

M E M O R A N D U M

To: Howard Tipton, Town Manager
From: Isaac Brownman, Public Works Director
Report date: June 16, 2023
Meeting date: June 30, 2023
Subject: Utilities Undergrounding Project Update

Recommended Action

None, informational only.

Undergrounding Project – Funding

The Town Commission formally adopted the FY23 Budget, including Utilities Undergrounding Project components at the October 3, 2022 Special Meeting at 5:01pm. The electrical undergrounding remains favorably under budget (currently estimated at \$3.7 million under and does not include contingency).

Undergrounding Project – Design-Build Wilco FPL Status

Phase 1

All Phase 1 FPL undergrounding work is complete.

Phase 2

All Phase 2 FPL undergrounding infrastructure work is complete. Switching and conversion are in progress. Wilco and FPL are anticipating conversion completion by end of June 2023, pending any final switching coordination with FPL, existing device change-outs, and other unforeseen variables.

Phase 3

All Phase 3 undergrounding infrastructure work is complete. There are transformer deliveries currently in-progress to be installed as part of the original FPL project design and 11 existing transformers that will have to be replaced to properly integrate with new equipment. FPL is working to acquire the additional transformers.

A challenge has recently developed related to switching and conversions for Phase 3. As the FPL switching division reviewed Wilco's initial switching requests, FPL indicated that the major feeders supplying energy to Phase 3 areas are older, sub-aqueous equipment and to accomplish the switch, there would be no back-end redundancy. In addition, the Phase 3 switching is coinciding with peak electrical loading season (summer). Therefore, FPL has requested from Wilco a detailed, step-by-step conversion progression that has to be reviewed and approved by FPL prior to authorizing switching. The detailed progression and tentative schedule are under development.

Phase 4

All Phase 4 undergrounding infrastructure work is complete. There are transformer deliveries currently in-progress to be installed as part of the original FPL project design and 13 existing transformers that will have to be replaced to properly integrate with

new equipment. There is also one new remote Vista switch that Wilco is awaiting from FPL. FPL is working to acquire the additional transformers and the Vista switch.

Due to the redundancy and loading challenges that are manifesting in Phase 3, Wilco has not yet requested switching for Phase 4 at this time until that sequence is sorted out.

Wilco and FPL are working in collaboration to complete all project efforts.

Frontier

Frontier is complete with Phases 2 and 4. Frontier is actively working with Wilco to complete their undergrounding and removal of non-active aerial facilities, and conversions of aerial fiber drops within Phase 3 by the end of June.

Comcast

Comcast is complete with Phases 2 and 4. Comcast is also actively working with Wilco to complete their undergrounding and removal of non-active aerial facilities, and conversions of aerial fiber drops within Phase 3.

Street Lighting

Regarding remaining streetlights:

Phase 2 – eight (8) lights on the neighborhood plans where an overhead electric line is in the way.

Phase 3 – six (6) lights on the neighborhood plans where an overhead electric line is in the way.

Phase 4 – eight (8) total that are waiting on backordered streetlight poles. Vendor is indicating an end of June delivery.

All lighting load centers have been installed throughout all phases.

Cellular Coverage and Smart City Concepts

Verizon has activated nine (9) new small cell poles and antennas on the North end of the island. A lease agreement with AT&T to utilize Town infrastructure to add wireless enhancing equipment is being presented at the June 30, 2023 Town Commission Regular Meeting.

Construction Budget and Other Items of Interest

Electrical undergrounding work remains favorably under budget. As work is completed, invoicing for final quantities will assist in reconciling total savings. Streetlight and fiber conduit remain within original budget.

Phase 1

No contingency funds were utilized in Phase 1.

Phase 2

No contingency funds have been utilized in Phase 2 at this time.

Phase 3 (includes the Southern portion of the original Phase 5)

Currently, no contingency funds have been utilized in Phase 3. However, due to the equipment proximity and limited space in the mobile home parks and a few other locations, bollards were installed around transformers. The cost is estimated to be about \$48,600. There are additional, minor conduit additions and restoration that will be included in an upcoming change order.

Phase 4 - Final Phase (includes the Northern portion of original Phase 5)

The Town has not needed to utilize construction contingency funds for Phase 4.

Town Fiberoptic Network

All Town fiberoptic conduit has been installed by Wilco. The Town authorized Wilco to install an internal Town fiberoptic network in coordination with the Town's Information Technology (IT) Department. Work is in progress.

Multipurpose Pathway Lighting Update

Locations, concepts, costs, and timing will be considered in the future and most likely after the Florida Department of Transportation (FDOT) replaces the existing eight (8) foot wide path on the east side of Gulf of Mexico Drive.

Easement Update

As a Design-Build project, the project team continues to actively work on acquiring the necessary easements as the project progresses. For those areas in all four phases requiring easements, all consent has been received, all easements sketches and legal descriptions have been developed, and all easements have been sent out for signature. Seventy percent (70%) of all required easements in all phases have been received and recorded.

Master Schedule Update

The Master Schedule has been extended to reflect best estimates of project energizing and completion. Conversions/energizing and final FPL pole removal (wreck-out) remains estimated in 2023. A revised schedule has been provided to illustrate all of the above updates.

Remaining neighborhood streetlights that cannot be installed due to energized power line conflicts are expected to be completed once pole removal (wreck-out) in the respective area occurs.

Next Steps

- Continue energizing Phases 2, 3, and 4 to completion.
- Acquire all outstanding equipment from FPL and all backordered streetlights.
- Finish all easements.
- Complete all practical street light installations.
- FPL pole removal (wreck-out) and final streetlight installations.
- As an additional service, Town requested Wilco provide a proposal to replace all Town street name signs with newer, LED backlit street name signs and poles with the intent to encumber funds by December 31, 2023.

Staff Recommendation

None, informational only.

Attachments

PowerPoint Presentation (Available in the Town Clerk's Office)

End of Agenda Item