



CITY OF

ST AUGUSTINE™
EST. 1565

CoSA City Commission

“Public Works Update”

October 28, 2019

Michael G. Cullum, P.E.

Director, Public Works





CITY OF

ST AUGUSTINETM
EST. 1565

Public Works Update Agenda

Key Projects Update

- Paving Program
- North City Water Main Improvements
- Major Projects in Design Phase
- Nights of Lights Preparation

Project Overview

- CIP Overall Status Summary

Completed during FY 2019

Road Name	From	To	Length (linear feet)	Cost
Aletha St	Atlantic	Seminole	775	\$14,332.56
Bravo St.	Sanford	Weeden	332	\$23,906.39
CedarSt	Riberia	Granada St.	731	\$31,943.46
CenterSt	US1	San Marco Ave.	618	\$31,363.73
Charlotte St.	Bridge St.	South St.	2,507	\$48,997.61
DeHavenSt	MLK	Washington St.	651	\$13,088.90
DeHavenSt	Riberia St.	MLK	744	\$16,298.82
DouglasAve	Hildreth Dr.	Macaris St.	1,516	\$30,511.26
Duero St.	MLK Ave.	Twine St.	264	\$29,094.00
Dumas St.	Bridge St.	St. Francis St.	579	\$13,806.14
EParkAv	Park Ave.	Dead End South	1,442	\$44,672.66
Fern	Aletha	Seminole	370	\$17,779.30
Grant St.	Picolata Road	Perpall St.	1,887	\$39,965.98
Keith St.	ML King Ave	Oneida St.	501	\$20,858.17
KingsFerry	Riberia St.	Washington St.	1,233	\$29,603.88
LincolnSt	Riberia St.	Washington St.	1,235	\$31,187.27
Lovett St.	Riberia St.	Washington St.	1,275	\$32,389.74
MacarisSt	San Marco Ave	Rainey Ave	1,725	\$57,232.34
Marine St	Bridge St.	St. Francis St.	840	\$18,075.92
PacificSt	US1	San Marco Ave.	658	\$15,064.72
PomarSt	Riberia St.	ML King Ave	681	\$13,352.55
RaineyAve	E. Park Ave.	Macaris St.	658	\$14,513.16
SanMarcoAv	Picolata Ave.	US1	2,792	\$132,507.37
Seminole Drive	Atlantic Ave	Fern St	991	\$14,332.56
StBenedict	St. Francis St.	DeHaven St.	331	\$17,630.98
WeedenSt	Bravo St.	Bridge St.	319	\$15,841.05
WeedenSt	Bridge St.	DeHaven St.	868	\$15,841.05
Miles Paved:		5.02	\$784,191.57	

Paving Program

Additional Planned, Following Lincolnville Drainage Project

Road Name	From	To	Length (linear feet)	Cost
* Blanco St	Cerro St.	South St.	1,072	\$33,875.20
* Cerro St.	Riberia St.	Oneida St.	996	\$28,319.92
DeSoto Pl.	Granada St	ML King Ave	721	\$22,783.60
* Duero St.	MLK Ave.	Riberia St.	447	\$12,712.68
* Duero St.	Oneida St.	MLK Ave	503	\$14,305.32
* MLKingAve	DeHaven St.	Cerro St.	2,513	\$91,322.42
* Moore St.	Riberia St.	ML King Ave	703	\$19,979.10
* SanfordSt	Bridge St.	Cedar St.	511	\$15,347.73
School St.	Pomar St.	Kings Ferry Way	162	\$5,120.78
* SouthSt	Riberia St.	ML King Ave.	452	\$16,425.68
StFrancisS	Weeden St.	Park	1,228	\$27,478.59
* Twine St.	Lovett St.	Cerro St.	1,559	\$49,270.72
Miles Planned, Following Utility Work:		2.06	\$336,941.74	

* Portions of streets transferred to Lincolnville CDBG project for FY19-20

SUMMARY	
Previously Paved 2014 – 2017:	12.8 miles
Paved FY 2018:	6.4 miles (actual)
Paved FY 2019:	5.02 miles (actual)
Total Miles Paved to Date:	24.22 miles
Additional Planned, Following Lincolnville Drainage Project:	2.06 miles (estimate)
Total Miles, Including Forecast After Completion of Utility Work:	26.28 miles



CITY OF
ST AUGUSTINE
EST. 1565

North City Water Main Improvements

- ❖ SRF Funded; Replace aging, small diameter, cast iron water mains with new, larger mains
- ❖ Construction is on schedule; Estimated final completion December, 2019
- ❖ Installation of new water main is complete
- ❖ Currently abandoning old cast iron water main
- ❖ Next phase of work is to mill and resurface full width of all asphalt streets affected by project





CITY OF
ST AUGUSTINETM
EST. 1565

Major Projects in Design Phase

Design Milestones Achieved This Quarter

- ❖ **Lake Maria Sanchez Stormwater Project**
 - 60% Draft Design, Public Meeting 10/10/19
- ❖ **South Whitney Street Box Culvert and West King Street Flood Mitigation**
 - 60% Design, Coordination with St. Johns County 10/16/19
- ❖ **Hurricane Matthew FEMA Lift Station Rehabilitation (13 stations) CMAR Project**
 - 90% Design

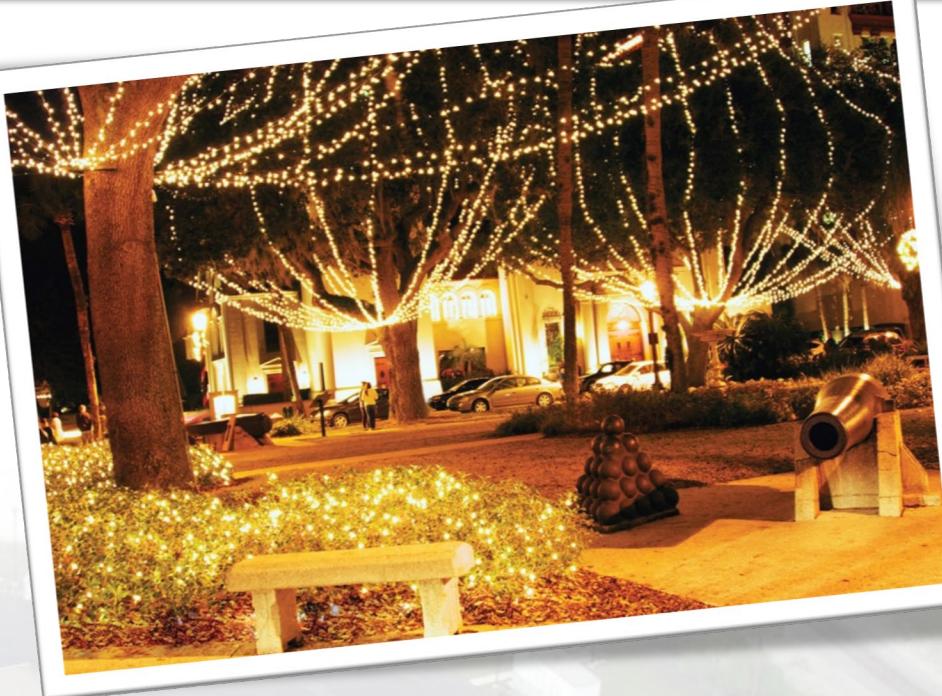


CITY OF
ST AUGUSTINETM
EST. 1565

Nights of Lights Preparation

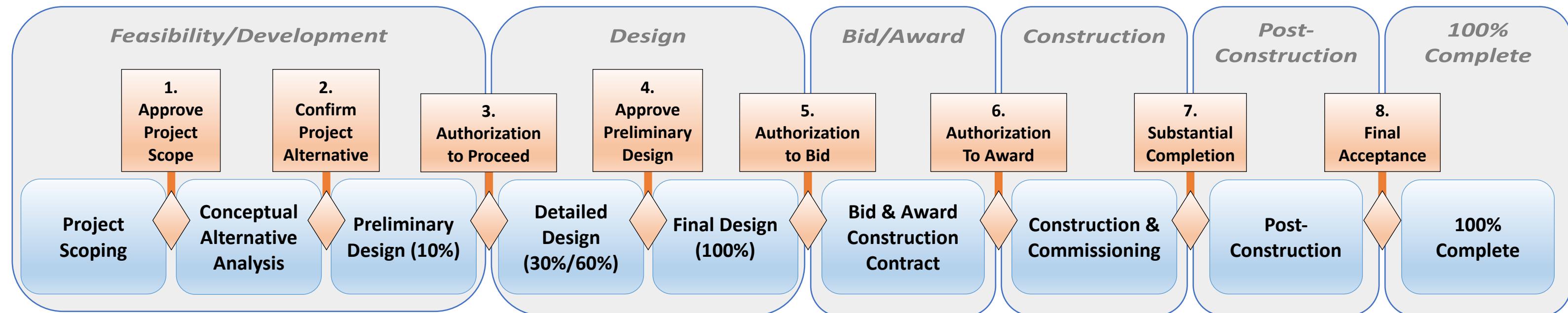
Plaza Electrical Upgrade Project

- ❖ SCOPE OF WORK:
 - ❖ Installed new wiring and connection boxes at all Oak trees and Palm trees
 - ❖ New wiring and connection for the Gazebo and Peoples Market
 - ❖ Replacement of old electrical infrastructure was needed due to damage from storm surge “saltwater intrusion”, and the age of the system
 - ❖ The old system was overloaded, especially during Nights of Lights
 - ❖ The new system demand load will be at maximum level of 60%, even during Nights of lights
- ❖ Project cost: \$33,450
- ❖ Project COMPLETED September 2019, by Heath Electric, Inc.



CIP Overall Status Summary

Design-Bid-Build Active Projects – through October 28, 2019



2020 Paving Projects	Hurricane Irma FEMA LS-2 and LS-51 Rehabilitation	Lift Station 14 Replacement	West 5 th Street Gravity Sewer and Septic to Sewer Connections	LPRO Concentrate Discharge (*)	Clean & Inspect Collection Basins 6 & 23	Lincolnville Drainage – Project 1 ⁽¹⁾ [South St & DeHaven St]	Davis Shores Backflow FSDB Sanitary Sewer Re-Route	2019 Paving Projects
Avenue D Utility Relocation	St. Francis Street Utility Improvements	Sevilla Street Brick Roadway & Utility Improvements	Coquina Park and Stormwater Improvements	Hurricane Matthew FEMA Lift Station Rehabilitation (13 stations) and CMAR Pre-Construction Services (at 90%)	Sanitary Manhole Rehabilitation	Ravenswood Drive Utility Relocation	Clean & Inspect Collection Basins 4, 9, 10, 11 & 22	WTP LPRO Membrane Replacement
Pearl Street Force Main Improvements	Althea/Fern/ Seminole/Atlantic Neighborhood Drainage	Lincolnville Utility & Drainage – Project 3 ⁽¹⁾ [Cerro St & Duero St (portion)]	WWTP Headworks Rehabilitation	Force Main Replacement LS-51 to LS-52	Smoke Testing, Cleanout Repairs, and Manhole Inflow Dish Installation in Multiple Basins	West 2nd Street Gravity Sewer and Septic to Sewer Connections	Macaris Outfalls Resiliency Retrofit	WWTP Clarifier/RAS
San Sebastian River Water Main HDD	WWTP Resiliency Analysis ^{(1) (**)}	Inlet Drive Shoreline Restoration	S. Whitney & W. King Flood Mitigation (at 60%) ⁽¹⁾	City-wide TIDE Valve Master Planning	Clean and CIPP Sanitary Main Segments in Multiple Basins	Wells D-8, D-9, and D-10 Investigation and Repairs		
Fish Island Management Plan	Court Theophelia Neighborhood Drainage	Lake Maria Sanchez Flood Mitigation (at 60%)			Point Repairs in Collection Basins 3, 10, 11, 20 & 52	Pump Station 3 Replacement		
Flood Mitigation at Avenida Menendez Seawall; Bayfront Connectivity ⁽¹⁾						North City Water Main Improvements		
						West Augustine Septic to Sewer Connections		
						Charlotte St. Roadway & Utility Improvements		
						Water Meter Replacements		
						Prawn & Heron Streets Reconstruction ^{(2) (*)}		

Key:

- ⁽¹⁾ Grant Dependent
- ⁽²⁾ Developer Dependent
- (*) Postponed
- (**) Phase Complete



CITY OF

ST AUGUSTINETM
EST. 1565

Additional Questions and Commission Discussion