

3/5/2020

To: Mayor and City Council members

Design progress update for two concrete street replacement areas included in the 2019 Bond Package. Also includes water line improvements where existing lines are due for replacement. On track for construction to start this summer. -Trent



## Street Reconstruction (Linwood Oaks & Orange Circle) & Orange Circle Waterline

**Scope:** The streets within Linwood Oaks subdivision designated for improvement are Briar Circle, Linwood Oaks, and Yupon Circle. This project involves reconstructing these streets with new 6" thick concrete curb & gutter pavement and includes the reconstruction of existing storm sewer inlets at Plum Street. Orange Circle is planned to be reconstructed with new 6" thick concrete curb & gutter pavement and includes the reconstruction of existing storm water inlets on Orange Circle North and Orange Circle South. This project also includes the replacement of 1000-feet of existing water lines on Orange Circle and approximately 700 feet of water line on Mykawa Road between Orange Street and Orange Circle.



**Justification:** This project was included in the Street Reconstruction program approved in the 2019 Bond Referendum. This program reconstructs the City's concrete streets with the lowest Pavement Condition Index (PCI). The streets identified within the Linwood Oaks Subdivision have a current PCI ranging between 37-66, this area ranks #1 in the replacement priority list for concrete streets. Orange Circle has a PCI of 40 and is ranked #2 in the replacement priority list. Replacement of the waterline is required due to the existing waterline being transite pipe and its shallow location will be affected by the road reconstruction. The waterline will be replaced with PVC pipe material.

**Project Manager:** Mahagony Isabell

**Designer:** ARKK Engineers

**Contractor:** N/A

**Budget Info:**

### Street Reconstruction

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
Certificates of Obligation				-
General Obligation Bonds	TBS 2020	2,230,000		-
General Obligation Bonds				-
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
<b>Total Funding Sources</b>		<b>2,230,000</b>	<b>-</b>	<b>2,230,000</b>

Expenditures	To Date	Future	Total
PER			-
Land			-

Design	200,570		200,570
Construction		1,307,200	1,307,200
Construction Management/Inspection			-
Construction Materials Testing		40,000	40,000
FF&E			-
<b>Total Expenditures</b>	<b>200,570</b>	<b>1,347,200</b>	<b>1,547,770</b>
<b>Project Balance/Contingency</b>			<b>682,230</b>

Orange Circle Waterline

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
Certificates of Obligation				-
General Obligation Bonds				-
System Revenue - Cash		240,000		240,000
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
<b>Total Funding Sources</b>		<b>240,000</b>	<b>-</b>	<b>240,000</b>

Expenditures	To Date	Future	Total
PER			-
Land			-
Design	27,635		27,635
Construction		155,032	155,032
Construction Management/Inspection			-
Construction Materials Testing		20,000	20,000
FF&E			-
<b>Total Expenditures</b>	<b>27,635</b>	<b>175,032</b>	<b>202,667</b>

<b>Project Balance/Contingency</b>	<b>37,333</b>
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**Schedule Info:**

	<i>Base Line</i>	<i>Current</i>
<i>Design Start</i>	August-19	August-19
<i>Bid Start</i>	June-20	
<i>Construction Start</i>	August-20	
<i>Proposed Construction Completion</i>	June-21	

**Highlights:**

- On February 3<sup>rd</sup> ARKK Engineers submitted a 60% plan set (both areas) for Staff review, comments were returned to the Engineer February 18<sup>th</sup>.

- Staff held a progress meeting with the Engineer on February 13, 2020 to review the current submittal and discuss the project schedule.
- The 60% plans for both areas were submitted to all utilities to identify any existing conflicts before construction start. The Engineer will incorporate notifications to Utility companies on any conflicts.
- Previous Engineer/Staff discussions contemplated revising the existing drainage to outfall to Mykawa. After televising the current outfall to Orange Street that alternative was abandoned in favor of retaining the existing system. This improves the Mykawa collection system hydraulics at the Orange Street Mykawa bridge leading to Town Ditch. **This will expedite the design schedule, making it possible to advertise for bids in April 2020.**
- Staff have determined that the section of existing transite pipe water main feeding Orange Circle will also be replaced with PVC pipe. This is approximately 600 feet beginning just south of Orange Circle South to Orange Street.
- Water lines on Briar Circle, Linwood Oaks and Yupon Circle were replaced several years ago with PVC lines and will remain in place.
- Drainage improvements are being designed to be constructed with the street replacements.

#### **Upcoming Work Items:**

- Closed-circuit television (CCTV) has been scheduled with City Staff (Public Works) to ensure the existing storm sewer system has adequate useful life remaining to not be replaced along Orange Circle.
- The final submittal will be complete in March, followed by a TRC review meeting.
- **By April 7<sup>th</sup> Staff will hold a public meeting to inform the residents of upcoming work to be performed by the City and obtain any comments/concerns that the residents may have, discuss traffic control, phasing, and construction schedule. Any substantiated comments will be reviewed and incorporated in the project plans.**

**Previous Memos:** 12.19.19

# Project Location Map:

