

M E M O R A N D U M

TO: Tom Harmer, Town Manager
FROM: Isaac Brownman, Public Works Director
REPORT DATE: January 10, 2020
MEETING DATE: January 21, 2020
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 Budget, including Undergrounding components, at the September 23, 2019 Special Meeting. No additional information this month.

Undergrounding Project – Design-Build RFP

Wilco has been issued a Change Order One to the work assignment for Phase One FPL work, to commence work within the Neighborhood areas, including Town Street Light and Fiber conduits. A Notice to Proceed is to be issued with a start date of January 27, 2020.

Phase Two work continues with feeder conduit installation to complete the circuit in the Longboat Drive South and Poinsettia right of way in the Village area. Placement of conductors in the feeder conduits within the GMD corridor from Longboat Pass Bridge working towards the southern terminus of the phase at Dream Island Road, including Broadway and General Harris Streets will commence in February.

Handling/staging of FPL Materials for Phase One and Two continues for the electrical undergrounding construction.

Town staff along with CDM Smith met with FPL Engineering in December to consult on project status and anticipate delivery of final Phase Three designs and Binding Cost Estimate scheduled for delivery by the end of January.

Comcast has completed their re-design on all 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. Comcast will provide the materials and labor to make final connections and conversions of their customers from overhead to underground.

Comcast is currently awaiting a final version of a Letter of Intent from their internal legal department.

On Thursday, January 9, 2020, Paul Brown, Manager, Comcast Construction SWFL responded to our most recent request stating that they are doing everything possible to expedite through Comcast's legal offices. They also indicated that the review is near completion, and upon receipt, they are positioned to move forward.

Staff will create a Purchase Order request for Comcast's materials and their portion of the installation work once the Letter Of Intent is finalized.

Staff and Comcast along with a Wilco representative will be meeting over the next weeks to finalize plans and include installation of Phase One conduits in neighborhoods and GMD.

Smart Street Lighting ("SSL")

Waterleaf International, LLC design plans and specifications are being used as a basis to move forward with Wilco to Design-Build documents and cost estimates. Magellan Advisors, CDM Smith, and Wilco are reviewing and modifying the design as needed to move forward and meet the requirements of the referendum and budget. Staff anticipates to finalize the design and submit final FDOT permit application by the end of January to mid-February.

Town Fiber and Street Light Alternative Action Plan Staff continues with the following items;

1. Using the Waterleaf International, LLC, design and concepts as a basis, the Town and Wilco are currently modifying the Waterleaf design in order to proceed with a backbone fiber-optic installation to include conduit installation matching budget capabilities and planned installation of fiber-optics to primary Town facilities. This includes Town Hall, Planning, Zoning & Building, Police Department, Fire Station 91, Fire Station 92, Public Works, and others to the extent that the budget allows. This installation intends to "light up" these facilities as the initial Town fiber-optic network implementation.
2. The Town will also be directing Wilco Electrical to complete the design-build elements of providing a "smart-capable" street light network within the referendum budget. This includes all street light system locations as outlined by the Town Commission and FDOT, like-for-like in the neighborhoods, and ensure the street light poles and appurtenances are "smart-capable" (installed with fiber backhaul and structurally sound for the addition of carrier antenna equipment and network gear, etc.)
3. Once these elements and their construction costs are known, the Town will proceed with Wilco to explore multi-purpose trail lighting options and solutions.
4. In consultation with our project consultants, the Town has and will continue to make direct outreach to representatives of the telecommunications carriers to

use the new Town infrastructure to enhance current cell phone coverage across the island. The Town will need to prepare operating and maintenance budgets for the street light system and fiber maintenance; carriers will be responsible for their own equipment on, and associated with, the poles.

5. In addition, we anticipate that other smart city providers may want to explore leveraging the Town's infrastructure. We will continue to evaluate opportunities during the construction phase and keep open the option to issue a new RFP for smart city and/or FTTH solutions as we advance the infrastructure installation and can provide a more known environment to potential partners.

We also requested our consultant, Magellan Advisors, to provide input into our plan. In a memo provided to the Town on November 4, 2019, Magellan Advisors stated the following regarding our decision to end P3 negotiations: "Given substantial project delays, and the fact that Wilco's construction activities on the undergrounding project are well underway, we believe it's in the Town's best interest to focus on deploying the planned assets (conduit, fiber and lighting) using the current designs after careful third-party review. Then, once construction has commenced, and significant progress has taken place, the Town can redirect efforts to finding partners that can execute on its vision."

Budget, Schedule, and Other Items of Interest

FPL Phase One and Two receipt of materials at site staging area complete. Phase Three final design, Binding Cost Estimate are being finalized and delivery of materials is scheduled to commence in mid to end of February, 2020.

- 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 now Wilco will continue development of GMD lighting per the FDOT Justification Study and additional locations identified by the Commission.
 - We have submitted an appropriation request to the State Legislature this Session to offset the cost of our smart street light infrastructure.
- CDM Smith - Schedule

The Town expects adjustments to the Master Schedule once all Comcast agreements are finalized and Wilco designs completed.

Next Steps

- Finalize Phase 1 and 2 Easements. FPL requires easements to be submitted with final “as-built” drawings prior to switch orders being completed for final power conversions.
 - All vista switch easements in Phase One are agreed to in principle; final survey descriptions are being obtained, and two have been signed.
 - Country Club Shores has existing 5 ft. frontal yard utility easements that will be included in the final design dimension for transformer location coordinated with Wilco and FPL in the cul-de-sacs. All other locations fit within the Town street right of way.
 - Phase Two
 - 37 transformer locations to be coordinated with Wilco’s Design-Build adjustments to FPL design for final survey location and signature.
 - 68 easements are agreed to in principle, including all vista switch locations. The Town needs to finalize with Wilco’s Design-Build adjustments and obtain final survey exhibit for signatures.
 - 80 were avoided by placement of equipment in right of way
- Finalize remaining pole, fiber-optic conduit, wind load, and electrical connection designs with Wilco.
- Permit drawings through FDOT for all Town fiber and street light work on GMD
- Concurrently, finalize Work Assignments for Wilco to begin work in Neighborhoods Phases Two.
- Enter into Binding Cost Estimate Agreements once we are in receipt of FPL Phase 3 design. Anticipated receipt in early 2020
- FPL initiate Phase 4 design and development of the Binding Cost Estimate.

Recommended Action

None, informational only.

Attachments

- A. PowerPoint Presentation (Available in Town Clerk’s Office)

End of Agenda Item