TOWN OF CORNELIUS

BOARD OF COMMISSIONERS

Graylyn International Conference Center
March 8, 2017
Agenda

TOWN BOARD SPECIAL MEETING - 9:00 AM

1. CALL TO ORDER

2. DETERMINATION OF QUORUM

3. BUDGET RETREAT - DAY 1

A. **9:00AM - Opening Remarks**
B. **9:15AM - CMP Update**
C. **10:15AM Project Updates/Various Topics**
D. **12:30PM Lunch**
E. **1:30PM - Personnel/Operating Goals**
F. **3:30PM CIP Summary**
G. **4:30PM Town Five Year Financial Forecast**

4. BUDGET RETREAT - DAY 2

A. **8:30AM Financial Condition**
B. **9:30AM FY18 Fixed vs. Discretionary Items**
C. **10:30AM Budget Directives**
D. **12:00PM Adjourn**

5. ADJOURNMENT

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Action Requested:

Hear opening remarks from Mayor Travis and Manager Roberts.

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
No Attachments Available		

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Andrew Grant, Asst. Town Manager

Action Requested:

Comprehensive Master Plan (CMP) Annual Update - Andrew Grant

Manager's Recommendation:

ATTACHMENTS:

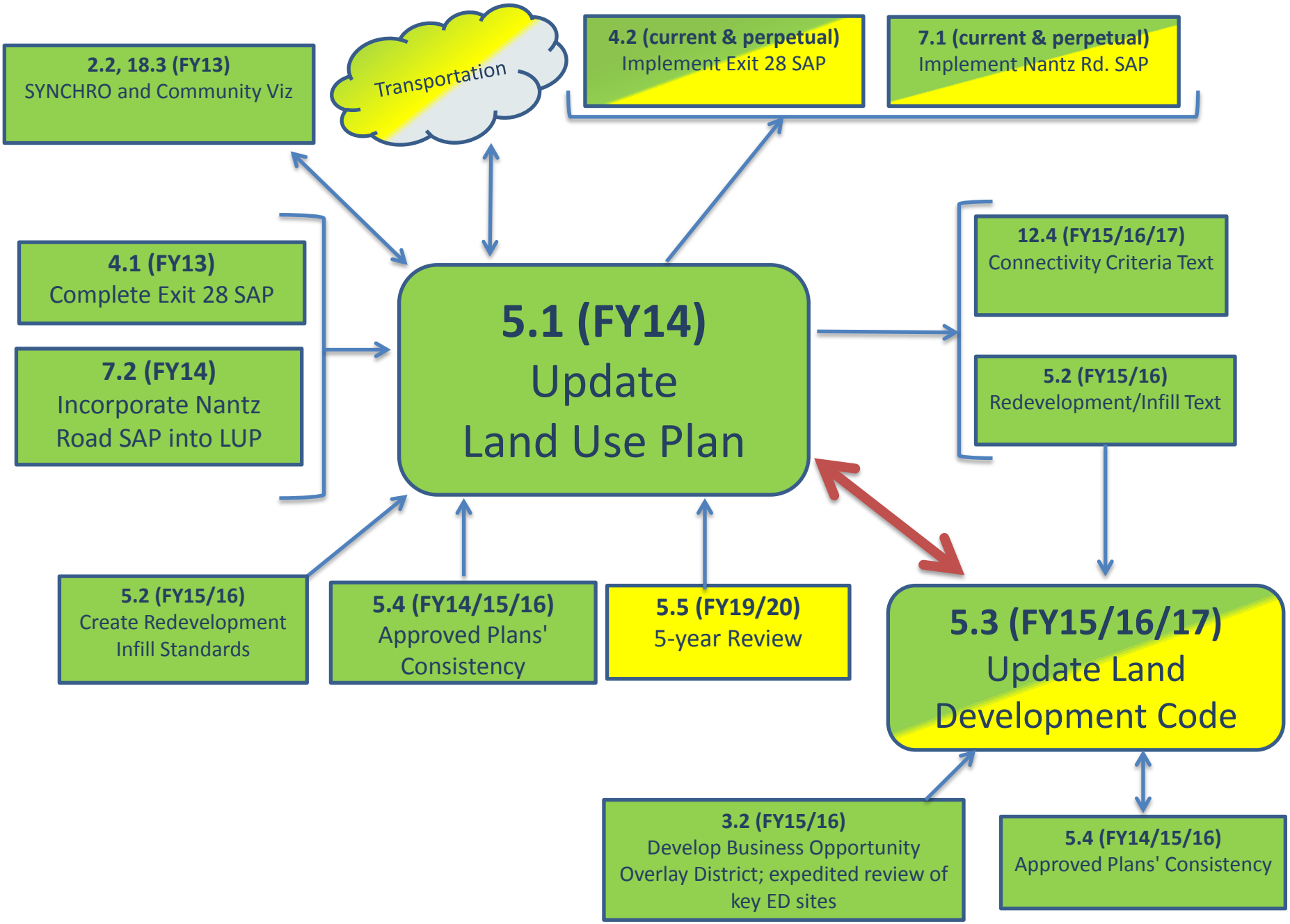
Name:	Description:	Type:
CMP_Flowchart_2017.pptx	CMP Update	Presentation

CMP Strategies

Adopted 6/18/12
Revisions Accepted: 11/19/12

Flowchart Key:

- Complete
- Partially Complete/Partially in Process
- In Process
- Partially in Process/Partially has not begun
- Has not begun


2.2, 18.3 (FY13)
SYNCHRO and Community Viz
Transportation
4.2 (current & perpetual)
Implement Exit 28 SAP
7.1 (current & perpetual)
Implement Nantz Rd. SAP
4.1 (FY13)
Complete Exit 28 SAP
7.2 (FY14)
Incorporate Nantz Road SAP into LUP
5.1 (FY14)
Update Land Use Plan
12.4 (FY15/16/17)
Connectivity Criteria Text
5.2 (FY15/16)
Redevelopment/Infill Text
5.2 (FY15/16)
Create Redevelopment Infill Standards
5.4 (FY14/15/16)
Approved Plans' Consistency
5.5 (FY19/20)
5-year Review
5.3 (FY15/16/17)
Update Land Development Code
3.2 (FY15/16)
Develop Business Opportunity Overlay District; expedited review of key ED sites
5.4 (FY14/15/16)
Approved Plans' Consistency

Transportation

Planning

12.1 (current & perpetual)
Prioritize Road Improvements

16.1 (FY12)
Pedestrian Plan

18.3 (FY13)
SYNCHRO

12.2 (current & perpetual)
MTP Consistency

7.2 (FY14/FY15/FY16/17)
Place Nantz Rd SAP into LUP & LDC

4.2 (FY14/FY15/FY16/17)
Place Exit 28 SAP into LUP & LDC

13.1 (current & perpetual)
Bus Transit Opportunities

16.2 (FY16)
Prioritize Bike Lanes

12.4 (FY15)
Update LDC

12.5 (FY19/20)
Update Transportation Plan (w/5 year review)

Task

21.1 (current & perpetual)
Emergency Plan

23.4 (FY13)
Implement Wayfinding Signage

17.1 (current & perpetual)
I-77 Widening

14.1 (current & perpetual)
Innovative Intersection Improvements
(signal optimization, turn lanes, roundabouts, traffic shifts)

17.2, 24.2 (FY13-16)
DDI Transportation & Aesthetics

15.1 (current & perpetual)
Install Sidewalks

15.2 (current & perpetual)
Enhance/Install Crosswalks

16.5 (current & perpetual)
Install Bike Lanes/Greenways

15.3, 16.4 (current & perpetual)
Public Awareness Campaigns - Bike/Ped

16.3 (FY17/18)
Share the Road Signage

14.3 (FY15-21)
Implement US21/Catawba Bookend

14.2 (FY15-21)
Plan Torrence Chapel/West Catawba Bookend

Budget Optimization

23.1 (current & perpetual)
5-Year Budget Planning

23.2 (current & perpetual)
Optimize Funding Strategies

- Installment Financing
- Bonds/Bond Rating
- Grants and State Allocations (i.e., TIP)
- Advanced Funding Models
- Low-interest Federal Loan Programs
- TIFs (Govt. & Synthetic)
- COPs
- SADs

23.3 (current & perpetual)
Align CIP with CMP

Local Economic Development

Planning, Inventory, Coordination

1.2 (FY13)
Local ED Role

10.1 (FY12/16/17)
Arts Center Needs Assessment, Site, Development Analysis

3.1 (current & perpetual)
Catalog ED Sites

1.3 (current & perpetual)
Coordinate with ED Partners

Tasks

1.1, 2.1 (current & perpetual)
Assist Development Review

19.1 (current & perpetual)
Improve Website for Branding

19.2 (current & perpetual)
23.4 (FY13)
Branding/Marketing of Town

11.1 (current & perpetual)
Implement Historic Preservation Goals

10.2 (FY11-16)
Implement Arts Plan

6.1 (current & perpetual)
Waterfront Development

9.1 (current & perpetual)
Augustalee Site

1.6 (current & perpetual)
Business Assessment & Retention

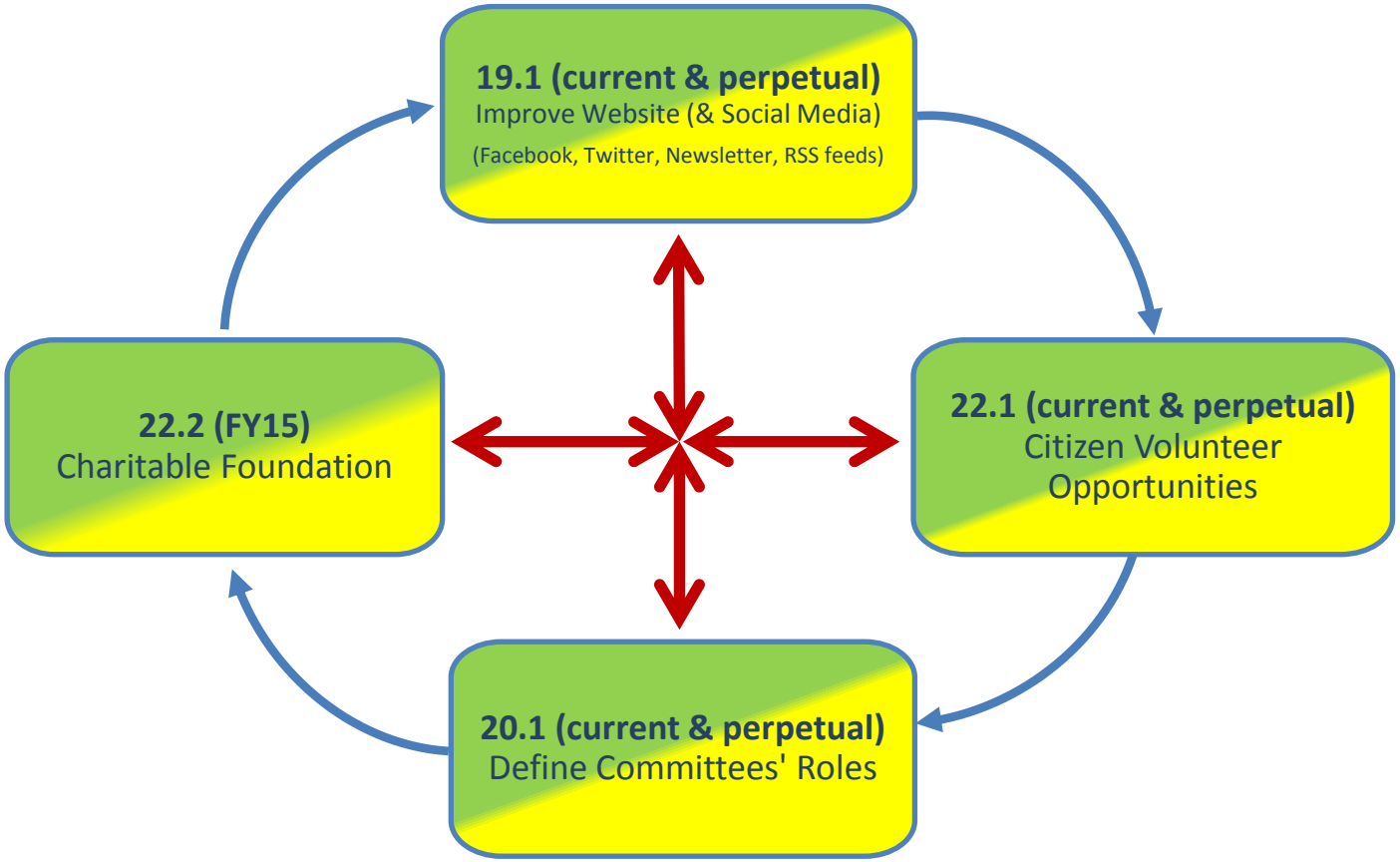
19.3 (Board Discretion)
Tag Line/Logo for Town

1.5 (Board Discretion)
5-year ED Plan

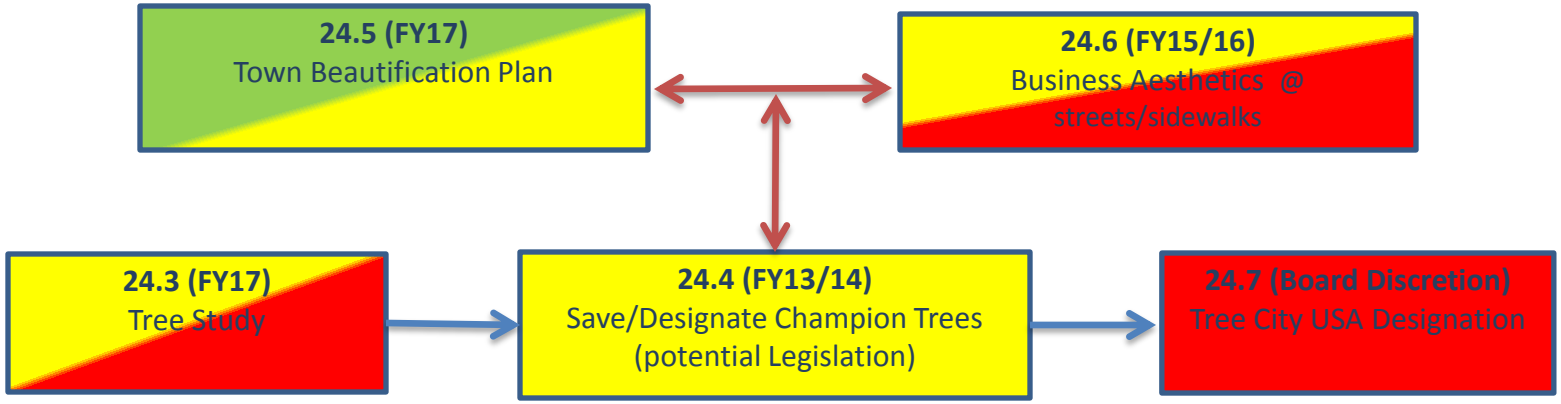
1.7 (current & perpetual)
Promote Cornelius Businesses

1.4 (Board Discretion)
Task-Specific ED Advisory Committees

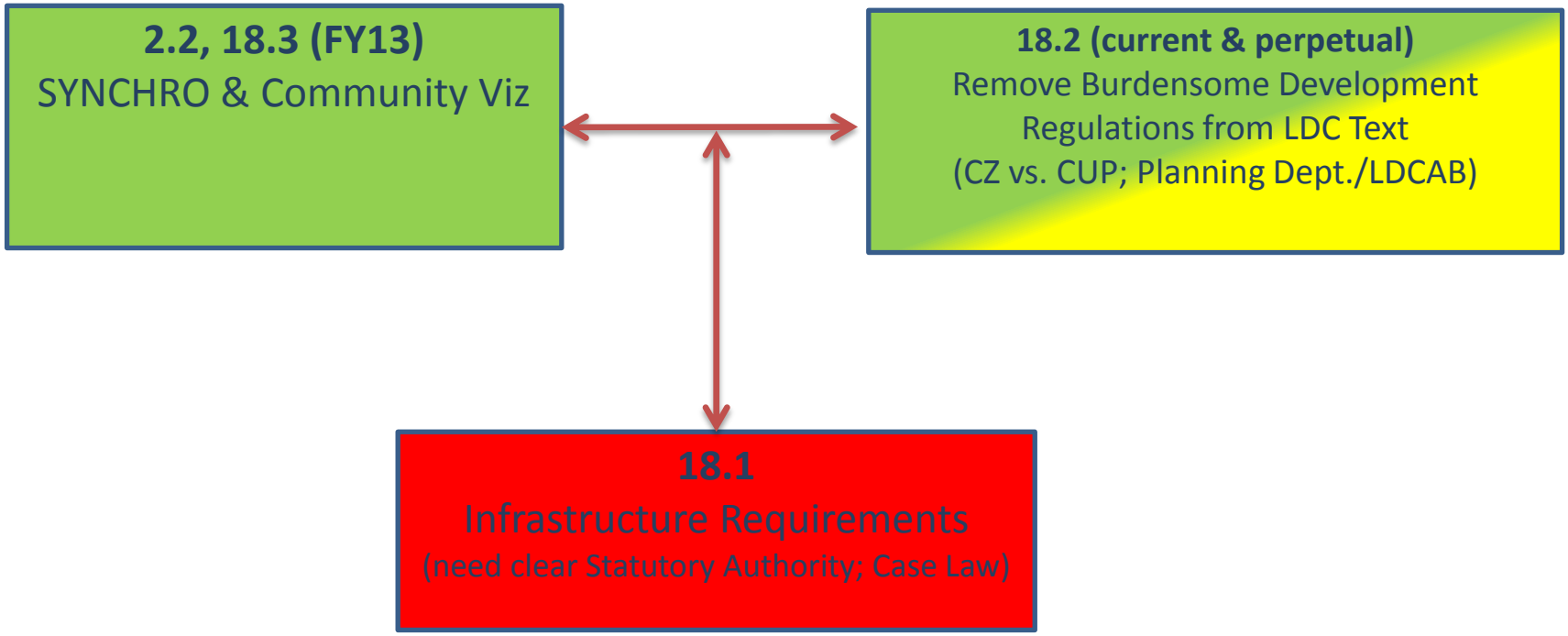
Citizen Participation

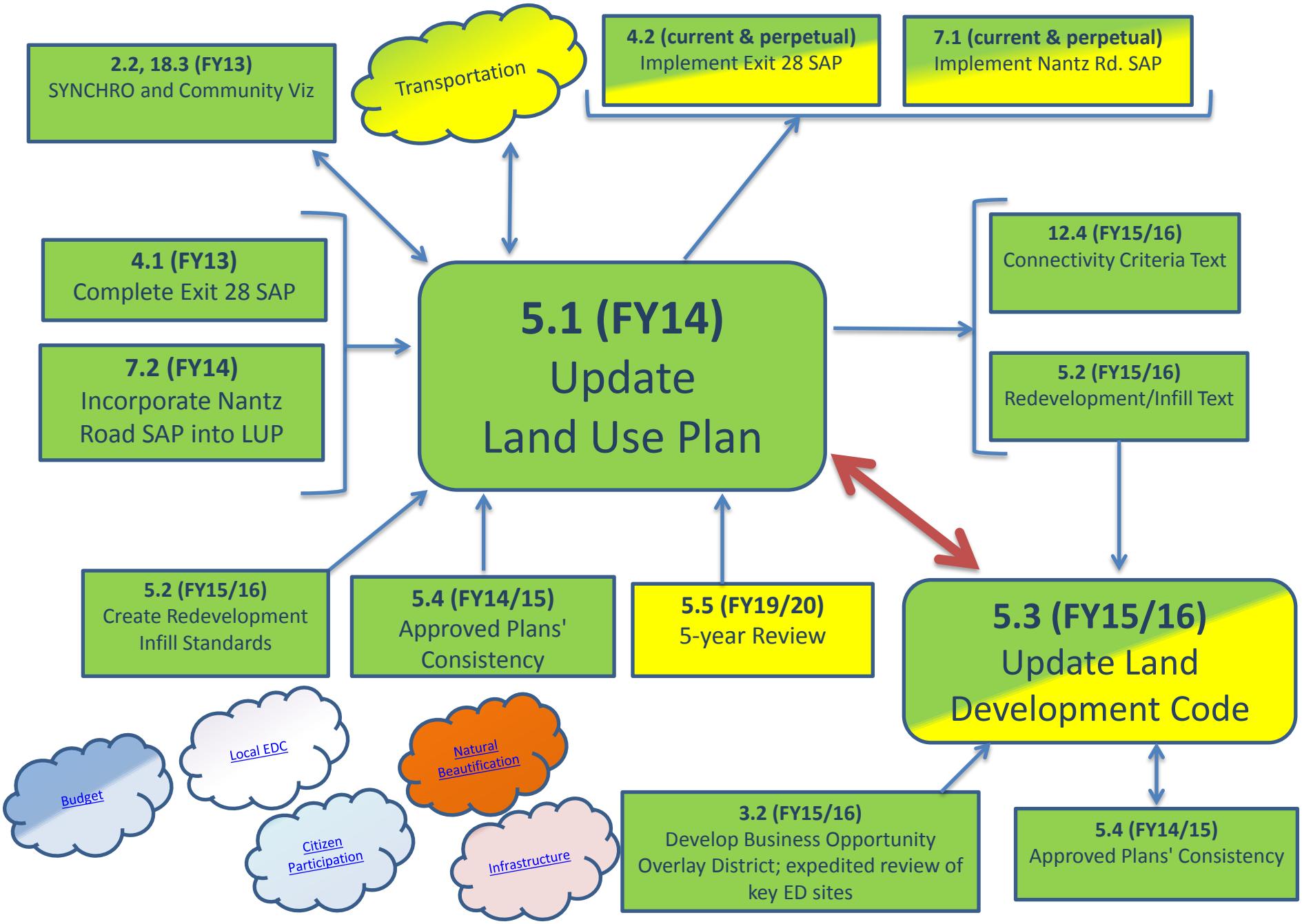


Town Beautification



Infrastructure

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Update Land Development Code
Budget
Local EDC
Natural Beautification
Citizen Participation
Infrastructure
3.2 (FY15/16)
Develop Business Opportunity Overlay District; expedited review of key ED sites
5.4 (FY14/15)
Approved Plans' Consistency

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Action Requested:

Project Updates

- Planning (Commercial) Projects
- Phase II Bond Sale (FY2019)
- New Bonds (FY2020)
- Various Topics

Manager's Recommendation:

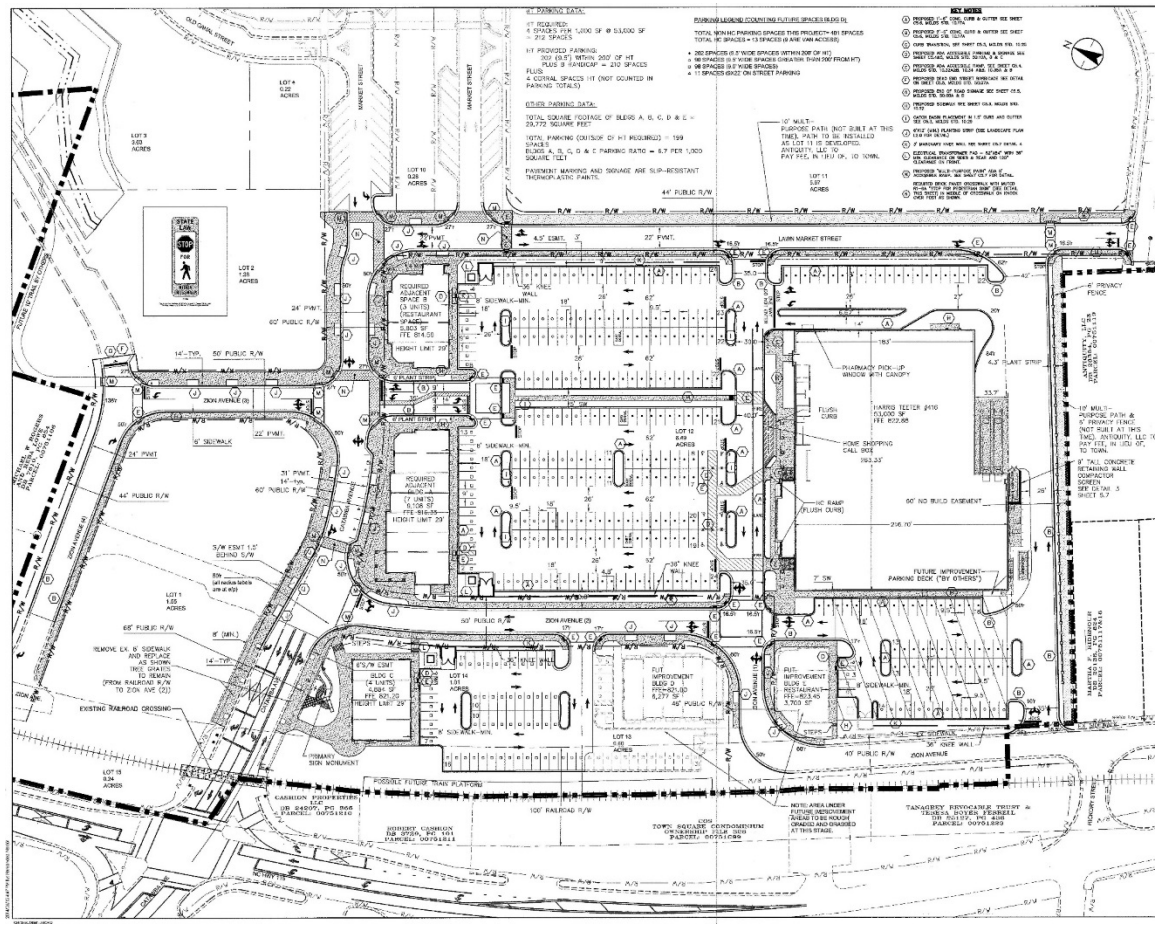
ATTACHMENTS:		
Name:	Description:	Type:
Planning.pdf	Planning Projects	Presentation
Bonds_Phase_II_March_8th___2017.pptx	Phase II Bond Sale	Presentation
Future_Bonds_March_8___2017.pptx	New Bonds	Presentation

Planning Project Overview

- Town Board Budget Retreat 2017

ANTIQUITY COMMERCIAL (CATAWBA/ZION)

- **0.887 Acres**
- **Zoning: TC-CD**
- **Administrative Staff Approval**

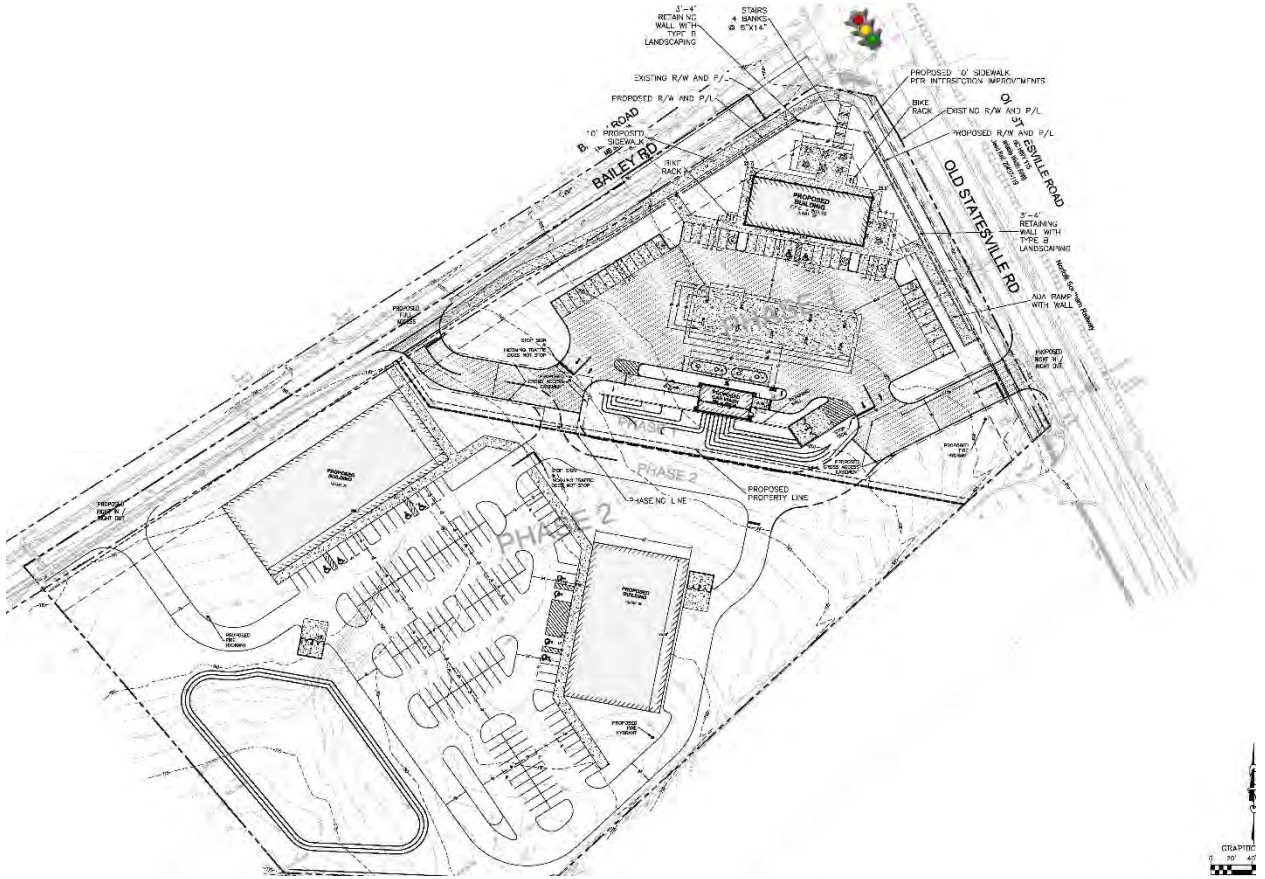


MAMA'S PIZZA (SOUTH MAIN/HICKORY ST)

- **0.887 Acres**
- **Existing Zoning: NMX**
- **Proposed Zoning: TC-CZ**
- **Existing Use: Pizza Restaurant (+/- 2,200 sf)**
- **Proposed Use: Restaurant + Commercial (5,250 sf)**
- **Town Board Public Hearing: June 5th**

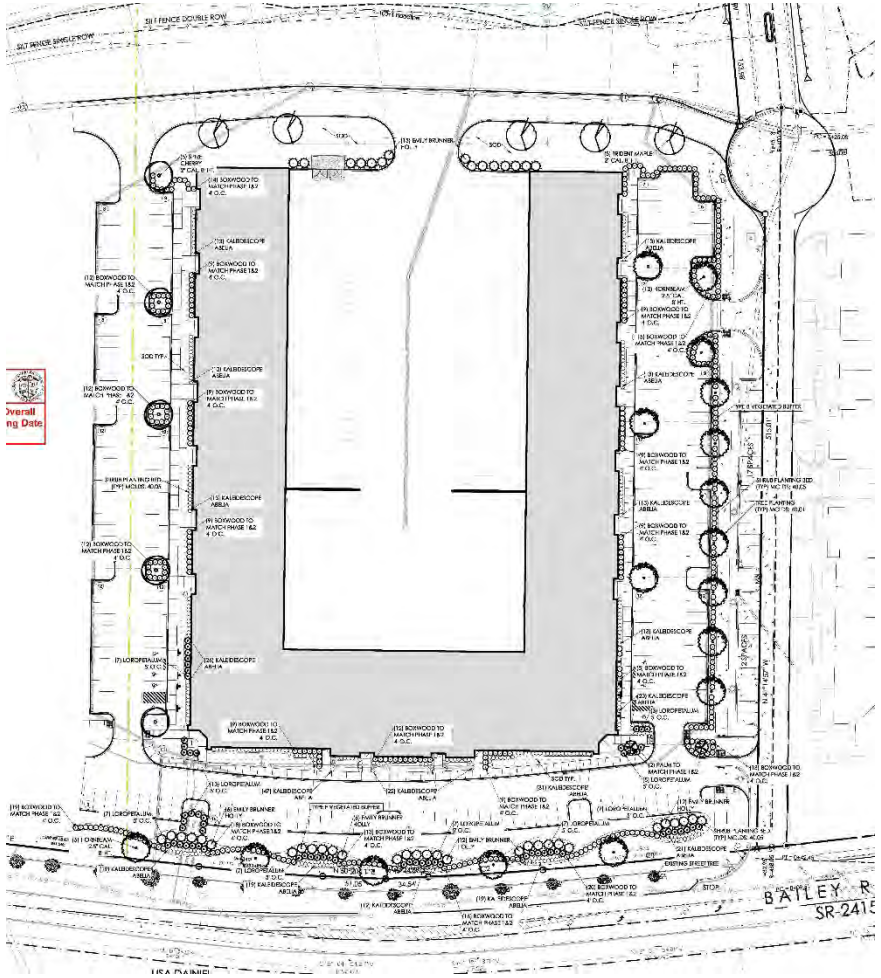
CIRCLE K (BAILEY ROAD/HWY 115)

- **+/- 3.25 Acres**
- **Zoning: CZ**
- **Proposed Use: Convenience Store**
- **Estimated Completion Date: April 2017**



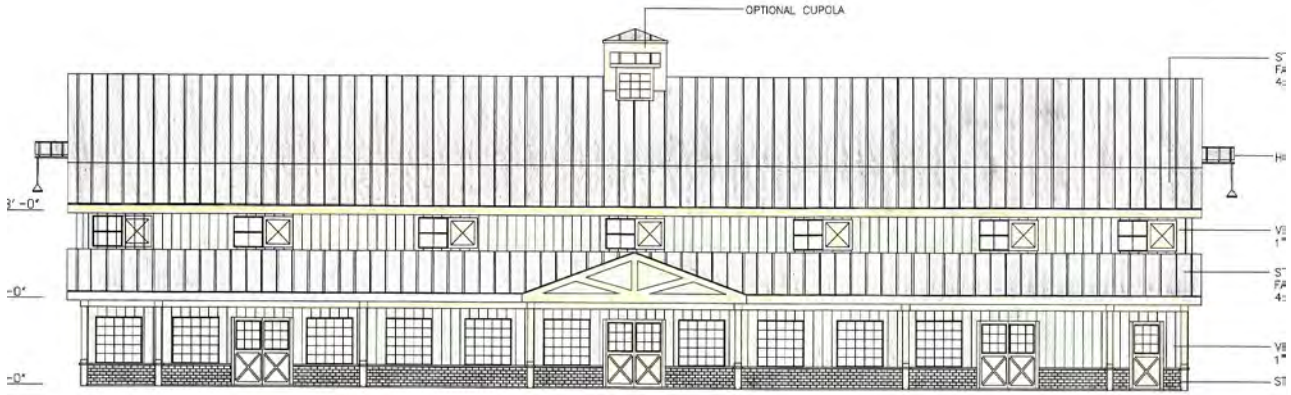
HYDE PARK (BAILEY ROAD)

- +/- 33 Acres total (5 parcels)
- Zoning: IC
- Storage and flex space
- Building 300 just completed in 2016
- Building 400 approved, estimated Completion Date late 2017
- Administrative staff approval



SWEET MAGNOLIA ESTATE (BAILEY ROAD)

- +/- 3.25 Acres
- Zoning: CZ
- Proposed Use: Wedding & Events Facility
- +/- 9,000 square foot bldg. w/ outdoor assembly
- Estimated completion: summer 2017

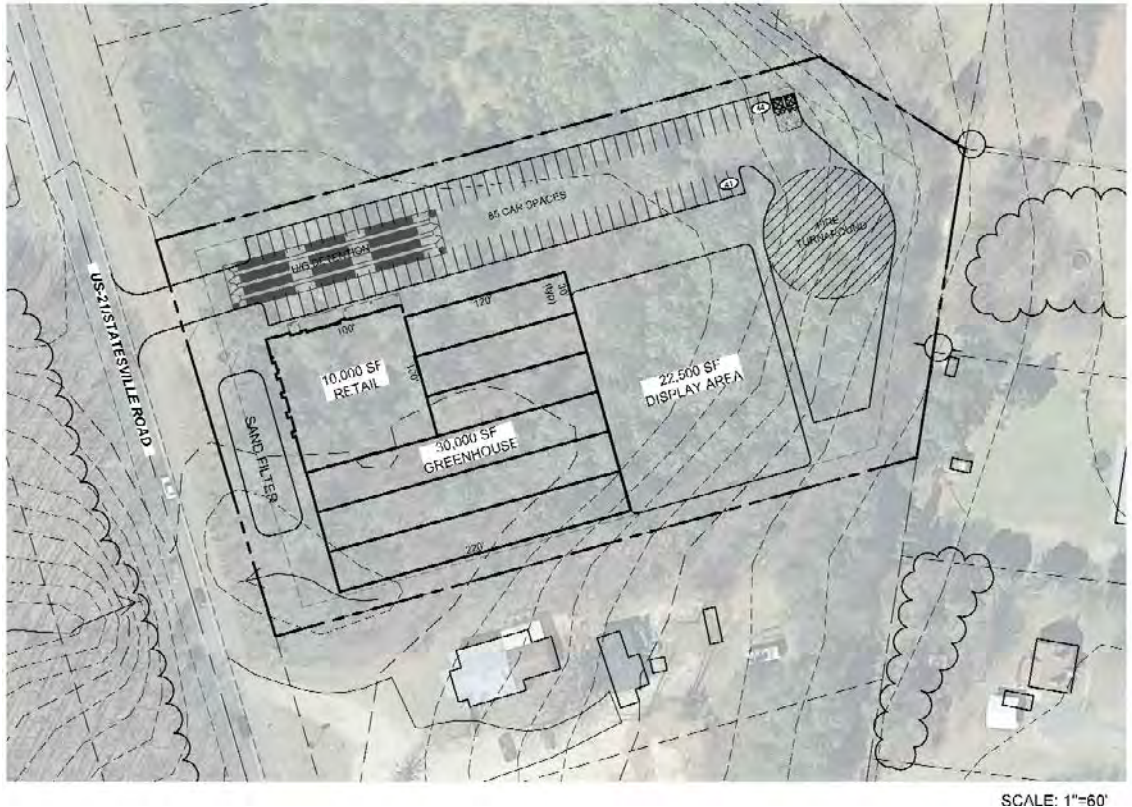


OAKHURST II

- +/- 3.05 Acres
- Zoning: CZ
- Proposed Use: Restaurant, Office, and Commercial
- +/- 33,000 square feet (three buildings)
- Construction documents just submitted
- Cowboy restaurant to open early 2018

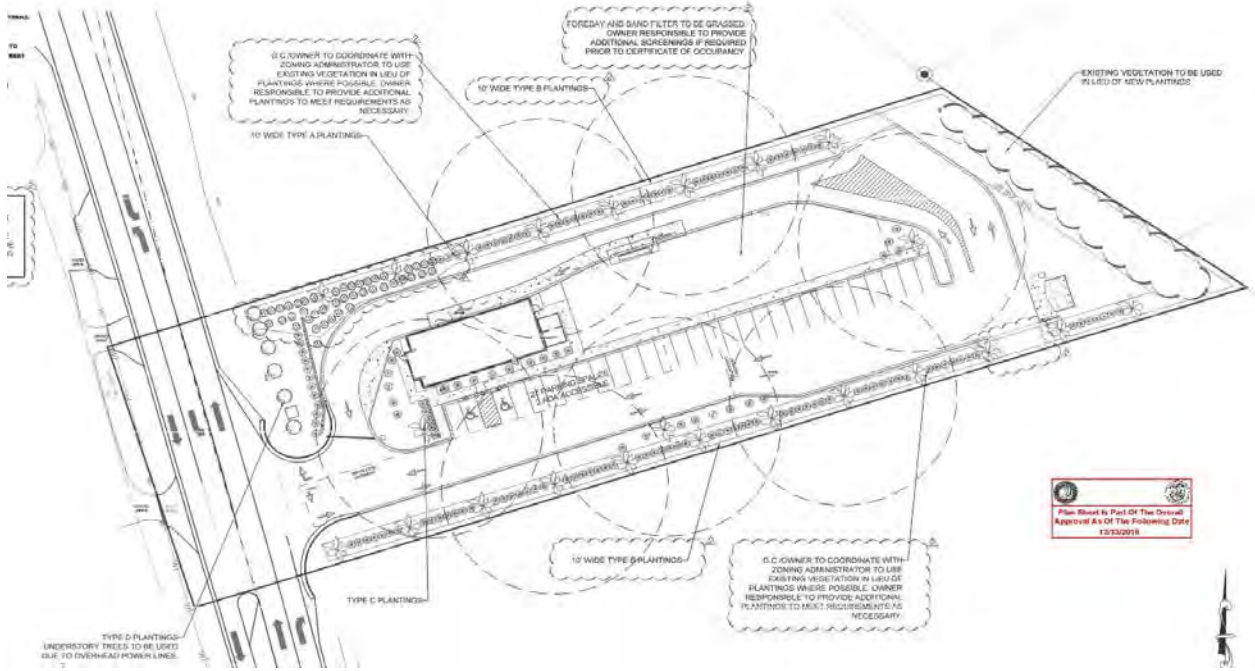
PIKE'S NURSERY (STATESVILLE RD-HWY 21)

- **3.68 Acres**
- **Zoning: HC**
- **Proposed Use: Nursery Center w/Greenhouse**
- **+/- 10,000 sf building, 30,000 sf greenhouse, 22,500 sf display area**
- **Administrative staff approval**



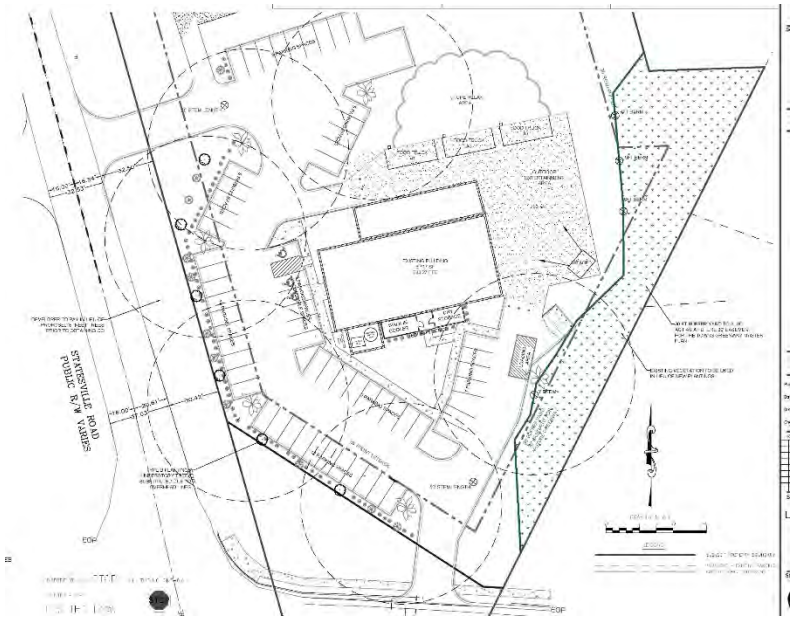
ARBY'S (STATESVILLE RD-HWY 21)

- **1.82 Acres**
- **Zoning: HC**
- **Proposed Use: Restaurant w/ Drive-Through**
- **+/- 2,500 square foot building**
- **Administrative staff approval**
- **Estimated completion: fall 2017**



BOATYARD EATS (HWY 21 & WESTMORELAND)

- **3.6 Acres**
- **Existing Zoning: HC**
- **Proposed Zoning: CZ**
- **Proposed Use: Restaurant & Events Venue**
- **Town Board Public Hearing: April 3rd**

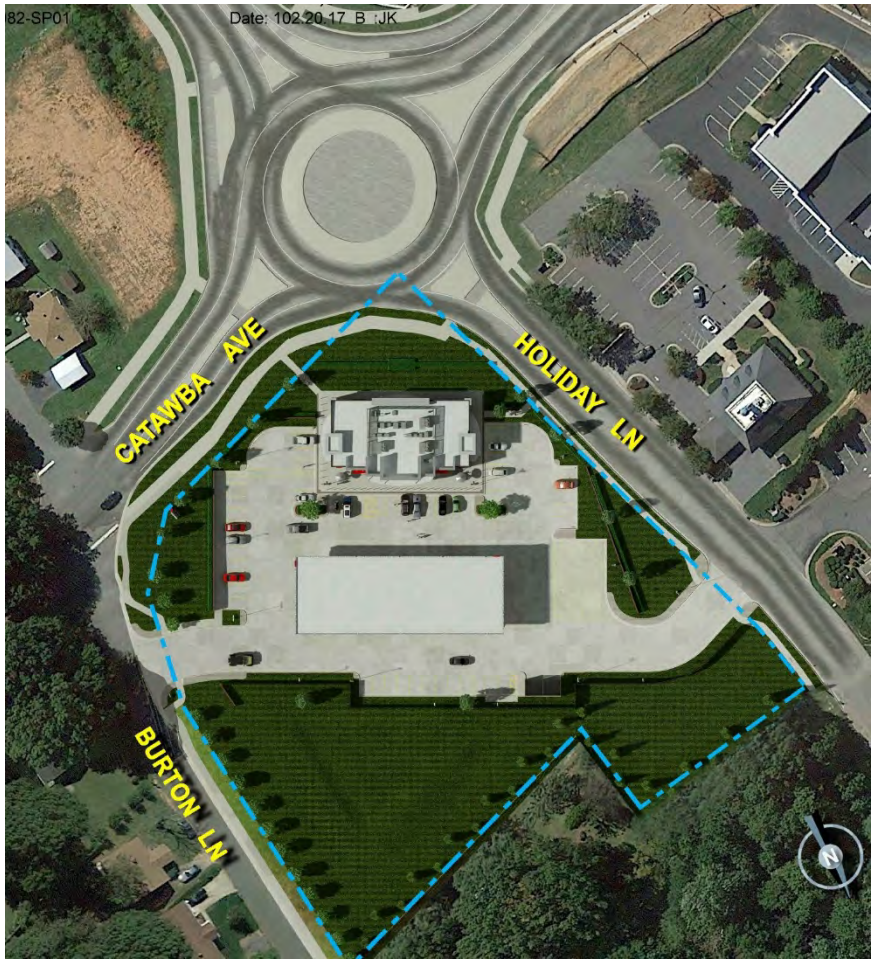


DB HOLDINGS

- +/- 5.62 acres
- Existing Zoning: HC, AS-O
- Proposed Zoning: CZ (AS-O)
- Existing Use: Automobile & Boat Storage & Wash Area
- Proposed Use: Automobile Sales, Service and Storage
- Phase 1: 22,850 sf
- Phase 2: additional 4,000 sf of showroom and carwash
- Town Board Public Hearing: March 6th

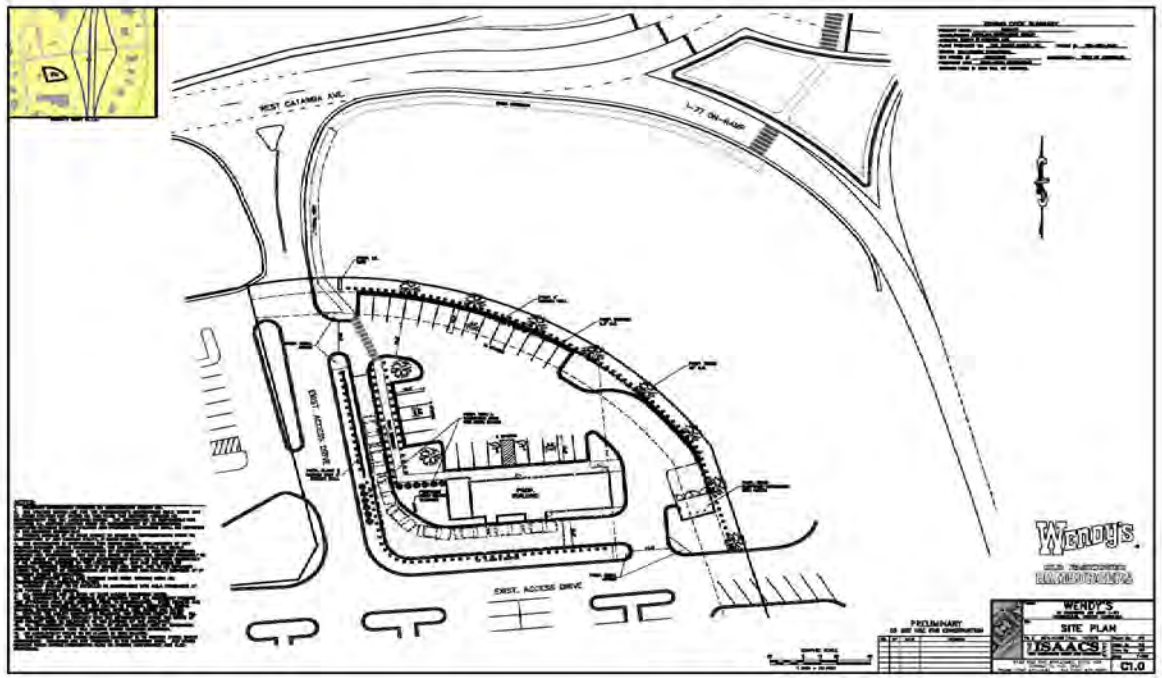
QUICK TRIP (CATAWBA/HOLIDAY LN)

- +/- 3.16 Acres
- Existing Zoning: HC, NMX, NR
- Proposed Zoning: CZ
- Existing Use: convenience store, restaurant, and single-family
- Proposed Use: 5,773 sf convenience store
- Town Board Public Hearing: April 17th



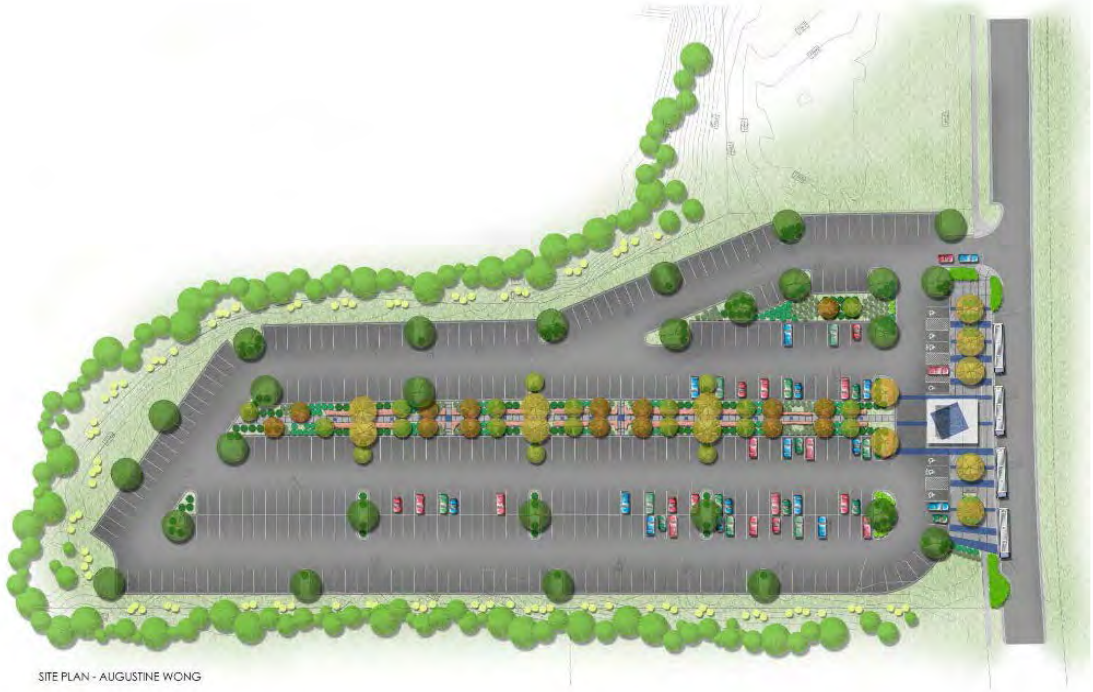
WENDY'S RESTAURANT

- +/- 0.95 Acres
- Administrative staff approval
- Planning Board granted variance on 2/27



CATS PARK & RIDE LOT

- 4.285 acres
- Zoning: HC
- Proposed: Park and Ride Facility
- +/- 250 sf shelter bldg. & 355 parking spaces
- Administrative staff approval
- Estimated completion: fall of 2017

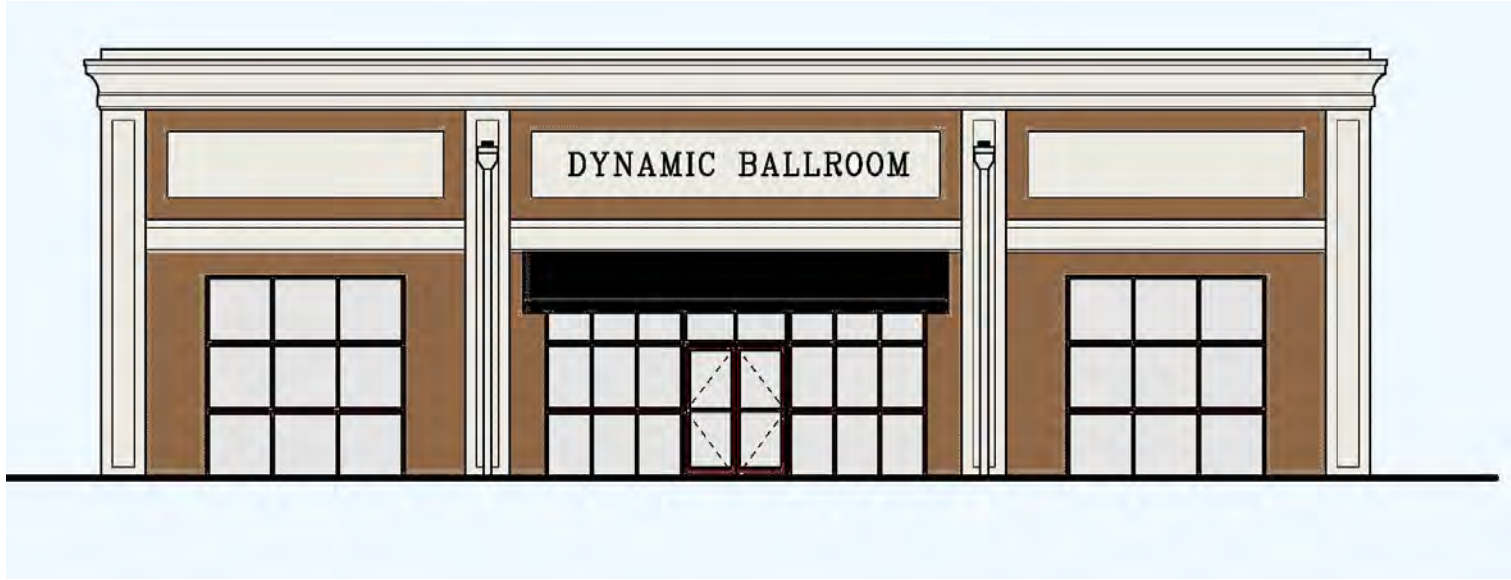


SITE PLAN - AUGUSTINE WONG

PERSPECTIVE VIEWS - IVAN DEPEÑA

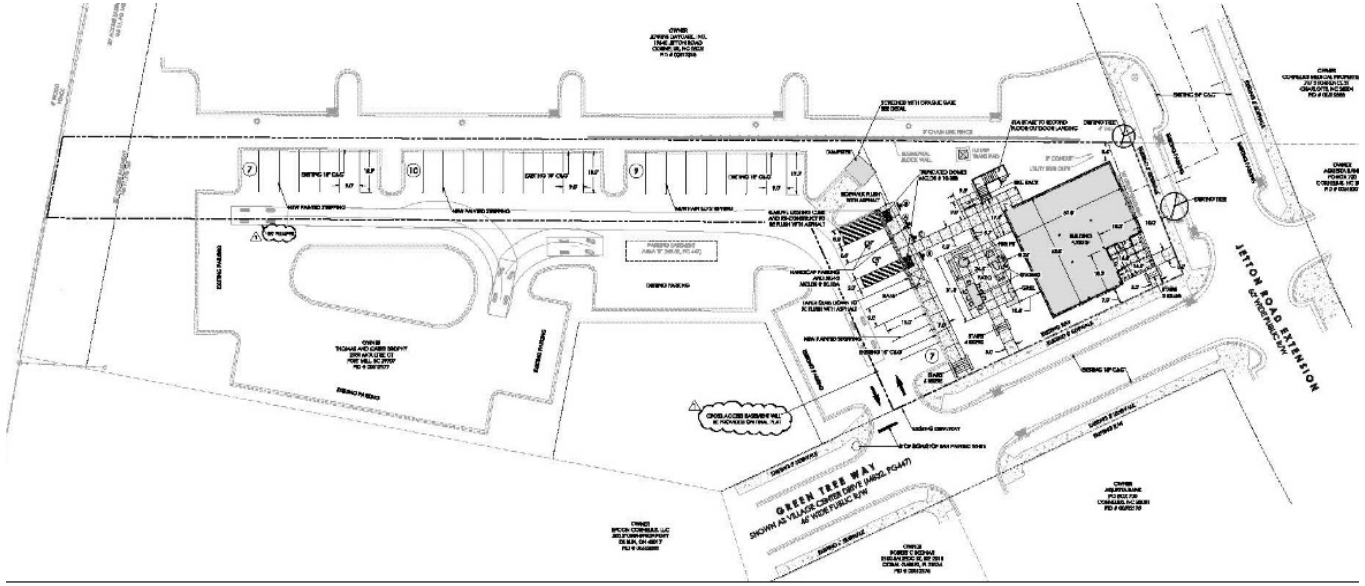
DYNAMIC BALLROOM

- **0.47 Acres**
- **Zoning: VC**
- **Proposed Use: Dance Studio**
- **3,800 square feet**
- **Administrative staff approval**



SOUTHERN CROSS AVIATION

- **0.602 Acres**
- **Zoning: VC**
- **Proposed Use: Office Building**
- **+/- 5,000 square feet**
- **Administrative staff approval**



SCA Southern Cross Aviation

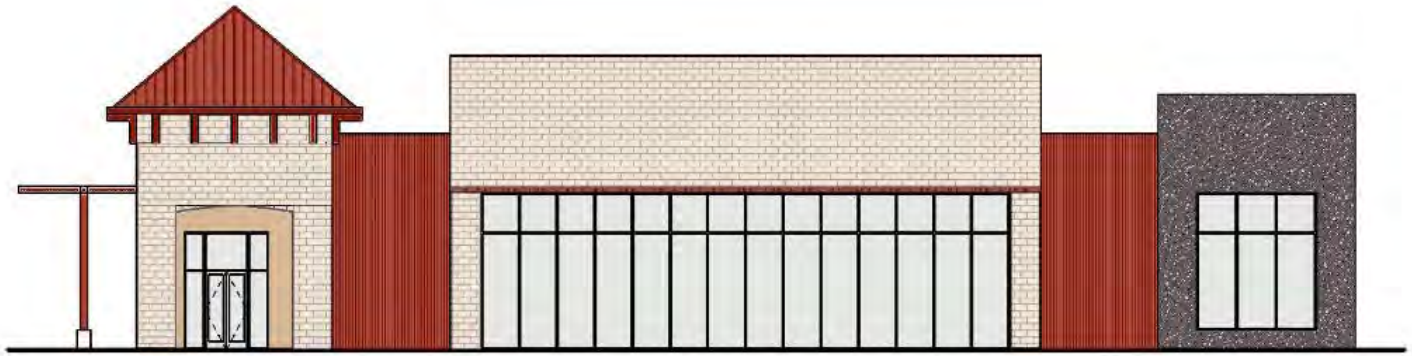
CORNELIUS, NC

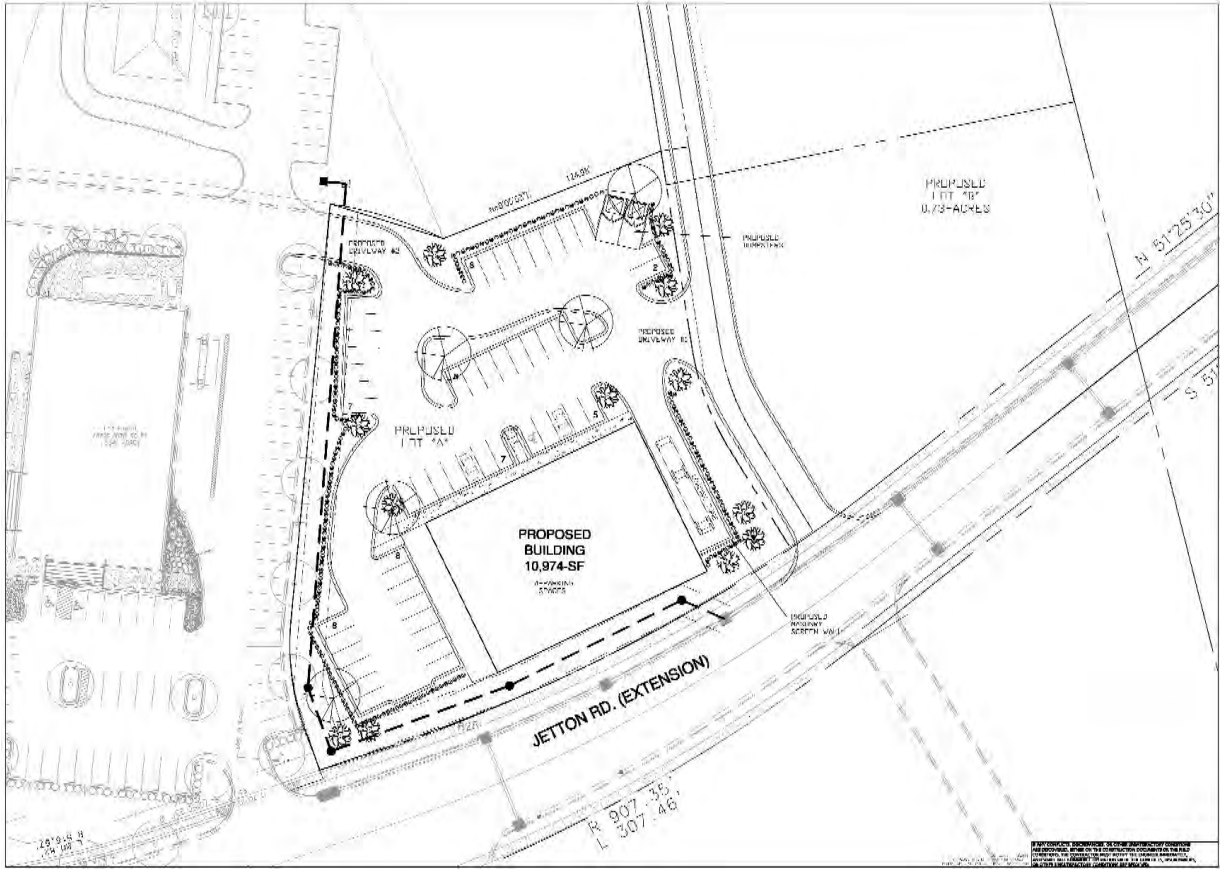
ELEVATIONS 4.23.2015

ADAMS + ASSOCIATES ARCHITECTURE

LAKE NORMAN HARDWARE

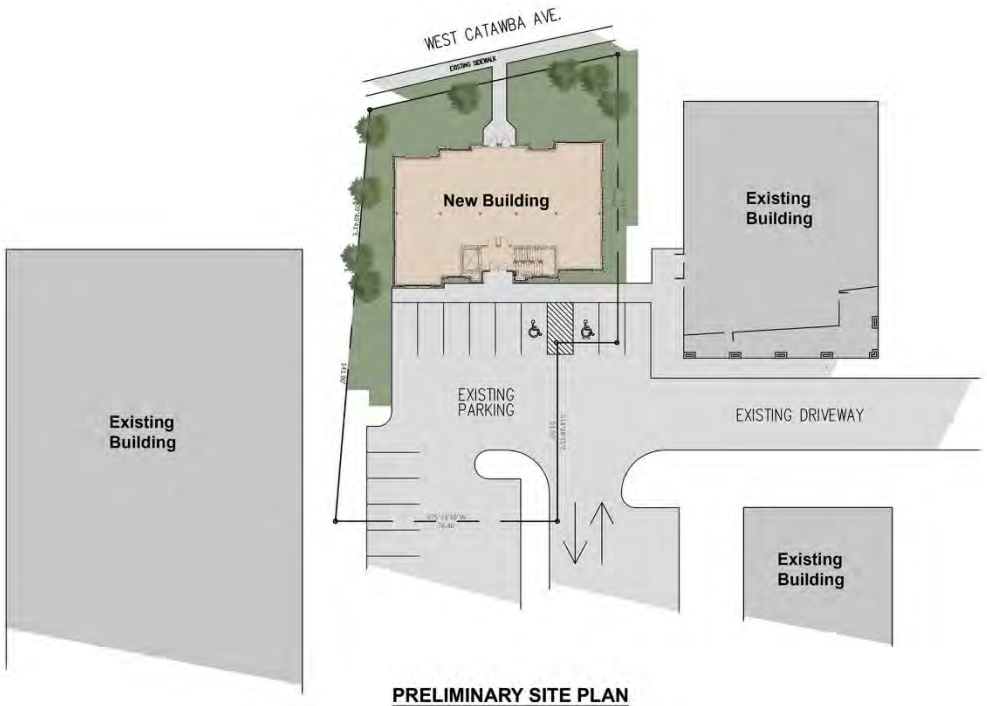
- **2.12 Acres**
- **Zoning: VC**
- **Proposed Use: Hardware Store**
- **10,974 square feet**
- **Administrative staff approval**





CATAWBA BETHEL BUILDING

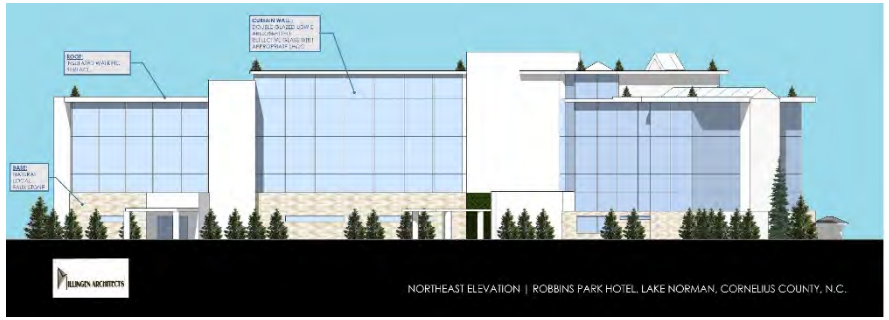
- +/- 0.287 Acres
- Zoning: VC
- Proposed Use: Two-Story Office Building
- 5,446 square feet
- Administrative staff approval

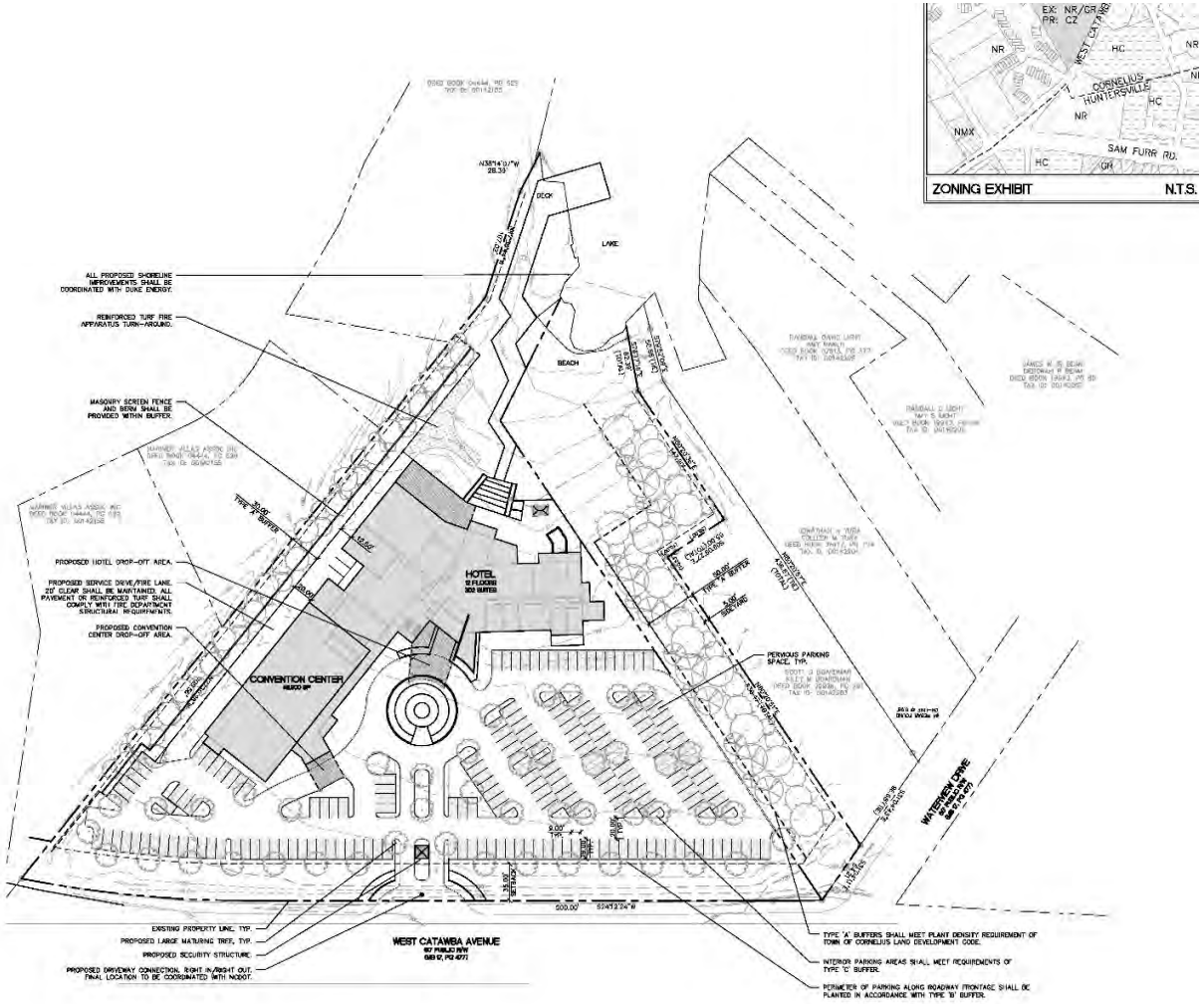


PRELIMINARY SITE PLAN

ROBBINS PARK HOTEL (original plan)

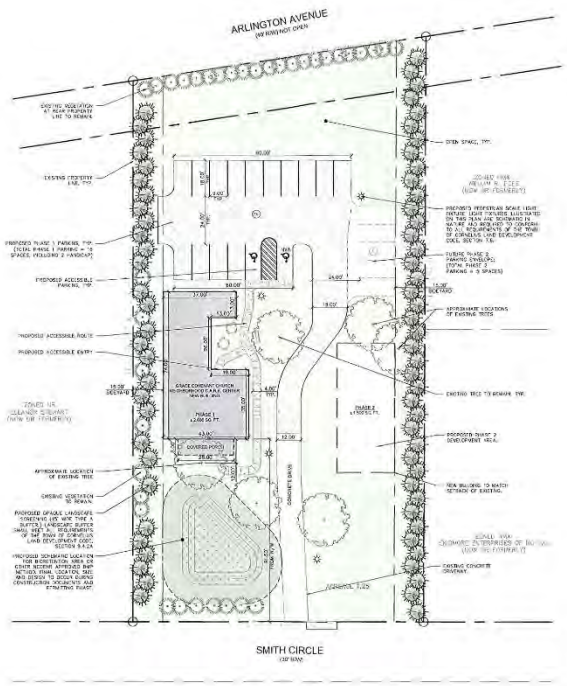
- +/- 6.165 Acres
- Proposed Use: Hotel & Conference Center
- 320+ hotel rooms w/ 11,900 square foot conf. center
- New plan submittal expected in next month
- No conference center and 145 rooms

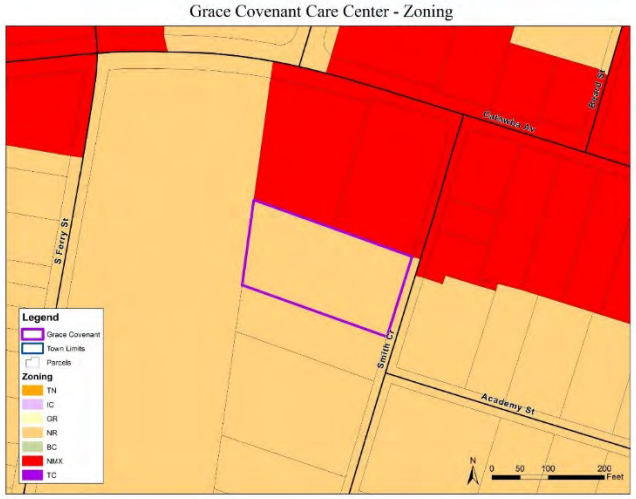




GRACE CARE CENTER (SMITH CIRCLE)

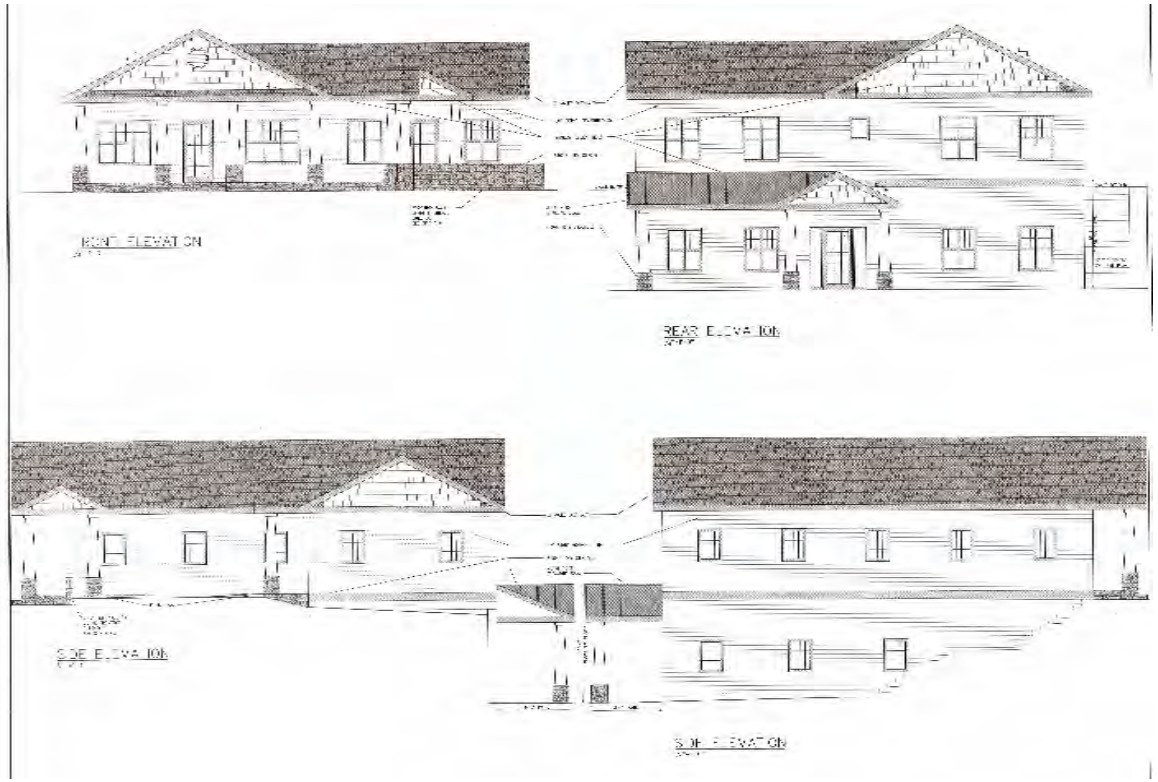
- **0.959 Acres**
- **Zoning: Neighborhood Residential**
- **Use: Community Center, Offices and Bike Repair shop**

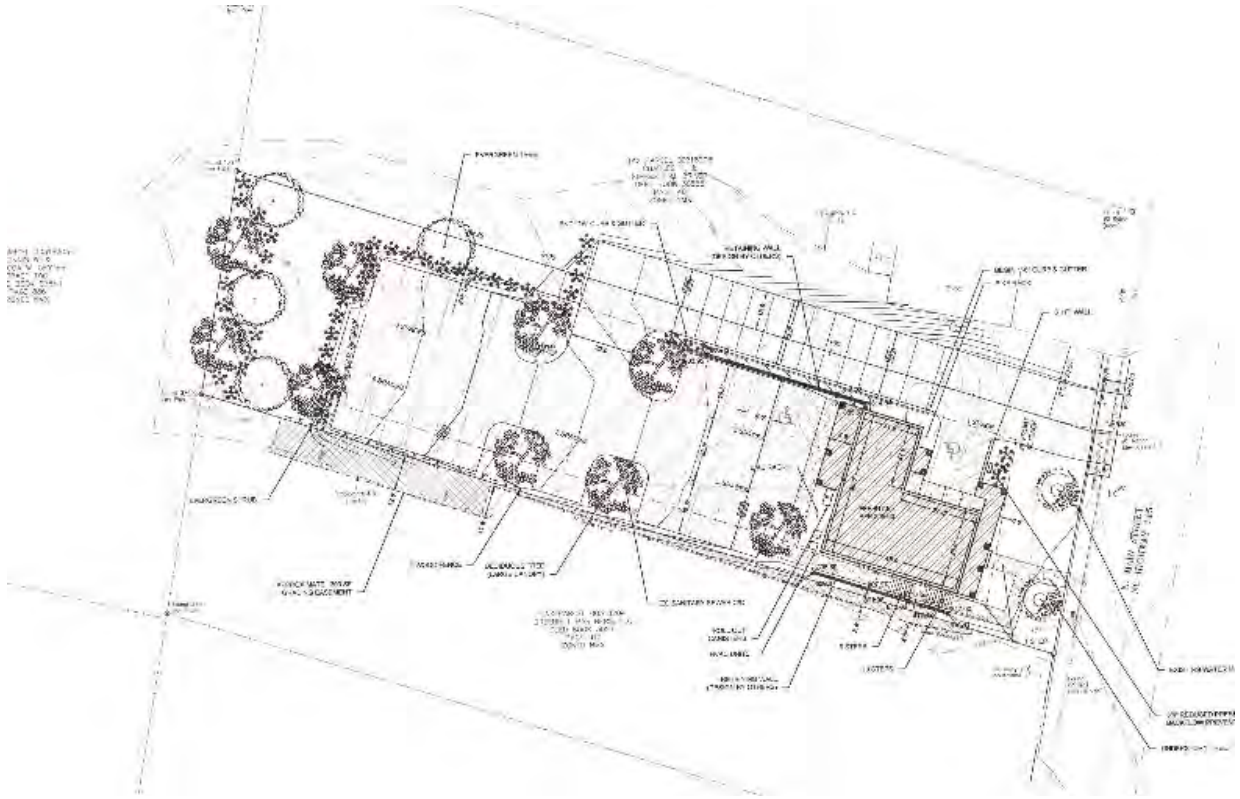




BELLE ISLE SALON (N. MAIN ST.)

- **0.517 Acres**
- **Proposed: Salon on basement level, commercial on ground floor**
- **Will demolish existing house first, new building will be about 3,600 square feet**
- **Proposed completion: 2018**





Town of Cornelius
Bonds Phase II
March 8, 2017

Phase II Bonds

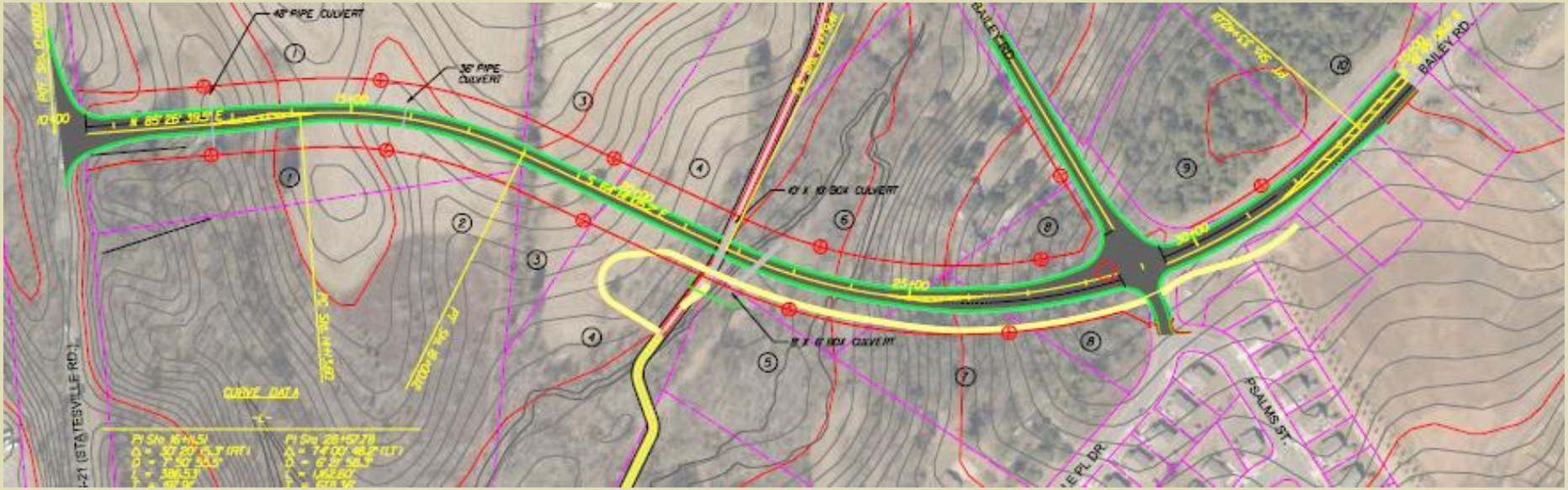
Street Bonds	Park Bonds	Town Center Redevelopment Bonds
$5,665,000	$1,050,000	$4,000,000
Bailey Rd. Realignment/Misc. Projects	Smithville Park/JV Washam Elementary Greenway	Cornelius Arts & Community Center

Tentative Phase II Bond Sale Calendar

May 20, 2018	Information due from the Town to LGC
June 1, 2018	LGC forwards 1st draft of official statement to working group
June 6, 2018	Due diligence conference call
June 21,2018	Finalize preliminary official statement
June 22,2018	Forward electronic preliminary official statement to LGC
July 2, 2018	Sale date
July 23, 2018	Closing/delivery

Bailey Road Realignment

- Scope: Realignment of Bailey Road
- Budget: $5.75 million
- Total Spent: $41,473 (Conceptual Design)
- Schedule: Construction 2019/2020

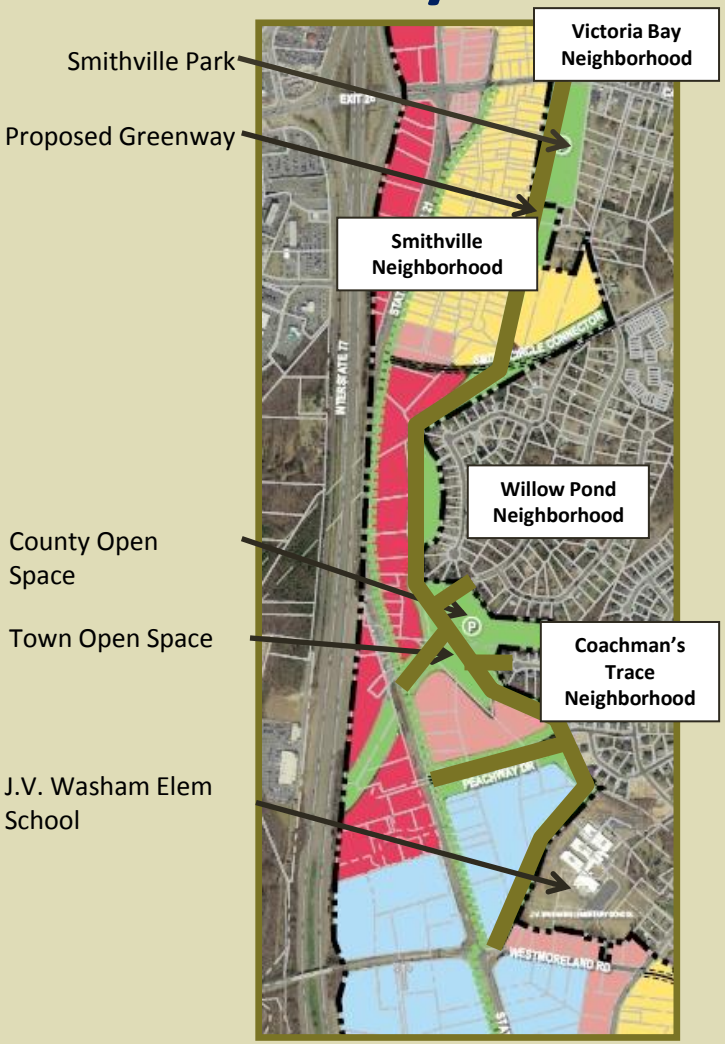


Potential Phase II Road Bond Projects

- Bailey Rd. Realignment ($5.75M)
- West Catawba Phase II local match ($1.2M)
- Highway 21 Roundabout local match ($452K)
- Northcross Dr. Extension local match ($2.5M)
- Torrence Chapel/West Catawba shortfall ($3.7M)
- I-77 Service Rd. to Westmoreland ($736K)
- Jetton Rd. Extension/Sefton improvements ($460K)
- Westmoreland Interchange (TBD)

Smithville Park/JV Washam Elementary School Greenway

- Scope: 1.8 miles of greenway from North Zion Ave to South Prong Greenway
- Budget: $3.2M ($1.4M grant, $1M Phase II bonds)
- Total Spent: $0
- Schedule: **COMPLETE FALL 2020**



Cornelius Arts & Community Center

- Scope: Arts and Community Center
- Budget: $4,000,000 Phase II bonds
- Total Spent: $0
- Schedule: **FY 2019**

Project Rankings

Project	Operations	Connectivity	Safety	Overall	B/C Ratio	Cost ($100K)
Bailey Road at Old Statesville Road	77	0	5	82	9.11	9
Westmoreland Road at Statesville Road	80	0	5	85	6.54	13
Gem Street Extension	36	10	5	51	4.64	11
Floral Lane Extension	22	10	0	32	3.56	9
Smithville Lane Extension	24	5	0	29	2.64	11
Bailey Road Re-alignment	59	15	0	74	2.24	33
Hickory Street Extension	18	10	5	33	1.94 *	17
Holiday Lane-Ferry Street Connector	13	5	0	18	1.64	11
Catawba Avenue Turn Lanes	11	0	5	16	0.53	30

Total Cost = $14.4M

**2.75 B/C Ratio if traffic signal cost removed*

Potential Roads & Intersection Projects

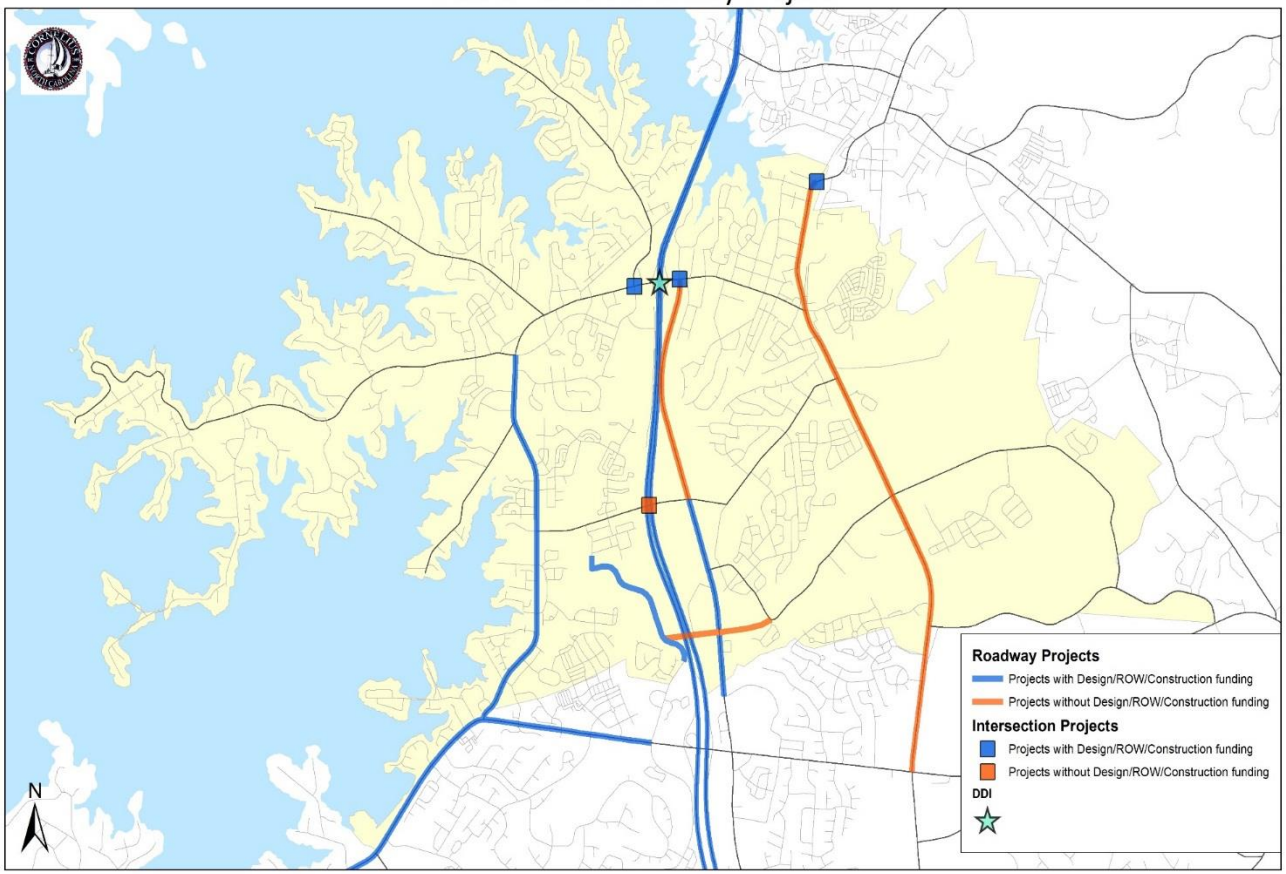
Proj #	Project Description	Est. Cost	Cumulative Total
2	Catawba Avenue (left turn lanes)	1,500,000	1,500,000
3	Floral Lane Ext. to Hwy. 21 (Stream crossing / greenway related)	550,000	2,050,000
6	Holiday Lane Connector to N. Ferry St.	820,000	2,870,000
7	Hwy. 21 Connectors in Smithville (Developer partnership)	1,000,000	3,870,000
8	I-77 Service Road to Westmoreland subdivision (Developer partnership)	300,000	4,170,000
10	West Catawba Avenue, Phase II (partner with NC DOT / SPOT ranking TBD, 2025 MTP)	1,200,000	5,370,000
11	West Catawba Avenue/Torrence Chapel Road Intersection (UPWP study, net of CMAQ)	630,000	6,000,000
12	Westmoreland Interchange (potential partnership w/NCDOT, Developers, IJR/EA/FONSI)	1,500,000	7,500,000
14	Northcross Drive Extension (net of STP-DA)	2,518,000	10,018,000
16	Hwy. 21 Roundabout (net of CMAQ)	594,000	10,612,000
17	Nantz Road realignment (different alignment proposed vs. Nantz Road SAP, Developer partnership)	300,000	10,912,000
23	Bailey Road/Hwy. 115 turn lanes (2025 MTP Horizon Year/SPOT ranking TBD)	1,000,000	11,912,000
25	Hwy. 21/Westmoreland Road Intersection (2025 MTP Horizon Year/SPOT ranking TBD)	1,000,000	12,912,000
4	Gem Street Ext. to Oak Street (Art Center related)	400,000	
5	Hickory St. to Antiquity (Hickory Street Extension)	750,000	
9	Vivian Lane Ext. to Smith Circle	300,000	
13	Crosswalk Enhancements (lighting bulb outs, flashers in road/aerial, raised crosswalks, signage)	250,000	
~~19~~	~~I-77 Service Road Extension to Southern Oil property to W. Catawba~~	~~750000~~	
21	Jetton Road Ext/Sefton Drive On-street Improvements	200,000	
24	Chartwell Center Drive/Liverpool Parkway Intersection (Potential roundabout)	800,000	
26	Knox Road Extension (Henderson Road to Bethel Church Road)	1,500,000	
27	Westmoreland Road into Oakhurst	500,000	
1	Bailey Road straightening (potential partnership w/developers, land owners, County)	1,000,000	
15	Bailey Road Flyover (potential partnership w/NCDOT, Developers)	9,000,000	
18	Safety Improvement - possible signalization and/or relocation of intersection at Hwy. 115/Mayes Road	1,500,000	
20	Intersections Improvements of Hwy. 115/Davidson St./Potts St.	2,000,000	
22	Bailey Road/Caldwell Depot Connector	1,500,000	
	Grand Total	33,362,000	

Town of Cornelius
(New Bonds)
March 8, 2017

TOWN OF CORNELIUS
SCHEDULE FOR GENERAL OBLIGATION BOND REFERENDUM
NOVEMBER 2018

7/18/18	Board adopts (1) Resolution directing publication of notice of intent to apply to the Local Government Commission (the *"LGC"*); (2) Resolution authorizing the Finance Director to apply to the LGC; and (3) Resolution making certain findings of fact
7/20/18	Publish Notice of Intent in *Newspaper of General Circulation* [have to wait 10 days after publication of Notice of Intent before applying to the LGC]
8/1/18	File Application with LGC and prepare Sworn Statement of Debt [receive letter from LGC confirming receipt of Application which must occur before the Bond Order is introduced]; File Statement of Estimated Interest
8/1/18	Board (1) Introduce the Bond Order at the Board Meeting; (2) adopts the Resolution setting a public hearing on the Bond Order on 8/09/18
8/2/18	File Sworn Statement of Debt with the Town Clerk [before public hearing]
8/2/18	Publish Notice of Public Hearing on the Bond Order in *Newspaper of General Circulation* [at least 6 days before public hearing]
8/08/18	Board (1) holds public hearings on adoption of the Bond Order; (2) adopts the Bond Order at the conclusion of the public hearing and (3) adopts the Resolution setting a Special Bond Referendum
8/9/18	Town Clerk delivers certified copy of the Resolution setting a Special Bond Referendum to the County Board of Elections
8/10/18	Town publishes Bond Order as adopted in *Newspaper of General Circulation*
8/15/18	File Notice with Joint Legislative Commission
by 9/30/18	Publish first Notice of Special Bond Referendum in *Newspaper of General Circulation* [Not less than fourteen days before last day to register to vote for Bond Referendum]
by 10/7/18	Publish second Notice of Special Bond Referendum in *Newspaper of General Circulation* [Not less than seven days before last day to register to vote for Bond Referendum]
11/08/18	Referendum
After 11/08/18	Adoption of Certificate of Canvass by the County Board of Elections
	Board adopts Resolution Certifying and Declaring Results of Special Bond Referendum
	Publish Statement of Result in *Newspaper of General Circulation*

Active NCDOT Roadway Projects



Active NCDOT Roadway Projects

Project	EST. Construction Commencement	Non-Town Funds Roadway	Type of Funds	Town Funds Roadway	Town Funds Bike/Ped, Betterment	Total Town Funds Spent To Date*****	Total Project Funds (All Sources)
Northcross Dr. Ext.	FFY19	$5,720,000 $2,000,000	STP-DA BA	$2,511,577	$2,250,000	$0	$12,481,577
Hwy 21 Roundabout	FFY19	$2,006,000 $6,700,000	CMAQ BA	$502,000	$2,250,000	$50,000	$11,458,000
Torrence Chapel/West Catawba Ave Intersection Improvement	FFY19	$5,000,000	BA	$1,000,000*	$1,305,000	$0	$7,305,000
Hwy 115/Davidson/Potts Intersections Improvement	FFY19	$6,000,000	BA	$0	$950,000	$0	$6,950,000
West Catawba Ave Phase II	FFY20	$31,000,000	Traditional STI funds	$1,200,000	$32,341,406 (U)	$0	$64,541,406
Hwy 21 Widening (A) (Northcross Ctr. Ct. to Westmoreland)	FFY20	$23,800,000	Traditional STI funds	$0	$3,741,818	$0	$27,541,818
Hwy 73 Widening (Beatties Ford Rd to West Catawba)	FFY21	$20,130,000	Traditional STI funds	$0	TBD**	$0	$20,130,000
Hwy 73 Widening (West Catawba to Northcross)	FFY21	$28,100,000	Traditional STI funds	$0	TBD**	$0	$28,100,000
Hwy 115 Corridor Improvement (Washam Potts to Potts)	Future****	$0	N/A	TBD***	TBD**	$0	$0
Westmoreland Interchange	Future****	$0	N/A	TBD***	TBD**	$0	$0
Bailey Rd. Flyover	Future****	$0	N/A	TBD***	TBD**	$0	$0
Hwy 21 Widening (B) (Westmoreland to Catawba)	Future****	$0	N/A	TBD***	TBD**	$0	$0
Hwy 115 Widening (Hwy 73 to Washam Potts)	Future****	$0	N/A	TBD***	TBD**	$0	$0
		$130,456,000		$5,213,577	$42,838,224	$50,000	$178,507,801

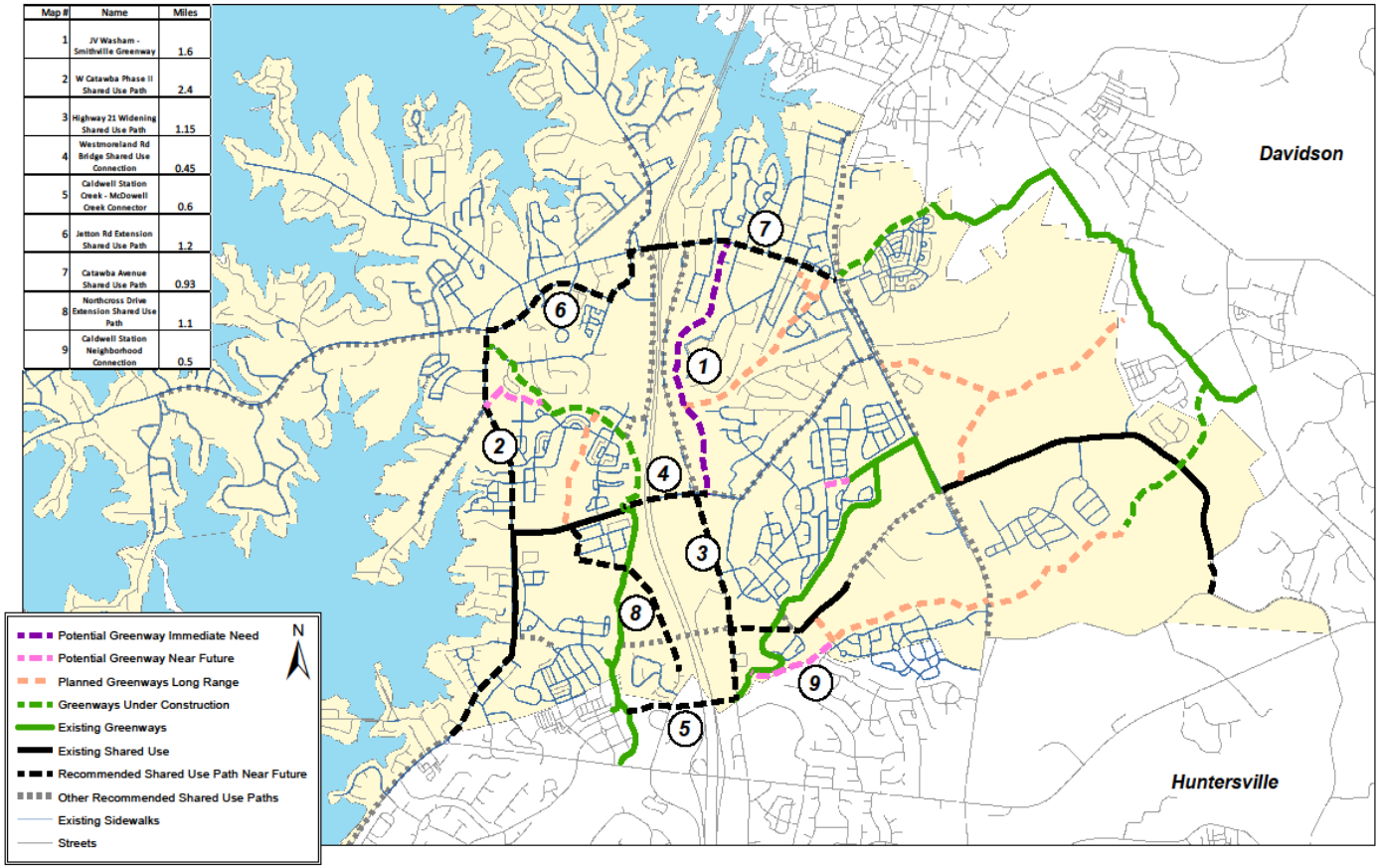
(U) Includes West Catawba Ave., Phase II Utility Burial ($26,186,406)
*Contingency if pending roadway cost estimates exceed $5M of Bonus Allocation Funds.
**At this time, betterments are not programmed; however, as design development progresses, it may be determined that betterments are appropriate.
***P5.0 process to determine if Town funding is appropriate.
****Construction estimated to commence greater than 5 years from now.
*****Costs for CIP items only. Does not refer to costs expended by Town for studies, preliminary planning, reports, conceptual design.

Projects with Roadway Construction Funding
Projects without Roadway Construction Funding

Subtotal Town Funds (Roadway + Betterments)	$48,051,801

Potential Greenway and Shared Use Projects

Map #	Name	Miles
1	JV Washam - Smithville Greenway	1.6
2	W Catawba Phase II Shared Use Path	2.4
3	Highway 21 Widening Shared Use Path	1.15
4	Westmoreland Rd Bridge Shared Use Connection	0.45
5	Caldwell Station Creek - McDowell Creek Connector	0.6
6	Jetton Rd Extension Shared Use Path	1.2
7	Catawba Avenue Shared Use Path	0.93
8	Northcross Drive Extension Shared Use Path	1.1
9	Caldwell Station Neighborhood Connection	0.5



Town of Cornelius
2018-2022 Capital Improvement Plan Summary
February 15, 2017

DEPT	DESCRIPTION	Source	2018	2019	2020	2021	2022	Future	Total
Fire	Replace Chief's Truck	Debt	-	55,000	-	-	-	-	55,000
Fire	Replace Engine 3	Debt	625,000	-	-	-	-	-	625,000
Fire	Fire Station #3-Land and Potential Training Center	Debt	-	-	-	-	-	3,000,000	3,000,000
Fire	Replace Engine 4	Debt	-	-	-	700,000	-	-	700,000
Fire	Replace Truck 4	Debt	-	-	-	-	1,000,000	-	1,000,000
PD	Vehicle Replacement Program	Both	230,000	235,000	240,000	245,000	250,000	-	1,200,000
PD	Video Surveillance Program	Fund Bal	50,000	50,000	50,000	50,000	50,000	-	250,000
PD	Police Substation	Fund Bal	-	-	-	-	-	300,000	300,000
IT	Computer Replacement Program	Fund Bal	45,000	45,000	45,000	45,000	45,000	-	225,000
Planning	Planning Truck	Debt	30,000	-	-	-	-	-	30,000
PW	Hwy 21 Roundabout- Bike/Ped Accommodations, aesthetics/utility burial	FB/F Bond	-	-	2,250,000	-	-	-	2,250,000
PW	Bailey Road Extension	Bonds Ph-1-2	400,000	5,798,000	-	-	-	-	6,198,000
PW	DDI Aesthetics	Fund Bal	390,000	1,000,000	-	-	-	-	1,390,000
PW	Hwy 21 Roundabout-Local Match	Fund Bal	250,000	202,000	-	-	-	-	452,000
PW	Hwy 21 Widening (A)- Bike/Ped Accommodations, Aesthetics	FB/F Bond	-	-	-	-	3,741,818	-	3,741,818
PW	Hwy 115- North Corridor- Bike/Ped Accommodations, Aesthetics	FB/F Bond	-	-	-	-	-	3,275,000	3,275,000
PW	Hwy 115/Potts St/Davidson St Intersection Improvement-Aesthetics	FB/F Bond	-	-	950,000	-	-	-	950,000
PW	I-77 Service Road to Westmoreland	Debt	-	-	-	-	-	736,250	736,250
PW	Jetton Road Extension	Debt	-	-	460,000	-	-	-	460,000
PW	Live Work Unit Streetscape	Debt	-	-	1,000,000	-	-	-	1,000,000
PW	Northcross Dr. Extension- Bike/Ped Accommodations	FB/F Bond	-	-	2,250,000	-	-	-	2,250,000
PW	Northcross Drive Extension-Local Match	Fund Bal	289,000	2,222,577	-	-	-	-	2,511,577
PW	Public Works Equipment	Debt	75,000	50,000	50,000	50,000	-	-	225,000
PW	Sidewalks (includes Bike Cornelius Signage Route #1)	FB Powell	300,000	-	300,000	-	300,000	-	900,000
PW	Stream Restoration Project- Upper McDowell Creek	Debt	-	-	-	-	-	176,000	176,000
PW	Stream Restoration Project- Willow Pond	Debt	30,000	60,000	510,000	-	-	-	600,000
PW	Road Resurfacing	FB Powell	-	800,000	-	800,000	-	-	1,600,000
PW	Torrence Chapel Rd/West Catawba Ave Intersection-Local Match	FB/F Bond	-	700,000	-	-	-	-	700,000
PW	Torrence Chapel Rd/West Catawba Ave Intersection-Bike Ped, Aesthetics	FB/F Bond	-	-	1,345,000	-	-	3,600,000	4,945,000
PW	West Catawba Ave, Phase II- Bike/Ped, Aesthetics	FB/F Bond	-	-	-	6,155,000	-	-	6,155,000
PW	West Catawba, Phase II-Local Match	FB/F Bond	-	-	-	1,200,000	-	-	1,200,000
PW	West Catawba Ave, Utility Burial- Phase IIA (Jetton to Nantz)	FB/F Bond	-	-	-	2,284,345	2,284,345	-	4,568,690
PW	West Catawba Ave, Utility Burial- Phase IIB (Nantz to Westmoreland)	FB/F Bond	-	-	-	3,844,387	3,844,388	-	7,688,775
PW	West Catawba Ave, Utility Burial- Phase IIC (Westmoreland to Hwy 73)	FB/F Bond	-	-	-	6,964,470	6,964,470	-	13,928,940
PW	Westmoreland Bridge Reconfiguration-Local Match ***	FB/F Bond	-	-	540,000	-	-	-	540,000
PARC	Bailey Road North Neighborhood Park	Debt	1,000,000	-	-	-	-	2,800,000	3,800,000
PARC	Bailey Road Park Expansion	Debt/F Bond	-	-	2,000,000	-	-	-	2,000,000
PARC	Bailey Road Park Major Renovations	Debt/F Bond	-	-	835,000	-	-	1,130,000	1,965,000
PARC	Bailey Road Park Tennis/Pickleball Complex	Debt	-	-	-	-	-	555,000	555,000
PARC	Bailey Road Park Track Renovation & Synthetic Turf Field	Debt	1,100,000	-	-	-	-	-	1,100,000
PARC	Caldwell Station Creek Greenway (South) Phase II	Debt	-	-	-	-	-	1,750,000	1,750,000
PARC	Community/Art Center	Bonds Ph-2	-	4,000,000	-	-	-	-	4,000,000
PARC	Washam Neighborhood Park	Debt	-	-	-	-	-	1,000,000	1,000,000
PARC	Field Grooming Equipment & Utility Vehicle	Both	40,000	-	-	-	-	-	40,000
PARC	Facility Renovation & Expansion	Fund Bal	128,500	87,000	70,000	146,000	212,000	225,000	868,500
PARC	Glen Oak Green Park Connector	Debt/F Bond	-	-	518,000	-	-	-	518,000
PARC	Jetton Neighborhood Park Major Renovations	Debt/F Bond	-	-	300,000	-	-	-	300,000
PARC	Legion Park Major Renovations	Debt	-	-	-	-	-	450,000	450,000
PARC	Mini Park Land Acquisitions & Development	Debt	-	-	-	-	-	2,000,000	2,000,000
PARC	Nantz Road Connector Greenway	Debt/F Bond	-	-	518,000	-	-	-	518,000
PARC	North Bailey Road Greenway	Debt	-	-	-	-	-	2,558,000	2,558,000
PARC	North Bailey Road to Bailey Road Greenway	Debt	-	-	-	-	-	750,000	750,000
PARC	Old Cornelius to Statesville Road Greenway	Debt	-	-	-	-	-	2,035,000	2,035,000
PARC	Robbins Park	Debt/F Bond	-	210,000	2,300,000	-	-	2,300,000	4,810,000
PARC	Synthetic Turf Multi-Purpose Field- Smithville Park	Debt	-	-	-	-	850,000	-	850,000
PARC	Smithville Park Major Renovations	Debt	-	-	-	-	430,000	-	430,000
PARC	Smithville Park to JV Washam ES Greenway	Bonds Ph-2	560,000	1,300,000	-	-	-	-	1,860,000
PARC	South Bailey Road Greenway Phase III	Debt	-	-	-	-	-	2,250,000	2,250,000
PARC	Southeast Cornelius Neighborhood Park	Debt	1,000,000	-	-	-	-	2,800,000	3,800,000
PARC	Spray Park	Debt	-	-	-	-	-	500,000	500,000
PARC	Stratford Forest Greenway	Debt/F Bond	-	-	690,000	-	-	-	690,000
PARC	Torrence Chapel Park Major Renovations	Debt	-	-	-	-	650,000	-	650,000
PARC	Victoria Bay Greenway	Debt	-	-	-	-	-	2,411,000	2,411,000
PARC	Village Center Neighborhood Park	Debt	-	-	-	-	-	3,200,000	3,200,000
PARC	Waterfront Park	Debt	-	-	-	-	-	2,500,000	2,500,000
PARC	Westmoreland/McDowell Creek Neighborhood Park	Debt	-	-	-	-	-	3,400,000	3,400,000
PARC	Westmoreland Park Greenway	Debt	-	-	-	-	-	1,210,000	1,210,000
			4,414,000	16,727,577	17,151,000	9,245,000	7,316,818	41,086,250	100,479,335

No Collateral Projects (must use fund balance or consider future bonds)
Potential Projects for Phase II bond issuance
***Committed Local Match

DRAFT

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From:

Action Requested:

Personnel/Operating Goals

- CVFD (Cornelius Volunteer Fire Department) - Neal Smith
- CPD (Cornelius Police Department) - Bence Hoyle
- Remaining Goals - Anthony Roberts

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
2017-2018_Budget_Presentation_VFD.pptx	CVFD	Presentation
Records_Clerk_(002).pptx	CPD	Presentation
Operating_Goals_FY18.pdf	Operating Goals	Backup Material

CORNELIUS-LEMLEY
FIRE & RESCUE
CORNELIUS
LEMLEY
2
CORNELIUS-LEMLEY
FIRE-RESCUE
ENGINE
2

2017

2017-2018 Budget/CIP Request

Budget Request

- 4 Additional Personnel - $380,000
- Equipment Replacement/Maintenance - $60,000

CIP Request

- Replace Engine 3 - $675,000
- Replace Chief's Vehicle - $55,000
- Land for Station 3/Training Facility – Cost Evaluation

Reasons for 2017-2018 Request

- This year our focus is manpower, apparatus, equipment replacement, and land.
- Increased manpower is essential to provide the service needed for the Town of Cornelius.
- The call volume, population, and area construction continue to increase.
- Overlapping calls are averaging 50% in the last 2 years.
- Call volume in specific fire demand zones have increased showing a need for an addition station on the west side of the interstate. (Westmoreland Road/Catawba Avenue)
- Therefore, we are requesting land for Fire Station 3 and a Training Facility.
- Apparatus replacement must remain in a time cycle for replacement.
- Engine 3 is due for replacement this year.
- By funding the Cornelius-Lemley Fire department with equipment, apparatus, manpower, stations, and training facilities, the Town of Cornelius will address the increase in demand and level of service needed.

Personnel
Increase coverage an additional 4 shifts- 24/7 ($380,000)

Calendar Year	Total Number of Calls	Percent Increase in Call Volume	Mutual Aid Given	Mutual Aid Recieved	Total Number of Cornelius Calls	Percent Increase for Cornelius Call Volume	Time on Calls	Turn Out Times	Response Time	Overlapping Calls
2013	2484		473	303	2011		18 minutes	1:33	4:54	29%
2014	2517	1.32%	420	301	2097	4.27%	22 minutes	1:29	4:55	27%
2015	2722	8.14%	423	253	2299	9.63%	21 minutes	1:26	4:50	55%
2016	2970	9.11%	475	285	2495	8.53%	22 minutes	1:26	5:10	46%

We need to increase Personnel:

- ✓ Handle overlapping Incidents
- ✓ Meet NFPA Standards
- ✓ Respond to in-district Calls
- ✓ Maintain current staffing and operations
- ✓ Sustain a volunteer/combination department
- ✓ Accommodate Lake EMS services

Total Cost $380,000

AT MINIMUM 2 PEOPLE AT $190,000

Equipment Replacement/Maintenance
$60,000 Budget Increase

- In-service equipment must be replaced with new technology, wears out, or cannot be fixed. Examples of aging equipment: Thermal Imaging cameras, suction units, ropes, rope hardware, computer software/sonar upgrade, I-Pads, gas meters, and hose are just a few of our replacement items.

- New equipment is purchased as our department grows. This equipment helps with the everyday issues we face on incidents. The incidents and changing responsibilities as a fire department are driving factors. Examples: Cold water gear, PFDs, and throw bags are needed for the lake after taking over EMS responsibilities.

- Maintenance has continued to increase as the fleet gets older. The newer trucks are more computer based and have emission requirements. This also has escalated the cost of maintenance.

CIPS
New Engine/Replacement of Engine 3
$675,000

Current

- Engine 3 is a 1995 Seagrave that has performed exceptionally.
- Normal life expectancy for an engine is 10 years front line, 10 years as a back up, and 5 years in reserve.
- A five year rotation of engine companies is ideal for this department.
- NFPA 1901 gives an engine up to 25 years of service as a reserve before requiring recertification to continue service at a large expense.

Replacement

- The amount of $675,000 includes the apparatus, delivery fees, travel expenses, radio up-fit, graphics, light package, emergency warning devices, and all new equipment to place it in-service.

Replace Chief's Vehicle
$55,000 (Chevrolet Tahoe, F250, Ford Expedition)

<u>Current</u>

- Chief's vehicle is a 2004 Dodge Durango.
- This SUV is starting to have mechanical issues: Burning oil, transmission slipping, and water leaks.
- It is fire apparatus that often does not get to warm up creating wear and tear.

<u>Replacement</u>

- A larger SUV/Truck for use as a command vehicle: Tahoe, Expedition, F250.
- Replacement cost would include: Base vehicle price, red paint, light package, rear compartment upgrade, siren package, radio up fit, airpack bracket, and all graphics.

Hydraulic Tools (E-Draulics) - $60,000

- Six additional tools are needed to better support the rescue efforts that continue to increase: Two cutters, two spreaders, and two rams.

- E-Draulics are battery operated and give the same cutting forces as hydraulic systems. They are mobile and can be placed in service without requiring a truck to assist.

- The tools will be placed on two apparatus to serve as front line equipment for extrications, forcible entry, lifting, spreading, and cutting.

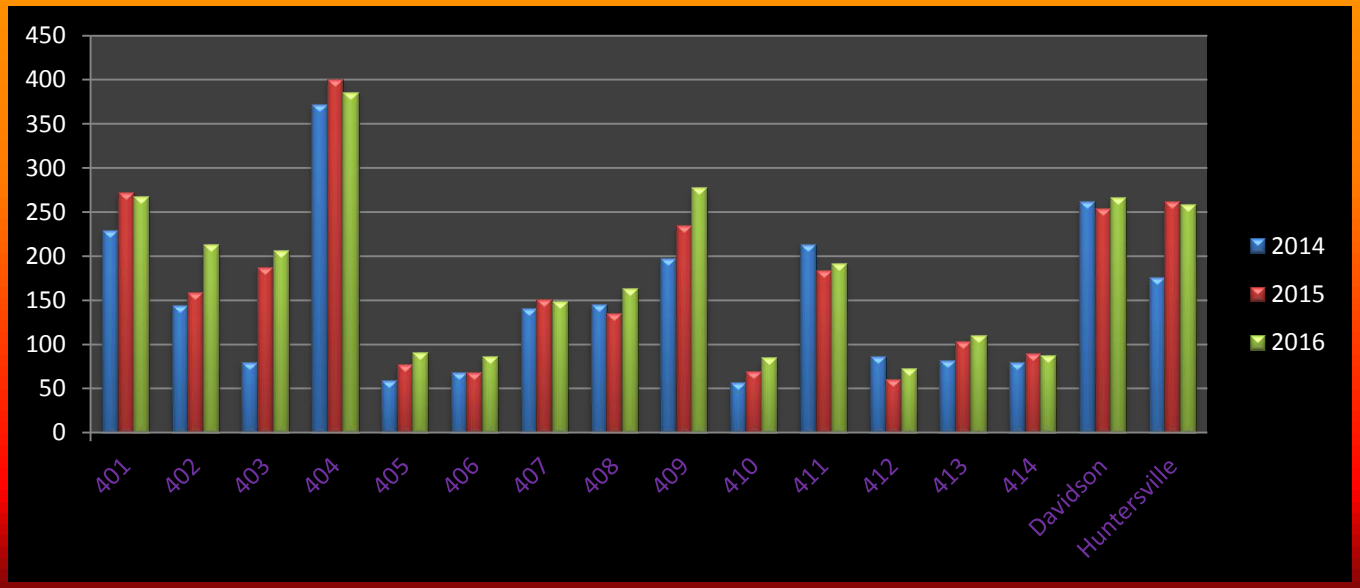
Land for Station 3/Training Facility
Cost Evaluation ~ $1,500,000

- CLVFD is requesting the purchase of land for a third fire station, satellite police station, and training facility.

Reasons for Station/Training Facility

- Call volume has increased in the Westmoreland Rd/Catawba Ave. area.
- Overlapping calls are creating voids.
- The changing infrastructure and construction in this area is increasing.
- Currently we are not serving areas in the town limits of Cornelius for EMS: Forrest Shadow Neighborhood, Catawba Ave. to Hwy 73 past Vineyard Point to Sterling Pointe.
- Land is undeveloped and more cost efficient prior to development.
- A training facility can provide classroom and hands on activities in a realistic setting for Fire, Police, EMS, and our community.

	Calls	Per	Year	Percent
Fire Demand Zone	2014 (2517 calls)	2015 (2722 calls)	2016 (2970 calls)	Increase
401 - Station 1	230	272	268	16.5%
402 - Station 1	144	159	213	47.9%
403 - Station 1	80	187	207	158.8%
404 - Station 1 (3)	372	401	386	3.7%
405 - Station 1	59	77	91	54.2%
406 - Station 2	69	69	87	26.1%
407 - Station 2	141	151	149	5.7%
408 - Station 2 (3)	145	135	163	12.4%
409 - Station 2 (3)	198	235	278	40.4%
410 - Station 2	57	70	85	49.1%
411 - Station 2	214	184	192	-10.3%
412 - Station 2	87	61	73	-16.1%
413 - Station 2 (3)	82	104	111	35.4%
414 - Station 2 (3)	80	90	88	10%
Davidson - Station 1	262	254	267	1.9%
Huntersville-Station 1,2,(3)	176	262	259	47.1% (-1.2%)



Summary for 2017-2018 Budget

- Our goal at CLVFD is to advance our department to meet the needs for the ever-changing environment around Town of Cornelius. This is a joint effort and must be accomplished together.

- We have addressed and requested:
  1. Manpower – To increase by 4 personnel.
  2. Apparatus – Purchase of new engine and maintain 5 year rotation of apparatus.
  3. Equipment replacement/Maintenance – Increase base line budget to address issues.
  4. Additional CIP's – Additional hydraulic tools requested. Emergency light.
  5. Purchase of Land – Station 3/ Training Facility/ Satellite Police Station / Community Room – Answer the need due to increased call volume and overlapping calls.

- Thank you for your support!

Contact:

Neal Smith
nsmith@corneliusfd.org
704-634-1941 (Cell)
704-892-1544 (Station)

Staffing: Records Function

Summary

- Law enforcement records are very much like the health care industry in that it is heavily regulated (privacy, FOIA, standardized reporting).
- More importantly, our records are the basis for our prosecution of cases, which means victims depend on it.
- Every report that comes into our system has to be coded properly to ensure we report correctly. This coding cannot happen in the field.
- We have always had 1 FTE in this unit despite our growth and we have struggled with data integrity.
- It takes much more than 1 FTE to do all the work that is required, so sworn personnel, supervisors, and dispatchers have stepped up when they could.
- However, we have reached a point where we have to add staff

RMS – Much more than a Report

- **The RMS system is made up of many components**

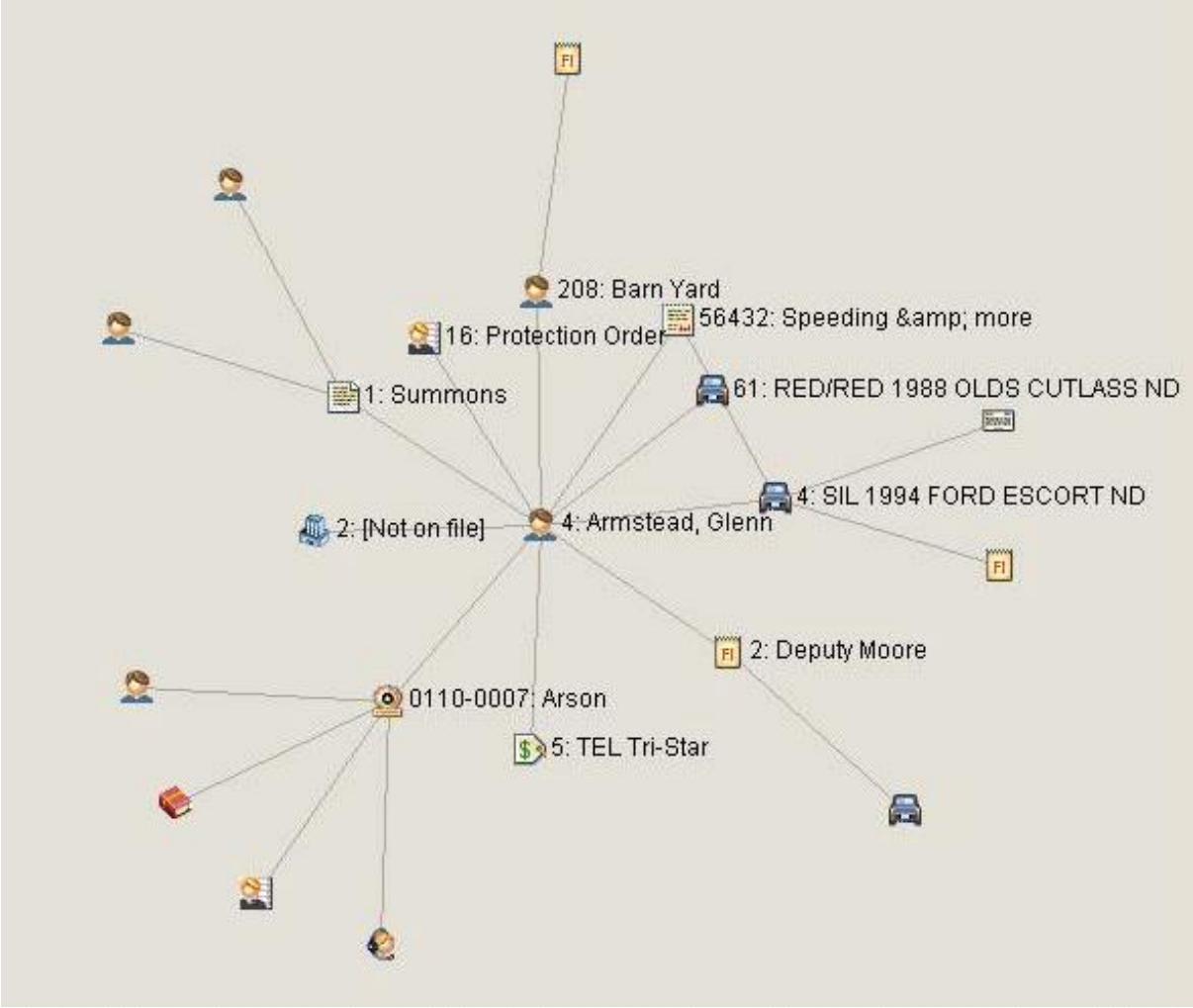
Master Indices
- Name Index
- Master Vehicle Index
- Master Property Index
- Master Location Index
- Master Organization Index

Master Indices are critical to our system. Each maintains a unique record, which must be manually maintained to ensure there are no duplicates in the system.

- **For example, when we have a person's name and we have them alerted as a violent domestic offender, we have to make sure if that person is stopped and his name or date of birth is entered wrong, his address has changed, or he has changed hair color, tatoos, etc., that we properly identify those changes. Otherwise we end up with two different people in the system that are actually one and the same. The same applies to every one of those indices.**

RMS – Much more than a Report

Indices are what drive our link analysis and they have to be constantly maintained



RMS – Inflows

- **Xfers in from CAD**
- **Incident Reporting**
  - Initial Incident Report
  - Supplemental Report
  - Report Review Changes
- **Investigative Case Management**
  - Investigator Assignments
  - Case Progress Codes
  - Investigative Supplements
  - Charging Documents
  - Case Dispositions
- **Property and Evidence Management**
  - Collect Property and Evidence
  - Vehicle Impound
  - Property and Evidence Storage
  - Property and Evidence Disposition
- **Warrant**
  - Receive and Process Warrant
  - Verify Warrant
  - Warrant Service
  - Cancel Warrant
- **Arrest**
  - Arrest Report
  - Arrest Warrant Service
  - DWI Arrest
- **Juvenile Contact**
  - Juvenile Contact Report
  - Juvenile Detention Report
  - Juvenile Referral
- **Crash Reports**
- **Citations Issued**
- **Field Contact**
- **Pawn Records**
  - Receive and Process Pawn Data
  - Seize Pawn Property
  - Analysis of Pawn Data
  - Regional and State Pawn Reporting

RMS – Inflows

- **Equipment and Asset Management**
  - Equipment Receipt
  - Equipment Issuance
  - Equipment Checkout
  - Equipment Check-In
  - Physical Inventory/Audit
  - Equipment Maintenance
  - Equipment Disposal
- **Fleet Management**
  - Fleet Receipt
  - Fleet Issuance
  - Fuel Log
  - Fleet Maintenance
  - Damage Reporting
  - Fleet Disposal
- **Personnel**
  - Operational Management
  - Personnel Information
  - Scheduling and Assignment
  - Exceptions
  - Duty Roster
  - Training and Certification
- **RMS External Reporting**
  - Aggregate Reporting
  - Standardized Reporting
  - Ad Hoc Reporting
- **RMS System Administration**
  - Security
  - RMS Table Maintenance
  - Data Management
  - Geofile Maintenance
- **RMS Interfaces**
  - CAD Interfaces
  - Local/Regional Interfaces
  - State/Federal Interfaces
  - N-DEx Exchange
  - Suspicious Activity Report (SAR) Exchange

Other Records Related Functions

- In addition to the inflows listed, this position also must manage system updates and train new personnel on the use of the system.
- Unrelated to RMS, this position also manages our ID Cards, office supplies, Notary, front desk in the absence of the receptionist and many other functions.

Conclusion

- This is one of the positions that we do not have a proper succession plan.
- This position is highly trained and we cannot currently substitute another person in this role.
- Recently, the person in our records manager position was hospitalized, and we had no records properly coded for some time.
- We have requested this position before, but it is critically important we address it now. We will still have far fewer clerical positions than departments our size
- I am requesting 1 FTE, entry level, in the position of Records Clerk.

Town of Cornelius
Operating Budget Goals Request
For the Fiscal Year Ending June 30, 2018

Dept	Goal Description	Dept Request	Mgr Recommends
Planning	Finish update to the Land Development Code; anticipate BOC adoption in Sept. 2017	-	-
Planning	Evaluate Potential Small Area Plan Updates areas for potential land use changes	-	-
Planning	Implement UPWP and TAP Grants	33,000	33,000
Planning	Update GIS mapping system (Intern)	21,000	15,000
Planning Total		54,000	48,000
Pub Works	Finalize construction of the Public Works Building	-	-
Pub Works	Begin construction on the road bond projects	-	-
Pub Works Total		-	-
Finance	Update employee reviews to a uniform annual date	-	-
Finance	Update employee time tracking system	5,000	5,000
Finance Total		5,000	5,000
Police	Create a full time Administrative Assistant (Records Clerk) position	46,800	46,800
IT	Hire Help desk in house (Contractor to FT)	12,000	12,000
PD Total		58,800	58,800
PARC	Add one full-time recreation program assistant	49,200	49,200
PARC	Pay JV Washam Gym operations costs per 2005 Town/CMS joint use agreement	14,000	14,000
PARC	Expand summer day camp from 60 to 100 participants and accommodate increased programming and program participation. Add one full-time recreation program assistant by March 1, 2018 (Net 12K)	34,000	-
PARC	Assume maintenance of Caldwell Station Creek (12 months) and Antiquity Greenway (3 months)	30,000	-
PARC/Art Total		127,200	63,200
Fire	Replace aging equipment and maintenance	55,000	10,000
Fire	Increase PT personnel by 4 to cover ovelapping calls	380,000	-
Fire	Replacement of hydraulic tools	60,000	50,000
Fire Total		495,000	60,000
Grand Total		738,800	235,000

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Action Requested:

- CIP Summary

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
CIP_Summary-FY_18_Order.pdf	CIP	Backup Material
FY18_CIP_Document.pdf	CIP Summary Sheets	Backup Material

Town of Cornelius
2018-2022 Capital Improvement Plan Summary
March 8, 2017

DEPT	DESCRIPTION	Source	debt pmt	2018	2019	2020	2021	2022	Future	Total
PARC	Bailey Road Park Track Renovation & Synthetic Turf Field	Debt	-	1,100,000	-	-	-	-	-	1,100,000
~~PARC~~	~~Bailey Road North Neighborhood Park~~	~~Debt~~		~~1,000,000~~	~~-~~	~~-~~	~~-~~	~~-~~	~~2,800,000~~	~~3,800,000~~
~~PARC~~	~~Southeast Cornelius Neighborhood Park~~	~~Debt~~		~~1,000,000~~	~~-~~	~~-~~	~~-~~	~~-~~	~~2,800,000~~	~~3,800,000~~
Fire	Replace Engine 3	Debt	73,193	675,000	-	-	-	-	-	675,000
PARC	Smithville Park to JV Washam ES Greenway	Bonds Ph-2		560,000	1,300,000	-	-	-	-	1,860,000
PW	Bailey Road Extension	Bonds Ph-1-2		-	5,798,000	-	-	-	-	5,798,000
PW	DDI Aesthetics	Fund Bal		390,000	1,000,000	-	-	-	-	1,390,000
PW	Sidewalks (includes Bike Cornelius Signage Route #1)	FB Powell		300,000	-	300,000	-	300,000	-	900,000
PW	Northcross Drive Extension-Local Match	Fund Bal		289,000	2,222,577	-	-	-	-	2,511,577
PW	Hwy 21 Roundabout-Local Match	Fund Bal		250,000	202,000	-	-	-	-	452,000
PD	Vehicle Replacement Program	Both	26,329	230,000	235,000	240,000	245,000	250,000	-	1,200,000
~~PARC~~	~~Facility Renovation & Expansion~~	~~Fund Bal~~		~~128,500~~	~~87,000~~	~~70,000~~	~~146,000~~	~~212,000~~	~~225,000~~	~~868,500~~
PW	Public Works Equipment	Debt	13,165	75,000	50,000	50,000	50,000	-	-	225,000
PD	Video Surveillance Program	Fund Bal		50,000	50,000	50,000	50,000	50,000	-	250,000
IT	Computer Replacement Program	Fund Bal		45,000	45,000	45,000	45,000	45,000	-	225,000
PARC	Field Grooming Equipment & Utility Vehicle	Fund Bal		40,000	-	-	-	-	-	40,000
PW	Stream Restoration Project- Willow Pond	Fund Bal		30,000	60,000	510,000	-	-	-	600,000
Planning	Planning Truck	Debt	5,266	30,000	-	-	-	-	-	30,000
PARC	Community/Art Center	Bonds Ph-2		-	4,000,000	-	-	-	-	4,000,000
PW	Road Resurfacing	FB Powell		-	800,000	-	800,000	-	-	1,600,000
PW	Torrence Chapel Rd/West Catawba Ave Intersection-Local Match	F Bond		-	700,000	-			-	700,000
PARC	Robbins Park	F Bond		-	210,000	2,300,000	-	-	2,300,000	4,810,000
Fire	Replace Chief's Truck	Debt		-	55,000	-	-	-	-	55,000
PW	Hwy 21 Roundabout- Bike/Ped Accommodations, aesthetics/utility burial	F Bond		-	-	2,250,000	-	-	-	2,250,000
PW	Northcross Dr. Extension- Bike/Ped Accommodations	F Bond		-	-	2,250,000	-	-	-	2,250,000
PARC	Bailey Road Park Expansion	F Bond		-	-	2,000,000	-	-	-	2,000,000
PW	Torrence Chapel Rd/West Catawba Ave Intersection-Bike Ped, Aesthetics	F Bond		-	-	1,345,000	-	-	3,600,000	4,945,000
PW	Live Work Unit Streetscape	Debt		-	-	1,000,000	-	-	-	1,000,000
PW	Hwy 115/Potts St/Davidson St Intersection Improvement-Aesthetics	F Bond		-	-	950,000	-	-	-	950,000
PARC	Bailey Road Park Major Renovations	F Bond		-	-	835,000	-	-	1,130,000	1,965,000
PARC	Stratford Forest Greenway	F Bond		-	-	690,000	-	-	-	690,000
PW	Westmoreland Bridge Reconfiguration-Local Match ***	F Bond		-	-	540,000	-	-	-	540,000
PARC	Glen Oak Green Park Connector	F Bond		-	-	518,000	-	-	-	518,000
PARC	Nantz Road Connector Greenway	F Bond		-	-	518,000	-	-	-	518,000
PW	Jetton Road Extension	Debt		-	-	460,000	-	-	-	460,000
PARC	Jetton Neighborhood Park Major Renovations	F Bond		-	-	300,000	-	-	-	300,000
~~PW~~	~~West Catawba Ave, Utility Burial- Phase IIC (Westmoreland to Hwy 73)~~	~~F Bond~~		~~-~~	~~-~~	~~-~~	~~6,964,470~~	~~6,964,470~~	~~-~~	~~13,928,940~~
PW	West Catawba Ave, Phase II- Bike/Ped, Aesthetics	F Bond		-	-	-	6,155,000	-	-	6,155,000
~~PW~~	~~West Catawba Ave, Utility Burial- Phase IIB (Nantz to Westmoreland)~~	~~F Bond~~		~~-~~	~~-~~	~~-~~	~~3,844,387~~	~~3,844,388~~	~~-~~	~~7,688,775~~
~~PW~~	~~West Catawba Ave, Utility Burial- Phase IIA (Jetton to Nantz)~~	~~F Bond~~		~~-~~	~~-~~	~~-~~	~~2,284,345~~	~~2,284,345~~	~~-~~	~~4,568,690~~
PW	West Catawba, Phase II-Local Match	F Bond		-	-	-	1,200,000	-	-	1,200,000
Fire	Replace Engine 4	Debt		-	-	-	700,000	-	-	700,000
PW	Hwy 21 Widening (A)- Bike/Ped Accommodations, Aesthetics	Fund Bal		-	-	-	-	3,741,818	-	3,741,818
Fire	Replace Truck 4	Debt		-	-	-	-	1,000,000	-	1,000,000
PARC	Synthetic Turf Multi-Purpose Field- Smithville Park	Debt		-	-	-	-	850,000	-	850,000
PARC	Torrence Chapel Park Major Renovations	Debt		-	-	-	-	650,000	-	650,000

2018-2022 Capital Improvement Plan Summary
March 8, 2017

DEPT	DESCRIPTION	Source	debt pmt	2018	2019	2020	2021	2022	Future	Total
PARC	Smithville Park Major Renovations	Debt		-	-	-	-	430,000	-	430,000
PARC	Westmoreland/McDowell Creek Neighborhood Park	Debt		-	-	-	-	-	3,400,000	3,400,000
PW	Hwy 115- North Corridor- Bike/Ped Accommodations, Aesthetics	Fund Bal		-	-	-	-	-	3,275,000	3,275,000
PARC	Village Center Neighborhood Park	Debt		-	-	-	-	-	3,200,000	3,200,000
Fire	Fire Station #3-Land and Potential Training Center	Debt		-	-	-	-	-	3,000,000	3,000,000
PARC	North Bailey Road Greenway	Debt		-	-	-	-	-	2,558,000	2,558,000
PARC	Waterfront Park	Debt		-	-	-	-	-	2,500,000	2,500,000
PARC	Victoria Bay Greenway	Debt		-	-	-	-	-	2,411,000	2,411,000
PARC	South Bailey Road Greenway Phase III	Debt		-	-	-	-	-	2,250,000	2,250,000
PARC	Old Cornelius to Statesville Road Greenway	Debt		-	-	-	-	-	2,035,000	2,035,000
PARC	Mini Park Land Acquisitions & Development	Debt		-	-	-	-	-	2,000,000	2,000,000
PARC	Caldwell Station Creek Greenway (South) Phase II	Debt		-	-	-	-	-	1,750,000	1,750,000
PARC	Westmoreland Park Greenway	Debt		-	-	-	-	-	1,210,000	1,210,000
PARC	Washam Neighborhood Park	Debt		-	-	-	-	-	1,000,000	1,000,000
PARC	North Bailey Road to Bailey Road Greenway	Debt		-	-	-	-	-	750,000	750,000
PW	I-77 Service Road to Westmoreland	Debt		-	-	-	-	-	736,250	736,250
PARC	Bailey Road Park Tennis/Pickleball Complex	Debt		-	-	-	-	-	555,000	555,000
PARC	Spray Park	Debt		-	-	-	-	-	500,000	500,000
PARC	Legion Park Major Renovations	Debt		-	-	-	-	-	450,000	450,000
PD	Police Substation	Fund Bal		-	-	-	-	-	300,000	300,000
PW	Stream Restoration Project- Upper McDowell Creek	Debt		-	-	-	-	-	176,000	176,000
			117,953	4,064,000	16,727,577	17,151,000	9,245,000	7,316,818	41,086,250	95,590,645

No Collateral Projects (must use fund balance or consider future bonds)
Potential Projects for Phase II bond issuance
***Committed Local Match

FY 2018-Future Capital Projects Detail

Project Title:	Program: :
Track Renovation and Synthetic Turf Football Field – Bailey Road Park	**PARC**

Description:

This project funds the renovation of the track and the installation of synthetic turf on the football field at Bailey Road Park. The track surface has begun to delaminate and large cracks are forming along the surface. The old running surface needs to be removed and the asphalt replaced.

Synthetic turf will accommodate up to three times more traffic than natural grass can tolerate and at minimal operating cost per hour of use. Installation of synthetic turf fields should reduce field maintenance costs by as much as $8,000 annually because they will no longer require mowing, fertilization, irrigation, field lining, weed control, etc. It will also provide essentially unlimited use as the fields will no longer require extended periods to rest for turf renovation.

Synthetic turf has virtually eliminated game delays and cancellations due to inclement weather at Bailey Road Park. This is an important factor tournament providers consider when evaluating locations. This addition will provide a third contiguous synthetic turf field at Bailey Road Park creating greater opportunities for large tournament events and possibly a fourth field if Hough High School is available.

Staff will work with athletic partner groups to determine their funding commitment with the addition of an artificial turf surface.

Total Project Cost:

$1,100,000

Estimated Impact on Operating Budget:

-$8,000 annual <u>reduction</u>

Main Goal:
Strengthen Citizen Engagement

Strategy: #23
Maintain and Improve Town Service

Guiding Principle: #4
Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,100,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design	$50,000						$50,000
Land							
Construction	$1,050,000						$1,050,000
Equipment							
TOTAL	$1,100,000						$1,100,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Bailey Road North Neighborhood Park	**PARC**

Description:	Total Project Cost:
Acquire land and construct a neighborhood park east of Hwy 115, north of Bailey Road and south of Antiquity, identified as project N4 in the 2015-2025 Parks and Greenways Master Plan. Land acquisition needs to occur while there are adequately sized land parcels still available. FY 18 – Land acquisition FY 23 – Construction This is one of only two large undeveloped areas left in Cornelius capable of accommodating a large sized neighborhood park. Future residential growth in this area will generate the need for active recreation features such as athletic fields and sport courts which were high priority needs identified in the 2015 Master Plan. The park would also include traditional park amenities such as a playground, picnic shelter and picnic sites, restroom, parking area, trails, etc.	**$3,800,000** Estimated Impact on Operating Budget: **$135,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,800,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$300,000	$300,000
Land	$1,000,000						$1,000,000
Construction						$2,500,000	$2,500,000
Equipment							
TOTAL	$1,000,000					$2,800,000	$3,800,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Southeast Cornelius Neighborhood Park	**PARC**

Description:	Total Project Cost:
Acquire land and construct a neighborhood park east of Hwy 115 in the southeastern quadrant of Cornelius. Identified as project N5 in the 2015-2025 Parks and Greenways Comprehensive Master Plan. Land acquisition needs to occur while there are adequately sized land parcels still available. FY 18 – Land acquisition FY 23 – Construction Future residential growth will generate the need for active recreation features such as athletic fields and sport courts which were high priority needs identified in the Master Plan. The proposed park would also include traditional park amenities such as a playground, picnic shelter and picnic sites, restroom, parking area, trails, etc.	**$3,800,000** Estimated Impact on Operating Budget: **$135,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,800,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$300,000	$300,000
Land	$1,000,000						$1,000,000
Construction						$2,500,000	$2,500,000
Equipment							
TOTAL	$1,000,000					$2,800,000	$3,800,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Engine #3 Replacement	**Fire**

Description:	Total Project Cost:
Replace Engine 3, a 1995 model, which was overdue for replacement under NFPA 1901 standards but underwent extensive upgrades in 2008 which allowed us to use this truck for an additional 7 years. The VFD also performed engine repairs that extended the life for an expected additional 5 years. NFPA 1901 states the engine could be used in the reserve status for up to a total life of 25 years depending on the condition and maintenance of the vehicle.	**$675,000** Estimated Impact on Operating Budget: No Impact.
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle:#4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$675,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$675,000						$675,000
TOTAL	$675,000						$675,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Smithville Park to JV Washam ES Greenway (GW4)	**PARC**

Description:

This project funds land acquisition and development of a greenway trail from Westmoreland Road near JV Washam ES to Catawba Avenue at Smithville Park. The trail is part of the approved Town of Cornelius Parks and Greenways Comprehensive Master Plan (GW4), Pedestrian Plan and Carolina Thread Trail Master Plan.

The new trail will consist of a nearly 1.6-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. The Town currently owns or will own approximately 0.7 miles of the necessary alignment. The remaining 0.9-mile alignment is privately owned and spread across nine to eleven privately-owned parcels depending on final alignment.

$1.4M was appropriated for the project through a NCDOT STBGDA matching grant. The grant becomes available in October 2017 and includes funds for right-of-way acquisition and construction. The 2013 Park Bonds included $1,000,000 for this project. Those funds are scheduled to be available after the FY19 bond sale leaving a balance needed of $860,000.

Total Project Cost:

$ 1,860,000

Estimated Impact on Operating Budget:
$16,000

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #16
Improve Bike Lanes and Greenway Trail Connections

Guiding Principle: #2
Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$1,400,000
Total Expenditures	$0
Project Balance	$1,860,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design	$340,000						$340,000
Land	$220,000						$220,000
Construction		$1,300,000					$1,300,000
Equipment							
TOTAL	$560,000	$1,300,000					$1,860,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Bailey Road Extension	**Public Works**

Description:

One of the high priority and high cost/benefit ratio projects from the potential Transportation Bond Projects is Bailey Road Extension. Bailey Road Extension also provides an economic development benefit. Bailey Road Extension is a new alignment with termini at the sharp curve in Bailey Road and Highway 21. The length is approximately 1/3 mile, but some realignment of Bailey Road may also be necessary.

In FY17, Kimley-Horn began conceptual design, and is continuing to work on that phase to determine a preferred alignment, etc. The current project estimate is $5,749,000 (Design/engineering fees of $400,000, Construction Administration fees of $200,000, KHA construction cost estimate of $3.264M, Town estimated ROW/easement cost of $1,685,000, and Town estimated utility cost of $200,000.)

Upon completion of conceptual design, the Town will need to retain an engineer to develop the construction drawings. This is projected to occur in FY18. ROW acquisition, utility coordination, and construction will follow.

It is projected that ROW, utilities, and construction will be funded with Phase II Road Bonds (2013 approved bonds). These phases would likely commence in FY19, with the total project taking 18 – 24 months to complete.

Total Project Cost:

$5,798,000

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #6
Prioritize new roads and widen roads.

Guiding Principle: #6.4
Prioritize road improvements based on our development needs.

Project Status as of December 31, 2016	
Total Appropriations	$6,198,000
Total Expenditures	$400,000
Project Balance	$5,798,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land		$1,685,000					$1,685,000
Construction		$4,113,000					$4,113,000
Equipment							
TOTAL		$5,798,000					$5,798,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Diverging Diamond Aesthetic Improvements	**Public Works**

Description:

Phase I of the DDI Aesthetics are complete. This includes all the Catawba Ave. level improvements, such as landscaping, mast and cable, pedestrian elements, and utility burial.

The Town Board has determined that Phase II aesthetics will not include the masonry abutments (due to cost and design concerns), and wants to go in the direction of a landscape-intensive design, in addition to making the existing mast & cable elements more visible.

In late 2016, the Town retained Viz, LLC to work on the landscaping design. The contract for these services is $38,880; however, additional engineering services should be planned for (e.g., significant structural engineering). Viz is working with NCDOT on preliminary scoping and will work with the Town and a stakeholder committee to develop a preferred design. It is anticipated that construction could begin as early as Summer 2017, when the I-77 Managed Lanes project is substantially complete in the area of Exit 28; however, the design process may not finish until after Summer 2017. The earliest construction is likely to begin is Fall 2017. Town staff is estimating that construction may cost $851,120.

Upon selection of a landscaping design, the Town should turn its attention to the existing mast & cables to determine if the previous plans of extending the masts' height and increasing the visibility of the masts & cables (by painting them white) will be compatible with the landscaping design and will fit within the overall project budget. If the Town moves forward with improving the mast & cables, it will need to engage a structural engineer and perhaps other professionals to complete the design work and work with NCDOT. The cost to perform this design and work is unknown, however staff is estimating that this will cost $500,000 ($100K for design, $400K for construction), and is projected to occur in FY19.

The Town Board has determined that the total project budget for all of the aforementioned improvements is not to exceed $1.39M. [Note: The Town's DDI Capital Reserve Fund balance (as of January 2016) was $1,790,000.]

Total Project Cost:

$1,390,000

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #17.1
Improve Access to Interstate 77

Guiding Principle: #1
Complete Diverging Diamond Interchange Implementation, including Aesthetic Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,390,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design	$38,880	$100,000					$138,000
Land							
Construction	$351,120	$900,000					$1,251,120
Equipment							
TOTAL	$390,000	$1,000,000					$1,390,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Sidewalks with Bike Cornelius Signage Route #1	**Public Works**

Description:	Total Project Cost:
Use Powell Bill funds to install new sidewalks throughout town. The priority for the sidewalks will be connectivity in order to improve the town's walkability. Sidewalks will also be prioritized based upon the Comprehensive Pedestrian Plan that was completed June of 2012. The Town will continue to increase annual sidewalk maintenance. Sidewalk trip hazards are becoming more and more common as street trees mature and sidewalks get older. The Town began using a concrete cutting consultant in FY 14 that removes trip hazards at a better rate than complete demolition and re-pour. The Town will continue to investigate options to mitigate trip hazards on sidewalks. FY18 includes funding for Bike Cornelius Signage Route #1. This route is ~ 4 miles and runs from the YMCA to Oakhurst. The improvements to the affected streets would include (as appropriate) sharrow markings, roadside signage for navigation, minor traffic calming, and intersection safety improvements if necessary.	**$900,000** Estimated Impact on Operating Budget: Main Goal: Improve Mobility and Increase Transportation Options Strategy: #15 Connect Local Sidewalks Guiding Principle: #1 Implement approved Pedestrian Plan recommendations that will include a prioritization of sidewalk improvements & connections

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$900,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design	$20,000		$20,000		$20,000		$60,000
Land							
Construction	$280,000		$280,000		$280,000		$840,000
Equipment							
TOTAL	$300,000		$300,000		$300,000		$900,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Northcross Dr. Extension	**Public Works**

Description:

Extends Northcross Dr. from the existing terminus at the Stratford Forest subdivision to Eagle Ridge Way Ln. (at Westmoreland Rd.); creates a north-south connector and encourages economic development of vacant land adjacent to I-77.----The total project is currently estimated by NCDOT to be $10,231,577; as the project progresses and new information is determined (such as the type of environmental process is finalized) and engineering is completed, this estimate could change. There are $2,000,000 of Bonus Allocation Funds for this project. The Town has also received an NCDOT STP-DA grant award of $5,720,000; there is a current Town match estimation and contribution on top of the grant funds of $2,511,577.

Preliminary planning work has been done to vet out the 4(f) process; the results indicate that there won't be any issues that will halt the project from a 4(f) standpoint relative to the FHWA and NCDOT. The Town and NCDOT have started working on a Municipal Agreement to formally begin the project, and to develop the Town's reimbursement schedule.----The road alignment goes through property owned by Mecklenburg County, private entities, and NCDOT; currently, the needed right-of-way is not within the Town jurisdiction (although it is in our ETJ). NC General Statutes prevent the Town from constructing a road outside of its municipal boundaries, although it does allow for right-of-way acquisition for the purpose of road construction, and allow it to contribute funds to a public road that will benefit its citizens. Town staff and NCDOT have agreed to the following working terms: NCDOT will manage the project, and the road will be turned over to the Town upon annexation of adjacent property.

At the end of 2016, NCDOT retained Kimley-Horn to perform the planning/design. The Town will need to execute a Municipal Agreement with NCDOT. It is anticipated that engineering will occur in FY17/18, followed by ROW acquisition/utilities/construction in FY19/20. The total project timeframe is estimated between 2 to 4 years (Environmental Documentation is between 9 months and 2 years; Construction is between 12 and 18 months). As with the cost estimate, as more work is completed, a more accurate timeframe can be estimated.----It is estimated that NCDOT will invoice the Town incrementally for its share of the project costs as phases occur.

<u>The Town is committed to these funds.</u>

Total Project Cost:

$2,511,577

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #12
Prioritize New Roads and Widen Roads

Guiding Principle: #4
Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,511,577

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design	$100,000						$100,000
Land	$189,000	$200,000					$389,000
Construction		$2,022,577					$2,022,577
Equipment							
TOTAL	$289,000	$2,222,577					$2,511,577

FY 2018-Future Capital Projects Detail

Project Title	Program:
Hwy. 21/Catawba Ave. Intersection Improvements:	**Public Works**

Description:

The DDI has improved the efficiency of the interchange, in addition to marginal improvements to the bookend intersections (West Catawba Ave./Torrence Chapel Rd. and Hwy. 21/Catawba Ave.). Until these intersections are fully improved, congestion will continue to be a major issue for the Catawba corridor and the north-south roads that tie into these two intersections.

The Town worked with Parsons-Brinckerhoff and NCDOT to validate and design the modified 2-lane roundabout design. The total project has been estimated at $9,208,000. Per the Municipal Agreement with NCDOT, CMAQ grant funds of $2,006,000 plus $502,000 of Town Match Funds will be applied to the project in addition to subsequently applying $6.7 million of Bonus Allocation Funds.

NCDOT commenced design in January 2016. Right of way acquisition is scheduled to begin FFY18, and construction to begin in FFY19.

The Town has already paid $50,000 to NCDOT for its share of engineering costs. NCDOT will invoice the Town for its share of the Right of Way costs prior to commencing acquisition. NCDOT will invoice the Town for its share of the Construction costs prior to commencing construction.

NCDOT is to share anticipated ROW and Construction costs with the Town, and the Town is to provide written authorization for moving forward with those phases if the total project costs are projected to exceed $9,208,000.

The Town is committed to these funds.

Total Project Cost:

$502,000

Estimated Impact on Operating Budget:

Main Goal
Improve Mobility and Increase Transportation Options

Strategy : #14
Implement an improvement plan for the US 21 and Catawba Ave. intersection

Guiding Principle: #2
Develop an Improvement Plan for the US 21 & Catawba Avenue Intersection

Project Status as of December 31, 2016	
Total Appropriations	$502,000
Total Expenditures	$50,000
Project Balance	$452,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land	$250,000						$250,000
Construction		$202,000					$202,000
Equipment							
TOTAL	$250,000	$202,000					$452,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Vehicle Replacement Program	**Police**

Description:	Total Project Cost:
We replace police cars at 100,000 miles on average. Police cars idle excessively due to the equipment on board including cameras, radios, blue lights, etc. Manufacturers have established that each idle hour is equivalent to 33 miles driven. Previous studies have indicated 80K is the most cost effective replacement target, but our maintenance routine has made 100K miles a good target. We extend this number if we have a major repair such as an engine or transmission prior to 100K. For FY18 we will have five (5) cars mileage out.	**$1,200,000** Estimated Impact on Operating Budget:
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Service
	Guiding Principle:

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,200,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$230,000	$235,000	$240,000	$245,000	$250,000		$1,200,000
TOTAL	$230,000	$235,000	$240,000	$245,000	$250,000		$1,200,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Facility Renovation and Expansion	**PARC**

Description:

This project funds renovation/improvement projects recommended in the 2005-2015 Parks and Recreation Comprehensive Master Plan, the 2012 Town Comprehensive Master Plan and the 2015-2025 Comprehensive Parks and Greenways Master Plan for the Town of Cornelius. The plans identify the need to make capital improvements to existing parks with varying scopes that are beyond normal maintenance and renovation. Projects would be designed to address health and safety concerns in parks and to reduce operational costs.

Projects include court resurfacing, spectator seating, community gardens, playground replacements, landscape improvements, entrance signs, etc.

Total Project Cost:

$868,500

Estimated Impact on Operating Budget:

Deduct $1,000

Main Goal:
Strengthen Citizen Engagement

Strategy: #23
Maintain and Improve Town Service

Guiding Principle: #4
Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$868,500

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction	$128,500	$87,000	$70,000	$146,000	$212,000	$225,000	$868,500
Equipment							
TOTAL	$128,500	$87,000	$70,000	$146,000	$212,000	$225,000	$868,500

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Public Works Equipment	**Public Works**

Description:	Total Project Cost:
FY18: • Replace the 2005 GMC 4500 currently has 132,500 miles - $75,000. **FY19:** • Purchase a new Mini-Excavator to replace the 1990 backhoe. - $50,000. **FY20 & FY21:** • Currently leaf vacuums are 1997 & 1998 models. They would cost $50,000 each to replace.	**$225,000** Estimated Impact on Operating Budget: Main Goal: Strategy: Guiding Principle:

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$225,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$75,000	$50,000	$50,000	$50,000			$225,000
TOTAL	$75,000	$50,000	$50,000	$50,000			$225,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Video Surveillance Program	**Police**

Description:	Total Project Cost:
The surveillance camera system is largely complete except for some changes we will make this year in camera positions and the addition of some LPR cameras to improve our ability to find criminals after a crime has been committed. The bulk of this year's funding will go toward replacing older cameras and to change some to improve night visibility by reducing glare. This is a typical maintenance year for the system that includes the maintenance on our WIFI infrastructure for the cameras.	**$250,000** Estimated Impact on Operating Budget: $65,000 per year Maintenance
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$250,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$50,000	$50,000	$50,000	$50,000	$50,000		$250,000
TOTAL	$50,000	$50,000	$50,000	$50,000	$50,000		$250,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Computer Replacement Program	**Information Technology**

Description:	Total Project Cost:
Replace 1/3rd of the Town's Personal Computers annually and 1/4th of Police Department Patrol Laptops. Industry standard for Personal Computers is a three-year replacement cycle. Patrol laptops are ruggedized and should be replaced every four years. Replacing computers throughout town will reduce staff time spent on repairing antiquated equipment and increase the efficiency of users. Last year we replaced 35 Town PC's and 6 patrol laptops, this year we plan to replace 25 Town PC's and 7 patrol laptops.	**$45,000** Estimated Impact on Operating Budget: **$45,000**
	Main Goal: To improve the efficiency of computer operations and ensure that computers keep up with the demands of software.
	Strategy:
	Guiding Principle:

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$225,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2021	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$45,000	$45,000	$45,000	$45,000	$45,000		$225,000
TOTAL	$45,000	$45,000	$45,000	$45,000	$45,000		$225,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Field Grooming Equipment and Utility Vehicle	**PARC**

Description:	Total Project Cost:
This project funds the purchase of a natural athletic field turf slicer, a replacement utility vehicle (Gator), two tow-behind field groomers and a synthetic turf cleaner. The equipment is needed to serve existing and new facilities that have come online recently. The funds will be used to replace a 14 year old Gator that is worn out. Recent facility construction increased the number of athletic fields by over 40%, court facilities by over 25%, and restroom facilities increased by 40%. Additionally general park usage and program participation are on the increase. This has resulted in significantly more work for the maintenance crew to maintain a standard level of service as well as to repair and replace park amenities. This equipment will increase efficiency and improve field quality and playability.	**$40,000** Estimated Impact on Operating Budget: $300
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: Prioritize capital improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$40,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$40,000						$40,000
TOTAL	$40,000						$40,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Stream Restoration Project: Willow Pond + Upstream and Downstream, Coachmans Wood	**Public Works**

Description:

The McDowell Creek watershed is significant in contributing to the drinking water supply for the majority of Mecklenburg County. The headwaters of McDowell Creek exist in Cornelius and are severely impaired. In 2010, the Town partnered with Mecklenburg County in obtaining a 319 Water Quality Grant (Federal Funds) and rehabilitating approx. 1600' of Upper McDowell Creek. The project was successful and residents were excited and pleased with the project. In addition to the water quality benefits, the Town has the ability in the future to construct a greenway along the improved stream.

The Willow Pond Stream Restoration Project and the Coachmans Wood Stream Restoration Project are also in the McDowell Creek watershed and are eligible for NCDWR and NC319 grant funding (Note: NC319 has stated that it would not fund the removal of the private Willow Pond dam.)

The Town has a planned greenway that parallels these stream sections (greenway connecting Smithville Park to JV Washam Elementary). The greenway project will realize an approximate 10% cost savings (grading & mobilization) by constructing the greenway and stream restoration as a joint project.

- The Willow Pond restoration project removes the Willow Pond dam and restores the stream underneath the pond*, restores portions of the reaches upstream and downstream of the current pond. Total restoration of approx. 2700'.
- The Coachmans Wood restoration project restores approximately 900'.
- Meck. Co. will likely perform major stream restoration of McDowell Creek downstream of this project.
- Total project cost (including post construction) of $900,000. Grant funds available estimated at approximately $300,000; therefore, Town is responsible for matching funds of approximately $600,000.
- This CIP item assumes all land (easements, right of way) will be dedicated at no cost.
- Mitigate flood issues and concerns
- Removes pond liability issues
- Water quality improvements
- Future Greenway enhancements

FY17
- July 2017 – Submit DWR Grant Application
- April/May 2017 – Submit 319 Grant Application

FY18
- Nov. 2017 – Town receives grant award notification
- Jan. 2018 – Commence the 18-month process of design/ engineering/ permitting/ acquisition

FY19
- June 2019 – Complete design/ engineering/ permitting/ acquisition

FY20/21
- July –December 2019 - Bid and commence construction (~6-month process to begin construction)
- January 2020 – December 2020 - Construction will then take 9-12 months.

FY21
- Post construction maintenance

*Grant funding is not available for rebuilding existing ponds. The pond could be rebuilt (dam reconstruction, embankment restoration) for approx. $250,000; however, there will be ongoing maintenance costs. Also, the Town has a time-sensitive land transfer agreement with Willow Pond HOA with the concept of performing the stream restoration (agreement expires 11/1/20; Town will not accept the pond until it has awarded a restoration construction contract).

Total Project Cost:

$600,000

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizen Engagement

Strategy: #23
Maintain and Improve Town Services

Guiding Principle: #4
Prioritize capital improvements

Project Status as of December 31, 2016	
Total Appropriations	$0

Request Type	
	New

Total Expenditures	$0
Project Balance	$600,000

X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design	$30,000	$60,000					$90,000
Land							
Construction			$510,000				$510,000
Equipment							
TOTAL	$30,000	$60,000	$510,000				$600,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Planning Truck	**Planning**

Description:	Total Project Cost:
Replace 1998 hand me down truck from Public Works. Approximately 116,000 miles with increasing maintenance costs for the last several years. The truck expired in July 2016 and has already been surplused.	**$30,000**
	Estimated Impact on Operating Budget:
	Main Goal:
	Strategy:
	Guiding Principle:

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$30,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment	$30,000						$30,000
TOTAL	$30,000						$30,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Community/Art Center	**PARC**

Description:

This project provides a portion of the construction funds for the Community/Art Center in accordance with the Strategic Working Group recommendations from October 2016. The project was also specifically identified as a priority in the Town's adopted Comprehensive Master Plan and identified as project S1 in the 2015-2025 Parks and Greenways Comprehensive Master Plan.

The new facility would function as a community and arts center providing programming space for visual arts gallery, studio and classroom space, performance space, etc.

Cornelius voters approved in a 2013 Bond Referendum $4M for Town Center Redevelopment that is planned to be used on a new Community/Art Center. In FY2016, the Town Board formed a Strategic Working Group which developed a recommendation for the size of the facility and services to be offered. Additional funds would be raised by the 501c3 not for profit organization newly formed through the Strategic Working Group recommendations.

Total Project Cost:

$4,000,000

Estimated Impact on Operating Budget:

$550,000

Main Goal:
Develop Key Community Shopping/Activity Centers and Key Development Nodes

Strategy: #10 & #23
Cultural Arts Center & Strengthen Citizen Engagement

Guiding Principles: #1, 2 & 4
#1 Determine the community's opinion for a Cultural Arts Center/Community Center
#2 Implement identified local arts goals while acknowledging the Arts & Science Council Cultural Arts
#4 Plan Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$4,000,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design		$500,000					$500,000
Land							
Construction		$3,300,000					$3,300,000
Equipment		$200,000					$200,000
TOTAL		$4,000,000					$4,000,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Road Resurfacing	**Public Works**

Description:	Total Project Cost:
Use Powell Bill funds to resurface approximately 4 miles of Town maintained roads. The Town last repaved roads in FY 17. This is an ongoing resurfacing program that will continue to improve town roads and infrastructure. In FY19, the Town will update the Pavement Management Survey (commonly called the ITRE study) to help prioritize and rank the conditions of all the Town maintained streets.	**$1,600,000** Estimated Impact on Operating Budget:
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Prioritize New Roads and Widen Roads
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,600,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design		$35,000		$15,000			$50,000
Land							
Construction		$765,000		$785,000			$1,550,000
Equipment							
TOTAL		$800,000		$800,000			$1,600,000

FY 2018-Future Capital Projects Detail

Project Title	Program:
Torrence Chapel Rd./West Catawba Ave. Intersection Improvements – Local Match	**Public Works**

Description:

The DDI improved the efficiency of the interchange, in addition to marginal improvements to the bookend intersections (West Catawba Ave./Torrence Chapel Rd. and Hwy. 21/Catawba Ave.). Until these intersections are fully improved, congestion will continue to be a major issue for the Catawba corridor and the north-south roads that tie into these two intersections.

There are $5,000,000 of Bonus Allocation Funds available for this project. The Town received a UPWP grant to study intersection improvements and recommend a design. This study is underway and is estimated to be complete in Spring/Summer 2016.

The study will provide a final cost estimate for the proposed roadway improvements. Preliminary construction cost estimates exceed $5,000,000. The current preliminary cost estimate for the roadway portion of the Preferred Alternative is $5,700,000. If funding from other sources are not available, the Town should plan for the contingency of providing its own funds. Also note that the actual right of way costs may exceed the estimates.

Following is a breakdown of the cost estimate:

$5,100,000 – Preferred Alternative NOT including improvements to Knox Rd. between the Knox and West Catawba intersections.

$600,000 – Cost estimate to perform reclamation of Knox Rd. only, leaving the existing cross-section in place, and not improving upon the cross-section. For the purposes of this CIP item, it is assumed that NCDOT will require reclamation subsequent to analyzing core samples of the existing Knox Rd. $600K can be removed from this CIP item if NCDOT is satisfied with the analysis. The analysis won't occur until FY18 at the earliest.

Planning/design is estimated to occur in FY18, with right of way acquisition/utilities/construction commencing in FY19/20.

If the Town has to contribute funds toward the project, it is anticipated that payment to NCDOT would occur as early as FY19 to go toward the cost of construction.

During the FY18 budget process, the Town will need to determine if it wants to move forward with the project and what the project shall include, such as bike/ped accommodations and aesthetics (as detailed in a separate CIP item).

Total Project Cost:

$700,000

Estimated Impact on Operating Budget:

Main Goal
Improve Mobility and Increase Transportation Options

Strategy: #14
Innovative Intersection Improvements

Guiding Principle: #1
Develop an improvement plan for Torrence Chapel Road and West Catawba Avenue intersection

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$700,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design		$700,000					$700,000
Land							
Construction							
Equipment							
TOTAL		$700,000					$700,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Robbins Park	**PARC**

Description:	Total Project Cost:
The original elements planned for Robbins Park included a +/- 50-acre nature preserve, six athletic fields, two playgrounds, six picnic shelters, trails, two tennis courts, disc golf, open play meadows, parking and restrooms. The first two phases of the park are complete and includes one playground, two tennis courts, one picnic shelter/restroom, landscaping, one multipurpose athletic field renovation of the two ponds, paved trails, a sand volleyball court, gaga pit and disc golf course. Due to changing sentiment among citizens to protect open space based on input received for the 2015 Parks and Greenways Comprehensive Master Plan and Robbins Park's unique environment, Phases III and IV may have more informal passive space. A new master plan will need to be developed prior to Phase III development. FY 19 - Revise master plan ($10,000) and develop Phase III construction documents $200,000 FY 20 Phase III construction $2,300,000 Future - Phase IV design and construction $2,300,000	**$4,810,000** Estimated Impact on Operating Budget: **$150,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$4,810,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design		$210,000				$200,000	$410,000
Land							
Construction			$2,300,000			$2,100,000	$4,400,000
Equipment							
Total		$210,000	$2,300,000			$2,300,000	$4,810,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Fire Chief's Vehicle Replacement	**Fire**

Description:	Total Project Cost:
Replace Chief's Vehicle, a 2004 Dodge Durango, with 78,000 miles. Currently this vehicle is burning oil and the transmission is slipping. During rain storms all four doors are retaining water. Due to the wear and strain during emergency responses, this vehicle is in need of replacing. This car would be placed in reserve for a minimum amount of time as a training vehicle. The price would include the base purchase of the vehicle (Chevrolet Tahoe, F250, Ford Expedition) with allotment for red paint, light package, siren package, command board, air pack bracket, radio upfit, rear compartment storage, and all graphics.	**$55,000** Estimated Impact on Operating Budget:
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize capital improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$55,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment		$55,000					$55,000
TOTAL		$55,000					$55,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Hwy. 21 Roundabout – Bike/Ped Accommodations, Aesthetics/Utility Burial	**Public Works**

Description:

The intersection of Hwy. 21 / Catawba Ave. will be improved with a modified 2-lane roundabout. There is an opportunity to aesthetically enhance the roundabout.

The Town has instructed NCDOT and RS&H to design the roundabout with water supply and electricity going to the center of the roundabout, in addition to constructing drains and allowing for a foundation in the center. This will allow for flexibility in designing an aesthetic element. The Town should consider the comprehensive design of the entire vicinity, rather than the stand-alone design. The most optimum time to design is during the NCDOT design (commenced January 2016); however, the design can occur at a later time.

The cost will depend on the design. The Town Board has been comfortable with a $250,000 cost.

The Town will also be paying the betterment cost for utility burial. The utility burial will occur in conjunction with the roadway construction commencing in FY19. The Town's preliminary estimate for this project is $500,000, extrapolated from actual costs for utility burial associated with the DDI. Length of burial is approximately 0.15 miles. [The Town has received a cost estimate of $33,000 from Electricities for their portion of the burial. The Town is awaiting a cost estimate from AT&T in addition to confirmation from NCDOT of the total cost estimate.]

The Town will be responsible for betterment costs associated with bike/ped accommodations. It is estimated that these costs will be $1,500,000. (It is estimated that there are .60 linear miles of bike/ped accommodations at $2.5M per mile. Included in that unit cost are Multi-purpose paths for the majority of the lengths along both sides of the roads & around the roundabout, replacement of the existing brick paver sidewalks & granite curbing, and bike lanes. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if all the costs of bike lanes (e.g., 5' vs. 4' bike lanes) and sidewalks on both sides of a road will be covered by NCDOT.)

25% plans are almost complete (as of January 2017). <u>The Town will need to determine as part of the FY18 Budget Process if it will fund utility burial, the multi-purpose paths, bike lanes, decorative street lights, and decorative poles.</u>

Total Project Cost:

$2,250,000

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #8
Exit 28 Small Area Plan

Guiding Principle:
Develop an Improvement Plan for the US 21 & Catawba Intersection

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,250,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$50,000				$50,000
Land							
Construction			$2,200,000				$2,200,000
Equipment							
TOTAL			$2,250,000				$2,250,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Northcross Dr. Extension – Bike/Ped Accommodations	**Public Works**

Description:	Total Project Cost:
This roadway project extends Northcross Dr. from the existing terminus at the Stratford Forest subdivision to Eagle Ridge Way Ln. (at Westmoreland Rd.); creates a north-south connector and encourages economic development of vacant land adjacent to I-77. The Town will be responsible for betterment costs associated with bike/ped accommodations. It is estimated that these costs will be $2,250,000. (It is estimated that there are 1.50 linear miles of bike/ped accommodations at $1.5M per mile. Included in that unit cost is a sidewalk on one side of the road, and bike lanes. There isn't a need for a multi-purpose path due the existing McDowell Creek Grwy. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if costs of bike lanes and sidewalks on both sides of a road will be covered by NCDOT.) At the end of 2016, NCDOT retained Kimley-Horn to perform the roadway planning/design. The Town will need to execute a Municipal Agreement with NCDOT. It is anticipated that engineering will occur in FY17/18, followed by ROW acquisition/utilities/construction in FY19/20. The total project timeframe is estimated between 2 to 4 years (Environmental Documentation is between 9 months and 2 years; Construction is between 12 and 18 months). 25% plans will be completed approximately Summer/Fall 2017. <u>Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund the sidewalk and bike lanes.</u>	**$2,250,000** Estimated Impact on Operating Budget:
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #12 Prioritize New Roads and Widen Roads
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,250,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction			$2,250,000				$2,250,000
Equipment							
TOTAL			$2,250,000				$2,250,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Bailey Road Park Expansion	**PARC**

Description:	Total Project Cost:
Lease the Mecklenburg County-owned 10-acre tract adjacent to Bailey Middle School and develop additional recreation facilities as an extension of Bailey Road Park. Future residential growth will generate the need for additional active recreation features such as athletic fields and sport courts which were identified as high priority needs in the 2015 Master Plan. The park expansion would include traditional park amenities such as a restroom, parking area, trails, etc.	**$2,000,000** Estimated Impact on Operating Budget: **$135,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,000,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$200,000				$200,000
Land							
Construction			$1,800,000				$1,800,000
Equipment							
TOTAL			$2,000,000				$2,000,000

FY 2018-Future Capital Projects Detail

Project Title	Program:
Torrence Chapel Rd./West Catawba Ave. Intersection Improvements- Bike/Pedestrian Accommodations, Aesthetics	**Public Works**

Description:

The DDI improved the efficiency of the interchange, in addition to marginal improvements to the bookend intersections (West Catawba Ave./Torrence Chapel Rd. and Hwy. 21/Catawba Ave.). Until these intersections are fully improved, congestion will continue to be a major issue for the Catawba corridor and the north-south roads that tie into these two intersections.

There are some funds available for the roadway project to improve this intersection. Should the Town desire, it may aesthetically enhance and improve the bike/ped accommodations for this project. The Town will be responsible for betterment costs associated with bike/ped accommodations in addition to aesthetics.

Note that it is undetermined at this time whether new mast arms will be required for the redesigned intersections. If so, the Town will be responsible for the cost of these.

The planning study for this project has provided a preliminary cost estimate for improving the cross-section of Knox Rd. (between the Catawba and Knox intersections). The estimate is $3,600,000 for implementing the following: reclamation of Knox Rd., two 11' travel lanes, two 5' bike lanes, two 2.5' c/g, two 6' planting strips, two 5' sidewalks.

Assuming three roundabouts are constructed as part of this project, the Town can elect to aesthetically enhance them. It is estimated that this may cost $100,000 per roundabout, for a total of $300,000.

It is estimated that the costs for bike/ped accommodations for the remainder of the project will be $1,045,000. (It is estimated that there are .67 linear miles of bike/ped accommodations along Torrence Chapel Rd./Liverpool Pkwy. (a multi-purpose path along one side, a sidewalk along the other side, and bike lanes) at $1.5M per mile, plus .08 miles of multi-purpose path to be constructed along the southern side of West Catawba Ave. between Liverpool Pkwy. and the DDI at $0.5M per mile. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if costs of bike lanes and sidewalks on both sides of a road will be covered by NCDOT.)

Planning/design for the roadway project is estimated to occur in FY18, with right of way acquisition/utilities/construction commencing in FY19/20.

If the Town has to contribute funds toward the project, it is anticipated that payment to NCDOT would occur as early as FY19 to go toward the cost of construction.

25% plans will be completed as early as Fall 2017. <u>Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund the multi-purpose paths, sidewalks, bike lanes, decorative street lights, decorative poles, landscaping, and aesthetic improvements to three roundabouts.</u>

Total Project Cost:

$4,945,000

Estimated Impact on Operating Budget:

Main Goal
Improve Mobility and Increase Transportation Options

Strategy: #14
Innovative Intersection Improvements

Guiding Principle: #1
Develop an improvement plan for Torrence Chapel Road and West Catawba Avenue intersection

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$4,945,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction			$1,345,000			$3,600,000	$4,945,000
Equipment							
TOTAL			$1,345,000			$3,600,000	$4,945,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Live Work Unit Streetscape	**Public Works**

Description:

The Town was awarded $94,340 from the NC Dept. of Commerce to complete design for the festival street concept. The Town contracted with Alta Planning and Design to do this design work. Alta should be complete with this work by the end of FY 17.

The term "festival street" is used to describe a concept where a streetscape is designed in a manner that it can be utilized as public space for festivals and events. The street and public sidewalk space are designed at one level (no curbing) separated by bollards, whereas the bollards can be removed during festival events to utilize the entire space.

The construction of this project many be completed with street bonds or downtown revitalization bonds and likely in conjunction with the development of the Art Center.

Total Project Cost:

$1,000,000

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #15
Connect Local Sidewalks

Guiding Principle: #1
Implement approved Pedestrian Plan recommendations that will include a prioritization of sidewalk improvements & connections.

Project Status as of December 31, 2016	
Total Appropriations	$
Total Expenditures	$
Project Balance	$1,000,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2021	Future	Total
Expenses							
Plan/design							
Land							
Construction			$1,000,000				$1,000,000
Equipment							
TOTAL			$1,000,000				$1,000,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Hwy. 115/Potts St./Davidson St. Intersection Improvement Project – Aesthetic Improvements	**Public Works**

Description:

There is Bonus Allocation funding in place for the roadway intersection improvement project at Hwy. 115/Potts/Davidson intersections. NCDOT has retained Kimley-Horn to complete the roadway design.

The project is likely to begin right of way acquisition in FY18, followed by utilities/construction in FY19.

The Town will have the opportunity to aesthetically enhance this project. For example, if a roundabout is constructed, the center of the roundabout could be enhanced with gateway improvements. It is estimated that these costs are approximately $250,000.

Other aesthetic improvements, including elements such as black sign posts, decorative street lights, landscaping, etc. can be included. Extrapolating from costs for similar items along West Catawba, Phase I, this cost is estimated to be $200,000 for this 0.25 mile project.

The Town will be responsible for betterment costs associated with bike/ped accommodations. It is estimated that these costs will be $500,000. (It is estimated that there are 0.25 linear miles of bike/ped accommodations at $2.0M per mile. Included in that unit cost is a multi-purpose path on one side of the roads, a sidewalk along the other sides, and bike lanes. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if costs of bike lanes and sidewalks on both sides of a road will be covered by NCDOT.)

[Utility burial along Hwy. 115 is currently being completed by a multi-year Electricities project.]

25% plans will be completed approximately Summer 2017. Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund the multi-purpose paths, sidewalks, bike lanes, decorative street lights, decorative poles, landscaping, and the gateway aesthetic element.

Total Project Cost:

$950,000

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: 12
Prioritize New Roads and Widen Roads
Strategy: 16
Improve Bike lanes and Greenway Trail Connections
Strategy: 24
Town Beautification

Guiding Principle:
Prioritize Road Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$950,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$50,000				$50,000
Land							
Construction			$900,000				$900,000
Equipment							
TOTAL			$950,000				$950,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Bailey Road Park Major Renovations	**PARC**

Description:

This project provides funding for five large-scale renovation projects at Bailey Road Park. These include:

FY 20 - ADA access improvements to the soccer and baseball fields $310,000;

FY 20 - Replacing baseball and tennis court lights and adding lights to the basketball courts $525,000;

Future - Repairing parking lot cracks, top coat and restripe $300,000;

Future - Updating the soccer field playground, installing synthetic safety surfacing, fencing, shade, a small picnic shelter and expanding storage at the restroom building $400,000;

Future - Construct restrooms and grandstands at football field $430,000.

Total Project Cost:

$1,965,000

Estimated Impact on Operating Budget:

$6,200

Main Goal:
Strengthen Citizen Engagement

Strategy: #23
Maintain and Improve Town Services

Guiding Principle: #4
Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,965,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$85,000			$70,000	$155,000
Land							
Construction			$750,000			$1,060,000	$1,810,000
Equipment							
TOTAL			$835,000			$1,130,000	$1,965,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Stratford Forest Greenway (GW14)	**PARC**

Description:	Total Project Cost:
This project funds land acquisition and development of greenway connecting McDowell Creek Greenway Phase I to the Stratford Forest community off Northcross Drive. The trail will consist of a nearly 0.4-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. The trail is part of the approved Town of Cornelius Parks and Greenways Comprehensive Master Plan (GW14) and Pedestrian Plan.	**$ 690,000** Estimated Impact on Operating Budget: **$4,000**
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #16 Improve Bike Lanes and Greenway Trail Connections
	Guiding Principle: #2 Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$690,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$60,000				$60,000
Land			$100,000				$100,000
Construction			$530,000				$530,000
Equipment							
TOTAL			$690,000				$690,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Westmoreland Bridge Reconfiguration	**Public Works**

Description:	Total Project Cost:
This project is to reconfigure the lanes on the Westmoreland Road Bridge to allow for a multipurpose path. As one of two ways across the interstate, the Westmoreland Bridge is not pedestrian or bicycle friendly at all. The reconfiguration of lanes would allow for a multipurpose path on one side of the bridge. Included in the project would be asphalt work to align the current lanes to the new configuration, a multipurpose path from Hwy 21 to the future McDowell Creek Greenway crossing, new railing on the bridge and slope protection railings, improve the pedestrian crossing at Westmoreland Road, and some drainage work. This project was a top priority in the Bike! Cornelius Plan. The Town applied for and is slated to receive (pending CRTPO and NCDOT action) TAP grant funds in the amount of $1.2M, combined with Town match funds of $540,000 (total project cost of $1.74M).	**$540,000** Estimated Impact on Operating Budget: Main Goal: Improve Mobility and Increase Transportation options Strategy: #15 Connect Local Sidewalks Guiding Principle: #1 Implement Bike Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$540,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$100,000				$100,000
Land							
Construction			$440,000				$440,000
Equipment							
TOTAL			$540,000				$540,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Glen Oak Green Park Connector (GW8)	**PARC**

Description:	Total Project Cost:
This project funds the extension of the Caldwell Station Creek Greenway from the main trail east of Glennmeade Drive to Glen Oak Green Park along existing Town-owned property. The trail will consist of a nearly 0.3-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. The trail is part of the approved Town of Cornelius 2015 Parks and Greenways Comprehensive Master Plan (GW8) and Pedestrian Plan.	**$ 518,000** Estimated Impact on Operating Budget: $3,000
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #16 Improve Bike Lanes and Greenway Trail Connections
	Guiding Principle: #2 Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$518,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$60,000				$60,000
Land							
Construction			$458,000				$458,000
Equipment							
TOTAL			$518,000				$518,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Nantz Road Connector Greenway (GW11)	**PARC**

Description:	Total Project Cost:
This project funds land acquisition and development of greenway connecting McDowell Creek Greenway Phase II to Catawba Ave/Nantz Road. It will link the currently-under-design portion of McDowell Creek Greenway with Nantz Road and Ramsey Creek Park. The trail will consist of a nearly 0.3-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. The trail is part of the approved Town of Cornelius Parks and Greenways Comprehensive Master Plan (GW11) and Pedestrian Plan.	**$ 518,000** Estimated Impact on Operating Budget: **$3,000**
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #16 Improve Bike Lanes and Greenway Trail Connections
	Guiding Principle: #2 Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$518,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$58,000				$58,000
Land			$60,000				$60,000
Construction			$400,000				$400,000
Equipment							
TOTAL			$518,000				$518,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Jetton Road Ext./Sefton Pkwy Improvements	**Public Works**

Description:	Total Project Cost:
This project would be to remove on-street parking that causes sight distance problems and add buffered bike lanes where the parking was previously. The buffered bike lanes would be added between West Catawba Ave. and One Norman Dr. From One Norman Dr. to Liverpool Pkwy. A multipurpose path would be added to the south side of the street and sharrows painted in the road. The majority of the multipurpose path will be installed as part of the CATS Park & Ride lot that is currently under construction. The work would involve removing the bump outs for parking, restriping, adding flexible bollards to separate bikes and cars, adding the multipurpose path, and resurfacing the whole road. This is one of the recommended cross sections for Jetton Ext. in the recently adopted Bike! Cornelius Plan.	**$460,000**
	Estimated Impact on Operating Budget:
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #23 & #15 Connect Local Sidewalks & Prioritize new roads.
	Guiding Principle: Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$460,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$50,000				$50,000
Land							
Construction			$410,000				$410,000
Equipment							
TOTAL			$460,000				$460,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Jetton Neighborhood Park Major Renovations	**PARC**

Description:	Total Project Cost:
This project provides funding for a large-scale renovation project at Jetton Neighborhood Park. It includes upgrading the trail surface to prevent washing and adding a gazebo and small playground. The Peninsula Property Owners Association is supportive of renovations to the park.	**$300,000** Estimated Impact on Operating Budget: ($700)
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$300,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design			$20,000				$20,000
Land							
Construction			$280,000				$280,000
Equipment							
TOTAL			$300,000				$300,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
West Catawba Ave., Utility Burial - Phase II C (Westmoreland Rd. to Hwy. 73)	**Public Works**

For the West Catawba Ave., Phase I widening project (1.0 miles from Torrence Chapel Rd. to Jetton Rd.), the Town invested funds in right of way acquisition, permanent utility easement acquisition, utility burial, decorative street lights, landscaping, signage, concrete/asphalt, and other aesthetic improvements. The actual costs (~2008) were $4,666,444.70 for utility burial PLUS $1,772,880 for PUEs (approximately 2/3 of the value of PUE was donated). Inflation adjustment for the past 8 years is 10% for construction cost, equaling $5,133,089.10 for utility burial. Inflation adjustment for the past 8 years is 13% for commercial real estate, equaling $2,003,354.40 for the 1/3 PUE value; assuming that the other 2/3 is not donated, brings PUE to a total of $6,010,063.20. Therefore, the adjusted grand total 2016 adjusted cost & paying for 100% of land cost for Phase I utility burial and PUE is $11,143,152. (This also happens to be the per mile cost.)

Extrapolating from Phase I, the Town's estimates for utility burial for Phase IIC (1.25 miles from Westmoreland Rd. to Hwy. 73) are as follows:

- Permanent Utility Easement (PUE) acquisition - $7,512,579
- Utility Burial - $6,416,361
- TOTAL = $13,928,940

Options to reduce costs:

- Portions of PUE may be donated as with West Catawba, Phase I
- Acquire PUE as part of the project, but delay burial until a later time; however, NCDOT will only provide funding for aerial utility relocation at the time of widening project (i.e., utility burial will cost more if deferred).

The Town requested a cost estimate from NCDOT for utility burial along West Catawba Ave., Phase II. NCDOT was not able to provide anything different than the Town's preceding extrapolated cost estimate. NCDOT and the utilities would not be able to provide a more accurate estimate until after the roadway plans are at least 25% complete. NCDOT has stated that the Town will need to decide if it wants to move forward with utility burial at the time that 25% plans are complete, and will need to make its decision based upon the extrapolated costs.

[Note: The Town has requested NCDOT provide a feasibility analysis and cost estimate for removing all aerial utilities that cross over West Catawba Ave.]

25% plans are projected to be complete by Summer 2017. <u>Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund utility burial and, if so, which phases to fund (A, B, or C).</u>

Total Project Cost:

$13,928,940

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizen Engagement

Strategy: #24
Town Beautification

Guiding Principle: #7
Determine when utility burials should occur during street & other right-of-way projects

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$13,928,940

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction				$6,964,470	$6,964,470		$13,928,940
Equipment							
TOTAL				$6,964,470	$6,964,470		$13,928,940

FY 2018-Future Capital Projects Detail

Project Title:	Program:
West Catawba Ave., Phase II – Bike/Ped Accommodations, Aesthetic Enhancements Multi-Purpose Path, Sidewalk, Bike Lanes/Cycle Track, Decorative Street Lights, Landscaping, Signage, Concrete/Asphalt, Mast Arms	**Public Works**

Description:

For the West Catawba Ave., Phase I widening project (1.0 miles from Torrence Chapel Rd. to Jetton Rd.), the Town invested funds in right of way acquisition, permanent utility easement acquisition, utility burial, decorative street lights, landscaping, signage, concrete/asphalt, and other aesthetic improvements. Phase II is a total of 2.35 miles from Jetton Rd. to Hwy. 73.

The Town will be responsible for betterment costs associated with bike/ped accommodations. It is estimated that these costs will be $3,525,000. (It is estimated that there are 2.35 linear miles of bike/ped accommodations at $1.5M per mile. Included in that unit cost is a Multi-purpose path on one side of West Catawba Ave., a sidewalk along the other side, and bike lanes/cycle track. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if costs of bike lanes/cycle tracks and sidewalks on both sides of a road will be covered by NCDOT.)

The Town is awaiting a determination from NCDOT whether it will allow a cycle track (in lieu of a bike lane) as recommended by the Town's Bike Plan. If so, the cost to the Town can then be determined.

Extrapolating from Phase I costs, the Town's estimates for Phase II (2.35 miles from Jetton Rd. to Hwy. 73) Aesthetic enhancements (Decorative Street Lights, Landscaping, Signage, Concrete/Asphalt, Mast Arms) is $2,630,000.

The Town will need to inform NCDOT whether it intends to fund some of the preceding (at a minimum, inform NCDOT if it wants to fund a cycle track, mast arms, etc.) at the time that 25% plans are complete. NCDOT projects that 25% plans will be completed as early as July 2017. Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund the multi-purpose path, sidewalks, cycle track/bike lanes, mast arms, decorative street lights, decorative poles, and landscaping.

The Town will need to enter into a Municipal Agreement to finalize the preceding.

Total Project Cost:

$6,155,000

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizen Engagement

Strategy: #24
Town Beautification

Guiding Principle: #7
Determine when utility burials should occur during street & other right-of-way projects

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$6,155,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction				$6,155,000			$6,155,000
Equipment							
TOTAL				$6,155,000			$6,155,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
West Catawba Ave., Utility Burial - Phase II B (Nantz Rd. to Westmoreland Rd.)	**Public Works**

For the West Catawba Ave., Phase I widening project (1.0 miles from Torrence Chapel Rd. to Jetton Rd.), the Town invested funds in right of way acquisition, permanent utility easement acquisition, utility burial, decorative street lights, landscaping, signage, concrete/asphalt, and other aesthetic improvements. The actual costs (~2008) were $4,666,444.70 for utility burial PLUS $1,772,880 for PUEs (approximately 2/3 of the value of PUE was donated). Inflation adjustment for the past 8 years is 10% for construction cost, equaling $5,133,089.10 for utility burial. Inflation adjustment for the past 8 years is 13% for commercial real estate, equaling $2,003,354.40 for the 1/3 PUE value; assuming that the other 2/3 is not donated, brings PUE to a total of $6,010,063.20. Therefore, the adjusted grand total 2016 adjusted cost & paying for 100% of land cost for Phase I utility burial and PUE is $11,143,152. (This also happens to be the per mile cost.)

Extrapolating from Phase I, the Town's estimates for utility burial for Phase IIB (0.69 miles from Nantz Rd. to Westmoreland Rd.) are as follows:

- Permanent Utility Easement (PUE) acquisition - $4,146,944
- Utility Burial - $3,541,831
- TOTAL = $7,688,775

Options to reduce costs:

- Portions of PUE may be donated as with West Catawba, Phase I
- Acquire PUE as part of the project, but delay burial until a later time; however, NCDOT will only provide funding for aerial utility relocation at the time of widening project (i.e., utility burial will cost more if deferred).

The Town requested a cost estimate from NCDOT for utility burial along West Catawba Ave., Phase II. NCDOT was not able to provide anything different than the Town's preceding extrapolated cost estimate. NCDOT and the utilities would not be able to provide a more accurate estimate until after the roadway plans are at least 25% complete. NCDOT has stated that the Town will need to decide if it wants to move forward with utility burial at the time that 25% plans are complete, and will need to make its decision based upon the extrapolated costs.

[Note: The Town has requested NCDOT provide a feasibility analysis and cost estimate for removing all aerial utilities that cross over West Catawba Ave.]

25% plans are projected to be complete by Summer 2017. <u>Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund utility burial and, if so, which phases to fund (A, B, or C).</u>

Total Project Cost:

$7,688,775

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizen Engagement

Strategy: #24
Town Beautification

Guiding Principle: #7
Determine when utility burials should occur during street & other right-of-way projects

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$7,688,775

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction				$3,844,387	$3,844,388		$7,688,775
Equipment							
TOTAL				$3,844,387	$3,844,388		$7,688,775

FY 2018-Future Capital Projects Detail

Project Title:	Program:
West Catawba Ave., Utility Burial - Phase II A (Jetton Rd. to Nantz Rd.)	**Public Works**

For the West Catawba Ave., Phase I widening project (1.0 miles from Torrence Chapel Rd. to Jetton Rd.), the Town invested funds in right of way acquisition, permanent utility easement acquisition, utility burial, decorative street lights, landscaping, signage, concrete/asphalt, and other aesthetic improvements. The actual costs (~2008) were $4,666,444.70 for utility burial PLUS $1,772,880 for PUEs (approximately 2/3 of the value of PUE was donated). Inflation adjustment for the past 8 years is 10% for construction cost, equaling $5,133,089.10 for utility burial. Inflation adjustment for the past 8 years is 13% for commercial real estate, equaling $2,003,354.40 for the 1/3 PUE value; assuming that the other 2/3 is not donated, brings PUE to a total of $6,010,063.20. Therefore, the adjusted grand total 2016 adjusted cost & paying for 100% of land cost for Phase I utility burial and PUE is $11,143,152. (This also happens to be the per mile cost.)

Extrapolating from Phase I, the Town's estimates for utility burial for Phase IIA (0.41 miles from Jetton Rd. to Nantz Rd.) are as follows:

- Permanent Utility Easement (PUE) acquisition - $2,464,125
- Utility Burial - $2,104,566
- TOTAL = $4,568,691

Options to reduce costs:

- Portions of PUE may be donated as with West Catawba, Phase I
- Acquire PUE as part of the project, but delay burial until a later time; however, NCDOT will only provide funding for aerial utility relocation at the time of widening project (i.e., utility burial will cost more if deferred).

The Town requested a cost estimate from NCDOT for utility burial along West Catawba Ave., Phase II. NCDOT was not able to provide anything different than the Town's preceding extrapolated cost estimate. NCDOT and the utilities would not be able to provide a more accurate estimate until after the roadway plans are at least 25% complete. NCDOT has stated that the Town will need to decide if it wants to move forward with utility burial at the time that 25% plans are complete, and will need to make its decision based upon the extrapolated costs.

[Note: The Town has requested NCDOT provide a feasibility analysis and cost estimate for removing all aerial utilities that cross over West Catawba Ave.]

25% plans are projected to be complete by Summer 2017. <u>Therefore, the Town will need to determine as part of the FY18 Budget Process if it will fund utility burial and, if so, which phases to fund (A, B, or C).</u>

Total Project Cost:

$4,568,690

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizen Engagement

Strategy: #24
Town Beautification

Guiding Principle: #7
Determine when utility burials should occur during street & other right-of-way projects

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$4,568,690

	Request Type
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction				$2,284,345	$2,284,345		$4,568,690
Equipment							
TOTAL				$2,284,345	$2,284,345		$4,568,690

FY 2018-Future Capital Projects Detail

Project Title:	Program:
West Catawba, Phase II – STI/Local Funding Contribution	**Public Works**

Description:

Approximately every 2 years, NCDOT works with CRTPO to rank road projects for the purpose of determining funding and timeframes. The higher a project ranks, the more likely it is that it will be placed on the TIP, and constructed within a 5 to 10 year period. NCDOT's SPOT 3.0 ranking process incorporated the new STI (Strategic Transportation Initiatives) parameters into the rankings. NCDOT requested that if any local entities would like to contribute local funding to projects, that it state this to CRTPO. On January 6, 2014, the Town Board adopted a resolution committing $1.2 million (which was equivalent to approximately 4% of NCDOT's 2014 estimated $29.3M cost for the entire project. The local contribution has accelerated the project schedule by approximately 2 years.

The 2018-2027 STIP lists Right of Way and utilities in FFY18 and Construction in FFY20. The STIP also lists the Town's local contribution occurring in FFY20, thus the Town should plan on providing those funds in FY20; however, a Municipal Agreement will need to be executed to define this.

The Town is committed to these funds.

Total Project Cost:

$1,200,000

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizens Engagement

Strategy : #24
Town Beautification

Guiding Principle: #7
Determine when utility burials should occur during street and other right-of-way projects

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,200,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction				$1,200,000			$1,200,000
Equipment							
TOTAL				$1,200,000			$1,200,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Replace Engine 4	**Fire**

Description:

Replace Engine 4, a 2001 pumper which has served as a front line company the majority of its life. The company has remained in the front line position due to Engine 5 having a lengthy repair after an accident. This has created more mileage and undue wear on this engine company. Normally an engine company is run 10 years as a front line pumper, 10 years as a backup, and 5 years in reserve.

NFPA 1901 states the engine could be used in the reserve status for up to a total life of 25 years depending on the condition and maintenance of the vehicle.

The amount of $700,000 includes the apparatus, delivery fees, travel expenses, radio upfit, graphics, light packages, emergency warning devices, and all new equipment to place it in-service.

Total Project Cost:

$700,000

Estimated Impact on Operating Budget:

Main Goal: Strengthen Citizen Engagement

Strategy: #23 Maintain and Improve Town Services

Guiding Principle: #4 Prioritize capital improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$700,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment				$700,000			$700,000
TOTAL				$700,000			$700,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Hwy. 21 Widening (A) – Bike/Ped Accommodations and Aesthetics	**Public Works**

Description:

In FFY20, construction will commence on widening Hwy. 21 (Section A, Northcross Center Ct. to Westmoreland Rd.). The Town will have an opportunity to aesthetically enhance this corridor in conjunction with the widening, with elements such as black powder-coated mast arms, black sign posts, decorative street lights, landscaping, etc. Extrapolating from costs for similar items along West Catawba, Phase I, this cost is estimated to be $1,341,818 for this 1.2-mile project.

The Town will be responsible for betterment costs associated with bike/ped accommodations. It is estimated that these costs will be $2,400,000. (It is estimated that there are 1.2 linear miles of bike/ped accommodations at $2.0M per mile. Included in that unit cost is a Multi-purpose path on one side of Hwy. 115, a sidewalk along the other side, and bike lanes. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if costs of bike lanes (e.g., 4' vs. 5' bike lanes) and sidewalks on both sides of a road will be covered by NCDOT.)

(It is not anticipated that Utility Burial will be part of this project.)

The Town will need to enter into a Municipal Agreement for these costs.

Conceptual design began in late 2016. The roadway project is a design-build project, with right-of-way/utilities/construction scheduled to commence in FY20. The construction is anticipated to be completed in FY22.

In FY18, the Town will likely need to decide if it wants to fund the preceding.

Total Project Cost:

$3,741,818

Estimated Impact on Operating Budget:

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: 12
Prioritize New Roads and Widen Roads
Strategy: 16
Improve Bike lanes and Greenway Trail Connections
Strategy: 24
Town Beautification

Guiding Principle:
Prioritize Road Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,741,818

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction					$3,741,818		$3,741,818
Equipment							
TOTAL					$3,741,818		$3,741,818

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Replace Truck 4	**Fire**

Description:	Total Project Cost:
Replace Truck 4, a 1996 ladder which has served at Station 2. Normally a Ladder company is run 15 years as a front line ladder, 10 years as a reserve. This truck has continued as a front line ladder throughout its tenor at Cornelius. NFPA 1901 states the ladder could be used in the reserve status for up to a total life of 25 years depending on the condition and maintenance of the vehicle. The amount of $1,000,000 includes the apparatus, delivery fees, travel expenses, radio upfit, graphics, light packages, emergency warning devices, and all new equipment to place it in-service.	**$1,000,000** Estimated Impact on Operating Budget:
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize capital improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,000,000

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment					$1,000,000		$1,000,000
TOTAL					$1,000,000		$1,000,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Synthetic Turf Multi-Purpose Field – Smithville Park	**PARC**

Description:	Total Project Cost:
This project funds the installation of synthetic turf on the multi-purpose field at Smithville Park. Synthetic turf will accommodate up to three times more traffic than natural grass can tolerate and at minimal operating cost per hour of use. Installation of synthetic turf fields should reduce field maintenance costs by as much as $8,000 annually because they will no longer require mowing, fertilization, irrigation, field lining, weed control, etc. It will also provide essentially unlimited use as the fields will no longer require extended periods to rest for turf renovation. Synthetic turf has virtually eliminated game delays and cancellations due to inclement weather at Bailey Road Park. This is an important factor tournament providers consider when evaluating locations. Staff will work with athletic partner groups to determine their funding commitment with the addition of an artificial turf surface.	**$850,000** Estimated Impact on Operating Budget: **-$8,000 annual <u>reduction</u>**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Service
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$850,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design					$30,000		$30,000
Land							
Construction					$820,000		$820,000
Equipment							
TOTAL					$850,000		$850,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Torrence Chapel Park Major Renovations	**PARC**

Description:	Total Project Cost:
This project provides funding for renovation projects at Torrence Chapel Park. It includes: Adding a third lighted tennis court and fencing $250,000; Updating the playground, installing synthetic safety surfacing and a shade structure $250,000; Repairing trails, parking lot cracks and top coat asphalt $150,000.	**$650,000** Estimated Impact on Operating Budget: $600
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$650,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design					$45,000		$45,000
Land							
Construction					$605,000		$605,000
Equipment							
TOTAL					$650,000		$650,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Smithville Park Major Renovations	**PARC**

Description:	Total Project Cost:
This project provides funding for two large-scale renovation projects at Smithville Park. The first includes updating the playground, installing synthetic safety surfacing and improving shade $250,000; The second project involves repairing cracks, top coating and restriping both parking lots $180,000.	**$430,000** Estimated Impact on Operating Budget: Deduct $750
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$430,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design					$15,000		$15,000
Land							
Construction					$415,000		$415,000
Equipment							
TOTAL					$430,000		$430,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Westmoreland / McDowell Creek Neighborhood Park	**PARC**

Description:	Total Project Cost:
Acquire land and construct a neighborhood park adjacent to the undeveloped Westmoreland Neighborhood Park parcel, identified as project N2 in the 2015-2025 Parks and Greenways Comprehensive Master Plan. Land acquisition needs to occur while there is still undeveloped land. The town currently owns property in this area; however, development will require additional land acquisition for neighborhood park facilities as well as pedestrian and vehicle access. The park facilities would include traditional amenities including multi-use field(s), playground, picnic shelter and picnic sites, restroom, parking area, trails, etc.	**$3,400,000** Estimated Impact on Operating Budget: **$135,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,400,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$300,000	$300,000
Land						$600,000	$600,000
Construction						$2,500,000	$2,500,000
Equipment							
TOTAL						$3,400,000	$3,400,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Hwy. 115 – North Corridor (Washam Potts Rd. to Potts St.) Bike/Ped Accommodations and Aesthetics	**Public Works**

Description:	Total Project Cost:
In future years, NCDOT will improve the Hwy. 115 North Corridor (Washam Potts Rd. to Potts St.). The Town will have an opportunity to aesthetically enhance this corridor in conjunction with the NCDOT roadway project, with elements such as black powder-coated mast arms, black sign posts, decorative street lights, landscaping, bike/ped accommodations, etc. Extrapolating from costs for similar items along West Catawba, Phase I, this cost is estimated to be $1,400,000 for this 1.25 mile project. The Town will be responsible for betterment costs associated with bike/ped accommodations. It is estimated that these costs will be $1,875,000. (It is estimated that there are 1.25 linear miles of bike/ped accommodations at $1.5M per mile. Included in that unit cost is a Multi-purpose path on one side of Hwy. 115, a sidewalk along the other side, and bike lanes. NCDOT will at least provide for the cost of replacing sidewalks where they currently exist. It is unclear if costs of bike lanes and sidewalks on both sides of a road will be covered by NCDOT.) The roadway project has historically scored well in STI rankings, and upon completion of the current UPWP corridor study that recommends a preferred design, it may receive funding in a near-future TIP, as early as the 2020-2029 TIP.	**$3,275,000** Estimated Impact on Operating Budget: Main Goal: Improve Mobility and Increase Transportation Options Strategy: 12 Prioritize New Roads and Widen Roads Strategy: 16 Improve Bike lanes and Greenway Trail Connections Strategy: 24 Town Beautification Guiding Principle: Prioritize Road Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,275,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction						$3,275,000	$3,275,000
Equipment							
TOTAL						$3,275,000	$3,275,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Village Center Neighborhood Park	**PARC**

Description:	Total Project Cost:
Acquire land and construct an urban neighborhood park south of Catawba Avenue, east of Jetton Road and west of I-77, identified as project N1 in the 2015-2025 Parks and Greenways Comprehensive Master Plan. The Village Center area is predominantly commercial development but is in close proximity to existing and proposed single and multi-family housing. Due to space limitations the park would be designed without active recreation fields but may include indoor/outdoor sport courts, sand volleyball and fitness activities for all generations.	**$3,200,000** Estimated Impact on Operating Budget: **$135,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,200,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$300,000	$300,000
Land						$400,000	$400,000
Construction						$2,500,000	$2,500,000
Equipment							
TOTAL						$3,200,000	$3,200,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Training Center/Land and Tower	**Fire**

Description:	Total Project Cost:
With continued growth in calls for service, the Town needs to consider purchasing land and building a new fire station in the Westmoreland area. The Town should consider training facilities such as a training tower with classroom capability. This was identified in the recent ICMA Study as recommendation #11. In the follow up study concerning the feasibility of merging Cornelius and Davidson Fire Departments, the Concluding Recommendation stated the departments should train together. A training facility to be used by both departments would assure this combination training would happen and benefit both Towns. The Training Tower would be a multi-story conex container facility with a small classroom suitable for various types of training, including but not limited to, search and rescue from a structure, high angle rescue, forcible entry, ventilation, pumping standpipe and sprinkler systems and JRPAT (job related physical agility test). See www.trainingtowers.com for additional details and facility options. Upgrade the training tower/ grounds to include a permanent classroom and add training props for special response training, i.e., HazMat, confined space and trench rescue.	**$3,000,000** Estimated Impact on Operating Budget: Main goal: Strengthen Citizen Engagement Strategy: #23 Maintain and Improve Town Services Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$3,000,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land						$3,000,000	$3,000,000
Construction							
Equipment							
TOTAL						$3,000,000	$3,000,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
North Bailey Road Greenway (GW6)	**PARC**

Description:

This project funds land acquisition and development of greenway from the Mooresville-Charlotte Trail along Highway 115 just south of Antiquity to the South Prong Rocky River Greenway in Davidson.

The trail will consist of a nearly 1.5-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings.

The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW6) and Pedestrian Plan.

Total Project Cost:

$ 2,558,000

Estimated Impact on Operating Budget:

$15,000

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #16
Improve Bike Lanes and Greenway Trail Connections

Guiding Principle: #2
Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,558,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$260,000	$260,000
Land						$300,000	$300,000
Construction						$1,998,000	$1,998,000
Equipment							
TOTAL						$2,558,000	$2,558,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Waterfront Park	**PARC**

Description:	Total Project Cost:
This project funds land acquisition and initial development of a waterfront park and swimming access on Lake Norman. Future phases will include additional development funds based upon the land acquired. A waterfront park and swimming access has been identified as a high priority in the Town's Comprehensive Master Plan. Since the 1970's there had been no public swimming access on Lake Norman until Mecklenburg County developed a small but extremely popular swimming beach at Ramsey Creek Park in 2016. The next closest public swimming facility is located over twenty miles from Cornelius at Duke Power State Park west of Troutman, NC. Due to development constraints, the Ramsey Creek Park beach has less than a ½-acre swimming area. This small beach and swimming area will not accommodate the growing demand for water access. The Town will need to provide a second location to compliment the Ramsey Creek Park swimming beach.	**$2,500,000** Estimated Impact on Operating Budget: $135,000 Main Goal: Strengthen Citizen Engagement Strategy: #23 Maintain and Improve Town Services Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,500,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$50,000	$50,000
Land						$1,800,000	$1,800,000
Construction						$650,000	$650,000
Equipment							
TOTAL						$2,500,000	$2,500,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Victoria Bay Greenway (GW12)	**PARC**

Description:

This project funds land acquisition and development of greenway connecting Catawba Avenue through the Victoria Bay community, along the shore of Lake Cornelius and to Washam Street.

The trail will consist of a nearly 1.4-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings.

The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW12) and Pedestrian Plan.

Total Project Cost:

$ 2,411,000

Estimated Impact on Operating Budget:

$14,000

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #16
Improve Bike Lanes and Greenway Trail Connections

Guiding Principle: #2
Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,411,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$210,000	$210,000
Land						$300,000	$300,000
Construction						$1,901,000	$1,901,000
Equipment							
TOTAL						$2,411,000	$2,411,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
South Bailey Road Greenway Phase III (GW10)	**PARC**

Description:	Total Project Cost:
This project funds land acquisition and construction for the third phase of the South Bailey Road Greenway. It will link the Caldwell Station Creek Greenway and the second phase of the South Bailey Road Greenway in the Beverly subdivision to the Mecklenburg County Regional Recreation Center site located on Old Statesville Road. The trail will consist of a nearly 1.0-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW10) and Pedestrian Plan.	**$ 2,250,000** Estimated Impact on Operating Budget: **$10,000**
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #16 Improve Bike Lanes and Greenway Trail Connections
	Guiding Principle: #2 Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,250,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$50,000	$50,000
Land						$700,000	$700,000
Construction						$1,500,000	$1,500,000
Equipment							
TOTAL						$2,250,000	$2,250,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Old Cornelius to Statesville Road Greenway (GW5)	**PARC**

Description:	Total Project Cost:
This project funds land acquisition and development of greenway connecting downtown Cornelius heading southwest to Westmoreland/Statesville Road. The trail will consist of a nearly 1.1-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW5) and Pedestrian Plan.	**$ 2,035,000** Estimated Impact on Operating Budget: **$11,000**
	Main Goal: Improve Mobility and Increase Transportation Options
	Strategy: #16 Improve Bike Lanes and Greenway Trail Connections
	Guiding Principle: #2 Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,035,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$165,000	$165,000
Land						$220,000	$220,000
Construction						$1,650,000	$1,650,000
Equipment							
TOTAL						$2,035,000	$2,035,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Mini Park Land Acquisition and Development	**PARC**

Description:	Total Project Cost:
Construct three mini parks as identified in the 2015-2025 Parks and Greenways Comprehensive Master Plan. The Poole Place Park site (M1 a.k.a. Habitat for Humanity site) is located on Town-owned property near the terminus of the Caldwell Station Creek Greenway. This project also funds land acquisition and development for the westernmost portion of the 0.3-mile southern leg of Caldwell Station Creek Greenway (GW9). It will link the original Caldwell Station Creek Greenway near Poole Place to the Caldwell Station community. The project funds the construction of a mini park north of Antiquity (M2). The park will connect to the Antiquity Greenway and the Mooresville to Charlotte Trail. This project also funds land acquisition, design and construction of a series of mini parks along West Catawba Avenue/Jetton Rd. extension/Catawba Ave. These parks can be used as stopping/resting areas along a newly enhanced and reinforced pedestrian/bikeway/greenway system and will be strategically located to coincide with mass transit stops along this corridor. Town staff are actively working with NCDOT regarding land acquisition for West Catawba Road widening between Jetton Road and Highway 73. These parks are part of the approved 2015-2025 Town of Cornelius Parks and Greenways Comprehensive Master Plan (M3).	**$2,000,000** Estimated Impact on Operating Budget: **$83,000** Main Goal: Strengthen Citizen Engagement Strategy: #23 Maintain and Improve Town Services Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$2,000,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$200,000	$200,000
Land						$250,000	$250,000
Construction						$1,550,000	$,1550,000
Equipment							
Total						$2,000,000	$2,000,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Caldwell Station Creek Greenway (South) Phase II (GW9)	**PARC**

Description:

This project funds land acquisition and development of the Phase II southern leg of Caldwell Station Creek Greenway. It will link the Caldwell Station community at Caldwell Depot Road to the Mecklenburg County Regional Recreation Center site located on Old Statesville Road.

The trail will consist of a nearly 1.0-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings. Approximately half the property is to be dedicated to the Town.

The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW9) and Pedestrian Plan.

Total Project Cost:

$ 1,750,000

Estimated Impact on Operating Budget:

$10,000

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #16
Improve Bike Lanes and Greenway Trail Connections

Guiding Principle: #2
Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,750,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$150,000	$150,000
Land						$100,000	$100,000
Construction						$1,500,000	$1,500,000
Equipment							
TOTAL						$1,750,000	$1,750,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Westmoreland Park Greenway (GW13)	**PARC**

Description:

This project funds land acquisition and development of greenway from the McDowell Creek (North) Greenway in the Westmoreland community to Westmoreland Road near WAC.

The trail will consist of a nearly 0.7-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings.

The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW13) and Pedestrian Plan.

Total Project Cost:

$ 1,210,000

Estimated Impact on Operating Budget:

$7,000

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #16
Improve Bike Lanes and Greenway Trail Connections

Guiding Principle: #2
Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,210,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$110,000	$110,000
Land						$150,000	$150,000
Construction						$950,000	$950,000
Equipment							
TOTAL						$1,210,000	$1,210,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Washam Neighborhood Park	**PARC**

Description:	Total Project Cost:
Develop a neighborhood park with an environmental learning component within the Washam property and the adjacent Eco-Park parcel, identified as project S2 in the 2015-2025 Parks and Greenways Comprehensive Master Plan. The Town and County own several properties adjacent to the Caldwell Station Creek Greenway between Highway 21 and Bailey Road. There are unique conservation and education opportunities within the environmentally significant Eco-Park property. Development of the Town-owned site will require great care and sensitivity to ensure the habitat remains intact. The County-owned Washam property offers the opportunity to construct a greenway trail head (parking area and restrooms), community and pollinator gardens, bee and wildlife habitats, group picnic shelter/farmer's market, as well as traditional neighborhood park amenities.	**$1,000,000** Estimated Impact on Operating Budget: **$135,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principles: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$1,000,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$120,000	$120,000
Land							
Construction						$880,000	$880,000
Equipment							
Total						$1,000,000	$1,000,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
North Bailey Road to Bailey Road Greenway (GW7)	**PARC**

Description:

This project funds land acquisition and development of greenway from the North Bailey Road Greenway south to Bailey Road Park.

The trail will consist of a nearly 0.5-mile-long, ten-foot-wide paved trail for pedestrians and bicycles. The project includes funds for signage and site furnishings.

The trail is part of the approved Town of Cornelius Parks and Greenways Master Plan (GW7) and Pedestrian Plan.

Total Project Cost:

$ 750,000

Estimated Impact on Operating Budget:

$5,000

Main Goal:
Improve Mobility and Increase Transportation Options

Strategy: #16
Improve Bike Lanes and Greenway Trail Connections

Guiding Principle: #2
Update Greenway Master Plan

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$750,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$75,000	$75,000
Land						$100,000	$100,000
Construction						$575,000	$575,000
Equipment							
TOTAL						$750,000	$750,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
I-77 Service Rd. to Westmoreland Neighborhood	**Public Works**

Description:

Improve North-South mobility by creating a parallel to I-77. Create a road connection between I-77 Service Rd. to the existing terminus of Lake Path Rd. (Westmoreland neighborhood).

The distance is approximately 450'. Assuming a right of way width of 60' equals 27,000 square feet of needed right of way to acquire. The tax land value is valued at $7.00 per square foot. Therefore, the estimated right of way cost is $236,250 assuming a 25% contingency.

The design ($50,000) and construction cost ($450,000) is estimated at $500,000.

Total Project Cost:

$736,250

Estimated Impact on Operating Budget:

Main Goal: Improve Mobility and Increase Transportation Options

Strategy: #23 & #15 Connect Local Sidewalks & Prioritize new roads.

Guiding Principle: Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$736,250

Request Type	
X	New
	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$50,000	$50,000
Land						$236,250	$236,250
Construction						$450,000	$450,000
Equipment							
TOTAL						$736,250	$736,250

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Bailey Road Park Tennis and Pickleball Complex	**PARC**

Description:	Total Project Cost:
This project provides funding to construct pickleball and tennis courts at Bailey Road Park. The tennis and pickleball complex project will be built in partnership with the developer of Bailey's Glen. The project includes 8+/- pickleball courts and 6 tennis courts as well as lighting, parking and a restroom building.	**$555,000** Estimated Impact on Operating Budget: **$29,265** **(-$10,000 revenue)**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$555,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction						$555,000	$555,000
Equipment							
TOTAL						$555,000	$555,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Spray Park (S1)	**PARC**

Description:	Total Project Cost:
This project provides funding to design and construct an interactive water feature. The spray park would have specialized water features that contain elements for water play but no standing water. It would include nozzles located at ground level that spray water upwards from the splash pad's deck. The spray park would be designed to provide both aesthetic appeal and the opportunity for people to get wet, much like Centennial Park (Olympic Park) in Atlanta or Birkdale Village. The water would be treated and recycled similar to a swimming pool. This project was identified as project S1 in the 2015-2025 Parks and Greenways Comprehensive Master Plan.	**$500,000** Estimated Impact on Operating Budget: **$90,000**
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$500,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$50,000	$50,000
Land							
Construction						$450,000	$450,000
Equipment							
TOTAL						$500,000	$500,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Legion Park Major Renovations	**PARC**

Description:	Total Project Cost:
This project provides funding for two large-scale renovation projects at Legion Park. The first includes updating the playground, installing synthetic safety surfacing and improving shade $200,000; The second project involves removing the riprap stone armoring the creek banks and restoring the creek to its natural state. The project would include construction of a small water feature in the northwest corner of the park $250,000.	**$450,000** Estimated Impact on Operating Budget: Deduct $700
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Services
	Guiding Principle: #4 Prioritize Capital Improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$450,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design						$25,000	$25,000
Land							
Construction						$425,000	$425,000
Equipment							
TOTAL						$450,000	$450,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Police Substation	**Police**

Description:	Total Project Cost:
Police Substation will improve accessibility of police services to the west end of the city and improve deployment of resources in this area. A substation will help relieve parking and existing office space issues at current PD headquarters. A substation will also support the geographic based policing philosophy where officers become more familiar with specific issues associated with the area they are policing. I request this item stay on the CIP for future years, but recommend we wait for now to see if the Town acquires facilities in the future on the west side that we could co-habitat on.	**$300,000** Estimated Impact on Operating Budget: $100,000 per year (Staffing)
	Main Goal: Strengthen Citizen Engagement
	Strategy: #23 Maintain and Improve Town Service
	Guiding Principle:

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$300,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction							
Equipment						$300,000	$300,000
TOTAL						$300,000	$300,000

FY 2018-Future Capital Projects Detail

Project Title:	Program:
Stream Restoration Project - Upper McDowell Creek	**Public Works**

Description:

The McDowell Creek watershed is significant in contributing to the drinking water supply for the majority of Mecklenburg County. The headwaters of McDowell Creek exist in Cornelius and are severely impaired. In 2010, the Town partnered with Mecklenburg County in obtaining a 319 Water Quality Grant (Federal Funds) and rehabilitating approx. 1600' of Upper McDowell Creek. The project was successful and residents were excited and pleased with the project. In addition to the water quality benefits, the completed project provides the Town with the ability to develop a greenway at a reduced cost.

The Upper McDowell Creek stream restoration project is also in the McDowell Creek watershed. The longer these projects are delayed, chances of receiving funding decreases.

If awarded, it is estimated that the 319 grant funding would provide up to approx. 50% of funding, and the Town would be responsible for the balance.

Upper McDowell Creek

- Restoration of 1600' of the creek immediately downstream of the 2010 completed project. (downstream of Animal Shelter and Meck Co. property; upstream of confluence at major system section of McDowell Creek)
- Total project cost is estimated at $264,000.
- **Town of Cornelius estimated cost share is 67% or $176,000.**
- Project includes design/engineering and construction (design would provide for firmer estimates which could affect Town's portion of cost).
- Water quality improvements
- Future Greenway enhancements

It is recommended that this project occurs after the completion of the Willow Pond and Coachmans Woods restoration project due to the time-sensitive Willow Pond HOA land-exchange agreement, available grant funding, and greenway system priority of these other two project alignments.

Total Project Cost:

$176,000

Estimated Impact on Operating Budget:

Main Goal:
Strengthen Citizen Engagement

Strategy: #23
Maintain and Improve Town Services

Guiding Principle: #4
Prioritize capital improvements

Project Status as of December 31, 2016	
Total Appropriations	$0
Total Expenditures	$0
Project Balance	$176,000

Request Type	
	New
X	Continuation

Project	2018	2019	2020	2021	2022	Future	Total
Expenses							
Plan/design							
Land							
Construction						$176,000	$176,000
Equipment							
TOTAL						$176,000	$176,000

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Action Requested:

Five Year Financial Forecast

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
5yr_forecast.pdf	5yr Forecast	Backup Material

TOWN OF CORNELIUS, NORTH CAROLINA
GENERAL FUND LONG-TERM FINANCIAL PLAN
AS OF MARCH 5, 2017

	FY 2015 Actual	FY 2016 ACTUAL	FY 2017 EYE	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Beginning Fund Balance	14,960,005	15,904,192	18,073,909	17,777,807	18,917,913	16,435,820	16,745,454	16,800,067
Revenues:								
Property tax	11,930,317	12,395,595	13,314,461	13,514,178	14,057,932	16,153,170	16,470,764	16,794,710
Sales tax	2,926,603	3,159,517	3,206,910	3,255,013	3,352,663	3,453,243	3,556,841	3,663,546
Franchise tax	1,673,776	1,913,825	1,836,514	1,887,936	1,940,798	1,995,141	2,051,004	2,108,433
Powell Bill allocation	727,471	741,996	751,186	761,210	761,210	761,210	761,210	761,210
All others	3,084,777	3,298,899	3,196,694	3,172,945	3,905,739	3,408,725	3,330,256	3,380,210
Total Revenues	20,342,944	21,509,832	22,305,766	22,591,282	24,018,343	25,771,489	26,170,075	26,708,108
Expenditures:								
Personnel	7,019,443	7,105,350	7,464,503	7,973,157	8,292,083	8,623,767	8,968,717	9,327,466
Operating	7,881,371	7,716,092	8,657,024	8,703,228	9,007,841	9,368,155	9,742,881	10,132,596
Art Center (land, operating)		-			245,000	252,350	259,921	267,718
Debt service	2,602,255	3,243,502	2,923,408	2,740,792	2,069,844	1,717,244	1,612,649	1,208,675
Capital (prev & Pub V	1,000,000	-	742,832	330,000	860,000	810,000	800,000	300,000
Capital fund balance	895,688	1,121,463	2,814,100	1,704,000	3,997,577	185,000	190,000	3,931,818
New debt svc	-		-	-	2,028,090	4,505,341	4,541,295	4,634,610
Transfers	-		-	-	-	-	-	-
Use of Cap Reserve	-	153,708	-	-	-	-	-	-
Total Expenditures	19,398,757	19,340,115	22,601,867	21,451,177	26,500,435	25,461,856	26,115,462	29,802,883
Net	944,187	2,169,717	(296,102)	1,140,105	(2,482,092)	309,633	54,613	(3,094,775)
Ending Fund Bal	15,904,192	18,073,909	17,777,807	18,917,913	16,435,820	16,745,454	16,800,067	13,705,292
Capital Reserve	-		-	-	-	-	-	-
Total Balances	15,904,192	18,073,909	17,777,807	18,917,913	16,435,820	16,745,454	16,800,067	13,705,292
End Bal as % of Exps	82%	93%	79%	88%	62%	66%	64%	46%

TOWN OF CORNELIUS, NORTH CAROLINA
GENERAL FUND LONG-TERM FINANCIAL PLAN
AS OF MARCH 5, 2017

	FY 2015 Actual	FY 2016 ACTUAL	FY 2017 EYE	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Tax Assumptions:								
Value	5,000,082,500	5,106,084,249	5,235,561,500	5,274,098,373	5,353,209,849	5,460,274,046	6,683,375,432	6,817,042,941
% increase growth	2.120%	2.536%	0.7%	1.5%	2.0%	2.0%	2.0%	2.0%
% Change reval	0%	0%	0%	0%	0%	20%	0%	0%
New Value	5,106,084,249	5,235,561,500	5,274,098,373	5,353,209,849	5,460,274,046	6,683,375,432	6,817,042,941	6,953,383,800
Collection rate	97.8%	97.8%	99.0%	99.0%	99.0%	99.0%	99.0%	99.0%
Rate	0.24	0.24	0.255	0.255	0.255	0.24	0.24	0.24
Tax produced	11,985,001	12,288,910	13,314,461	13,514,178	13,784,462	15,879,700	16,197,294	16,521,240
Revenue assumptions:								
Sales tax					3.0%	3.0%	3.0%	3.0%
Franchise tax					2.8%	2.8%	2.8%	2.8%
Powell Bill					0.0%	0.0%	0.0%	0.0%
Other					1.5%	1.5%	1.5%	1.5%
Expense assumptions:								
Personnel					4.00%	4.00%	4.00%	4.00%
Operating					3.50%	4.00%	4.00%	4.00%
Debt issuance variable:								
Beginning Debt O/S	10,258,549	18,147,488	16,370,722	16,172,171	15,377,088	25,396,476	46,119,729	43,990,566
Principal retired	(2,356,061)	(2,775,130)	(1,767,818)	(1,499,536)	(1,053,433)	(1,452,186)	(768,601)	(1,452,186)
Principal issued	10,245,000	998,364	1,792,600	930,000	12,060,000	24,421,000	900,000	3,085,000
Princ on new debt	-	-	(223,333)	(225,547)	(987,178)	(2,245,562)	(2,260,562)	(900,000)
Ending Debt O/S	18,147,488	16,370,722	16,172,171	15,377,088	25,396,476	46,119,729	43,990,566	44,723,380

There will usually be differences between the forecasted and actual results, because events and circumstances frequently do not occur as expected,

check figure: total capital funded	2,964,000	16,917,577	25,416,000	1,890,000	7,316,818
= CIP?	(1,100,000)	190,000	8,265,000	(7,355,000)	-
	-				

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Julie Niswonger, Finance Director

Action Requested:

Financial Condition

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
9_Financial_Condition.pptx	Financial Condition	Presentation

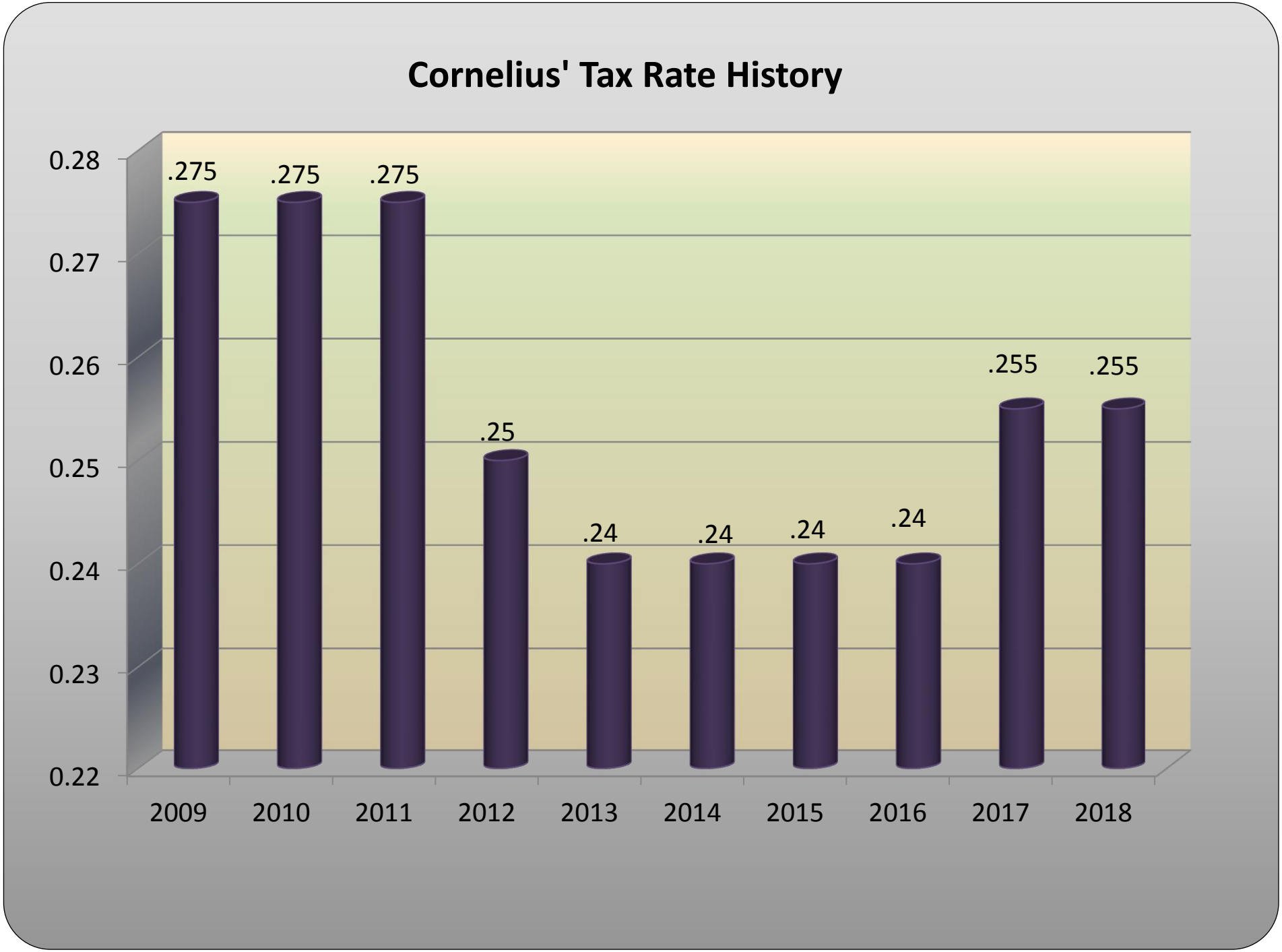
Town of Cornelius

Financial Condition

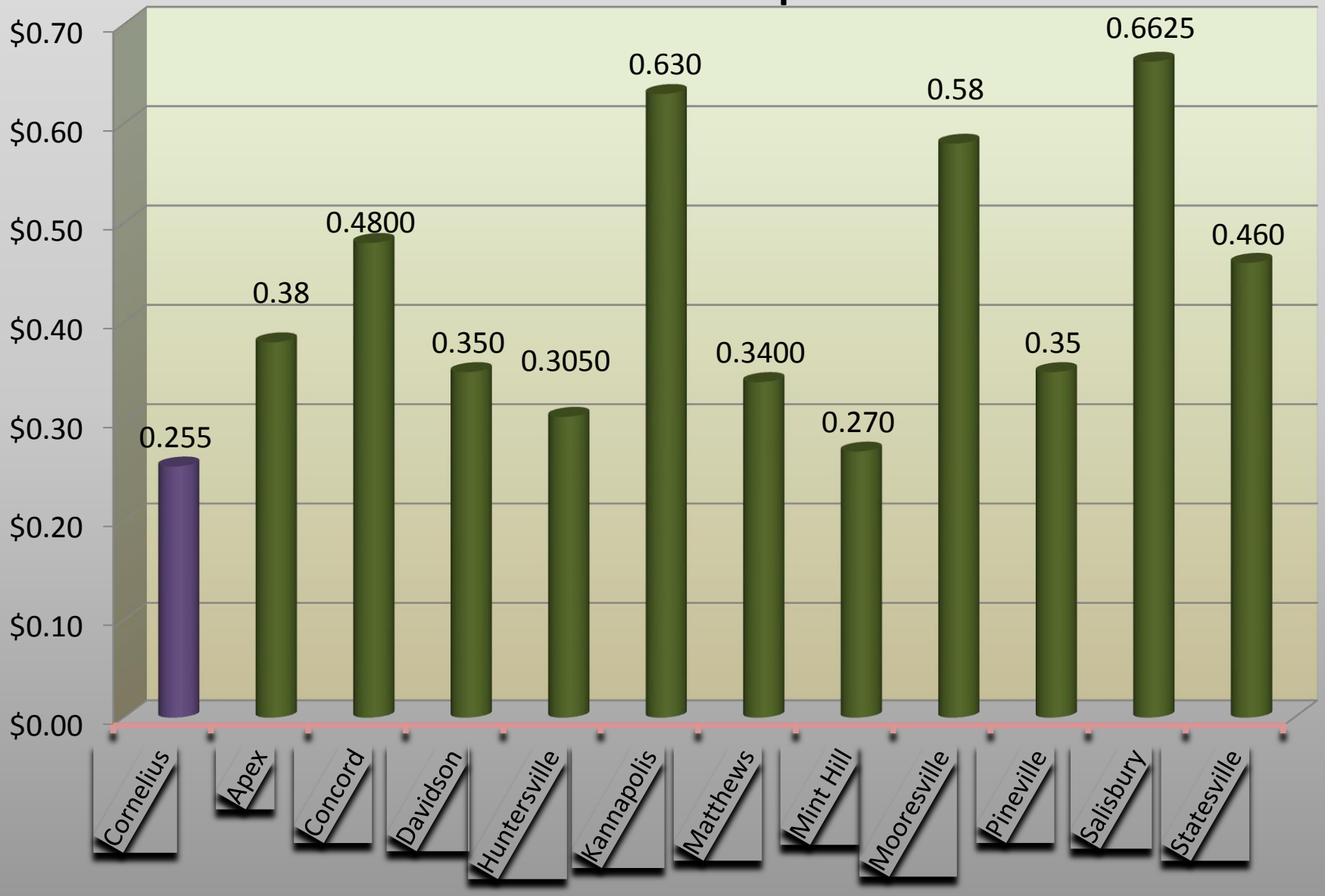
Presented by Julie Niswonger

Items to be Discussed:

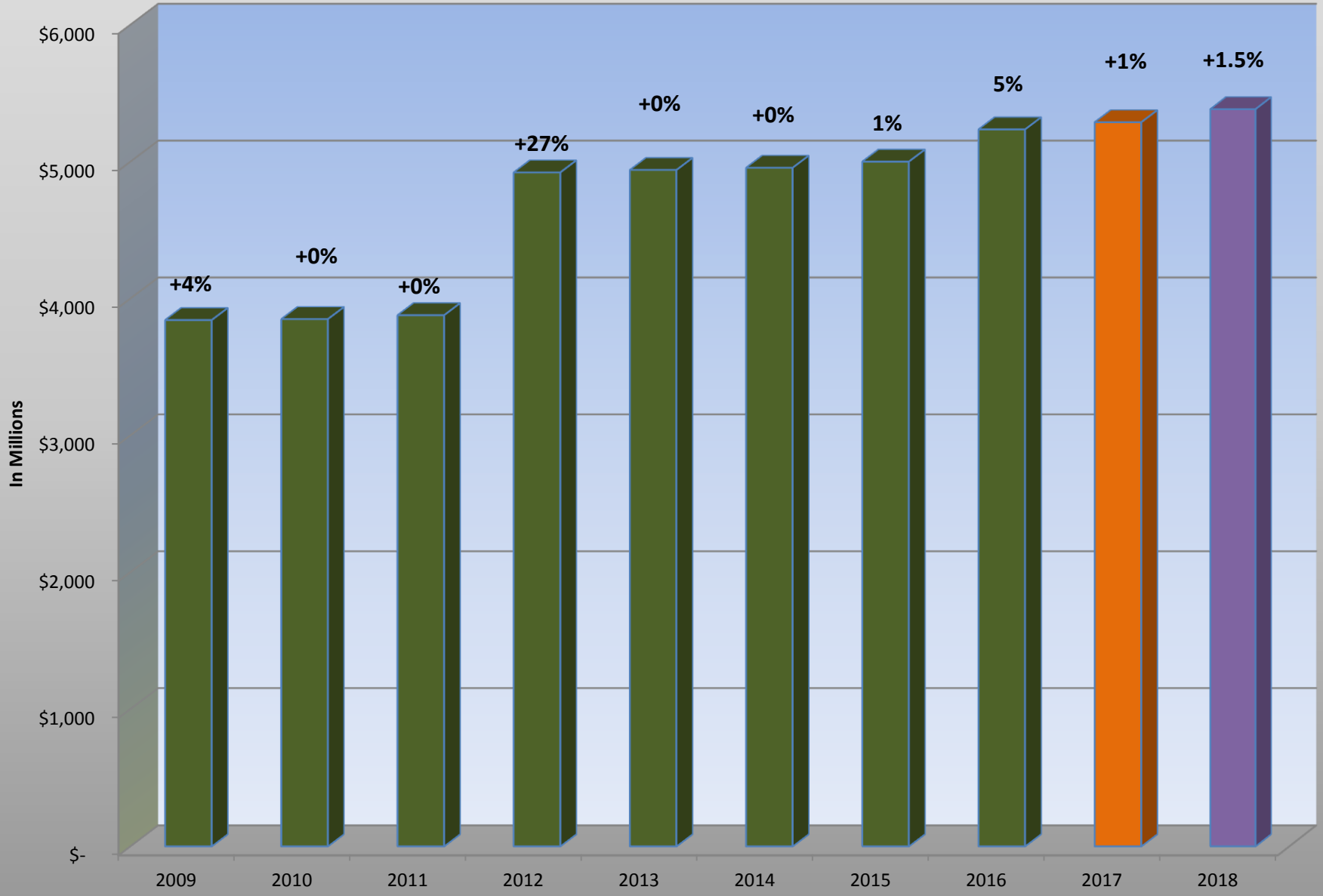
- Taxes
- Revenues and Expenditures
- Fund Balance
- Debt
- Town Revenues and Expenditures
- Local economy taxes
- Financial issues remaining in FY 17
- Budget Calendar remaining for FY 18 budget


Cornelius' Tax Rate History
0.28
0.27
0.26
0.25
0.24
0.23
0.22
.275
.275
.275
.25
.24
.24
.24
.24
.255
.255
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018

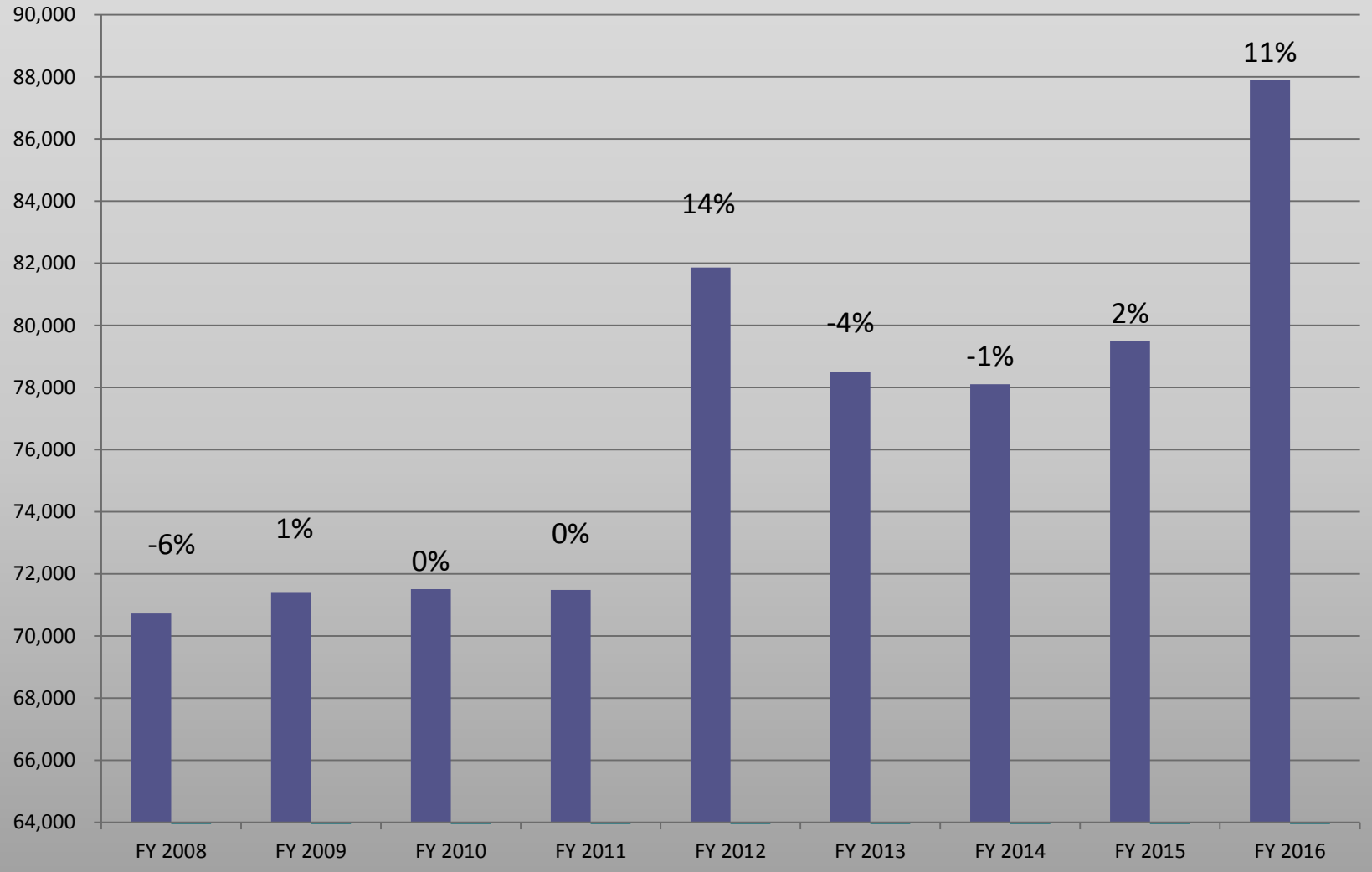
FY 2017 Comparative Tax Rates
How do we compare?



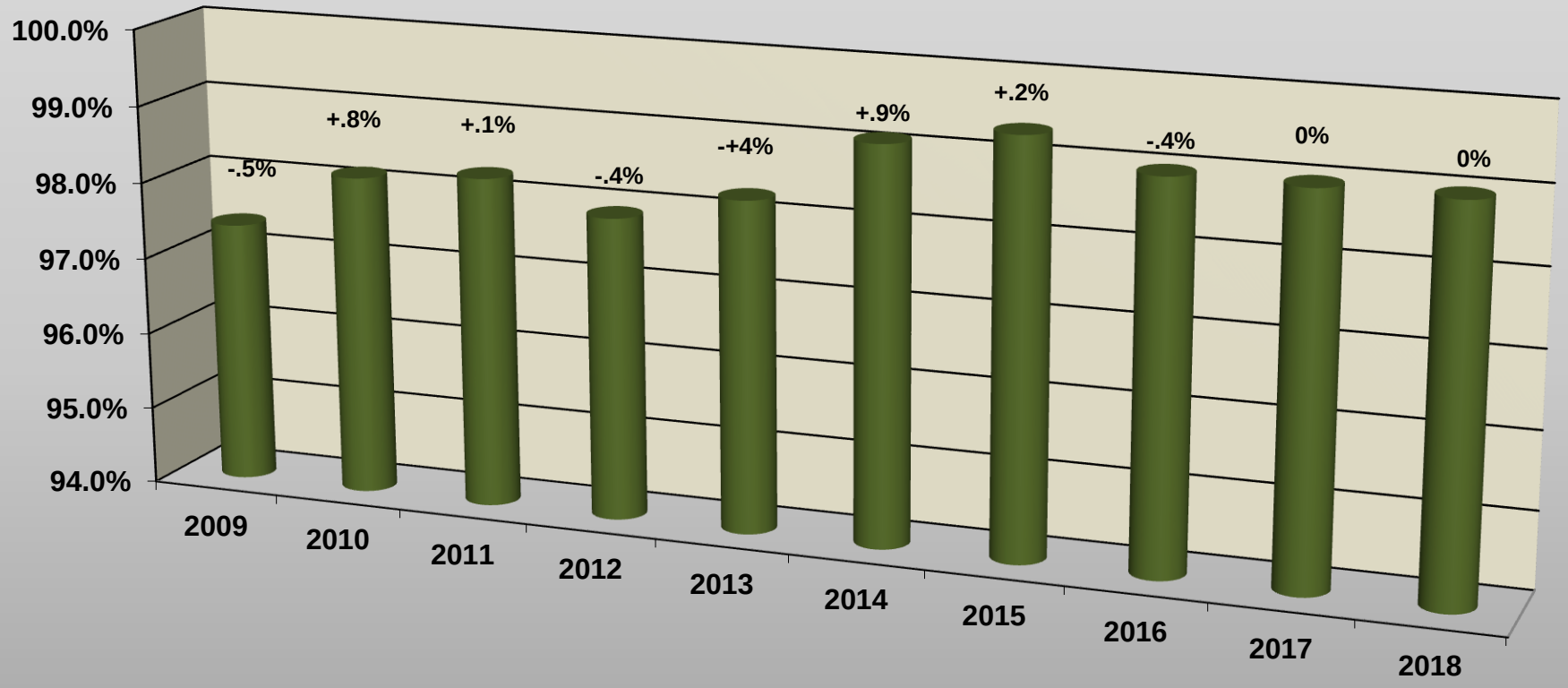
Assessed Value



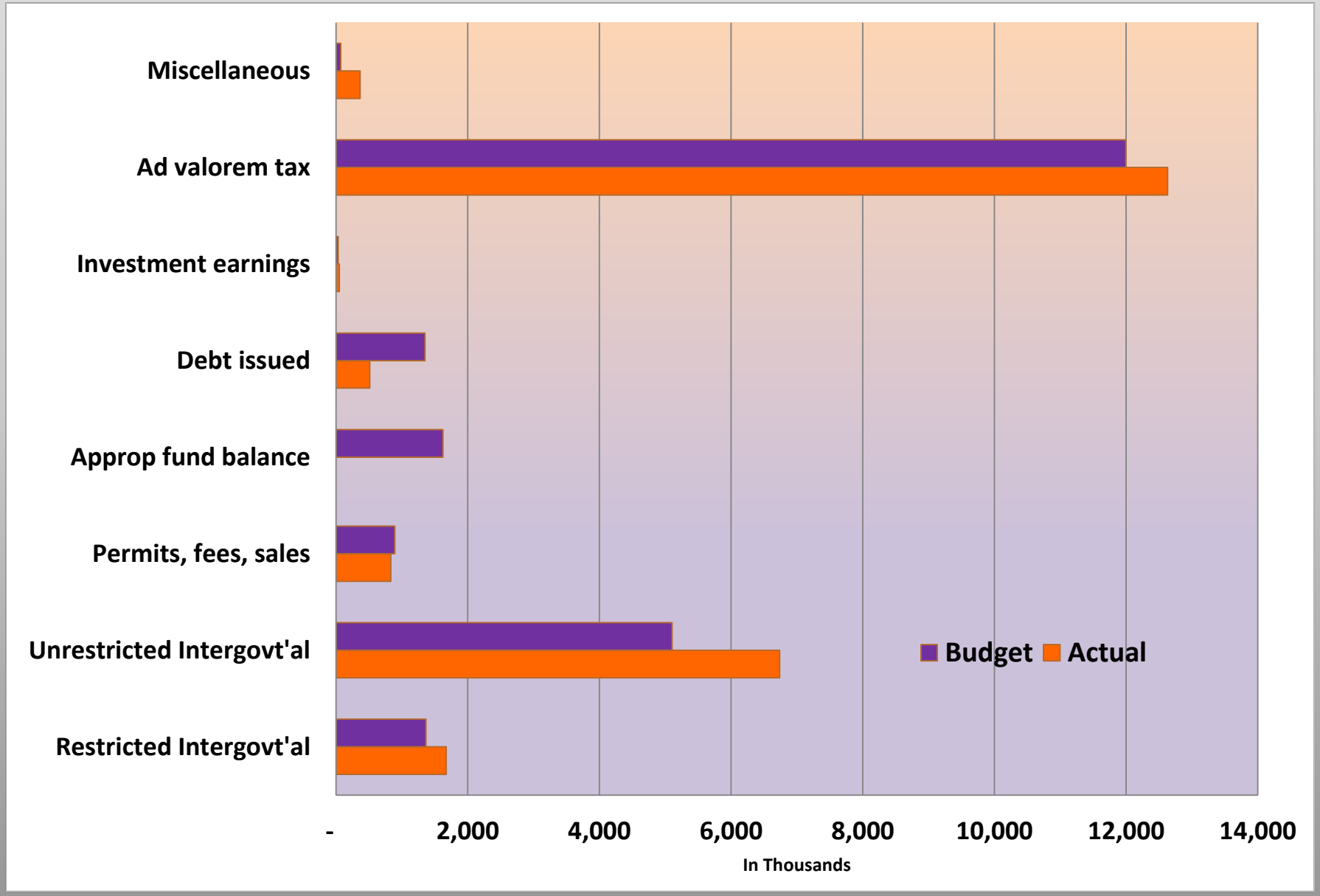
Tax Paid


90,000
88,000
86,000
84,000
82,000
80,000
78,000
76,000
74,000
72,000
70,000
68,000
66,000
64,000
-6%
1%
0%
0%
14%
-4%
-1%
2%
11%
FY 2008
FY 2009
FY 2010
FY 2011
FY 2012
FY 2013
FY 2014
FY 2015
FY 2016

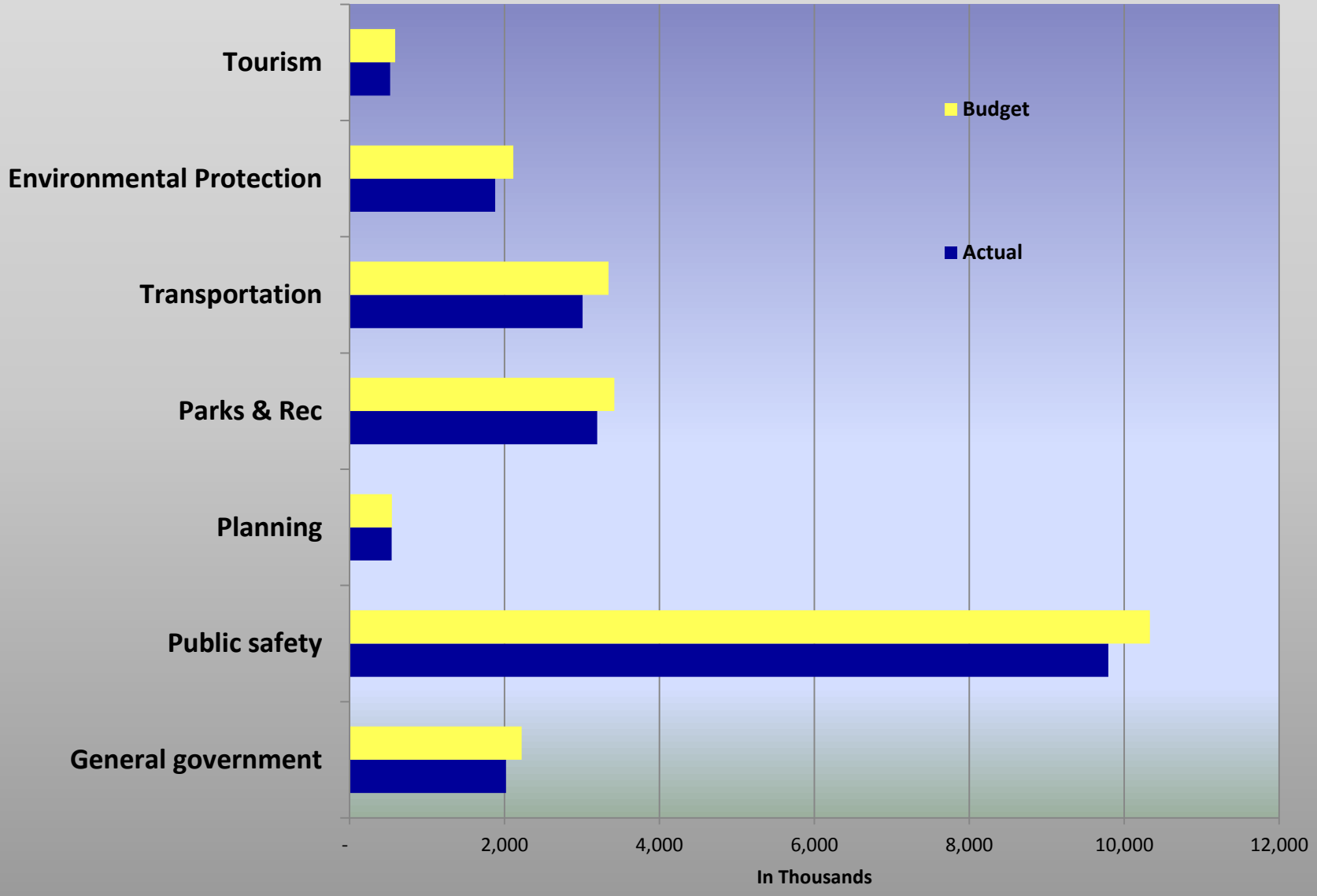
Collection Rate – Year of Levy



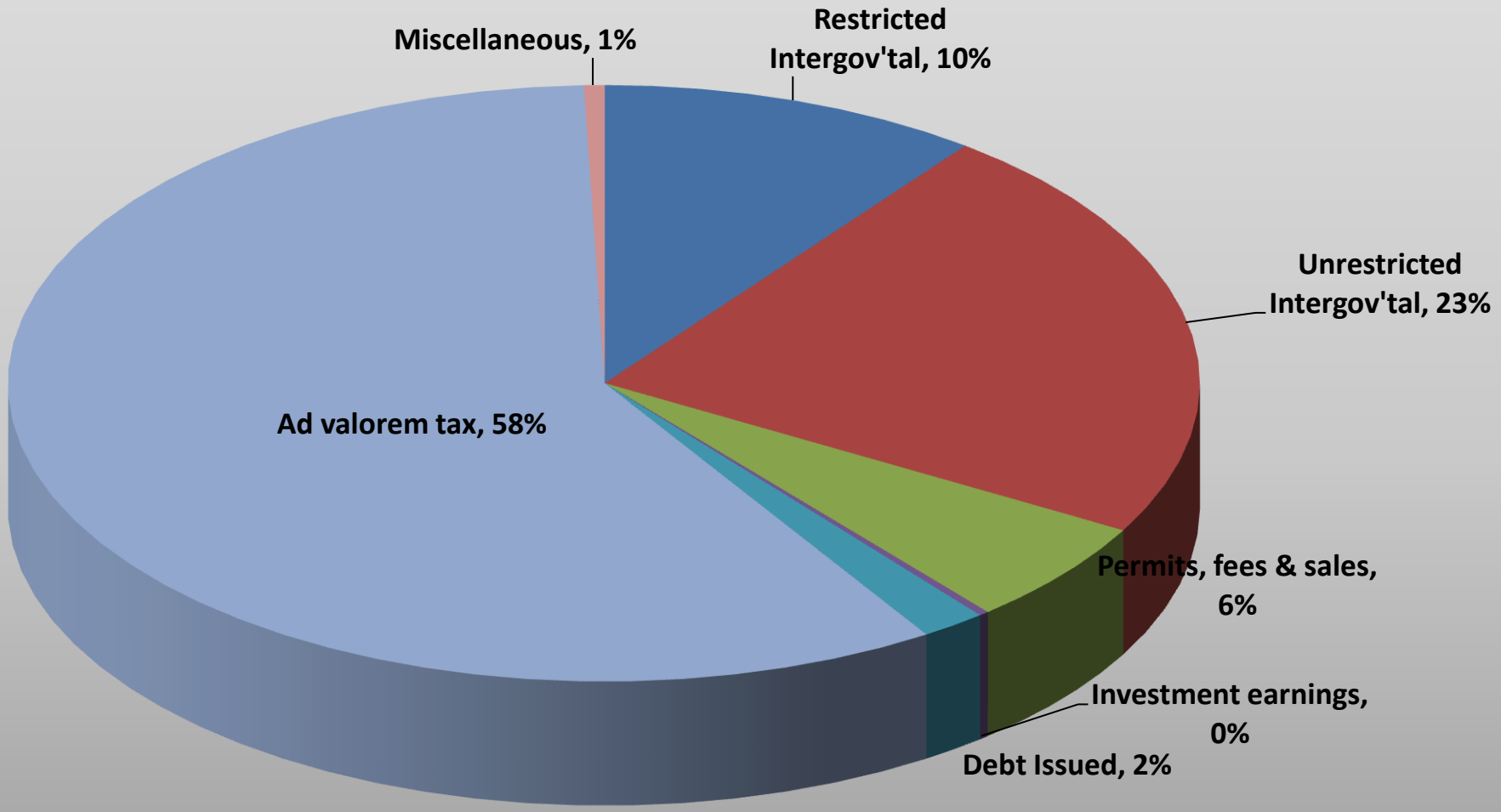
FY 2016 Revenue Bud vs Act



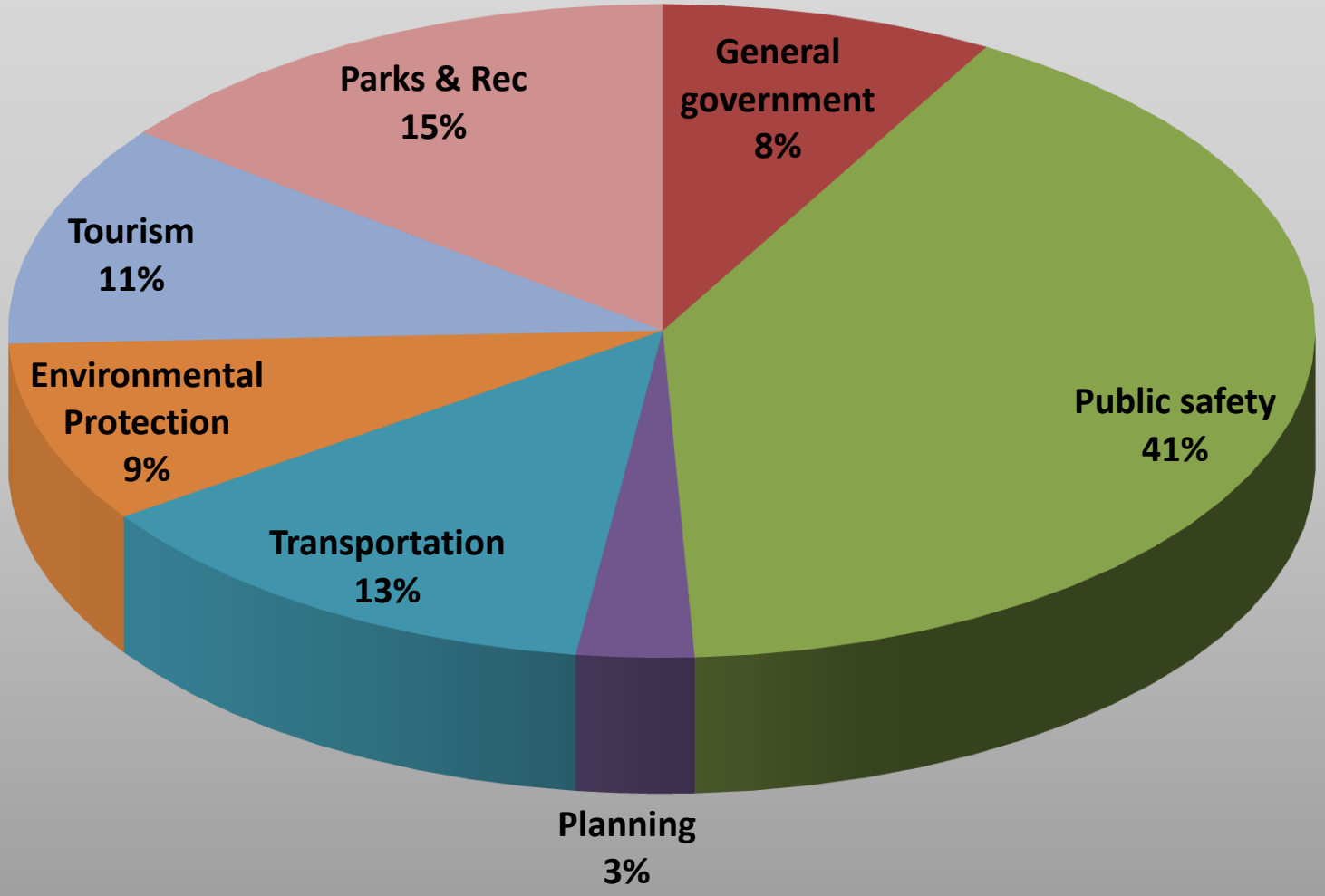
FY 2016 Expenditures Bud vs Act



FY 2017 Revenue Estimated Year End



FY 2017 Expenditures Estimated Year End



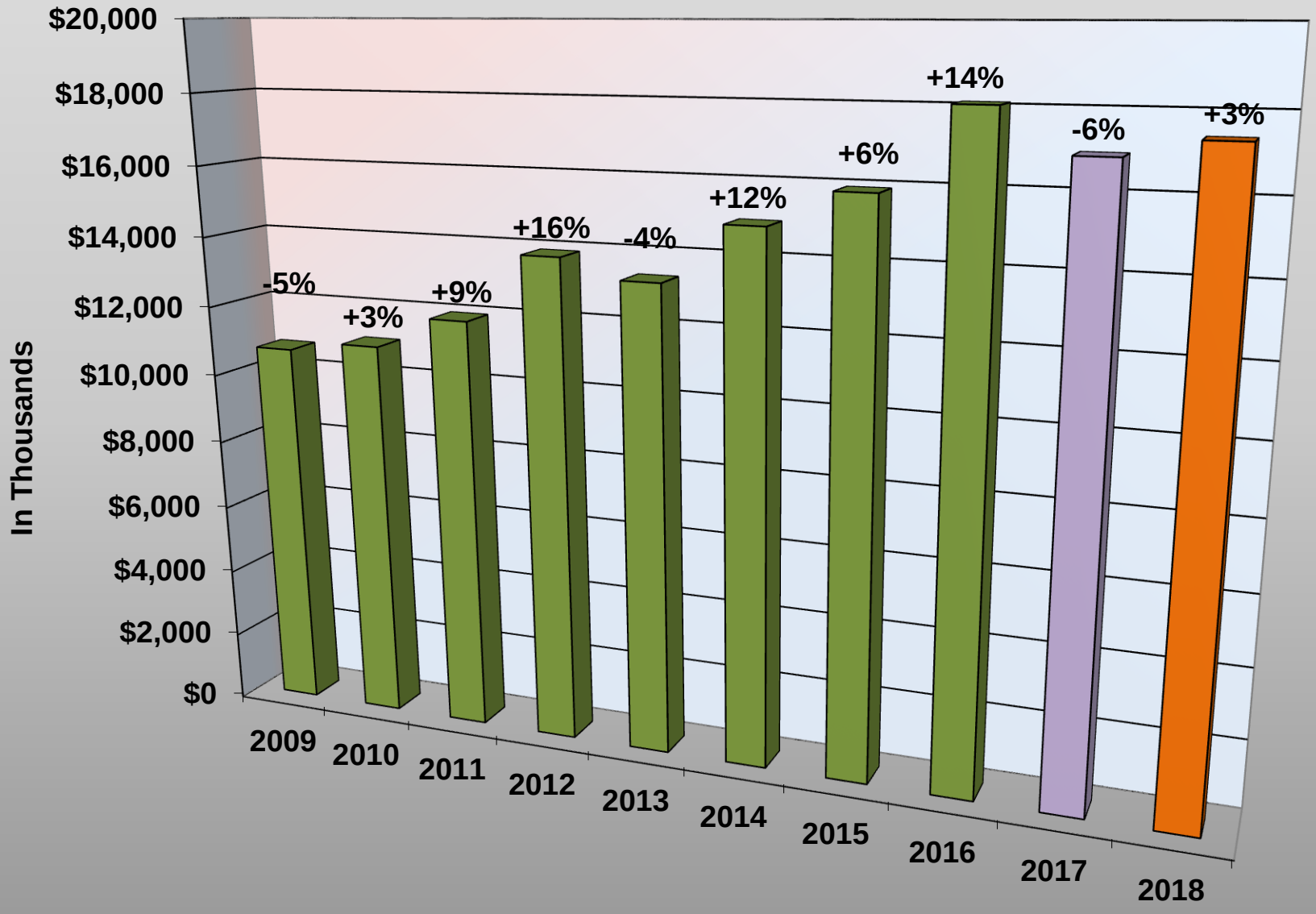
Fund Balance Illustration

Fund Balance	Budget	Actual
+ Revenues	$1,000,000	$1,200,000
-Expenditures	$1,000,000	$750,000
= Fund Balance	-0-	$450,000

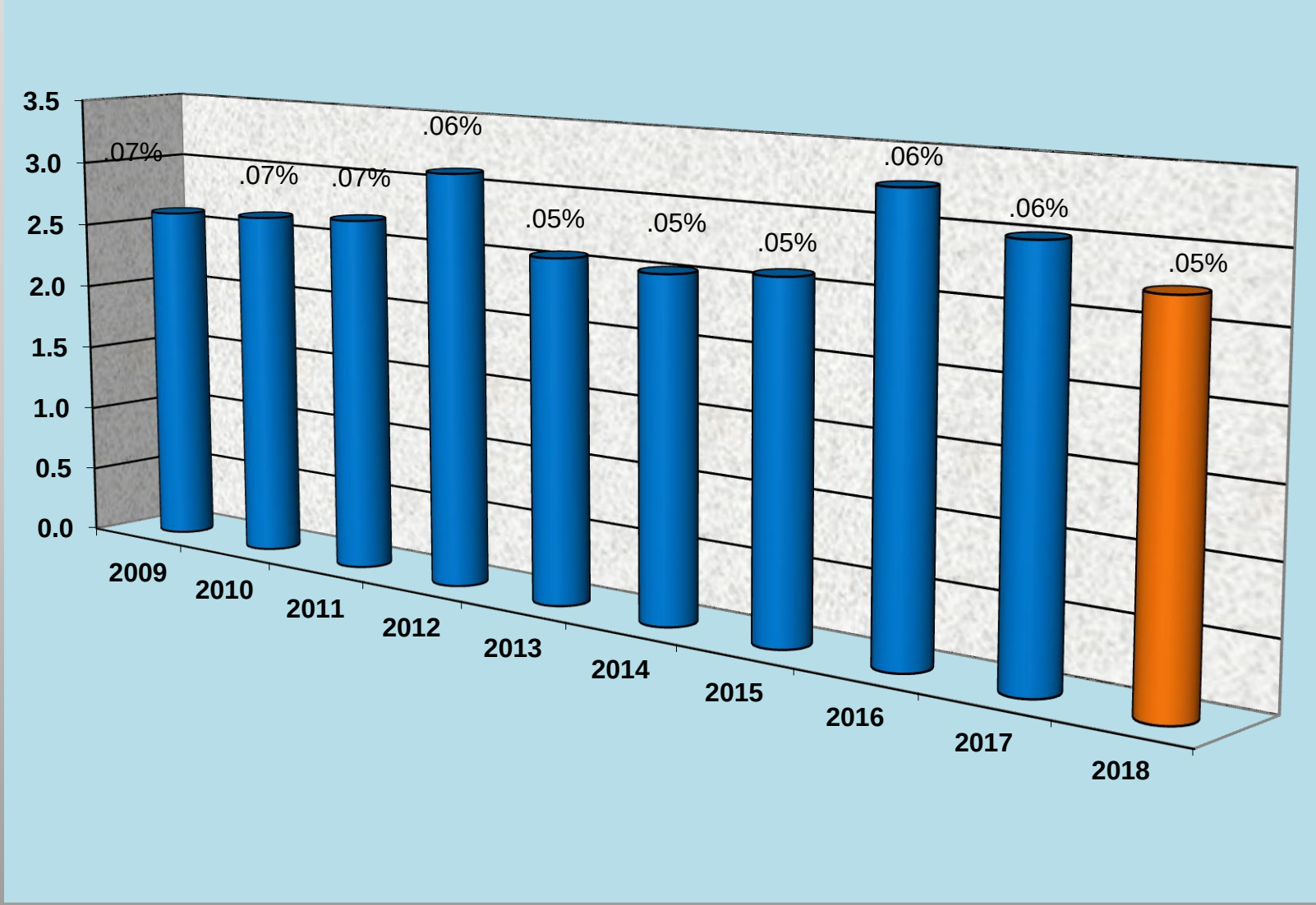
Restrictions to Fund Balance

Purpose	FY 16 Audit	FY 17 EYE
State Statute	$884,912	$1,000,000
Powell Bill	668,949	498,251
Tourism	623,186	-0-
Asset Forfeiture	117,582	100,000
Prepaid items	264,918	300,000
Unassigned	13,315,628	13,669,456
General Fund	$ 15,875,175	$15,567,707
Capital Reserve	$2,198,733	$1,808,733
Total All Sources	$ 18,073,908	$17,376,440

Fund Balance in Dollars



Debt Expenditures



Current Obligations

Collateral	FY 2017 Pmt	Maturity	Rate	O/S Bal 6/30/16
Police, Fire, Parks vehs	$400,254	Various	1.435/1.67 1.88/1.57	$1,108,944
Catawba Ave crossing	$104,142	Sept 2016	3.75%	$104,142
Park bonds	$406,750	April 2018	2.32%	$565,000
Streets	$333,849	July 2018	2.91%	$783,235
Fire air packs	$83,078	June 2019	1.417%	$282,727
Parks	$63,801	Dec 2020	3.59%	$248,850
Synthetic turf	$152,897	Mar 2021	2.02%	$723,677

Current Obligations

Collateral	FY 2017 Pmt	Maturity	Rate	O/S Bal
WAC Pha 2	$185,862	June 2021	2.625%	$825,000
Fire #1	$242,796	Mar 2022	3.7%	$1,200,000
Robbins St pha	$104,197	July 2023	2.79%	$650,000
Robbins ponds	$84,105	June 2023	2.6%	$560,000
2015 Bonds	$739,869	June 2032	2.23%	$9,190,000
Total	$2,901,600			$16,137,523

Debt Outstanding

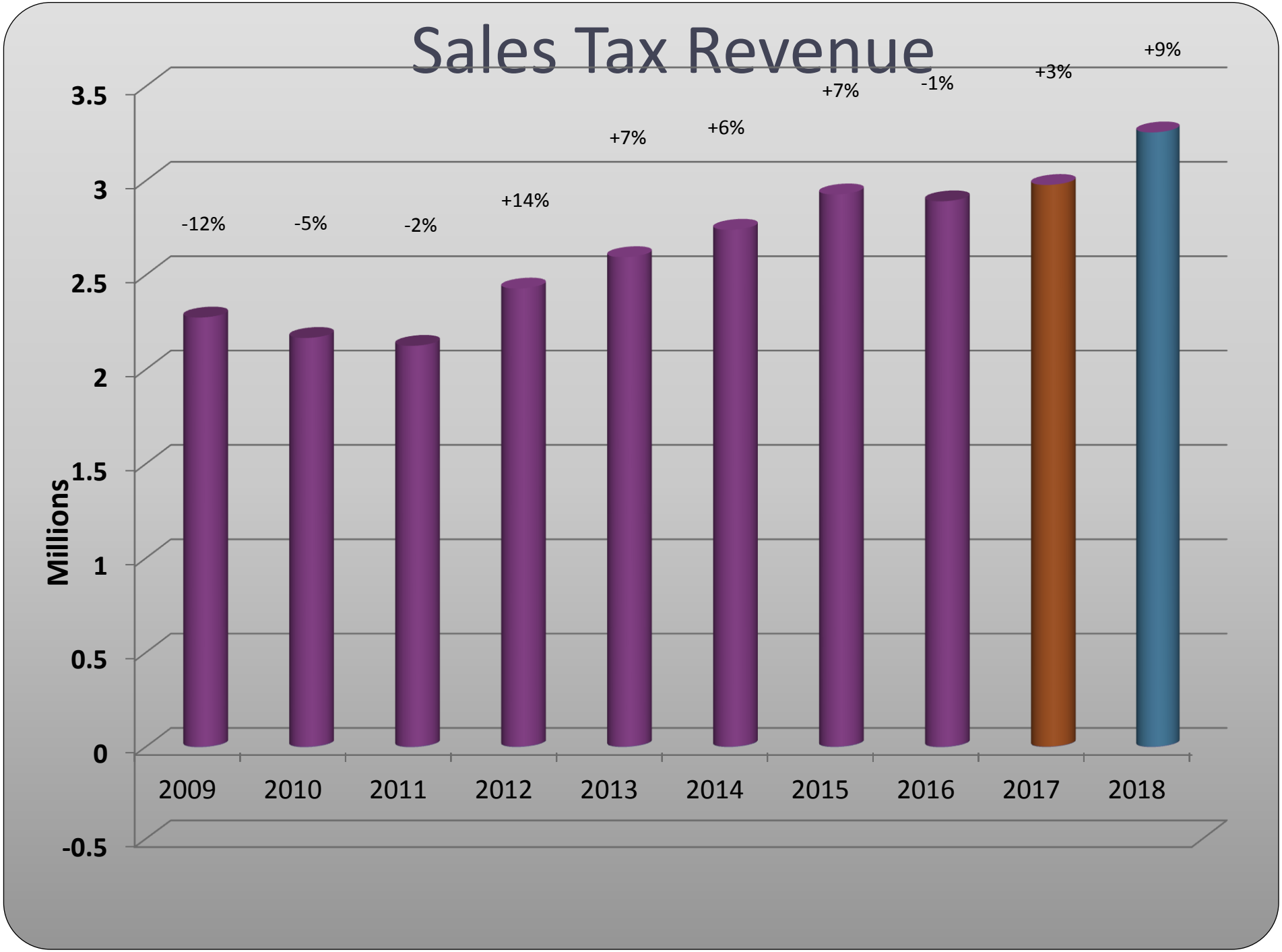
- No debt outstanding at more than 3.70% & 3.59% (allowed to prepay at 1% prepayment penalty of $11,000 and $2,212). The payoff balance of these two loans are $255,603 and $1,114,166. The combined savings in interest is $139,967. We could potentially refinance, however, rates are rising.
- WAC has no prepayment penalty and a rate of 2.63% with an outstanding balance of $791,906.
- Commerce Station loan was discussed at March 6th pre-meeting, and the consensus was to pay off this loan at a rate of 5.19% and remaining balance of $217,598 if paid by April 1st, 2017.

Bonds

- Voters authorized $20.4 million
  - Authority to issue remaining $10.6 million expires November 2020
  - Five year forecast assumes remaining bonds will be issued in FY 2019
    - $2 million in debt service payments term April – June 2018
  - Can get extension from LGC to issue as late as November 2023
  - The Five Year Forecast reflects a $20 million bond referendum issue in FY 20. If approved, the Town will have two consecutive years of Bond issues.

FY 17 Budget Revs / Exps

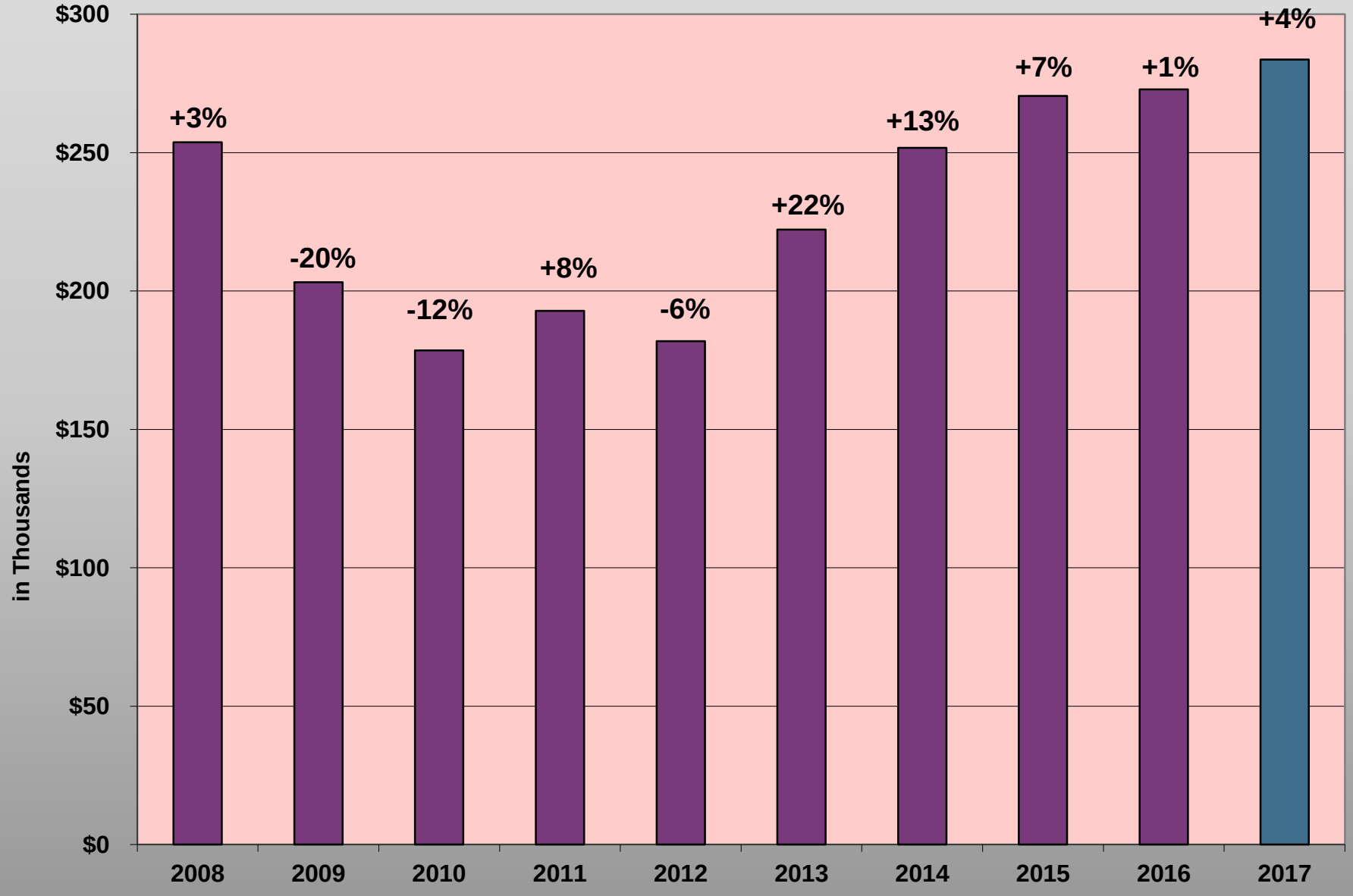
- Interim statements budgeted revenues & expenditures for Jan – March 2017 available in April
- Revenue:
  - Property tax near budget; refunds all but finished with the exception of a minor amount of appeals.
  - Sales tax up 2% over prior year first six months
  - Utility franchise distributions through six months are down 11% from the same time period over FY 16 levels.
- 911 Fund – Possible budget amendment April/May


Sales Tax Revenue
Millions
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
-12%
-5%
-2%
+14%
+7%
+6%
+7%
-1%
+3%
+9%
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018

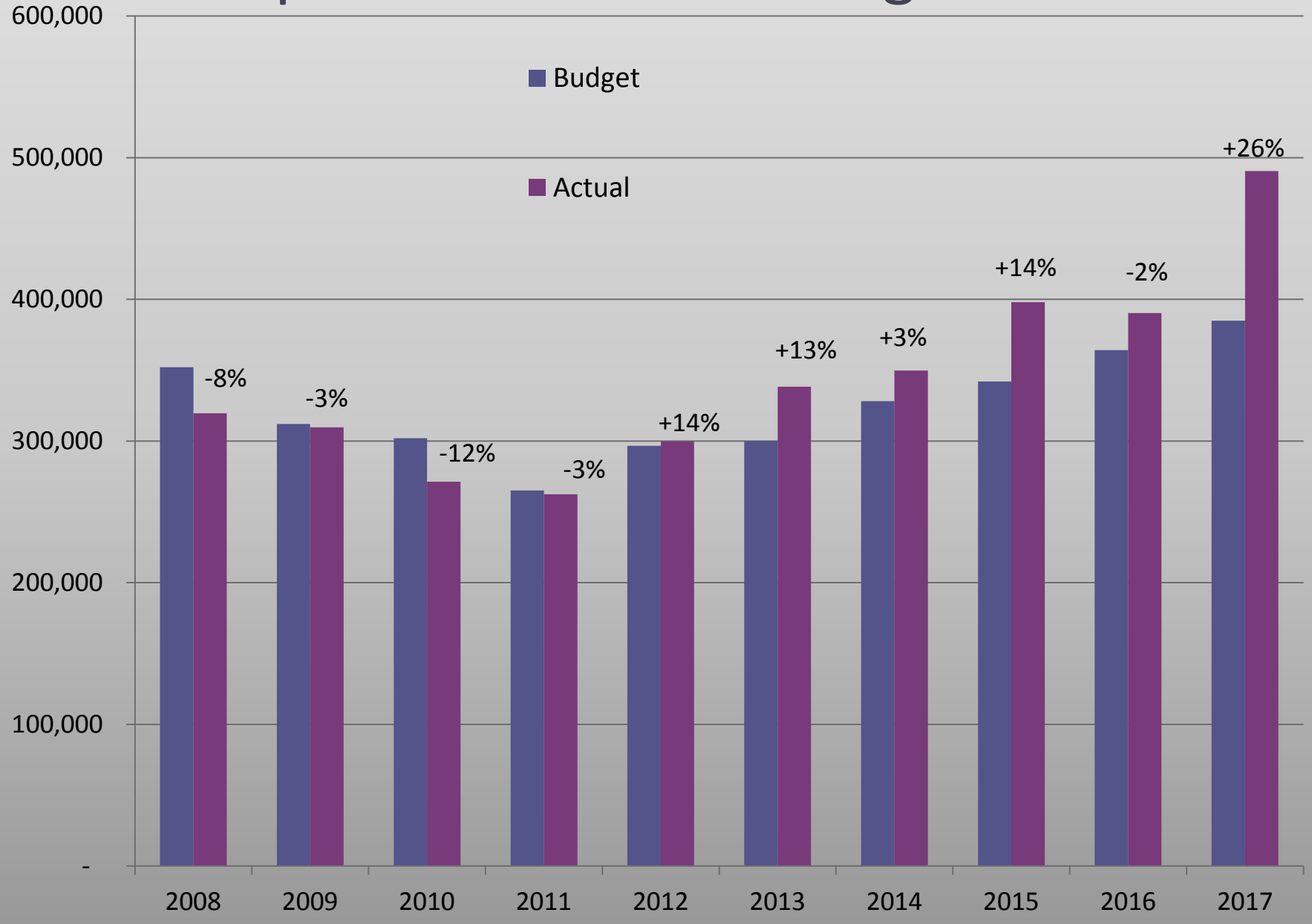
Electric Fund

- Revenues are at 83% of budget as of March 7.
- Expenditures are at 63%, but May and particularly June purchased power invoice have dramatic impact.
- Kathy Moyer will present operating, capital, and rate structure plan in April .

Occupancy Tax



Prepared Food & Beverage Tax



FY 2017 Future Finance Agenda Items

- Budget amendment for 911 telephone system upgrade with 911 funds
- Capital Project Ordinance to construct public works facility
- Issue public works facility debt sometime this spring
- Budget amendment for 9/11 Memorial once all anticipated donations are received

FY 2018 Budget Calendar

- **April -** finalize documents
- **May 2 -** Manager Recommended Budget released
- **May 15 -** Public Hearing
- **June - Adopt**

Questions?

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Julie Niswonger, Finance Director

Action Requested:

FY18 Fixed vs. Discretionary Items

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
80_20.pdf	80/20	Backup Material

Town of Cornelius
Budget Changes Prior Year / Estimated Year End / Next Budget Year
March 7, 2018

	2016 Actual	2017 Est Yr End Changes	%	2017 Est Yr End	2018 Budget Changes	%	2018 Proposed Budget
Personnel							
One Time Items:							
Planning intern (GIS goal)		6,590	0.09%		8,410	0.11%	
Retiree vacation payout		53,000	0.75%		(53,000)	-0.72%	
Subtotal of one-time items		**59,590**	**0.84%**		**(44,590)**	**-0.60%**	
Recurring:							
Merit		182,956	2.57%		185,477	2.51%	
Salary Study		91,266	1.28%		91,266	1.23%	
PARC Maint		40,000	0.56%		-	0.00%	
Increase in health insurance		15,984	0.22%		14,470	0.20%	
PARC Program Assistant		-	0.00%		49,200	0.67%	
Town portion Grant officers		10,727	0.15%		35,000	0.47%	
State raised retirement %		31,076	0.44%		7,671	0.10%	
Employee Turnover		(173,091)	-2.44%		63,921	0.86%	
Convert IT Helpdesk in house		-	0.00%		48,000	0.65%	
PD Records Clerk Admin. Assistant		-	0.00%		46,800	0.63%	
LEO Separation Allowance		26,401	0.37%		38,160	0.52%	
Subtotal of recurring items		**225,319**	**3.17%**		**579,965**	**7.85%**	
Total Personnel	**7,105,350**	**284,909**	**4.01%**	**$7,390,259**	**535,374**	**7.24%**	**$ 7,925,633**
Operating							
One Time Items:							
Police drug/asset forfeiture		7,463	0.10%		(90,500)	-1.12%	
Planning 4194 &4199		108,305	1.48%		(80,320)	-1.00%	
Police equipment goals		42,013	0.57%		(20,000)	-0.25%	
Software data conversion		12,000	0.16%		(20,000)	-0.25%	
JV Washam Gym operations cost		-			14,000	0.17%	
VFD aging equip. replacement/maint.		-	0.00%		10,000	0.12%	
VFD hydraulic tools replacement		-	0.00%		50,000	0.62%	
VFD building maint.		(83,936)	-1.15%		3,000	0.04%	
Employee time tracking system		-	0.00%		5,000	0.06%	
Subtotal of one-time items		**85,845**	**1.17%**		**(128,820)**	**-1.60%**	
Recurring:							
Change in garbage collection costs		247,377	3.38%		93,587	1.16%	
IAR, net of partner		1,974	0.03%		20,000	0.25%	
Increased maintenance costs on RMS		30,000	0.41%		-	0.00%	
Fluctuating gas prices		42,516	0.58%		50,000	0.62%	
PD telecommunications		(19,954)	-0.27%			0.00%	
VFD operating costs/ goals		75,000	1.02%		-	0.00%	
Maintain new parks assets		71,941	0.98%		77,678	0.96%	
Convert attorney to contract		18,572	0.25%		2,346	0.03%	
Convert IT to employee/software diff		-	0.00%		(23,500)	-0.29%	
Gen Govt Prof. Serv.		11,000	0.15%		660	0.01%	
ADA Jenkins increase		5,000	0.07%				
HR Consultant		5,600	0.08%		-	0.00%	
Additional sidewalk & st water maint		32,076	0.44%		23,730	0.29%	
Street light increases		1,535	0.02%		3,000	0.04%	
Gen Govt Tax Collection / bldg maint		-	0.00%		7,779	0.10%	
Art Center		117,106	1.60%		134,643	1.67%	
Special events goal		18,129	0.25%		8,000	0.10%	
Subtotal of recurring items		**657,872**	**8.98%**		**397,923**	**4.93%**	
Total Operating	**7,328,468**	**743,717**	**10.15%**	**8,072,185**	**269,103**	**3.33%**	**8,341,288**

Town of Cornelius
Budget Changes Prior Year / Estimated Year End / Next Budget Year
March 7, 2018

	2016 Actual	2017 Est Yr End Changes	%	2017 Est Yr End	2018 Budget Changes	%	2018 Proposed Budget
Capital							
Police car equipment & grant cars		134,767			80,000		
Police cameras / fiber		65,000			50,000		
St resurfacing / stormwater		700,000			-		
Recurring sidewalks		42,832			300,000		
Computer replacement program		30,000			45,000		
ADA compliance		100,000			-		
Bailey Road Park surfacing & shade		200,233			-		
Parks truck equipment		-			-		
Parks field grooming equip and utility veh		-			40,000		
WTC monument		75,919			-		
Crump Veterans Statue		4,295			-		
Fire bailout gear		24,500			-		
Fire EMS equipment		8,400			-		
Stream Restoration-Willow Pond					30,000		
Hwy 21 improvements & aesthetics		140,000			250,000		
DDI Aesthetics		306,040			-		
Public Works tractor / truck		-			-		
Northcross Drive Ext		100,000			289,000		
JV Washam Greenway/Smithville					560,000		
Art Center land		1,502,160			-		
Splash pad		2,786			-		
Total Capital	**1,121,463**	**3,436,932**			**1,644,000**		
Transfers							
911 Fund	**-**	-			**-**		
DDI Design	162,676	-			390,000		
Total Transfers	**162,676**	**-**			**390,000**		

REQUEST FOR BOARD ACTION

Print

Date of Meeting: March 8, 2017

To: Mayor and Board of Commissioners

From: Anthony Roberts, Town Manager

Julie Niswonger, Finance Director

Action Requested:

Discuss Budget Directives:

- FY18 Capital Funding
- FY18 Personnel Expenditures
- Tax Rate

Manager's Recommendation:

ATTACHMENTS:		
Name:	Description:	Type:
No Attachments Available		