

M E M O R A N D U M

TO: Tom Harmer, Town Manager
FROM: Isaac Brownman, Public Works Director
REPORT DATE: October 8, 2019
MEETING DATE: October 15, 2019
SUBJECT: Utilities Undergrounding Project Update

Recommended Action

None, informational only.

Background

At each Regular Workshop Meeting, Public Works staff provides a status report to the Commission regarding the Utilities Undergrounding and Fiber Project. When necessary, staff will seek Commission policy direction or concurrence regarding elements of the project.

Undergrounding Project – Funding

The Town Commission formally adopted the FY20 budgets including Undergrounding components at the September 23, 2019 Special Meeting. No additional information this month.

Undergrounding Project – Design-Build RFP

Wilco has been issued work assignments for Phase One and Two for FPL work in the GMD corridor. All conduits have been placed along GMD right of way in Phase One and transformer splice boxes, and concrete pads are all in place. Work continues in pulling feeder and primary voltage conductors and subsequent placement of switch gear and transformers.

Phase Two work continues in placement of conduits in the GMD corridor from Longboat Pass Bridge working towards the southern terminus of the phase at Dream Island Road. We are moving forward with FPL consensus for design changes that allows installation of feeder and primary conduits in the western side of GMD, where practical, to lessen impacts to adjacent utilities and the multi-purpose pathway.

Handling/staging of FPL Materials for Phase One and Two continues for the electrical undergrounding construction. The delivery of conductor wires along with Vista switches, capacitor banks, and transformers is in progress for Phase One.

Comcast has completed their re-design on all of the five phases. The Town is in receipt of final design plans for construction, cost proposals, break out of material and labor unit costs along with FDOT permitted plans for Phases One and Two. The Town is directing Wilco to perform all Comcast conduit installation work. Although there is a higher cost for Wilco to install, the combined Frontier and Comcast work is projected to be a net savings to the Town's adopted budget. In addition, the Town and Wilco will be able to better control the work schedule, realize construction efficiencies, and provide the least impact to the Neighborhood

residential portion of the projects. The Town and Comcast are finalizing performance of all other Comcast related work.

Undergrounding Project – P3 Fiber Backbone and Provider Services

Waterleaf International, LLC, overall design tasks are 75% complete. A change order for additional time is under consideration.

The following reflects associated task status:

- RF Studies substantially complete. Street Light photometrics, layout and pole spacing substantially complete.
- Fiber-optic distribution design layouts for Phases 1 through 4 substantially complete. Awaiting details and final deliverable.
- Street light pole and fixture product submittal sheets for GMD and Neighborhoods to be submitted by Waterleaf.
- Town has selected aluminum poles as preferred material due to minimal outside diameter, lower maintenance, and preferred aesthetic.
- Cylindrical poles are the preferred option.
- FDOT confirmed breakaway poles on concrete bases within FDOT right-of-way clear zone will be required. GMD is a 45-mph urban collector.
- FDOT permits to be secured.
- Waterleaf working with manufacturer to produce neighborhood street light fixture and arm design based on Town Commission direction at the September 23, 2019 Regular Workshop Meeting.

Pinpoint and Waterleaf are developing a detailed master business model and associated infrastructure expected to be shared with the Town by the end of October. If acceptable to the Town, this will be used to secure funding commitments and advance Comprehensive Development Agreements. The Town Commission will be informed as progress is made.

Budget, Schedule, and Other Items of Interest

FPL Phase One and Two receipt of materials at site staging area continues.

The Town is in receipt of FPL's Phase Three preliminary design. The project team anticipates receipt of the Binding Cost Estimate and final design documents within the next few weeks.

- CDM Smith - Overall Budget Monitoring
 - Continue utilizing Phase One and Two estimates from FPL, Frontier, and Comcast. In budget negotiations with Wilco Electrical, LLC the current submitted costs for remaining phases are favorable.
 - Street Lighting Budget for GMD - Town staff and Waterleaf continue development of GMD lighting per the FDOT Justification Study and additional locations identified by the Commission.
- CDM Smith - Schedule
 - The Town expects adjustments to the Master Schedule once P3 agreements are finalized and co-funding options are established.

Next Steps

Waterleaf to finalize remaining pole, fiber, and antennae designs. Town staff to receive and review the master business model from the proposed P3 partners. Staff to review the P3 Comprehensive Development Agreement with the

Commission. A complete P3 status, milestone and next steps update is anticipated for the November 12, 2019 Regular Workshop meeting.

In regards to the Personal Wireless Facilities code update, the staff is in the process of confirming existing language, or providing suggested amendments thereof, in regards to size of ancillary equipment, to formally adopt Ordinance 2019-10, amending Town Code requirements as it relates to heights, pole design, and aesthetic standards to facilitate Town-wide technology deployment. Final staff version will be presented at the November 4, 2019 Regular Meeting.

Staff Recommendation

None, informational only.

Attachments

PowerPoint Presentation (Available in Town Clerk's Office)

End of Agenda Item