



CITY OF
ST AUGUSTINE
EST. 1565

CoSA City Commission

“Public Works Update”

October 28, 2019

Michael G. Cullum, P.E.

Director, Public Works





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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



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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





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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



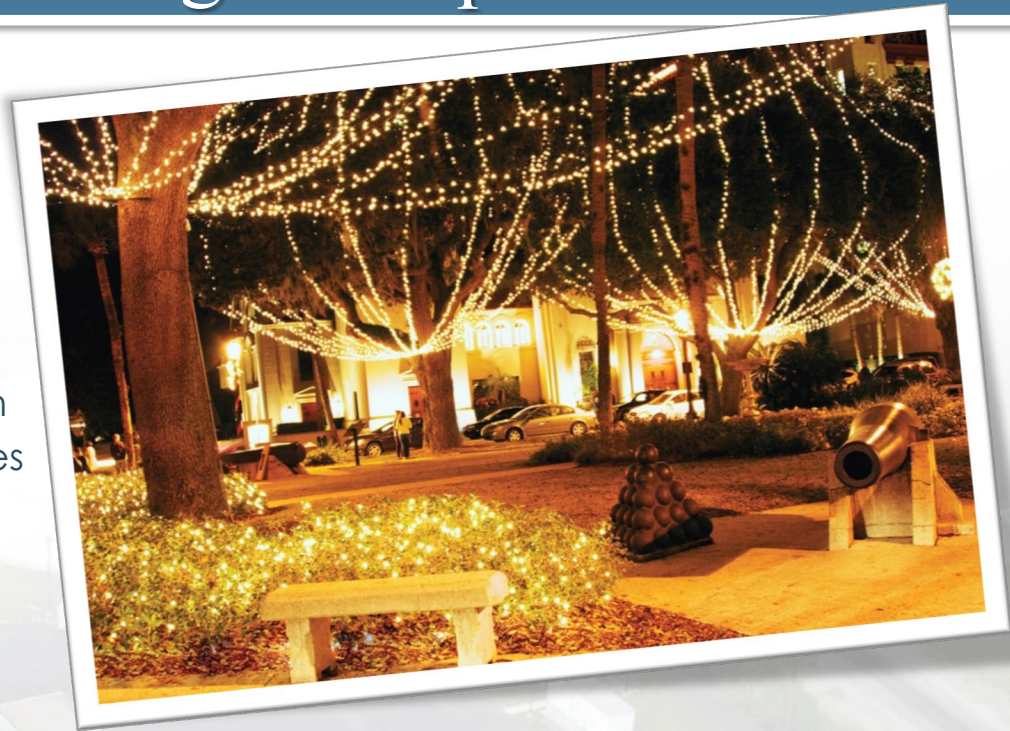
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Nights of Lights Preparation

Plaza Electrical Upgrade Project

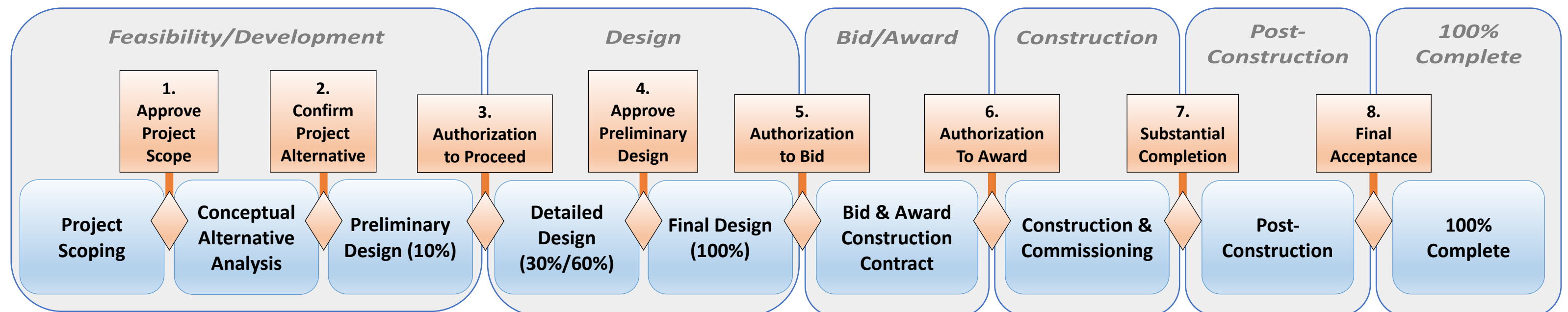
❖ SCOPE OF WORK:

- ❖ 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

Avenue D Utility Relocation
 Pearl Street Force Main Improvements
 San Sebastian River Water Main HDD
 Fish Island Management Plan
 Flood Mitigation at Avenida Menendez Seawall; Bayfront Connectivity ⁽¹⁾

Hurricane Irma FEMA LS-2 and LS-51 Rehabilitation
 St. Francis Street Utility Improvements

Althea/Fern/Seminole/Atlantic Neighborhood Drainage
 WWTP Resiliency Analysis ⁽¹⁾ ^(**)

Lift Station 14 Replacement

Sevilla Street Brick Roadway & Utility Improvements

Lincolnville Utility & Drainage – Project 3 ⁽¹⁾ [Cerro St & Duero St (portion)]

Inlet Drive Shoreline Restoration

Court Theophelia Neighborhood Drainage

West 5th Street Gravity Sewer and Septic to Sewer Connections
 Coquina Park and Stormwater Improvements

WWTP Headworks Rehabilitation

Force Main Replacement LS-51 to LS-52

S. Whitney & W. King Flood Mitigation (at 60%) ⁽¹⁾

Lake Maria Sanchez Flood Mitigation (at 60%)

City-wide TIDE Valve Master Planning

LPRO Concentrate Discharge ^(*)

Hurricane Matthew FEMA Lift Station Rehabilitation (13 stations) and CMAR Pre-Construction Services (at 90%)

Clean & Inspect Collection Basins 6 & 23

Sanitary Manhole Rehabilitation

Smoke Testing, Cleanout Repairs, and Manhole Inflow Dish Installation in Multiple Basins

Clean and CIPP Sanitary Main Segments in Multiple Basins

Point Repairs in Collection Basins 3, 10, 11, 20 & 52

Lincolnville Drainage – Project 1 ⁽¹⁾ [South St & DeHaven St]

Ravenswood Drive Utility Relocation

West 2nd Street Gravity Sewer and Septic to Sewer Connections

Wells D-8, D-9, and D-10 Investigation and Repairs

Pump Station 3 Replacement

North City Water Main Improvements

West Augustine Septic to Sewer Connections

Charlotte St. Roadway & Utility Improvements

Water Meter Replacements

Prawn & Heron Streets Reconstruction ⁽²⁾ ^(*)

Davis Shores Backflow FSDB Sanitary Sewer Re-Route

Clean & Inspect Collection Basins 4, 9, 10, 11 & 22

Macaris Outfalls Resiliency Retrofit

2019 Paving Projects

WTP LPRO Membrane Replacement

WWTP Clarifier/RAS

Key:

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



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Additional Questions and Commission Discussion