



TOWN OF PALM BEACH

Town Manager's Office

TENTATIVE -
SUBJECT TO
REVISION

UNDERGROUND UTILITIES TASK FORCE MEETING

TOWN HALL
COUNCIL CHAMBERS-SECOND
FLOOR 360 SOUTH COUNTY ROAD

AGENDA

Tuesday, March 6, 2018

9:00 AM

Welcome!

For information regarding procedures for monitoring or participating in Task Force Meetings, please refer to the end of this agenda.

- I. CALL TO ORDER AND ROLL
Jeffery Smith, Chairman
Donald Gulbrandsen, Vice Chairman
Dennis Bottorff
W. Anthony Dowell
Susan Gary
Nicki McDonald
Thomas Parker
Harry Wolin
- II. PLEDGE OF ALLEGIANCE
- III. APPROVAL OF AGENDA
- IV. COMMUNICATIONS FROM CITIZENS (For Matters Not on the Agenda; 3 Minute Limit Please. Matters on the Agenda may be addressed at the time the item comes up for discussion.)
- V. MINUTES
 - A. UTF Meeting Minutes of February 6, 2018

- VI. TOWNWIDE UNDERGROUND PROJECT STATUS REPORT
- A. **Review of Project & Dashboard, Summary of Project Status**
Steven Stern, Project Manager
 - B. **Whiting-Turner Contracting Company; Phase 1 South Presentation**
Bo Huggins, Superintendent, Whiting Turner Construction
 - C. **Burkhardt Construction, Inc.; Phase 1 North Presentation**
Marc Kleisley, Project Principal, Burkhardt Construction
 - D. **Kimley-Horn Monthly Status Report**
Kevin Schanen, P.E., Kimley-Horn
- VII. AT&T FIBER OPTIC SYSTEM, STATUS UPDATE
Steven Stern, Project Manager
- VIII. CHANGE ORDERS FOR SERVICE CONDUIT, HANDHOLES & SPLICE BOXES
Patricia Strayer, Town Engineer
- IX. PHASE 2 PRECONSTRUCTION SERVICES FOR CMAR
Patricia Strayer, Town Engineer
- X. ANY OTHER MATTERS
- XI. ADJOURNMENT

PLEASE TAKE NOTE:

- The progress of this meeting may be monitored by visiting the Town's website (www.townofpalmbeach.com) and selecting "Your Government" and then selecting "Live Meeting Audio." If you have questions regarding that feature, please contact the Office of Information Technology at (561) 227-6315. The audio recording of the meeting will appear within 24 hours after the conclusion of the meeting under "Agendas, Minutes, and Audio."
- Disabled persons who need an accommodation in order to participate in the Underground Utilities Task Force meeting are requested to contact the Town Manager's Office at 838-5410 or through the Florida Relay Service by dialing 1-800-955-8770 for voice callers or 1-800-955-8771 for TDD callers, at least two (2) working days before this meeting.

PROCEDURES FOR PUBLIC PARTICIPATION

Citizens desiring to address the Task Force should proceed toward the public microphones when the applicable agenda item is being considered to enable the Chair to acknowledge you.

COMMUNICATIONS FROM CITIZENS:

Any citizen is entitled to be heard concerning applicable matters under the section(s) entitled "Communications from Citizens," subject to the three-minute limitation.

OTHER AGENDA ITEMS:

Any citizen is entitled to be heard on any official agenda item when the Task Force calls for public comments, subject to the three-minute limitation.

Task Force Meetings are public business meetings and as such, the Task Force retains the right to limit discussion on any issue.

Post Office Box 2029 * 360 South County Road * Palm Beach, Florida 33480
Telephone (561) 838-5410 * Facsimile (561) 838-5411 * townmanager@townofpalmbeach.com

TOWN OF PALM BEACH

Information for Underground Utility Task Force Meeting on: March 6, 2018

TO: Underground Utility Task Force

VIA: Kirk Blouin, Town Manager

FROM: Steven Stern, Project Manager

CC: Kirk Blouin, Town Manager; Jay Boodheshwar, Deputy Town Manager;
H. Paul Brazil, P.E., Director of Public Works; Jane Struder, Director of Finance;
Patricia Strayer, P.E., Town Engineer; Kevin Schanen, P.E., Kimley-Horn;

RE: Agenda Items for the March 6, 2018 UUTF Meeting

DATE: March 2, 2018

This memorandum and its attachments serve as the written backup material associated with the agenda for your UUTF meeting on March 6th. It follows the order of the items appearing on the UUTF agenda for the meeting.

The substantive items on this agenda are as follows:

V. MINUTES

The minutes for the February 6, 2018 (**Page 6**) meeting are ready for your review and approval. If you find there is an error or omission, please feel free to ask for a correction at the meeting. Your requests will be noted in the minutes of this meeting and staff will make the requested changes to the proposed minutes.

VI. TOWNWIDE UNDERGROUND PROJECT STATUS REPORTING

A. **Review of Project & Dashboard, Summary of Project Status**

Mr. Steven Stern, Project Manager, will review recent undergrounding initiatives and the project dashboard. (**Page 10**).

B. Whiting-Turner Contracting Company; Phase 1 South

Mr. Bo Huggins, Superintendent with Whiting-Turner Construction will present a summary of Phase 1 South project status. **(Page 39).**

C. Burkhardt Construction, Inc.; Phase 1 North

Mr. Marc Kleisley, Project Principal with Burkhardt Construction will discuss Phase 1 North current project status.

D. Kimley-Horn; Monthly Status Report

Mr. Kevin Schanen, P.E., will review his monthly status report on behalf of Kimley-Horn. **(Page 41).**

VII. ATT AT&T FIBER OPTIC SYSTEM, STATUS UPDATE

Mr. Steven Stern, will discuss Staff's progress to negotiate an improved Special Construction Agreement with ATT.

VIII. CHANGE ORDERS FOR SERVICE CONDUIT, HANDHOLES & SPLICE BOXES

Ms. Patricia Strayer will review Staff's recommendation for project change orders enabling Phase 1 construction of ATT and Comcast enhanced communications service infrastructure. **(Page 45).**

IX. PHASE 2 PRECONSTRUCTION SERVICES FOR CMAR

Ms. Patricia Strayer will review Staff's recommendation for Construction Manager at Risk preconstruction services for both Phase 2 North and South. **(Page 48).**



TOWN OF PALM BEACH

Town Clerk's Office

MINUTES OF THE UNDERGROUND UTILITIES TASK FORCE MEETING HELD ON TUESDAY, FEBRUARY 6, 2018

I. CALL TO ORDER AND ROLL

The Underground Utilities Task Force Meeting was called to order on Tuesday, February 6, 2018 at 9:05 a.m. in the Town Council Chambers. On roll call, all Task Force members were found to be present, with the exception of Task Force Member Gulbrandsen. A quorum was present.

II. PLEDGE OF ALLEGIANCE

Chair Smith led the Pledge of Allegiance.

III. APPROVAL OF AGENDA

Motion was made by Task Force member Bottorff, and was seconded by Task Force member Parker, to approve the Agenda. On roll call, the motion passed unanimously.

IV. COMMUNICATIONS FROM CITIZENS - None

V. MINUTES

A. UUTF Meeting Minutes of January 5, 2018

Motion was made by Task Force member Wolin, and was seconded by Task Force member McDonald, to approve the Underground Utility Task Force Meeting Minutes of January 5, 2018. On roll call, the motion passed unanimously.

VI. TOWNWIDE UNDERGROUND PROJECT STATUS REPORT

A. Review of Project & Dashboard, Summary of Project Status
Steven Stern, Project Manager

Project Manager Stern provided an update on FPL's installment of hardened utility poles and upgraded power lines. (He referred to the memorandum dated February

1, 2018 in the back-up which responded to questions regarding FPL hardening feeder lines serving the Town.) Mr. Stern also reported on the project cost savings, communications from the coffee with the crew meetings, easement acquisitions to date, funding plans for future easement acquisitions for Phases 3, 4 and 5, and the AT&T overhead to underground conversion negotiations.

Kevin Schanen, Kimley-Horn, explained the budget vs. schedule chart.

B. Whiting-Turner Contracting Company; Phase 1 South Presentation
Bo Huggins, Superintendent, Whiting Turner Construction

Bo Huggins, Phase 1 South Superintendent, Whiting Turner Construction, gave an overview of the construction project on Ibis Isle which is being connected to South Ocean Boulevard. He gave details regarding decorative streetlights, conduit installation, electrical equipment placement and cable installation. Electrical equipment bases are being installed north of Lake Avenue. Installation of electrical wires in the new conduits has started at the south Town limits.

C. Burkhardt Construction, Inc.; Phase 1 North Presentation
Marc Kleisley, Project Principal, Burkhardt Construction

Marc Kleisley, Project Principal, Burkhardt Construction, gave an overview of the Phase 1 North project. The water main installation is complete and just waiting to tie-in services. He spoke regarding the conduit installation that is 65% complete and about 2 weeks ahead of schedule. Target completion date is on or around the fourth quarter of this year although our schedule shows January/February 2019.

Responding to Task Force Member Dowell, Mr. Stern and Ms. Strayer explained the pole removal process upon completion of the Project.

D. Kimley-Horn Monthly Status Report
Kevin Schanen, P.E., Kimley-Horn

Kevin Schanen, Kimley-Horn reported that a presentation regarding the Master Plan will be made to Town Council in April, 2018. He gave a progress update showing the Design for Phase 2 as being on schedule and on budget with no issues or exceptions to report and have received FPL's preliminary conceptual design for equipment. As to Phase 1, there was a slight delay (2 weeks) due to Hurricane Irma and FPL is trying to make up time due to the delay. Town council gave authorization for Phase 3 Design.

Saves and raves to the elimination of the water main deflection saved \$112K and Patricia Strayer for her assistance with the FDEP Submerged Land Lease process.

VII. EASEMENT ACQUISITION FOR PHASE 2

Steven Stern, Project Manager

Project Manager Stern recommended in-sourcing the easement acquisition functions such as relationship management, administration and the document management functions supporting Phase 2. He gave the difference in cost between out-sourcing and in-sourcing which would result in a savings for the Town.

Task Force member Parker spoke regarding his concerns with staff handling the easement acquisitions.

Motion was made by Task Force Member Bottorff, and was seconded by Task Force Member Gary, to in-source the easement acquisition functions. On roll call, the Motion passed 6-1 with Task Force Member Parker dissenting.

VIII. RESOLUTIONS CREATING THE UUTF

UUTF Discussion

Task Force Member Parker spoke regarding his reasons for considering term limits for the Underground Utilities Task Force. After lengthy discussion the members voted to not have term limits.

Motion was made by Task Force Member Parker, and was seconded by Task Force Member Wolin, to recommend term limits for the Underground Utilities Task Force to the Town Council. On roll call, the Motion failed 2-5, with Task Force Members Bottorff, Dowell, Gary, Smith and McDonald dissenting.

IX. ANY OTHER MATTERS

Task Force member Bottorff brought up the matter of the costs of the various lawsuits regarding the project and requested an update on the costs. Town Manager Bradford explained that the funding for the lawsuits is paid for by Town reserves. The Goldmacher case is on appeal and the Scharf/Kosberg case in the interrogatories phase. Mr. Bottorff requested that an update be placed on the next meeting agenda. Responding to Chair Smith, Manager Bradford replied that the Town has collected \$13 million in prepayments.

Task Force Member Wolin pointed out the misinformation being distributed by Maddy Greenberg via the "Condo News" and asked why the Town has not responded to these articles. Project Manager Stern responded that the inaccuracies were addressed in a newsletter that was distributed to residents. Responding to Task Force Member McDonald's request if the "Condo News" would publish an article from the Town, Manager Bradford stated that they have refused to do so.

Task Force Member Gary requested an update on the last gas leak at the next meeting.

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X. **ADJOURNMENT**

The Underground Utilities Task Force Meeting was adjourned at 11:10 a.m.

APPROVED:

Jeffrey A. Smith
Chair

ATTEST:

Kathleen Dominguez
Town Clerk

Date

TOWN OF PALM BEACH

Information for Underground Utility Task Force on: March 6, 2018

TO: Underground Utility Task Force

VIA: Kirk Blouin, Town Manager

FROM: Steven Stern, Project Manager

RE: **Project Status Update**

DATE: March 2, 2018

1. Communications

Outreach:

- o Friday March 2nd: Cup of Joe with Bo – P1 South
- o Monday March 5th: Coffee with the Crew – P1 North

2. Progress Report & Dashboard Enhancements:

a. Financial Report

The Underground Utilities Financial Report has been enhanced based on UUTF and TC requests:

- Added pages describing summary data for Phase 3, 4 and 5.
- Included additional Easement Expense Acquisition details beginning with Phase 2.
- Added Kimley Horn Opinion of Project Costs for each phase of the project.
- Updated related costs outside of the undergrounding budget inclusive of legal expense.

b. Schedule vs. Budget - % Complete

At the last UUTF meeting we discussed the gap between % Complete of Schedule vs. % Complete of Budget in the progress report. The gap was caused by the completion of activities by utility owners listed in the schedule but have no connection to the Kimley-Horn design budget.

To improve the presentation and reduce confusion Kimley Horn reorganized the Phase 2 Design Gantt chart to separate utility owner tasks from Kimley Horn tasks. This provide a more accurate representation of design schedule with respect to budget.

The revised schedule and progress report are now available and included within this month's update.

c. Dashboard Enhancements

With the undergrounding of utility program progressing, the dashboard requires enhancement to include additional project phases and major tasks. The below milestones which are pending presentation to the Town Council or were recently approved for funding will soon require reporting and tracking.

- o Phase 2 Construction
- o Phase 3 Design
- o Phase 4 Design
- o Phase 3, 4 and 5 Easement Acquisition

3. Additional FPL Credits

On Jan 9th the Florida Public Service Commission provided contingent approval for the FPL's tariff amendments allowing additional CIAC credits for conversion of existing non-hardened overhead feeder facilities to underground feeder facilities. These rates became effective upon the Florida PSC's formal order which cleared the way for FPL to finalize tariff changes with the effective date being February 13, 2018. These additional credits are expected to apply for all phases of the Townwide program and the Nightingale-LaPuerta undergrounding project since these initiatives are not yet completed. Staff has requested FPL provide their estimate of the additional savings the Town should realize as a result of the Tariff approval and filing.



Town Of Palm Beach Utility Undergrounding Program

Report: February 2018

Updates

Combined efforts of FPL & Design Team have made up lost time from Hurricane Irma.

Status Legend

Green (1) - On Task
Yellow (2) - Caution
Red (3) - Not On Task

Design

Phase I Design	Budget	1	99.3% 100%
	Schedule	1	100.0% 100%
Phase II Design	Budget	1	41.4% 100%
	Schedule	1	47.0% 100%

Construction

Phase I North Construction	Budget	1	30.6% 100%
	Schedule	1	36.0% 100%
Phase I South Construction	Budget	1	54.3% 100%
	Schedule	1	35.0% 100%

Easement Acquisition

Phase I Easements	1	100.0%
Phase II Easements	1	0.0% 100%

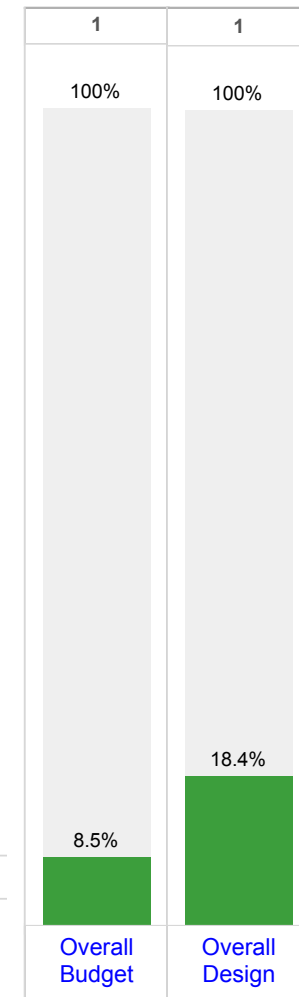
Communications

Communications	Budget	1	34.7% 100%
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Saves And Raves



We have eliminated one transformer from Phase 1 South.





Underground Utility Task Force Monthly Progress Report February 2018

Table of Contents

Dashboard – Phase 1 Construction and Phase 2 Design

1. Kimley-Horn Progress Report Phase 1
2. Kimley Horn Progress Report Phase 2
3. Master Plan Gantt Chart
4. Phase 1 Design Gantt Chart
5. Phase 2 Design Gantt Chart
6. Phase 1 North Construction Schedule
7. Burkhardt Executive Project Summaries
8. Phase 1 South Construction Schedule
9. Whiting Turner Executive Summary
10. Project Financial Report
11. Interest Rate Forecast as of Feb 22, 2018

The following reports will be provided when applicable in future reporting:

- tbd

Dashboard Notes:

- Overall Budget represents the percentage encumbered to date versus the total project budget of \$98.6 million.

Prepared by the Finance Department & TMO
March 1, 2018

Town-Wide Undergrounding Master Planning and Phase 1 Design Project
KHA Project #044063188
February Progress Report
Period: January 25, 2017 to February 24, 2018

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Master Planning is 99% complete
 - North End Design is 100% complete
 - South End Design is 100% complete
- Budget: Project is on budget as of February 15, 2018
 - Master Planning is at 99% of total task budget
 - North End Design is at 100% of total task budget
 - South End Design at 100% of total task budget
- Easement Status
 - Phase 1: 100% of easements approved

B. Master Planning Phase

- Continued coordination with AT&T regarding overall program cost reduction.

C. Detailed Design Phase

- FDOT Landscape Permit Application MMOA services completed with passage of Resolution.
- ERP Permit received and complete.

II. Upcoming Activities (February 25, 2018 – March 24, 2018)

A. Master Planning Phase

- Complete. Provide copies to Town for the record

B. Detailed Design Phase

- Complete



Town-Wide Undergrounding - Phase 2 Design
KHA Project #044063202
February 2018 Progress Report
Period: January 26 to February 25, 2018

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below.
 - Phase 2 North Design is 51% complete
 - Phase 2 South Design is 43% complete
- **Budget:** Project is on budget as of February 15, 2017
 - Phase 2 North Design is at 37% of total task budget
 - Phase 2 South Design at 36% of total task budget
- **Easement Status**
 - Phase 2 North: 3% of easements approved
 - Phase 2 South: N/A, will provide status once this commences.

B. Detailed Design Phase

- Subconsultant/utility owner coordination related to Phase 2 Design
- Continued field review of proposed equipment locations with photographs to determine existing field constraints
- Review of soft dig information received from subconsultant
- Preparation of Equipment Location Plans to illustrate service lines, equipment and easement locations. Submittal of Phase 2 North Equipment Location Plans to Town
- Coordination with FPL for significant concept design revision requests
- Coordination with Mock-Roos for equipment locations in Phase 2 South. Review of concept equipment locations provided by FPL for Phase 2 South.
- Commenced resident meetings for easement acquisition in phase 2 North.
- Submitted Phase 2 North equipment location plan to AT&T and Comcast to begin their design.

II. Upcoming Activities (February 26, 2018 – March 25, 2018)

A. Detailed Design Phase

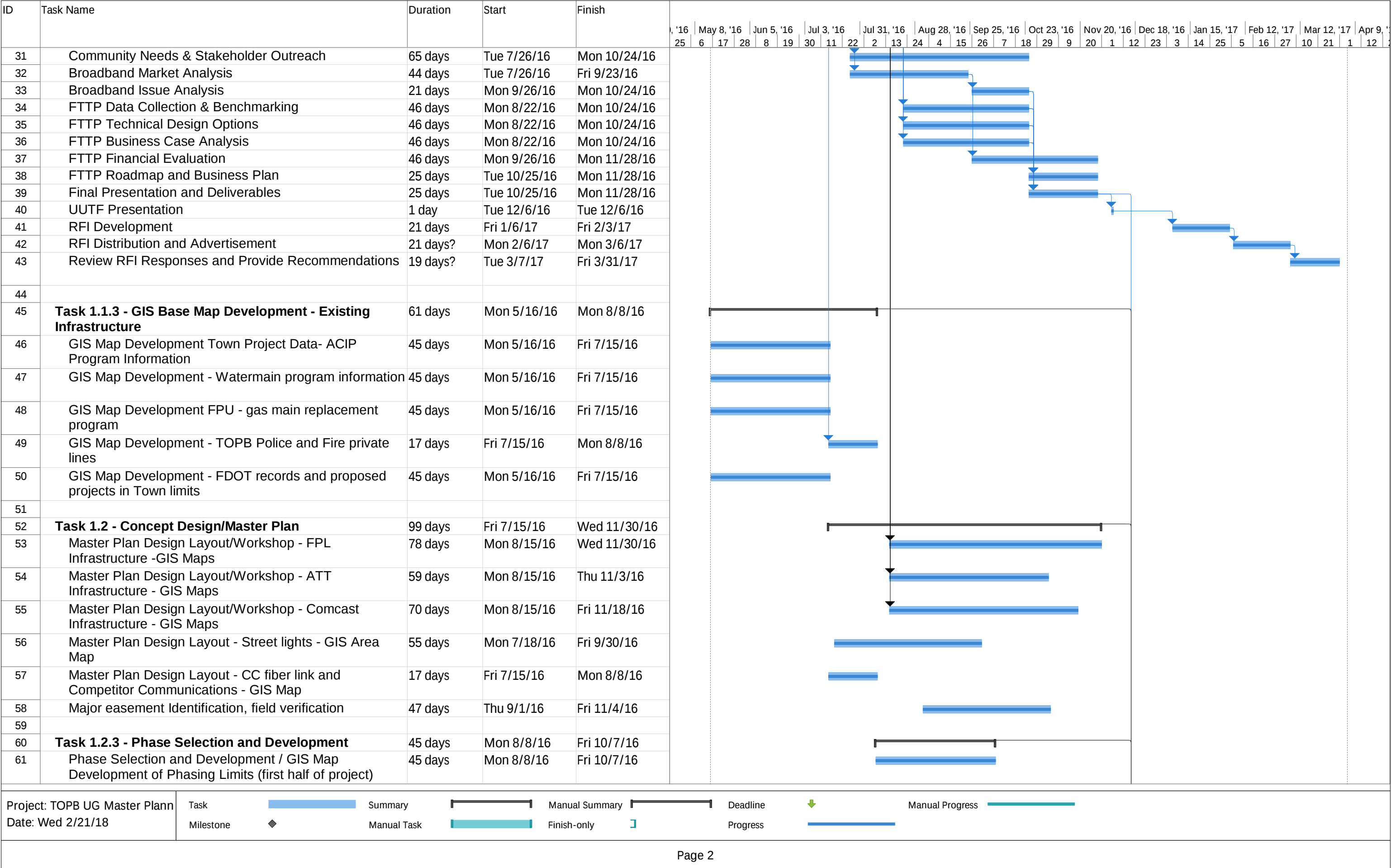
- Subconsultant/utility owner coordination related to Phase 2 Design.
- Conduct field review of proposed equipment locations in Phase 2 South, develop easement exhibits, submit to Town.
- Continue resident meetings in Phase 2 North and commence the same in Phase 2 South.
- Submit Equipment Location Plans to Town, AT&T and Comcast for Phase 2 South.
- Continue progress on design drawings towards the development of the conduit location plans.

II. Upcoming Activities (February 26, 2018 – March 25, 2018), Continued

- Coordination with AT&T and Comcast related to their network designs
- Progress Meeting Attendance
- Assist Town with AT&T Negotiations

III. Saves and Raves

- A. *Saves*: We were able to eliminate an open delta transformer bank adjacent to the Par 3 Golf Course
- B. *Raves*: Combined efforts of FPL and Design Team have been able to make up the time lost by the Hurricane



ID	Task Name	Duration	Start	Finish																																		
					, '16	May 8, '16	Jun 5, '16	Jul 3, '16	Jul 31, '16	Aug 28, '16	Sep 25, '16	Oct 23, '16	Nov 20, '16	Dec 18, '16	Jan 15, '17	Feb 12, '17	Mar 12, '17	Apr 9, '17																				
62					25	6	17	28	8	19	30	11	22	2	13	24	4	15	26	7	18	29	9	20	1	12	23	3	14	25	5	16	27	10	21	1	12	2
63	Task 1.2.4 - Engineers Opinion of Probable Construction Cost	63 days	Mon 9/5/16	Wed 11/30/16																																		
64	Development of Overall OPC and year-by-year cost projection	63 days	Mon 9/5/16	Wed 11/30/16																																		
65																																						
66	Task 1.3 - Project Sequencing and Phasing	125 days	Mon 5/16/16	Fri 11/4/16																																		
67	Task 1.3.1 - Schedule Collection - Outside Projects (ACIP, City, Town, FPU, FDOT, etc.)	35 days	Mon 5/16/16	Fri 7/1/16																																		
68	Task 1.3.2 - Master Schedule Development	60 days	Mon 8/15/16	Fri 11/4/16																																		
69																																						
70	Task 1.4 - Assessment of Traffic Impacts	78 days	Mon 8/15/16	Wed 11/30/16																																		
71	Develop Traffic Control Notes/Overall Plan	35 days	Mon 8/15/16	Fri 9/30/16																																		
72	Develop General Project Zones	32 days	Thu 9/1/16	Fri 10/14/16																																		
73	Develop GIS Map for MOT Plan	43 days	Mon 10/3/16	Wed 11/30/16																																		
74																																						
75	Task 1.5 - Project Delivery Methods	45 days?	Wed 8/17/16	Tue 10/18/16																																		
76	Meeting with Town to review delivery method criteria	1 day	Wed 8/17/16	Wed 8/17/16																																		
77	Develop general selection criteria based on project phase complexity, phasing, etc.	26 days	Fri 8/19/16	Fri 9/23/16																																		
78	Develop delivery method recommendations for each Phase of Project	15 days?	Mon 9/26/16	Fri 10/14/16																																		
79	Review recommendations with Town	1 day	Tue 10/18/16	Tue 10/18/16																																		
80																																						
81	Task 1.6 - Master Plan Document	90 days	Mon 9/5/16	Fri 1/6/17																																		
82	Develop master plan document to describe process undertaken, present design criteria, public vetting process and recommendations	74 days	Mon 9/5/16	Thu 12/15/16																																		
83	Submit to Town Staff	1 day	Fri 12/16/16	Fri 12/16/16																																		
84	Town Staff Review	15 days	Mon 12/19/16	Fri 1/6/17																																		
85																																						
86	Refine Master Plan based on Town Comments	60 days	Mon 1/9/17	Fri 3/31/17																																		
87	UUTF Meeting to Present MP	1 day?	Tue 4/4/17	Tue 4/4/17																																		

Project: TOPB UG Master Plann
Date: Wed 2/21/18

Task

Milestone

Summary

Manual Task

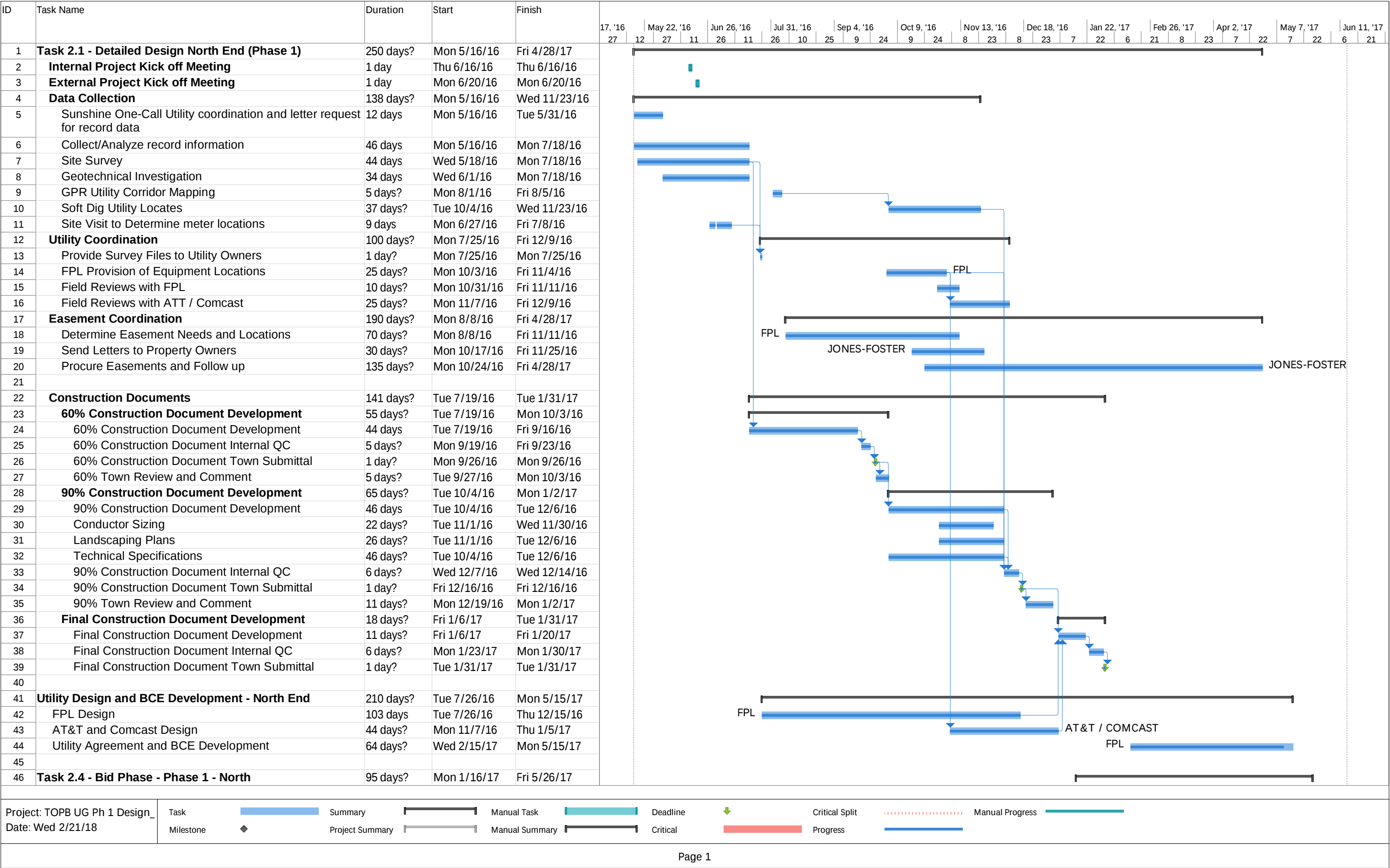
Manual Summary

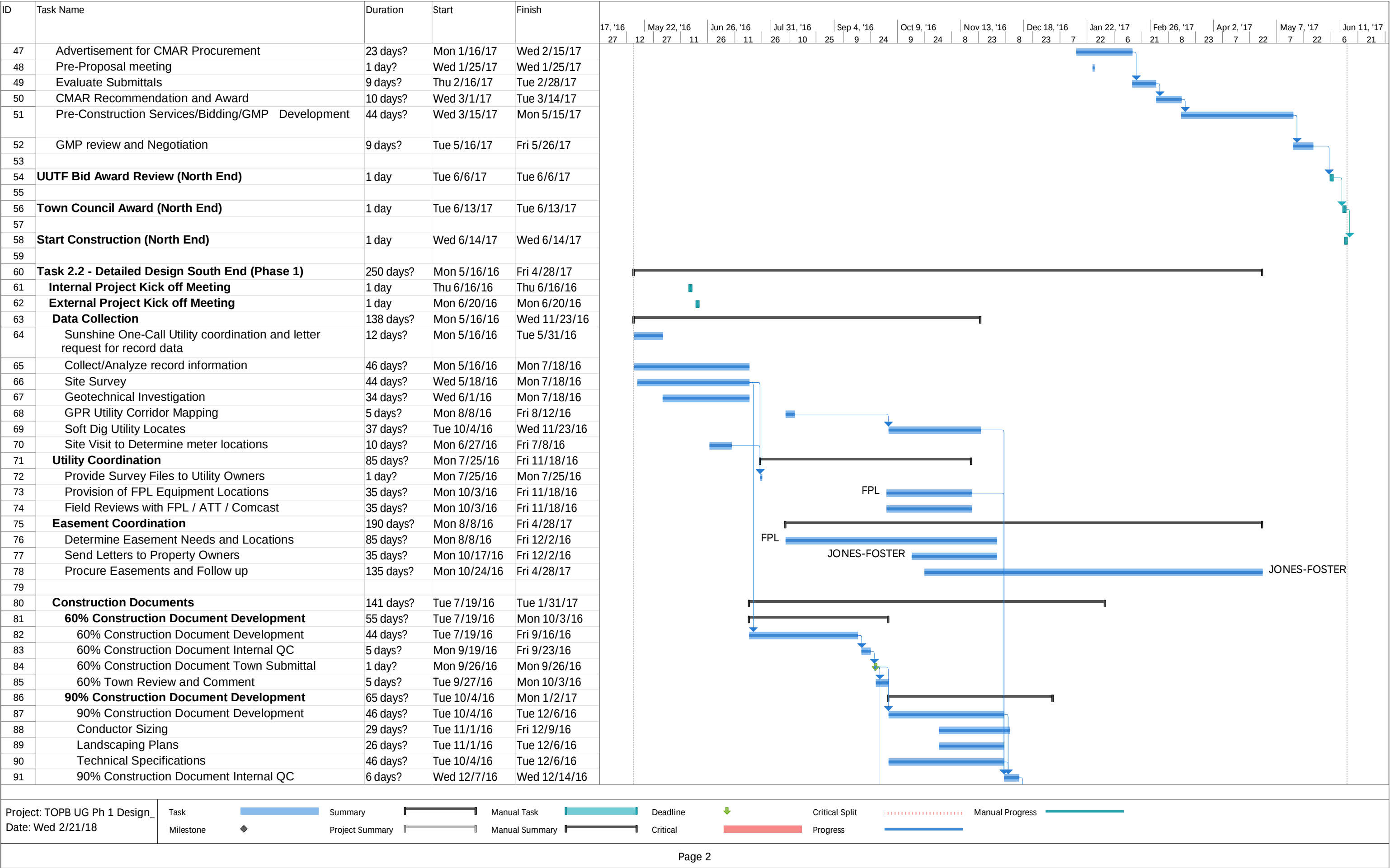
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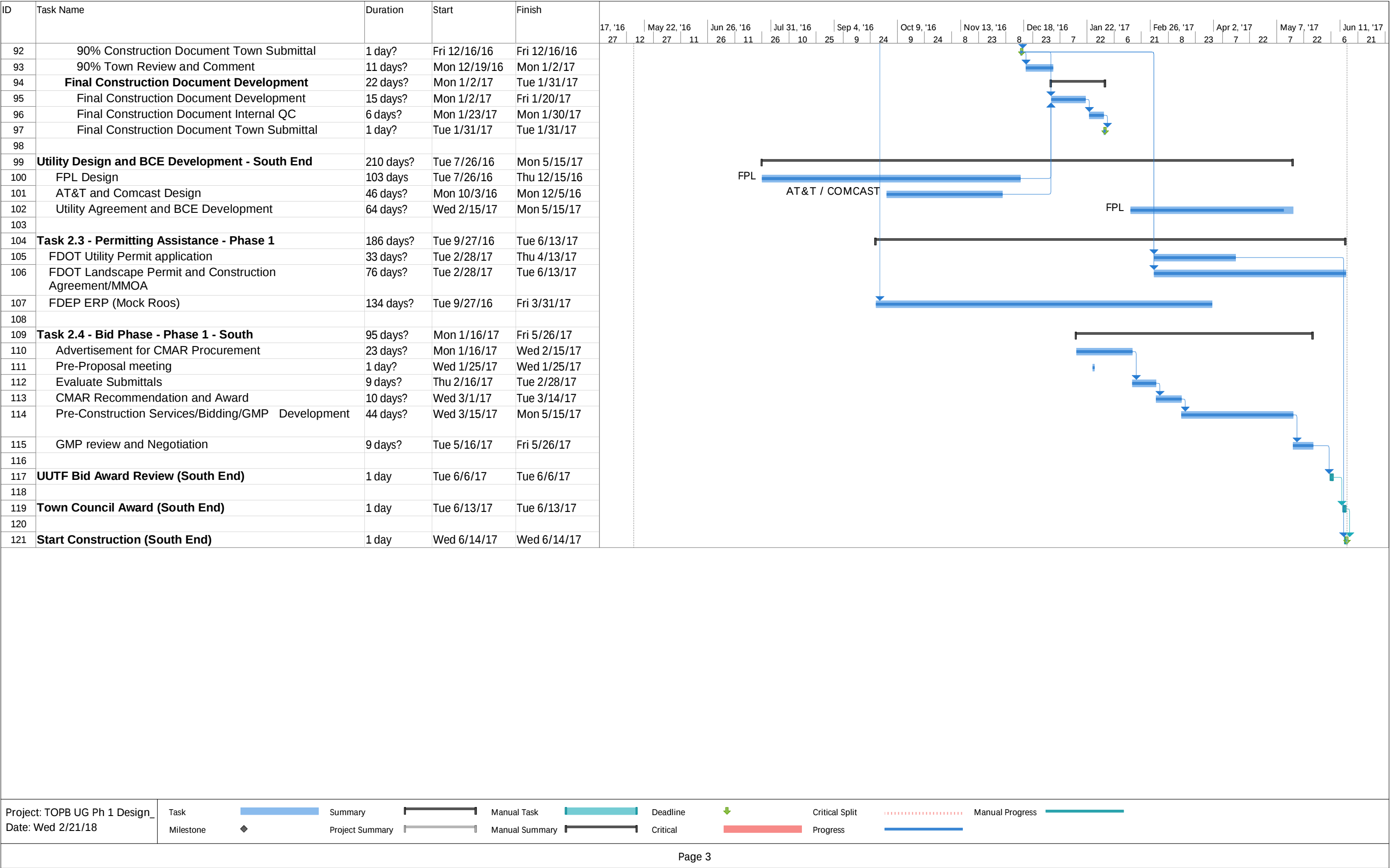
Deadline

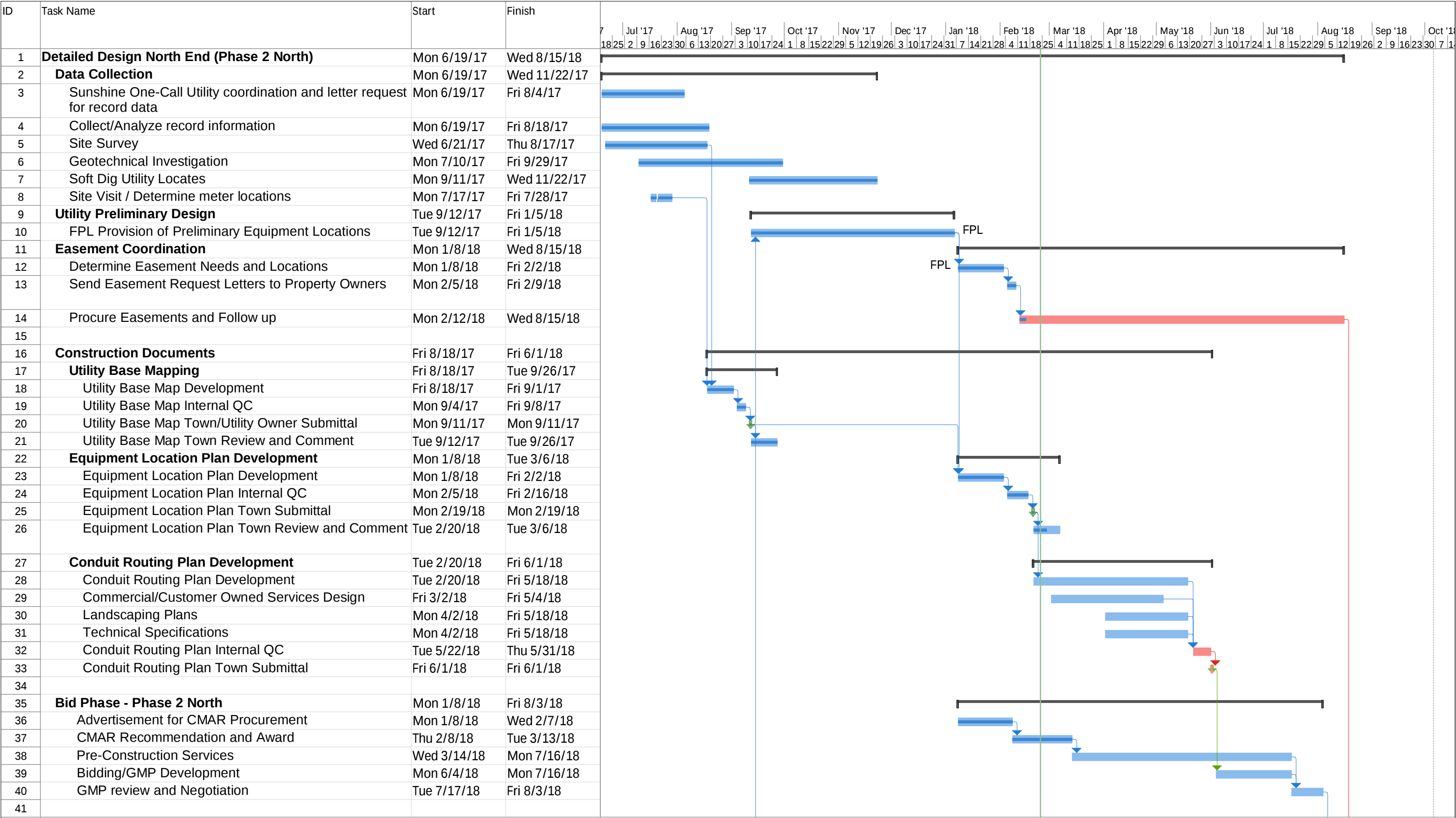
Progress

Manual Progress









Project: TOPB UG Ph 2 Design
Date: Sat 2/24/18

Task

Milestone

Summary

Project Summary

Manual Task

Manual Summary

Deadline

Critical

Progress

Manual Progress

Vincent G. Burkhardt
President



Executive Summary

Vincent G. Burkhardt
President



Executive Summary
For
January 2018

Project Description

Townwide Overhead Utility Undergrounding
Phase 1 North
P.O. # 171308

Project Status:

The crews returned back to the site on January 2, 2018 after the holiday shut down. The two horizontal directional drilling crews mainly worked on Arabian and Caribbean Roads along with North Ocean Way installing the FPL, AT & T, and COMCOAST conduits.

The third crew that installs the service tie in lines mainly worked along Arabian Road and Caribbean Road. As the service line crew continued with their work they also installed a few concrete transformer pads.

The project continues to remain within budget and is on schedule.

Vincent G. Burkhardt
President



Executive Summary
For
January 2018

Project Description

Townwide Utility Undergrounding
Onondaga Avenue & Laurie Lane Improvements
Phase 1 North
P.O. # 171308

Project Status:

The crew returned back to the site on January 2, 2018 after the resident requested Holiday shut down. They finished the water main along the south leg of East Inlet. They also constructed the water service lines towards the residential meters. Once all piping was completed the crew reconstructed the trench and made the necessary roadway repairs including asphalt.

The newly constructed water main was flushed and chlorinated. Once that operation was completed the sample points were installed and the bacteriological testing began. At this point we are awaiting final clearances from the City of West Palm Beach and the Health Department. Once the clearances are obtained the residential services along with the fire hydrants will be switched over to the new system.

The project continues to stay within budget.

TOWN-WIDE OVERHEAD UTILITY UNDERGROUNDING PHASE 1 NORTH SCHEDULE RFQ No. 2017-14																															
ID	Task Name	% Complete	Duration	Start	Finish													2018												2019	
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb				
1	Phase I - NORTH	36%	420 days?	Mon 6/12/17	Fri 1/18/19																										
2	Fully Executed Non-GAF Agreement	100%	23 days	Mon 6/12/17	Wed 7/12/17																										
3	Copy Of Executed Easements	100%	23 days	Mon 6/12/17	Wed 7/12/17																										
4	Fully Executed Applicant Installed Agreement With FPL	100%	23 days	Mon 6/12/17	Wed 7/12/17																										
5	Fully Executed R/O/W Agreement With FPL	100%	23 days	Mon 6/12/17	Wed 7/12/17																										
6	Fully Executed Agreement With COMCAST / AT & T	50%	23 days	Mon 6/12/17	Wed 7/12/17																										
7	Town Council Approval	100%	1 day	Tue 6/13/17	Tue 6/13/17																										
8	Award Prime Contract	100%	13 days	Wed 6/14/17	Fri 6/30/17																										
9	Permitting	100%	15 days	Mon 6/26/17	Fri 7/14/17																										
10	Customer Owned Service Connection Permitting	0%	15 days	Mon 6/26/17	Fri 7/14/17																										
11	Sub Contract Agreements	100%	23 days	Wed 6/14/17	Fri 7/14/17																										
12	Material Procurement	100%	11 days	Fri 6/30/17	Fri 7/14/17																										
13	Underground Conduit Installation, Primary/Secondary (FPL, ATT, Comcast)	85%	225 days	Mon 7/17/17	Fri 5/25/18																										
14	Feeder Splice Box Installation	20%	15 days	Thu 10/12/17	Wed 11/1/17																										
15	Set Transformers / Switch Cabinets (FPL)	10%	75 days	Sun 2/4/18	Thu 5/17/18																										
16	Secondary Services / Wire	25%	138 days	Tue 2/20/18	Thu 8/30/18																										
17	As-Built Submission / Review (FPL)	15%	47 days	Tue 2/20/18	Wed 4/25/18																										
18	Pull Wire / Terminations Primary (FPL)	0%	81 days	Tue 2/20/18	Tue 6/12/18																										
19	*ATT Rod Conduit, Pull Wire, Set Pedestals	0%	133 days	Tue 2/27/18	Thu 8/30/18																										
20	*Comcast Pull Wire, Set Pedestals	0%	133 days	Tue 2/27/18	Thu 8/30/18																										
21	Cut over / Overhead Removal (ATT/Comcast)	0%	45 days	Mon 9/3/18	Fri 11/2/18																										
22	Energize Underground (FPL)	0%	30 days	Sun 6/10/18	Thu 7/19/18																										
23	Secondary Service Switch Over (FPL)	0%	113 days	Mon 6/11/18	Wed 11/14/18																										
24	** Demo Overhead / Remove Poles (FPL) / Final Restoration	0%	90 days	Mon 9/17/18	Fri 1/18/19																										
25	*This Work Will Be Performed By ATT/COMCAST Crews, All Other Work Is Anticipated To Be Performed By A Subcontractor Under The Direction Of Burkhardt Construction, Inc.	0%																													
26	**This Work Must Be Performed By FPL Crews, All Other Work Is Anticipated To Be Performed By A Subcontractor Under The Direction Of Burkhardt Construction, Inc.	0%																													
27	Storm Drainage	90%	45 days	Mon 7/17/17	Fri 9/15/17																										
28	Water Main	95%	79 days	Sun 10/15/17	Wed 1/31/18																										

DATED 02/28/18
CURRENT PERCENT COMPLETED 36%

Page 1

BURKHARDT
CONSTRUCTION, INC.

SAFETY

Monthly safety inspections are conducted by WT Regional Safety Director. Daily safety inspections conducted by onsite staff.

- ◆ 0 lost time incidents to date
- ◆ 0 recordable incidents to date

CONSTRUCTION

- ◆ S. Ocean Blvd (Watermain Deflection Crew) - Complete
- ◆ S. Ocean Blvd (Electrical Undergrounding Crew) - Current location just south of Sloan's Curve. Undergrounding Crews are continuing to conduct exploratory work, to minimize the potential impact of any unforeseen conditions. Approx. 97% of feeder & primary conduit is completed on S. Ocean Blvd. Approx. 75% of concrete vaults and pads for transformers and switches have been installed. Pulling of feeder and primary cable started. Approximately 20% of cable pulled to date.
- ◆ Ibis Isle Undergrounding Crew has completed FPL primary, Comcast, and AT&T conduit and cable installation along Ibis Isle Road East and West. Transformer pads and splice boxes along Ibis Isle Road East and West completed. Conduit installation along Ibis Way per the FDEP permit for the subaqueous bridge crossing completed. AT&T service conduit to each home from the ROW on Ibis Isle is being added to WT's scope of work. Pricing currently under review with the Town.

DOCUMENTATION:

RFIs:

- A. 14 RFIs issued to date
- B. 1 Outstanding RFI

SUBMITTALS:

- A. 42+ Individual Submittals Processed
- B. 0 Submittal Package Currently Under Review
- C. 0 Submittal Packages Pending Submission to A/E

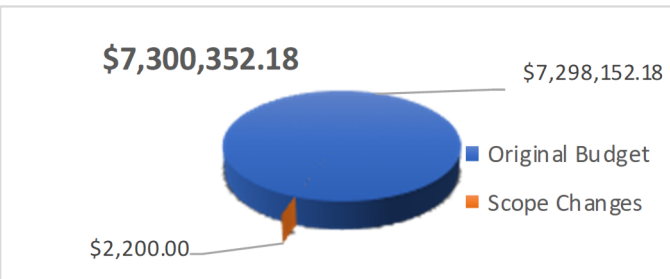
DRAWINGS: Added Scopes of Work

- A. Post GMP Phipps Ocean Park Restroom Building received January 18th from TOPB.
- B. Post GMP Phipps Ocean Park (North) Lighting—Undergrounding of electrical.
- C. Post GMP A-41 Wastewater Pump Station received January 12th from TOPB
- D. Post GMP Ibis Bridge Watermain Crossing received December 12, 2017 from KHA.

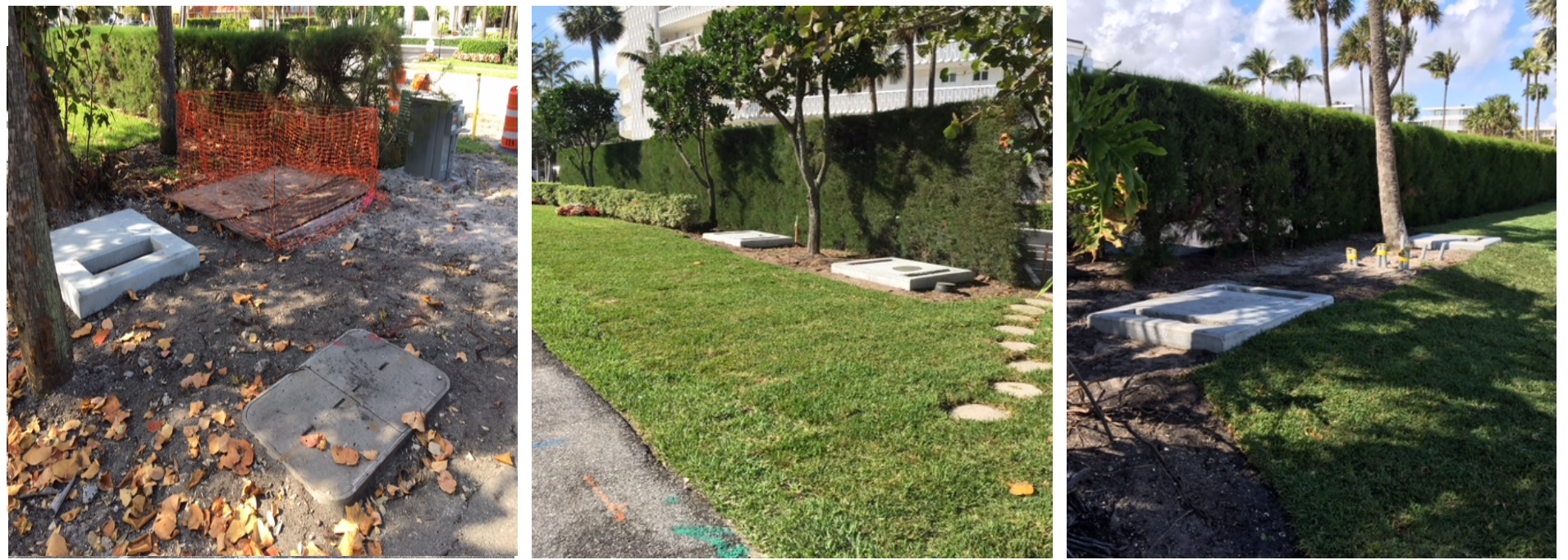
RELEVANT POTENTIAL CHANGES:

- A. FPL Line Drawing Changes to Ibis Isle Scope of Work
- B. Reduction in S. Ocean Boulevard Street Lighting Scope of Work
- C. Additional AT&T Fiber Conduits at Ibis Isle per the Town's request

FINANCIALS—BUDGET VS. COSTS



Current GMP Amount	—	\$7,300,352.18
Approved Owner Initiated Scope Changes	—	\$2,200.00
Gross Billings to Date (\$)	—	\$2,614,560.76
Gross Billings to Date (%)	—	36%
Schedule % Completed	—	35%



SCHEDULE SUMMARY

S. Ocean Undergrounding -Sta 11+10 to Sta 243+66									
1500	ATT Conduit Installation	10	4	29AUG17 A	05FEB18				ATT Conduit Installation
1505	Comcast Conduit Installation	10	4	29AUG17 A	05FEB18				Comcast Conduit Installation
1512	FPL Feeder Splice Box Installation	20	8	23OCT17 A	09FEB18				FPL Feeder Splice Box Installation
1545	Service Sweep Condu /Set Equip Pads/Splice Boxes	75	12	27SEP17 A	15FEB18				Service Sweep Condu /Set Equip Pads/Splice Boxes
1543	FPL Feeder & Primary Conduits Installation	75	15	04SEP17 A	20FEB18				FPL Feeder & Primary Conduits Installation
1547	WT's Sub provides As-Built's for FPL/TPB/K-H	5	4	29DEC17 A	21FEB18				WT's Sub provides As-Built's for FPL/TPB/K-H
1507	ATT Vault (Installed by W-T's Sub)	15	15	06FEB18	26FEB18				ATT Vault (Installed by W-T's Sub)
1509	WT's Sub provide As-Built's for ATT/Comcast	5	4	01NOV17 A	02MAR18				WT's Sub provide As-Built's for ATT/Comcast
1550	FPL Transformer Pad Installation	20	15	01NOV17 A	08MAR18				FPL Transformer Pad Installation
1514	ATT/Comcast review as-built/inspect/procure wire	20	20	05MAR18	30MAR18				ATT/Comcast review as-built/inspect/procure wire
Ibis Isle									
3055	WT's Sub provides as-builts for FPL/TPB/KH	5	3	03JAN18 A	13FEB18				WT's Sub provides as-builts for FPL/TPB/KH
IMP 3011	Additional ATT Fiber Conduit CO Approval	10	8	10NOV17 A	13FEB18				Additional ATT Fiber Conduit CO Approval
3045	Set Equip/PME/Terminations	30	5	06NOV17 A	15FEB18				Set Equip/PME/Terminations
3047	Transformer Installation	30	5	13NOV17 A	15FEB18				Transformer Installation
IMP 3012	Additional ATT Fiber Conduit Installation	10	10	14FEB18	27FEB18				Additional ATT Fiber Conduit Installation
3049	Pull Primary & Service Wire	30	10	27NOV17 A	01MAR18				Pull Primary & Service Wire
3035	ATT/Comcast Reviews as-builts/inspect/procure	20	20	07FEB18	06MAR18				ATT/Comcast Reviews as-builts/inspect/procure

SCHEDULE NOTES / IMPACTS:

- Town recently provided FPL with payment for Street Lighting materials. W-T to install conduit and boxes only.
- Additional AT&T Fiber Conduit at Ibis Isle requested by the Town. Proposal currently with the Town/KHA pending approval. This work currently on hold until further directives are received. This will delay AT&T from beginning their scope of work (pulling wire etc). Delay is not expected to impact the overall project completion date.
- Scope of work associated with Ibis Isle Subaqueous Crossing per FDEP Permit completed.

Underground Utility Project Budget
Project Financial Summary
February 28, 2018

Expenditures	Budget	Actual	% Expended
Phase 1			
Phase 1 Design	\$ 1,310,829	\$ 1,302,128	99.3%
Phase 1 Utility Costs	\$ 48,608	\$ 48,608	100.0%
Phase 1 Construction	\$ 8,536,041	\$ 3,450,385	40.4%
Phase 1 Construction Utility Costs	\$ 1,850,970	\$ 1,236,770	66.8%
Phase 1 Construction Engineering	\$ 568,532	\$ 186,915	32.9%
Phase 1 Easements	\$ 301,359	\$ 301,359	100.0%
Total Phase 1	\$ 12,616,339	\$ 6,526,166	51.7%
Phase 2			
Phase 2 Design	\$ 806,512	\$ 333,553	41.4%
Easement Acquisition	\$ 290,676	\$ 13,718	4.7%
Total Phase 2	\$ 1,097,188	\$ 347,271	31.7%
Phase 3	\$ 273,389	\$ 357,810	130.9%
Phase 4	\$ 74,417	\$ -	0.0%
Phase 5	\$ 74,417	\$ -	0.0%
Other			
Other Project Costs	\$ 980,414	\$ 1,138,628	116.1%
Total Project Costs To Date	\$ 14,825,488	\$ 8,356,157	56.4%
Total Other Costs Outside Underground Budget	\$ 794,169	\$ 821,798	103.5%
Total Underground Project Costs	\$ 15,619,657	\$ 9,177,955	58.8%
Total Project Budget	\$ 98,600,000		
% Budgeted/Encumbered To Date Project Costs	15.04%		
% Spent to Date - Project Costs	8.47%		

Project Revenues Received

Revenues	Budget	Actual	% Expended
Revenues			
Prepaid Assessments Reserved		\$ 11,237,219	0.0%
Assessment Revenue Reserved	\$ 5,080,000	\$ 3,831,728	75.4%
Commercial Paper	\$ 22,155,000	\$ 12,511,000	56.5%
Town Owned Property Prepaid Assessments	\$ 2,797,291	\$ 2,797,291	100.0%
Interest	\$ 12,000	\$ 33,236	277.0%
1 Cent Sales Tax	\$ 2,500,000	\$ 316,750	
Other			
Donations - Civic Association	\$ 49,250	\$ 49,250	100.0%
Transfer from (307) Fund CIP	\$ 760,200	\$ 760,200	
Total Project Revenues	\$ 33,353,741	\$ 31,536,674	94.6%

Underground Utility Project Budget
Phase 1 Project Costs
February 28, 2018

	Budget	Actual	% Expended
Phase 1 OPC	11,950,000		
Project Engineering			
Task 2.1 - Detailed Design North End	472,063	472,063	100.0%
Task 2.2 - Detailed Design South End	619,411	619,411	100.0%
Task 2.3 - Permitting Assistance	17,790	17,790	100.0%
Task 2.4 - Bid Phase Assistance	42,166	42,166	100.0%
Task 2.5 - Meetings - Design Phase	125,399	125,383	100.0%
Legal Sketch and Description - Easements	34,000	25,315	74.5%
Subtotal Design Phase	\$ 1,310,829	\$ 1,302,128	99.3%
Utility Costs (FPL)			
FPL Engineering for Binding Cost Estimate	\$ 38,608		
North End Design		10,595	
South End Design		28,013	
Total FPL Engineering Costs for Design	\$ 38,608	\$ 38,608	100.0%
Utility Costs (AT&T and Comcast)			
AT&T North End Design		5,000	
AT&T South End Design		5,000	
Total Utility Costs (AT&T and Comcast)	\$ 10,000	\$ 10,000	100.0%
Construction Costs			
Phase 1 North Construction			
Preconstruction	\$ 19,720	19,720	100.0%
Burkhardt Construction	\$ 3,798,144	1,201,521	31.6%
Utility Costs (FPL, Comcast, AT&T)	\$ 476,776	96,884	20.3%
Construction Engineering (KH)	\$ 253,532	75,366	29.7%
	\$ 4,548,172	\$ 1,393,491	30.6%
Phase 1 South Construction			
Preconstruction	\$ 22,200	22,200	100.0%
Whiting Turner Construction	\$ 4,695,977	2,206,944	47.0%
Utility Costs (FPL, Comcast, AT&T)	\$ 1,374,193	1,139,886	82.9%
Construction Engineering (KH)	\$ 315,000	111,550	35.4%
	\$ 6,407,370	\$ 3,480,580	54.3%
Legal Costs/Easement Acquisition - Jones Foster	\$ 301,359	\$ 301,359	100.0%
Total Phase 1 Costs	\$ 12,616,339	\$ 6,526,166	51.7%

Underground Utility Project Budget
Phase 2 Project Costs
February 28, 2018

	Budget	Actual	% Expended
Phase 2 Opinion of Cost	\$ 9,260,000		
Phase 2 Design			
Kimley Horn			
Task 1.1 Phase 2 North Design	\$ 281,304	\$ 147,685	52.5%
Task 1.2 Phase 2 South Design	\$ 335,353	\$ 167,677	50.0%
Task 1.3 Permitting Assistance North	\$ 5,779	\$ -	0.0%
Task 1.3 Permitting Assistance South	\$ 6,895	\$ -	0.0%
Task 1.4 Bid Phase Assistance North	\$ 18,498	\$ -	0.0%
Task 1.4 Bid Phase Assistance South	\$ 22,067	\$ -	0.0%
Task 1.6 Meetings North	\$ 62,297	\$ 18,192	29.2%
Task 1.6 Meetings South	\$ 74,320	\$ -	0.0%
Total Phase 2 Design	\$ 806,512	\$ 333,553	41.4%
Utility Costs (FPL)			
FPL Engineering for Binding Cost Estimate			
North End Design			
South End Design			
Total FPL Engineering Costs for Design	\$ -	\$ -	0%
Utility Costs (AT&T and Comcast)			
AT&T and Comcast North End Design			
AT&T and Comcast South End Design			
Total Utility Costs (AT&T and Comcast)	\$ -	\$ -	0%
Construction Costs			
Phase 2 North Construction			
Preconstruction			
Burkhardt Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 2 North Construction	\$ -	\$ -	0.0%
Phase 2 South Construction			
Preconstruction			
Whiting Turner Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 2 South Construction	\$ -	\$ -	0.0%
Easement Acquisition			
<i>Kimley Horn Easement Assistance</i>			
Task 1.5 Easement Assistance North	\$ 64,936	\$ 12,638	19.5%
Task 1.5 Easement Assistance South	\$ 77,466	\$ -	0.0%
<i>Surveys</i>			
Task 1.7 Legal Sketch North	\$ 14,020	\$ 1,080	7.7%
Task 1.7 Legal Sketch South	\$ 16,725	\$ -	0.0%
Jones Foster - Legal	\$ 93,924		
American Acquisition Group	\$ -		
Temp Services	\$ 20,000		
Recording Costs	\$ 3,605		
Total Easement Acquisition Costs	\$ 290,676	\$ 13,718	4.7%
Total Phase 2 Costs	\$ 1,097,188	\$ 347,271	31.7%

Underground Utility Project Budget
Phase 3 Project Costs
February 28, 2018

	Budget	Actual	% Expended
Phase 3 Opinion of Cost	\$ 10,940,000		
Phase 3 Design			
Kimley Horn			
Task 1.1 Phase 3 North Design			0.0%
Task 1.2 Phase 3 South Design			0.0%
Task 1.3 Permitting Assistance North			0.0%
Task 1.3 Permitting Assistance South			0.0%
Task 1.4 Bid Phase Assistance North			0.0%
Task 1.4 Bid Phase Assistance South			0.0%
Task 1.6 Meetings North			0.0%
Task 1.6 Meetings South			0.0%
Total Phase 3 Design	\$ -	\$ -	0.0%
Utility Costs (FPL)			
FPL Engineering for Binding Cost Estimate			
North End Design			
South End Design			
Total FPL Engineering Costs for Design	\$ -	\$ -	0.0%
Utility Costs (AT&T and Comcast)			
AT&T and Comcast North End Design			
AT&T and Comcast South End Design			
Total Utility Costs (AT&T and Comcast)	\$ -	\$ -	0.0%
Construction Costs			
Phase 3 North Construction			
Preconstruction			
Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Daniella Construction - Nightingale/LaPuerta - Townwide portion		\$ 243,470	
FPL Nightingale/LaPuerta - Townwide Portion		\$ 74,900	
Comcast Nightingale/LaPuerta - Townwide Portion		\$ 8,885	
AT&T Nightingale/LaPuerta Townwide Portion		\$ 30,555	
Total Phase 3 North Construction	\$ -	\$ 357,810	0.0%
Phase 3 South Construction			
Preconstruction			
Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 3 South Construction	\$ -	\$ -	0.0%
Easement Acquisition			
<i>Kimley Horn Easement Assistance</i>			
Task x.x Easement Assistance North	\$ 68,343		0.0%
Task x.x Easement Assistance South	\$ 167,610		0.0%
<i>Surveys</i>	\$ 37,436		
Task x.x Legal Sketch North			
Task x.x Legal Sketch South			
Jones Foster - Legal			
American Acquisition Group			
Temp Services			
Recording Costs			
Total Easement Acquisition Costs	\$ 273,389	\$ -	0.0%
Total Phase 3 Costs	\$ 273,389	\$ 357,810	130.9%

Underground Utility Project Budget
Phase 4 Project Costs
February 28, 2018

	Budget	Actual	% Expended
Phase 4 Opinion of Cost	\$10,420,000		
Phase 4 Design			
Kimley Horn			
Task 1.1 Phase 4 North Design			0.0%
Task 1.2 Phase 4 South Design			0.0%
Task 1.3 Permitting Assistance North			0.0%
Task 1.3 Permitting Assistance South			0.0%
Task 1.4 Bid Phase Assistance North			0.0%
Task 1.4 Bid Phase Assistance South			0.0%
Task 1.6 Meetings North			0.0%
Task 1.6 Meetings South			0.0%
Total Phase 4 Design	\$ -	\$ -	0.0%
Utility Costs (FPL)			
FPL Engineering for Binding Cost Estimate			
North End Design			
South End Design			
Total FPL Engineering Costs for Design	\$ -	\$ -	0.0%
Utility Costs (AT&T and Comcast)			
AT&T and Comcast North End Design			
AT&T and Comcast South End Design			
Total Utility Costs (AT&T and Comcast)	\$ -	\$ -	0.0%
Construction Costs			
Phase 4 North Construction			
Preconstruction			
Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 4 North Construction	\$ -	\$ -	0.0%
Phase 4 South Construction			
Preconstruction			
Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 4 South Construction	\$ -	\$ -	0.0%
Easement Acquisition			
<i>Kimley Horn Easement Assistance</i>	\$ 69,451		
Task x.x Easement Assistance North			
Task x.x Easement Assistance South			
<i>Surveys</i>	\$ 4,967		
Task x.x Legal Sketch North			
Task x.x Legal Sketch South			
Jones Foster - Legal			
American Acquisition Group			
Temp Services			
Recording Costs			
Total Easement Acquisition Costs	\$ 74,417	\$ -	0.0%
Total Phase 4 Costs	\$ 74,417	\$ -	0.0%

Underground Utility Project Budget
Phase 5 Project Costs
February 28, 2018

	Budget	Actual	% Expended
Phase 5 Opinion of Cost	\$14,270,000		
Phase 5			
Kimley Horn			
Task 1.1 Phase 5 North Design			0.0%
Task 1.2 Phase 5 South Design			0.0%
Task 1.3 Permitting Assistance North			0.0%
Task 1.3 Permitting Assistance South			0.0%
Task 1.4 Bid Phase Assistance North			0.0%
Task 1.4 Bid Phase Assistance South			0.0%
Task 1.6 Meetings North			0.0%
Task 1.6 Meetings South			0.0%
Total Phase 5 Design	\$ -	\$ -	0.0%
Utility Costs (FPL)			
FPL Engineering for Binding Cost Estimate			
North End Design			
South End Design			
Total FPL Engineering Costs for Design	\$ -	\$ -	0.0%
Utility Costs (AT&T and Comcast)			
AT&T and Comcast North End Design			
AT&T and Comcast South End Design			
Total Utility Costs (AT&T and Comcast)	\$ -	\$ -	0.0%
Construction Costs			
Phase 5 North Construction			
Preconstruction			
Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 5 North Construction	\$ -	\$ -	0.0%
Phase 5 South Construction			
Preconstruction			
Construction			
Utility Costs (FPL, Comcast, AT&T)			
Construction Engineering (KH)			
Total Phase 5 South Construction	\$ -	\$ -	0.0%
Easement Acquisition			
<i>Kimley Horn Easement Assistance</i>	\$ 69,451		
Task x.x Easement Assistance North			
Task x.x Easement Assistance South			
<i>Surveys</i>	\$ 4,967		
Task x.x Legal Sketch North			
Task x.x Legal Sketch South			
Jones Foster - Legal			
American Acquisition Group			
Temp Services			
Recording Costs			
Total Easement Acquisition Costs	\$ 74,417	\$ -	0.0%
Total Phase 5 Costs	\$ 74,417	\$ -	0.0%

Underground Utility Project Budget
Other Project Costs
February 28, 2018

Master Plan	Budget	Actual	% Expended
Task 1.1 - Data Collection & GIS Base Mapping	\$ 88,021	\$ 88,021	100.0%
Tash 1.1a Data Collection for Future Communications	\$ 23,511	\$ 23,511	100.0%
Task 1.2 - Conceptual Design and Master Plan	\$ 161,756	\$ 161,756	100.0%
Task 1.3 - Project Sequencing and Phasing	\$ 31,244	\$ 31,244	100.0%
Task 1.4 - Assessment of Traffic Impacts	\$ 77,660	\$ 77,660	100.0%
Task 1.5 - Project Delivery Methods	\$ 17,448	\$ 17,448	100.0%
Task 1.6 - Master Plan Document	\$ 45,053	\$ 42,800	95.0%
Task 1.7 - Meetings Master Planning Phase	\$ 113,135	\$ 113,123	100.0%
Task 1.8 - Master Plan Second Half	\$ 40,067	\$ 40,067	100.0%
Subtotal Master Planning	\$ 597,895	\$ 595,630	99.6%
Community Outreach	\$ 282,519	\$ 197,551	69.9%
Peer Review Study - Patterson & Dewar (\$50,000 Offsetting Revenue)	\$ 100,000	\$ 100,000	100.0%
Commercial Paper Issuance Cost		\$ 158,216	
FPL Future Phases	Future Phase Budget	\$ 75,215	
Comcast Preplanning	Future Phase Budget	\$ 12,015	
Total Other Project Costs	\$ 980,414	\$ 1,138,628	116.1%

Related Costs Outside of the Underground Project Budget

	Budget	Actual	% Expended
Costs paid from (307) Fund CIP			
Underground City of Lake Worth Section			
Project Design	\$ 25,231	\$ 24,430	96.8%
Project Construction	\$ 351,081	\$ 173,893	49.5%
Project Construction Engineering	\$ 11,607	\$ 4,643	40.0%
Utility Cost (FPL, Comcast, AT&T)	\$ 134,333	\$ 127,531	94.9%
Project Meeting Attendance	\$ 3,334	\$ 1,089	32.7%
Total Lake Worth Section	\$ 525,586	\$ 331,586	63.1%
Ibis Way PGD Improvements	\$ 14,583	\$ 14,583	100.0%
General Fund Costs			
Goldmacher v TPB Legal and Other Costs		\$ 168,263	
Kosberg v TPB Legal and Other Costs		\$ 115,289	
PBT Real Estate v TPB		\$ 5,432	
Project Manager -Pay and benefits	\$ 130,000	\$ 80,802	62.2%
Telecommunications Consultant	\$ 89,000	\$ 83,210	93.5%
Peter Brandt (Contract Negotiations)	\$ 35,000	\$ 22,633	64.7%
Total Related Costs Outside of the Budget	\$ 794,169	\$ 821,798	103.5%

U.S. Rate Forecasts

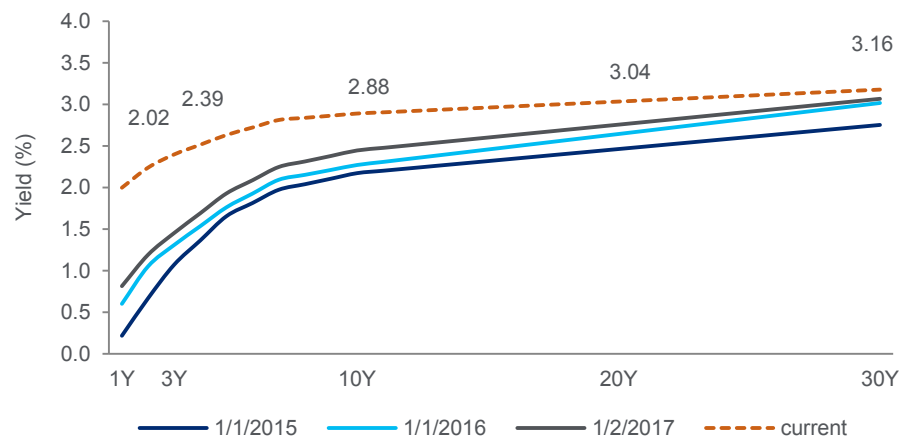
10-Year Treasury Yield Forecast

Citi forecasts a muted interest rate environment as we progress through the first half of 2018, while the street's is elevated



US Treasury Yield Curve

Investor are looking ahead to Fed Chair Powell's first Congressional appearance and for any clues on whether he anticipates 3 or 4 hikes this year



Rate Forecasts

5-Year Treasury	Current	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Citi's Forecast	2.62%	2.10%	2.25%	2.35%	2.40%	2.45%	2.50%

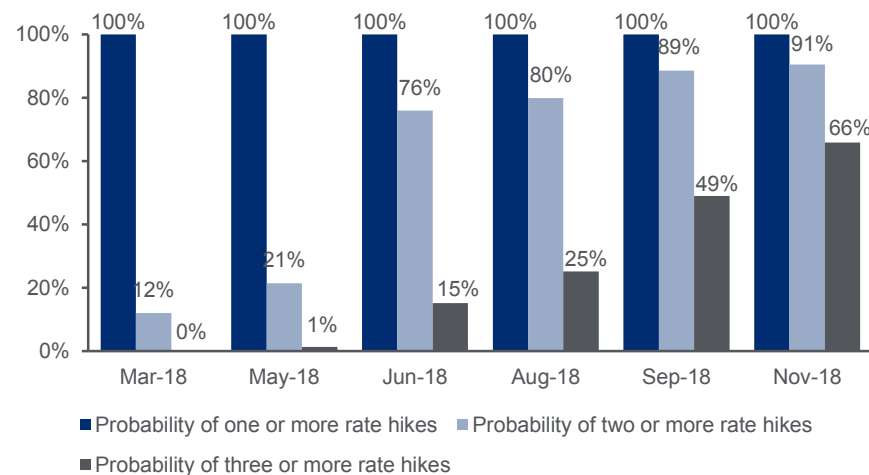
10-Year Treasury	Current	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Citi's Forecast	2.88%	2.50%	2.50%	2.55%	2.60%	2.70%	2.85%
Economists' Consensus		2.75%	2.86%	2.95%	3.00%	3.15%	3.22%

30-Year Treasury	Current	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Citi's Forecast		2.95%	2.95%	2.95%	2.95%	3.00%	3.10%
Economists' Consensus	3.16%	3.05%	3.20%	3.29%	3.40%	3.49%	3.59%

Fed Funds	Current	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Citi's Forecast	1.50%	1.75%	2.00%	2.25%	2.25%	2.50%	2.75%
Economists' Consensus		1.75%	2.00%	2.25%	2.25%	2.50%	2.50%

Expectations of Next Fed Increase in Rates

The market currently anticipates three more rate hikes in 2018, with the next hike likely to come in March



UNDERGROUNDING OF UTILITIES PROJECT

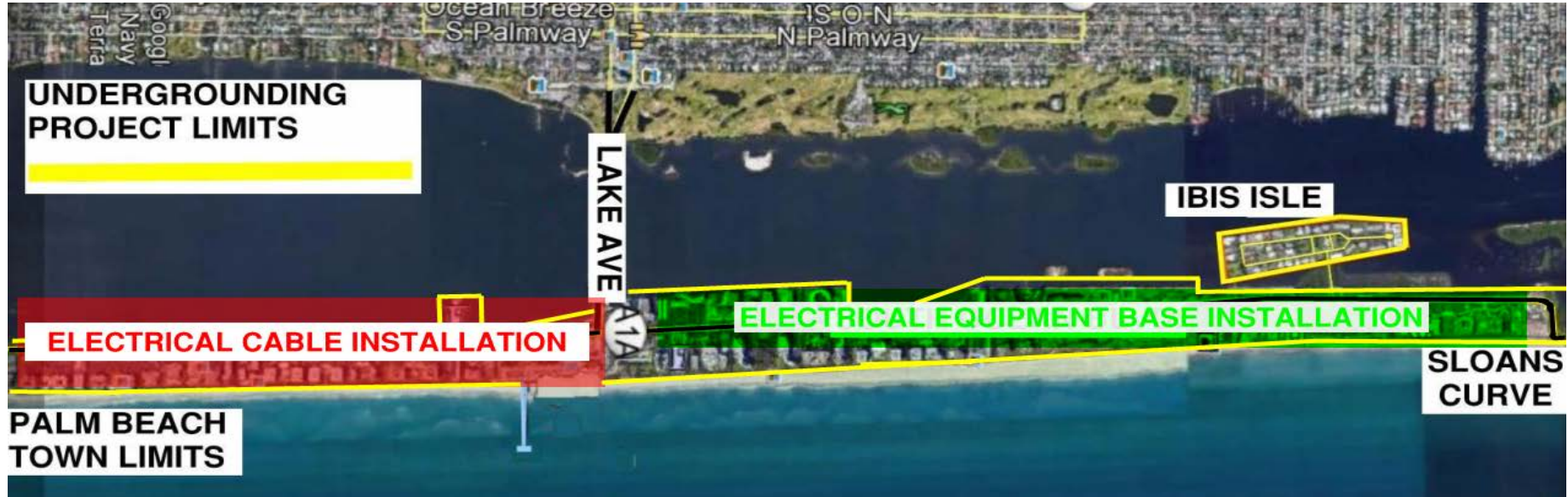
PHASE 1 SOUTH



**UNDERGROUNDING
TODAY**

For A Better Tomorrow!

MARCH UPDATE



UNDERGROUNDING OF UTILITIES PROJECT

PHASE 1 SOUTH



MARCH UPDATE

- **Electrical Conduit:** 16 miles of new underground electrical conduit installed.
- **Electrical Equipment Bases:** 64 of the 93 locations have been completed with conduit installed.
- **Electrical Wire:** 12,000 feet of new underground electrical wire installed.





Design – Phase 2

Progress Update

- On Schedule/Budget
- No issues or exceptions to report





Design - Phase 2

Easement Acquisition Progress Update

Phase 2 North

Easements Required	32
Owners Contacted	11
Easements that have received Owner Approval	2
Fully Executed Easements Received	0

Right of Way Placement

R/W Equipment Locations	7
-------------------------	---

Phase 2 South

Easements Required	37
Owners Contacted	1
Easements that have received Owner Approval	1
Fully Executed Easements Received	0

Right of Way/Existing Easement Placement

R/W / Existing Easement Equipment Locations	10
---	----



Design – Phase 3

Progress Update

- On Schedule/Budget
- No issues or exceptions to report





Saves and Raves

Saves: Eliminated a transformer from Phase 1 South.

Raves: Combined efforts of FPL and Design Team have made up lost time from the Hurricane.

TOWN OF PALM BEACH

Information for Underground Utility Task Force Meeting on: March 6, 2018

TO: Underground Utility Task Force

VIA: Kirk Blouin, Town Manager

FROM: Patricia Strayer, PE, Town Engineer

RE: ATT and Comcast Service Conduit Change Orders

DATE: March 1, 2018

STAFF RECOMMENDATION

Town staff recommends the Underground Utility Task Force recommend approval of Phase 1 North and South change orders for installation of ATT and Comcast Service Conduit and Splice Boxes.

GENERAL INFORMATION

The Town of Palm Beach is in the process of converting existing overhead utilities to an underground location. Kimley-Horn previously prepared a master plan along with an opinion of probable cost of \$98.6M for the program implementation. This opinion was largely based on a “like for like” conversion of the utilities and included the use of direct bury service cable to the residence. It is important to note that in February 2017, both AT&T and Comcast concurred that direct bury of service cable was acceptable. At this time staff was completing Master Plan value engineering in an effort to reduce program costs closer to \$90 million. Therefore, program costs of \$98.6 million do not include service conduit for either AT&T or Comcast.

The Town expressed interested in exploring design options with AT&T and Comcast to determine if an alternate design could be deployed that both increased the level of service provided to the community and lowered the cost of the program. Multiple meetings were held with both AT&T and Comcast where the service providers presented options that consisted of either Hybrid Fiber/Coax (HFC) systems or complete Fiber Optic (FTTP) systems. Comcast presented their Hybrid Fiber/Coax system to the UUTF in the May 2017 meeting offering a proposal for improved service that were near equal to the “like for like” system with the exception of the addition of service conduit. The Town further negotiated providing service conduit to the property line of every single family home and Comcast would include in their direct cost the additional service conduit from the right of way/property line to the point of service. This additional cost is approximately \$1.9 million. It is important to note that the Comcast invoice for Phase 1 direct cost came in \$20,000 less than the estimated budget for this cost. At this point in time Town staff recommended the Town accept the Comcast proposal.

AT&T also provided costs for an upgraded system. For AT&T the choice is limited to a complete fiber optic system deployment in lieu of the “like for like” copper based system. AT&T’s cost for “like for like” has always been significantly higher than the Comcast program cost. Additionally, AT&T “like for like” direct cost is more than their fiber optic system cost alternative. The significant difference in the AT&T fiber cost proposal from the estimate within the Master Plan is the addition and cost of service conduit to each single family home Town-wide along with increased size of splice boxes, service handholes, and potential pole demolition costs. Town staff has been in continuous negotiations with AT&T since May, 2017. Each offer received from AT&T has included a subsidy for service conduit installed to each single family residential property to assist the Town in offsetting related material and installation costs. The additional cost without a subsidy for this conduit is approximately \$2.85 million. Town staff is continuing to negotiate with AT&T in an attempt to obtain the lowest possible total cost for an AT&T fiber optic system.

The phase 1 north construction has reached a critical point where any additional delay in the installation of the service conduits will result in an overall project delay and remobilization will result in additional project cost. Staff has delayed this request due to the prolonged negotiations with AT&T because it was difficult to quantify the total program cost impacts without knowing the outcome of those negotiations. The construction has reached a point that the communications providers need to begin their work to stay on schedule. Therefore, change orders for this work are being presented at Town Council on March 20. The north construction change order is for a total amount of \$371,200.88. The Comcast portion of this change order is \$116,753.58 with the remaining \$254,447.30 attributable to AT&T service conduit and splice boxes. The amount associated with the splice boxes will result in a reduction in the AT&T direct cost. The south construction change order is \$111,824.00. Town staff recommends moving forward with these improvements, while continuing to negotiate with AT&T.

Finally as these cost are considered which would increase the overall program budget, a balancing factor is that the Town had an affirmative response from FPL on further consideration of credits for undergrounding. On Jan 9th the Florida Public Service Commission provided contingent approval for the FPL’s tariff amendments allowing additional CIAC credits for conversion of existing non-hardened overhead feeder facilities to underground feeder facilities. These rates became effective upon the Florida PSC’s formal order which cleared the way for FPL to finalize tariff changes with the effective date being February 13, 2018. These additional credits are expected to apply for all phases of the Town-wide program and the Nightingale-LaPuerta undergrounding project since these initiatives are not yet completed. Staff has requested FPL provide their estimate of the additional savings the Town should realize as a result of the Tariff approval and filing. Staff has estimated these savings to be between \$3 and \$6 million.

FUNDING/FISCAL IMPACT

Funding for these services is available in the Underground Utility Project Fund from the proceeds of the Commercial Paper program.

PURCHASING REVIEW

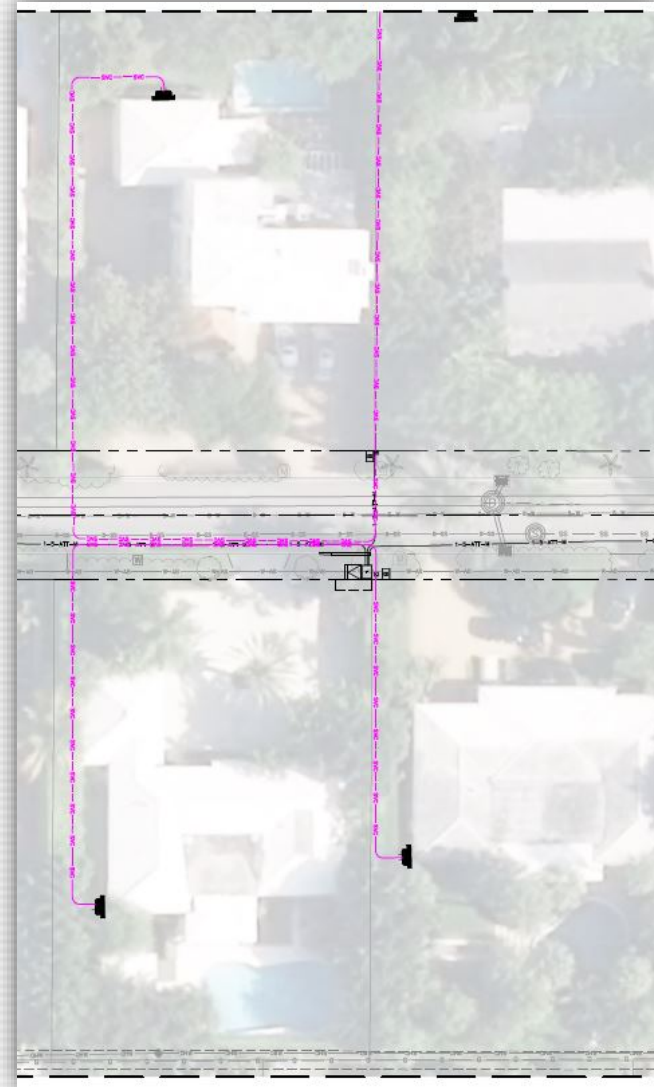
This item has been reviewed and approved by the Purchasing Division.



COMCAST



AT&T



Green Conduit – Installed by Town
Blue Conduit – Installed by Comcast

Pink Conduit – Installed by Town

TOWN OF PALM BEACH

Information for Underground Utility Task Force Meeting on: March 6, 2018

TO: Underground Utility Task Force

VIA: Kirk Blouin, Town Manager

FROM: Patricia Strayer, PE, Town Engineer

RE: Phase 2 Preconstruction Services for Construction Manager at Risk

DATE: March 1, 2018

STAFF RECOMMENDATION

No Action Required

GENERAL INFORMATION

Phase 2-South of the Town-wide Utility Undergrounding program is from Sloan's Curve north to the intersection of A1A and South Ocean Boulevard. Phase 2-North of the undergrounding is from Onondaga Avenue south to Osceola Way. The scope entails undergrounding of all overhead utilities, Comcast, AT&T, and Florida Power and Light. Phase 2 is scheduled to begin construction in September 2018. Staff issued a Request for Qualifications (RFQ 2018-03 and RFQ 2018-04) for Construction Manager at Risk Services for the Town-Wide Overhead Utility Undergrounding Phase 2-Norht and South as separate proposals on October 29, 2017. The Town received two (2) proposals for the South and three (3) proposals for the North on November 29, 2017. The Selection Committee consisted of Jay Boodheshwar, Deputy Town Manager; Jane Struder, Finance Director; Paul Brazil, P.E., Director of Public Works; Steven Stern, Underground Utilities Project Manager; Patricia Strayer, P.E., Town Engineer (non-voting); Duke Basha, Assistant Purchasing Manager (non-voting); and John Cmar, Purchasing Coordinator (non-voting). Town Council ratified the selection of Burkhardt Construction Inc. for Construction Manager at Risk for Phase 2 North and ratified the selection of Whiting Turner, Inc. for Phase 2 South.

Staff has negotiated preconstruction services for both Phase 2 North and South. Each was under the threshold of \$35,000, which allowed the Town Manager to approve the Purchase Orders. Burkhardt Construction, Inc. preconstruction services Purchase Order was issued for \$31,970 and Whiting Turner, Inc. preconstruction services Purchase Order was issued for \$32,900. The scope of these services includes participation in phase 2 design meetings, constructability review, value engineering, and development of the final bidding which will result in a Guaranteed Maximum Price (GMP) for each phase. Staff plans on presenting the GMPs for Phase 2 North and South at the August Town Council meeting for award.

FUNDING/FISCAL IMPACT

Funding for these services is available in the Underground Utility Project Fund from the proceeds of the Commercial Paper program.

PURCHASING REVIEW

This item has been reviewed and approved by the Purchasing Division.

Undergrounding Cost Saving Initiatives

Objective/Goal	Action Items	Target	Priority	% Complete	Person Responsible	Date Assigned	Target Completion Date	Opportunity Savings	Actual Savings	Investment Required	Status	Remark
Phase 2 - Opportunity Savings . Reduction of future legal expense by changing process.		Reduce expense	High	100%	SS	8/1/2017	2/1/18	\$352,092		Yes	9/19: Process flow mapped. 8/30: Requested ToPB procurement to issue RFP for outside consultant option. 12/15: RFP responses received. 1/10: Selection Committee Meeting. 1/12: DD in progress. 2/6: Discuss w/ UUTF	Recommend TMO insource easement administration and recording.
Phase 1 South - Avoided 4 Water Main Deflections		Reduce expense	Med	100%	WT	4Q 2017	4Q 2017		\$112,325	No	Complete	