i>	8,997,875	11,307,364	6,400,487	6,458,506	6,517,309
<i>Dedicated PRCR Funding Sources</i>					
Awarded Grants	0	0	0	0	0
Developer Reimbursement	0	0	0	0	0
Interlocal Funds	1,300,000	1,700,000	2,600,000	2,000,000	0
Other	0	0	0	0	0
Parks Contributions	22,309	0	0	0	0
PIL - Parks and Greenways	1,828,389	0	0	0	0
RIL - West	166,628	221,000	221,000	221,000	221,000
RIL - Central	165,211	221,000	221,000	221,000	221,000
RIL - South	625,612	858,000	858,000	858,000	858,000
RIL - Maynard Loop	0	0	0	0	0
<i>SUB-TOTAL - DEDICATED PRCR</i>	4,108,149	3,000,000	3,900,000	3,300,000	1,300,000

Dedicated funding sources are those that are only for use on specific types of projects.

Turning Estimates Into Funding Targets

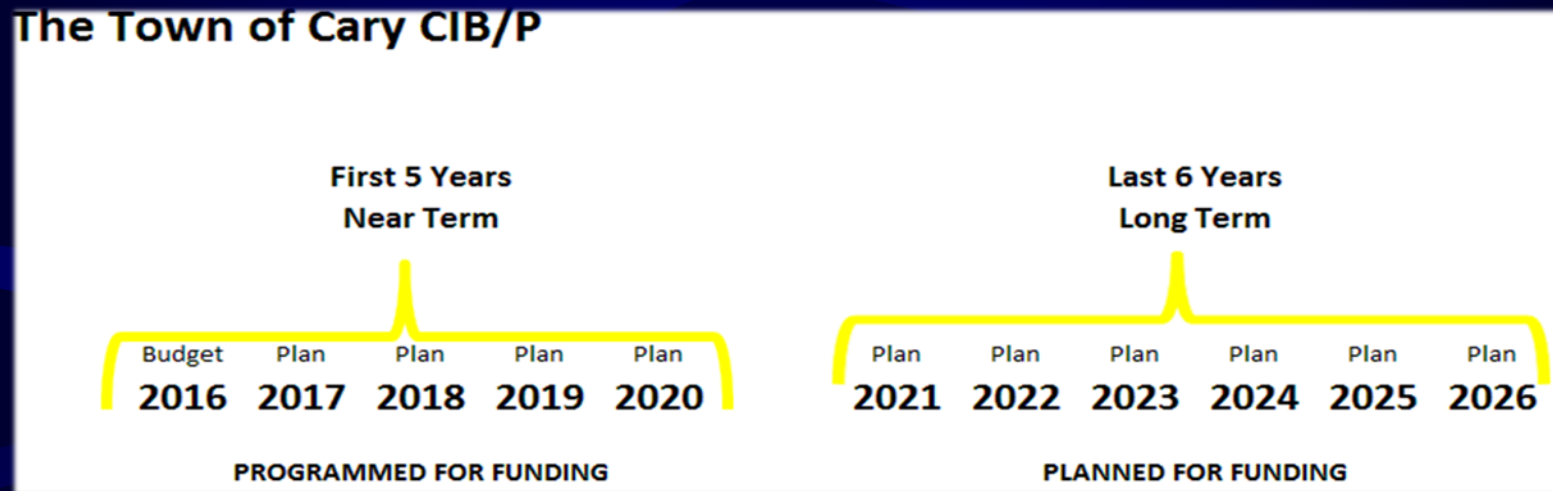
FUNDING TARGETS - TOTAL AVAILABLE

As of 10.31.2014

	TRANSPORTATION	FIRE	PRCR	GENERAL GOV'T	DOWNTOWN
FY 2016					
Non-Dedicated	10,488,142	10,488,142	10,488,142	10,597,696	10,488,142
Dedicated	8,997,875	0	4,108,149	0	0
Total	19,486,017	10,488,142	14,596,291	10,597,696	10,488,142
FY 2017					
Non-Dedicated	13,536,684	13,536,684	13,536,684	13,674,021	13,536,684
Dedicated	11,307,364	0	3,000,000	0	0
Total	24,844,048	13,536,684	16,536,684	13,674,021	13,536,684
FY 2018					
Non-Dedicated	11,996,608	11,996,608	11,996,608	12,161,728	11,996,608
Dedicated	6,400,487	0	3,900,000	0	0
Total	18,397,095	11,996,608	15,896,608	12,161,728	11,996,608
FY 2019					
Non-Dedicated	14,695,710	14,695,710	14,695,710	14,888,613	14,695,710
Dedicated	6,458,506	0	3,300,000	0	0
Total	21,154,216	14,695,710	17,995,710	14,888,613	14,695,710
FY 2020					
Non-Dedicated	16,294,923	16,294,923	16,294,923	16,515,609	16,294,923
Dedicated	6,517,309	0	1,300,000	0	0
Total	22,812,232	16,294,923	17,594,923	16,515,609	16,294,923

Planning With Purpose

- Project Managers are asked to think of the 11 year budget and plan period in two segments:



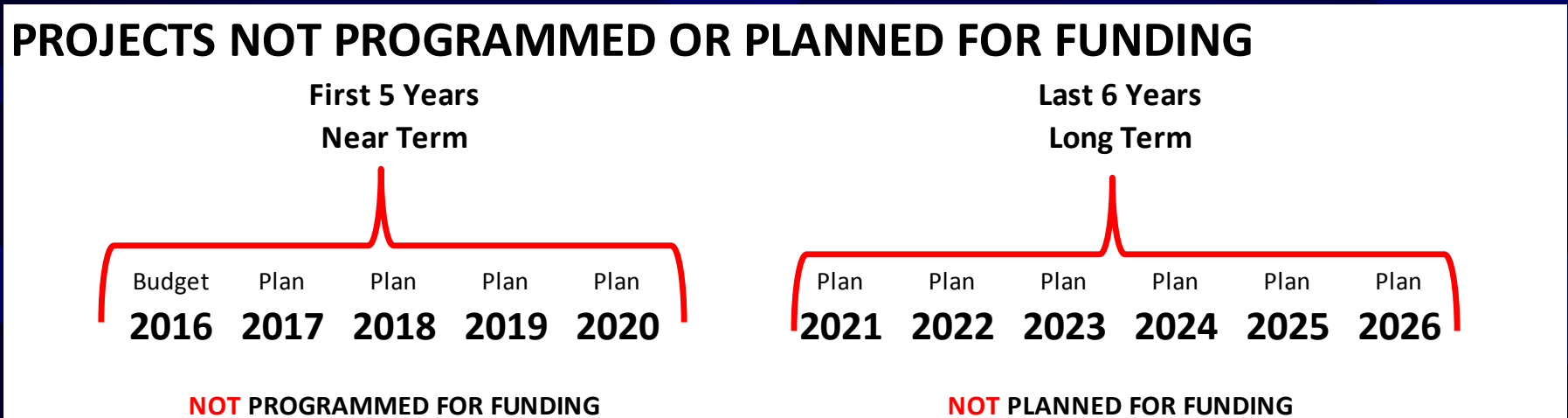
- Near term project requests should fit within each year's funding target.
- Long term project requests don't have funding targets, but should be projects where it is imperative that the work is completed within that time frame

Planning With Purpose

- What to do with everything else?

There most certainly will be needs that project managers are aware of that don't fit within the parameters of the Programmed/Planned request structure.

These fall to a separate project list:



Details, Details, Details!

- **Each individual project request should:**
 - provide specific details regarding the project, what is driving the need for it, and what would happen if the project did not occur.
 - incorporate inflationary cost increases within the plan years.
 - specifically detail staffing, operating and maintenance budget impacts.
 - indicate any cost savings that may be experienced once project is implemented.

The Calendar



The Calendar

- Feedback meetings on prior year (AUG)

The Calendar

- Feedback meetings on prior year (AUG)
- Change process and update database (SEP)
- Create and publicize schedule (SEP)
 - » Roughly same every year
 - » Focus on information needed and when

The Calendar

- Feedback meetings on prior year (AUG)
- Change process and update database (SEP)
- Create and publicize schedule (SEP)
 - » Roughly same every year
 - » Focus on information needed and when
- Update capital budget manual (OCT)

The Calendar

- **Feedback meetings on prior year (AUG)**
- **Change process and update database (SEP)**
- **Create and publicize schedule (SEP)**
 - » Roughly same every year
 - » Focus on information needed and when
- **Update capital budget manual (OCT)**
- **Hold capital budget “refresher” courses (NOV)**
- **Revenue projections & funding targets (NOV)**
- **Open database for input (NOV)**

The Calendar

– Project status updates (DEC)

» For existing projects (closure, givebacks, scope changes, etc.)

The Calendar

- **Project status updates (DEC)**

- » For existing projects (closure, givebacks, scope changes, etc.)

- **Project submittals due in database (JAN)**

The Calendar

- **Project status updates (DEC)**
 - » For existing projects (closure, givebacks, scope changes, etc.)
- **Project submittals due in database (JAN)**
- **Internal capital discussion meetings (FEB)**

The Calendar

- **Project status updates (DEC)**
 - » For existing projects (closure, givebacks, scope changes, etc.)
- **Project submittals due in database (JAN)**
- **Internal capital discussion meetings (FEB)**
- **Discussion meetings w/ Exec Team (MAR)**
- **Prepare Recommended Document (MAR)**

The Calendar

- **Preview budget and plan with Council (APR)**
 - » Focus on both current year and next ten years
 - » General Capital and Utility discussed (rate impacts)
- **Revenue review for any updates (APR)**

The Calendar

- **Preview budget and plan with Council (APR)**
 - » Focus on both current year and next ten years
 - » General Capital and Utility discussed (rate impacts)
- **Revenue review for any updates (APR)**
- **Capital worksessions with Council (MAY)**
 - » Focus on budget year and implications of the outyears
- **Update recommended budget (MAY)**
 - » Modification of capital projects included
 - » Changing timing of capital projects
 - » Updates of revenue projections

The Calendar

- **Capital worksessions with Council (MAY)**
 - » Focus on budget year and implications of the outyears
- **Update recommended budget (MAY)**
 - » Modification of capital projects included
 - » Changing timing of capital projects
 - » Updates of revenue projections
- **Map and budget set-up processes (JUN)**
 - » Create map for each project in the budget year
 - » Prepare docs for accounting system setup 7/1
- **Council adoption (JUN)**



Why yes, I'm a bit stressed.
Why do you ask?



TOWN of CARY

Cary's Capital Budgeting Process – Development Tools

Capital project and CIB/P development is accomplished by utilizing a combination of an Access database, Excel spreadsheets and Word documents.

Capital Request Database – Critical to collect written requests with all of the information needed clearly identified

- An in-house developed Access database is used to build the CIB/P.
- Project Managers create capital budget and plan project requests.
- Project Managers indicate whether each project request is meant to be considered for the final CIB/P or if the request serves more as an acknowledgement of future need (**Programmed/Planned vs Not**)
- The Budget Office updates the database as funding decisions are made in order to produce what becomes the Manager's Recommended CIB/P

Capital Request Database





Town of Cary Capital Request Database Main Menu

Fiscal Year: 2017 Report for Fy: 2017 Budget [Exit Database](#)

Request Form Entry and Search CIB/P Reporting CIB/P Reporting with Descriptions Project Budget Set-Up Detail Reports

Requesting Department

Enter Department






-  Enter New Projects or Edit/View Existing Project Requests
-  Capital Request Filterable Form
-  Fast Filter
-  Department/Division Impacts

Capital Request Database

Town of Cary Capital Request Database Main Menu

Fiscal Year: 2017 Report for Fy: 2017 Budget [Exit Database](#)

Request Form Entry and Search CIB/P Reporting CIB/P Reporting with Descriptions Project Budget Set-Up Detail Reports


-  Programmed/Planned Projects
-  Not Programmed/Not Planned Projects
-  Programmed Project CIB Year Only
-  Not Programmed Project CIB Year Only
-  Final Budget Document Format


Capital Request Database

Town of Cary Capital Request Database Main Menu

Fiscal Year: 2017 Report for Fy: 2017 Budget [Exit Database](#)

Request Form Entry and Search CIB/P Reporting CIB/P Reporting with Descriptions Project Budget Set-Up Detail Reports

 Programmed/Planned Projects

 Not Programmed/Not Planned Projects

Capital Request Database

The screenshot shows the 'Town of Cary Capital Request Database Main Menu' window. At the top, there are fields for 'Fiscal Year' and 'Report for Fy', both set to '2017'. To the right are buttons for 'Budget' and 'Exit Database'. Below these are four tabs: 'Request Form Entry and Search', 'CIB/P Reporting', 'CIB/P Reporting with Descriptions', and 'Project Budget Set-Up Detail Reports'. Under the 'Request Form Entry and Search' tab, there is a 'Requesting Department' dropdown menu with the text 'Enter Department'. Below the dropdown is a list of options, each with a small icon: 'Enter New Projects or Edit/View Existing Project Requests' (document icon), 'Capital Request Filterable Form' (calendar icon, circled in red), 'Fast Filter' (lightning bolt icon), and 'Department/Division Impacts' (sun icon).

Capital Request Database

File

Home

Create

External Data

Database Tools

View

Paste

Copy

Format Painter

Clipboard

Filter

Ascending

Descending

Selection

Advanced

Remove Sort

Toggle Filter

Sort & Filter

Refresh All

New

Save

Delete

More

Records

Find

Go To

Select

Find

Find

Replace

Size to Fit Form

Switch Windows

Window

B

I

U

A

Text Formatting

Go To Edit Project Detail

Show All FYs

Close Form

Refresh

Show only Programmed and/or Planned Projects

Priority

PBB Tier

Bond Fund

Project Title

Project Manager

Responsible Department

Service Related

Growth Related

Business Services

Project Total

Appropriated Through FY2016

FY 2017 Requested

FY 2018

FY 2019

FY 2020

FY 2021

New	PARKS	Acquisition - Land	NOT Programmed for	NOT Planned for Funding	H	1	None	Acquisition - Greenway Property	Joe Godfrey	None	Yes	No	Transp ortatio	\$5,500,000	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	
GG5000	GENERAL	Acquisition - Land	NOT Programmed for	NOT Planned for Funding	H	1	None	Acquisition - Land banking	Stacey Teachey	None	No	Yes	Town Manage	\$3,342,178	\$725,704	\$109,554	\$137,337	\$165,120	\$192,903	\$220,686	
New	PARKS	Acquisition - Land	NOT PROGRAMMED	NOT PLANNED for	H	1	None	Acquisition - Park Land	Paul Kuhn	None	Yes	No	Transp ortatio	\$55,000,000	\$0	\$3,750,000	\$4,000,000	\$4,250,000	\$4,500,000	\$4,750,000	
New	GENERAL	Major Maintenance	PROGRAMMED for Funding	PLANNED for Funding	H	4		ADA Improvements at Town Facilities	Reid Saunders	None	No	No	Transp ortatio	\$335,350	\$0	\$0	\$0	\$335,350	\$0	\$0	
New	FIRE	Fire Apparatus	PROGRAMMED for Funding	PLANNED for Funding	M	1	None	Aerial Ladder Replacement	Loren Cone	None	No	Yes	Fire	\$4,150,000	\$0	\$0	\$0	\$0	\$2,750,000	\$1,400,000	
New	FIRE	Fire Apparatus	NOT Programmed for	NOT Planned for Funding	H	1	None	Aerial Ladder Truck (New)	Loren Cone	None	Yes	No	Fire	\$1,400,000	\$0	\$1,400,000	\$0	\$0	\$0	\$0	
GG1110	GENERAL	Special Projects	NOT Programmed for	NOT Planned for Funding	H	2	None	Aerial Topographic Mapping	Lori Cove	None	No	Yes	Transp ortatio	\$850,000	\$300,000	\$0	\$50,000	\$0	\$350,000	\$50,000	
GG4002	GENERAL	Planning	PROGRAMMED for Funding	PLANNED for Funding	M	4		AH - Downtown Rehab and Façade Improvement	Phil Smith	None	No	No	Plannin g	\$781,441	\$181,441	\$75,000	\$75,000	\$50,000	\$50,000	\$50,000	
GG4005	GENERAL	Planning	PROGRAMMED for Funding	PLANNED for Funding	M	3		AH - Minimum Housing Demolition	Phil Smith		No	Yes	Plannin g	\$412,000	\$74,500	\$50,000	\$25,000	\$0	\$25,000	\$0	
GG4001	GENERAL	Planning	PROGRAMMED for Funding	PLANNED for Funding	M	4		AH - Owner-Occupied Housing Rehabilitation	Phil Smith	None	No	No	Plannin g	\$2,324,356	\$524,356	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	
New	GENERAL	Special Facilities for	PROGRAMMED for Funding	PLANNED for Funding	L	1	None	Alternative Fueling Feasibility Study/Station	Scott Hecht	None	No	Yes	Public Works	\$450,000	\$0	\$0	\$0	\$0	\$0	\$0	
New	PARKS	Renovations - Park &	PROGRAMMED for Funding	PLANNED for Funding	H	1	None	Annie Jones Park Tennis Court Renovations	Amy Mackintosh	None	No	Yes	Transp ortatio	\$650,000	\$0	\$0	\$0	\$50,000	\$0	\$600,000	
New	PARKS	Greenways	NOT Programmed for	NOT Planned for Funding	H	1		Annie Jones Park Greenway	Amy Mackintosh		No	Yes	Transp ortatio	\$450,000	\$0	\$0	\$0	\$100,000	\$0	\$350,000	
New	GENERAL	Special Projects	PROGRAMMED for Funding	PLANNED for Funding	H	2	None	Application Software Replacement Project	Scott Clark	None	No	Yes	Tech Service	\$800,000	\$0	\$0	\$575,000	\$225,000	\$0	\$0	
WT1228	WATER	Other Water Projects	PROGRAMMED for Funding	PLANNED for Funding	H	1	None	Aquasat Additional Infrastructure	Karen Mills	None	No	Yes	Finance	\$225,000	\$75,000	\$0	\$0	\$0	\$0	\$75,000	
New	WATER	Water Lines	PROGRAMMED for Funding	PLANNED for Funding	M	1	None	Arthur Pierce Road Water Line Connector	Glen Harrell	None	No	Yes	Water Resourc	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0	
New	TRANSPORTATION	Road Capacity	NOT PROGRAMMED	NOT PLANNED for	M	1	None	Arthur Pierce Road Widening	Jerry Jensen	None	Yes	No	Transp ortatio	\$8,500,000	\$0	\$0	\$0	\$0	\$0	\$0	
New	PARKS	Major Maintenance	PROGRAMMED for Funding	PLANNED for Funding	H	3	None	Athletic Field Bleacher Replacement	Larry Dempsey	None	No	Yes	Public Works	\$243,000	\$0	\$0	\$0	\$48,000	\$0	\$25,000	
New	PARKS	Parks	NOT Programmed for	NOT Planned for Funding	H	2	None	Athletic Field Conversion	Paul Kuhn	None	No	Yes	Transp ortatio	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	
														\$1,811,439,595	\$210,958,670	106,154,414	102,481,295	108,263,008	\$72,155,349	\$85,388,092	162
														FY 2017 Thru FY 2027 =		\$1,311,522,154					
														Total CIP Period		\$1,600,480,925					

Record: 1 of 401

No Filter

Search

Form View

Num Lock

Capital Request Database

Cary/Apex Water Treatment Facility - Phase III Expansion - 40 to 56 MGD

[Print Draft \(This Record\)](#)
[Refresh Project Info](#)
[Funding Target Info](#)
[Add New Project](#)
[Save Project](#)
[Close Form](#)

[Print Draft \(Range\)](#)
[Delete Project](#)
[Link/View Additional Info](#)

Project Title Cary/Apex Water Treatment Facility - Phase III Expansion
Project Category WATER
Project Type Water Treatment
Project Code WT1148 **Priority** H

FY 2017 Capital Costs: \$4,750,000
Ten Year Plan Costs: \$

Project Manager Glen Harrell
Requesting Department Water Resources

IMPORTANT!
 First 5 Years of the CIB/P (2017 - 2021)
 PROGRAMMED for Funding
 Last 6 Years of the CIB/P: (2022 - 2027)
 PLANNED for Funding

Project Description Double click to zoom
 This project provides for the expansion of the Cary/Apex Water Treatment Facility's capacity from 40 to 56 million gallons per day (MGD). The construction bid for this project was awarded by the Cary Town Council on March 27, 2014. Total project cost is estimated at \$82,250,000. \$77,500,000 has been appropriated through 2015 for design, permitting and construction. An additional \$4,750,000 is requested in FY 2017 for construction of a fourth clearwell with a capacity of three million gallons.

Project Justification Double click to zoom
 The expansion funded by this project was identified in the Cary/Apex Water Treatment Facility re-rating and capacity study as necessary to appropriately meet projected water treatment demands.

Impact if Cancelled or Delayed Double click to zoom

Project Drivers

Growth Related: Yes
 Service Related: No
 Part of Master Plan: Yes
 Externally Mandated: No
 Better Way: No

Operating Impacts - Revenue Generation, Savings and Operating and Start-Up Costs

Implementation Schedule

	Estimated Start Date	Estimated End Date
Site Acquisition:	7/1/2014	12/15/2016
Design/Permitting:	12/16/2016	10/1/2017
Construction:	12/1/2017	10/31/2018
Purchase:		

For Purchase Only: (Start Date = Ordered End Date = Delivered)

Project Cost Summary

[Create FY Schedule](#)
[Funding Request Entry](#)

Appropriations to Date
 \$77,500,000
Budget Year Request
 2017 \$4,750,000

Fiscal Year	Amount
2018	\$0
2019	\$0
2020	\$0
2021	\$0
2022	\$0
2023	\$0
2024	\$0
2025	\$0
2026	\$0
2027	\$0
*	0
Total:	\$82,250,000

Project Funding Details

Partner Reimbursements: C/A WTP Project

Grant Funding (Awarded Grants Only)

Grant Name:
 Date Awarded:
 Grant Amount: \$0
 Town Amount: \$0
 Total Grant Funds: \$0

Record: 1 of 1

Transportation Projects % of project eligible for Powell Bill funding: 0%
 Does project involve a State Maint. Street:
 % of project eligible for TDF funding: 0%

PRCR Projects
 Is project eligible for PIL Funding? ☐

Bond Funding
 Is funding request supported with new GO Bond Referendum \$'s? ☐
 If Checked, indicate the fiscal year the GO referendum was approved.:
 How much (in \$'s):

Description

Justification

Oper. Impacts

Capital Request Database

Cary/Apex Water Treatment Facility - Phase III Expansion - 40 to 56 MGD

Save Record

Revenue Generation

Once complete, will project generate fee revenue? ☐

Estimated amount of annual fee revenue
to be generated in today's dollars:

How will fee revenue be generated?:

Cost Savings

Estimated Annual Savings
in Current Year \$'s:

Reason for cost savings:

Operating Costs

This section focuses on quantifying all costs associated with operating the facility or object once it enters service.

Operational, whether partially or fully, is defined as the date at which the facility or object is placed into service. At that point, all costs associated with operating the facility or object should be included in the operating budget. Quantifying those costs here provides an understanding of how building or acquiring this facility or object will affect the Town's operating budget.

Date Project Becomes Operational
(when operating costs, whether
partial or full, will begin):

10/31/2018

Fiscal Year in which
operating costs begin:

2019

Departments/Divisions That Should Review and/or be
Aware of These Impacts:

Department/Division

Cary/Apex Water Treatment Plant

Facilities Management

*

Current Costs for Full Year

Personnel:

Operating and Maintenance:

Capital:

Total:

Future Costs Based on Operational Date

Personnel:

Operating and Maintenance:

Capital:

Total:

Do these operating costs
affect the operating budget
that is currently being built?:

If the answer to the previous
question is "YES", have these
costs been entered in the
Operating Budget Database?:

Capital Request Database

Start Up Costs

This section focuses on quantifying materials and supplies costs associated with testing a facility prior to it becoming fully operational. Start-Up costs are considered a part of the capital project. This section most frequently applies to utility-related facilities.

Please indicate the estimated beginning and end dates for the start-up process associated with this capital request. Next, enter the amount included in the project funding request for each of the start-up cost categories noted. Be sure that estimated start-up costs account for inflation.

IMPORTANT: Numbers keyed into these fields are NOT automatically included in project's funding request(s)! Once a project's Start-Up cost needs have been determined, you must make sure to add these dollar amounts into the appropriate accounts and fiscal years in the "FY Account Expenditures Set-Up" portion of the Capital Project Request form. Noting these costs in the Start Up Cost Section IS NOT an official funding request.

Start date:	End date:	Months Needed
<input type="text" value="10/31/2018"/>	<input type="text" value="1/15/2019"/>	<input type="text" value="3"/>

Current Costs for Full Year
Fuel:
Chemicals:
Equipment:
Other:
Total Cost:

Future Costs for Start Up Period
Fuel:
Chemicals:
Small Equipment/Furniture:
Other:
Total Cost:

Note: Before clicking the button above to perform calculations, please enter all information including Start and End Date and all associated Current Costs for Full Year.

Other Description (Brief):

Capital Request Database

Cary/Apex Water Treatment Facility - Phase III Expansion - 40 to 56 MGD

[Print Draft \(This Record\)](#)
[Refresh Project Info](#)
[Funding Target Info](#)
[Add New Project](#)
[Save Project](#)
[Close Form](#)

[Print Draft \(Range\)](#)
[Delete Project](#)
[Link/View Additional Info](#)

Project Title Cary/Apex Water Treatment Facility - Phase III Expansion
Project Category WATER
Project Type Water Treatment
Project Code WT1148 **Priority** H

FY 2017 Capital Costs: \$4,750,000
Ten Year Plan Costs: \$

Project Manager Glen Harrell
Requesting Department Water Resources

Project Description Double click to zoom
 This project provides for the expansion of the Cary/Apex Water Treatment Facility's capacity from 40 to 56 million gallons per day (MGD). The construction bid for this project was awarded by the Cary Town Council on March 27, 2014. Total project cost is estimated at \$82,250,000. \$77,500,000 has been appropriated through 2015 for design, permitting and construction. An additional \$4,750,000 is requested in FY 2017 for construction of a fourth clearwell with a capacity of three million gallons.

Project Justification Double click to zoom
 The expansion funded by this project was identified in the Cary/Apex Water Treatment Facility re-rating and capacity study as necessary to appropriately meet projected water treatment demands.

Impact if Cancelled or Delayed Double click to zoom

Part of Master Plan Yes

Externally Mandated No

Better Way No

Operating Impacts - Revenue Generation, Savings and Operating and Start-Up Costs

Implementation Schedule

	Estimated Start Date	Estimated End Date
Site Acquisition:	7/1/2014	12/15/2016
Design/Permitting:	12/16/2016	10/1/2017
Construction:	12/1/2017	10/31/2018
Purchase:		

For Purchase Only: (Start Date = Ordered End Date = Delivered)

Project Cost Summary

[Create FY Schedule](#)

Funding Request Entry

Appropriations to Date: \$77,500,000

Budget Year Request: 2017 \$4,750,000

Fiscal Year	Amount
2018	\$0
2019	\$0
2020	\$0
2021	\$0
2022	\$0
2023	\$0
2024	\$0
2025	\$0
2026	\$0
2027	\$0
* 0	\$0

Total: \$82,250,000

Project Funding Details

Partner Reimbursements: C/A WTP Project

Grant Funding (Awarded Grants Only)

Grant Name:

Date Awarded:

Grant Amount: \$0

Town Amount: \$0

Total Grant Funds: \$0

Record: 1 of 1

Transportation Projects % of project eligible for Powell Bill funding: 0%

Does project involve a State Maint. Street: % of project eligible for TDF funding: 0%

PRCR Projects

Is project eligible for PIL Funding?

Bond Funding

Is funding request supported with new GO Bond Referendum \$'s?

If Checked, indicate the fiscal year the GO referendum was approved.:

How much (in \$'s):

Capital Request Database

Fiscal Year Expenditures Account Set Up

Validate and Close
Form

Funding Request Verification	Fiscal Year	Land/Site Acquisition	Severance Damages	Contracted Services	Construction	Equipment	Supplies	Furniture/ Fixtures	Computer Software	Amount
<input checked="" type="checkbox"/>	2017	\$0	\$0	\$500,000	\$4,250,000	\$0	\$0	\$0	\$0	\$4,750,000
<input checked="" type="checkbox"/>	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2023	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2024	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2025	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2026	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<input checked="" type="checkbox"/>	2027	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital Request Database

Print Draft (This Record)

Refresh Project Info

Print Draft (Range)

Delete Project

Funding Target Info

Add New Project

Save Project

Close Form

Link/View Additional Info

Project Title

Cary/Apex Water Treatment Facility - Phase III Expansion

FY 2017 Capital Costs: \$4,750,000

Ten Year Plan Costs: \$

Project Category

WATER

Project Type

Water Treatment

Project Code

WT1148

Priority

H

IMPORTANT!

First 5 Years of the CIB/P: (2017 - 2021)

PROGRAMMED for Funding

Last 6 Years of the CIB/P: (2022 - 2027)

PLANNED for Funding

Project Manager

Glen Harrell

Requesting Department

Water Resources

Project Description

Double click to zoom

This project provides for the expansion of the Cary/Apex Water Treatment Facility's capacity from 40 to 56 million gallons per day (MGD). The construction bid for this project was awarded by the Cary Town Council on March 27, 2014. Total project cost is estimated at \$82,250,000. \$77,500,000 has been appropriated through 2015 for design, permitting and construction. An additional \$4,750,000 is requested in FY 2017 for construction of a fourth clearwell with a capacity of three million gallons.

Project Justification

Double click to zoom

The expansion funded by this project was identified in the Cary/Apex Water Treatment Facility re-rating and capacity study as necessary to appropriately meet projected water treatment demands.

Impact if Cancelled or Delayed

Double click to zoom

Project Drivers

Growth Related

Yes

Service Related

No

Part of Master Plan

Yes

Externally Mandated

No

Better Way

No

Operating Impacts - Revenue Generation, Savings and Operating and Start-Up Costs

Implementation Schedule

	Estimated Start Date	Estimated End Date
Site Acquisition:	7/1/2014	12/15/2016
Design/Permitting:	12/16/2016	10/1/2017
Construction:	12/1/2017	10/31/2018
Purchase:		

For Purchase Only: (Start Date = Ordered End Date = Delivered)

Funding Request Entry

Appropriations to Date

\$77,500,000

Budget Year Request

2017

\$4,750,000

Fiscal Year	Amount
2018	\$0
2019	\$0
2020	\$0
2021	\$0
2022	\$0
2023	\$0
2024	\$0
2025	\$0
2026	\$0
2027	\$0
*	0
Total:	\$82,250,000

Project Funding Details

Partner Reimbursements:

C/A WTP Project

Grant Funding (Awarded Grants Only)

Grant Name:

Date Awarded:

Grant Amount:

\$0

Town Amount:

\$0

Total Grant Funds:

\$0

Record: 1 of 1

Transportation Projects

% of project eligible for Powell Bill funding:

0%

Does project involve a State Maint. Street:

% of project eligible for TDF funding:

0%

PRCR Projects

Is project eligible for PIL Funding?

Bond Funding

Is funding request supported with new GO Bond Referendum \$'s?

If Checked, indicate the fiscal year the GO referendum was approved.:

How much (in \$'s):

63

TOWN of CARY

Capital Request Database

Q&A

Priority Based Budgeting: Choose Division # to limit program list: Select the PBB Program best supported by this project.:

Select the PBB Goal best supported by this project.: PBB Program.: PBB Tier:

Follow-Up Questions and Responses:

Once the project request submittal date has passed, Budget Office staff will input follow-up questions and requests for additional information in the boxes appearing below. Please provide a written response in the appropriate box for each question/request for information that is posed.

Question #:	1
Have start up costs been included within the appropriations to date?	
Answer	
Provided by Glen Harrell:	
Yes. See attached staff report WR14-005 which indicated that the \$634,000 needed for start-up were funded through the FY 2015 capital project appropriation to this project.	

Record: 1 of 2 No Filter

Record: 1 of 1 Filtered

Capital Request Database

REPORT

Town of Cary		Capital Project Request Report		For FY 2017 Capital Planning Purposes																																										
Project Title: <u>Cary/Apex Water Treatment Facility - Phase III Expansion - 40 to 56 MGD</u>				FY 2017 Capital Costs: \$4,750,000 Ten Year Plan Costs: \$ Project Manager: <u>Glen Harrell</u> Requesting Department: <u>Water Resources</u>																																										
Project Category: <u>WATER</u>		First 5 Years of the CIB/P (2017 - 2021) PROGRAMMED for Funding																																												
Project Type: <u>Water Treatment</u>		Last 6 Years of the CIB/P (2022 - 2027) PLANNED for Funding																																												
Project Code: <u>WT1148</u>		Priority: <u>H</u>																																												
Description <p>This project provides for the expansion of the Cary/Apex Water Treatment Facility's capacity from 40 to 56 million gallons per day (MGD). The construction bid for this project was awarded by the Cary Town Council on March 27, 2014. Total project cost is estimated at \$82,250,000. \$77,500,000 has been appropriated through 2015 for design, permitting and construction. An additional \$4,750,000 is requested in FY 2017 for construction of a fourth clearwell with a capacity of three million gallons.</p> <p>As with all Cary/Apex Water Treatment Facility projects, the Town of Apex is responsible for 23% of the project cost while the Town of Cary addresses the remaining 77%.</p>																																														
Justification <p>The expansion funded by this project was identified in the Cary/Apex Water Treatment Facility re-rating and capacity study as necessary to appropriately meet projected water treatment demands.</p>																																														
Impact if Cancelled or Delayed																																														
Project Drivers			Project Cost Summary																																											
Growth Related: <u>Yes</u> Service Related: <u>No</u> Part of Master Plan: <u>Yes</u> Externally Mandated: <u>No</u> Better Way: <u>No</u>			Project Funding Details Appropriations to Date: \$77,500,000 Partner Reimbursements: C/A WTP Project Transportation Projects Does project involve a State Maint. Street: N/A % of project eligible for Powell Bill funding: 0% % of project eligible for TDF funding: 0%																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Implementation Schedule</th> <th>Estimated Start Date</th> <th>Estimated End Date</th> </tr> </thead> <tbody> <tr> <td>Site Acquisition:</td> <td>7/1/2014</td> <td>12/15/2016</td> </tr> <tr> <td>Design/Permitting:</td> <td>12/16/2016</td> <td>10/1/2017</td> </tr> <tr> <td>Construction:</td> <td>12/1/2017</td> <td>10/31/2018</td> </tr> <tr> <td>Purchase:</td> <td></td> <td></td> </tr> </tbody> </table> <p>For Purchase Only: (Start Date = Ordered End Date = Delivered)</p>			Implementation Schedule	Estimated Start Date	Estimated End Date	Site Acquisition:	7/1/2014	12/15/2016	Design/Permitting:	12/16/2016	10/1/2017	Construction:	12/1/2017	10/31/2018	Purchase:			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Budget Year</th> <th>Request Amount</th> </tr> </thead> <tbody> <tr><td>2017</td><td>\$4,750,000</td></tr> <tr><td>2018</td><td>\$0</td></tr> <tr><td>2019</td><td>\$0</td></tr> <tr><td>2020</td><td>\$0</td></tr> <tr><td>2021</td><td>\$0</td></tr> <tr><td>2022</td><td>\$0</td></tr> <tr><td>2023</td><td>\$0</td></tr> <tr><td>2024</td><td>\$0</td></tr> <tr><td>2025</td><td>\$0</td></tr> <tr><td>2026</td><td>\$0</td></tr> <tr><td>2027</td><td>\$0</td></tr> <tr> <td>Total:</td> <td>\$82,250,000</td> </tr> </tbody> </table>			Budget Year	Request Amount	2017	\$4,750,000	2018	\$0	2019	\$0	2020	\$0	2021	\$0	2022	\$0	2023	\$0	2024	\$0	2025	\$0	2026	\$0	2027	\$0	Total:	\$82,250,000
Implementation Schedule	Estimated Start Date	Estimated End Date																																												
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Total:	\$82,250,000																																													
PRCR Projects Is project eligible for PIL Funding? <input type="checkbox"/> Is funding request supported with GO bond Referendum \$'s <input type="checkbox"/> If Checked, indicate the fiscal year the GO referendum was approved: _____ If so, in which zone is it located?: N/A How much (in \$'s): _____																																														
Project Funding Details (continued) Bond Funding Is funding request Supported with GO bond Referendum \$'s <input type="checkbox"/> If Checked, indicate the fiscal year the GO referendum was approved: N/A How much (in \$'s): \$0																																														
Priority Based Budgeting Select the PBB Goal best supported by this project: Reliable, Sustainable Infrastructure Select the PBB Program best supported by this project: Water Treatment and Production Operations Tier: 1																																														

Capital Request Database

Fiscal Year Expenditures Account Set Up									
Fiscal Year:	Land/Site Acquisition:	Severance Damages:	Contracted Services:	Construction:	Equipment:	Supplies:	Furniture and Fixtures:	Computer Software:	Total:
2017	\$0	\$0	\$500,000	\$4,250,000	\$0	\$0	\$0	\$0	\$4,750,000
2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2024	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2025	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2026	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2027	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$500,000	\$4,250,000	\$0	\$0	\$0	\$0	\$4,750,000

Revenue Generation		Cost Savings	
Once complete, will project generate fee revenue? <input type="checkbox"/>		Estimated Annual Savings in Current Year \$'s: \$0	
Estimated amount of annual fee revenue to be generated in today's dollars: \$0		Reason for cost savings:	
How will fee revenue be generated?:			


Operating Costs			
This section focuses on quantifying all costs associated with operating the facility or object once it enters service. Operational, whether partially or fully, is defined as the date at which the facility or object is placed into service. At that point, all costs associated with operating the facility or object should be included in the operating budget. Quantifying those costs here provides an understanding of how building or acquiring this facility or object will affect the Town's operating budget.			
Date Project Becomes Operational : 10/31/2018		Fiscal Year in which operating costs begin: 2019	
(when operating costs, whether partial or full, will begin)			
Current Costs for Full Year Personnel: \$200,000 Operating and Maintenance: \$165,000 Capital: \$0 Total: \$365,000		Do these operating costs affect the operating budget that is currently being built?: No If the answer to the previous question is "YES", have these costs been entered in the Operating Budget Database?: No	
Future Costs Based on Operational Date Personnel: \$173,644 Operating and Maintenance: \$143,256 Capital: \$0 Total: \$316,900		Departments/Divisions That Should Review and/or be Aware of These Impacts: Cary/Apex Water Treatment Plant Facilities Management	

Start Up Costs			
This section focuses on quantifying materials and supplies costs associated with testing a facility prior to it becoming fully operational. Start-Up costs are considered a part of the capital project. This section most frequently applies to utility-related facilities. Please indicate the estimated beginning and end dates for the start-up process associated with this capital request. Next, enter the amount included in the project funding request for each of the start-up cost categories noted. Be sure that estimated start-up costs account for inflation.			
<u>IMPORTANT: Numbers keyed into these fields are NOT automatically included in project's funding request(s)! Once a project's Start-Up cost needs have been determined, you must make sure to add these dollar amounts into the appropriate accounts and fiscal years in the "FY Account Expenditures Set-Up" portion of the Capital Project Request form. Noting these costs in the Start Up Cost Section IS NOT an official funding request.</u>			
Start date:	End date:	Months Needed	
10/31/2018	1/15/2019	3	
Other Description (Brief):			
Current Costs for Full Year Fuel: \$0 Chemicals: \$0 Equipment: \$0 Other: \$634,000 Total Cost: \$634,000		Future Costs for Start Up Period Fuel: \$0 Chemicals: \$0 Equipment: \$0 Other: \$183,484 Total Cost: \$183,484	

Follow-Up Questions and Responses:	
Question 1:	
Have start up costs been included within the appropriations to date?	
Answer:	
Provided by: Glen Harrell:	
Yes. See attached staff report WR14-005 which indicated that the \$634,000 needed for start-up were funded through the FY 2015 capital project appropriation to this project.	

Capital Request Database

Town of Cary Capital Listing - Programmed/Planned Projects

			Project Total	Appropriations to Date	FY 2016 Requested	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
DOWNTOWN			Priority Codes: C=Committed (#1), H=High (#2), M=Medium (#3), L=Low (#4)												
															
			Special Projects												
DT - Business Improvement District	H	Ted Boyd	700,399	350,399	350,000	0	0	0	0	0	0	0	0	0	0
BondFund:															
DT - Downtown Improvements		Ted Boyd	2,028,056	1,278,056	450,000	300,000	0	0	0	0	0	0	0	0	0
BondFund:															
Total of Special Projects			2,728,455	1,628,455	800,000	300,000	0	0	0	0	0	0	0	0	0
Total of All DOWNTOWN			2,728,455	1,628,455	800,000	300,000	0	0	0	0	0	0	0	0	0

Total of Project Category from FY2016 Through FY2025 = 1,100,000

Total of Project Category from FY2016 Through FY2026 = 1,100,000

Capital Request Database

Town of Cary Capital Listing - Not Programmed/Not Planned Projects

				FY 2016 Requested	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
	Project Total	Appropriations to Date												
DOWNTOWN	Priority Codes: C=Committed (#1), H=High (#2), M=Medium (#3), L=Low (#4)													
Community Projects														
DT - Downtown Sofa Benches	L	Lori Cove	15,000	0	5,000	5,000	5,000	0	0	0	0	0	0	0
BondFund:														
Total of Community Projects	15,000	0	5,000	5,000	5,000	0	0	0	0	0	0	0	0	0
Special Facilities														
DT - Parking Facility - Downtown Library Site	H	Paul Kahn	8,800,000	400,000	400,000	8,000,000	0	0	0	0	0	0	0	0
BondFund: None														
Total of Special Facilities	8,800,000	400,000	400,000	8,000,000	0	0	0	0	0	0	0	0	0	0
Total of All DOWNTOWN	8,815,000	400,000	405,000	8,005,000	5,000	0	0	0	0	0	0	0	0	0

Total of Project Category from FY2016 Through FY2025 = 8,415,000

Total of Project Category from FY2016 Through FY2026 = 8,415,000

Other Development Tools

Prioritization Matrices and Criteria



Matrices are developed and scored by the Budget Office. They are:

- reviewed and approved by the departments/divisions
- provide an additional priority perspective to the Budget Office and Executive Team when making funding decisions.

Other Development Tools

Criteria, Weight and Scoring Values

Criteria	Weight	Scoring Values
Project Supports One or More of the Town's Priority Based Budgeting Goals <ul style="list-style-type: none"> - Attractive, Well-Planned and Livable Community - Economic Vitality and Development - Effective Transportation and Mobility - Quality Recreational, Leisure and Cultural Opportunities - Reliable, Sustainable Infrastructure - Safe Community - Governance 	4	0, 1, 2, 3 <ul style="list-style-type: none"> 0: Supports none of these goals 1: Supports one goal 2: Supports two or more goals 3: Supports all of these goals
Project Primarily Supports Priority Based Budgeting Programs Within Which Tier <ul style="list-style-type: none"> - Tier IV - Tier III - Tier II - Tier I 	4	0, 1, 2, 3 <ul style="list-style-type: none"> 0: Supports a Tier IV Program 1: Supports a Tier III Program 2: Supports a Tier II Program 3: Supports a Tier I Program
Project's Operating Impacts Identification of the project's ongoing personnel, operating and maintenance and capital costs upon project completion.	3	0, 1, 2, 3 <ul style="list-style-type: none"> 0: Net operational increase is \$100,000 to \$250,000 1: Net operational increase is \$50,000 to \$99,999 2: Net operational increase is \$25,000 to \$49,999 3: Net operational increase is < \$25,000
Project's Effects on Service Provision How does the completion of the project affect the Town's ability to provide existing services? Will it generally improve service provision or correct for current or future service issues?	2	0, 1, 2, 3 <ul style="list-style-type: none"> 0: Unable to determine project's effect on service provision 1: Project provides general improvements in service 2: Project prevents deterioration of service in the future 3: Project corrects for deteriorating conditions negatively affecting service provision.
Project's Initiation Timeframe What is the likelihood that a substantial amount of progress will have occurred within the first fiscal year of the project having been fully funded?	1	0, 1, 2, 3 <ul style="list-style-type: none"> 0: Project will not be substantially underway. 1: It is likely that the project will be substantially underway. 2: It is highly likely that the project will be substantially underway. 3: Project will be substantially underway.

Other Development Tools

Priority Matrix Entry

Project Title
Stormwater Condition Assessment and Rehabilitation Program

Project Code: New Project Category: GENERAL First 5 Years of the CIB/P: PROGRAMMED for Funding

Project Supports One or More of the Town's Priority Based Budgeting Goals **Weight = 4**

Supports two or more goals 8

Project Primarily Supports Priority Based Budgeting Programs Within Which Tier **Weight = 4**

Supports a Tier I Program 12

Project's Operating Impacts **Weight = 3**

Net operational increase is < \$25,000 9

Project's Effects on Service Provision **Weight = 2**

Project corrects for deteriorating conditions negatively affecting service provision. 6

Project's Initiation Timeframe **Weight = 1**

Project will be substantially underway. 3

Funding Source: Non-Dedicated Fund Type: General Total 38

Prioritization Matrix Notes:

Record: 47 of 401 No Filter Search

Other Development Tools

Priority Matrix Entry

Project Title
Batchelor Branch Greenway - Phases II and III

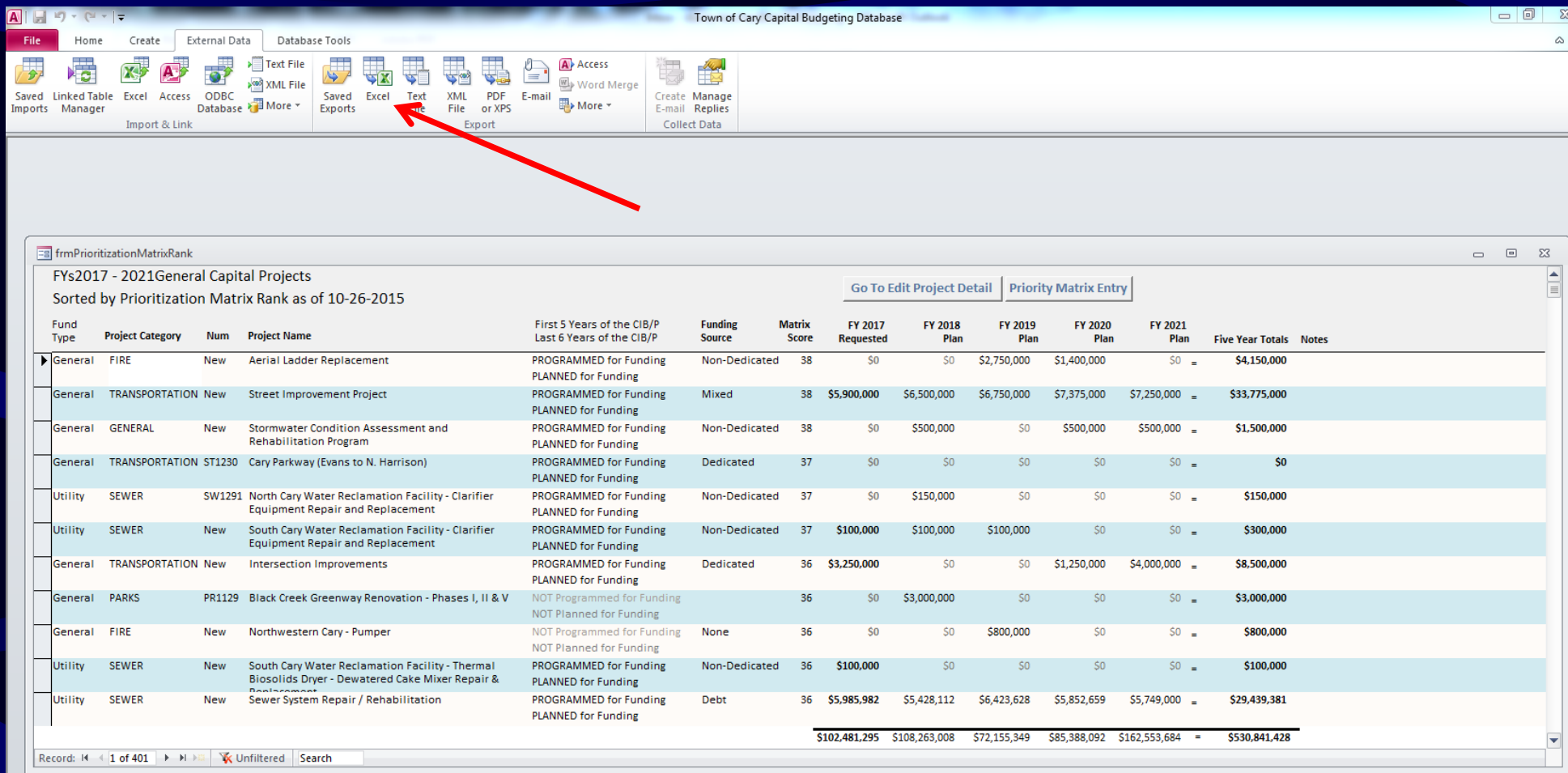
Project Code: New Project Category: PARKS First 5 Years of the CIB/P: NOT Programmed for Funding

Project Supports One or More of the Town's Priority Based Budgeting Goals	Weight = 4		
Supports two or more goals	8		
Project Primarily Supports Priority Based Budgeting Programs Within Which Tier	Weight = 4		
Supports a Tier I Program	12		
Project's Operating Impacts	Weight = 3		
Net operational increase is < \$25,000	9		
Project's Effects on Service Provision	Weight = 2		
Project provides general improvements in service.	2		
Project's Initiation Timeframe	Weight = 1		
Project will not be substantially underway.	0		
Funding Source: None	Fund Type: General	Total	31

Prioritization Matrix Notes:

Record: 62 of 401 No Filter Search

Other Development Tools



The screenshot displays the Microsoft Access interface for the 'Town of Cary Capital Budgeting Database'. The 'Database Tools' ribbon is active, and a red arrow points to the 'Excel' button under the 'Export' group. Below the ribbon, the 'frmPrioritizationMatrixRank' form is shown in a filterable table view. The table lists capital projects from FY2017 to FY2021, sorted by prioritization matrix rank as of 10-26-2015. The table includes columns for Fund Type, Project Category, Num, Project Name, CIB/P history, Funding Source, Matrix Score, and annual budget requests from FY 2017 to FY 2021, along with five-year totals and notes.

Fund Type	Project Category	Num	Project Name	First 5 Years of the CIB/P Last 6 Years of the CIB/P	Funding Source	Matrix Score	FY 2017 Requested	FY 2018 Plan	FY 2019 Plan	FY 2020 Plan	FY 2021 Plan	Five Year Totals	Notes
General	FIRE	New	Aerial Ladder Replacement	PROGRAMMED for Funding PLANNED for Funding	Non-Dedicated	38	\$0	\$0	\$2,750,000	\$1,400,000	\$0	\$4,150,000	
General	TRANSPORTATION	New	Street Improvement Project	PROGRAMMED for Funding PLANNED for Funding	Mixed	38	\$5,900,000	\$6,500,000	\$6,750,000	\$7,375,000	\$7,250,000	\$33,775,000	
General	GENERAL	New	Stormwater Condition Assessment and Rehabilitation Program	PROGRAMMED for Funding PLANNED for Funding	Non-Dedicated	38	\$0	\$500,000	\$0	\$500,000	\$500,000	\$1,500,000	
General	TRANSPORTATION	ST1230	Cary Parkway (Evans to N. Harrison)	PROGRAMMED for Funding PLANNED for Funding	Dedicated	37	\$0	\$0	\$0	\$0	\$0	\$0	
Utility	SEWER	SW1291	North Cary Water Reclamation Facility - Clarifier Equipment Repair and Replacement	PROGRAMMED for Funding PLANNED for Funding	Non-Dedicated	37	\$0	\$150,000	\$0	\$0	\$0	\$150,000	
Utility	SEWER	New	South Cary Water Reclamation Facility - Clarifier Equipment Repair and Replacement	PROGRAMMED for Funding PLANNED for Funding	Non-Dedicated	37	\$100,000	\$100,000	\$100,000	\$0	\$0	\$300,000	
General	TRANSPORTATION	New	Intersection Improvements	PROGRAMMED for Funding PLANNED for Funding	Dedicated	36	\$3,250,000	\$0	\$0	\$1,250,000	\$4,000,000	\$8,500,000	
General	PARKS	PR1129	Black Creek Greenway Renovation - Phases I, II & V	NOT Programmed for Funding NOT Planned for Funding		36	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000	
General	FIRE	New	Northwestern Cary - Pumper	NOT Programmed for Funding NOT Planned for Funding	None	36	\$0	\$0	\$800,000	\$0	\$0	\$800,000	
Utility	SEWER	New	South Cary Water Reclamation Facility - Thermal Biosolids Dryer - Dewatered Cake Mixer Repair & Replacement	PROGRAMMED for Funding PLANNED for Funding	Non-Dedicated	36	\$100,000	\$0	\$0	\$0	\$0	\$100,000	
Utility	SEWER	New	Sewer System Repair / Rehabilitation	PROGRAMMED for Funding PLANNED for Funding	Debt	36	\$5,985,982	\$5,428,112	\$6,423,628	\$5,852,659	\$5,749,000	\$29,439,381	
							\$102,481,295	\$108,263,008	\$72,155,349	\$85,388,092	\$162,553,684	\$530,841,428	

Records: 1 of 401 | Unfiltered | Search

This filterable form view of the priority matrix data can be sorted/filtered as needed and pushed into Excel for further analysis.

Other Development Tools

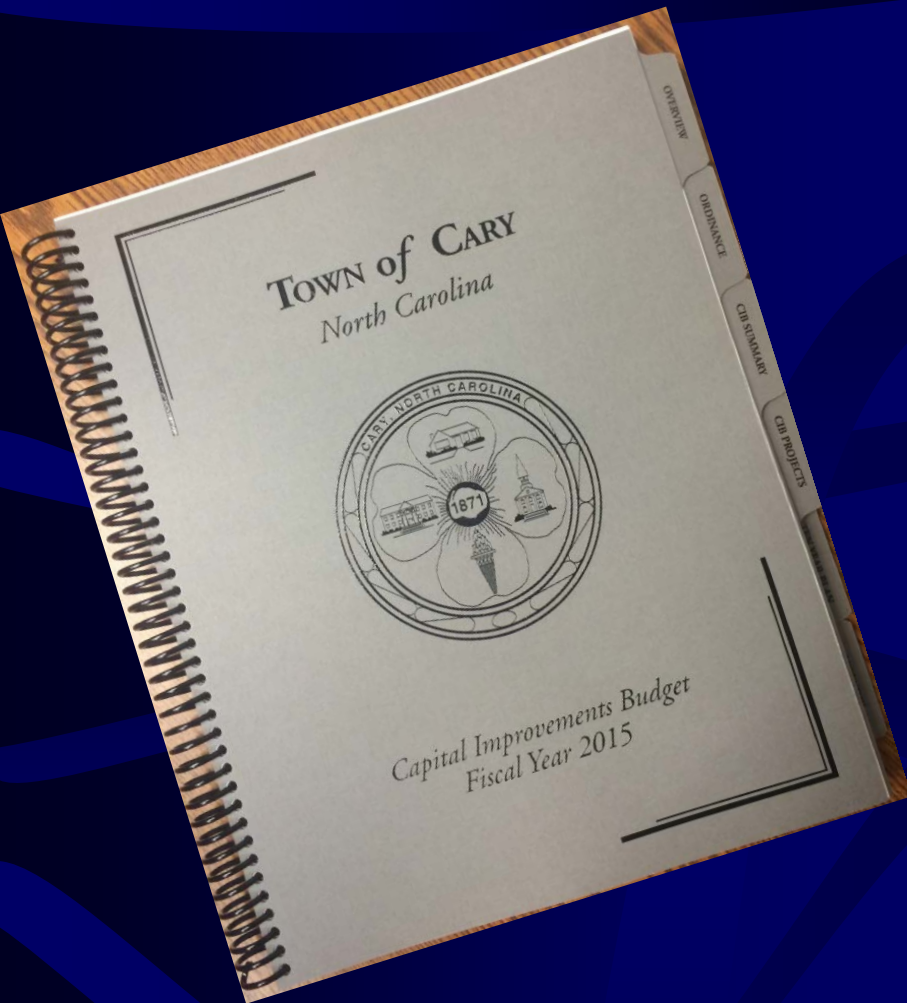
Capital Programming Schedules

Excel spreadsheets developed and maintained by the Budget Office that:

- record actual capital reserve fund revenues
- quantify all adopted and mid-year capital appropriations from the capital reserve funds
- project capital reserve revenues
- record actual capital reserve fund balance
- project future year capital reserve fund balance

General Capital Reserve		Change in Ending Fund Balance - FY 2015 Estimated Compared						
	E		FY 2013 Ending Fund Balance	FY 2014 Estimated Ending Fund Balance	FY 2015 Estimated Ending Fund Balance	% Change in Fund Balance FY 2015 vs FY 2014	as of 6/30/2015	
							Less 2015 Date (revenue via payments)	% Change in Fund Balance
		TDFs	8,252,071	2,249,976	2,227,300	-1%		
		Powell Bill	6,015,854	5,283,762	2,680,060	-49%		
		Vehicle License Fees	1,202,213	2,579,718	3,112,962	21%		
		Payment in Lieu Transportation	1,792,687	2,007,313	507,313	-75%		
		Payment in Lieu Street Lights	-	22,350	22,350	-		
		Payment in Lieu Bike Lanes	-	-	-	-		
		Reimbursements	-	-	-	-		
		Payment in Lieu Parks	3,387,138	4,742,809	1,684,809	-64%		
		Payment in Lieu Greenways	370,873	647,156	271,156	-58%		
		Interlocal Revenue	400,000	-	-	-		
		Miscellaneous	22,309	103,821	103,821	-		
		Parks Contributions	4,987,695	3,734,565	2,812,969	-25%		
		Unrestricted	1,048,297	1,150,354	1,108,607	-4%		
		Utility Franchise Fees	1,048,297	1,150,354	1,108,607	-4%		
		Totals	27,479,137	22,521,824	14,531,347	-35%		

The Final Product

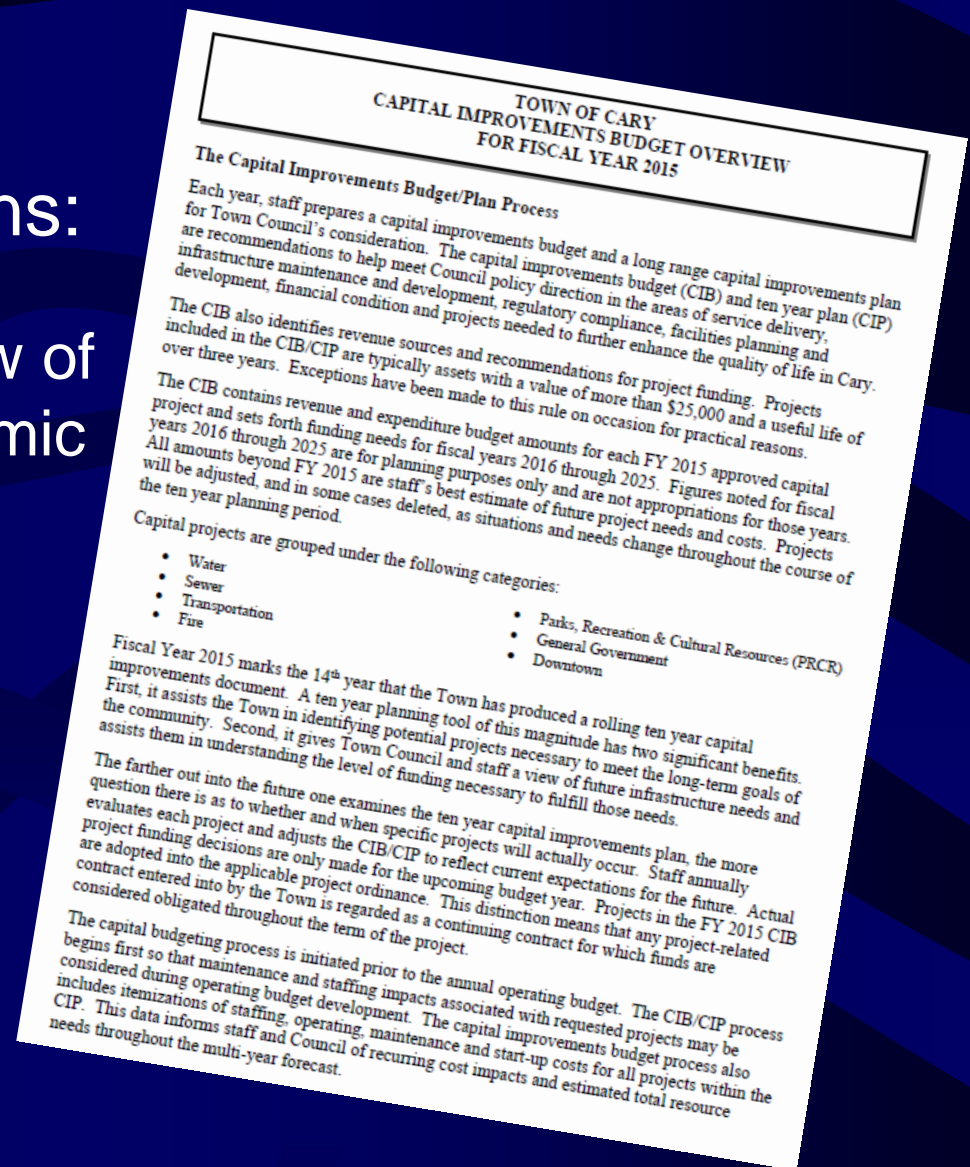


The Town of Cary presents its CIB/P in a capital specific document. Elements of this publication are also included in the Town's Annual Operating Budget document.

The Final Product

The CIB/P document contains:

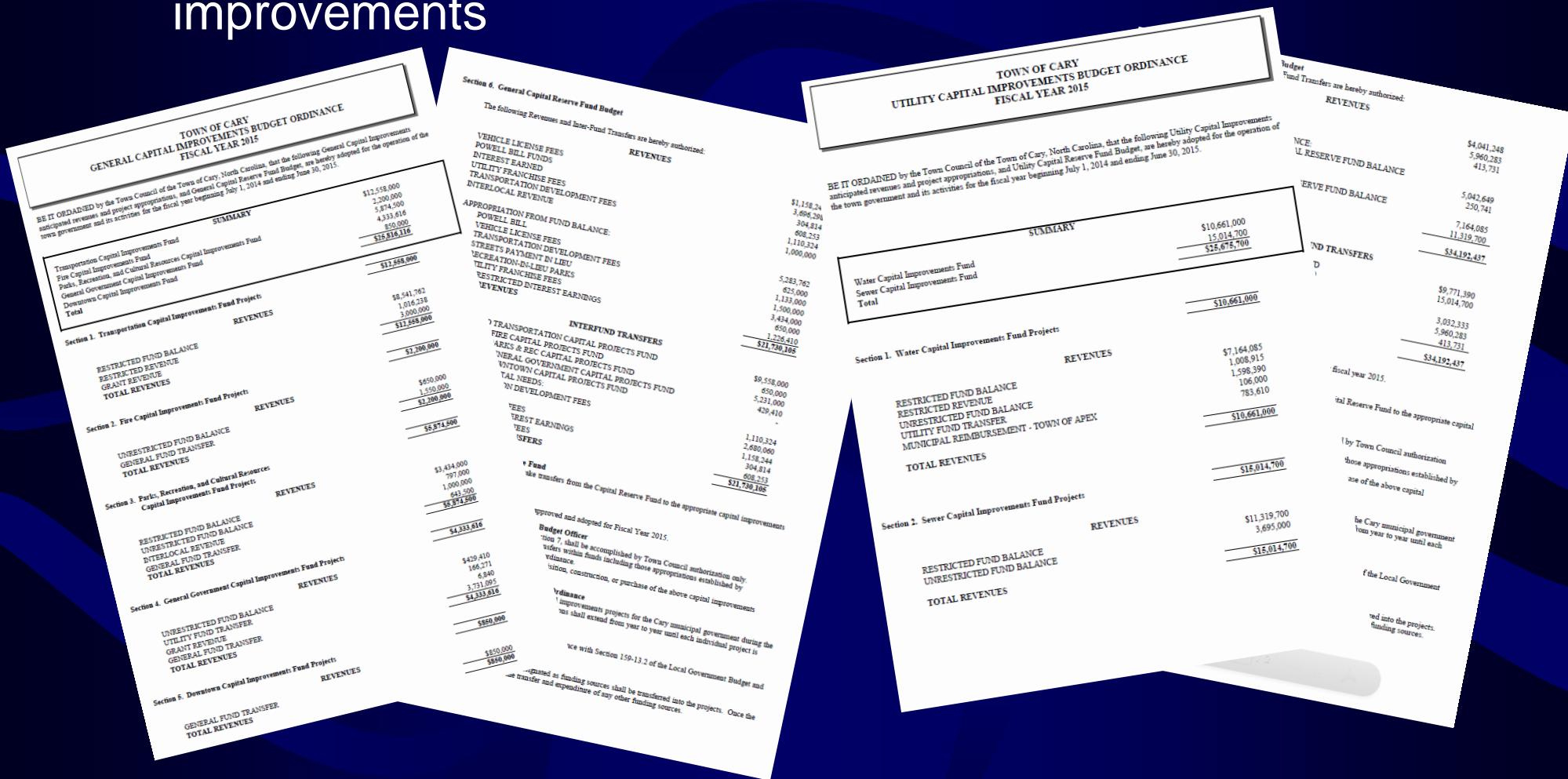
- A comprehensive overview of the CIB/P process, economic and other influences, revenue forecasts and appropriations



The Final Product

The CIB/P document contains:

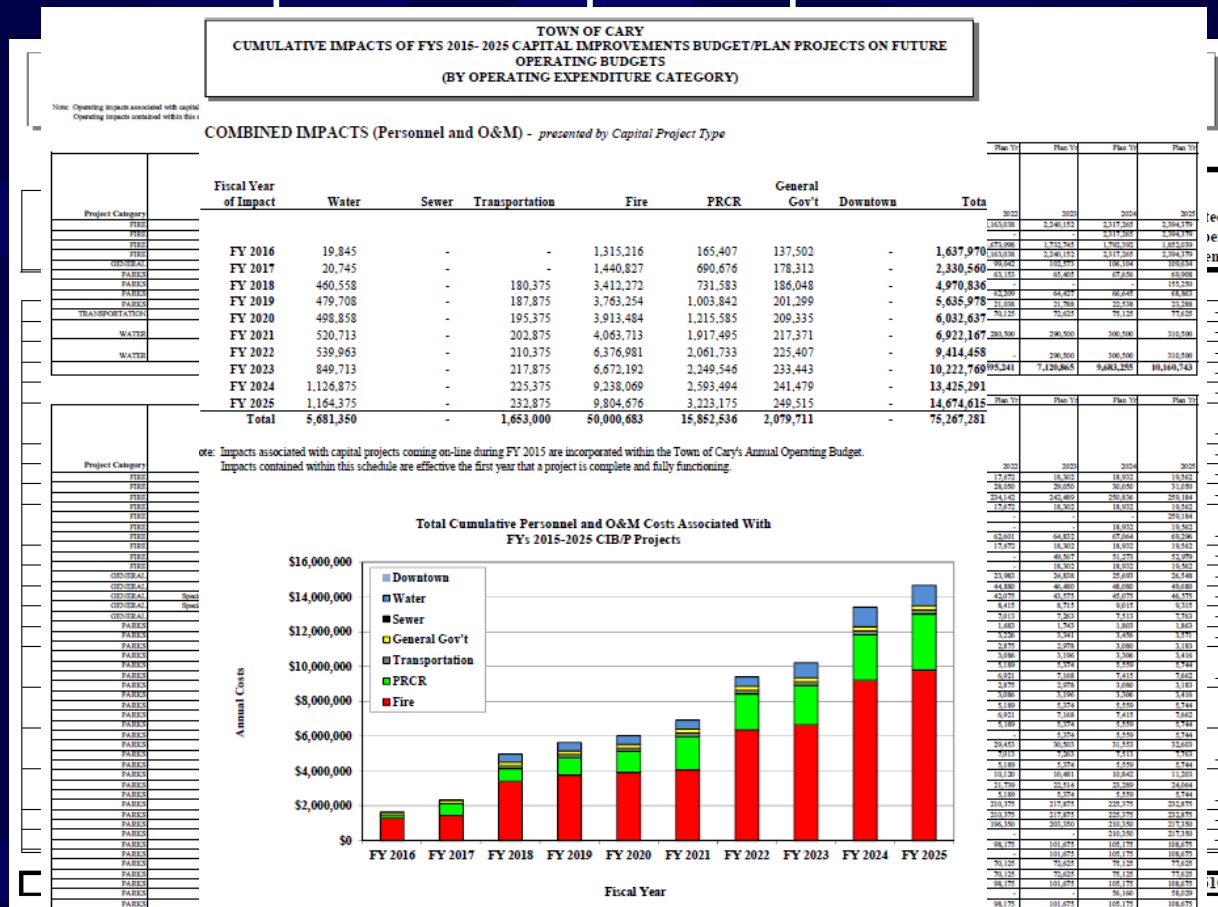
- Annual Budget ordinances for general and utility capital improvements



The Final Product

The CIB/P document contains:

- Summary reporting on capital-related revenues, expenditures, appropriations to date and operating budget impacts associated with planned capital improvements



The Final Product

C. FIRE

PROJECT TITLE: Walnut Street Area – Fire Station #9

RESPONSIBLE DEPARTMENT: Fire

PROJECT FUNDING: \$750,000

FIRST YEAR ESTIMATED OPERATING COSTS:

Personnel	\$1,192,994
Operating & Maintenance	\$44,635
Total	\$1,237,629

PROJECT DESCRIPTION:

This project supports the renovation of all or part of the existing structure that the Town purchased located at 1427 Walnut Street based on the outcome of a structural evaluation. If the existing structure is deemed unusable, a new building will be designed and constructed as a 17,500 square foot, multi-story masonry and steel structure. The fire station will be divided into three functional areas: a public/business area including supervisor offices for operational personnel, a watch room for communications and a kitchen for meal preparation and dining. The private employee area would include sleeping rooms, showers and restrooms. The engine room would have heated garage space for apparatus and equipment storage and a decontamination room for protective clothing maintenance.

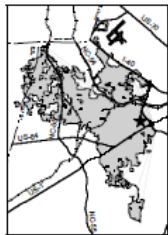
Total project cost is estimated at \$11,900,000. The \$750,000 appropriated in FY 2015 supports a structural evaluation of the existing building located on the property as well as design and permitting. An additional \$11,150,000 funding need has been identified in FY 2016 for station construction.

PROJECT JUSTIFICATION:

The Fire Department recommended the relocation of Fire Station 2 from its current location at 875 SE Maynard Road to East Chatham Street as a part of the voter approved 2012 GO bond referendum. The relocation of Fire Station #2 was based upon the concept that an additional fire station would then be needed in the Walnut Street and US 1 area to further enable the Fire Department to better address service demands and response-time goals in the southern area of its response district.

A station in the Walnut Street and US 1 area will enable the Fire Department to meet current and future demands associated with response-time goals in the southern portions of its service area (i.e. the Crossroads retail area through Holly Springs Road).

PROJECT LOCATION:



The CIB/P document contains:

- Detailed information on projects receiving funding in the budget year

The Final Product

The CIB/P document contains:

- The Adopted CIB and 10 Year CIP

Town of Cary Capital Budget and Plan - Programmed/Planned Projects

			FY 2016 Budget	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Project Total	Appropriations to Date												
WATER													
Total of All WATER	298,343,491	100,111,360	40,285,959	24,716,489	12,292,892	12,224,101	13,141,591	31,953,711	10,004,512	11,039,032	13,223,382	11,638,768	13,711,654
Total of Project Category from FY2016 Through FY2026 = 198,232,131													
Grand Total	873,897,230	154,735,593	77,974,050	64,545,781	59,843,279	41,057,574	52,329,988	85,550,730	68,049,248	61,111,406	90,712,619	49,516,618	68,470,344
Grand Total from FY2016 Through FY2026 = 719,161,637													

Project Management Tools

Once a project is approved (either through the annual budgeting process or as a mid-year appropriation), project managers provide periodic updates on their projects via the Capital Status Database.

Capital Status Database

- An in-house developed Access database is used to provide status updates on the Town's 426 active (general and utility) capital projects.
- Bi-Monthly meetings are held by the Budget Office on those projects identified as "Key" (67 of the 426)
- Information/reporting in this database serves as primary, centralized reference point for Town Manager, Budget Office, Public Information Office and departmental staff regarding project activity

Capital Status Database

Main Form



Welcome to the Town of Cary's Capital Status Database

Detailed Search

Select one or more of the following filters and click on "Retrieve" to access the Active or Closed project data screens.

Project Manager

Enter Manager

Department

Enter Department

Project #

Enter Number

Retrieve Active Projects

Retrieve Closed Projects

Quick Search

Click on the following button to open the Capital Status Filterable Form. This form allows you to filter, search, sort and export all or a portion of the project records housed in this database.

Capital Status Filterable Form

Fast Filter

Reporting

Budget Office

Capital Status Database – Fast Filter

Fast Filter Form

General Project Review Category	Utility Project Review Category	Is a Key Project Tagged	Bond Fund?	Proj. #	Project Name	Project Manager	Project Engineer	Project Category	Department	Project Priority Code	Growth Related	Service Related	State Street? (Y/N)	First-Year Funded (Calendar Year)	Bid Award Date	Notice to Proceed Date	Construction Start Date	Construction End Date	Cash Flow Start Date	Cash Flow End Date	% Designed	% Const	Estimated Completion Date	Marked for Closure
	Under Contract	<input type="checkbox"/>	None	SW1121	Wastewater SCADA Project	Jamie Revels		Sewer	Public Works & Utilities	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No	2005				12/30/15	10/01/07	12/30/15	100%	0%	12/30/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1123	WWRWMF - New Water Reclamation Facility - CARY	Alexandra Jones		Sewer	Engineering	C	<input type="checkbox"/>	<input type="checkbox"/>	No	2005	08/01/11	09/01/11	09/01/11	12/31/14	09/01/05	12/31/14	100%	99%	12/31/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1124	WWRWMF - Effluent Pump Station	Alexandra Jones		Sewer	Engineering	C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2005			07/01/12	05/28/14	03/01/06	12/31/15	100%	100%	12/31/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1125	WWRWMF - Project Management	Alexandra Jones		Sewer	Engineering	C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2005			08/01/11	12/01/14	01/01/06	12/31/15	0%		12/31/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1127	MM - Telemetry Upgrades for Morrisville WW Pump	Jamie Revels		Sewer	Public Works & Utilities	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No	2006			08/01/12	12/30/15	10/01/07		100%	0%	12/30/15	<input type="checkbox"/>
	Maintain	<input type="checkbox"/>	None	SW1130	Green Level Interceptor	Jarrod Buchanan	Jarrod Buchanan	Sewer	Engineering	H	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006	05/09/13	06/24/13	06/17/13	11/01/14	06/01/13	08/30/15	100%	99%	12/01/15	<input type="checkbox"/>
	Maintain	<input type="checkbox"/>	None	SW1132	MM - Kit Creek Basin Sanitary Sewers (Related to Kit Creek	Jamie Bissonette		Sewer	Engineering	C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006			06/01/13	02/15/16	06/01/13	02/15/16	25%		06/30/12	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1134	MM - Replacement/ Rehabilitation Sewer Main - FY 07	Lynn Briz		Sewer	Engineering		<input type="checkbox"/>	<input type="checkbox"/>	No	2006		11/18/13	11/18/13	11/18/14	12/31/07		100%	0%	09/30/15	<input type="checkbox"/>
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1138	Northwestern Area/Jordan Lake Reclaimed Water	Lynn Briz		Sewer	Engineering	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No	2006		06/16/14	04/01/14	12/31/14	09/16/13	07/01/16	100%	10%	07/01/16	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1143	WWR-W Cary Pump Station Upgrade	Shuyan Tian		Sewer	Engineering		<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006	01/12/12	03/12/12	04/01/12	08/25/14	11/01/08	12/31/15	100%	95%	12/31/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1144	WWR-W Cary Force Main South	Betsy Drake		Sewer	Engineering		<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006	04/23/12	07/10/12	09/01/12	07/15/14	08/01/08	12/31/15	100%	100%	12/31/16	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1145	WWR-W Reedy Branch Gravity Sewer Interceptor	Betsy Drake		Sewer	Engineering		<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006	04/23/12	07/01/12	09/01/12	07/15/14	09/01/08	12/31/15	100%	100%	12/31/16	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1146	WWR-Beaver Creek Pump Station	Shuyan Tian		Sewer	Engineering		<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006	01/12/12	03/12/12	04/01/12	08/25/14	05/19/06	12/31/15	100%	90%	12/31/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1147	WWR-Beaver Creek Force Main	Shuyan Tian		Sewer	Engineering		<input checked="" type="checkbox"/>	<input type="checkbox"/>	No	2006	05/11/12	07/30/12	10/01/12	05/01/14	05/19/06	12/31/15	100%	100%	12/31/15	<input type="checkbox"/>
	Legally Mandated	<input type="checkbox"/>	None	SW1148	WWRWMF-SCADA	Alexandra Jones		Sewer	Engineering		<input type="checkbox"/>	<input type="checkbox"/>	No	2006			09/01/11	10/31/14	02/01/07	12/31/15	100%	95%	12/31/15	<input type="checkbox"/>
	Maintain	<input type="checkbox"/>	None	SW1154	Biosolid Aeration System Improvements	Lynn Briz		Sewer	Engineering	H	<input type="checkbox"/>	<input type="checkbox"/>	No	2007			06/30/14	03/06/15	09/03/13	12/31/15	100%	0%	12/31/15	<input type="checkbox"/>
	Maintain	<input type="checkbox"/>	None	SW1155	Crabtree Interceptor/York Interceptor	David Hallgren		Sewer	Engineering		<input type="checkbox"/>	<input type="checkbox"/>	No	2007	05/15/09	07/02/09		06/30/08			33%	33%	06/30/16	<input type="checkbox"/>

Record: 1 of 433
Unfiltered
Search

Capital Status Database – Capital Status Filterable Form

General Project Review Category	Utility Project Review Category	Is a Key Project Tagged	Bond Fund?	Edit Project Details		Project Manager	Project Engineer	Project Category	Department	Project Priority Code	Growth Related	Services Related	State Street? (Y/N)	First-Year Funded (Calendar Year)	Bid Award Date	Notice to Proceed Date	Construction Start Date	Construction End Date	Cash Flow Start Date	Cash Flow End Date	% Designed	% Const	Estimated Completion Date	Project - to - Date		
				Proj. #	Project Name																			Budget	Encumb/Expends	Balance
	Under Contract	<input checked="" type="checkbox"/>	None	SW1121	Wastewater SCADA Project	Jamie Revels		Sewer	Public Works & Utilities	M	<input checked="" type="checkbox"/>	No	2005				12/30/15	10/01/07	12/30/15	100%	0%	12/30/15	\$1,266,694	\$278,703	\$987,991	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1123	WWRWMF - New Water Reclamation Facility - CARY	Alexandra Jones		Sewer	Engineering	C	<input checked="" type="checkbox"/>	No	2005	08/01/11	09/01/11	09/01/11	12/31/14	09/01/05	12/31/14	100%	99%	12/31/15	\$136,678,379	\$134,113,454	\$2,564,925	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1124	WWRWMF - Effluent Pump Station	Alexandra Jones		Sewer	Engineering	C	<input checked="" type="checkbox"/>	No	2005			07/01/12	05/28/14	03/01/06	12/31/15	100%	100%	12/31/15	\$8,957,953	\$7,116,154	\$1,841,799	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1125	WWRWMF - Project Management	Alexandra Jones		Sewer	Engineering	C	<input checked="" type="checkbox"/>	No	2005			08/01/11	12/01/14	01/01/06	12/31/15	0%		12/31/15	\$2,595,224	\$2,089,361	\$505,863	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1127	MM - Telemetry Upgrades for Morrisville WW	Jamie Revels		Sewer	Public Works & Utilities	H	<input checked="" type="checkbox"/>	No	2006			08/01/12	12/30/15	10/01/07		100%	0%	12/30/15	\$160,000	\$14,619	\$145,381	
	Maintain	<input checked="" type="checkbox"/>	None	SW1130	Green Level Interceptor	Jarrold Buchanan	Jarrold Buchanan	Sewer	Engineering	H	<input checked="" type="checkbox"/>	No	2006	05/09/13	06/24/13	06/17/13	11/01/14	06/01/13	08/30/15	100%	99%	12/01/15	\$7,510,969	\$6,523,101	\$987,868	
	Maintain	<input checked="" type="checkbox"/>	None	SW1132	MM - Kit Creek Basin Sanitary Sewers (Related to	Jamie Bissonette		Sewer	Engineering	C	<input checked="" type="checkbox"/>	No	2006			06/01/13	02/15/16	06/01/13	02/15/16	25%		06/30/12	\$5,471,452	\$2,611,069	\$2,860,383	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1134	MM - Replacement/Rehabilitation Sewer Main - FY 07	Lynn Briz		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006		11/18/13	11/18/13	11/18/14	12/31/07		100%	0%	09/30/15	\$1,161,300	\$849,315	\$311,985	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1138	Northwestern Area/Jordan Lake Reclaimed Water	Lynn Briz		Sewer	Engineering	H	<input checked="" type="checkbox"/>	No	2006		06/16/14	04/01/14	12/31/14	09/16/13	07/01/16	100%	10%	07/01/16	\$7,457,176	\$4,563,867	\$2,893,309	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1143	WWR-W Cary Pump Station Upgrade	Shuyan Tian		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006	01/12/12	03/12/12	04/01/12	08/25/14	11/01/08	12/31/15	100%	95%	12/31/15	\$11,279,482	\$8,884,654	\$2,394,828	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1144	WWR-W Cary Force Main South	Betsy Drake		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006	04/23/12	07/10/12	09/01/12	07/15/14	08/01/08	12/31/15	100%	100%	12/31/16	\$9,943,176	\$6,260,893	\$3,682,283	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1145	WWR-W Reedy Branch Gravity Sewer Interceptor	Betsy Drake		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006	04/23/12	07/01/12	09/01/12	07/15/14	09/01/08	12/31/15	100%	100%	12/31/16	\$12,304,175	\$6,576,868	\$5,727,307	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1146	WWR-Beaver Creek Pump Station	Shuyan Tian		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006	01/12/12	03/12/12	04/01/12	08/25/14	05/19/06	12/31/15	100%	90%	12/31/15	\$20,157,682	\$15,543,967	\$4,613,715	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1147	WWR-Beaver Creek Force Main	Shuyan Tian		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006	05/11/12	07/30/12	10/01/12	05/01/14	05/19/06	12/31/15	100%	100%	12/31/15	\$27,492,027	\$17,276,068	\$10,215,959	
	Legally Mandated	<input checked="" type="checkbox"/>	None	SW1148	WWRWMF-SCADA	Alexandra Jones		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2006			09/01/11	10/31/14	02/01/07	12/31/15	100%	95%	12/31/15	\$3,570,954	\$3,382,035	\$188,919	
	Maintain	<input checked="" type="checkbox"/>	None	SW1154	Biosolid Aeration System Improvements	Lynn Briz		Sewer	Engineering	H	<input checked="" type="checkbox"/>	No	2007			06/30/14	03/06/15	09/03/13	12/31/15	100%	0%	12/31/15	\$2,500,000	\$614,220	\$1,885,780	
	Maintain	<input checked="" type="checkbox"/>	None	SW1155	Crabtree Interceptor/York Interceptor	David Hallgren		Sewer	Engineering		<input checked="" type="checkbox"/>	No	2007	05/15/09	07/02/09			06/30/08		33%	33%	06/30/16	\$300,000	\$18,692	\$281,308	
	Under Contract	<input checked="" type="checkbox"/>	None	SW1156	Force Main Inspection & Rehabilitation - FY	Lynn Briz		Sewer	Engineering	H	<input checked="" type="checkbox"/>	No	2007			07/15/13	02/07/15	06/11/12	02/07/15	0%	10%	12/31/15	\$3,600,000	\$2,919,780	\$680,220	
	Maintain	<input checked="" type="checkbox"/>	None	SW1157	MM - Northwest Cary Wastewater Conveyance to	Jamie Bissonette	Jamie Bissonette	Sewer	Engineering		<input checked="" type="checkbox"/>	No	2007					06/01/12	12/31/13	0%	0%		\$818,000	\$204,333	\$613,667	
																							\$945,164,318	\$614,630,216	\$330,534,102	
Record: 1 of 433 Unfiltered Search																										

Record: 14 of 433 Unfiltered Search

Capital Status Database

Capital Status Update Form - Capital Status Project Update

File Home Create External Data Database Tools

Import & Link: Saved Imports, Linked Table Manager, Excel, Access, ODBC Database, More...

Export: Saved Exports, Excel, Text File, XML File, PDF or XPS, e-mail, Word Merge, More...

Date Project Info Last Updated: 10/17/2014

General Information | Project Team | Project Milestones | Status Updates | Project Timeline and Other Information

Project Name: WWRWMF - New Water Reclamation Facility - CARY

Project Manager: Alexandra Jones

Department: Engineering

Project Type: Special Projects

Project #: SW1123

Fund: UTILITY

Project Category: Sewer

Project Class: Design/Const.

Project Priority Code: C

Overview:

This project provides for the construction of a new 18 MGD new water reclamation facility based on recommendations from the Western Wake Regional Wastewater Treatment Study. The project includes design, project permitting and construction. Site acquisition was funded via another aspect of the Western Wake Regional Wastewater Management Facility (WWRWMF) program.

Background:

The Town of Cary and its municipal partners (the towns of Apex and Morrisville) are working together to design, construct and eventually operate the Western Wake Regional Wastewater Management Facility (WWRWMF). The WWRWMF will be constructed in two phases. Phase I construction will provide 18 million gallons per day (MGD) of treatment capacity. The Phase II expansion will increase treatment capacity to 30 MGD in order to accommodate anticipated build-out of the service area. This project includes three separate construction contracts to implement Phase I: Contract 1 - WRF Liquid Treatment; Contract 2 - Biosolids Dryer; and Contract 3 - Administration and Maintenance Buildings to be built on the WWRWMF site.

Cost:

The total project cost is estimated to be \$153 million (includes all Western Wake Partners' shares). Final construction costs will be revised as the construction contracts are bid and awarded. The Town of Cary serves as the lead agency for managing the financial, design and construction aspects of this initiative. As such, all component projects constituting the various phases of the WWRWMF are included in the Town of Cary's capital improvements budget and plan. Each municipal partner's requisite share of each project is noted independently within the Town of Cary's capital improvements budget. The financial responsibility of each municipal partner was determined by calculating the percentage of conveyance and treatment capacity of each component of the WWRWMF facilities that each partner will provide.

Schedule

Schedule	Season	Year
Advertise for bids	Spring	2011
Construction ends	Fall	2014
Warranty period begins	Summer	2014
*		

Related Links

Related Links (ie. www.townofcary.org)

www.westernwakepartners.org

Add Department Add Manager/Engineer Add Project Contact Add Design Consultant Add General Contractor See Project Funding Info From HTE

Information provided here can be pushed to Word and loaded onto web.

Capital Status Database

Project Funding From HTE - Capital Status Project Update

File Home Create External Data Database Tools

Import & Link: Saved Imports, Linked Table Manager, Excel, Access, ODBC Database, Text File, XML File, More

Export: Saved Exports, Excel, Text File, XML File, PDF or XPS, E-mail, Access, Word, More

Collect Data: Create E-mail, Manage Replies

FUNDING SECTION SW1123

\$136,678,379	PROJECT-TO-DATE BUDGET
\$5,857,303	ENCUMBRANCES
\$0	UNPOSTEDS
\$128,256,151	PROJECT-TO-DATE EXPENDITURES
\$2,564,925	PROJECT-TO-DATE BALANCE
98%	% OF BUDGET ENCUMBERED/EXPENDED

*** NOTE: Pre-Encumbrances and Pendings are not included.***

Connections to live data in a “one stop shop” help make life easier

Capital Status Database

Capital Status Update Form - Capital Status Project Update

File Home Create External Data Database Tools

View Paste Cut Copy Format Painter Filter Filter Ascending Descending Remove Sort Toggle Filter Refresh All New Save Delete Records Find Replace Go To Select Find Size to Fit Form Switch Windows Window Text Formatting

Date Project Info Last Updated: 10/17/2014 Add Save

General Information Project Team Project Milestones Status Updates Project Timeline and Other Information

Project Name: WWRWMF - New Water Redamation Facility - CARY

Project Manager: Alexandra Jones

Department: Engineering

Project Engineer:

Engineering Technician:

Surveyor:

Inspector:

Real Estate Specialist: Tommy Cline

Project Contact

Contact:

Job Title:

Department:

Phone:

Email:

Design Consultant: Linda Pass Company: Arcadis Phone: (336) 292-2271

General Contractor: Charlie Fuller Crowder Construction Company (919) 367-2000

Other Town Staff

Other Town Staff	Department

Record: 1 of 1 No Filter Search

User Text

Add Department Add Manager/Engineer Add Project Contact Add Design Consultant Add General Contractor See Project Funding Info From HTE

Project Report Filterable Form

Capital Status Database

Capital Status Update Form - Capital Status Project Update

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Export: Saved Exports, Excel, Text File, XML File, PDF or XPS, E-mail, Word Merge, More

Create E-mail, Manage Replies, Collect Data

Date Project Info Last Updated: 10/17/2014 Add Save

General Information Project Team Project Milestones Status Updates Project Timeline and Other Information

Project Name: WWRWMF - New Water Reclamation Facility - CARY Project #: SW1123

Project Report
Filterable Form

Project Milestones - Estimated Dates and Actual

Milestone	Estimated Date	Revised Date	Actual Date
Contract 1 bid opening	Jun-15-2011		Jun-15-2011
Contract 1 notice of award	Aug-01-2011		Aug-01-2011
Contract 1 notice to proceed	Sep-01-2011		Sep-01-2011
Contract 2 advertized for bids	Nov-01-2011		Oct-28-2011
Contract 2 bid opening	Dec-06-2011	Dec-09-2011	Dec-09-2011
Contract 2 notice to proceed	Mar-01-2012	Aug-01-2012	Aug-14-2012
Contract 3 advertized for bids	Apr-06-2012	Apr-25-2012	Apr-25-2012
Contract 2 re-bid opening	Apr-26-2012		Apr-26-2012
Contract 3 bid opening	May-24-2012		May-24-2012
Contract 3 notice to proceed	Sep-10-2012		Sep-10-2012
Contract 3 substantial completion	Jul-07-2013	Dec-31-2013	
Contract 3 final completion	Sep-05-2013	Jan-31-2014	
Contract 1 substantial completion	May-27-2014	Jun-23-2014	
Contract 2 substantial completion	Jul-15-2014	Jul-14-2014	
Contract 1 final completion	Sep-04-2014	Sep-04-2014	
Contract 2 final completion	Sep-23-2014	Sep-17-2014	
*			

Record: 1 of 16 No Filter Search

Add Department Add Manager/Engineer Add Project Contact Add Design Consultant Add General Contractor See Project Funding Info From HTE

Capital Status Database

Capital Status Update Form - Capital Status Project Update

File Home Create External Data Database Tools

Import & Link: Saved Imports, Linked Table Manager, Excel, Access, ODBC Database, Text File, XML File, More

Export: Saved Exports, Excel, Text File, XML File, PDF or XPS, E-mail, More

Collect Data: Create E-mail, Manage Replies

Date Project Info Last Updated: 10/17/2014

Add Save

General Information Project Team Project Milestones **Status Updates** Project Timeline and Other Information

Project Name: **WWRWMF - New Water Reclamation Facility - CARY** Project #: **SW1123**

Project Report
Filterable Form

statUpdates

Date	Info
10/17/2014	14Q3 report: The WWRWMF began discharging clean water to the Cape Fear River on August 11, 2014 and is operating successfully. All of the pipeline projects are complete and in the warranty phase. The main site work and off site pump stations are complete except for final punch list work. The Biosolids Dryer contract is nearing completion and will undergo performance testing in October and November 2014. The water and sewer extension project in the adjacent community is complete and the Town of Apex is in the
9/17/2014	Contract 1 is substantially complete. Contracts 3 and 4 are complete and in warranty phase. Contract 2 is still under construction and on schedule for completion this fall. Contract 2 dewatering equipment milestone is substantially complete. The WWRWMF began operation at the end of July and is successfully treating wastewater which meets permit limits.
5/5/2014	Contract 1 is on schedule to be substantially complete by the end of June 2014 per contract requirements. Contract 2 is on schedule, but the final completion date will be extended so that performance testing can be completed once sludge is available from the treatment process. Contract 3 is substantially complete. Plant start-up is planned to start with a clean water testing period immediately following substantial completion of Contract 1. Following successful clean water testing, wastewater will be introduced to the WWRWMF for
3/17/2014	Contract 2 is on schedule and work continues on equipment installation. Contract 1 is still on schedule contractually, but has fallen behind the contractor's early completion schedule. Work has not progressed as quickly as planned on electrical/control systems startup as well as punch list work. Crowder has been adding more staff on site and is working on a schedule recovery plan. We anticipate that Contract 1 will be substantially complete in June 2014.
1/15/2014	CO for Contract 3 has been obtained; Town is now using the building. Contract 2 continues to work on electrical and equipment installation. Contract 1 continues to work on startup items and coordination with the SCADA project SW1148.
12/30/2013	Contract 3 is substantially complete, CO pending fire alarm testing by Town's monitoring company and Apex FD. Contracts 1 and 2 are ahead of schedule. Contract 1 substantial completion anticipated late winter 2014 after which clean water testing of SCADA controls will begin followed by introduction of wastewater in Spring 2014.
11/12/2013	Contracts 1 and 2 are ahead of schedule. Contract 3 is currently on schedule. Contract 1 work focuses on electrical installation and punch list items in preparation for equipment startup. Several process areas have already undergone startup successfully and SCADA programming work will begin soon. Contract 2 work focuses on mechanical installation. Contract 3 work focuses on punch list items in support of achieving a Certificate of Occupancy and Substantial Completion.
9/10/2013	Contracts 1 and 2 are ahead of schedule. Contract 3 is currently on schedule. Contract 1 work focuses on electrical installation and preparation for equipment startup. Contract 2 work focuses on mechanical installation. Contract 3 work focuses on interior finish installation and electrical work.
7/30/2013	Contracts 1, 2, and 3 are currently on or ahead of schedule. Contract 1 work currently focuses on electrical and mechanical installation. Contract 2 work currently focuses on masonry, roofing, and mechanical installation. Contract 3 work focuses on interior walls and utilities of the administration and maintenance buildings.
5/9/2013	Contracts 1, 2, and 3 are currently on or ahead of schedule. Contract 1 work currently focuses on electrical and mechanical installation. Contract 2 work currently focuses on erection of the biosolids building. Contract 3 work focuses on erection of the administration and maintenance building frames and masonry.
3/14/2013	Contract 1 and 2 construction currently on schedule. Contract 3 construction is behind schedule, but that time will be adjusted via change order for work to accommodate building code updates. Contract 1 continues work on electrical and equipment installation, Contract 2 work focuses on foundations and walls for the biosolids building, and Contract 3 work

Record: 1 of 26 No Filter Search

Add Department Add Manager/Engineer Add Project Contact Add Design Consultant Add General Contractor See Project Funding Info From HTE

Capital Status Database

Capital Status Update Form - Capital Status Project Update

File Home Create External Data Database Tools

Import & Link Export

Date Project Info Last Updated: 10/17/2014 Add Save

General Information Project Team Project Milestones Status Updates Project Timeline and Other Information

Project Name: WWRWMF - New Water Reclamation Facility - CARY Project #: SW1123 Fund: UTILITY

Implication of Stopping Project:

Unable to treat wastewater from western service area and meet inter-basin transfer (IBT) requirements.

Project Report
Filterable Form

First Year Funded (Calendar Year): 2005

% Designed: 100%

Out for Bid (Y/N): Yes

Bid Awarded (Y/N): Yes

Bid Award Date: 8/1/2011

Notice to Proceed: Yes

Notice to Proceed Date: 9/1/2011

Number of Contract Days: 1100

Cash Flow Start Date: 9/1/2005

Cash Flow Stop Date: 12/31/2014

Construction Start Date: 9/1/2011

% Constructed: 99%

Construction End Date: 12/31/2014

Anticipated Close-out Date: 12/31/2015

☐ Marked for Closure?

Utility Project Review Category: Legally Mandated - Legally mandated or has a signed agreement with another agency.

Is Project a "Key Project?": No

Bond Funds?: None

State Street?: No

Is this Project Growth Related?: No

Is this Project Service Related?: No

Project Location Zone: West

Date Project Info Last Updated: 10/17/2014

Add Department Add Manager/Engineer Add Project Contact Add Design Consultant Add General Contractor See Project Funding Info From HTE

Capital Status Database

Utility Capital Project Status Report

First Year Funded (Calendar Year) 2005

% Designed to Date 100%

Bid Awarded Yes

Date Awarded 8/1/2011

Notice to Proceed Yes

Effective Date 9/1/2011

Cash Flow Start Date 9/1/2005

Cash Flow Stop Date 12/31/2014

Construction Start Date 9/1/2011

% Constructed 99%

Construction End Date 12/31/2014

Estimated Completion Date 12/31/2015

Marked for Closure? ☐ Project Closed? ☐

Fiscal Year Closed

Utility Project Review Category

Legally Mandated - Legally mandated or has a signed agreement with another agency.

Is Project a "Key Project" No

(Selected by Town manager for review)

Is Project a State Street? No

Is this Project Growth Related? No

Is this Project Service Related? No

Project Location Zone West

Date Project Info Last Updated 10/17/2014

Project Funding Information


\$136,678,379	Project-To-Date Budget
\$5,857,308	Encumbrances
\$0	Unposted
\$128,256,151	Project-To-Date Expenditures
\$2,564,925	Project-To-Date Balance
98%	% Budget Encumbered/Expended

Friday, October 17, 2014

Page 4 of 4

Capital Status Database

Reporting Form



Town of Cary's Capital Status Database Reporting

Filter Reporting

Select one or more of the following filters below and click on the report buttons for your customized report. To see all records leave filter untouched or blank.

Project Manager

Enter Manager

Department

Enter Department

Project #

Enter Number

Project Class

Enter Class

Last 6 Months Status Only

☐

Project Status

Summary Report With Current Status (by Project Category)

Summary Report with Current Status (by Department)

Engineering Project Status Report

Engineering Project Review Brief

Project Manager Listing Report

General Project Review Category (Complete or Mandated)

General Project Review Category (Maintain through New)

Utility Project Review Category (Complete or Legally Mandated)

Utility Project Review Category (Under Contract through Higher)

Basic Reporting

Key Projects

Project Brief

Project Closure Reporting

Projects Marked for Closure

Closed Projects

Key Project Meetings and Reports

Key Project Report - by Project Category:

General Government

Project # GG1114 **Project Name** Equipment Wash Stations - WakeMed Soccer Park and USA Baseball Complex

Project Manager	Department	Project Priority Code (G, H, M, L)	State Street	Bond Fund?	Tagged?	Project to Date			% of Budget Encumbered/ Expended	Marked for Closure
						Budget	Encumb/Expends	Balance		
Jan Patterson	Public Works & Utilities	H	No		<input type="checkbox"/>	\$150,000	\$0	\$150,000	0%	<input type="checkbox"/>

First-Year Funded	%Designed	Bid Award Date	Notice to Proceed Date	Cash Flow Start Date	Cash Flow Stop Date	Construction Start Date	%Constructed to Date	Construction End Date	Estimated Completion Date
									9/1/2014

Project Overview:

This project provides for the design and construction of two equipment wash stations - one at the WakeMed Soccer Park and the other at the USA Baseball National Training Complex.

Project Background:

Given the amount of landscape maintenance equipment located at these facilities and associated washing, the Storm water division within the Town's Engineering department has recommended that a wash area with an oil water separator connected to the sanitary sewer system be located at each facility to remain in compliance with storm water management regulations. The wash areas need to be covered in order to minimize storm water infiltration to the sanitary sewer system.

Project Cost:

Total project cost for both stations is estimated at \$150,000. The \$30,000 FY 2014 appropriation supports design of the two stations, while the \$120,000 funding need identified in FY 2015 supports construction of both (\$60,000 each).

Last Status Update:

9/11/2014 - Sites have been surveyed; Preliminary design underway

Schedule/Milestone	Season	Year
Survey	Spring	2014
Preliminary Design	Fall	2014
Design Review	Fall	2014
Final Design	Winter	2015
Permitting	Spring	2015

Keys to Success

(the things we've learned along the way!)

- **Clear and firm schedule communicated early**
- **Foster communication among groups**
- **Ensure staff and project managers understand the funding environment**
- **Funding targets**
 - » Understanding implications of what can't be done within target
 - » Understanding what may be necessary to secure more funding
 - » Establishing criteria for what must be done and when
- **Operating costs are critical to the equation**



Questions?

Stacey Teachey

Capital Program Manager

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stacey.teachey@townofcary.org