

TOWN OF PALM BEACH

Information for Town Council Meeting on: September 13, 2018

TO: Mayor & Town Council

VIA: Kirk Blouin, Town Manager

FROM: Steven Stern, Project Manager

CC: H. Paul Brazil, P.E., Director of Public Works; Jane LeClainche, Director of Finance; Patricia Strayer, P.E., Town Engineer; Kevin Schanen, P.E., Kimley-Horn;

RE: **Key Project Updates**

DATE: August 30, 2018

1. Communications

Outreach:

- South: Cup of Joe with Bo, next meeting October 1, 2018.
- North: Coffee with the Crew, next meeting October 5, 2018.

2. Progress Summary:

Construction progress:

Phase 1 North Construction:

- FPL Transformer & Splice box placements are complete.
- Contractors energize/test the system through end of September.
- Subscriber cutovers expected to begin in October.
- Comcast wire pull installation in progress.
- ATT on hold.

Phase 1 South Construction:

- FPL Switch Cabinets, feeder/primary conduit and cable pulls on S. Ocean Blvd North & South of Lake Worth are complete.
- Ibis Isle conduit and cable complete.
- Energizing the system planned through end of September.
- Subscriber cutovers expected to begin in October, 2 condos/day.

- Comcast wire pull installation activities in progress.
- ATT on hold.
- S. Ocean Blvd Street Lighting conduit and boxes complete. Pole installation by FPL has begun.

Phase 2 North Construction:

- Awards to Burkhardt for a Phase 2 North CMAR contract and Kimley Horn Engineering Services approved in August Town Council.
- Scheduled start of construction for Phase 2 North is September 2018.

Phase 2 South Construction:

- CMAR and Engineering Services award recommendations delayed.
- Scheduled start of construction for the Phase 2 South area TBD.

Design & Easement Progress:

Phase 2:

- Phase 2 North Design is 95% complete
- Phase 2 South Design is 85% complete

Easement Status:

- Phase 2 North: 67% of easements approved
- Phase 2 South: 66% of easements approved

Phase 3:

- Phase 3 North Design is 32% complete
- Phase 3 South Design is 31% complete

Easement Status: Not Started

Phase 4:

- Phase 2 North Design is 23% complete
- Phase 2 South Design is 20% complete

Easement Status: Not Started

3. Communications Service Provider Status Update

The Town Manager and Staff will discuss progress to negotiate an improved Special Construction Agreement with the communication service providers.



Undergrounding of Utilities Project Monthly Progress Report September 2018

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Dashboard – Phase 1 Construction and Phase 2, 3, 4 Design

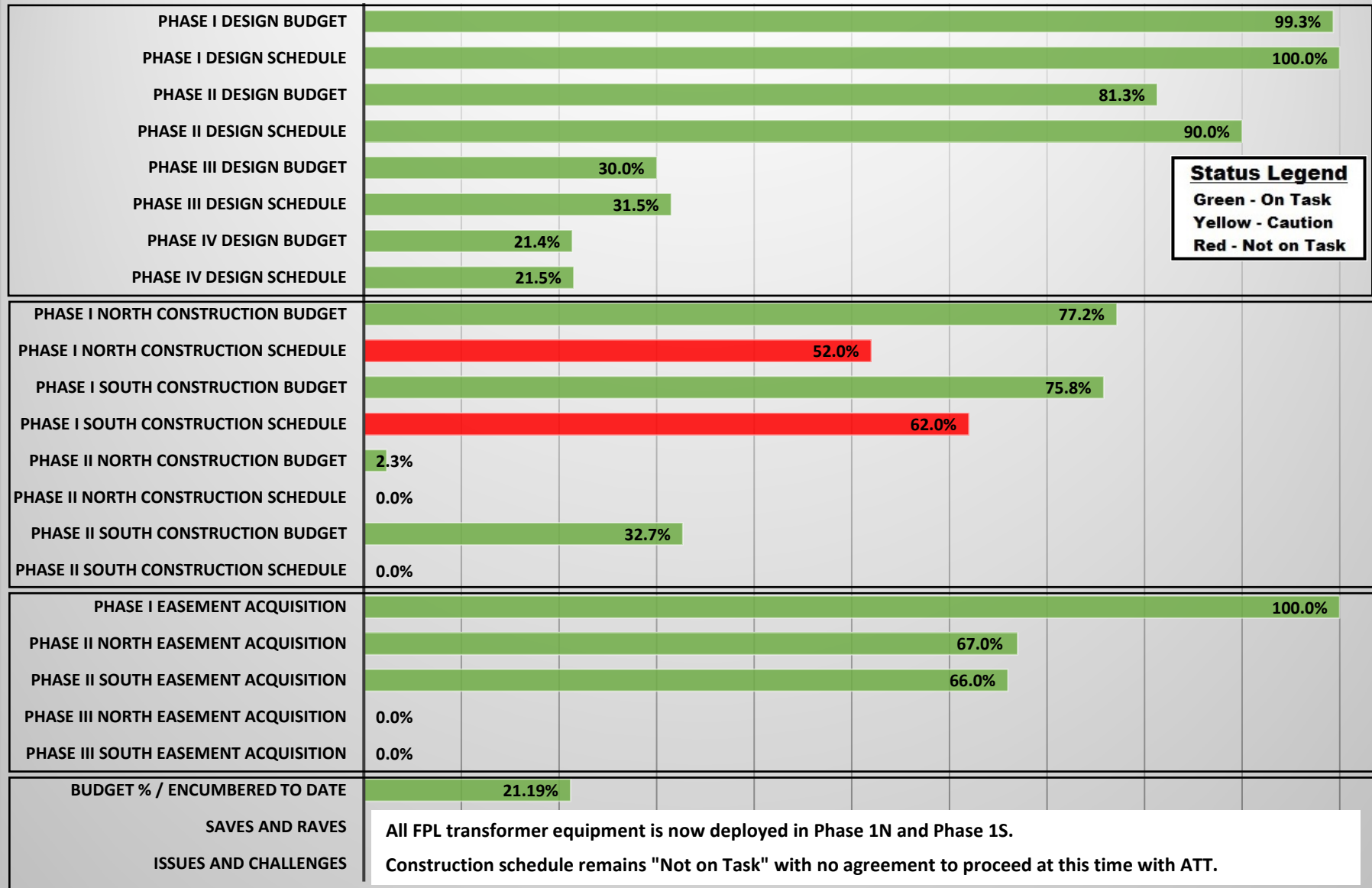
1. Project Dashboard
2. Kimley-Horn Progress Report Phase 2
3. Kimley Horn Progress Report Phase 3
4. Kimley Horn Progress Report Phase 4
5. Master Plan Gantt Chart
6. Phase 2 Design Gantt Chart
7. Phase 3 Design Gantt Chart
8. Phase 4 Design Gantt Chart
9. Burkhardt Executive Summary
10. Burkhardt Phase 1 North Gantt Chart
11. Whiting Turner Executive Summary
12. Project Financial Report
13. Interest Rate Forecast, Aug 24, 2018

Dashboard Notes:

- Overall Budget represents the percentage encumbered to date versus the total project budget of \$102 million.

Town of Palm Beach - Underground Utility Project Dashboard - Sep '18

0.0% 10.0% 20.0% 30.0% 40.0% 50.0% 60.0% 70.0% 80.0% 90.0% 100.0%



Status Legend
 Green - On Task
 Yellow - Caution
 Red - Not on Task



Town-Wide Undergrounding - Phase 2 Design

KHA Project #044063202

August 2018 Progress Report

Period: July 26, 2018 to August 25, 2018

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 2 North Design is 95% complete
 - Phase 2 South Design is 85% complete
- Budget: Project is on budget as of August 15, 2018
 - Phase 2 North Design is at 78% of total task budget
 - Phase 2 South Design at 79% of total task budget
- Easement Status
 - Phase 2 North: 67% of easements approved
 - Phase 2 South: 66% of easements approved

B. Detailed Design Phase

- Subconsultant/utility owner coordination related to Phase 2 Design.
- Continued modification of construction plans based on easement acquisition process.
- Continued coordination with Comcast, AT&T and FPL to finalize Conduit Plans for Phase 2 North and South.
- Continued modification of Landscape Plans for Phase 2 South
- Development of OPC for Phase 2 South
- Continued development of answers to prospective bidder questions.
- Review and Comment on Phase 2 North GMP received
- Attendance at multiple Phase 2 North GMP Negotiations Meetings with Town and BCI.
- Attendance at Phase 2 South pre-bid meeting hosted by WT.
- Development of answers to prospective bidder questions received on Phase 2 South
- Coordination with the FDOT regarding the Phase 2 South Utility Permit application
- Continued resident meetings for easement acquisition in Phase 2 North and Phase 2 South.
- Attendance at Progress Meeting with Town and Utilities to coordinate the design process.
- Attendance at Meeting with AT&T and Town Manager to discuss negotiation strategies.
- Prepare and submit legal sketches and descriptions for approved easements.
- Attendance at August Town Council Meeting
- Conference call with Town and Attorney to discuss easements on private streets

II. Upcoming Activities (August 26, 2018 – September 25, 2018)

A. Detailed Design Phase

- Continue resident meetings to discuss easements in Phase 2 North and Phase 2 South.
- Continued coordination of the FDOT utility permit application for Phase 2 South.
- Progress Meeting Attendance
- Town Council Bid Award – Phase 2 South
- Commencement of Construction Phase 2 North



Town-Wide Undergrounding - Phase 3 Undergrounding
KHA Project #044063215
August 2018 Progress Report
Period: July 26, 2018 to August 25, 2018

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 3 North Design is 32% complete
 - Phase 3 South Design is 31% complete
- Budget: Project is on budget as of August 15, 2018
 - Phase 3 North Design is at 21% of total task budget
 - Phase 3 South Design at 25% of total task budget
- Easement Status
 - Phase 3: N/A, will provide status when this work begins

B. Detailed Design Phase

- Subconsultant/utility owner coordination related to Phase 3 Undergrounding.
- Performed follow up field reviews to collect missing meter information.
- Continued review of Phase 3 existing survey files received from the Town, edit base file based on additional utility record information received.
- Coordination with utility owners to receive utility record information.
- Identify soft dig utility investigation locations and prepare exhibit to coordinate with Soft Dig Utility Locating Subconsultant.
- Field review existing equipment to confirm locations for base file.
- Review preliminary equipment locations received for Phase 3 North from FPL.
- Progress Meeting Attendance

II. Upcoming Activities (August 26, 2018 – September 25, 2018)

A. Detailed Design Phase

- Continued Subconsultant/utility owner coordination.
- Development of FPL Design and Preliminary Conduit Routing – Phase 2 North (FPL)
- Development of Equipment Location Plans – Phase 2 North
- Development of Preliminary Equipment Location Plans – Phase 2 South (FPL)
- Development of initial easement exhibits – Phase 2 North
- Soft Dig Utility Locates – Submit R/W permit to Town
- Progress Meeting Attendance



Town-Wide Undergrounding - Phase 4 Undergrounding
KHA Project #044063219
August 2018 Progress Report
Period: July 26, 2018 to August 25, 2018

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below.
 - Phase 4 North Design is 23% complete
 - Phase 4 South Design is 20% complete
- **Budget:** Project is on budget as of August 15, 2018
 - Phase 4 North Design is at 15% of total task budget
 - Phase 4 South Design at 17% of total task budget
- **Easement Status**
 - Phase 4: N/A, will provide status when this work begins

B. Detailed Design Phase

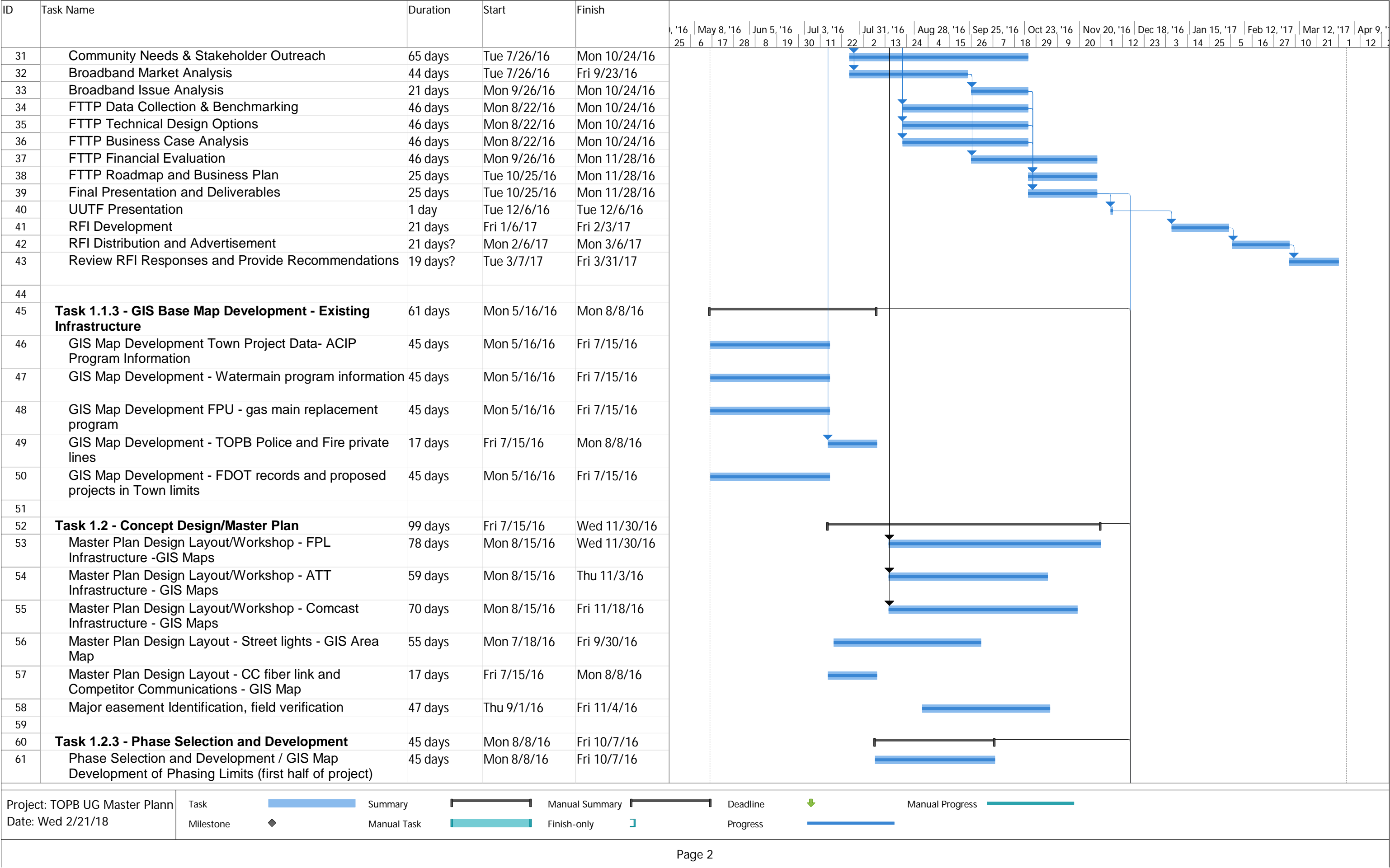
- Subconsultant coordination related to Phase 4 Undergrounding
- Data Collection of existing utilities in project area and coordination with utility owners to receive record information.
- Conducted field review of meter locations in the Phase 4 areas.
- Existing Utility Easement Research in both the north and south areas.
- Finalize development of the Phase 4 North utility base file for submittal to FPL.
- Progress towards development of the Phase 4 South utility base file.
- Received field survey for Phase 4 South area and finalize preliminary review of this survey
- Research and gathering of existing utility easement documents on properties in the Phase 4 area.
- Progress Meetings

II. Upcoming Activities (August 26, 2018 – September 25, 2018)

A. Detailed Design Phase

- Continued Subconsultant/utility owner coordination related to Phase 4 Undergrounding
- Continued coordination with utility owners to receive utility record information.
- Progress towards development of the Phase 4 South utility base file and submittal to FPL.
- Progress toward development of Phase 4 Street Light Exhibits
- Perform follow up field review to collect missing meter information.
- Progress Meetings.

ID	Task Name	Duration	Start	Finish																												
1	Master Planning	230 days?	Mon 5/16/16	Fri 3/31/17																												
2	External Project Kick off Meeting	1 day	Thu 6/16/16	Thu 6/16/16																												
3	Internal Project Kick off Meeting	1 day	Mon 6/20/16	Mon 6/20/16																												
4	Task 1.1.1 - Data Collection	65 days?	Mon 5/16/16	Fri 8/12/16																												
5	Collect/Analyze Town Project Data- ACIP Program Information (roads, drainage, street lights, other planned ACIP projects)	35 days	Mon 5/16/16	Fri 7/1/16																												
6	Collect/Analyze City Data - Watermain program information	30 days	Mon 5/16/16	Fri 6/24/16																												
7	Collect/Analyze Lake Worth and South Palm Beach data at project limits	30 days	Mon 5/16/16	Fri 6/24/16																												
8	Collect/Analyze FPU - gas main replacement program	30 days	Mon 5/16/16	Fri 6/24/16																												
9	Collect/ Analyze - FDOT records and proposed projects in Town limits	30 days	Mon 5/16/16	Fri 6/24/16																												
10	Collect/Analyze FPL	23 days?	Wed 7/13/16	Fri 8/12/16																												
11	Office Meeting/Record Review with FPL	1 day?	Wed 7/13/16	Wed 7/13/16																												
12	Field Verification of Major Utility Elements	22 days	Thu 7/14/16	Fri 8/12/16																												
13	Collect/Analyze ATT	22 days?	Thu 7/14/16	Fri 8/12/16																												
14	Office Meeting/Record Review with ATT (infrastructure / Smart Poles)	1 day?	Thu 7/14/16	Thu 7/14/16																												
15	Field Verification of Major Utility Elements	21 days	Fri 7/15/16	Fri 8/12/16																												
16	Collect/Analyze Comcast	21 days	Fri 7/15/16	Fri 8/12/16																												
17	Office Meeting/Record Review with Comcast	1 day	Fri 7/15/16	Fri 7/15/16																												
18	Field Verification of Major Utility Elements	18 days	Wed 7/20/16	Fri 8/12/16																												
19																																
20	Task 1.1.2 - Data Collection-Future Communications Systems	104 days	Wed 7/6/16	Mon 11/28/16																												
21	Collect/Analyze - TOPB Police and Fire Dept private lines	16 days	Fri 7/15/16	Fri 8/5/16																												
22	Meeting with Town Public Works staff, Fire Department Staff, and Police Staff	1 day	Wed 7/6/16	Wed 7/6/16																												
23	Analysis of Town-wide Closed communications system expansion (police/fire/public works)	17 days	Fri 7/15/16	Mon 8/8/16																												
24	Analysis of Town-wide Closed Circuit communications system	51 days	Wed 7/6/16	Wed 9/14/16																												
25	Develop recommendations/conceptual order of magnitude OPC (Town Future Communications only)	21 days	Mon 9/26/16	Mon 10/24/16																												
26	Draft and Issue summary memorandum	47 days	Thu 9/15/16	Fri 11/18/16																												
27	Review recommendations with Town	6 days	Mon 11/21/16	Mon 11/28/16																												
28																																
29	Broadband Infrastructure Assessment	180 days?	Mon 7/25/16	Fri 3/31/17																												
30	Kickoff meeting	1 day	Mon 7/25/16	Mon 7/25/16																												
Project: TOPB UG Master Plann Date: Wed 2/21/18					<div>Task <div></div>Summary<div></div>Manual Summary<div></div>Deadline<div></div>Manual Progress<div></div>Milestone<div></div>Manual Task<div></div>Finish-only<div></div>Progress<div></div></div>																											
Page 1																																



ID	Task Name	Duration	Start	Finish																										
					Apr 25, '16	May 6, '16	May 17, '16	May 28, '16	Jun 8, '16	Jun 19, '16	Jul 3, '16	Jul 11, '16	Jul 22, '16	Jul 31, '16	Aug 13, '16	Aug 24, '16	Aug 31, '16	Sep 7, '16	Sep 18, '16	Sep 29, '16	Oct 9, '16	Oct 20, '16	Oct 31, '16	Nov 11, '16	Nov 22, '16	Dec 3, '16	Dec 14, '16	Dec 25, '16	Jan 5, '17	Jan 16, '17
62																														
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

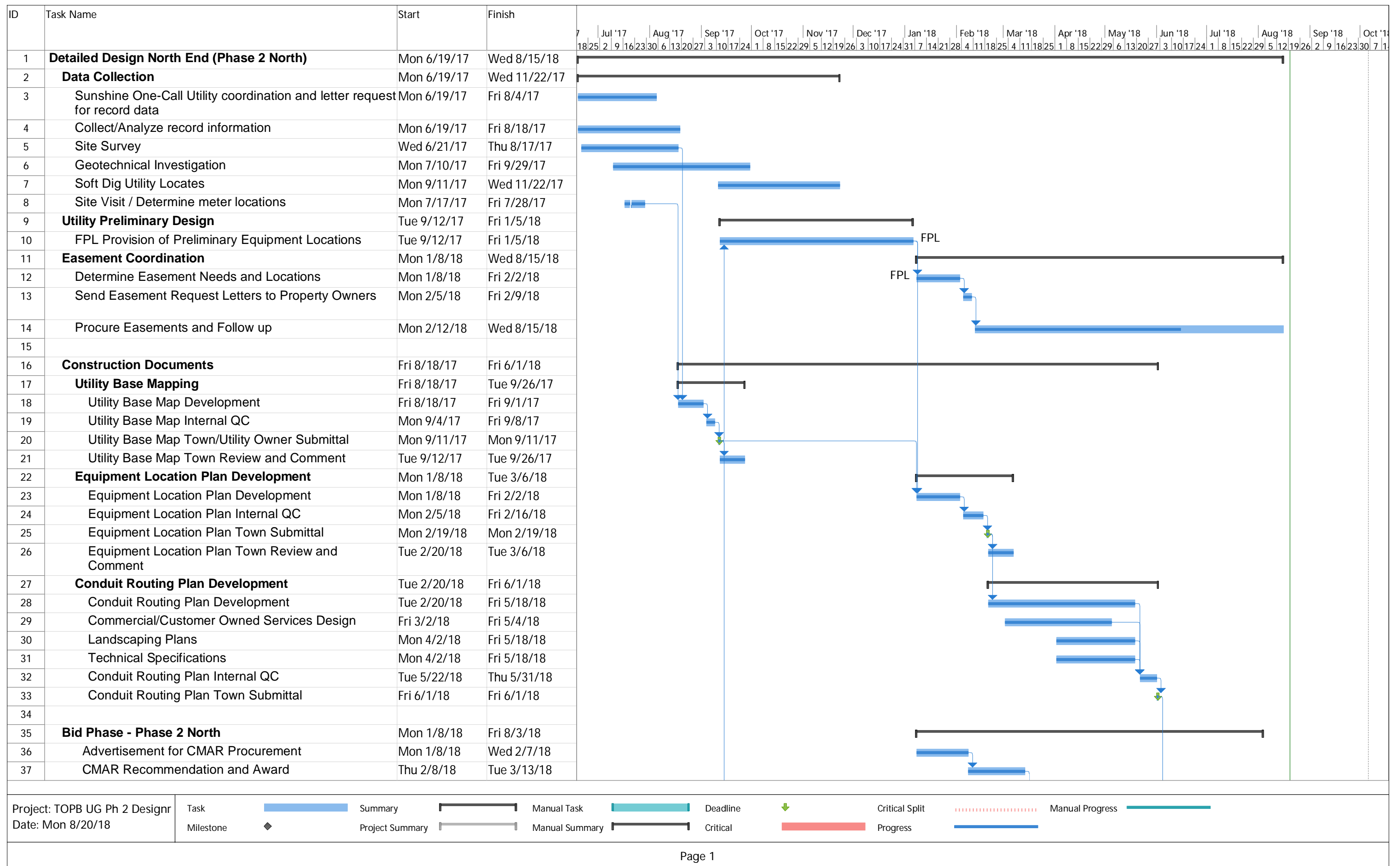
Manual Summary

Finish-only

Deadline

Progress

Manual Progress



ID	Task Name	Start	Finish	Gantt Chart																																																																																															
38	Pre-Construction Services	Wed 3/14/18	Mon 7/16/18																																																																																																
39	Bidding/GMP Development	Mon 6/4/18	Mon 7/16/18																																																																																																
40	GMP review and Negotiation	Tue 7/17/18	Fri 8/3/18																																																																																																
41																																																																																																			
42	UUTF Bid Award Review (Phase 2 North)	Tue 8/7/18	Tue 8/7/18																																																																																																
43																																																																																																			
44	Town Council Award (Phase 2 North)	Tue 8/14/18	Tue 8/14/18																																																																																																
45																																																																																																			
46	Start Construction (Phase 2 North)	Wed 8/15/18	Wed 8/15/18																																																																																																
47	<New Task>																																																																																																		
48	Utility Design and BCE Development - Phase 2 North	Tue 9/12/17	Fri 7/20/18																																																																																																
49	FPL Design and Preliminary Conduit Routing	Tue 9/12/17	Fri 2/16/18																																																																																																
50	AT&T and Comcast Design	Tue 2/20/18	Mon 4/30/18																																																																																																
51	Utility Agreement and BCE Development	Fri 4/13/18	Fri 7/20/18																																																																																																
52																																																																																																			
53	Detailed Design South End (Phase 2 South)	Mon 6/19/17	Fri 10/5/18																																																																																																
54	Data Collection	Mon 6/19/17	Wed 11/22/17																																																																																																
55	Sunshine One-Call Utility coordination and letter request for record data	Mon 6/19/17	Fri 8/4/17																																																																																																
56	Collect/Analyze record information	Mon 6/19/17	Thu 8/31/17																																																																																																
57	Site Survey	Wed 6/21/17	Thu 8/31/17																																																																																																
58	Geotechnical Investigation	Mon 7/10/17	Fri 9/29/17																																																																																																
59	Soft Dig Utility Locates	Mon 9/11/17	Wed 11/22/17																																																																																																
60	Site Visit / Determine meter locations	Mon 7/17/17	Fri 7/28/17																																																																																																
61	Utility Preliminary Design	Tue 9/26/17	Fri 1/19/18																																																																																																
62	FPL Provision of Preliminary Equipment Locations	Tue 9/26/17	Fri 1/19/18																																																																																																
63	Easement Coordination	Mon 1/22/18	Wed 8/15/18																																																																																																
64	Determine Easement Needs and Locations	Mon 1/22/18	Fri 2/16/18																																																																																																
65	Send Easement Request Letters to Property Owners	Mon 2/19/18	Fri 2/23/18																																																																																																
66	Procure Easements and Follow up	Mon 2/26/18	Wed 8/15/18																																																																																																
67																																																																																																			
68	Construction Documents	Fri 9/1/17	Fri 6/1/18																																																																																																
69	Utility Base Mapping	Fri 9/1/17	Tue 10/10/17																																																																																																
70	Utility Base Map Development	Fri 9/1/17	Fri 9/15/17																																																																																																
71	Utility Base Map Internal QC	Mon 9/18/17	Fri 9/22/17																																																																																																
72	Utility Base Map Town/Utility Owner Submittal	Mon 9/25/17	Mon 9/25/17																																																																																																
73	Utility Base Map Town Review and Comment	Tue 9/26/17	Tue 10/10/17																																																																																																
74	Equipment Location Plan Development	Mon 1/22/18	Tue 3/20/18																																																																																																

Project: TOPB UG Ph 2 Design
Date: Mon 8/20/18

Task

Milestone

Summary

Project Summary

Manual Task

Manual Summary

Deadline

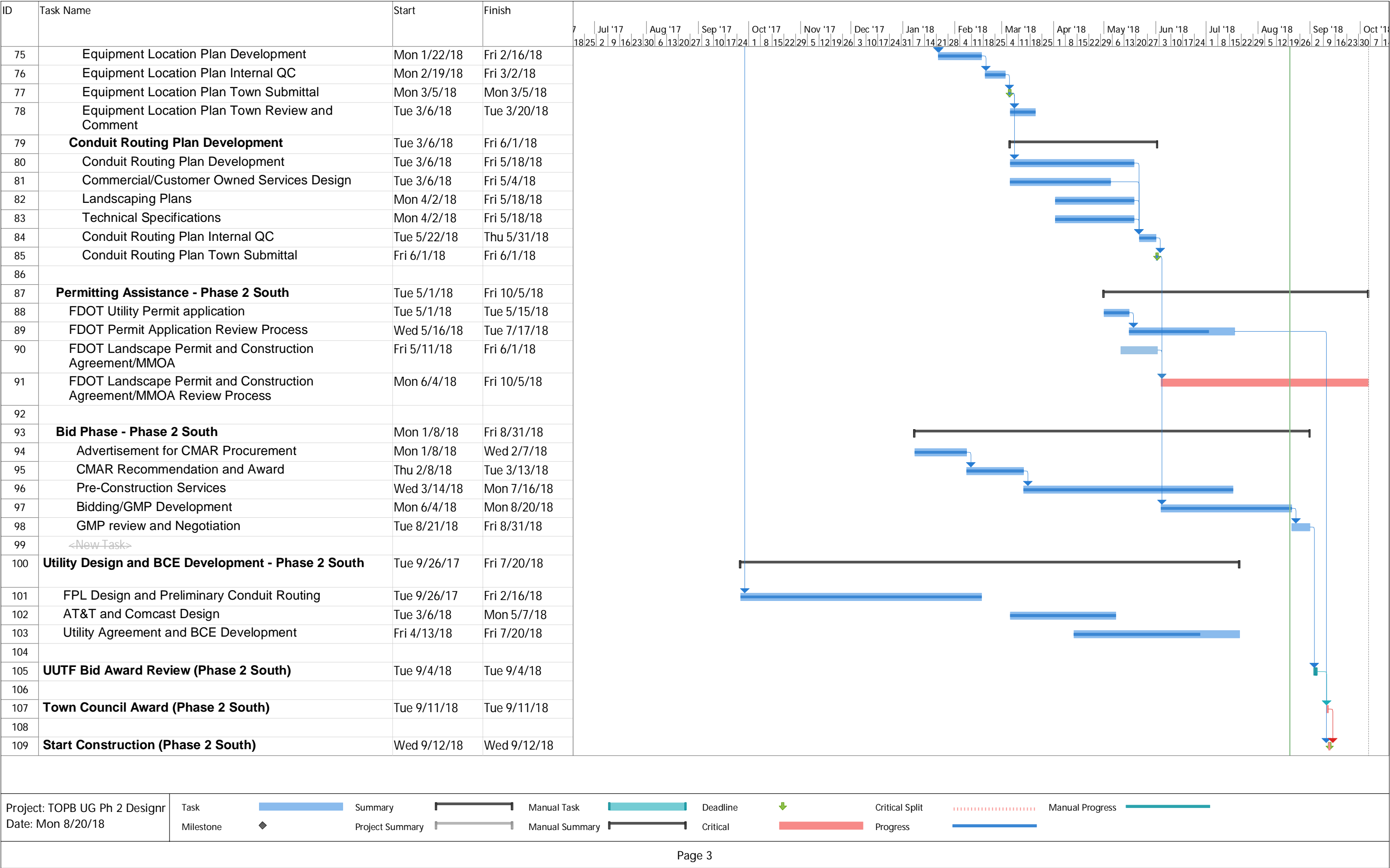
Critical

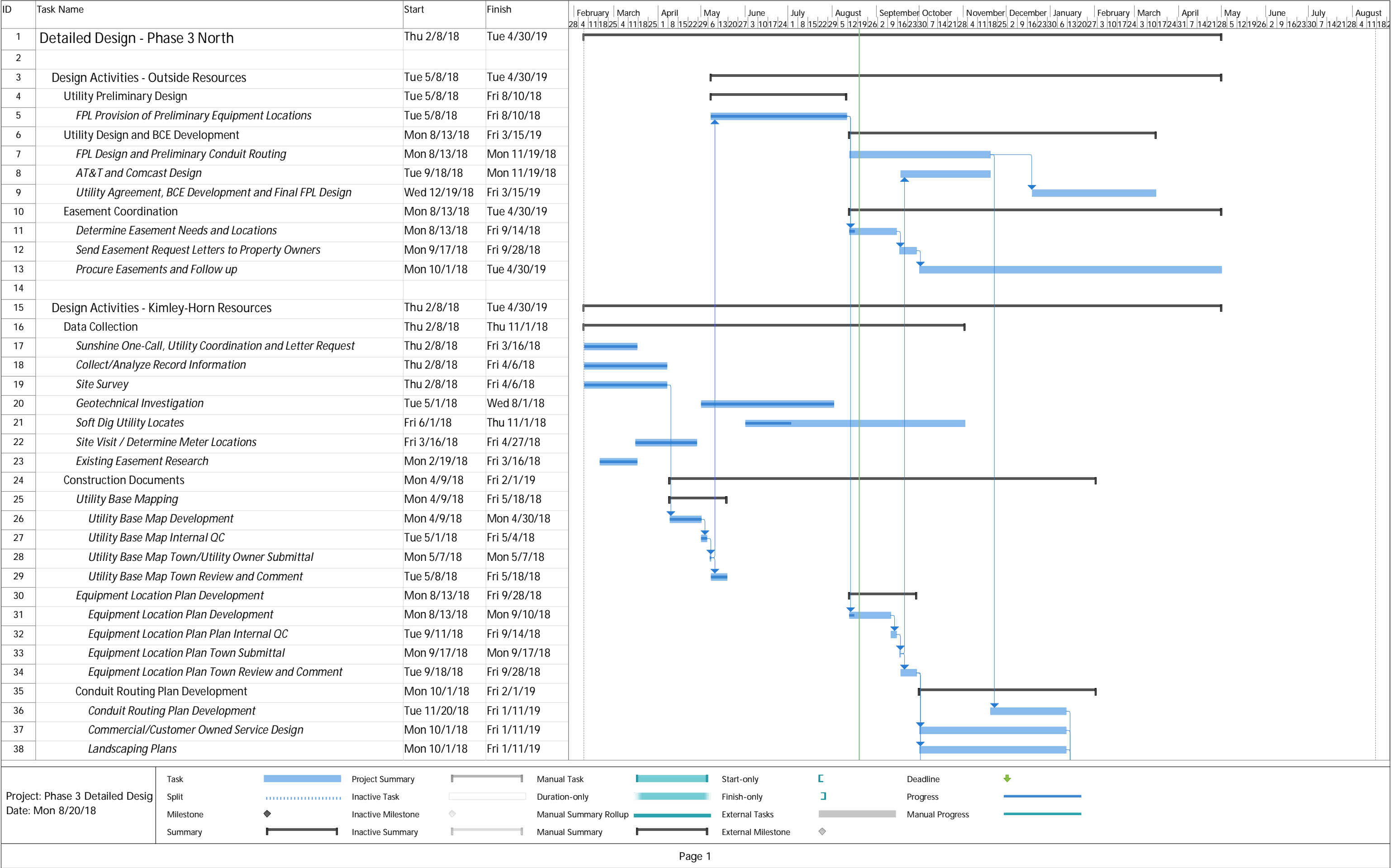
Critical Split

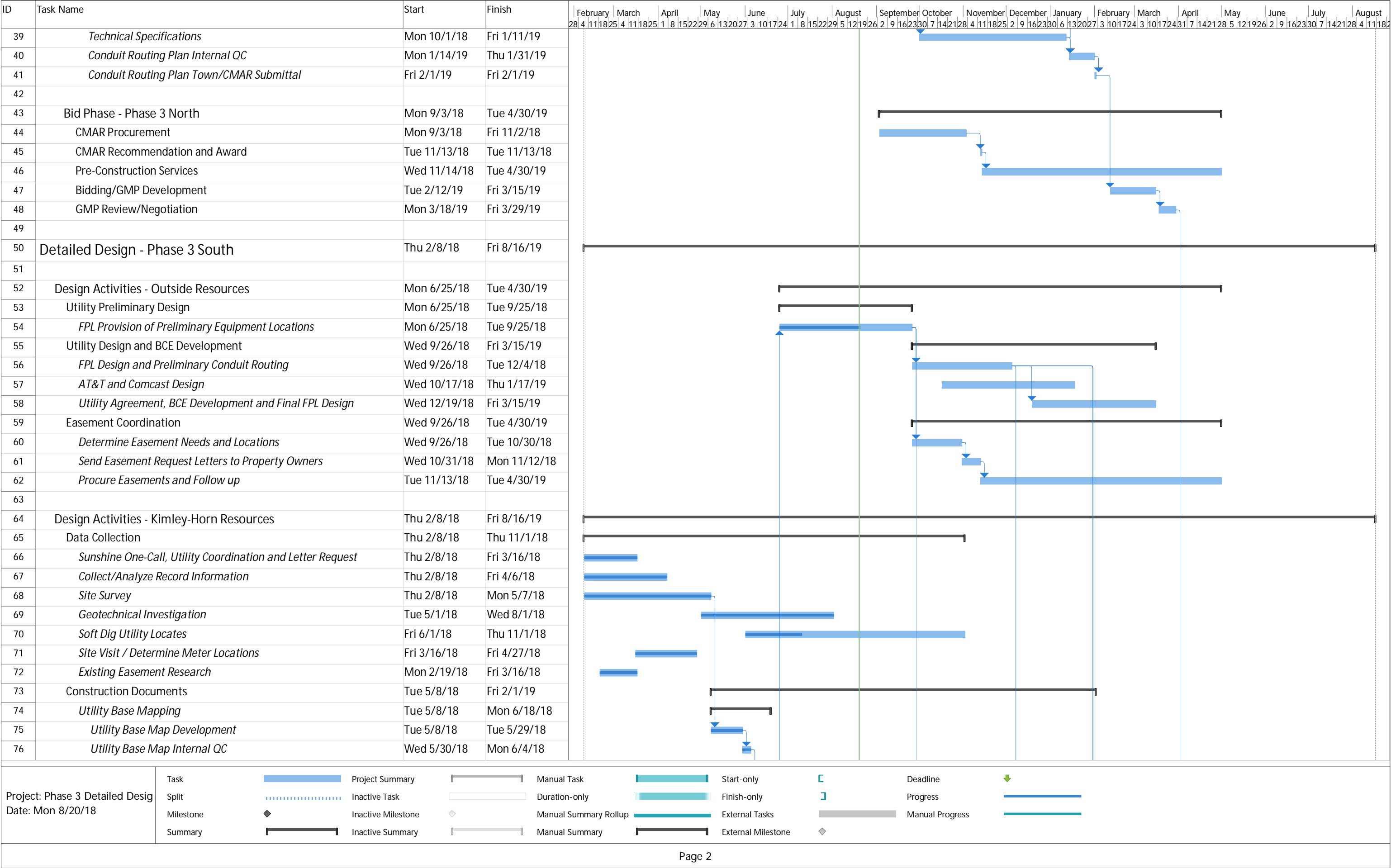
Progress

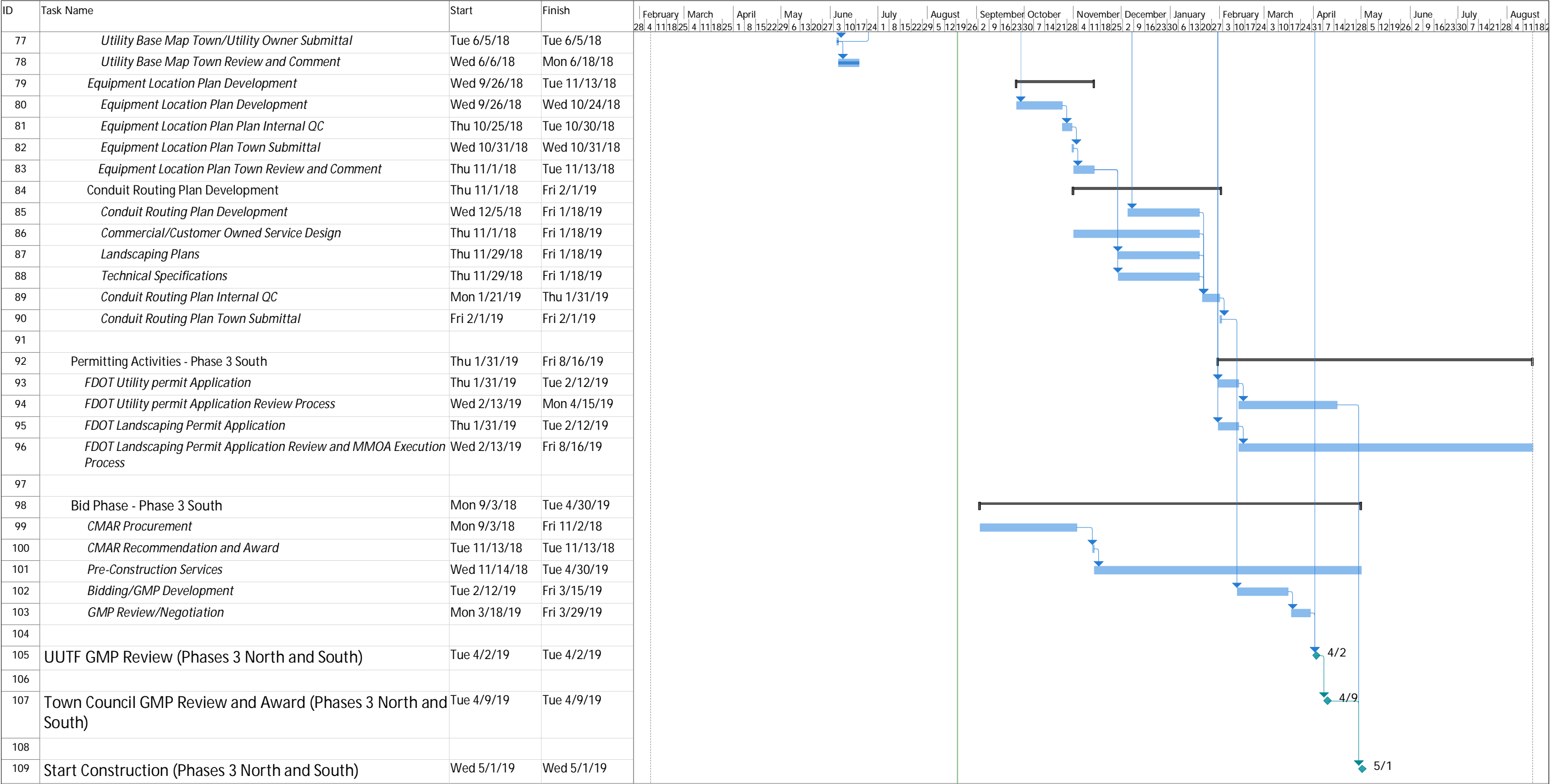
Manual Progress

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Project: Phase 3 Detailed Desig
Date: Mon 8/20/18

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

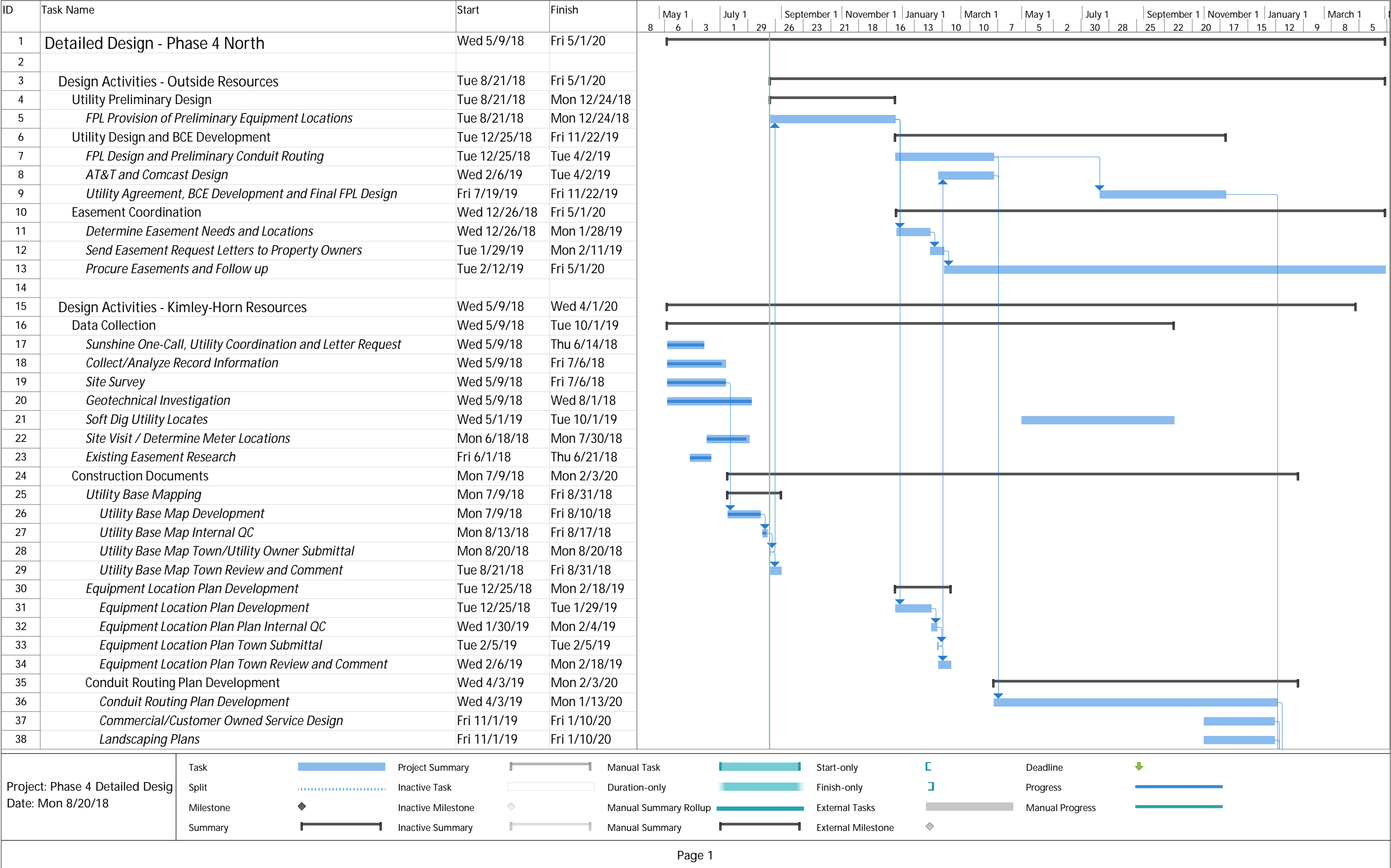
External Tasks

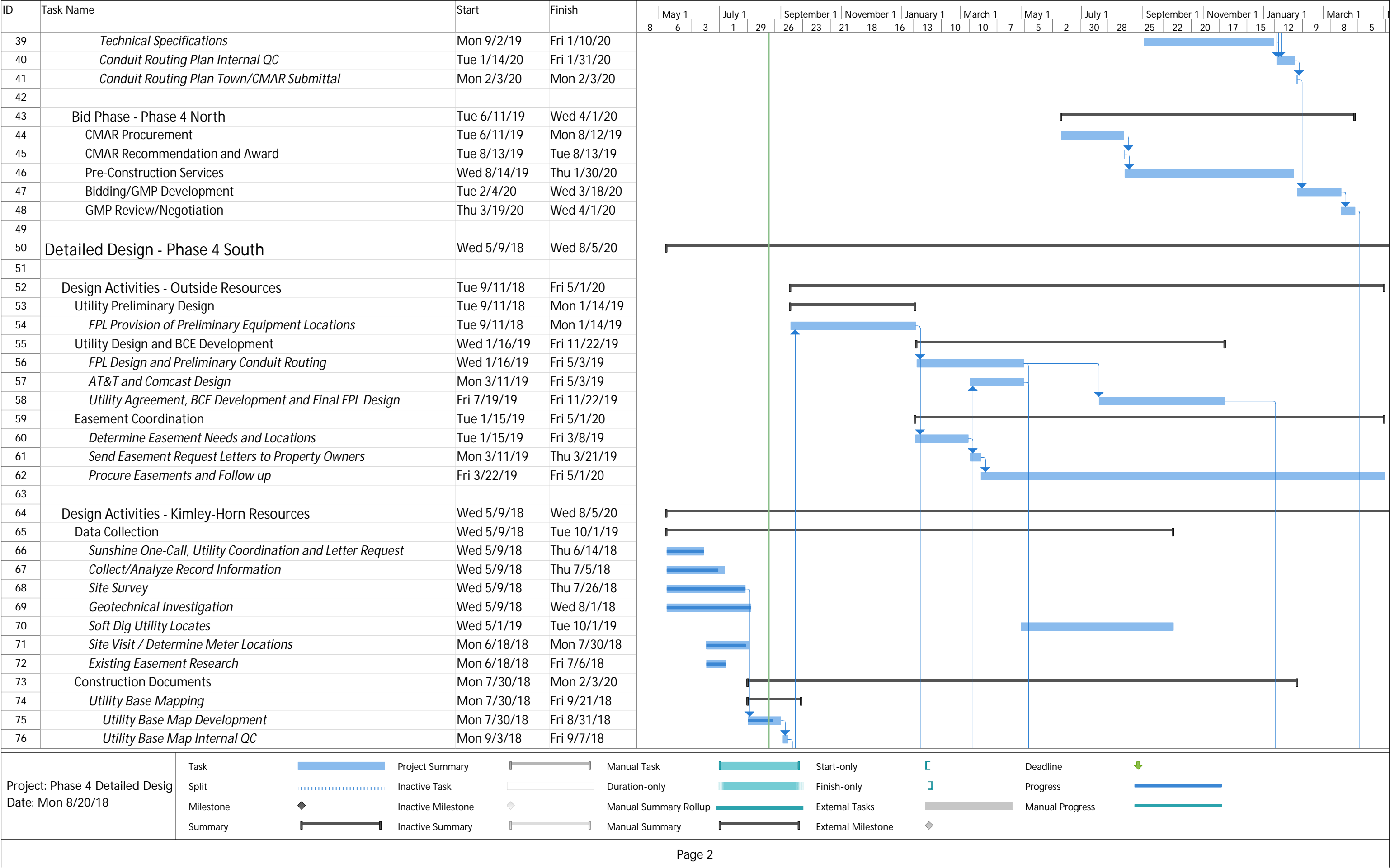
External Milestone

Deadline

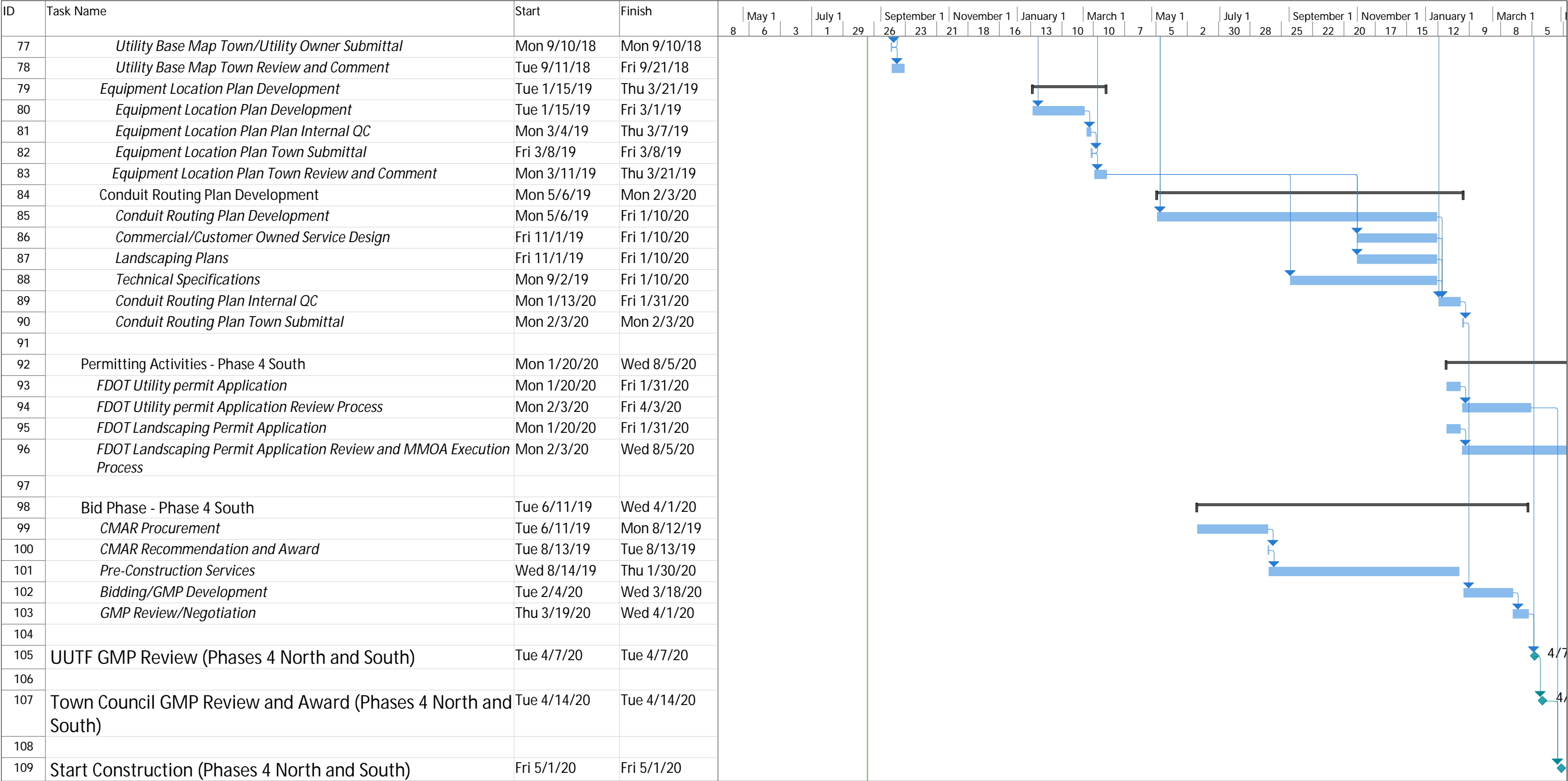
Progress

Manual Progress





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Project: Phase 4 Detailed Design
Date: Mon 8/20/18

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Vincent G. Burkhardt
President



Executive Summary

Vincent G. Burkhardt
President



Executive Summary
For
July 2018

Project Description

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

Project Status:

In the month of July the Crews continued with permanent pavement restoration throughout the entire project, continued with tie ins to transformers, COMCAST boxes, and AT&T boxes. They also resumed setting of the concrete transformer pads and installation of the AT&T boxes

Towards the end of the month one of the crews began proofing the lines and installing pull strings. The crew also started to pull some of the main feeder cable through the conduits.

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

Vincent G. Burkhardt
President



Executive Summary
For
July 2018

Project Description

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

Project Status:

As mentioned in last month's Executive Summary the project had been completed. A punch list was generated and all of the punch list items were completed in July.

The project is complete, stayed within budget, and all punch list items completed.

Vincent G. Burkhardt
President



Master Schedule

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
1	Phase I - NORTH	52%	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)	100%	225 days	Mon 7/17/17	Fri 5/25/18																					
14	Feeder Splice Box Installation	90%	15 days	Thu 10/12/17	Wed 11/1/17																					
15	Set Transformers / Switch Cabinets (FPL)	70%	75 days	Sun 2/4/18	Thu 5/17/18																					
16	Secondary Services / Wire	65%	138 days	Tue 2/20/18	Thu 8/30/18																					
17	As-Built Submission / Review (FPL)	90%	47 days	Tue 2/20/18	Wed 4/25/18																					
18	Pull Wire / Terminations Primary (FPL)	50%	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	Mon 9/17/18	Fri 10/26/18																					
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	100%	45 days	Mon 7/17/17	Fri 9/15/17																					
28	Water Main	100%	79 days	Sun 10/15/17	Wed 1/31/18																					



SAFETY

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

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

CONSTRUCTION

- ◆ S. Ocean Blvd (Electrical Undergrounding Crew) - Current location just south of Sloan's Curve. Undergrounding Crews are 100% completed with feeder & primary conduit installation on S. Ocean Blvd. Approx. 98% of concrete vaults and pads for transformers and switches have been installed. Crews currently installing primary conduit/cables in utility easements between various properties along S. Ocean. Approximately 75% of feeder & primary cables pulled to date.
- ◆ Ibis Isle conduit and cable scope complete. Pending conversions after S. Ocean is made hot.
- ◆ Phipps Ocean Park North Restroom demolition complete. Existing utilities have been cut and capped. Site modifications to take place.
- ◆ Phipps Ocean North Parking Lot Lighting conduit installation has begun.
- ◆ S. Ocean Blvd Street Lighting conduit and boxes by W-T completed. Pole installation by FPL has begun.

DOCUMENTATION:

RFIs:

- A. 27 RFIs issued to date
- B. 1 Outstanding RFI

SUBMITTALS:

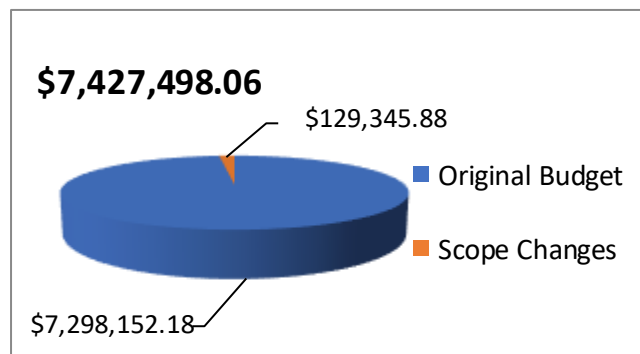
- A. 174+ Individual Submittals Processed
- B. 0 Submittal Package Currently Under Review
- C. 0 Submittal Packages Pending Submission to A/E

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.
- E. Revised Phase 2 Undergrounding South received August 6, 2018 from KHA.

RELEVANT POTENTIAL CHANGES:

FINANCIALS—BUDGET VS. COSTS



Current GMP Amount	—	\$7,427,498.06
Approved Owner Initiated Scope Changes	—	\$129,345.88
Gross Billings to Date (\$)	—	\$4,246,905.08
Gross Billings to Date (%)	—	57%
Schedule % Completed	—	62%



SCHEDULE SUMMARY

S. Ocean Undergrounding -Sta 11+10 to Sta 243+66									
1505	Comcast Conduit Installation	10	1	29AUG17 A	19JUN18				Comcast Conduit Installation
1521	WM Deflections	60	0	29AUG17 A	29DEC17 A				WM Deflections
1518	Line Stop Installations	50	0	04SEP17 A	29DEC17 A				Line Stop Installations
1543	FPL Feeder & Primary Conduits Installation	75	2	04SEP17 A	20JUN18				FPL Feeder & Primary Conduits Installation
1545	Service Sweep Condu /Set Equip Pads/Splice Boxes	75	2	27SEP17 A	20JUN18				Service Sweep Condu /Set Equip Pads/Splice Boxes
1512	FPL Feeder Splice Box Installation	20	2	23OCT17 A	20JUN18				FPL Feeder Splice Box Installation
1509	WT's Sub provide As-Built for ATT/Comcast	5	3	01NOV17 A	25JUN18				WT's Sub provide As-Built for ATT/Comcast
1550	FPL Transformer Pad Installation	20	2	01NOV17 A	22JUN18				FPL Transformer Pad Installation
1547	WT's Sub provides As-Built for FPL/TPB/K-H	5	1	29DEC17 A	21JUN18				WT's Sub provides As-Built for FPL/TPB/K-H
Ibis Isle									
3035	WT's Sub provides as-builts for FPL/TPB/KH	5	0	03JAN18 A	23MAR18 A				WT's Sub provides as-builts for FPL/TPB/KH
3035	ATT/Comcast Reviews as-builts/inspect/procure	20	10	02APR18 A	02JUL18				ATT/Comcast Reviews as-builts/inspect/procure
IMP 3013	Hold - No Install by Comcast per TOPB	30	20	25APR18 A	17JUL18				Hold - No Install by Comcast per TOPB
IMP 3012	Additional ATT & Comcast Conduit Installation	10	3	04JUN18 A	21JUN18				Additional ATT & Comcast Conduit Installation
3100	ATT/Comcast remove overhead facilities	20	20	18JUL18	14AUG18				ATT/Comcast remove overhead facilities
3065	Energize Primary	10	10	29AUG18	11SEP18				Energize Primary
3090	WT's Sub Converts Residential Services (FPL)	45	45	12SEP18	13NOV18				WT's Sub Converts Residential Services (FPL)
3110	Bid Unit #3 Substantial Completion	0	0		13NOV18				Bid Unit #3 Substantial Completion
3070	FPL Remove Overhead Conductors/Light/Poles	90	90	14NOV18	21MAR19				FPL Remove Overhead Conductors/Light/Poles
3080	Final Landscape & Irrigation Restoration	45	45	08MAR19	09MAY19				Final Landscape & Irrigation Restoration
3074	Curb Removal & Replacement	7	7	22MAR19	01APR19				Curb Removal & Replacement

SCHEDULE NOTES / IMPACTS:

- S. Ocean Street Lighting conduit & handhole installation by W-T completed. FPL Street Lighting pole installation has begun. FPL wire installation to begin thereafter.
- Parking Lot Lighting conduit and handholes completed. Pole removal pending. Coordination between utilities and W-T for overhead wire removal pending.
- Town has directed Comcast to resume installations on Ibis Isle. AT&T installations still on hold per the Town.
- Scope of work associated with Ibis Isle Bridge Watermain Crossing to begin early-mid September 2018.
- A-41 Pump Station in the process of permitting for renovations.

Underground Utility Project Budget
Project Financial Summary
August 31, 2018

Expenditures	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 1	\$ 12,620,000	\$ 12,900,000	\$ 12,642,040	\$ 10,030,216	79.3%
Phase 2	\$ 9,170,000	\$ 9,710,000	\$ 5,382,339	\$ 874,765	16.3%
Phase 3	\$ 10,910,000	\$ 11,360,000	\$ 1,222,094	\$ 627,660	51.4%
Phase 4	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	\$ 190,900	14.6%
Phase 5	\$ 14,090,000	\$ 14,850,000	\$ 81,087	\$ -	0.0%
Phase 6	\$ 16,820,000	\$ 17,690,000	\$ -	\$ -	
Phase 7	\$ 11,730,000	\$ 12,220,000	\$ -	\$ -	
Phase 8	\$ 12,300,000	\$ 12,890,000	\$ -	\$ -	
Other	\$ 570,000	\$ 980,414	\$ 980,414	\$ 1,294,021	132.0%
Total Project Costs To Date*	\$ 98,580,000	\$ 103,510,414	\$ 21,614,017	\$ 13,017,563	60.2%
* Updated OPC includes estimated AT&T credit					
Total Other Costs Outside Underground Budget			\$ 794,169	\$ 1,225,821	154.4%
Total Underground Project Costs			\$ 22,408,186	\$ 14,243,384	63.6%
Opinion of Cost - Master Plan			98,600,000		
AT&T and Comcast Additional Project Costs			6,700,000		
AT&T Credit - TBD			?		
FPL Credit			(3,300,000)		
Total Project Budget			\$ 102,000,000		
% Budgeted/Encumbered To Date Project Costs			21.19%		
% Spent to Date - Project Costs			12.76%		

Project Revenues Received

Revenues	Budget	Actual	% of Budget
Revenues			
Prepaid Assessments Reserved		\$ 11,562,768	0.0%
Assessment Revenue Reserved	\$ 5,080,000	\$ 4,250,727	83.7%
Commercial Paper	\$ 22,650,000	\$ 22,650,000	100.0%
Town Owned Property Prepaid Assessments	\$ 2,797,291	\$ 2,797,291	100.0%
Interest on Assessment Escrow	\$ -	\$ 170,785	
Interest	\$ 12,000	\$ 170,707	1422.6%
1 Cent Sales Tax	\$ 2,500,000	\$ 833,333	33.3%
Other			
Kevin McGann - CO #9		\$ 34,900	
Donations - Civic Association	\$ 49,250	\$ 49,250	100.0%
Transfer from (307) Fund CIP	\$ 760,200	\$ 760,200	100.0%
Transfer from (001) General Fund - PM Salary	\$ 130,000	\$ 108,333	
Total Project Revenues	\$ 33,978,741	\$ 43,388,295	127.7%

Underground Utility Project Budget
Phase 1 Project Costs
August 31, 2018

	Original OPC	Updated OPC	Budget	Actual	% Expended
Project Engineering					
Task 2.1 - Detailed Design North End	590,000		472,063	472,063	100.0%
Task 2.2 - Detailed Design South End	740,000		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	\$ 1,330,000	\$ 1,400,000	\$ 1,310,829	\$ 1,302,128	99.3%
Construction Costs					
Phase 1 North Construction					
Preconstruction			\$ 19,720	19,720	100.0%
Burkhardt Construction			\$ 3,598,144	2,961,396	82.3%
Street Light Conversion			\$ 26,273	26,273	100.0%
Change Order for AT&T and Comcast Conduit			\$ 371,201	291,884	78.6%
Utility Design Costs			\$ 15,595	15,595	100.0%
Utility Construction Costs (FPL, Comcast, AT&T)			\$ 476,776	187,499	39.3%
Construction Engineering (KH)			\$ 230,532	154,089	66.8%
	\$ 4,210,000	\$ 4,390,000	\$ 4,738,241	\$ 3,656,456	77.2%
Phase 1 South Construction					
Preconstruction			\$ 22,200	22,200	100.0%
Whiting Turner Construction			\$ 4,450,977	3,275,075	73.6%
Change Order for AT&T and Comcast Conduit			\$ 125,147	38,940	31.1%
Other Approved Change Orders - Additional soil borings at Ibis Isle			\$ 2,200	2,200	100.0%
Utility Design Costs			\$ 33,013	33,013	100.0%
Utility Construction Costs (FPL, Comcast, AT&T)			\$ 1,374,193	1,184,090	86.2%
Construction Engineering (KH)			\$ 283,880	214,219	75.5%
	\$ 6,800,000	\$ 6,830,000	\$ 6,291,610	\$ 4,769,737	75.8%
Easement Recording Fees			\$ 270	\$ 312	
Legal Costs/Easement Acquisition - Jones Foster	\$ 280,000	\$ 280,000	\$ 301,359	\$ 301,584	100.1%
Total Phase 1 Costs	\$ 12,620,000	\$ 12,900,000	\$ 12,642,040	\$ 10,030,216	79.3%

Underground Utility Project Budget
Phase 2 Project Costs
August 31, 2018

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 2 Design					
Kimley Horn					
Task 1.1 Phase 2 North Design	335,000	360,000	\$ 281,304	\$ 260,206	92.5%
Task 1.2 Phase 2 South Design	400,000	420,000	\$ 335,353	\$ 310,202	92.5%
Task 1.3 Permitting Assistance North and South			\$ 12,674	\$ 5,070	40.0%
Task 1.4 Bid Phase Assistance North and South			\$ 40,565	\$ 20,283	50.0%
Task 1.6 Meetings North and South			\$ 136,617	\$ 59,905	43.8%
Total Phase 2 Design	\$ 735,000	\$ 780,000	\$ 806,513	\$ 655,664	81.3%
Construction Costs					
Phase 2 North Construction					
Preconstruction			\$ 35,000	31,970	91.3%
Burkhardt Construction			\$ 4,015,865		
Approved Change Orders			\$ -		
FPL Design Cost			\$ 11,759		
ATT Design Cost			\$ 5,000		
Comcast Design Cost				\$ 4,582	
Utility Costs (FPL, AT&T)				\$ 64,472	
Construction Engineering (KH)			\$ 248,121		
Total Phase 2 North Construction	3,800,000	4,000,000	\$ 4,315,745	\$ 101,024	0.0%
Phase 2 South Construction	-				
Preconstruction			\$ 35,000	-	
Whiting Turner Construction					
Approved Change Orders			\$ -		
FPL Design Cost			\$ 13,330	12,850	
ATT Design Cost			\$ 5,000		
Comcast Design Cost				\$ 4,582	
Utility Costs (FPL, Comcast, AT&T)				\$ -	
Construction Engineering (KH)					
Total Phase 2 South Construction	4,435,000	4,730,000	\$ 53,330	\$ 17,432	0.0%
Easement Acquisition	200,000	200,000			
<i>Kimley Horn Easement Assistance</i>					
Task 1.5 Easement Assistance North			\$ 64,936	\$ 46,683	71.9%
Task 1.5 Easement Assistance South			\$ 77,466	\$ 35,302	45.6%
<i>Surveys</i>					
Task 1.7 Legal Sketch North			\$ 14,020	\$ 13,073	93.2%
Task 1.7 Legal Sketch South			\$ 16,725	\$ 3,250	19.4%
Advertising				\$ 1,101	
Jones Foster - Legal			\$ 25,000	\$ 265	
American Acquisition Group			\$ -		
Temp Services			\$ 5,000		
Recording Costs			\$ 3,605	\$ 971	
Total Easement Acquisition Costs	200,000	200,000	\$ 206,752	\$ 100,644	48.7%
Total Phase 2 Costs	\$9,170,000	\$9,710,000	\$ 5,382,339	\$ 874,765	16.3%

Underground Utility Project Budget
Phase 3 Project Costs
August 31, 2018

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 3 Design					
Kimley Horn					
Task 1.1 Phase 3 North Design	\$ 325,000	\$ 350,000	\$ 288,851	\$ 98,066	34.0%
Task 1.2 Phase 3 South Design	\$ 535,000	\$ 580,000	\$ 503,260	\$ 170,213	33.8%
Task 1.3 Permitting Assistance			\$ 13,739		0.0%
Task 1.4 Bid Phase Assistance			\$ 36,834		0.0%
Task 1.5 Meetings			\$ 101,652	\$ 225	0.2%
Deductive Change Order (Scope Change)			\$ (49,840)		0.0%
Total Phase 3 Design	\$ 860,000	\$ 930,000	\$ 894,496	\$ 268,504	30.0%
Construction Costs					
Phase 3 North Construction	\$ 3,700,000	\$ 3,850,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 12,850		
ATT Design Cost					
Comcast Design Cost					
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	\$ 3,700,000	\$ 3,850,000	\$ 12,850	\$ 357,810	0.0%
Phase 3 South Construction	\$ 6,090,000	\$ 6,320,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 11,359		
ATT Design Cost					
Comcast Design Cost					
Construction Engineering (KH)					
Total Phase 3 South Construction	\$ 6,090,000	\$ 6,320,000	\$ 11,359	\$ -	0.0%
Easement Acquisition	\$ 260,000	\$ 260,000			
<i>Kimley Horn Easement Assistance</i>					
Task 1 Easement Assistance North and South			\$ 235,953	\$ 1,346	0.6%
<i>Surveys</i>					
Task Legal Sketch South			\$ 37,436		
Jones Foster - Legal			\$ 25,000		
American Acquisition Group					
Temp Services			\$ 5,000		
Recording Costs					
Total Easement Acquisition Costs	\$ 260,000	\$ 260,000	\$ 303,389	\$ 1,346	0.4%
Total Phase 3 Costs	\$ 10,910,000	\$ 11,360,000	\$ 1,222,094	\$ 627,660	51.4%

Underground Utility Project Budget
Phase 4 Project Costs
August 31, 2018

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 4 Design					
Kimley Horn					
Task 1.1 Phase 4 North Design	\$ 402,000	\$ 435,000	\$ 312,317	\$ 78,079	0.0%
Task 1.2 Phase 4 South Design	\$ 413,000	\$ 435,000	\$ 451,284	\$ 112,821	0.0%
Task 1.3 Permitting Assistance			\$ 14,468	\$ -	0.0%
Task 1.4 Bid Phase Assistance			\$ 37,899	\$ -	0.0%
Task 1.6 Meetings			\$ 77,911	\$ -	0.0%
Total Phase 4 Design	\$ 815,000	\$ 870,000	\$ 893,879	\$ 190,900	0.0%
Construction Costs					
Phase 4 North Construction	4,605,000	4,820,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 12,757		
ATT Design Cost					
Comcast Design Cost					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 4 North Construction	\$ 4,605,000	\$ 4,820,000	\$ 12,757	\$ -	0.0%
Phase 4 South Construction	4,710,000	4,980,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 13,160		
ATT Design Cost					
Comcast Design Cost					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 4 South Construction	\$ 4,710,000	\$ 4,980,000	\$ 13,160	\$ -	0.0%
Easement Acquisition	\$ 240,000	\$ 240,000			
<i>Kimley Horn Easement Assistance</i>					
Easement Assistance (KH)			\$ 280,270	\$ 1,449	
Easement Assistance (KH) -- Switches			\$ 62,780		
<i>Surveys</i>					
Legal Sketch			\$ 38,230		
Legal Sketch - Switches			\$ 4,967		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs					
Total Easement Acquisition Costs	\$ 240,000	\$ 240,000	\$ 386,247	\$ -	0.0%
Total Phase 4 Costs	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	\$ 190,900	14.6%

Underground Utility Project Budget
Phase 5 Project Costs
August 31, 2018

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 5					
Kimley Horn					
Task 1.1 Phase 5 North Design	\$ 520,000	\$ 560,000			0.0%
Task 1.2 Phase 5 South Design	\$ 600,000	\$ 640,000			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	\$ 1,120,000	\$ 1,200,000	\$ -	\$ -	0.0%
Construction Costs					
Phase 5 North Construction	\$ 5,890,000	\$ 6,200,000			
Preconstruction					
Construction					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 5 North Construction	\$ 5,890,000	\$ 6,200,000	\$ -	\$ -	0.0%
Phase 5 South Construction	\$ 6,750,000	\$ 7,120,000			
Preconstruction					
Construction					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 5 South Construction	\$ 6,750,000	\$ 7,120,000	\$ -	\$ -	0.0%
Easement Acquisition	\$ 330,000	\$ 330,000			
<i>Kimley Horn Easement Assistance</i>					
Easement Assistance			\$ 75,696		
Surveys					
Legal Sketch			\$ 5,391		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs					
Total Easement Acquisition Costs	\$ 330,000	\$ 330,000	\$ 81,087	\$ -	0.0%
Total Phase 5 Costs	\$14,090,000	\$14,850,000	\$ 81,087	\$ -	0.0%

Underground Utility Project Budget
Other Project Costs
August 31, 2018

Master Plan	Budget	Actual	% Expended
Task 1.1 - Data Collection & GIS Base Mapping	\$ 88,021	\$ 88,021	100.0%
Task 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%
Comcast Preplanning - Master Plan		\$ 12,015	
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		\$ 200,675	
Commercial Paper Fees		\$ 10,907	
Commercial Paper Interest		\$ 177,243	
Total Other Project Costs	\$ 980,414	\$ 1,294,021	132.0%

U.S. Rate Forecasts

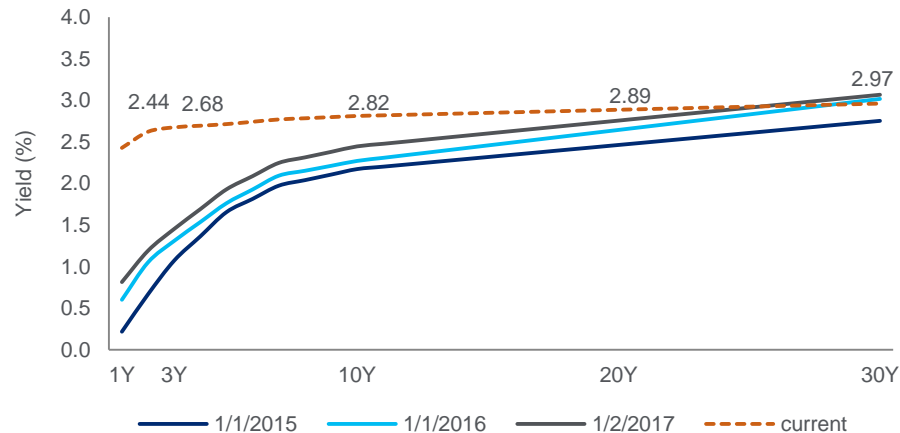
10-Year Treasury Yield Forecast

Citi forecasts a muted interest rate environment through the second half of 2018, while the street's is elevated



US Treasury Yield Curve

The yield curve bear-flattened slightly over the past week



Rate Forecasts

5-Year Treasury	Current	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19
Citi's Forecast	2.72%	2.60%	2.60%	2.60%	2.65%	2.70%	2.75%

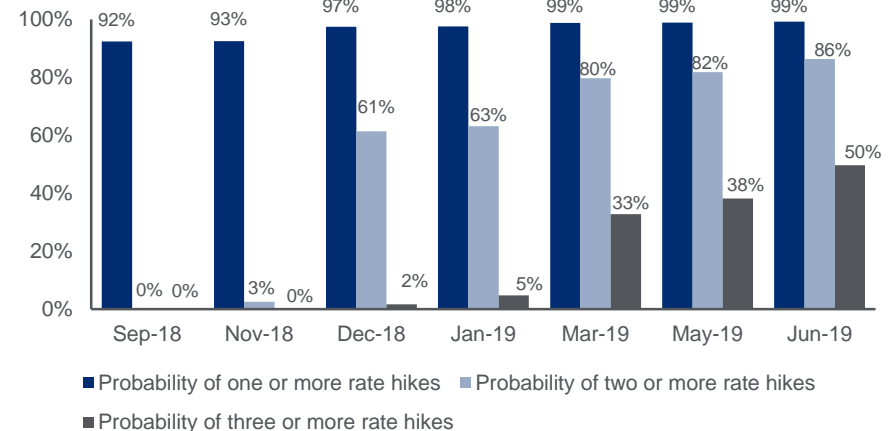
10-Year Treasury	Current	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19
Citi's Forecast	2.82%	2.65%	2.65%	2.65%	2.75%	2.80%	2.85%
Economists' Consensus		3.04%	3.11%	3.21%	3.30%	3.36%	3.46%

30-Year Treasury	Current	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19
Citi's Forecast	2.97%	2.90%	2.90%	2.95%	3.10%	3.15%	3.15%
Economists' Consensus		3.19%	3.30%	3.38%	3.47%	3.55%	3.63%

Fed Funds	Current	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19
Citi's Forecast	2.00%	2.25%	2.25%	2.50%	2.75%	3.00%	3.00%
Economists' Consensus		2.25%	2.50%	2.75%	3.00%	3.00%	3.00%

Expectations of Next Fed Increase in Rates

After keeping rates steady at last FOMC meeting, the Fed is likely to hike rates two more times, with the next hike likely to come in September



Source: Current rates and expectation of Fed hike as of August 24, 2018; Citi forecasts as of July 18, 2018; Bloomberg forecasts as of August 24, 2018.