

## M E M O R A N D U M

**TO:** Tom Harmer, Town Manager  
**FROM:** Isaac Brownman, Public Works Director  
**REPORT DATE:** February 7, 2020  
**MEETING DATE:** February 18, 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 has been issued with a start date of February 3, 2020.

Phase Two work for feeder conduit installation is complete. 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 later in February.

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

Town staff is in receipt of the Phase Three Binding Cost Estimate from FPL. Staff along with CDM Smith are reviewing final Phase Three designs and Binding Cost Estimate for concurrence with Wilco unit pricing and will include in next month's Regular Workshop Meeting budget report.

Comcast has completed their re-design on all five phases. The Town has received 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. The Town is coordinating the receipt of Comcast materials for Phase One and Two. Meanwhile,

the Town continues to work on obtaining a purchase order for Comcast. Comcast is currently awaiting a final Letter of Intent from their internal legal department.

### **Smart Street Lighting (“SSL”)**

Town staff, CDM Smith and Wilco are currently modifying the street light and fiber 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 all street lights and primary Town facilities. CDM Smith and Wilco are reviewing and finalizing the designs as needed to move forward and meet the requirements of the referendum and budget. Additionally, staff anticipates submitting the final Gulf of Mexico Drive design to FDOT for permit application by mid-February.

### **Town Fiber and Street Light Alternative Action Plan**

#### **Staff continues with the following items;**

1. The Town directed 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.)
2. Once these elements and their final construction costs are known, the Town will proceed with Wilco to explore Gulf of Mexico Drive multi-purpose pathway lighting options and solutions.
3. 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.
4. In addition, we anticipate that other wireless service 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 wireless and/or FTTH solutions as we advance the infrastructure installation and can provide a more known environment to potential partners.

### **Budget, Schedule, and Other Items of Interest**

FPL Phase One and Two receipt of materials at site staging area complete. Phase Three design and Binding Cost Estimate are being finalized with delivery of materials to be coordinated subsequent to the execution of those agreements.

- CDM Smith - Overall Budget Monitoring
  - Phase Three Binding Cost Estimate will be included with Phase One and Two estimates from FPL, Frontier, and Comcast, once Town

review is finalized. The Town will continue budget negotiations with Wilco Electrical, LLC for each remaining phase. Current reviews remain favorable and under budget.

- Street Lighting Budget for GMD - Town staff and Wilco will continue development of GMD lighting per the FDOT Justification Study and include additional locations identified by the Commission.
- We have submitted an appropriation request to the State Legislature this Legislative Session to offset the cost of our smart street light infrastructure. It is anticipated that potential funding may occur pending legislative approval in the approximate amount of \$1.5 million.
- CDM Smith – Master Schedule
  - A high-level schedule is provided with this update package. The project is on track for FPL work. The Town expects adjustments to the Master Schedule once all Comcast agreements are finalized and Wilco designs completed.

### **Next Steps**

- Finalize Phase One and Two 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. front yard utility easements that will be included in the final design dimension for transformer locations 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 budgetary review is complete.
- 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**