

M E M O R A N D U M

TO: Tom Harmer, Town Manager
FROM: Isaac Brownman, Public Works Director
DATE: June 10, 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.

Underground Project – Funding

No additional information this month. Staff is developing Fiscal Year 2019-2020 (FY20) budgets including Undergrounding components and Bond / P3 funding considerations.

Underground Project – Design-Build RFP

Staff has received an executed contract from Wilco Electrical, LLC. (Wilco) for the Master Agreement and also Work Assignments for handling/staging of FPL Materials and Phase 1 and 2 electrical undergrounding construction. The initial Notice-to-Proceed (NTP) is anticipated in late June with delivery of FPL materials to follow mobilization of Wilco staff and equipment. A Pre-Construction meeting will occur on June 14th with pertinent representatives from the Town, CDM Smith, FPL, Wilco and other Utility providers. On July 1, 2019 from 9:00 – 11:00 AM, Town staff and representatives from Wilco will host a public information and media outreach meeting. (The Town Commission Regular Meeting is scheduled at 1:00 PM on the same date.)

Florida Department of Transportation (FDOT) Permits for FPL and Frontier project work within the FDOT Right of Way for Phase One have been obtained. This will allow both Wilco and Frontier to proceed with Phase One undergrounding work along GMD. This work kicks off construction activities for the Undergrounding project.

Comcast has completed their re-design on all five (5) phases, and Town staff is in negotiations with them to ensure alignment with our budget. The new design includes significant reductions in proposed infrastructure included in their earlier plan submissions.

Roles and responsibilities defined by the Memorandum of Understanding and final P3 Agreements for installing Town-owned fiber components are being negotiated between the Town, Wilco, and Waterleaf International LLC.

Underground Project – P3 Fiber Backbone and Provider Services

Magellan Advisors continue to assist the Town with negotiating terms of the prospective partnerships. Terms for the Memoranda of Understanding were presented at the May 20, 2019 Regular Workshop Meeting. Town staff has received the first draft P3 Partnership Agreements for both Fiber and Smart Street lights. The P3 project team has established the following milestones toward completion of P3 negotiations and contracts:

- July 2019 Finalize P3 Agreements for Commission Approval
- September 2019 Present Final P3 Agreements at the Regular Meeting

Based on technical and financial aspects of the RF study and Commission consensus at the May 20, 2019 Regular Workshop Meeting, pole heights of 35-feet along Gulf of Mexico Drive (GMD) and 25-feet within the neighborhoods were established. Street light arms and fixture luminaires can be placed at lower heights, for example, at 25-feet for Gulf of Mexico Drive and 15-to-20-feet within the neighborhoods. The fixture luminaire height along GMD will be predicated on the FDOT roadway lighting photometric requirements. In addition, consensus was achieved regarding general pole color (black or other dark color), pole material (aluminum or fiberglass), cobra head fixtures for GMD, and decorative fixture style for the neighborhoods.

Current New Federal Communications Commission (“FCC”) Regulations

Town Code Chapter 158.200 and 158.201 provides Town criteria for permitting and allowing personal wireless service facilities. Town Code provisions will need to be amended based upon Commission decisions related to pole height and style. Future decisions will be required for aesthetic character, physical nature, and concealment of the equipment necessary for deployment of wireless services. Quantity and spacing of poles will be based on RF study results, and Commission preference for pole materials and style. Pictorial samples will be provided illustrating current technology and deployments in other communities.

Other Items of interest

FPL Phase One receipt of materials at site staging area occurs in June 2019.

- **CDM Smith - Overall Budget Monitoring**

- We continue to utilize Phase I and II 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**
The current budgeted amount of \$3,112,000 was initially developed to light a significant amount of GMD. Based on the FDOT Justification Study and additional locations identified by Commissioners will require a lesser amount, including final pole materials, and fixture selections.

- **CDM Smith - Schedule**

- We expect adjustments to the Master Schedule once P3 agreements are finalized and co-funding options are established. Construction start is anticipated Summer 2019.

Next Steps

Finalize remaining pole style information, and fiber design with Waterleaf. Bring final P3 Agreements to the Commission for consideration and formal action. Staff will develop an Ordinance amending Town Code requirements as it relates to heights, pole design, and aesthetic standards to facilitate Town-wide technology deployment.

Attachments

PowerPoint Presentation



Underground Update

Town Commission Regular Workshop

June 17, 2019



Agenda

- Milestones and Decisions
- P3 Smart Street Light Pole examples
- Budget and Schedule Update
- Next Steps



Undergrounding Schedule/Milestones

Town Commission Approved Master Agreement at June 3 Regular Meeting

We have secured the first 3 Work Assignments for Wilco Electrical, LLC

- Staging/Managing FPL Materials
- FPL Undergrounding for Phase 1
- FPL Undergrounding for Phase 2

Frontier will begin operations in Phase 1 in June 2019

Comcast's facilities will be installed concurrently with the fiber installation

Future work assignments will take in consideration the street lighting and fiber components for completion of the P3 design



Upcoming Milestones

- Delivery of FPL Phase 1 Materials June 2019
- Frontier Start Construction June 2019
- Wilco Start Construction June 2019
- Public Information Project Kick-Off 9:00 AM July 1, 2019
- P3 Agreements
(Commission Approval) Sept. 2019
- Finalize Smart Street Light Poles
and develop Code updates Sept./Oct. 2019



Commission Consensus – May 20, 2019

Pole Height

- ✓ 35-ft. on Gulf of Mexico Drive (SR 789):
Light fixture at approx. 25-ft. +/- to meet FDOT luminance criteria.
- ✓ 25-ft. in neighborhoods:
Light fixture at 15-20-ft. +/- as desired.

Style

- ✓ Black or other dark **color** poles
- ✓ Aluminum or fiberglass **material** with decorative base cover
- ✓ Cobra head **fixture style** for GMD
Similar to Cattlemen & Bee Ridge Road (meets FDOT standards)
- ✓ Decorative **fixture style** for Neighborhoods

Examples of Smart Street Light Poles



Examples of Smart Street Light Poles Cont.





Examples of Smart Street Light Poles Cont..





Key Budget Highlights

No major changes in the budget from our last report

We have finalized the budgets for Phase I & II on the UG portion for FPL and remain under budget by approximately \$645K.

Meanwhile, we are still under negotiations with Comcast.

Frontier will begin work within Phase I and has reduced their scope. The same is being done for their remaining phases, thus reducing budget.



Key Budget Highlights Cont.

	Original Budget	Current Budget/Negotiated	Engineering Deposit/ Materials	
FPL Phase 1	\$4,425,495.93	\$3,781,985.00	\$183,432.00	\$460,078.93
FPL Phase 2	\$7,300,662.88	\$5,629,209.01	\$1,485,841.00	\$185,612.87
Frontier Phase 1	\$339,082.00	\$256,000.00	\$ -	\$83,082.00
Frontier Phase 2	\$375,000.00	\$437,500.00	\$ -	(\$62,500.00)
Comcast Phase 1 & 2	In Negotiations			



Next Steps

- Finalize pole material selections, and fiber design with Waterleaf.
- Bring final P3 Agreements to the Commission for consideration and formal action.
- Staff will develop an Ordinance amending Town Code requirements as it relates to heights, pole design, and aesthetic standards to facilitate Town-wide technology deployment.

THANK YOU!

End of Agenda Item