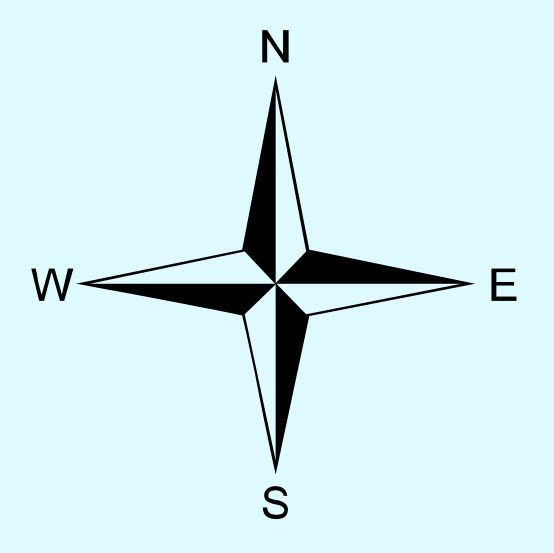


# CITY OF ORMOND BEACH CAPITAL IMPROVEMENT PROJECTS FISCAL YEAR 2018-2019



0 0.5 1 Miles

Prepared By: City of Ormond Beach  
G.I.S. Department 2/26/2019

PROJECT #	PROJECT NAME
308225a	2019 Road Rehab - Resurfacing
308225b	2019 Road Rehab - Microsurfacing
STUDY	56 N Beach Street - Study for Use of Church
409224	A1A Manhole Repair
409232	BWT Reclaimed Water Storage & Pumping Station
CDBG19b	CDBG Project-Ames Park
107158	Coquina Court Drainage
104051	Downtown: Cassen Public Dock
104059	Downtown - Landscape Renovations
104052	Downtown: Rockefeller Gardens Stage Shade Structure
104057	Downtown - Upgrades & Improvements
107153	Fleming Ave Stormdrain Improvements
308101	Forest Hills Trail
116066	Granada Blvd Landscape Beautification
301186	HVAC-Chiller Replacement-City Hall/SONC/The Casements
108076	Heliport Improvements
301243	Landscape Renovations
CDBG19a	Landscape Renovations-CDBG 2019
435044	North US1 Forcemain Extension
434029	North US1 Water Main Improvements
301226	Nova Comm Park Underground Electric
310018	OBSC Girls' Softball Field 7
301242	OBSC Field Lighting
108075	Rehabilitate Runway 8/26
409228	Sanitary Sewer Force Main Upgrades
409179	Sanitary Sewer Inflow/Infiltration 2019
434027	Secondary Raw Water Main
107154	Stormwater Pipe Lining 2019
107161	Stormwater Rebuild
308122	Tomoka Elementary Connector Sidewalk
301244	The Casements North Side Improvement
308121	Williamson Blvd/Hand Ave Pedestrian Impvmts
107151	Wilmette Avenue Pump Station
409207	WTP Lime Slaker & Hypochlorite Feed
409197	WTP Solids Handling Facility Upgrades
409195	WWTP Sludge Dewatering Improvements

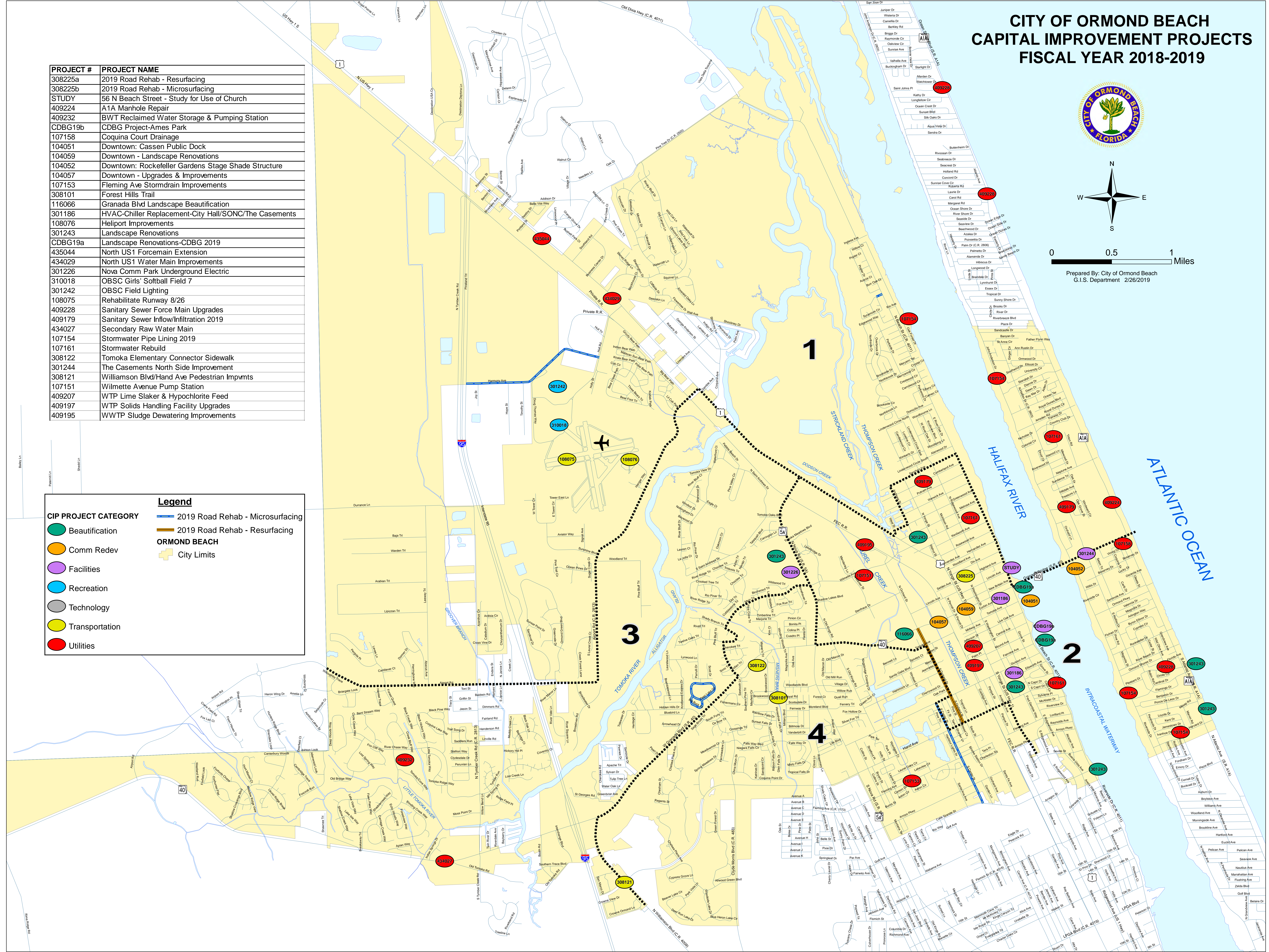
**Legend**

**CIP PROJECT CATEGORY**

- Beautification
- Comm Redevel
- Facilities
- Recreation
- Technology
- Transportation
- Utilities

**ORMOND BEACH**

- 2019 Road Rehab - Microsurfacing
- 2019 Road Rehab - Resurfacing
- City Limits



# City of Ormond Beach - Engineering Division

## Capital Improvement Program Summary

### As of June 30, 2019

		Proposed Project Schedule				
Click Project Title to go to Project Detail Page	Project Manager	Design Begin Date	Design Completion Date	Bid Date	Construction Begin Date	Construction Completion Date
<b>2019 Road Rehabilitation - Microsurfacing</b>	Alex Schumann	Complete	Complete	Complete	Complete	Complete
<b>2019 Roadway Rehabilitation - Resurfacing</b>	Alex Schumann	Complete	Complete	Complete	6/19	9/19
<b>A1A Manhole Repair</b>	Alex Schumann	Complete	Complete	Complete	Complete	Complete
<b>BWT Reclaimed Water Storage &amp; Pumping Station</b>	Shawn Finley	Complete	Complete	Complete	4/19	2/20
<b>CDBG Project-Ames Park</b>	Cara Culliver	Complete	Complete	Complete	7/19	12/19
<b>Coquina Court Drainage</b>	Alex Schumann	Complete	Complete	Complete	Complete	Complete
<b>Downtown: Cassen Park Public Dock</b>	Alex Schumann	Complete	Complete	Complete	6/19	6/20
<b>Downtown: Landscape Renovations</b>	Cara Culliver	Complete	Complete	8/19	11/19	3/20
<b>Downtown: Rockefeller Gardens Stage Shade Structure</b>	Cara Culliver	Complete	Complete	Complete	Complete	Complete
<b>Downtown: Upgrades and Improvements</b>	Cara Culliver	Complete	Complete	Complete	8/19	1/20
<b>Fleming Ave Stormdrain Improvements</b>	Alex Schumann	7/18	9/19	10/19	1/20	10/20
<b>Forest Hills Trail</b>	Shawn Finley	Complete	Complete	Complete	Complete	Complete

**Proposed Project Schedule**

[Click Project Title to go to Project Detail Page](#)

	<b>Project Manager</b>	<b>Design Begin Date</b>	<b>Design Completion Date</b>	<b>Bid Date</b>	<b>Construction Begin Date</b>	<b>Construction Completion Date</b>
<b>Granada Boulevard Landscape Beautification</b>	<b>Cara Culliver</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>10/19</b>	<b>5/20</b>
<b>Heliport Improvements</b>	<b>Finley/Lichliter</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>
<b>HVAC Replacement-City Hall, SONC, The Casements</b>	<b>Lynn Carter</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>9/19</b>	<b>4/20</b>
<b>Landscape Renovations</b>	<b>Cara Culliver</b>	<b>Complete</b>	<b>Complete</b>	<b>8/19</b>	<b>11/19</b>	<b>3/20</b>
<b>Landscape Renovations - CDBG 2019</b>	<b>Cara Culliver</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>7/19</b>	<b>12/19</b>
<b>North US1 Forcemain Extension</b>	<b>Lynn Carter</b>	<b>4/19</b>	<b>10/19</b>	<b>11/19</b>	<b>2/20</b>	<b>11/20</b>
<b>North US1 Water Main Improvements</b>	<b>John Noble</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>1/19</b>	<b>7/19</b>
<b>Nova Community Park Underground Electric Utilities</b>	<b>Lynn Carter</b>	<b>Complete</b>	<b>Complete</b>	<b>7/19</b>	<b>10/19</b>	<b>1/20</b>
<b>OBSC Girls' Softball Field 7</b>	<b>Lynn Carter</b>	<b>Complete</b>	<b>Complete</b>	<b>N/A</b>	<b>TBD</b>	<b>TBD</b>
<b>OBSC Improvements - Baseball Field 3 and Soccer Fields 1-3 Lighting</b>	<b>Lynn Carter</b>	<b>Complete</b>	<b>Complete</b>	<b>N/A</b>	<b>Complete</b>	<b>Complete</b>
<b>Rehabilitate Runway 8/26</b>	<b>Finley/Lichliter</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>
<b>Sanitary Sewer Force Main Upgrades</b>	<b>Alex Schumann</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>4/19</b>	<b>8/19</b>
<b>Sanitary Sewer Inflow/Infiltration FY 18/19</b>	<b>Alex Schumann</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>5/19</b>	<b>12/19</b>
<b>Secondary Raw Water Main</b>	<b>Alex Schumann</b>	<b>6/17</b>	<b>10/19</b>	<b>11/19</b>	<b>2/20</b>	<b>2/21</b>
<b>Stormwater Master Plan Update</b>	<b>Alex Schumann</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>8/19</b>	<b>9/20</b>

**Proposed Project Schedule**

[Click Project Title to go to Project Detail Page](#)

	<b>Project Manager</b>	<b>Design Begin Date</b>	<b>Design Completion Date</b>	<b>Bid Date</b>	<b>Construction Begin Date</b>	<b>Construction Completion Date</b>
<b>Stormwater Pipe Lining FY 18/19</b>	<b>Alex Schumann</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>5/19</b>	<b>12/19</b>
<b>Stormwater Rebuild</b>	<b>Alex Schumann</b>	<b>Complete</b>	<b>Complete</b>	<b>8/19</b>	<b>11/19</b>	<b>3/20</b>
<b>Study for Relocation of PD/EOC</b>	<b>Shawn Finley</b>	<b>3/19</b>	<b>9/19</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Study for Use of Church Property - 56 North Beach Street</b>	<b>Shawn Finley</b>	<b>2/19</b>	<b>8/19</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>The Casements North Side Improvements</b>	<b>Lynn Carter</b>	<b>4/19</b>	<b>8/19</b>	<b>9/19</b>	<b>11/19</b>	<b>5/20</b>
<b>Tomoka Elementary Connector Sidewalk</b>	<b>Shawn Finley</b>	<b>3/19</b>	<b>3/20</b>	<b>4/20</b>	<b>7/20</b>	<b>1/21</b>
<b>Williamson Blvd/Hand Avenue Pedestrian Improvements</b>	<b>Shawn Finley</b>	<b>3/19</b>	<b>3/20</b>	<b>4/20</b>	<b>7/20</b>	<b>1/21</b>
<b>Wilmette Avenue Pump Station</b>	<b>Shawn Finley</b>	<b>Complete</b>	<b>Complete</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
<b>WTP Lime Slaker &amp; Hypochlorite Feed</b>	<b>Alex Schumann</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>8/19</b>	<b>5/20</b>
<b>WTP Solids Handling Facility Upgrades</b>	<b>Lynn Carter</b>	<b>Complete</b>	<b>Complete</b>	<b>7/19</b>	<b>11/19</b>	<b>7/20</b>
<b>WWTP Sludge Dewatering Improvements</b>	<b>Lynn Carter</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>8/19</b>	<b>6/20</b>

# City of Ormond Beach - Engineering Division

## Capital Improvement Program Project Status Report

### As of June 30, 2019

#### Airport Improvements

##### Heliport Improvements

City Project Manager	Finley/Lichliter	Contractor	Halifax Paving
Location	Airport	<b>108076</b>	
Description	Construction of adequate aircraft, ground vehicle, and walkway access to the existing public use heliport.		
Justification	The existing heliport was constructed in 2012 and is surrounded by a grass field which does not provide a paved surface for wheeled helicopters to taxi to and from the helipad, or for helicopters to be towed to and from the helipad. There is also no road access for fuel trucks and service vehicles to access the helipad. This project, to provide public parking, access roads and walkways will complete the development of a fully functional, public use heliport facility.		
Status	Construction is complete.		

#### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

## Airport Improvements

### Rehabilitate Runway 8/26

City Project Manager	Finley/Lichliter	Contractor	Halifax Paving
Location	Airport	<b>108075</b>	
Description	Construction of pavement, electrical and lighting system improvements on Runway 8/26		
Justification	The current runway pavement is beneath the condition the FDOT considers acceptable. New elevated LED lights, conduit, counterpoise, and fixtures will be installed per current FAA Advisory Circular Standards.		
Status	Construction is complete.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

## Beautification

### Granada Boulevard Landscape Beautification

City Project Manager	Cara Culliver	Contractor
Location	Granada Blvd from Orchard Street to I-95	<b>116066</b>
Description	Renovation of existing irrigation system and installation of trees, shrubs, and groundcover in the medians, and along the I-95 entrance and exit ramps. The existing irrigation system battery operated valves/timers, which requires inefficient manual programming, will be replaced with central timers. This will require bringing electrical power to the medians.	
Justification	The project will replace existing diseased East Palatka Holly trees, and the new design will incorporate FDOT bold landscape standards which provides emphasis on planting trees/palms and fewer shrubs to increase curb appeal. Shrubs and groundcover used will be centralized and planted within the middle of the medians to provide ease of maintenance.	
Status	Design is complete and approved by FDOT. Bids were opened on May 21. Staff is working with Utilities Division to utilize reuse water rather than potable water for the irrigation system. Bid award is	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	10/19
Complete Design	Complete	Complete Construction	5/20
Bid Project	Complete		

## Beautification

### Landscape Renovations

City Project Manager	Cara Culliver	Contractor
Location	Various Locations	<b>301243</b>
Description	Replacement of trees, shrubs, groundcovers, and sod damaged by Hurricanes Matthew and Irma at Andy Romano Beachfront Park, Granada Streetscape, Nova Community Park, Performing Arts Center, and South Ormond Neighborhood Center.	
Justification	Most of the landscaping damaged by the Hurricanes Matthew/Irma was removed but not replaced, and most of these locations have not had any significant landscape renovations since the 2004 Hurricanes.	
Status	Design is complete and the project is scheduled to be bid in August.	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	11/19
Complete Design	Complete	Complete Construction	3/20
Bid Project	8/19		



## Beautification

### Landscape Renovations - CDBG 2019

City Project Manager	Cara Culliver	Contractor	Verdego Landscape
Location	Various Locations	<b>CDB19A</b>	
Description	Installation of trees, shrubs, groundcovers, and sod damaged by Hurricanes Matthew and Irma at Ames Park, Bailey Riverbridge Gardens, and Cassen Park.		
Justification	Most of the landscaping damaged by the Hurricanes Matthew/Irma was removed but not replaced, and most of these locations have not had any significant landscape renovations since the 2004 Hurricanes.		
Status	Bid awarded at May 7 City Commission meeting. Construction scheduled to begin in July.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	7/19
Complete Design	Complete	Complete Construction	12/19
Bid Project	Complete		

## Community Redevelopment

### Downtown: Cassen Park Public Dock

City Project Manager	Alex Schumann	Contractor	Brance Diversified Inc
Location	Cassen Park	<b>104051</b>	
Description	Construction of a public dock adjacent to the fishing pier at Cassen Park.		
Justification	Currently, there are no public docks in the Downtown area that would enable large boats to dock. Ormond Mainstreet has requested the City to consider constructing a docking area adjacent to the south edge of the existing fishing pier. Boats that dock there would then be able to visit the Downtown area restaurants, stores, and historical sites.		
Status	A Pre-Construction meeting was held on May 23, and Notice to Proceed issued on June 3. All pilings are set, waiting on dredging and docks.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	6/19
Complete Design	Complete	Complete Construction	6/20
Bid Project	Complete		

## Community Redevelopment

### Downtown: Landscape Renovations

City Project Manager	Cara Culliver	Contractor
Location	Various Locations in the TIF District	<b>104059</b>
Description	Installation of trees, shrubs, groundcovers, and sod damaged by Hurricanes Matthew and Irma at Fortunato Park, Rockefeller Gardens, the Granada Beach Approach, and Birthplace of Speed Park.	
Justification	Most of the landscaping damaged by the Hurricanes Matthew/Irma was removed but not replaced, and most of these locations have not had any significant landscape renovations since the 2004 Hurricanes.	
Status	Design is complete and the project is scheduled to be bid in August.	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	11/19
Complete Design	Complete	Complete Construction	3/20
Bid Project	8/19		

## Community Redevelopment

### Downtown: Rockefeller Gardens Stage Shade Structure

City Project Manager	Cara Culliver	Contractor	Hall Construction
Location	Rockefeller Gardens	<b>104052</b>	
Description	Design and construction of a fabric shade cover at the main stage area at Rockefeller Gardens.		
Justification	The stage area host numerous events throughout the year and providing protection from the sun would be relief to those performing on stage during the hot summer months.		
Status	The project is complete.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

## Community Redevelopment

### Downtown: Upgrades and Improvements

City Project Manager	Cara Culliver	Contractor
Location	Downtown CRA District	<b>104057</b>
Description	Memorial Gardens retaining wall and lighting upgrades, additional wayfinding signage, and Granada Blvd. median landscape upgrades.	
Justification	The 2007 Downtown Master Plan identified the need to retain, replace, and/or upgrade public infrastructure and hardscape improvements invested in the City's Downtown/CRA District.	
Status	Memorial Gardens retaining wall project bids were opened on June 11. Bid Award is scheduled for July.	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	8/19
Complete Design	Complete	Complete Construction	1/20
Bid Project	Complete		

## Facility Const/Renovation

### CDBG Project-Ames Park

City Project Manager	Cara Culliver	Contractor	Verdego Landscape
Location	CDBG District - Ames Park	<b>CDB19B</b>	
Description	Installation of concrete parking stalls and curbs at the Ames Park southern parking lot.		
Justification	The Neighborhood Improvement Advisory Board (NIAB) recommended/approved funding to replace the shell parking surface and railroad ties. These improvements will improve the look of the parking lot and improve safety/stability of visitors entering/exiting their vehicles.		
Status	Bid awarded at May 7 City Commission meeting. Construction scheduled to begin in July.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	7/19
Complete Design	Complete	Complete Construction	12/19
Bid Project	Complete		

## Facility Const/Renovation

### HVAC Replacement-City Hall, SONC, The Casements

City Project Manager	Lynn Carter	Contractor	Air Mechanical Service Corp
Location	City Hall, SONC, The Casements	<b>301186</b>	
Description	To replace the VAV terminal strips throughout City Hall, replace the HVAC system in the SONC gymnasium, and replace the 20 Ton HVAC and Heat Pump Units at The Casements.		
Justification	An assessment of the City Hall chiller system recommended replacement of the chiller and associated components over 5 years. Phase 1 replaced the main chiller unit, and phase 2 replaced the pumps and control panel. Upon completion of this third phase, phase 4 will include the replacement of the air handling units and front end controls. The SONC gym's existing HVAC system is over 20 years old and has met its life expectancy requiring replacement.. The Casements 20 Ton HVAC and Heat Pump units are 15 and 17 years old, have met their life expectancy and require replacement.		
Status	Bid was awarded at the May 21 City Commission meeting. Contracts are being executed, and a Pre Construction meeting is scheduled for July 24th.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	9/19
Complete Design	Complete	Complete Construction	4/20
Bid Project	Complete		

## Facility Const/Renovation

### Study for Relocation of PD/EOC

City Project Manager	Shawn Finley	Contractor
Location		
Description	A study to investigate potential alternate locations for a new Police Station/Emergency Operations Center.	
Justification	The current Police Station also serves as the Emergency Operations Center for the City during emergency events, such as Hurricanes. The Police Station's location is within the storm surge limits and will not be able to be manned in a Category 3 or higher Hurricane. Therefore it makes sense to relocate this important facility that is manned 24 hours to a safer location to ensure its operation remains viable during and throughout an emergency event.	
Status	Consultant is preparing background information and investigating potential sites.	

### Proposed Project Schedule

Begin Design	3/19	Begin Construction	N/A
Complete Design	9/19	Complete Construction	N/A
Bid Project	N/A		



## Facility Const/Renovation

### Study for Use of Church Property - 56 North Beach Street

City Project Manager	Shawn Finley	Contractor
Location		
Description	A study to investigate development of the site formerly occupied by the Ormond Beach Riverside Church, for use as a Civic Center.	
Justification	The City Commission authorized the purchase of the property in May 2018 with the intention of redeveloping the site for future use as a Civic Center. The purchase was based on limited visual inspection of the site and buildings. This study will look at other similar sized Civic Centers in the area to identify programming and space considerations, and using the information will develop concepts that will consider remodel./repurposing the existing structure or demolition. Public participation will be part of the decision making process.	
Status	Conceptual plans have been submitted and are under review.	

### Proposed Project Schedule

Begin Design	2/19	Begin Construction	N/A
Complete Design	8/19	Complete Construction	N/A
Bid Project	N/A		

## Facility Const/Renovation

### The Casements North Side Improvements

City Project Manager	Lynn Carter	Contractor
Location	The Casements	<b>301244</b>
Description	Construction of an addition to the Carriage House, replacement of the northern driveway with pavers, and drainage modifications at the Porte-Cochere area.	
Justification	The Casements Guild has requested additional storage for event equipment and to improve the worn, existing driveway with decorative pavers.	
Status	Design is in progress.	

### Proposed Project Schedule

Begin Design	4/19	Begin Construction	11/19
Complete Design	8/19	Complete Construction	5/20
Bid Project	9/19		

## Recreation & Cultural Facility Improvements

### OBSC Improvements - Baseball Field 3 and Soccer Fields 1-3 Lighting

City Project Manager	Lynn Carter	Contractor	AM Weigel Construction
Location	Ormond Beach Sports Complex	<b>301242</b>	
Description	Installation of LED lighting for baseball field #3 and Softball Fields 1, 2 and 3.		
Justification	Baseball field 3 is the only remaining unlit Wendelstedt premier playing field. The Musco LED lighting comes with a 25 year guarantee and will provide efficient and cost effective lighting which will be beneficial to the soccer programs and will be an asset in obtaining future baseball and soccer field rentals.		
Status	The project is complete.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	N/A		

## Recreation/Cultural Facility Improvements

### Nova Community Park Underground Electric Utilities

City Project Manager	Lynn Carter	Contractor
Location	Nova Community Park	<b>301226</b>
Description	Install underground electric utilities between fields 2 and 3.	
Justification	This is the last overhead electric line remaining in the interior of the Park. Undergrounding this line will increase reliability and provide increased safety as this location is heavily populated when fields 2 and 3 are in use.	
Status	Bid opening was June 12, however no bids were received. The project will be re-bid in July.	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	10/19
Complete Design	Complete	Complete Construction	1/20
Bid Project	7/19		

## Recreation/Cultural Facility Improvements

### OBSC Girls' Softball Field 7

City Project Manager	Lynn Carter	Contractor
Location	Ormond Beach Sports Complex	<b>310018</b>
Description	To convert existing men's recreational softball field #7 to a Championship Girls' softball field.	
Justification	The new field will be beneficial to all girls' softball programming, including recreational league, high school league, and competitive league, and for girls' softball tournaments.	
Status	Project is being value engineered to meet available budget.	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	TBD
Complete Design	Complete	Complete Construction	TBD
Bid Project	N/A		

**Stormwater Improvements**

**Coquina Court Drainage**

City Project Manager	Alex Schumann	Contractor	Hazen Construction
Location	Coquina Court	<b>107158</b>	
Description	Construct approximately 520 feet of 24-inch pipe along Coquina Court and Bovard Avenue.		
Justification	The City has experienced localized flooding in the Coquina Court/Vining Court area. An engineering modeling study of the area has provided recommendations for stormwater improvements to reduce the extent and frequency of the flooding.		
Status	Construction complete.		

**Proposed Project Schedule**

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

**Stormwater Improvements**

**Fleming Ave Stormdrain Improvements**

City Project Manager	Alex Schumann	Contractor
Location	Fleming Avenue - Bryant Street to Center Street	<b>107153</b>
Description	Installation of drainage piping along Fleming Avenue that will interconnect Hickory Hills drainage system into the Central Park Lake system to allow an outfall for overflow drainage to prevent Fleming Avenue from flooding. Also improvements to the outfall piping from Laurel Lakes into Laurel Creek.	
Justification	Frequent flooding occurs along Fleming Avenue, and water ponds in areas of the street for prolonged time after heavy rainfall events, due to constraints with the Hickory Village subdivision storm water pond. Connection of this drainage system to the Laurel Oaks pond, and the recently interconnected Central Park lakes, is a consideration, but will need to be modeled to ensure adverse impacts do not occur.	
Status	Consultant has submitted 60% design plans, additional survey work was required and is underway.	

**Proposed Project Schedule**

Begin Design	7/18	Begin Construction	1/20
Complete Design	9/19	Complete Construction	10/20
Bid Project	10/19		

**Stormwater Improvements**

**Stormwater Master Plan Update**

City Project Manager	Alex Schumann	Contractor
Location	City-wide	<b>107160</b>
Description	Preparation of an update to the existing Stormwater Master Plan to identify stormwater project priorities city-wide to allow for budgeting and scheduling of required projects.	
Justification	The City's current Stormwater Master Plan was prepared in 2007. Updating the master plan will provide a road map for the construction of needed stormwater drainage infrastructure and the proactive rehabilitation of aging infrastructure to address current and future drainage issues. This update will also include elements on sea level rise and storm surge mitigation.	
Status	A Professional Services Agreement is scheduled to be awarded at July 30 City Commission meeting	

**Proposed Project Schedule**

Begin Design	N/A	Begin Construction	8/19
Complete Design	N/A	Complete Construction	9/20
Bid Project	N/A		



**Stormwater Improvements**

**Stormwater Pipe Lining FY 18/19**

City Project Manager	Alex Schumann	Contractor	Envirowaste Services Group
Location	Stormwater Service Areas	<b>107154</b>	
Description	The on-going rehabilitation of existing metal storm piping throughout the City that has been identified as failing due to corrosion and age.		
Justification	Much of the City's stormwater piping was installed in excess of 25 years ago, was constructed with corrugated metal piping, and has surpassed its design life expectancy. In many areas the metal pipe has significantly corroded, especially along the river outfalls. Rainfall runoff from recent Hurricanes resulted in increased flows and debris being conveyed through these pipes, which has also significantly contributed to pipe deterioration. In order to reduce impacts to roads, this project intends to rehabilitate the storm pipes utilizing no-dig, slip lining technology.		
Status	Contractor is on-site cleaning stormwater lines.		

**Proposed Project Schedule**

Begin Design	Complete	Begin Construction	5/19
Complete Design	Complete	Complete Construction	12/19
Bid Project	Complete		

**Stormwater Improvements**

**Stormwater Rebuild**

City Project Manager	Alex Schumann	Contractor
Location	City-wide	<b>107161</b>
Description	Remove and replace stormwater pipes that are too deteriorated to install pipe liner.	
Justification	Much of the City's stormwater piping was installed in excess of 25 years ago, was constructed with corrugated metal piping that has surpassed its design life expectancy. In many areas the metal pipe has significantly corroded and will be replaced utilizing standard open-cut construction.	
Status	Design is complete and the project is scheduled to be bid in August.	

**Proposed Project Schedule**

Begin Design	Complete	Begin Construction	11/19
Complete Design	Complete	Complete Construction	3/20
Bid Project	8/19		

**Stormwater Improvements**

**Wilmette Avenue Pump Station**

City Project Manager	Shawn Finley	Contractor
Location	Laurel Creek at Wilmette Avenue	<b>107151</b>
Description	Installation of two permanent pumps at Laurel Creek to provide pumping capability in preparation for storm events.	
Justification	The Phase II FEMA stormwater Improvements installed sluice gates at the four Laurel Creek culvert crossings of Wilmette Avenue, along with intake and discharge piping and structures for the use of temporary rental pumps. This project will install permanent pumps that can be used in lieu of the high cost of rental pumps, which require lead time to order, deliver, and set up, which diverts staff time and resources which could be otherwise utilized in the event of an impending storm.	
Status	FEMA has approved RAI responses, awaiting final decision of Army Corps of Engineers (ACOE) permitting.	

**Proposed Project Schedule**

Begin Design	Complete	Begin Construction	TBD
Complete Design	Complete	Complete Construction	TBD
Bid Project	TBD		

## Transportation

### 2019 Road Rehabilitation - Microsurfacing

City Project Manager	Alex Schumann	Contractor	Asphalt Paving Systems
Location	308225		
Description	Microsurfacing approximately 4.1 miles of road surface on several streets throughout the City.		
Justification	The City's roadway resurfacing program was implemented in 1997. Annual resurfacing has been performed since that time to prevent significant deterioration of roadways which could result in more costly roadway reconstruction, and to maintain roadway infrastructure quality throughout the City. In FY 2017/2018 the City began using Microsurfacing and other pavement preservation techniques. Microsurfacing results in a final product indistinguishable from traditional mill and resurface with asphalt, but at a cost of \$55,000 per mile, a nearly 70% cost savings versus traditional resurfacing, at an average cost of \$183,000 per mile.		
Status	Construction Complete.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

## Transportation

### 2019 Roadway Rehabilitation - Resurfacing

City Project Manager	Alex Schumann	Contractor	Halifax Paving
Location	308225		
Description	Resurfacing approximately 1.3 miles of roadway throughout the City.		
Justification	The City's roadway resurfacing program was implemented in 1997. Annual resurfacing has been performed since that time to prevent significant deterioration of roadways which could result in more costly roadway reconstruction, and to maintain roadway infrastructure quality throughout the City.		
Status	Contract awarded to Halifax Paving		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	6/19
Complete Design	Complete	Complete Construction	9/19
Bid Project	Complete		

## Transportation

### Forest Hills Trail

City Project Manager	Shawn Finley	Contractor	JD Weber Construction
Location	Forest Hills subdivision-Tomoka Elementary school	<b>308101</b>	
Description	Construction of a concrete sidewalk connecting Forest Hills neighborhood to Mayfield Terrace.		
Justification	The Volusia TPO conducted a study, "Bicycle and Pedestrian School Safety Review" in 2008, after budget reductions discontinued bus service to students living in the Forest Hills neighborhood. The route to school requires students to travel along Nova Road and Granada Blvd, a distance exceeding 1 mile. The study recommended the construction of the trail, as a safer alternative route.		
Status	The project is complete.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

## Transportation

### Tomoka Elementary Connector Sidewalk

City Project Manager	Shawn Finley	Contractor
Location	Old Tomoka Road	<b>308122</b>
Description	Construction of 2,200 LF of 5' wide sidewalk and pedestrian crosswalk facilities at Tomoka Elementary school.	
Justification	Improvements along Old Tomoka Road were originally recommended in the Tomoka Elementary School Bicycle and Pedestrian School Safety Review Study prepared for the Volusia County MPO in November, 2008. The project will increase pedestrian safety along Old Tomoka Road, define automobile corridors, and provide continuity from the Forest Hills Connector Trail.	
Status	LAP Agreement was executed. A Professional Services Agreement for design was executed on April 2, 30% design plans are submitted to FDOT for review.	

### Proposed Project Schedule

Begin Design	3/19	Begin Construction	7/20
Complete Design	3/20	Complete Construction	1/21
Bid Project	4/20		

## Transportation

### Williamson Blvd/Hand Avenue Pedestrian Improvements

City Project Manager	Shawn Finley	Contractor
Location	Williamson Blvd/Hand Ave Intersection	<b>308121</b>
Description	Construction of pedestrian crosswalk facilities at the traffic signal at the Hand Avenue/Williamson Blvd intersection, and additional sidewalk along Williamson Blvd. to connect, currently disconnected, sidewalk segments.	
Justification	The relocation of Florida Hospital has brought an increase in development activities to the area in recent years, which will likely continue. Interested residents, including those with special needs, have been in contact with the City to address the lack of pedestrian facilities connecting residential communities to commercial and public properties.	
Status	LAP Agreement was executed. A Professional Services Agreement for design was executed on April 2, 30% design plans are submitted to FDOT for review.	

### Proposed Project Schedule

Begin Design	3/19	Begin Construction	7/20
Complete Design	3/20	Complete Construction	1/21
Bid Project	4/20		



## Water/Wastewater Improvements

### A1A Manhole Repair

City Project Manager	Alex Schumann	Contractor	Masci
Location	A1A	<b>409224</b>	
Description	To adjust 5 manhole rings and covers, and pour associated concrete collars.		
Justification	Over time, manhole rings are subject to settlement resulting in safety hazards and uncomfortable driving conditions. This project will correct those manholes that have been identified to have settled, thus improving the safety and ride quality along A1A/Atlantic Avenue/ Oceanshore Blvd.		
Status	Complete		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	Complete
Complete Design	Complete	Complete Construction	Complete
Bid Project	Complete		

## Water/Wastewater Improvements

### BWT Reclaimed Water Storage & Pumping Station

City Project Manager	Shawn Finley	Contractor	McMahan Construction
Location	Breakaway Trails	<b>409232</b>	
Description	Demolish existing storage tanks and pump station and construct a new storage tank and pump station.		
Justification	This project was recommended in the 2015 Utility Master Plan Update. The existing storage tank and pumping facility were constructed in the early 1990's and are at the end of their useful life. The existing tanks are steel and neither tank is covered, thus enabling algae growth and water quality degradation, the existing pumps are fixed speed and the electrical components need replacement. The new storage tank will be standard pre-stressed concrete, and the new pump station will include three variable speed pumps.		
Status	Notice to Proceed was issued on April 29, construction of tank walls is underway.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	4/19
Complete Design	Complete	Complete Construction	2/20
Bid Project	Complete		

## Water/Wastewater Improvements

### North US1 Forcemain Extension

City Project Manager	Lynn Carter	Contractor
Location	North US1	<b>435044</b>
Description	Construction of a second 10" forcemain on North US1 from Airport Road to Broadway Avenue at Ormond Crossings.	
Justification	Recent and future growth along North US1 has placed a heavy demand on the capacity of the existing forcemain that was installed in 1990. A parallel 10" forcemain is needed to keep up with demand and provide capacity to serve future development and to improve reliability should the single, existing forcemain be placed out of service.	
Status	Design is in progress.	

### Proposed Project Schedule

Begin Design	4/19	Begin Construction	2/20
Complete Design	10/19	Complete Construction	11/20
Bid Project	11/19		

## Water/Wastewater Improvements

### North US1 Water Main Improvements

City Project Manager	John Noble	Contractor	JD Weber
Location	North US1	<b>434029</b>	
Description	Installation of a new 12-inch water main loop from Broadway Avenue to Pine Tree Drive.		
Justification	The North US1 corridor is serviced from a single water main and a single force main. This project will loop the water main to greatly diminish the possibility of disruption of service, and to increase water main pressures and available fire demand flows.		
Status	Construction is substantially complete, Contractor is working on punch list items.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	1/19
Complete Design	Complete	Complete Construction	7/19
Bid Project	Complete		

## Water/Wastewater Improvements

### Sanitary Sewer Force Main Upgrades

City Project Manager	Alex Schumann	Contractor	McMahan Construction
Location	North Peninsula	<b>409228</b>	
Description	Sanitary sewer force main upgrades at the 1600 block of A1A/North Oceanshore Blvd, Spanish Waters Drive, Granada and Bovard, and Abby Way - 5P & 1P system diversion to 4P as an additive alternate.		
Justification	The northerly extent of the A1A forcemain requires periodic cleaning due in part to the original installation technique creating a catchment for solids. Additional constraints were also realized during a force main break on Riverside Drive that required several privately contracted septic tank haulers to assist the City until repairs on the main were completed, as no contingency re-routing of the 5P & 1P systems was available. These upgrades will improve the configuration, operational reliability, and redundancy of the force main system.		
Status	Notice to Proceed issued for April 17, construction is underway at Spanish Waters & A1A.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	4/19
Complete Design	Complete	Complete Construction	8/19
Bid Project	Complete		

## Water/Wastewater Improvements

### Sanitary Sewer Inflow/Infiltration FY 18/19

City Project Manager	Alex Schumann	Contractor	Envirowaste Services Group
Location	Various	<b>409179</b>	
Description	Based on a video inspection of the City sewer system, pipe lining of identified, deficient sanitary sewer pipe.		
Justification	A significant portion of the gravity sewer pipeline consists of old clay pipe with joints every five feet, and many of the older sanitary manholes are constructed of brick rather than pre-cast concrete. These older, failing structures allow surface and groundwater to enter the sewer system, which results in surcharging of sewer lines, hydraulic overload of the pump stations, and inadequate treatment at the plant due to increased hydraulic loading. Inflow/Infiltration reductions can extend the capacity life of the wastewater facility, and prevent additional costs for collection, pumping, treatment, and disposal of the additional water flowing into the system.		
Status	Contractor is on-site cleaning ahead of lining operations.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	5/19
Complete Design	Complete	Complete Construction	12/19
Bid Project	Complete		

## Water/Wastewater Improvements

### Secondary Raw Water Main

City Project Manager	Alex Schumann	Contractor
Location	SR40	<b>434027</b>
Description	Design of a secondary 16" raw water main along SR40 from Hunters Ridge to Williamson Boulevard.	
Justification	The City receives the majority of its raw water from the Hudson and Rima Ridge wellfields. Currently, there is a single 24" raw water main on SR40 which is a significant vulnerability should the line break for any reason. If a break were to occur, a secondary, redundant raw water main will enable the raw water flow to continue preventing a potential water shortage at the water treatment plant.	
Status	Design approximately 75% complete. 90% plans expected August 2019	

### Proposed Project Schedule

Begin Design	6/17	Begin Construction	2/20
Complete Design	10/19	Complete Construction	2/21
Bid Project	11/19		

## Water/Wastewater Improvements

### WTP Lime Slaker & Hypochlorite Feed

City Project Manager	Alex Schumann	Contractor	Odyssey Manufacturing Company
Location	Water Treatment Plant	<b>409207</b>	
Description	Combined the replacement of two (2) Lime Slaker units with the sodium hypochlorite generator replacement project, which includes new generator skids along with miscellaneous equipment and minor electrical modifications.		
Justification	The lime slaker equipment provides the production and feed of past lime for primary hardness removal associated with the plant's lime softening process. The units are rigorously operated 24 hours per day. The existing units were overhauled in 2014 and are again showing signs of age and wear. The replacement equipment will be more cost effective and are made with corrosion resistant materials for longer life.		
Status	A Pre-Construction meeting scheduled for July 22.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	8/19
Complete Design	Complete	Complete Construction	5/20
Bid Project	Complete		



## Water/Wastewater Improvements

### WTP Solids Handling Facility Upgrades

City Project Manager	Lynn Carter	Contractor
Location	Water Treatment Plant	<b>409197</b>
Description	Replacement of the solid handling facility dewatering structure and existing centrifuges with a new steel building and vacuum presses.	
Justification	The existing solid handling facilities are in need of significant repair. The steel structure and wall panels are severely corroded, and only one of two centrifuges is operational.	
Status	Bids will be opened on July 10th.	

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	11/19
Complete Design	Complete	Complete Construction	7/20
Bid Project	7/19		

## Water/Wastewater Improvements

### WWTP Sludge Dewatering Improvements

City Project Manager	Lynn Carter	Contractor	SGS Contracting Services
Location	Wastewater Treatment Plant	<b>409195</b>	
Description	Replacement of two (2) existing Centrifuges and Polymer Blending system in the sludge handling facility, the replacement of the bridges and handrails on the two digesters and structural upgrades within the re-aeration basin.		
Justification	The existing centrifuges used for dewatering sludge are high maintenance units that operate under high velocity and are routinely having to be serviced at high costs. New Technology screw press devices operate at a low torque speed and produce a dryer sludge cake. The rotary drum thickeners operate ahead of the screw presses and pre-thicken the sludge to allow constant feed rates into the screw press. The polymer feed system at the sludge handling facility has reached the end of its service life and needs to be replaced.		
Status	A Pre-Construction meeting held on May 16th and Notice to Proceed was issued for August 5 due to long lead time materials.		

### Proposed Project Schedule

Begin Design	Complete	Begin Construction	8/19
Complete Design	Complete	Complete Construction	6/20
Bid Project	Complete		