



# City of Chattanooga

## Mayor Tim Kelly

January 31, 2024

J.C. Goodwin  
Water Enforcement Branch  
Enforcement and Compliance Assurance Division  
US EPA-Region 4  
61 Forsyth Street, SW  
Atlanta, GA 30303-8960

**Re: *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024***  
**Annual Work Progress Report No. 17 – January 2023 to December 2023**

Dear Mr. Goodwin:

On behalf of the City of Chattanooga, Tennessee ("City"), and in accordance with the consent decree entered by the United States District Court for the Eastern District of Tennessee (Southern Division), on April 24, 2013, in the case styled the United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the seventeenth annual work progress report required pursuant to paragraph 39 of the Consent Decree. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the Consent Decree.

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Mr. John Goodwin  
January 31, 2024  
Page Two

Please let me know if you have any questions regarding our submittal.

Sincerely,

  
Mark Heinzer (Jan 31, 2024 16:00 EST)

Mark Heinzer, P.E.  
Administrator, Wastewater Department

Enclosure

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Chattanooga



# Annual Work Progress Report No. 17

**January 1 – December 31, 2023**

*Prepared for*

**Environmental Protection Agency and  
Tennessee Department of Environment and  
Conservation**

City of Chattanooga  
Wastewater Department  
Consent Decree Program  
Case No. 1:12-cv-00245

*Prepared by*

**City of Chattanooga**  
Wastewater Department

*Submitted by*

**Jacobs**

Jacobs Engineering Group Inc.  
Consent Decree Program Manager

Chattanooga, Tennessee

January 31, 2024



# Contents

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<b>Contents</b> .....	<b>i</b>
<b>Appendix</b> .....	<b>iv</b>
<b>1. Executive Summary</b> .....	<b>1</b>
<b>2. Introduction</b> .....	<b>4</b>
2.1 Purpose .....	4
2.2 Requirements .....	4
2.3 Report Structure .....	4
<b>3. Work Progress</b> .....	<b>6</b>
3.1 Capacity, Management, Operations and Management (“CMOM”) Programs (¶20) (completed) .....	6
3.1.1 CMOM-Sewer Overflow Response Protocol (“SORP”) (¶20.a) (completed)	6
3.1.2 CMOM-Emergency Response Plan (¶20.b) (completed) .....	6
3.1.3 CMOM-FOG Mgmt. Plan (¶20.c) (completed).....	6
3.1.4 CMOM-Gravity Line Preventive Maintenance Program (“GLPMP”) (¶20.d) (completed).....	6
3.1.5 CMOM-PS Operations Program (“PSOP”) (¶20.e) (completed).....	6
3.1.6 CMOM-PS Preventive Maintenance Program (“PSPMP”) (¶20.f) (completed).....	6
3.1.7 CMOM-Hydraulic Model Development (¶20.g) (completed).....	6
3.1.8 CMOM-Capacity Assurance Program (“CAP”) (¶20.h.i) (completed) .....	6
3.1.9 CMOM-Inter-Jurisdictional Agreement (“IJA”) Program (¶20.i) (completed)	7
3.2 Sanitary Sewer Evaluation Study (“SSES”) Work Plan (¶21).....	7
SSES Work Plan (¶21.a) (completed) .....	7
Phase I SSES (¶21.b) (completed) .....	7
3.2.1 Focused SSES and Rehabilitation-Chattanooga Creek 4 (completed) ....	7
3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3 (completed).....	7

3.2.3	Focused SSES and Rehabilitation-South Chickamauga Creek 1 (completed).....	7
3.2.4	Focused SSES and Rehabilitation-South Chickamauga Creek 5 (completed).....	7
3.2.5	Focused SSES and Rehabilitation-South Chickamauga Creek 16 (completed).....	7
	Phase II SSES (§21.b).....	8
3.2.6	Focused SSES and Rehabilitation-Tennessee River 10 (completed).....	8
3.2.7	Focused SSES and Rehabilitation-Dobbs Branch 6 (completed).....	8
3.2.8	Focused SSES and Rehabilitation-Friars Branch 13 (completed).....	8
3.2.9	Focused SSES and Rehabilitation-Mackey Branch 5 (completed).....	8
3.2.10	Focused SSES and Rehabilitation-Tennessee River 8 Sewer Improvements .....	8
3.2.11	Focused SSES and Rehabilitation-South Chickamauga Creek 9 .....	8
3.2.12	Focused SSES and Rehabilitation-Tennessee River 5 .....	9
3.3	Early Action Capital Improvement Projects (§22) .....	9
3.3.1	SSO and Wet Weather Volume Reduction Projects.....	9
3.3.2	MBWWTP Projects (completed) .....	12
3.3.3	CSO Projects (completed).....	12
3.3.4	Operations Projects (completed) .....	12
3.4	East Bank/West Bank Outfall Assessment and Rehabilitation Plan (§23).....	12
3.5	Long Term Control Plan (“LTCP”) Updates (§24).....	13
3.5.1	LTCP-Additional Operational Plan (“AOP”) for Chattanooga Creek CSO Outfalls (§24.a) (completed).....	13
3.5.2	LTCP – AOP Implementation (§24.a) (completed) .....	13
3.5.3	LTCP-Post Construction Compliance Monitoring Program (§24.b) (completed).....	13
3.5.4	Maximizing Treatment at MBWWTP (§24.c) .....	13
3.6	MBWWTP Process Controls Program (§25) (completed).....	13
3.7	Green Infrastructure (“GI”) Program Plan for CSS Basins (§26) (completed) .....	13
3.8	Civil Penalty (§28-30) (completed) .....	14
3.8.1	Cash Payment (§29) (completed).....	14

3.8.2	Highland Park GI Demonstration Project (¶30) (completed) .....	14
3.9	Agawela Drive Stream Restoration – SEP (¶31-37) (completed).....	14
3.10	Reporting Requirements (¶38-40).....	14
3.11	Stipulated Penalties (¶46-55).....	15
<b>4.</b>	<b>Additional Work (¶39).....</b>	<b>17</b>
4.1	201 Facility Plan Update (completed).....	17
4.2	Citico Pump Station and CSOTF Upgrades (completed).....	17
4.3	South Chick Pump Station Phase II and Spring Creek Pump Station Upgrades (completed) .....	17
4.4	Carter Street Sewer Rehabilitation (completed) .....	17
4.5	MBWWTP-Control Room Upgrades (completed) .....	17
4.6	MBWWTP – Detritors Rehabilitation (completed).....	17
4.7	Implementation of CD GI Projects in the CSS (completed) .....	18
4.8	Friar’s Branch-South Chick Creek 5 Interceptor Rehabilitation (completed) .....	18
4.9	Citico Pump Station Reliability Improvements (completed) .....	18
4.10	MBWWTP Secondary Clarifier Upgrades and Additions (completed).....	18
4.11	CSOTF Study (completed).....	18
4.12	South Chickamauga Interceptor Improvements – Phase 1 (completed).....	18
4.13	Focused SSES and Rehabilitation-South Chickamauga Creek 1 – Phase 2 (completed) .....	18
4.14	Critical Pump Station Improvements Master Plan (completed).....	18
4.15	Lupton Drive Chronic SSO Elimination Project (completed) .....	19
4.16	Brainerd Golf Course Pump Station Safety Upgrade.....	19
4.17	Pump Station Improvements – Hixson 2 .....	19
4.18	Wet Weather Combined Sewer Storage – Phase 1, 2 & 3 (completed).....	19
4.19	CSOTF Improvements – Phase 1 .....	19
4.20	CSOTF Equipment Replacement Program .....	20
4.21	Dobbs Branch Basin Improvements – Phase 1 .....	20
4.22	Dobbs Branch Basin Improvements – Phase 2 .....	20
4.23	Wet Weather Storage Phase 4 – South Chickamauga Pump Station.....	20

4.24	Citico Pump Station Improvements .....	21
4.25	Riverview Park/CGCC Chronic SSO Elimination Project.....	21
4.26	South Chick Creek 2, 3, & 4 Interceptor Rehab.....	21
4.27	Tiftonia Pump Station 1 Safety Upgrade .....	21
4.28	ISS Capacity Improvements – Creekside Preserve.....	21
4.29	Wet Weather Storage Phase 6 – Hixson Pump Station 1 .....	22
4.30	Tiftonia Pump Station 2 Safety Upgrade .....	22
4.31	MBWWTP SCADA Master Plan – Phase 1 - 3 .....	22
4.32	MBWWTP Improvements – Centrifuge Upgrades (completed).....	22
4.33	Citico Force Main Rehabilitation.....	22
4.34	Mountain Creek Pump Station Improvements (completed) .....	23
4.35	Big Ridge #5 Pump Station Improvements.....	23
4.36	Big Ridge #2 Pump Station Improvements.....	23
4.37	Highland Park Pump Station Improvements.....	23
4.38	Lookout Creek Sewer Basin Master Plan (completed) .....	23
4.39	MBWWTP Wet Weather Response Team (completed).....	23
4.40	Selected Pump Station Safety Upgrades .....	24
4.41	23 <sup>rd</sup> Street Pump Station Improvements.....	24
4.42	Influent Pump Station Improvements (IPS Screen Bypass).....	24
4.43	Central Avenue Sewer Improvements (Prev. Lupton City Sewer Rehab).....	24
4.44	Winterview Pump Station and Basin Improvements .....	24
4.45	Tiftonia Pump Station #3 Improvements.....	25
4.46	South Chickamauga Pump Station Improvements .....	25
4.47	Green Infrastructure – Lincoln Park .....	25

## Appendix

### A Project Schedules Gantt Chart

#### Tables



1-1 Completed Projects and Submitted Consent Decree Deliverables for the Current Reporting Period ..... 1

1-2 Anticipated Completed Projects and Consent Decree Deliverables for the Next Reporting Period..... 2

# Acronyms and Abbreviations

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ARAP	Aquatic Resource Alteration Permit
CAP	Capacity Assurance Program
CD	Consent Decree
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations, and Management
CSO	Combined Sewer Overflow
CSOTF	Combined Sewer Overflow Treatment Facility
CSS	Combined Sewer System
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
ESIP	Enterprise South Industrial Park
FOG	Fats, Oils, and Grease
FSE	Food Service Establishments
GLPMP	Gravity Line Preventative Maintenance Program
HVAC	Heating, Ventilation, and Air Conditioning
I/I	Inflow and Infiltration
IPS	Influent Pump Station
ISS	Interceptor Sewer System
LF	Linear Feet
LTCP	Long Term Control Plan
MBWWTP	Moccasin Bend Wastewater Treatment Plant
MBEC	Moccasin Bend Environmental Campus
MCC	Motor Control Center
MGD	Million Gallons per Day
N/A	Not Applicable
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollution Discharge Elimination System

NTP	Notice to Proceed
PCP	Process Controls Program
PCCMP	Post Construction Compliance Monitoring Program
PDR	Public Document Repository
PLC	Programmable Logic Controller
PS	Pump Station
PSOP	Pump Station Operations Program
PSPMP	Pump Station Preventive Maintenance Program
RDII	Rain-derived Infiltration and Inflow
RFQ	Request for Quotation
SCADA	Supervisory Control and Data Acquisition
SOP	Standard Operating Procedure
SORP	Sewer Overflow Response Protocol
SRF	State Revolving Funds
SSES	Sanitary Sewer Evaluation Study
SSO	Sanitary Sewer Overflow
SUO	Sewer Use Ordinance
TCWN	Tennessee Clean Water Network
TDEC	Tennessee Department of Environment and Conservation
TDOT	Tennessee Department of Transportation
USDOJ	United States Department of Justice
VFD	Variable Frequency Drive
WCTS	Waste Collection and Transmission System
WWD	Wastewater Department
WWTA	Wastewater Treatment Authority

# 1.Executive Summary

On April 24, 2013, the City of Chattanooga (“City”) entered into a consent decree with the United States and the State of Tennessee, in the case styled *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245* (“CD”). This Annual Work Progress Report (“Report”) has been prepared pursuant to the requirements of paragraph 39 of the CD. In accordance with the CD, this Report presents the major milestones achieved in the last 12 months, and also provides projections for activities anticipated to be completed in the following 12 months. This Report presents milestones achieved from January 1, 2023 through December 31, 2023 (“Report Period”), and the projections cover the period of January 1, 2024 through December 31, 2024.

During the Report Period, the City developed and submitted the deliverables that are listed in Table 1-1 to the Environmental Protection Agency (“EPA”) and the Tennessee Department of Environment and Conservation (“TDEC”) for review and approval. This information is also presented in Gantt chart format in Appendix A.

**Table 1-1**

Completed Projects and Submitted Consent Decree Deliverables for the Current Reporting Period

<b>CD Projects and Deliverables</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Submittal Date/ Completion Date</b>
Quarterly Report No. 38	Section IX., para 38	1/31/2023	1/31/2023
Quarterly Report No. 39	Section IX., para 38	4/30/2023	4/30/2023
Quarterly Report No. 40	Section IX., para 38	7/31/2023	7/31/2023
Quarterly Report No. 41	Section IX., para 38	10/31/2023	10/31/2023
Annual Work Progress Report No. 16	Section IX., para 39	1/31/2023	1/31/2023
Annual Report 10	Section IX., para 40	2/28/2023	2/28/2023
DuPont PS and Basin Improvements – Phase 2**	Section VI., para 22	6/24/2020*	5/22/2023

\*A Notice of Delay was sent to EPA on August 23, 2018

Table 1-2 lists the projects and deliverables that the City expects to complete during the upcoming annual period of January 1, 2024 through December 31, 2024. This information is also available in Gantt chart format in Appendix A.

**Table 1-2**

Anticipated Completed Projects and Consent Decree Deliverables for the Next Reporting Period

<b>CD Projects and Deliverables</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Anticipated Submittal/ Completion Date</b>
Quarterly Report No. 42	Section IX., para 38	1/31/2024	1/31/2024
Quarterly Report No. 43	Section IX., para 38	4/30/2024	4/30/2024
Quarterly Report No. 44	Section IX., para 38	7/31/2024	7/31/2024
Quarterly Report No. 45	Section IX., para 38	10/31/2024	10/31/2024
Annual Work Progress Report No. 17	Section IX., para 39	1/31/2024	1/31/2024
Annual Report 11	Section IX., para 40	2/28/2024	2/28/2024

On December 4, 2023, the parties proposed a modification to the CD, which extends certain deadlines in the Consent Decree while adding remedial projects that the City must complete. (“First Material CD Modification”). The First Material CD Modification will not be effective until approved by the Court following a mandatory public notice period. The new projects will be undertaken in collaboration with the Hamilton County Water and Wastewater Treatment Authority (“WWTA”) and will be implemented at locations where the work will benefit both the City’s sewer system and the sewer system owned and operated by WWTA. These projects will consist of the design and construction of equalization basins for temporary storage of wet weather flows from WWTA’s sewer system that are transmitted into Chattanooga’s sewer system. The mitigation of wet weather flows from WWTA’s system into Chattanooga’s sewer system will facilitate the elimination of sanitary sewer overflows (“SSOs”) in the City’s system. The cost of the additional required projects is estimated to be \$185 million.

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# 2. Introduction

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## 2.1 Purpose

Pursuant to Section IX, paragraph 39, of the CD, the City is required to submit work progress reports on an annual basis to the EPA and TDEC. Chattanooga has prepared this Report to satisfy this reporting requirement.

## 2.2 Requirements

As detailed in Section IX of the CD, the City is required to report the following information concerning compliance with the remedial actions set forth under the CD:

1. A description of projects and activities completed and milestones achieved during the previous 12-month period pursuant to the requirements of the CD, in Gantt chart or similar format, including a description of compliance or non-compliance with the requirements of the CD and, if applicable, the reasons for non-compliance;
2. A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the successive 12-month period to comply with the requirements of the CD, in Gantt chart or similar format; and
3. Any additional information the City determines is appropriate to demonstrate that the City is implementing the remedial actions required under the CD in an adequate and timely manner.

## 2.3 Report Structure

Work progress is presented in the body of the Report in a narrative format. This narrative includes a brief description of each CD project, as well as any activities completed or milestones that were achieved or are anticipated to be completed. In addition to these descriptions, a detailed schedule containing each of the projects in Gantt format is provided in Appendix A.

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# 3. Work Progress

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## 3.1 Capacity, Management, Operations and Management (“CMOM”) Programs (¶20) (completed)

### 3.1.1 CMOM-Sewer Overflow Response Protocol (“SORP”) (¶20.a) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

### 3.1.2 CMOM-Emergency Response Plan (¶20.b) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

### 3.1.3 CMOM-FOG Mgmt. Plan (¶20.c) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016. A revised FOG Plan was submitted to the EPA on September 28, 2016 and approved on December 7, 2016.

### 3.1.4 CMOM-Gravity Line Preventive Maintenance Program (“GLPMP”) (¶20.d) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

### 3.1.5 CMOM-PS Operations Program (“PSOP”) (¶20.e) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

### 3.1.6 CMOM-PS Preventive Maintenance Program (“PSPMP”) (¶20.f) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

### 3.1.7 CMOM-Hydraulic Model Development (¶20.g) (completed)

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

### 3.1.8 CMOM-Capacity Assurance Program (“CAP”) (¶20.h.i) (completed)

This CAP report required by ¶20.h.i. has been completed. See Semi-Annual Work Progress Report No. 7 submitted January 25, 2017. The requirements set forth in ¶20.h.ii. have been extended to sixty (60) months after the effective date of the First Material CD Modification.

### **3.1.9 CMOM-Inter-Jurisdictional Agreement (“IJA”) Program (§20.i) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 4 submitted July 24, 2015.

## **3.2 Sanitary Sewer Evaluation Study (“SSES”) Work Plan (§21)**

### **SSES Work Plan (§21.a) (completed)**

According to paragraph 21.a. of the Consent Decree, “Within nineteen (19) Months after the Effective Date of this Consent Decree, Chattanooga shall submit to EPA and TDEC for review and comment a SSES Work Plan.” This deliverable was due on November 24, 2014, and Chattanooga submitted it early on November 18, 2014.

### **Phase I SSES (§21.b) (completed)**

EPA approved the SSES Work Plan on July 10, 2015, which required all of the Phase I SSES work (involving the five following sewersheds: Chattanooga Creek 4; Dobbs Branch 3; South Chickamauga Creek 1; South Chickamauga Creek 5; and South Chickamauga Creek 16) to be completed under the plan by July 10, 2020, in accordance with paragraph 21.b. of the Consent Decree. All of the work under the Phase I SSES Work Plan was completed by that date (in fact, it was completed by January 29, 2019) as set forth as follows:

#### **3.2.1 Focused SSES and Rehabilitation-Chattanooga Creek 4 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

#### **3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

#### **3.2.3 Focused SSES and Rehabilitation-South Chickamauga Creek 1 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

#### **3.2.4 Focused SSES and Rehabilitation-South Chickamauga Creek 5 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

#### **3.2.5 Focused SSES and Rehabilitation-South Chickamauga Creek 16 (completed)**

This project has been completed. See Semi-Annual Report No. 5 submitted January 27, 2016. We also note that this work was also completed in conjunction with related work in and adjacent to this basin involving the Early Action Capital Improvement Project #3.3.1.3 below (East Brainerd Collection System and PS Rehabilitation). See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

## **Phase II SSES (¶21.b)**

According to paragraph 21.b. of the Consent Decree “SSES Phase II shall be completed for the remaining twenty-four (24) Sewersheds, as shown on the map attached hereto as Appendix A, within fifteen (15) years after EPA’s approval of the SSES Work Plan.” Based on the approval date of the SSES Work Plan by EPA, the due date for the Phase II SSES work is July 10, 2030. Chattanooga has begun work on Phase II, as outlined below. We note that four of these sewersheds were completed early during in Phase I in conjunction with related work in and adjacent to this basin involving Early Action Capital Improvement Projects.

### **3.2.6 Focused SSES and Rehabilitation-Tennessee River 10 (completed)**

This project was completed as part of Early Action Capital Improvement Project #3.3.1.1 below (DuPont Pump Station and Basin Improvements – Phase 1).

### **3.2.7 Focused SSES and Rehabilitation-Dobbs Branch 6 (completed)**

This project was completed as part of Early Action Capital Improvement Project #3.3.1.7 below (Highland Park Sewer Rehabilitation).

### **3.2.8 Focused SSES and Rehabilitation-Friars Branch 13 (completed)**

This project was completed as part of Early Action Capital Improvement Project #3.3.1.13 below (Friars Branch Basin Improvements).

### **3.2.9 Focused SSES and Rehabilitation-Mackey Branch 5 (completed)**

This project was completed as part of Early Action Capital Improvement Project #3.3.1.3 below (East Brainerd Collection System and PS Rehabilitation).

### **3.2.10 Focused SSES and Rehabilitation-Tennessee River 8 Sewer Improvements**

The project involves SSES work in the Tennessee River 8 sewer sub-basin on approximately 96,300 linear feet of pipe to identify areas where unwanted groundwater or stormwater can infiltrate the sanitary sewer system. From the SSES, approximately 38,500 linear feet of sewer and service pipeline and 400 manholes will be repaired or replaced. Approximately 3,700 linear feet of 8 and 10-inch sewer will also be upgraded to 12-inch. The NTP for professional services was issued on January 13, 2021. The construction began in the first half of 2023 and the project is expected to be completed in the first half of 2025.

### **3.2.11 Focused SSES and Rehabilitation-South Chickamauga Creek 9**

The project involves SSES work in the South Chick Creek 9 sewer sub-basin on approximately over 74,100 linear feet of pipe to identify areas where groundwater or stormwater can infiltrate the sanitary sewer system. From the SSES, approximately over 29,600 linear feet of sewer and service pipeline and over 190 manholes will be repaired or replaced using methods of cured-in-place pipe, point repairs, and open cut. This project will reduce I/I in both sub-basins and eliminate SSOs, and in particular, the Shallowford Road Chronic SSO located in the South Chick Creek 9 sewer sub-basin. The construction for South Chick Creek 9 began in the first half of 2023 and is expected to be completed in the second half of 2024.

### 3.2.12 Focused SSES and Rehabilitation-Tennessee River 5

The project's rehabilitation works will include cured-in-place pipe ("CIPP"), pipe bursting, open cut construction, point repairs, and manhole rehabilitation and replacement. These upgrades will reduce significant Inflow and Infiltration ("I/I") issues and SSOs in the area, as well as increase the overall system reliability. The NTP for professional services was issued in June 2022. The construction began in the second half of 2023 and is expected to be completed in the second half of 2024.

## 3.3 Early Action Capital Improvement Projects (§22)

### 3.3.1 SSO and Wet Weather Volume Reduction Projects

#### 3.3.1.1 *DuPont Pump Station and Basin Improvements – Phase 1 (completed) and Phase 2 (completed)*

The DuPont Pump Station ("PS") and Basin Improvements Phase 1 and 2 projects are being performed pursuant to Paragraph 22 and Appendix C of the CD.

Phase 1 This work has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

Phase 2 The original plan called for the design and construction of approximately 7.5 million gallons of wet weather storage and a new wet weather PS at the DuPont PS site. Prior to the start of construction in the first half of 2017, public concern of the nature of the project grew and the City undertook an analysis of potential alternatives. In 2018, the City developed a new plan which calls for the re-design and construction of an approximately 22 Million Gallons per Day ("MGD") new wet weather PS further downstream of the existing DuPont PS site on City owned property in a commercial area where the DuPont-Lupton City interceptors merge. The re-design also includes a new diversion structure, standby generator, and upsizing of approximately 7,000 LF section of gravity interceptors.

We note that on August 23, 2018, the City submitted a Notice of Delay to EPA pursuant to paragraph 57 of the Consent Decree, detailing the following with respect to this project: an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay; Chattanooga's rationale for attributing such delay to a force majeure event; and a statement as to whether, in the opinion of Chattanooga, such event may cause or contribute to an endangerment to public health, welfare, or the environment.

Following the initial notice, additional challenges have caused additional delays: the COVID-19 pandemic and associated supply chain issues, along with delays from permitting agencies (e.g., TVA, USACE, and TDEC). The re-design was completed and approved in October 2019. Successful bids for both PS and pipeline contract were received by February 13, 2020. Several challenges slowed down construction, including the 9-month review of the TVA 26a permit from Jan 2020 to Oct 2020, the required Phase 1 Archaeological Survey completed in the Summer of 2020, the SRF review of ATA package for Contract B (Gravity Sewer), lengthy negotiations with the Riverton Development for easement and drainage issues, coordination with the railroad for boring, and a construction claim between the consultant and the contractor. This project has since been completed in May 2023.

**3.3.1.2 Collegedale Pump Station Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 7 submitted January 25, 2017.

**3.3.1.3 East Brainerd Collection System and Pump Station Rehabilitation (completed)**

Collections System Rehabilitation- This work has been completed. See Semi-Annual Report No. 5 submitted January 27, 2016.

PS Rehabilitation- This work has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

**3.3.1.4 Altamont Sewer Basin and Pump Station Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 2 submitted July 28, 2014.

**3.3.1.5 Pineville Pump Station and Sewer Basin Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

**3.3.1.6 Citico Creek Interceptor Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 2 submitted July 28, 2014.

**3.3.1.7 Highland Park Sewer Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 9 submitted January 29, 2018.

**3.3.1.8 Citico CSOTF Pump Station Improvement Study (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

**3.3.1.9 Tremont Area Sewer Separation Study (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 2 submitted July 28, 2014.

**3.3.1.10 Enterprise South Industrial Park ("ESIP") Pump Station, Force Main and Interceptor Upgrade (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

**3.3.1.11 Orchard Knob Pump Station Improvements (completed)**

This work has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

**3.3.1.12 Friars Branch Pump Station Improvements (completed)**

This project has been substantial completed. See Semi-Annual Work Process Report No.12 submitted July 31, 2019.

**3.3.1.13 Friars Branch Basin Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

**3.3.1.14 Chattanooga Creek Interceptor Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.1.15 Tannery Flats Interceptor Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.1.16 East Bank/West Bank (“EB/WB”) Flow Monitoring (complete)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.1.17 Environmental and Economic Infrastructure Improvement Plan (“E2I2”) SSO Abatement Program**

These projects will be added as a CD-required project under Paragraph 22 by the First Material CD Modification when it is effective. We are providing information on these projects on the assumption that the CD Modification will be approved by the Court.

e2I2 – Lee Highway (Appendix C, Project 16) - This project is described in detail in the e2i2 Agreement, as amended. The main features of this project are to perform a flow analysis to determine a basis of design and install a wet weather pump station, storage tank to equalize wet weather flows, and upgrade gravity sewer and other appurtenances.

e2I2 – East Ridge (Appendix C, Project 17) - This project is described in detail in the e2i2 Agreement, as amended. The main features of this project are to perform a flow analysis to determine a basis of design and install a wet weather pump station, storage tank to equalize wet weather flows, and upgrade gravity sewer and other appurtenances.

e2I2 – Signal Mountain/Red Bank (Appendix C, Project 18) - This project is described in detail in the e2i2 Agreement, as amended. The main features of this project are to perform a flow analysis to allow for the upgrade of gravity sewers and other appurtenances and to determine a basis of design and install wet weather pump station(s) and storage tank(s) to equalize wet weather flows from Red Bank and potentially flows from the Signal Mountain POTW. If Chattanooga has received notification by July 1, 2024, that WWTA will decommission the Signal Mountain plant and send Signal Mountain flow to Chattanooga, this project shall be sized, designed and constructed to accommodate Red Bank flows and flows from the Signal Mountain WWTP, as described in the e2i2 Agreement, as amended. If Chattanooga has not received notification by July 1, 2024, that WWTA will decommission the Signal Mountain plant and send Signal Mountain flows to Chattanooga, this project, if necessary, shall be sized, designed and constructed to accommodate Red Bank flows, as described in the e2i2 Agreement, as amended, and Chattanooga shall not be required to manage any Signal Mountain WWTP flows through this project.

The NTP for professional services was issued in April 2020, and the 15% design was completed in the second half of 2022. An RFP was issued in November 2022 and a Design-Build team was

selected, with the NTP issued on July 26, 2023. The design is in progress and construction is anticipated to start in the second half of 2024.

### **3.3.2 MBWWTP Projects (completed)**

#### **3.3.2.1 MBWWTP Secondary Clarifier Valve Motor Operator Replacement (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

#### **3.3.2.2 MBWWTP Hydraulic and Pump Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

#### **3.3.2.3 MBWWTP Bar and Fine Screen Replacements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

#### **3.3.2.4 MBWWTP Effluent Disinfection System Upgrade (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

### **3.3.3 CSO Projects (completed)**

#### **3.3.3.1 Carter Street CSOTF Sewer Outfall Replacement (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

#### **3.3.3.2 Automation of Valve Operators at CSO Facilities (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 1 submitted January 30, 2014.

### **3.3.4 Operations Projects (completed)**

#### **3.3.4.1 South Chickamauga Pump Station Reliability Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 1 submitted January 30, 2014.

#### **3.3.4.2 MBWWTP Telemetry and Supervisory Control and Data Acquisition (“SCADA”) Upgrades (Completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 9 submitted January 29, 2018.

## **3.4 East Bank/West Bank Outfall Assessment and Rehabilitation Plan (¶23)**

Pursuant to the CD Modification, “in the event that either the East Bank Outfall or the West Bank Outfall experiences an SSO within a 12-month period commencing sixty (60) Months from Effective Date of the First Material Modification, Chattanooga shall submit to EPA and

TDEC for review and comment within seven (7) Months after such SSO event (that occurs during that 12-month period) an East Bank/West Bank Assessment and Rehabilitation Plan to eliminate SSOs from these unpermitted outfalls.” Therefore, assuming that the CD Modification is approved by the Court, this requirement will become effective 5 years from that date.

### **3.5 Long Term Control Plan (“LTCP”) Updates (§24)**

#### **3.5.1 LTCP-Additional Operational Plan (“AOP”) for Chattanooga Creek CSO Outfalls (§24.a) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 9 submitted January 29, 2018.

#### **3.5.2 LTCP – AOP Implementation (§24.a) (completed)**

This project was completed. See Annual Work Progress Report No. 16 submitted January 31, 2023. A final letter documenting the force majeure was sent to EPA on July 11, 2023.

#### **3.5.3 LTCP-Post Construction Compliance Monitoring Program (§24.b) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

#### **3.5.4 Maximizing Treatment at MBWWTP (§24.c)**

This project includes the development of a feasible alternatives analysis to assess the implementation of any feasible alternatives to prevent the illegal Bypass from any treatment process at the MBWWTP. According to paragraph 24.c. of the Consent Decree, “in the event that a Bypass occurs within the first (1st) year following completion of SSES Phase I and the Early Action Capital Improvement Projects, Chattanooga shall submit to EPA and TDEC for review and comment within twelve (12) Months after such Bypass event a Feasible Alternatives Analysis in accordance with Section II.C.7 of the CSO Control Policy.” The Early Action Capital Improvement Projects were completed in May 2023. There were no illegal Bypasses from any treatment process at the MBWWTP from May to December 2023. This requirement will be met without triggering the need for a feasibility study if there are no illegal Bypasses from any treatment process at the MBWWTP from January to April 2024.

### **3.6 MBWWTP Process Controls Program (§25) (completed).**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

### **3.7 Green Infrastructure (“GI”) Program Plan for CSS Basins (§26) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.



### **3.8 Civil Penalty (§28-30) (completed)**

Compliance with Section VII of the CD requires the payment of the sum of \$476,400 as a civil penalty. Payment of the civil penalty is to be made as follows:

- Cash Payment – 50% of the civil penalty (\$238,200) is to be paid to the United States by FedWire Electronic Funds Transfer. This payment was made to EPA on May 17, 2013.
- State Project – the remaining 50% of the civil penalty is to be spent on the state project in accordance to Appendix D of the CD.

#### **3.8.1 Cash Payment (§29) (completed)**

In accordance with Paragraph 29 of the CD, the cash payment of \$238,200 was made to EPA on May 17, 2013.

#### **3.8.2 Highland Park GI Demonstration Project (§30) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

### **3.9 Agawela Drive Stream Restoration – SEP (§31-37) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

### **3.10 Reporting Requirements (§38-40)**

Compliance with Section IX of the CD requires the City to submit the following reports on a calendar schedule:

- Quarterly Reports (§38), including detailed information on Chattanooga's SSOs, CSO discharges and bypasses at the MBEC;
- Annual Work Progress Reports (§39), including CD deliverable milestones achieved in the last 12 months and projections for activities anticipated to be completed in the following 12 months; and
- Annual Reports (§40), including trends and analyses of the results of the Chattanooga CD programs including CMOM and SSO reduction programs.

To date, the following reports have been submitted to the EPA:

- Quarterly Reports 1 – 41;
- Semi-Annual Work Progress Reports 1 – 13;
- Annual Work Progress Report 14 - 16; and
- Annual Reports 1 - 10.

The following reports will be submitted to the EPA during (or shortly after) the next Reporting Period:

- Quarterly Reports– 42 - 45;
- Annual Work Progress Report 17, and

- Annual Report 11.

### **3.11 Stipulated Penalties (§46-55)**

There were no demands for stipulated penalties from EPA during this Report Period.

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## 4. Additional Work (¶39)

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According to paragraph 39(c) of the CD, the City is required to include in this Report “any additional information Chattanooga determines is appropriate to demonstrate that Chattanooga is implementing the remedial actions required under this Consent Decree in an adequate and timely manner.” The purpose of this section is to address this requirement of the CD.

In addition to the work progress achieved in accordance with the CD as described in the previous sections, the City continued to implement remedial and improvement efforts under the existing Capital Improvement Program during the Reporting Period. The work described below is aimed at assessing and improving Chattanooga’s Interceptor Sewer System (“ISS”). While not required by the CD, these projects directly impact Chattanooga’s on-going effort to reduce and eliminate SSOs.

### **4.1 201 Facility Plan Update (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 7 submitted January 25, 2017.

### **4.2 Citico Pump Station and CSOTF Upgrades (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

### **4.3 South Chick Pump Station Phase II and Spring Creek Pump Station Upgrades (completed)**

This project has been completed. See Annual Work Progress Report No. 14 submitted February 02, 2021.

### **4.4 Carter Street Sewer Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

### **4.5 MBWWTP-Control Room Upgrades (completed)**

This project has been completed. See Semi-Annual Work Progress Report No.12 submitted July 31, 2019.

### **4.6 MBWWTP – Detritors Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

#### **4.7 Implementation of CD GI Projects in the CSS (completed)**

This project has been completed. See Semi-Annual Work Progress Report No.13 submitted January 31, 2020.

#### **4.8 Friar's Branch-South Chick Creek 5 Interceptor Rehabilitation (completed)**

This project has been completed. See Annual Work Progress Report No. 14 submitted February 02, 2021.

#### **4.9 Citico Pump Station Reliability Improvements (completed)**

This project has been completed. See Annual Work Progress Report No. 14 submitted February 02, 2021.

#### **4.10 MBWWTP Secondary Clarifier Upgrades and Additions (completed)**

This project has been completed. See Semi-Annual Work Progress Report No.12 submitted July 31, 2019.

#### **4.11 CSOTF Study (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

#### **4.12 South Chickamauga Interceptor Improvements – Phase 1 (completed)**

This project has been completed. See Annual Work Progress Report No. 14 submitted February 02, 2021.

#### **4.13 Focused SSES and Rehabilitation-South Chickamauga Creek 1 – Phase 2 (completed)**

This project has been completed. See Annual Work Progress Report No. 15 submitted February 2, 2022.

#### **4.14 Critical Pump Station Improvements Master Plan (completed)**

This study has been completed. See Annual Work Progress Report No. 15 submitted February 2, 2022.

## **4.15 Lupton Drive Chronic SSO Elimination Project (completed)**

This project has been completed. See Annual Work Progress Report No. 15 submitted February 2, 2022.

## **4.16 Brainerd Golf Course Pump Station Safety Upgrade**

This project involves making improvements to the East Brainerd Golf Course Pump Station., including the replacement and upgrade of the pump station and force main and relocating it to a manageable area off of the golf course. Additionally, approximately 1,400 linear feet of 8-inch gravity sewer will be installed. The upgrades will allow the station to increase its capacity, performance and reliability and help to reduce sanitary sewer overflows in the area. The NTP for professional services was issued in September 2017 and TDEC approval was received on February 13, 2019. This project was bundled with the PS Improvements – Hixson 2 (section 4.17), the Selected Pump Station Safety Upgrades (section 4.41), and the Central Avenue Sewer Improvements (section 4.44) projects, and will be bid, and constructed as one construction contract. The construction started in the second half of 2023 and is expected to be completed in the second half of 2025.

## **4.17 Pump Station Improvements – Hixson 2**

This project involves improvements associated with converting the Hixson PS 2 from a canned station to a submersible station. A few of the main components of the project include upsizing the capacity to 13 MGD and replacing the force main. The upgrades will provide the station with better accessibility and allow the station to increase its capacity, performance and reliability, helping reduce sanitary sewer overflows in the area. The NTP for professional services was issued in January 2020. The final design was completed in August 2021. This project was bundled with the Brainerd Golf Course PS Safety Upgrade (section 4.16), the Selected Pump Station Safety Upgrades (section 4.41), and the Central Avenue Sewer Improvements (section 4.44) projects, and will be bid, and constructed as one construction contract. The construction started in the second half of 2023 and is expected to be completed in the second half of 2025.

## **4.18 Wet Weather Combined Sewer Storage – Phase 1, 2 & 3 (completed)**

This project will construct Phase 1, 2 & 3 of wet weather storage system at the Hamm Rd site, which will store peak wet weather flows, reduce flows to the West Bank Overflow, and meet the future capacity needs of the area. The NTP for professional services was issued in November 2017. The construction began in the first half of 2021 and was completed in September 2023.

## **4.19 CSOTF Improvements – Phase 1**

This project stemmed from the CSO Treatment Facility (“CSOTF”) Optimization Plan, which was a three-phased approach to maximizing the use of storage and treatment in 7 CSOTFs within the City’s sewer system. This project implements the first phase and included upgrades to manual controls and addition of equipment for automation and remote control of the CSOTFs. The NTP

for professional services was issued on November 16, 2018. This project, the CSOTF Equipment Replacement Program (in section 4.20), and the LTCP – AOP Implementation (see section 3.5.2) projects were bundled together, bid, and are being constructed as one construction contract. The NTP for professional services was issued in November 2018. The design was completed in the first half of 2021 and the construction was completed in September 2023.

## **4.20 CSOTF Equipment Replacement Program**

This project involves the replacement of the fine screens at both the Central Avenue and Citico CSOTFs. The existing fine screens are reaching the end of their useful service life and need replacement. This project, the CSOTF Improvements Phase 1 (in section 4.19), and the LTCP – AOP Implementation (in section 3.5.2) projects were bundled, bid, and are being constructed as one construction contract. The NTP for professional services was issued in January 2020. The construction started in November 2021 and is anticipated to be completed in the first half of 2024.

## **4.21 Dobbs Branch Basin Improvements – Phase 1**

This project involves the rehabilitation of up to 100,000 LF of 8-inch to 24-inch sanitary sewers in the Dobbs Branch sub-basins 3 and 4. The project began with the development of construction documents that provided for the rehabilitation for certain sewer segments and associated manholes. Pipeline rehabilitation methods will include cured-in-place-pipe (“CIPP”), point repairs, pipe bursting, and/or open cut replacement. The design also includes the rehabilitation of up to 400 manholes within the sewer basin through the installation of a watertight spray-on liner. A smoke testing investigation of the 138,000 LF basin will be performed to identify illicit connections. Tabulated and ranked data will be provided to the City for execution outside the contract. The NTP for professional services was issued in September 2018. The design was completed in October 2019. The construction began in the first half of 2020 and is expected to be completed in the first half of 2024.

## **4.22 Dobbs Branch Basin Improvements – Phase 2**

This project involves the rehabilitation of up to 100,000 LF of 8-inch to 24-inch sanitary sewers in the Dobbs Branch sub-basins 5 and 6. The project began with developing construction that provided for the rehabilitation for certain sewer segments and associated manholes. Pipeline rehabilitation methods will include CIPP, point repairs, pipe bursting, and/or open cut replacement. The design also includes the rehabilitation of up to 400 manholes within the sewer basin through the installation of a watertight spray-on liner. A smoke testing investigation of the 137,000 LF basin will be performed to identify illicit connections. Tabulated and ranked data will be provided to the City for execution outside the contract. The NTP for professional services was issued in November 2018. The design was completed in October 2019, and the construction is expected to be completed in the first half of 2024.

## **4.23 Wet Weather Storage Phase 4 – South Chickamauga Pump Station**

This project will construct 10 MG of wet weather storage near the South Chickamauga PS located off of N. Hawthorne St. The project will store peak wet weather flows, reduce the risk of SSOs,

and aid in meeting future capacity requirements. The project will also increase reliability in the event of power or mechanical failures. The NTP for professional services was issued in February 2019. The design was completed in September 2022. This project is now currently on hold.

#### **4.24 Citico Pump Station Improvements**

This project involves capital improvements to the Citico PS, including the following upgrades and improvements: (1) New motor control center (“MCC”), (2) New pumps, motors, and drives, (3) The wet well cleaned and coated, (4) Replace 72-inch slide gate and three open channel slide gates, (5) Additional security, structural and electrical upgrades. These improvements are designed to improve the capacity, performance, and reliability of the station, as well as reduce the risk of SSOs in the area. The NTP for professional services was issued in October of 2019. The design was completed in November 2021, and the construction started in the second half of 2022 and is expected to be completed in the second half of 2024.

#### **4.25 Riverview Park/CGCC Chronic SSO Elimination Project**

This project involves the rehabilitation or upsizing of sanitary sewer pipe and associated manholes located in the Riverview Park and Chattanooga Golf and Country Club area. The project involves rehabilitating or replacing the manholes and gravity sewer segments (8-inch to 15-inch diameter) immediately upstream and downstream of this location. The NTP for professional services was issued in November 2019. The bid process was completed in February 2021. Most of the construction has been completed; due to the golf course schedule, the construction was delayed and is expected to be completed in the first half of 2024. This project is now currently on hold.

#### **4.26 South Chick Creek 2, 3, & 4 Interceptor Rehab**

This project involves the evaluation and rehabilitation of approximately 7,850 LF of gravity interceptor pipeline and 16 associated manholes in the South Chickamauga Creek sub-basins 3 and 4. The pipeline rehabilitation will consist of the 72-inch Friar Branch Interceptor from the first manhole downstream of Friars Branch PS, downstream to the junction box on the 84-inch diameter interceptor. The NTP for professional services was issued in July 2019. Additional to the project, the rehabilitation includes 27 manholes and the junction chamber structure, and repair aging sewer infrastructure. The new NTP for professional services was issued in January 2019. The design was completed in October 2021. The construction started in the first half of 2022 and is anticipated to be completed in the first half of 2024.

#### **4.27 Tiftonia Pump Station 1 Safety Upgrade**

This project involves improvements associated with converting Tiftonia PS 1 from a “canned” station to a submersible station. The upgrades will provide the station with better accessibility and allow the station to increase its capacity, performance and reliability, helping reduce SSOs in the area. This project is now currently on hold.

#### **4.28 ISS Capacity Improvements – Creekside Preserve**

This project includes a SSES on approximately 700 linear feet of pipe to identify areas to reduce I/I and the design and construction of a new submersible grinder PS. The NTP for professional



services was issued in January 2020, and the design was completed in the second half of 2022. This project was bundled with the Big Ridge #5 Pump Station Improvements (section 4.36) project, and will be bid, and constructed as one construction contract. The construction is anticipated to start in the first half of 2024 and be completed in the first half of 2025.

### **4.29 Wet Weather Storage Phase 6 – Hixson Pump Station 1**

This project will construct 5 MG of wet weather storage near the Hixson 1 PS and will store peak wet weather flows to meet the future capacity requirements. The NTP for professional services was issued in December 2019, and the design was completed in the first half of 2023. The construction began in the second half of 2023 and is expected to be completed in the second half of 2025.

### **4.30 Tiftonia Pump Station 2 Safety Upgrade**

This project includes converting the Tiftonia 2 PS from a “canned” PS to a submersible PS as well as the assessment of the sewer force main for rehabilitation or replacement. This project was previously bundled with the ISS Capacity Improvements – Creekside Preserve (section 4.28) and the Big Ridge #5 Pump Station Improvements (section 4.36) projects. This project will likely be bundled with Winterview PS and Basin Improvements (section 4.44) and Tiftonia PS #3 Improvements (section 4.45), and will be bid, and constructed as one construction contract. The construction is anticipated to start in the first half of 2024 and be completed in the first half of 2026.

### **4.31 MBWWTP SCADA Master Plan – Phase 1 - 3**

This project involves the development of the initial phase of a comprehensive SCADA System 5-year Master Plan for the City of Chattanooga Waste Resources Division. The Engineer will prepare a report which compiles all findings, analyses, SOP's, and other recommendations to provide SCADA and Operational Technology planning for the City's wastewater and collections systems. The NTP for professional services was issued in December 2019. Phases 1 and 2 of the project have been completed. This project is currently on-hold to allow the City to select their preferred sets of standards for implementation in Phase 3.

### **4.32 MBWWTP Improvements – Centrifuge Upgrades (completed)**

This project includes the preliminary design for the installation of one existing, pre-purchased centrifuge which is located between Centrifuge Building 1 & 2 at the MBWWTP. The NTP for professional services was issued in June 2020. The design was complete in March 2022 and the construction was completed in January 2023.

### **4.33 Citico Force Main Rehabilitation**

This project includes construction scope to replace the 30” force main exiting the Citico PS, located on the south side of the Tennessee River near Citico Creek along Riverside Drive. The force main is approximately 1,600 linear feet spanning the Tennessee River to discharge into a manhole on the north side of the river located on Constitution Drive. Replacement involves

installing a new 48-inch diameter force main pipe across the river using cut and cover construction methods. The planning phase is estimated to be completed in the first half of 2024, and the design is expected to be finalized in the second half of 2024.

### **4.34 Mountain Creek Pump Station Improvements (completed)**

This project has been completed. See Annual Work Progress Report No. 16 submitted January 31, 2023.

### **4.35 Big Ridge #5 Pump Station Improvements**

This project includes improvements to the Big Ridge (“BR”) #5 PS. The improvements include a new PS. The NTP for professional services was issued in March 2021. The design was completed in the first half of 2023. This project was bundled with the ISS Capacity Improvements – Creekside Preserve (section 4.28) project, and will be bid, and constructed as one construction contract. The construction is anticipated to start in the first half of 2024 and be completed in the first half of 2025.

### **4.36 Big Ridge #2 Pump Station Improvements**

This project includes improvements to the Big Ridge #2 PS. The control panels show signs of H<sub>2</sub>S corrosion and are an early candidate for replacement. After replacement, consideration should be given to relocating the electrical equipment rack and canopy as the rack is too close to the wet well, which is non-compliant with NFPA 820. Other upgrades include the installation of bypass pump connection on force main, new pumps, VFDs and discharge piping, the repair of spalled concrete at effluent pipe penetration in wet well and improving the support for PVC conduit hanging into wet well. The NTP for professional services was issued in January 2022. The project’s scope was revised in the second half of 2023 to address deficiency in PS capacity. The planning phase is expected to be completed in the first half of 2024, and the design is expected to be finalized in the second half of 2024.

### **4.37 Highland Park Pump Station Improvements**

This project includes improvements to the Highland Park wet weather PS. These include the full rehabilitation of the PS, replacement of pumps with VFDs, replacement of all electrical and MCC, new discharge piping, new safety grating, and wet well lining. The NTP for professional services was issued in January 2022. The design was completed in the second half of 2023. The construction is anticipated to start in the first half of 2024.

### **4.38 Lookout Creek Sewer Basin Master Plan (completed)**

This project has been completed. See Annual Work Progress Report No. 16 submitted January 31, 2023.

### **4.39 MBWWTP Wet Weather Response Team (completed)**

This project has been completed. See Annual Work Progress Report No. 16 submitted January 31, 2023.

## 4.40 Selected Pump Station Safety Upgrades

This project will involve the evaluation, design and construction of PSs located at Murray Hills #5, off Webb Road and Brainerd Manor located off Moore Road, near the airport. The existing stations are “can” stations. The NTP for professional services was issued in July 2018. The design was completed in the first half of 2022. This project was bundled with the Brainerd Golf Course PS Safety Upgrade (section 4.16), the Pump Station Improvements – Hixson 2 (section 4.17), and the Central Avenue Sewer Improvements (section 4.44) projects, and will be bid, and constructed as one construction contract. The construction began in the second half of 2023 and is expected to be completed in the second half of 2025.

## 4.41 23<sup>rd</sup> Street Pump Station Improvements

This project includes making capital improvements to the 23rd Street PS within the screening room, dry well, wet well, and electrical room. The NTP for professional services was issued in March 2021. The design is being finalized to include the completed 23<sup>rd</sup> St. Bypass vault design and bid these together. The construction is anticipated to start in the second half of 2024.

## 4.42 Influent Pump Station Improvements (IPS Screen Bypass)

This project includes the addition of a bypass system to allow for flow through the Influent Pump Station (“IPS”) and to the MBEC process during blinding conditions of the IPS screen, as well as the replacement of the bar screens. The NTP for professional services was issued in May 2021. The design was completed in the second half of 2023, and the construction is anticipated to start in the first half of 2024.

## 4.43 Central Avenue Sewer Improvements (Prev. Lupton City Sewer Rehab)

The purpose of this project is to abandon a damaged 18" sewer line between manholes S167C067 and S167C068 that crosses the Southern Cellulose facility at Central Avenue and East 42nd Street through the installation of a small PS. The NTP for professional services was issued in June 2020. The design was completed in September 2022. This project was bundled with the Brainerd Golf Course PS Safety Upgrade (section 4.16), the PS Improvements – Hixson 2 (section 4.17), and the Selected Pump Station Safety Upgrades (section 4.40) projects, and will be bid, and constructed as one construction contract. The construction began in the second half of 2023 and is expected to be completed in the first half of 2026.

## 4.44 Winterview Pump Station and Basin Improvements

This project includes upgrades to the Winterview PS. The NTP for professional services was issued in January 2022. The design began in December 2022. The project will likely be bundled with Tiftonia PS #2 Improvements (section 4.30) and Tiftonia PS #3 Improvements (section 4.45), and will be bid, and constructed as one construction contract. The design has been finalized. The project is currently on hold to be part of this bundle.

### **4.45 Tiftonia Pump Station #3 Improvements**

This project involves improvements to the Tiftonia #3 PS to include a replacement pump station with submersible pumps, potential capacity upgrade, control panel with associated electrical, SCADA, wet well, and valving. The existing station will be demolished, and the existing gravity flow will be routed to the new station. The NTP for professional services was issued in October 2022. The design is estimated to begin in the first half of 2023 and be completed in the second half of 2023. The project will likely be bundled with Tiftonia PS #2 Improvements (section 4.30) and Winterview PS and Basin Improvements (section 4.44), and will be bid, and constructed as one construction contract. Construction is expected to begin in the first half of 2024.

### **4.46 South Chickamauga Pump Station Improvements**

This project involves improvements to the South Chick Creek Pump Station that will include are new pumps, motors, controls, electrical, SCADA, rake bar, sluice gates, air scrubber, and HVAC. The NTP for professional services was issued in November 2022. The planning started in January 2023. The construction is anticipated to start in the first half of 2025.

### **4.47 Green Infrastructure – Lincoln Park**

This project includes improvements to water quality control measures for roadways and landscaping, such as bioswales, green pavers, vegetation, a “green” or living wall as a noise barrier for the railyard. This project is currently on hold.

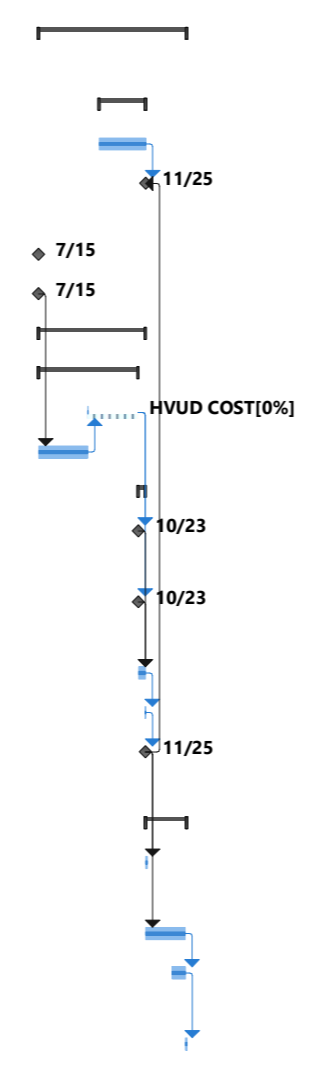
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# Appendix A

## Project Schedules Gantt Chart

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ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1	Mod		<b>CLEAR CHATTANOOGA CD PROGRAM - 7/3/2008</b>	8651 days	Wed 11/26/08	Fri 8/13/32																								
2			<b>1. CONSENT DECREE REQUIRED PROJECTS</b>	8651 days	Wed 11/26/08	Fri 8/13/32																								
3	✓		SECTION II - APPLICABILITY	30 days	Wed 4/24/13	Fri 5/24/13																								
7	✓		SECTION V - REVIEW OF DELIVERABLES/CERTIFICATION OF DELIVERABLES	169 days	Wed 4/24/13	Thu 10/10/13																								
11	✓		SECTION VI - COMPLIANCE REQUIREMENTS	8651 days	Wed 11/26/08	Fri 8/13/32																								
12	✓		Paragraph 19 - Community Input	215 days	Wed 4/24/13	Mon 11/25/13																								
18	✓		Paragraph 20 - Capacity, Management, Operations and Maintenance ("CMOM") Programs	2852 days	Wed 11/26/08	Wed 9/28/16																								
19	✓	W-12-008B	(a). Sewer Overflow Response Protocol ("SORP")	691 days	Sun 7/15/12	Thu 6/5/14																								
20	✓		Consent Decree Duration (7 Months)	216 days	Wed 4/24/13	Mon 11/25/13																								
21	✓		Consent Decree Duration (7 Months)	215 days	Wed 4/24/13	Mon 11/25/13																								
22	✓		Consent Decree Duration Completion Milestone	0 days	Mon 11/25/13	Mon 11/25/13																								
23	✓		Project Procurement	0 days	Sun 7/15/12	Sun 7/15/12																								
24	✓		PM Procurement	0 days	Sun 7/15/12	Sun 7/15/12																								
25	✓		Project Execution	498 days	Sun 7/15/12	Mon 11/25/13																								
26	✓		Planning Phase	464 days	Sun 7/15/12	Mon 10/21/13																								
27	✓		Planning Phase	235 days	Thu 2/28/13	Mon 10/21/13																								
28	✓		Adminstration Period	229 days	Sun 7/15/12	Thu 2/28/13																								
29	✓		Public Document Repository	33 days	Wed 10/23/13	Mon 11/25/13																								
30	✓		Submit Draft Deliverable to Reference Librarian	0 days	Wed 10/23/13	Wed 10/23/13																								
31	✓		Post Copy of Draft Deliverable on City's Website	0 days	Wed 10/23/13	Wed 10/23/13																								
32	✓		Public Review Period	31 days	Thu 10/24/13	Sun 11/24/13																								
33	✓		Public Comment Review Period	2 days	Sat 11/23/13	Mon 11/25/13																								
34	✓		Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0 days	Mon 11/25/13	Mon 11/25/13																								
35	✓		EPA and TDEC Approvals	192 days	Tue 11/26/13	Thu 6/5/14																								
36	✓		Place Copy of EPA and TDEC Submittal in PDR	8 days	Tue 11/26/13	Wed 12/4/13																								
37	✓		EPA / TDEC Review	183 days	Tue 11/26/13	Wed 5/28/14																								
38	✓		Address Comments for Final EPA / TDEC Approval	62 days	Sat 3/29/14	Thu 5/29/14																								
39	✓		Submit Copy of Approved Deliverable in the PDR	7 days	Fri 5/30/14	Thu 6/5/14																								
40	✓	W-12-013	(b). Emergency Response Plan	1153 days	Thu 10/18/12	Mon 12/14/15																								
41	✓		Consent Decree Duration (19 Months)	580 days	Wed 4/24/13	Mon 11/24/14																								
42	✓		Consent Decree Duration (19 Months)	580 days	Wed 4/24/13	Mon 11/24/14																								
43	✓		Consent Decree Duration Completion Milestone	0 days	Mon 11/24/14	Mon 11/24/14																								
44	✓		Project Procurement	45 days	Thu 10/18/12	Sat 12/1/12																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		Progress	
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress		Progress	



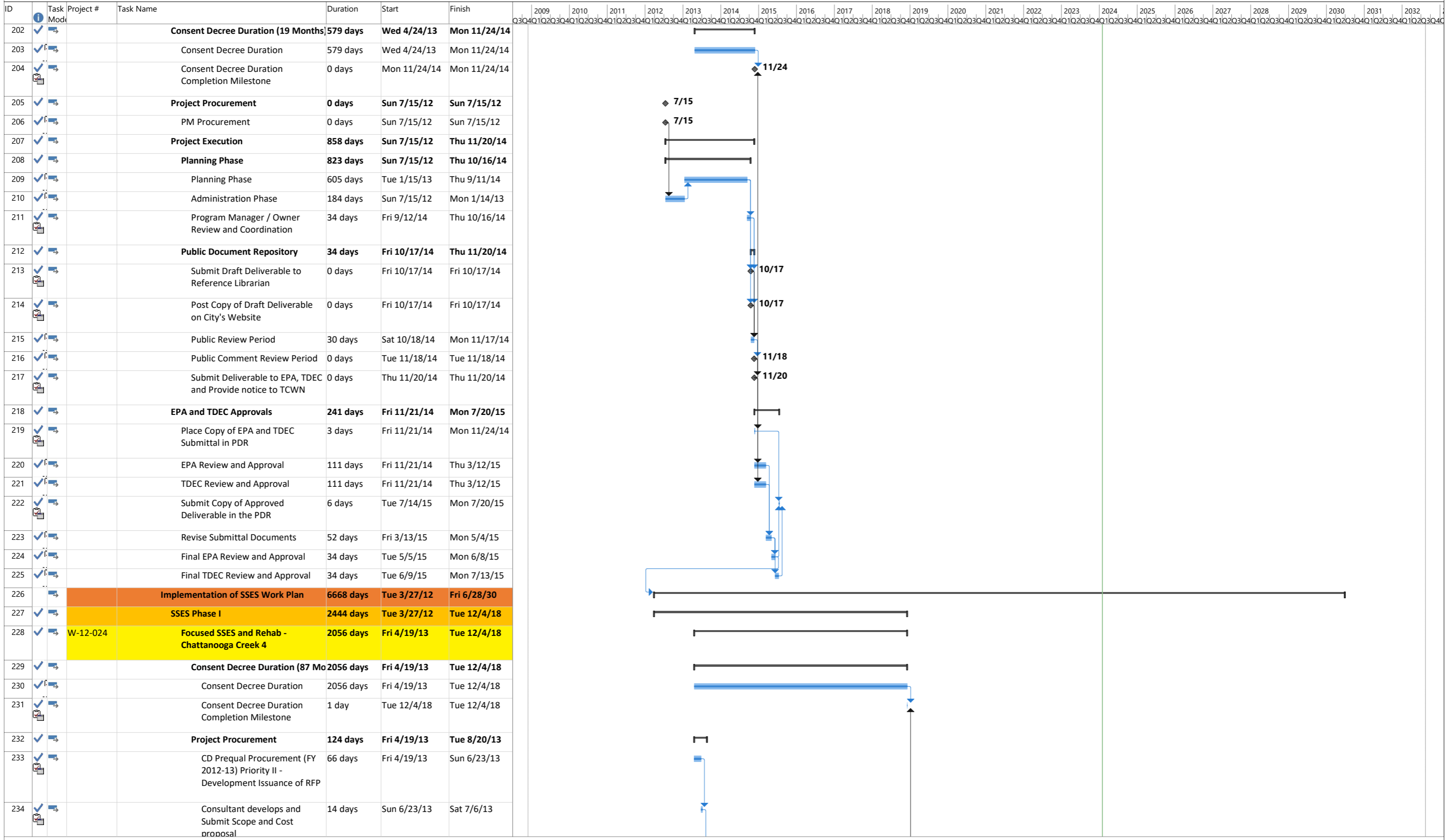




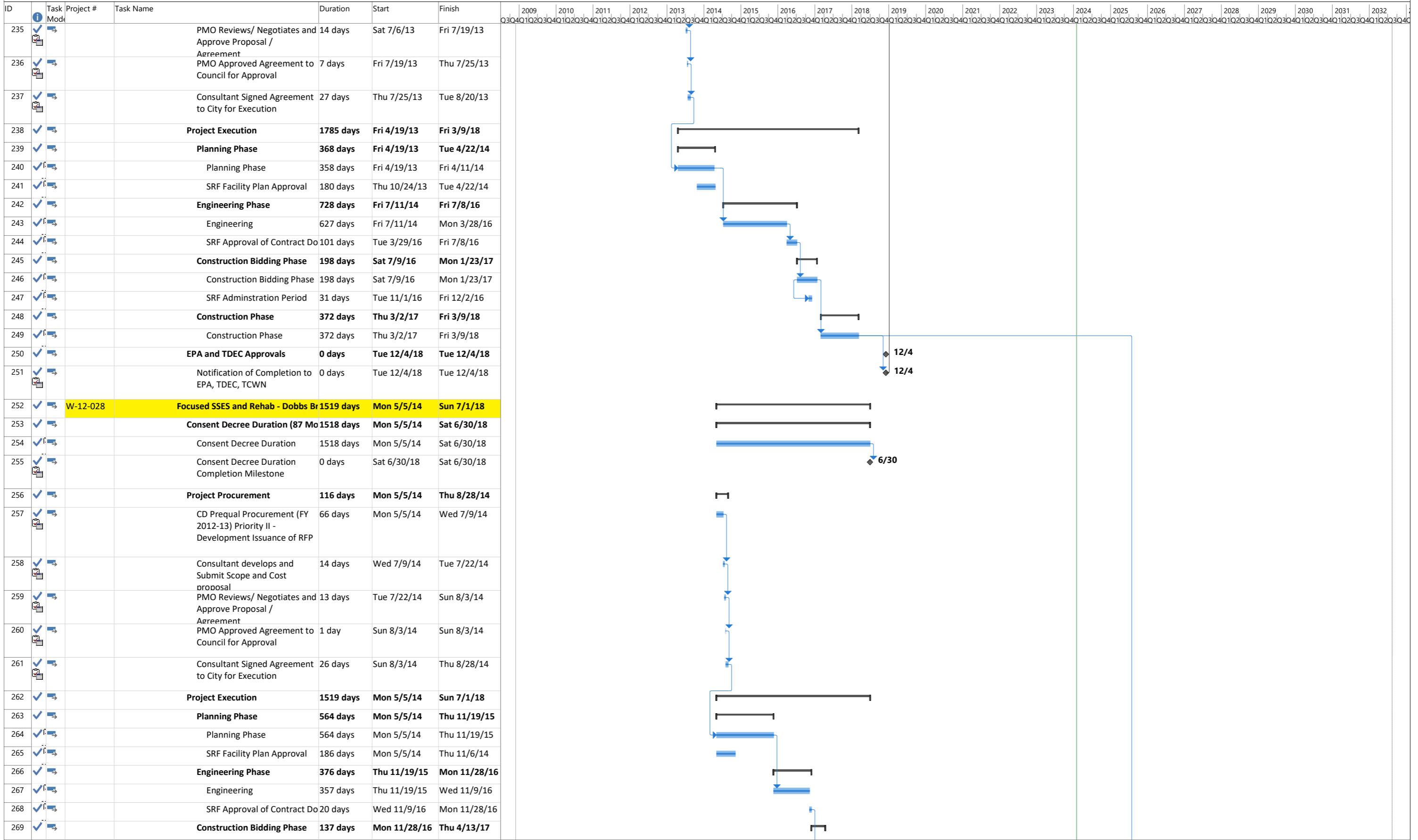








Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress		







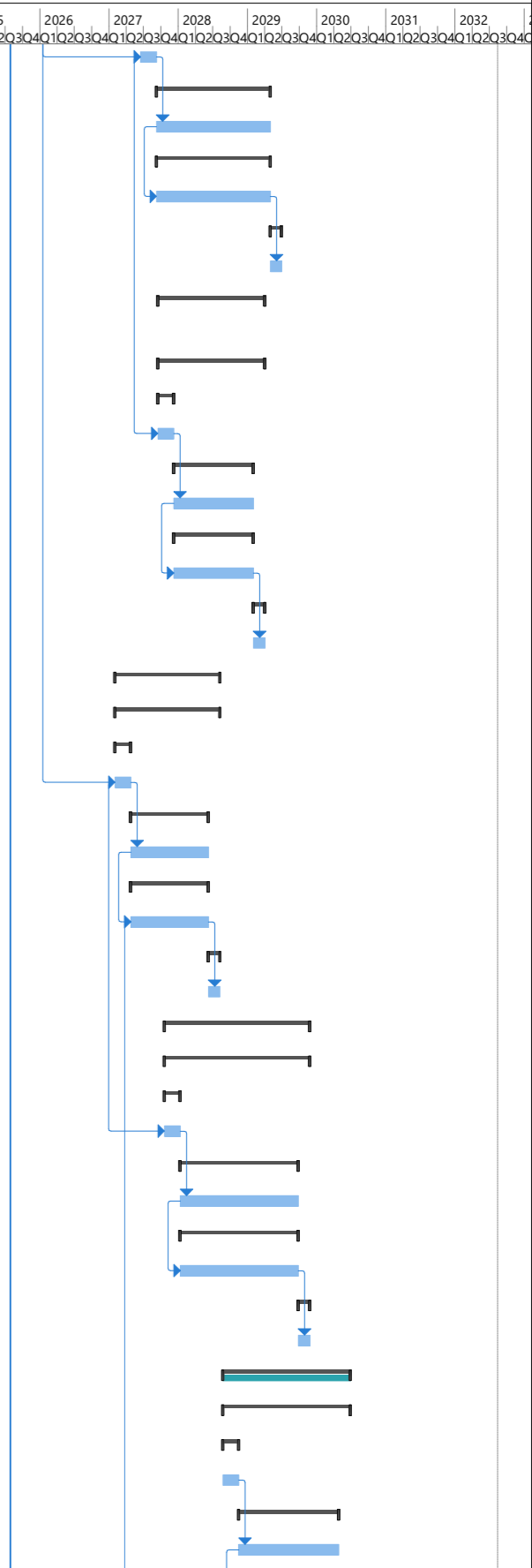








ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
467	Mod		Planning Phase	60 days	Wed 6/16/27	Wed 9/8/27																								
468			Engineering Phase	429 days	Wed 9/8/27	Tue 5/1/29																								
469			Engineering Phase	429 days	Wed 9/8/27	Tue 5/1/29																								
470			Construction Phase	429 days	Wed 9/8/27	Tue 5/1/29																								
471			Construction Phase	429 days	Wed 9/8/27	Tue 5/1/29																								
472			Project Close-out	43 days	Tue 5/1/29	Fri 6/29/29																								
473			Close-out	43 days	Tue 5/1/29	Fri 6/29/29																								
474			<b>Focused SSES and Rehab - Chattanooga Creek 1</b>	<b>404 days</b>	<b>Wed 9/15/27</b>	<b>Tue 4/3/29</b>																								
475			Project Execution	404 days	Wed 9/15/27	Tue 4/3/29																								
476			Planning Phase	60 days	Wed 9/15/27	Wed 12/8/27																								
477			Planning Phase	60 days	Wed 9/15/27	Wed 12/8/27																								
478			Engineering Phase	301 days	Wed 12/8/27	Thu 2/1/29																								
479			Engineering Phase	301 days	Wed 12/8/27	Thu 2/1/29																								
480			Construction Phase	301 days	Wed 12/8/27	Thu 2/1/29																								
481			Construction Phase	301 days	Wed 12/8/27	Thu 2/1/29																								
482			Project Close-out	43 days	Thu 2/1/29	Tue 4/3/29																								
483			Close-out	43 days	Thu 2/1/29	Tue 4/3/29																								
484			<b>Focused SSES and Rehab - Citico Cr</b>	<b>396 days</b>	<b>Mon 2/1/27</b>	<b>Tue 8/8/28</b>																								
485			Project Execution	396 days	Mon 2/1/27	Tue 8/8/28																								
486			Planning Phase	60 days	Mon 2/1/27	Mon 4/26/27																								
487			Planning Phase	60 days	Mon 2/1/27	Mon 4/26/27																								
488			Engineering Phase	293 days	Mon 4/26/27	Thu 6/8/28																								
489			Engineering Phase	293 days	Mon 4/26/27	Thu 6/8/28																								
490			Construction Phase	293 days	Mon 4/26/27	Thu 6/8/28																								
491			Construction Phase	293 days	Mon 4/26/27	Thu 6/8/28																								
492			Project Close-out	43 days	Thu 6/8/28	Tue 8/8/28																								
493			Close-out	43 days	Thu 6/8/28	Tue 8/8/28																								
494			<b>Focused SSES and Rehab - South Ch</b>	<b>548 days</b>	<b>Wed 10/20/27</b>	<b>Mon 11/26/29</b>																								
495			Project Execution	548 days	Wed 10/20/27	Mon 11/26/29																								
496			Planning Phase	60 days	Wed 10/20/27	Wed 1/12/28																								
497			Planning Phase	60 days	Wed 10/20/27	Wed 1/12/28																								
498			Engineering Phase	445 days	Wed 1/12/28	Wed 9/26/29																								
499			Engineering Phase	445 days	Wed 1/12/28	Wed 9/26/29																								
500			Construction Phase	445 days	Wed 1/12/28	Wed 9/26/29																								
501			Construction Phase	445 days	Wed 1/12/28	Wed 9/26/29																								
502			Project Close-out	43 days	Wed 9/26/29	Mon 11/26/29																								
503			Close-out	43 days	Wed 9/26/29	Mon 11/26/29																								
504			<b>Focused SSES and Rehab - Citico Cr</b>	<b>482 days</b>	<b>Thu 8/24/28</b>	<b>Fri 6/28/30</b>																								
505			Project Execution	482 days	Thu 8/24/28	Fri 6/28/30																								
506			Planning Phase	60 days	Thu 8/24/28	Wed 11/15/28																								
507			Planning Phase	60 days	Thu 8/24/28	Wed 11/15/28																								
508			Engineering Phase	377 days	Thu 11/16/28	Fri 4/26/30																								
509			Engineering Phase	377 days	Thu 11/16/28	Fri 4/26/30																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
550	Mod		<b>Project Procurement</b>	<b>127 days</b>	<b>Wed 12/12/12</b>	<b>Thu 4/18/13</b>																								
551			CD Prequal Procurement (FY 2012-13) Priority II - Development Issuance of RFP	66 days	Wed 12/12/12	Fri 2/15/13																								
552			Consultant develops and Submit Scope and Cost proposal	13 days	Sat 2/16/13	Fri 3/1/13																								
553			PMO Reviews/ Negotiates and Approve Proposal / Agreement	13 days	Sat 3/2/13	Fri 3/15/13																								
554			PMO Approved Agreement to Council for Approval	6 days	Sat 3/16/13	Fri 3/22/13																								
555			Consultant Signed Agreement to City for Execution	26 days	Sat 3/23/13	Thu 4/18/13																								
556			<b>Project Execution</b>	<b>3837.95 days</b>	<b>Sun 2/10/13</b>	<b>Mon 8/14/23</b>																								
557			<b>Planning Phase</b>	<b>765 days</b>	<b>Sun 2/10/13</b>	<b>Mon 3/16/15</b>																								
558			Planning Phase	690 days	Sun 2/10/13	Thu 1/1/15																								
559			SRF Facility Plan Approval	74 days	Fri 1/2/15	Mon 3/16/15																								
560			<b>Engineering Phase</b>	<b>609 days</b>	<b>Wed 4/2/14</b>	<b>Wed 12/2/15</b>																								
561			Engineering	508 days	Wed 4/2/14	Sun 8/23/15																								
562			SRF Approval of Contract Docu	100 days	Mon 8/24/15	Wed 12/2/15																								
563			<b>Construction Bidding Phase</b>	<b>162 days</b>	<b>Fri 5/5/17</b>	<b>Fri 10/13/17</b>																								
564			Construction Bidding Phase	162 days	Fri 5/5/17	Fri 10/13/17																								
565			SRF Administration Period	162 days	Fri 5/5/17	Fri 10/13/17																								
566			<b>Construction Phase</b>	<b>986.95 days</b>	<b>Tue 12/1/20</b>	<b>Mon 8/14/23</b>																								
567			Construction Phase	986.95 days	Tue 12/1/20	Mon 8/14/23																								
568			<b>EPA and TDEC Approvals</b>	<b>0 days</b>	<b>Tue 7/31/18</b>	<b>Tue 7/31/18</b>																								
569			Notification of Completion to EPA, TDEC, TCWN	0 days	Tue 7/31/18	Tue 7/31/18																								
570		W-12-026	<b>DuPont PS and Basin Improvements - Phase 2</b>	<b>3934 days</b>	<b>Wed 4/24/13</b>	<b>Wed 1/31/24</b>																								
571			<b>Consent Decree Duration (60 Mont</b>	<b>1827 days</b>	<b>Wed 4/24/13</b>	<b>Tue 4/24/18</b>																								
572			Consent Decree Duration	1826 days	Wed 4/24/13	Tue 4/24/18																								
573			Consent Decree Duration Completion Milestone	1 day	Tue 4/24/18	Tue 4/24/18																								
574			<b>Project Procurement</b>	<b>59 days</b>	<b>Sat 4/25/15</b>	<b>Tue 6/23/15</b>																								
575			CD Prequal Procurement (FY 2014-15) - Development Issuance of RFP	6 days	Sat 4/25/15	Fri 5/1/15																								
576			Consultant develops and Submit Scope and Cost proposal	7 days	Sat 5/2/15	Sat 5/9/15																								
577			PMO Reviews/ Negotiates and Approve Proposal / Agreement	6 days	Sun 5/10/15	Sat 5/16/15																								
578			PMO Approved Agreement to Council for Approval	22 days	Sun 5/17/15	Mon 6/8/15																								
579			Consultant Signed Agreement to City for Execution	14 days	Tue 6/9/15	Tue 6/23/15																								
580			<b>Project Execution</b>	<b>2042 days</b>	<b>Mon 12/18/17</b>	<b>Fri 7/21/23</b>																								
581			<b>Planning Phase</b>	<b>128 days</b>	<b>Mon 12/18/17</b>	<b>Wed 4/25/18</b>																								
582			Planning Phase	128 days	Mon 12/18/17	Wed 4/25/18																								

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			













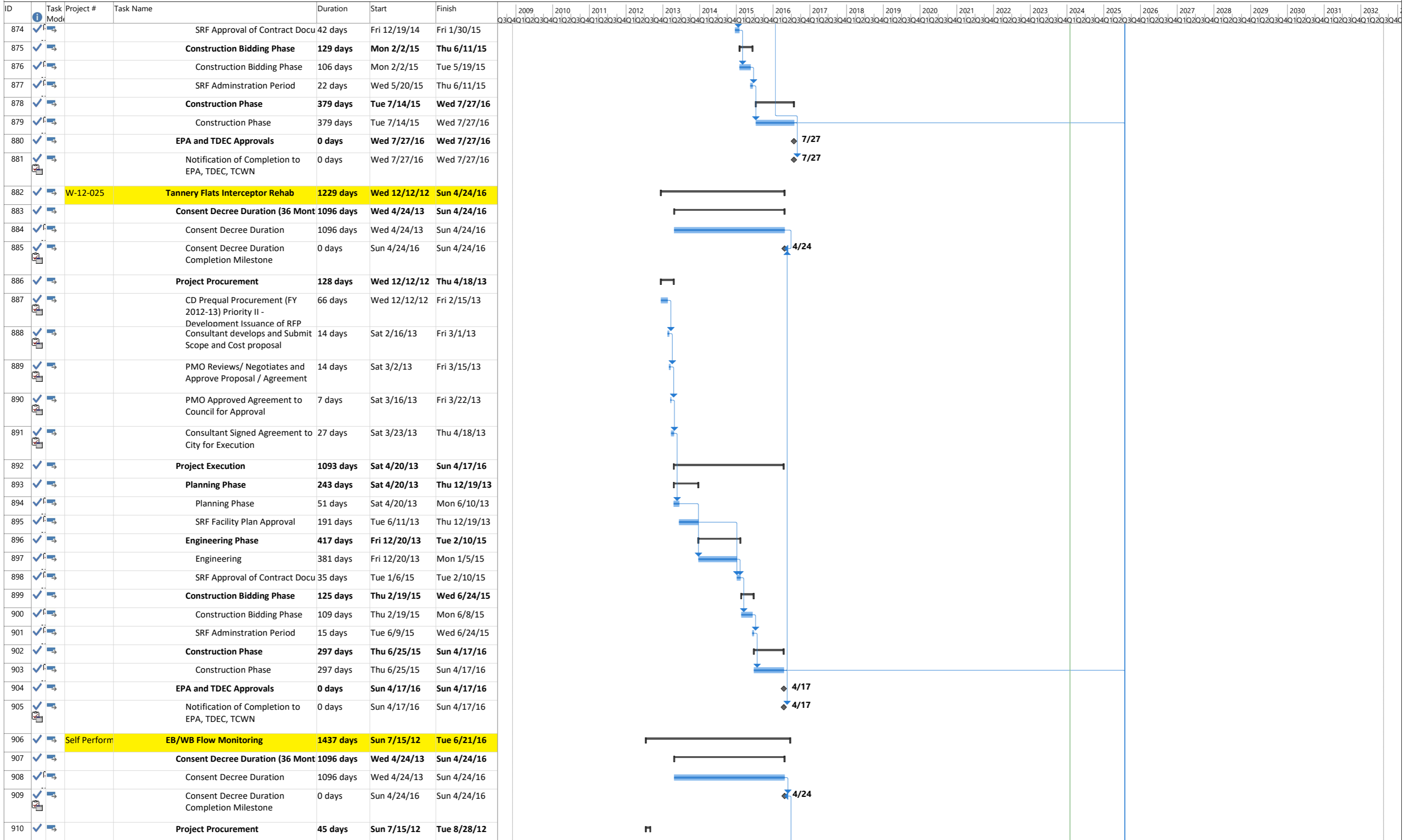












Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		Progress	
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			

ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
911	PM Procurement		PM Procurement	45 days	Sun 7/15/12	Tue 8/28/12																								
912	Project Execution		Project Execution	1339 days	Sat 10/20/12	Mon 6/20/16																								
913	Planning Phase		Planning Phase	177 days	Sat 10/20/12	Mon 4/15/13																								
914	Planning Phase		Planning Phase	177 days	Sat 10/20/12	Mon 4/15/13																								
915	SRF Facility Plan Approval		SRF Facility Plan Approval	0 days	Sat 10/20/12	Sat 10/20/12																								
916	Engineering Phase		Engineering Phase	574 days	Tue 4/16/13	Tue 11/11/14																								
917	Flow Monitoring by West Bank Flow Meter		Flow Monitoring by West Bank Flow Meter	271 days	Tue 4/16/13	Sat 1/11/14																								
918	SRF Approval of Contract Docu		SRF Approval of Contract Docu	0 days	Tue 4/16/13	Tue 4/16/13																								
919	Flow Monitoring by New Outfall Flow Meter		Flow Monitoring by New Outfall Flow Meter	574 days	Tue 4/16/13	Tue 11/11/14																								
920	Construction Bidding Phase		Construction Bidding Phase	0 days	Tue 11/11/14	Tue 11/11/14																								
921	Construction Bidding Phase		Construction Bidding Phase	0 days	Tue 11/11/14	Tue 11/11/14																								
922	SRF Administration Period		SRF Administration Period	0 days	Tue 11/11/14	Tue 11/11/14																								
923	Construction Phase		Construction Phase	833 days	Sun 1/12/14	Sun 4/24/16																								
924	Construction Phase		Construction Phase	833 days	Sun 1/12/14	Sun 4/24/16																								
925	Project Completion Report		Project Completion Report	56 days	Mon 4/25/16	Mon 6/20/16																								
926	Project Completion Report		Project Completion Report	56 days	Mon 4/25/16	Mon 6/20/16																								
927	EPA and TDEC Approvals		EPA and TDEC Approvals	0 days	Tue 6/21/16	Tue 6/21/16																								
928	Notification of Completion to EPA, TDEC, TCWN		Notification of Completion to EPA, TDEC, TCWN	0 days	Tue 6/21/16	Tue 6/21/16																								
929	W-20-001	e2i2 SSO Abatement Program	e2i2 SSO Abatement Program	1840 days	Tue 10/26/21	Sun 11/8/26																								
930		Administration	Administration	438 days	Tue 12/14/21	Fri 2/24/23																								
931		City-IDB MoU	City-IDB MoU	112 days	Tue 12/14/21	Mon 4/4/22																								
939		e2i2 Agreement	e2i2 Agreement	410 days	Tue 1/11/22	Fri 2/24/23																								
944		WIFIA Project Funding	WIFIA Project Funding	393 days	Tue 10/26/21	Tue 11/22/22																								
951		City and IDB Admin and Accounting	City and IDB Admin and Accounting	90 days	Wed 11/23/22	Mon 2/20/23																								
952		Phase 1 - W. Chick EQ and South Lee Hwy EQ	Phase 1 - W. Chick EQ and South Lee Hwy EQ	1742 days	Tue 2/1/22	Sun 11/8/26																								
953		Preliminary Engineering	Preliminary Engineering	270 days	Tue 2/1/22	Fri 10/28/22																								
954		Project Phase Recommendations from City/HCWWT	Project Phase Recommendations from City/HCWWT	95 days	Tue 2/1/22	Fri 5/6/22																								
955		Feasibility Analysis Report	Feasibility Analysis Report	146 days	Sat 5/7/22	Thu 9/29/22																								
956		Preliminary Engineering Report	Preliminary Engineering Report	29 days	Fri 9/30/22	Fri 10/28/22																								
957		Design-Build Procurement Docu	Design-Build Procurement Docu	185 days	Sat 5/7/22	Mon 11/7/22																								
958		Progressive Design-Build RFP	Progressive Design-Build RFP	123 days	Sat 5/7/22	Tue 9/6/22																								
959		Draft RFP	Draft RFP	88 days	Sat 5/7/22	Tue 8/2/22																								
960		RFP Review and Approval - WD and City Engineering	RFP Review and Approval - WD and City Engineering	14 days	Wed 8/3/22	Tue 8/16/22																								
961		RFP Review and Approval - City Purchasing, Finance, Legal, and IDB	RFP Review and Approval - City Purchasing, Finance, Legal, and IDB	21 days	Wed 8/17/22	Tue 9/6/22																								
962		Progressive Design-Build Agree	Progressive Design-Build Agree	90 days	Wed 8/3/22	Mon 10/31/22																								
963		Draft Design-Build Agreeeme	Draft Design-Build Agreeeme	28 days	Wed 8/3/22	Tue 8/30/22																								
964		Agreement Review and Approval - WD and City Engineering	Agreement Review and Approval - WD and City Engineering	35 days	Wed 8/31/22	Tue 10/4/22																								

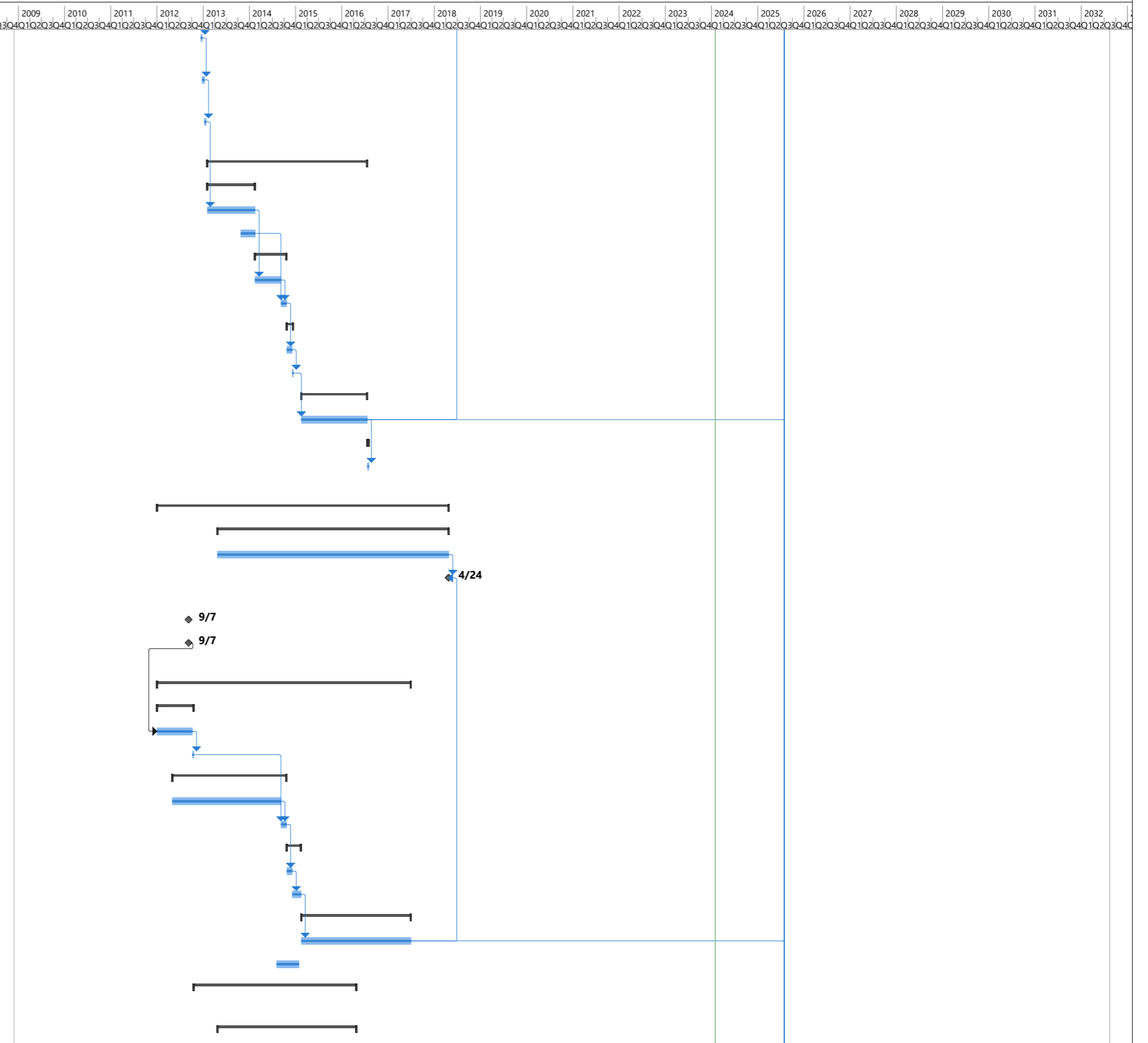
Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress		







ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1038	Mod		PMO Reviews/ Negotiates and Approve Proposal / Agreement	10 days	Wed 12/12/12	Fri 12/21/12																								
1039			PMO Approved Agreement to Council for Approval	18 days	Sat 12/22/12	Tue 1/8/13																								
1040			Consultant Signed Agreement to City for Execution	14 days	Wed 1/9/13	Tue 1/22/13																								
1041			<b>Project Execution</b>	<b>1264 days</b>	<b>Sat 2/2/13</b>	<b>Wed 7/20/16</b>																								
1042			<b>Planning Phase</b>	<b>376 days</b>	<b>Sat 2/2/13</b>	<b>Thu 2/13/14</b>																								
1043			Planning Phase	376 days	Sat 2/2/13	Thu 2/13/14																								
1044			SRF Facility Plan Approval	112 days	Thu 10/24/13	Thu 2/13/14																								
1045			<b>Engineering Phase</b>	<b>248 days</b>	<b>Fri 2/14/14</b>	<b>Mon 10/20/14</b>																								
1046			Engineering	203 days	Fri 2/14/14	Fri 9/5/14																								
1047			SRF Approval of Contract Docu	44 days	Sat 9/6/14	Mon 10/20/14																								
1048			<b>Construction Bidding Phase</b>	<b>50 days</b>	<b>Thu 10/23/14</b>	<b>Fri 12/12/14</b>																								
1049			Construction Bidding Phase	42 days	Thu 10/23/14	Thu 12/4/14																								
1050			SRF Administration Phase	7 days	Fri 12/5/14	Fri 12/12/14																								
1051			<b>Construction Phase</b>	<b>520 days</b>	<b>Mon 2/16/15</b>	<b>Wed 7/20/16</b>																								
1052			Construction Phase	520 days	Mon 2/16/15	Wed 7/20/16																								
1053			<b>EPA and TDEC Approvals</b>	<b>10 days</b>	<b>Thu 7/21/16</b>	<b>Sun 7/31/16</b>																								
1054			Notification of Completion to EPA, TDEC, TCWN	10 days	Thu 7/21/16	Sun 7/31/16																								
1055	W-11-012		<b>MBWWTP Bar and Fine Screen Replac</b>	<b>2305 days</b>	<b>Sun 1/1/12</b>	<b>Tue 4/24/18</b>																								
1056			<b>Consent Decree Duration (60 Mont</b>	<b>1826 days</b>	<b>Wed 4/24/13</b>	<b>Tue 4/24/18</b>																								
1057			Consent Decree Duration	1826 days	Wed 4/24/13	Tue 4/24/18																								
1058			Consent Decree Duration Completion Milestone	0 days	Tue 4/24/18	Tue 4/24/18																								
1059			<b>Project Procurement</b>	<b>0 days</b>	<b>Fri 9/7/12</b>	<b>Fri 9/7/12</b>																								
1060			Previously Procured Consent Decree Projects	0 days	Fri 9/7/12	Fri 9/7/12																								
1061			<b>Project Execution</b>	<b>2007 days</b>	<b>Sun 1/1/12</b>	<b>Fri 6/30/17</b>																								
1062			<b>Planning Phase</b>	<b>290 days</b>	<b>Sun 1/1/12</b>	<b>Wed 10/17/12</b>																								
1063			Planning Phase	280 days	Sun 1/1/12	Sun 10/7/12																								
1064			SRF Facility Plan Approval	9 days	Mon 10/8/12	Wed 10/17/12																								
1065			<b>Engineering Phase</b>	<b>902 days</b>	<b>Tue 5/1/12</b>	<b>Mon 10/20/14</b>																								
1066			Engineering	857 days	Tue 5/1/12	Fri 9/5/14																								
1067			SRF Approval of Contract Docu	44 days	Sat 9/6/14	Mon 10/20/14																								
1068			<b>Construction Bidding Phase</b>	<b>112 days</b>	<b>Thu 10/23/14</b>	<b>Thu 2/12/15</b>																								
1069			Construction Bidding Phase	42 days	Thu 10/23/14	Thu 12/4/14																								
1070			SRF Administration Phase	69 days	Fri 12/5/14	Thu 2/12/15																								
1071			<b>Construction Phase</b>	<b>865 days</b>	<b>Mon 2/16/15</b>	<b>Fri 6/30/17</b>																								
1072			Construction Phase	865 days	Mon 2/16/15	Fri 6/30/17																								
1073			EPA and TDEC Approvals	175 days	Mon 8/4/14	Sun 1/25/15																								
1074	W-11-007		<b>MBWWTP Effluent Disinfection System Upgrade</b>	<b>1285 days</b>	<b>Thu 10/18/12</b>	<b>Sun 4/24/16</b>																								
1075			<b>Consent Decree Duration (36 Mont</b>	<b>1097 days</b>	<b>Wed 4/24/13</b>	<b>Sun 4/24/16</b>																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			

















ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1298	Mod		Bid Due/Opening	1 day	Fri 3/9/29	Fri 3/9/29																								
1299			<b>Award/Negotiation Period</b>	<b>21 days</b>	<b>Sat 3/10/29</b>	<b>Fri 3/30/29</b>																								
1300			Award/Negotiation Period	20 days	Sat 3/10/29	Thu 3/29/29																								
1301			Pre-Construction Meeting	1 day	Fri 3/30/29	Fri 3/30/29																								
1302			<b>Construction Phase</b>	<b>903 days</b>	<b>Fri 3/30/29</b>	<b>Fri 9/19/31</b>																								
1303			NTP	0 days	Fri 3/30/29	Fri 3/30/29																								
1304			MBWWTP Wet weather Treatment - Construction	873 days	Sat 3/31/29	Wed 8/20/31																								
1305			Substantial Completion MBWWTP Wet weather Treatment - Construction Final Completion	30 days	Thu 8/21/31	Fri 9/19/31																								
1306			MBWWTP Wet weather Treatment Project Complete	0 days	Fri 9/19/31	Fri 9/19/31																								
1307			<b>Project Closeout</b>	<b>63 days</b>	<b>Fri 9/19/31</b>	<b>Thu 11/20/31</b>																								
1308			As-builts (Record Drawings) Sub	60 days	Fri 9/19/31	Mon 11/17/31																								
1309			Place into Service	1 day	Tue 11/18/31	Tue 11/18/31																								
1310			Warranty Date	1 day	Wed 11/19/31	Wed 11/19/31																								
1311			Project Closeout	1 day	Thu 11/20/31	Thu 11/20/31																								
1312	✓		<b>Paragraph 25 - Moccasin Bend WWTP Process Controls Program</b>	<b>937 days</b>	<b>Thu 10/18/12</b>	<b>Wed 5/13/15</b>																								
1313	✓	W-12-012	<b>MBWWTP Process Controls Program</b>	<b>937 days</b>	<b>Thu 10/18/12</b>	<b>Wed 5/13/15</b>																								
1314	✓		<b>Consent Decree Duration (19 Months)</b>	<b>579 days</b>	<b>Wed 4/24/13</b>	<b>Mon 11/24/14</b>																								
1315	✓		Consent Decree Duration	579 days	Wed 4/24/13	Mon 11/24/14																								
1316	✓		Consent Decree Duration Completion Milestone	0 days	Mon 11/24/14	Mon 11/24/14																								
1317	✓		<b>Project Procurement</b>	<b>52 days</b>	<b>Thu 10/18/12</b>	<b>Sat 12/8/12</b>																								
1318	✓		CD Prequal Procurement (FY 2012-13) Priority I - Development Issuance of RFP	0 days	Thu 10/18/12	Thu 10/18/12																								
1319	✓		Consultant develops and Submit Scope and Cost proposal	10 days	Thu 10/18/12	Sat 10/27/12																								
1320	✓		PMO Reviews/ Negotiates and Approve Proposal / Agreement	10 days	Sun 10/28/12	Tue 11/6/12																								
1321	✓		PMO Approved Agreement to Council for Approval	18 days	Wed 11/7/12	Sat 11/24/12																								
1322	✓		Consultant Signed Agreement to City for Execution	14 days	Sun 11/25/12	Sat 12/8/12																								
1323	✓		<b>Project Execution</b>	<b>568 days</b>	<b>Mon 4/29/13</b>	<b>Tue 11/18/14</b>																								
1324	✓		<b>Planning Phase</b>	<b>531 days</b>	<b>Mon 4/29/13</b>	<b>Sun 10/12/14</b>																								
1325	✓		Planning Phase	522 days	Mon 4/29/13	Fri 10/3/14																								
1326	✓		Program Manager / Owner Review and Coordination	8 days	Sat 10/4/14	Sun 10/12/14																								
1327	✓		<b>Public Document Repository</b>	<b>36 days</b>	<b>Mon 10/13/14</b>	<b>Tue 11/18/14</b>																								
1328	✓		Submit Draft Deliverable to Reference Librarian	0 days	Mon 10/13/14	Mon 10/13/14																								
1329	✓		Post Copy of Draft Deliverable on City's Website	3 days	Mon 10/13/14	Thu 10/16/14																								
1330	✓		Public Review Period	35 days	Mon 10/13/14	Mon 11/17/14																								

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress		









ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1461	Submit Deliverable to EPA and TDEC			0 days	Thu 4/27/17	Thu 4/27/17																								
1462	Place Copy of EPA and TDEC Submittal			0 days	Thu 4/27/17	Thu 4/27/17																								
1463	Develop Quarterly Report 16			30 days	Sat 7/1/17	Mon 7/31/17																								
1464	Submit Deliverable to EPA and TDEC			0 days	Mon 7/31/17	Mon 7/31/17																								
1465	Place Copy of EPA and TDEC Submittal			0 days	Mon 7/31/17	Mon 7/31/17																								
1466	Develop Quarterly Report 17			23 days	Sun 10/1/17	Tue 10/24/17																								
1467	Submit Deliverable to EPA and TDEC			0 days	Wed 10/25/17	Wed 10/25/17																								
1468	Place Copy of EPA and TDEC Submittal			0 days	Wed 10/25/17	Wed 10/25/17																								
1469	Develop Quarterly Report 18			27 days	Mon 1/1/18	Sun 1/28/18																								
1470	Submit Deliverable to EPA and TDEC			0 days	Mon 1/29/18	Mon 1/29/18																								
1471	Place Copy of EPA and TDEC Submittal			0 days	Mon 1/29/18	Mon 1/29/18																								
1472	Quarterly Report Period 15			89 days	Sun 1/1/17	Fri 3/31/17																								
1473	Quarterly Report Period 16			90 days	Sat 4/1/17	Fri 6/30/17																								
1474	Quarterly Report Period 17			91 days	Sat 7/1/17	Sat 9/30/17																								
1475	Quarterly Report Period 18			91 days	Sun 10/1/17	Sun 12/31/17																								
1476	W-12-008I		<b>Quarterly Report - 2018</b>	<b>394 days</b>	<b>Mon 1/1/18</b>	<b>Wed 1/30/19</b>																								
1477	Develop Quarterly Report 19			28 days	Sun 4/1/18	Sun 4/29/18																								
1478	Submit Deliverable to EPA and TDEC			0 days	Mon 4/30/18	Mon 4/30/18																								
1479	Place Copy of EPA and TDEC Submittal			0 days	Mon 4/30/18	Mon 4/30/18																								
1480	Develop Quarterly Report 20			28 days	Sun 7/1/18	Sun 7/29/18																								
1481	Submit Deliverable to EPA and TDEC			0 days	Mon 7/30/18	Mon 7/30/18																								
1482	Place Copy of EPA and TDEC Submittal			0 days	Tue 7/31/18	Tue 7/31/18																								
1483	Develop Quarterly Report 21			29 days	Mon 10/1/18	Tue 10/30/18																								
1484	Submit Deliverable to EPA and TDEC			0 days	Wed 10/31/18	Wed 10/31/18																								
1485	Place Copy of EPA and TDEC Submittal			0 days	Wed 10/31/18	Wed 10/31/18																								
1486	Develop Quarterly Report 22			28 days	Tue 1/1/19	Tue 1/29/19																								
1487	Submit Deliverable to EPA and TDEC			0 days	Wed 1/30/19	Wed 1/30/19																								
1488	Place Copy of EPA and TDEC Submittal			0 days	Wed 1/30/19	Wed 1/30/19																								
1489	Quarterly Report Period 19			89 days	Mon 1/1/18	Sat 3/31/18																								
1490	Quarterly Report Period 20			90 days	Sun 4/1/18	Sat 6/30/18																								
1491	Quarterly Report Period 21			91 days	Sun 7/1/18	Sun 9/30/18																								
1492	Quarterly Report Period 22			91 days	Mon 10/1/18	Mon 12/31/18																								
1493	W-12-008I		<b>Quarterly Report - 2019</b>	<b>395 days</b>	<b>Tue 1/1/19</b>	<b>Fri 1/31/20</b>																								
1494	Develop Quarterly Report 23			29 days	Mon 4/1/19	Tue 4/30/19																								
1495	Submit Deliverable to EPA and TDEC			0 days	Tue 4/30/19	Tue 4/30/19																								
1496	Place Copy of EPA and TDEC Submittal			0 days	Tue 4/30/19	Tue 4/30/19																								
1497	Develop Quarterly Report 24			30 days	Mon 7/1/19	Wed 7/31/19																								
1498	Submit Deliverable to EPA and TDEC			0 days	Wed 7/31/19	Wed 7/31/19																								
1499	Place Copy of EPA and TDEC Submittal			0 days	Wed 7/31/19	Wed 7/31/19																								
1500	Develop Quarterly Report 25			28 days	Tue 10/1/19	Tue 10/29/19																								
1501	Submit Deliverable to EPA and TDEC			0 days	Tue 10/29/19	Tue 10/29/19																								
1502	Place Copy of EPA and TDEC Submittal			0 days	Tue 10/29/19	Tue 10/29/19																								
1503	Develop Quarterly Report 26			30 days	Wed 1/1/20	Fri 1/31/20																								
1504	Submit Deliverable to EPA and TDEC			0 days	Fri 1/31/20	Fri 1/31/20																								

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			







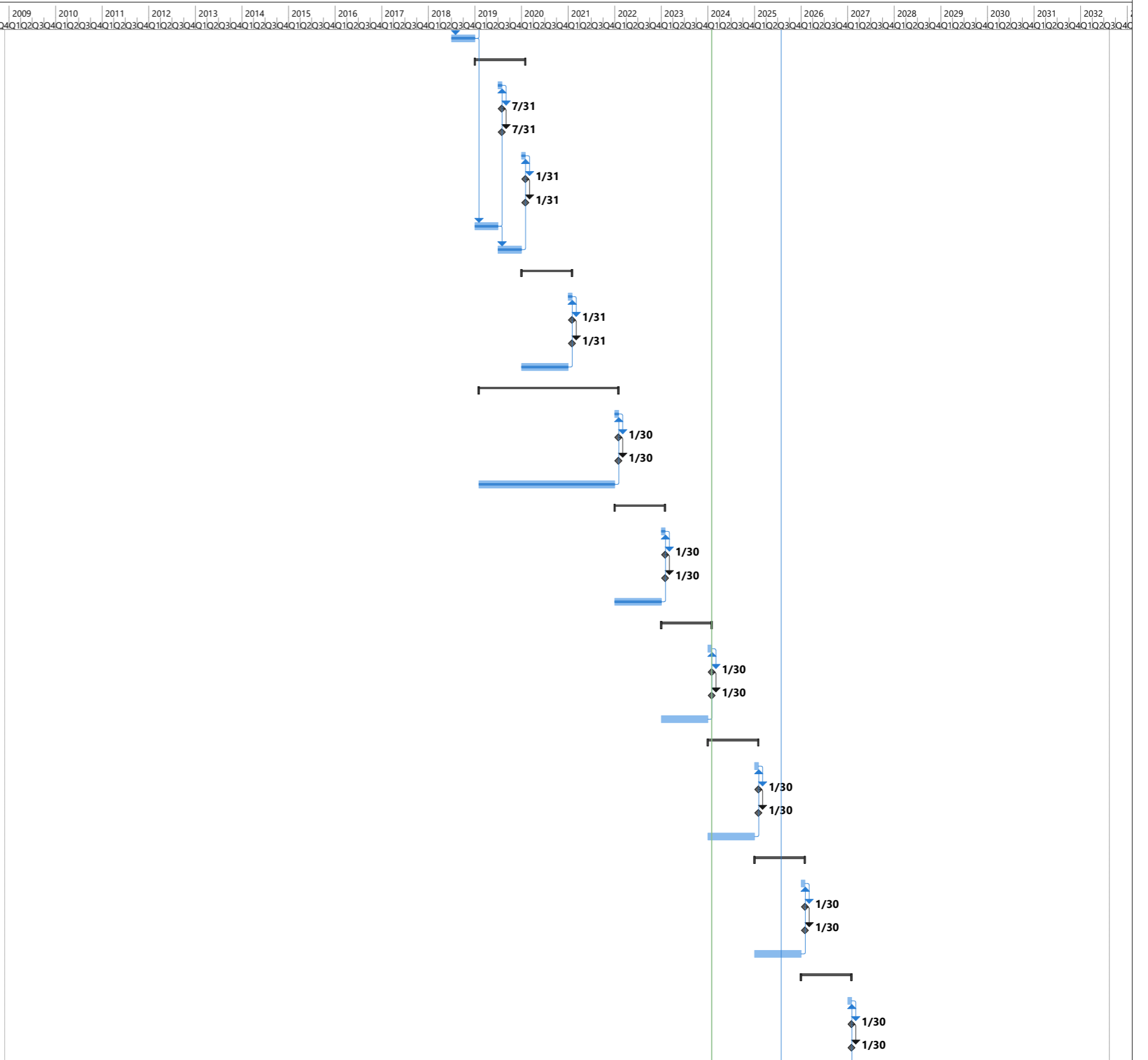








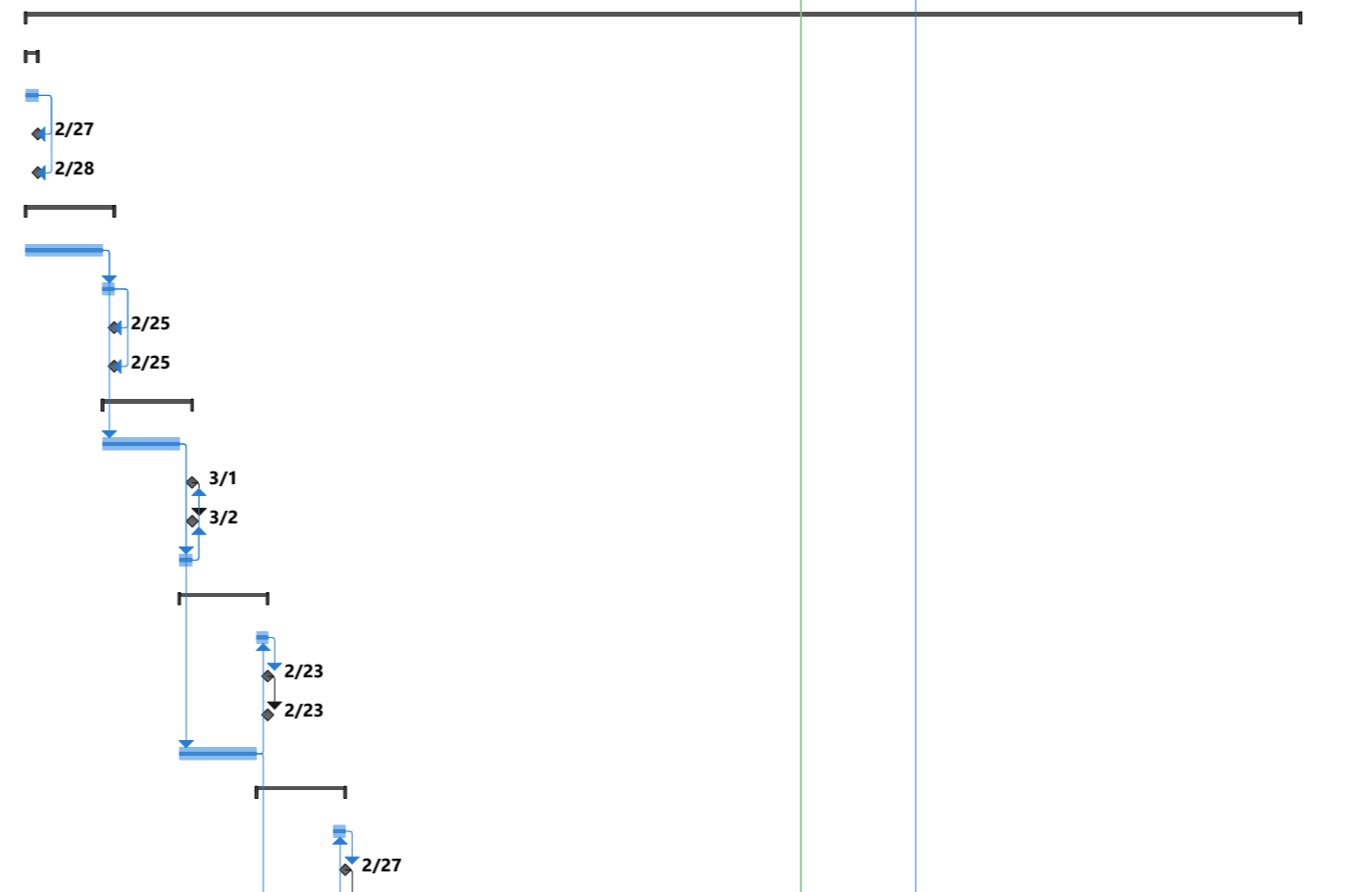
ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1739	Mod		Semi Annual Report 11 Data Collector	183 days	Sun 7/1/18	Mon 12/31/18																								
1740	✓	W-12-008J	<b>Semi-Annual Work Progress Report - 2019</b>	<b>395 days</b>	<b>Tue 1/1/19</b>	<b>Fri 1/31/20</b>																								
1741	✓		Develop Semi Annual Report 12	30 days	Mon 7/1/19	Wed 7/31/19																								
1742	✓		Submit Deliverable to EPA and TDEC	0 days	Wed 7/31/19	Wed 7/31/19																								
1743	✓		Place Copy of EPA and TDEC Submittal	0 days	Wed 7/31/19	Wed 7/31/19																								
1744	✓		Develop Semi Annual Report 13	30 days	Wed 1/1/20	Fri 1/31/20																								
1745	✓		Submit Deliverable to EPA and TDEC	0 days	Fri 1/31/20	Fri 1/31/20																								
1746	✓		Place Copy of EPA and TDEC Submittal	0 days	Fri 1/31/20	Fri 1/31/20																								
1747	✓		Semi Annual Report 12 Data Collector	180 days	Tue 1/1/19	Sun 6/30/19																								
1748	✓		Semi Annual Report 13 Data Collector	183 days	Mon 7/1/19	Tue 12/31/19																								
1749	✓	W-12-008J	<b>Annual Work Progress Report - 2020</b>	<b>396 days</b>	<b>Wed 1/1/20</b>	<b>Sun 1/31/21</b>																								
1750	✓		Develop Annual Progress Report 14	30 days	Fri 1/1/21	Sun 1/31/21																								
1751	✓		Submit Deliverable to EPA and TDEC	0 days	Sun 1/31/21	Sun 1/31/21																								
1752	✓		Place Copy of EPA and TDEC Submittal	0 days	Sun 1/31/21	Sun 1/31/21																								
1753	✓		Annual Progress Report 14 Data Collec	365 days	Wed 1/1/20	Thu 12/31/20																								
1754	✓	W-12-008J	<b>Annual Work Progress Report - 2021</b>	<b>1095 days</b>	<b>Thu 1/31/19</b>	<b>Sun 1/30/22</b>																								
1755	✓		Develop Annual Progress Report 15	30 days	Fri 12/31/21	Sat 1/29/22																								
1756	✓		Submit Deliverable to EPA and TDEC	0 days	Sun 1/30/22	Sun 1/30/22																								
1757	✓		Place Copy of EPA and TDEC Submittal	0 days	Sun 1/30/22	Sun 1/30/22																								
1758	✓		Annual Progress Report 15 Data Collec	1065 days	Thu 1/31/19	Fri 12/31/21																								
1759	✓	W-12-008J	<b>Annual Work Progress Report - 2022</b>	<b>395 days</b>	<b>Sat 1/1/22</b>	<b>Mon 1/30/23</b>																								
1760	✓		Develop Annual Progress Report 16	30 days	Sun 1/1/23	Mon 1/30/23																								
1761	✓		Submit Deliverable to EPA and TDEC	0 days	Mon 1/30/23	Mon 1/30/23																								
1762	✓		Place Copy of EPA and TDEC Submittal	0 days	Mon 1/30/23	Mon 1/30/23																								
1763	✓		Annual Progress Report 16 Data Collec	365 days	Sat 1/1/22	Sat 12/31/22																								
1764	✓	W-12-008J	<b>Annual Work Progress Report - 2023</b>	<b>395 days</b>	<b>Sun 1/1/23</b>	<b>Tue 1/30/24</b>																								
1765	✓		Develop Annual Progress Report 17	30 days	Mon 1/1/24	Tue 1/30/24																								
1766	✓		Submit Deliverable to EPA and TDEC	0 days	Tue 1/30/24	Tue 1/30/24																								
1767	✓		Place Copy of EPA and TDEC Submittal	0 days	Tue 1/30/24	Tue 1/30/24																								
1768	✓		Annual Progress Report 17 Data Collec	365 days	Sun 1/1/23	Sun 12/31/23																								
1769	✓	W-12-008J	<b>Annual Work Progress Report - 2024</b>	<b>396 days</b>	<b>Mon 1/1/24</b>	<b>Thu 1/30/25</b>																								
1770	✓		Develop Annual Progress Report 18	30 days	Wed 1/1/25	Thu 1/30/25																								
1771	✓		Submit Deliverable to EPA and TDEC	0 days	Thu 1/30/25	Thu 1/30/25																								
1772	✓		Place Copy of EPA and TDEC Submittal	0 days	Thu 1/30/25	Thu 1/30/25																								
1773	✓		Annual Progress Report 18 Data Collec	366 days	Mon 1/1/24	Tue 12/31/24																								
1774	✓	W-12-008J	<b>Annual Work Progress Report - 2025</b>	<b>395 days</b>	<b>Wed 1/1/25</b>	<b>Fri 1/30/26</b>																								
1775	✓		Develop Annual Progress Report 19	30 days	Thu 1/1/26	Fri 1/30/26																								
1776	✓		Submit Deliverable to EPA and TDEC	0 days	Fri 1/30/26	Fri 1/30/26																								
1777	✓		Place Copy of EPA and TDEC Submittal	0 days	Fri 1/30/26	Fri 1/30/26																								
1778	✓		Annual Progress Report 19 Data Collec	365 days	Wed 1/1/25	Wed 12/31/25																								
1779	✓	W-12-008J	<b>Annual Work Progress Report - 2026</b>	<b>395 days</b>	<b>Thu 1/1/26</b>	<b>Sat 1/30/27</b>																								
1780	✓		Develop Annual Progress Report 20	30 days	Fri 1/1/27	Sat 1/30/27																								
1781	✓		Submit Deliverable to EPA and TDEC	0 days	Sat 1/30/27	Sat 1/30/27																								
1782	✓		Place Copy of EPA and TDEC Submittal	0 days	Sat 1/30/27	Sat 1/30/27																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		Progress	
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1783	Mod		Annual Progress Report 20 Data Collec	365 days	Thu 1/1/26	Thu 12/31/26																								
1784	W-12-008J		Annual Work Progress Report - 2027	395 days	Fri 1/1/27	Sun 1/30/28																								
1785			Develop Annual Progress Report 21	30 days	Sat 1/1/28	Sun 1/30/28																								
1786			Submit Deliverable to EPA and TDEC	0 days	Sun 1/30/28	Sun 1/30/28																								
1787			Place Copy of EPA and TDEC Submittal	0 days	Sun 1/30/28	Sun 1/30/28																								
1788			Annual Progress Report 21 Data Collec	365 days	Fri 1/1/27	Fri 12/31/27																								
1789	W-12-008J		Annual Work Progress Report - 2028	396 days	Sat 1/1/28	Tue 1/30/29																								
1790			Develop Annual Progress Report 22	30 days	Mon 1/1/29	Tue 1/30/29																								
1791			Submit Deliverable to EPA and TDEC	0 days	Tue 1/30/29	Tue 1/30/29																								
1792			Place Copy of EPA and TDEC Submittal	0 days	Tue 1/30/29	Tue 1/30/29																								
1793			Annual Progress Report 22 Data Collec	366 days	Sat 1/1/28	Sun 12/31/28																								
1794	W-12-008J		Annual Work Progress Report - 2029	395 days	Mon 1/1/29	Wed 1/30/30																								
1795			Develop Annual Progress Report 23	30 days	Tue 1/1/30	Wed 1/30/30																								
1796			Submit Deliverable to EPA and TDEC	0 days	Wed 1/30/30	Wed 1/30/30																								
1797			Place Copy of EPA and TDEC Submittal	0 days	Wed 1/30/30	Wed 1/30/30																								
1798			Annual Progress Report 23 Data Collec	365 days	Mon 1/1/29	Mon 12/31/29																								
1799	W-12-008J		Annual Work Progress Report - 2030	395 days	Sat 6/30/29	Mon 7/29/30																								
1800			Develop Annual Progress Report 24	30 days	Sun 6/30/30	Mon 7/29/30																								
1801			Submit Deliverable to EPA and TDEC	0 days	Mon 7/29/30	Mon 7/29/30																								
1802			Place Copy of EPA and TDEC Submittal	0 days	Mon 7/29/30	Mon 7/29/30																								
1803			Annual Progress Report 24 Data Collec	365 days	Sat 6/30/29	Sat 6/29/30																								
1804			Paragraph 40 - Annual Reports	6056 days	Wed 1/1/14	Wed 7/31/30																								
1805	W-12-008K		Annual Report - 2013	58 days	Wed 1/1/14	Fri 2/28/14																								
1806			Develop Annual Report	56 days	Wed 1/1/14	Wed 2/26/14																								
1807			Submit Deliverable to EPA and TDEC	0 days	Thu 2/27/14	Thu 2/27/14																								
1808			Place Copy of EPA and TDEC Submittal	0 days	Fri 2/28/14	Fri 2/28/14																								
1809	W-12-008K		Annual Report - 2014	420 days	Wed 1/1/14	Wed 2/25/15																								
1810			Annual Report Period 2	364 days	Wed 1/1/14	Wed 12/31/14																								
1811			Develop Annual Report	55 days	Wed 12/31/14	Tue 2/24/15																								
1812			Submit Deliverable to EPA and TDEC	0 days	Wed 2/25/15	Wed 2/25/15																								
1813			Place Copy of EPA and TDEC Submittal	0 days	Wed 2/25/15	Wed 2/25/15																								
1814	W-12-008K		Annual Report - 2015	426 days	Thu 1/1/15	Wed 3/2/16																								
1815			Annual Report Period 3 Data Collector	364 days	Thu 1/1/15	Thu 12/31/15																								
1816			Submit Deliverable to EPA and TDEC	0 days	Tue 3/1/16	Tue 3/1/16																								
1817			Place Copy of EPA and TDEC Submittal	0 days	Wed 3/2/16	Wed 3/2/16																								
1818			Develop Annual Report 3	59 days	Fri 1/1/16	Mon 2/29/16																								
1819	W-12-008K		Annual Report - 2016	419 days	Fri 1/1/16	Thu 2/23/17																								
1820			Develop Annual Report 4	53 days	Sun 1/1/17	Thu 2/23/17																								
1821			Submit Deliverable to EPA and TDEC	0 days	Thu 2/23/17	Thu 2/23/17																								
1822			Place Copy of EPA and TDEC Submittal	0 days	Thu 2/23/17	Thu 2/23/17																								
1823			Annual Report Period 4 Data Collector	365 days	Fri 1/1/16	Sat 12/31/16																								
1824	W-12-008K		Annual Report - 2017	422 days	Sun 1/1/17	Tue 2/27/18																								
1825			Develop Annual Report 5	56 days	Mon 1/1/18	Mon 2/26/18																								
1826			Submit Deliverable to EPA and TDEC	0 days	Tue 2/27/18	Tue 2/27/18																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			







ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1916	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP			29 days	Thu 8/21/14	Fri 9/19/14																								
1917	Consultant develops and Submit Scope and Cost proposal			16 days	Sat 9/20/14	Mon 10/6/14																								
1918	PMO Reviews/ Negotiates and Approve Proposal / Agreement			57 days	Tue 10/7/14	Wed 12/3/14																								
1919	PMO Approved Agreement to Council for Approval			5 days	Thu 12/4/14	Tue 12/9/14																								
1920	Consultant Signed Agreement to City for Execution			47 days	Wed 12/10/14	Mon 1/26/15																								
1921	<b>Project Execution</b>			<b>1235 days</b>	<b>Wed 2/11/15</b>	<b>Sat 6/30/18</b>																								
1922	<b>Planning Phase</b>			<b>310 days</b>	<b>Wed 2/11/15</b>	<b>Thu 12/17/15</b>																								
1923	Planning Phase			264 days	Wed 2/11/15	Sun 11/1/15																								
1924	SRF Facility Plan Approval			46 days	Mon 11/2/15	Thu 12/17/15																								
1925	<b>Engineering Phase</b>			<b>413 days</b>	<b>Wed 5/27/15</b>	<b>Wed 7/13/16</b>																								
1926	Engineering Phase			413 days	Wed 5/27/15	Wed 7/13/16																								
1927	<b>Construction Bidding Phase</b>			<b>139 days</b>	<b>Thu 7/14/16</b>	<b>Wed 11/30/16</b>																								
1928	Construction Bidding Phase			139 days	Thu 7/14/16	Wed 11/30/16																								
1929	SRF Administration Phase			0 days	Wed 11/30/16	Wed 11/30/16																								
1930	<b>Construction Phase</b>			<b>576 days</b>	<b>Thu 12/1/16</b>	<b>Sat 6/30/18</b>																								
1931	Construction Phase			576 days	Thu 12/1/16	Sat 6/30/18																								
1932	<b>W-09-006 South Chick PS Phase II and Spring Creek PS Upgrades</b>			<b>963 days</b>	<b>Thu 8/21/14</b>	<b>Mon 4/10/17</b>																								
1933	<b>Project Procurement</b>			<b>257 days</b>	<b>Thu 8/21/14</b>	<b>Tue 5/5/15</b>																								
1934	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP			29 days	Thu 8/21/14	Fri 9/19/14																								
1935	Consultant develops and Submit Scope and Cost proposal			23 days	Sat 9/20/14	Mon 10/13/14																								
1936	PMO Reviews/ Negotiates and Approve Proposal / Agreement			163 days	Tue 10/14/14	Thu 3/26/15																								
1937	PMO Approved Agreement to Council for Approval			4 days	Fri 3/27/15	Tue 3/31/15																								
1938	Consultant Signed Agreement to City for Execution			34 days	Wed 4/1/15	Tue 5/5/15																								
1939	<b>Project Execution</b>			<b>963 days</b>	<b>Thu 8/21/14</b>	<b>Mon 4/10/17</b>																								
1940	<b>Planning Phase</b>			<b>283 days</b>	<b>Wed 5/6/15</b>	<b>Fri 2/12/16</b>																								
1941	Planning Phase			283 days	Wed 5/6/15	Fri 2/12/16																								
1942	<b>Engineering Phase</b>			<b>161 days</b>	<b>Wed 2/24/16</b>	<b>Wed 8/3/16</b>																								
1943	Engineering Phase			117 days	Wed 2/24/16	Mon 6/20/16																								
1944	SRF Approval of Contract Documents			43 days	Tue 6/21/16	Wed 8/3/16																								
1945	<b>Construction Bidding Phase</b>			<b>81 days</b>	<b>Thu 8/4/16</b>	<b>Mon 10/24/16</b>																								
1946	Construction Bidding Phase			54 days	Thu 8/4/16	Tue 9/27/16																								
1947	SRF Administration Phase			26 days	Wed 9/28/16	Mon 10/24/16																								
1948	<b>Construction Phase</b>			<b>165 days</b>	<b>Thu 10/27/16</b>	<b>Mon 4/10/17</b>																								
1949	Construction Phase			165 days	Thu 10/27/16	Mon 4/10/17																								
1950	Additional Evaluation			0 days	Thu 8/21/14	Thu 8/21/14																								

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1993	SRF Approval of Contract Documents			54 days	Sun 9/24/17	Fri 11/17/17																								
1994	Construction Bidding Phase			176 days	Sat 11/18/17	Sun 5/13/18																								
1995	Construction Bidding Phase			176 days	Sat 11/18/17	Sun 5/13/18																								
1996	SRF Administration Phase			29 days	Wed 2/14/18	Thu 3/15/18																								
1997	Construction Phase			1181 days	Thu 3/22/18	Mon 6/14/21																								
1998	Construction Phase			1181 days	Thu 3/22/18	Mon 6/14/21																								
1999	W-16-013 Citico PS Reliability Improvements			1764 days	Fri 7/1/16	Fri 4/30/21																								
2000	Project Procurement			145 days	Fri 7/1/16	Wed 11/23/16																								
2001	Development and Issuance of RFP			21 days	Fri 7/1/16	Fri 7/22/16																								
2002	Consultant develops and Submit Scope and Cost proposal			27 days	Sat 7/23/16	Fri 8/19/16																								
2003	PMO Reviews/ Negotiates and Approve Proposal / Agreement			7 days	Sat 8/20/16	Sat 8/27/16																								
2004	PMO Approved Agreement to Council for Approval			30 days	Sun 8/28/16	Tue 9/27/16																								
2005	Consultant Signed Agreement to City for Execution			57 days	Tue 9/27/16	Wed 11/23/16																								
2006	Project Execution			1631 days	Fri 11/11/16	Fri 4/30/21																								
2007	Planning Phase			98 days	Fri 11/11/16	Fri 2/17/17																								
2008	Planning Phase			98 days	Fri 11/11/16	Fri 2/17/17																								
2009	Engineering Phase			119 days	Mon 1/16/17	Mon 5/15/17																								
2010	Pump Station			119 days	Mon 1/16/17	Mon 5/15/17																								
2011	Engineering Phase- Pump Station			119 days	Mon 1/16/17	Mon 5/15/17																								
2012	Force Main			119 days	Mon 1/16/17	Mon 5/15/17																								
2013	Engineering Phase- Force Main			119 days	Mon 1/16/17	Mon 5/15/17																								
2014	Construction Bidding Phase			107 days	Tue 5/16/17	Thu 8/31/17																								
2015	Pump Station			107 days	Tue 5/16/17	Thu 8/31/17																								
2016	Construction Bidding Phase- Pump S			107 days	Tue 5/16/17	Thu 8/31/17																								
2017	Force Main			107 days	Tue 5/16/17	Thu 8/31/17																								
2018	Construction Bidding Phase- Force M			107 days	Tue 5/16/17	Thu 8/31/17																								
2019	Construction Phase			1337 days	Fri 9/1/17	Fri 4/30/21																								
2020	Pump Station			1232 days	Fri 9/1/17	Fri 1/15/21																								
2021	Construction Phase- Pump Station			1232 days	Fri 9/1/17	Fri 1/15/21																								
2022	Force Main			760 days	Mon 4/1/19	Fri 4/30/21																								
2023	Construction Phase- Force Main			760 days	Mon 4/1/19	Fri 4/30/21																								
2024	Project Completion			0 days	Fri 4/30/21	Fri 4/30/21																								
2025	Project Completion			0 days	Fri 4/30/21	Fri 4/30/21																								
2026	W-14-006 MBWWTP Secondary Clarifier Upgrades and Additions			3045 days	Mon 8/4/14	Sun 12/4/22																								
2027	Consent Decree Duration (60 Months)			0 days	Mon 8/4/14	Mon 8/4/14																								
2028	Project Procurement			175 days	Mon 8/4/14	Mon 1/26/15																								
2029	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP			46 days	Mon 8/4/14	Fri 9/19/14																								
2030	DuPont			18 days	Sat 9/20/14	Wed 10/8/14																								

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			

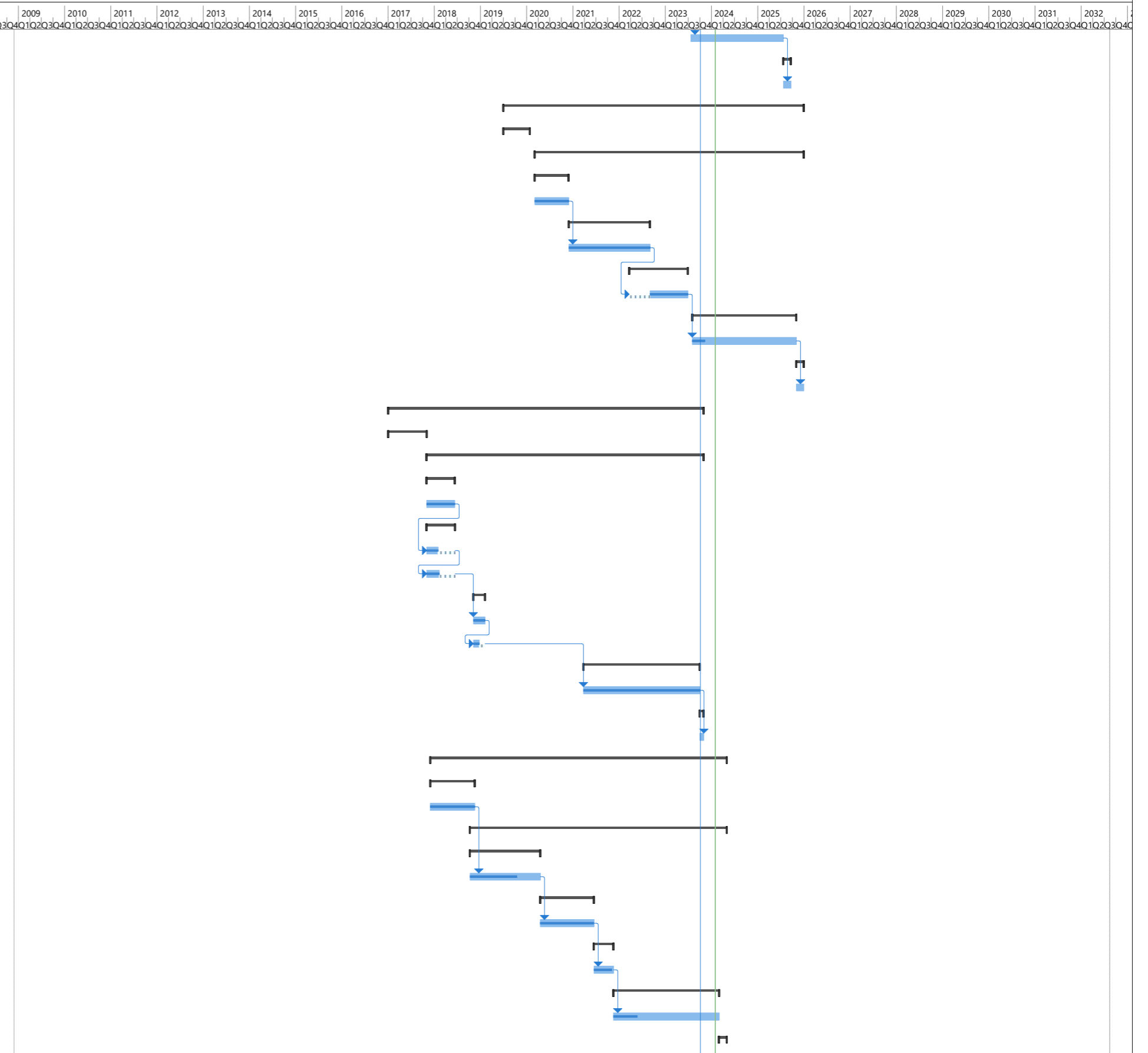


Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress		

ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2072	Construction Phase		Construction Phase	834 days	Mon 6/22/20	Tue 10/4/22																								
2073	Construction Phase		Construction Phase	834 days	Mon 6/22/20	Tue 10/4/22																								
2074	Project Closeout		Project Closeout	62 days	Wed 10/5/22	Mon 12/5/22																								
2075	Project Closeout		Project Closeout	62 days	Wed 10/5/22	Mon 12/5/22																								
2076	W-19-010		<b>Critical Pump Station Improvements Master</b>	<b>1886 days</b>	<b>Mon 7/1/19</b>	<b>Fri 12/3/21</b>																								
2077	Project Procurement		Project Procurement	129 days	Mon 7/1/19	Thu 11/7/19																								
2078	Project Procurement Phase		Project Procurement Phase	129 days	Mon 7/1/19	Thu 11/7/19																								
2079	Project Execution		Project Execution	756 days	Fri 11/8/19	Fri 12/3/21																								
2080	Planning Phase		Planning Phase	756 days	Fri 11/8/19	Fri 12/3/21																								
2081	Planning Phase		Planning Phase	756 days	Fri 11/8/19	Fri 12/3/21																								
2082	W-19-014		<b>Lupton Drive Chronic SSO Elimination Project (FY20)</b>	<b>1189 days</b>	<b>Sun 6/30/19</b>	<b>Fri 9/30/22</b>																								
2083	Project Procurement Phase		Project Procurement Phase	120 days	Sun 6/30/19	Mon 10/28/19																								
2084	Project Procurement Phase		Project Procurement Phase	120 days	Sun 6/30/19	Mon 10/28/19																								
2085	Project Execution Phase		Project Execution Phase	1068 days	Tue 10/29/19	Fri 9/30/22																								
2086	Planning Phase		Planning Phase	208 days	Tue 10/29/19	Sun 5/24/20																								
2087	Planning Phase		Planning Phase	208 days	Tue 10/29/19	Sun 5/24/20																								
2088	Engineering Phase		Engineering Phase	283 days	Mon 5/25/20	Thu 3/4/21																								
2089	Engineering Phase		Engineering Phase	283 days	Mon 5/25/20	Thu 3/4/21																								
2090	Construction Bidding Phase		Construction Bidding Phase	150 days	Mon 1/11/21	Thu 6/10/21																								
2091	Construction Bidding Phase		Construction Bidding Phase	150 days	Mon 1/11/21	Thu 6/10/21																								
2092	Construction Phase		Construction Phase	409 days	Thu 5/13/21	Sat 6/25/22																								
2093	Construction Phase		Construction Phase	409 days	Thu 5/13/21	Sat 6/25/22																								
2094	Project Closeout		Project Closeout	98 days	Sat 6/25/22	Fri 9/30/22																								
2095	Project Closeout		Project Closeout	98 days	Sat 6/25/22	Fri 9/30/22																								
2096	W-16-023		<b>Brainerd Golf Course Pump Station Safety Upgrade</b>	<b>3245 days</b>	<b>Tue 11/1/16</b>	<b>Fri 9/19/25</b>																								
2097	Project Procurement		Project Procurement	322 days	Tue 11/1/16	Tue 9/19/17																								
2098	Development and Issuance of RFP		Development and Issuance of RFP	51 days	Tue 11/1/16	Thu 12/22/16																								
2099	Consultant develops and Submit Scope and Cost proposal		Consultant develops and Submit Scope and Cost proposal	27 days	Fri 12/23/16	Thu 1/19/17																								
2100	PMO Reviews/ Negotiates and Approve Proposal / Agreement		PMO Reviews/ Negotiates and Approve Proposal / Agreement	216 days	Fri 1/20/17	Thu 8/24/17																								
2101	PMO Approved Agreement to Council for Approval		PMO Approved Agreement to Council for Approval	25 days	Fri 8/25/17	Tue 9/19/17																								
2102	Consultant Signed Agreement to City for Execution		Consultant Signed Agreement to City for Execution	0 days	Tue 9/19/17	Tue 9/19/17																								
2103	Project Execution		Project Execution	2922 days	Wed 9/20/17	Fri 9/19/25																								
2104	Project Planning		Project Planning	156 days	Wed 9/20/17	Fri 2/23/18																								
2105	Planning Phase		Planning Phase	156 days	Wed 9/20/17	Fri 2/23/18																								
2106	Engineering Phase		Engineering Phase	31 days	Wed 9/21/22	Fri 10/21/22																								
2107	Engineering		Engineering	31 days	Wed 9/21/22	Fri 10/21/22																								
2108	Construction Bidding Phase		Construction Bidding Phase	273 days	Sat 10/22/22	Fri 7/21/23																								
2109	Construction Bidding Phase		Construction Bidding Phase	273 days	Sat 10/22/22	Fri 7/21/23																								
2110	Construction Phase		Construction Phase	731 days	Sat 7/22/23	Mon 7/21/25																								

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			

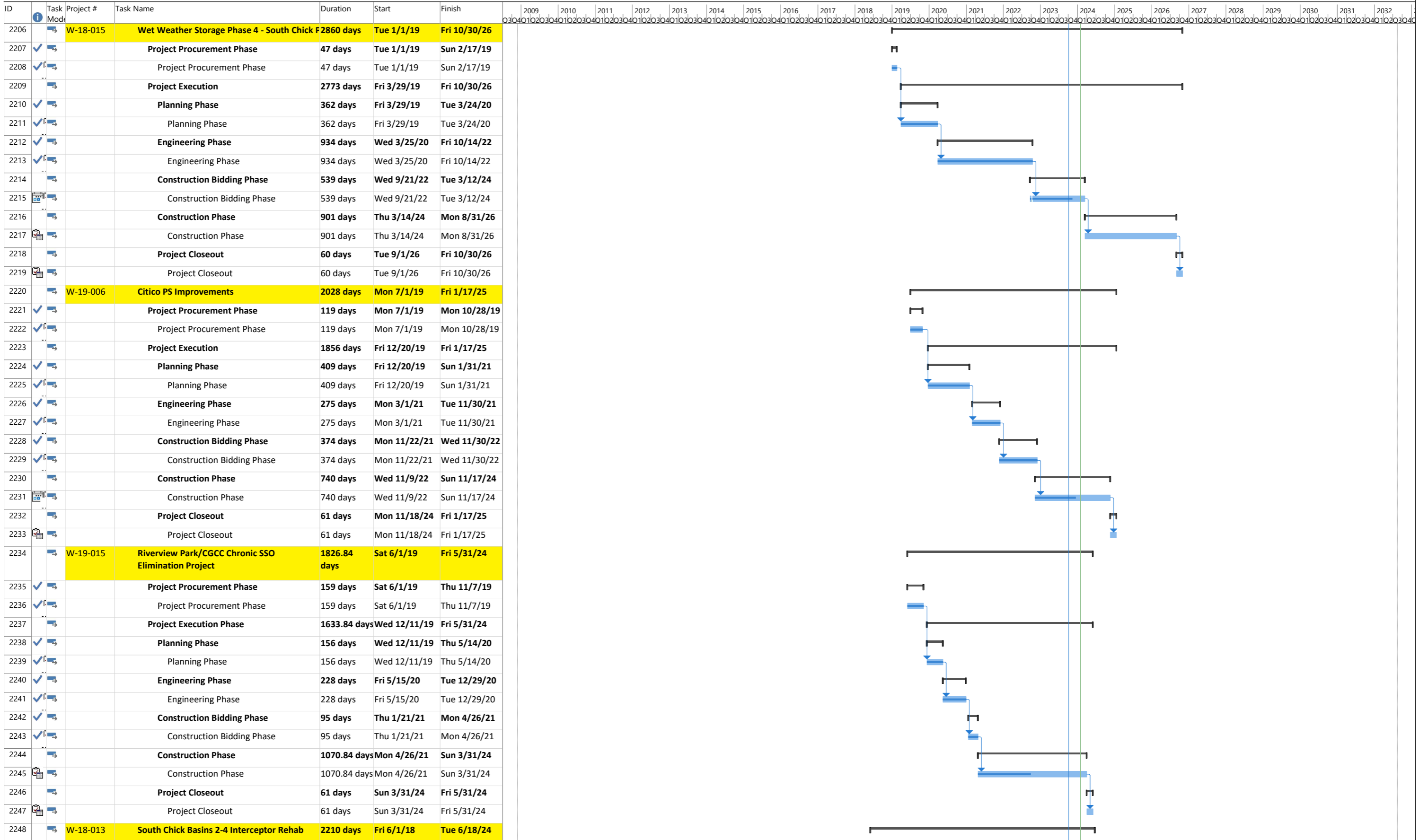
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2111	Construction Phase			731 days	Sat 7/22/23	Mon 7/21/25																								
2112	Project Closeout			60 days	Tue 7/22/25	Fri 9/19/25																								
2113	Project Closeout			60 days	Tue 7/22/25	Fri 9/19/25																								
2114	W-19-026		Pump Station Improvements - Hixson 2	2375.13 days	Mon 7/1/19	Wed 12/31/25																								
2115	Project Procurement			210 days	Mon 7/1/19	Mon 1/27/20																								
2117	Project Execution			2128.13 days	Wed 3/4/20	Wed 12/31/25																								
2118	Planning Phase			269 days	Wed 3/4/20	Fri 11/27/20																								
2119	Planning Phase			269 days	Wed 3/4/20	Fri 11/27/20																								
2120	Engineering Phase			641 days	Mon 11/30/20	Thu 9/1/22																								
2121	Engineering Phase			641 days	Mon 11/30/20	Thu 9/1/22																								
2122	Construction Bidding Phase			464 days	Tue 3/22/22	Wed 6/28/23																								
2123	Construction Bidding Phase			464 days	Tue 3/22/22	Wed 6/28/23																								
2124	Construction Phase			822.13 days	Wed 8/2/23	Sat 11/1/25																								
2125	Construction Phase			822.13 days	Wed 8/2/23	Sat 11/1/25																								
2126	Project Closeout			60 days	Sat 11/1/25	Wed 12/31/25																								
2127	Project Closeout			60 days	Sat 11/1/25	Wed 12/31/25																								
2128	W-17-004		Wet Weather Storage Phases 1-3 - IRPS	2492.87 days	Tue 1/3/17	Tue 10/31/23																								
2129	Project Procurement			304 days	Tue 1/3/17	Fri 11/3/17																								
2135	Project Execution			2189.87 days	Thu 11/2/17	Tue 10/31/23																								
2136	Planning Phase			223 days	Thu 11/2/17	Wed 6/13/18																								
2137	Planning Phase			223 days	Thu 11/2/17	Wed 6/13/18																								
2138	Engineering Phase			224 days	Thu 11/2/17	Wed 6/13/18																								
2139	Engineering			224 days	Thu 11/2/17	Wed 6/13/18																								
2140	SRF Approval of Contract Documents			224 days	Thu 11/2/17	Wed 6/13/18																								
2141	Construction Bidding Phase			92 days	Tue 11/6/18	Tue 2/5/19																								
2142	Construction Bidding Phase			91 days	Tue 11/6/18	Tue 2/5/19																								
2143	SRF Administration Phase			92 days	Tue 11/6/18	Tue 2/5/19																								
2144	Construction Phase			919.87 days	Thu 3/25/21	Sat 9/30/23																								
2145	Construction Phase			919.87 days	Thu 3/25/21	Sat 9/30/23																								
2146	Project Closeout			31 days	Sat 9/30/23	Tue 10/31/23																								
2147	Project Closeout			31 days	Sat 9/30/23	Tue 10/31/23																								
2148	W-18-004		CSOTF Improvements - Phase 1	2344 days	Fri 12/1/17	Wed 5/1/24																								
2149	Project Procurement Phase			350 days	Fri 12/1/17	Fri 11/16/18																								
2150	Project Procurement Phase			350 days	Fri 12/1/17	Fri 11/16/18																								
2151	Project Execution			2031 days	Wed 10/10/18	Wed 5/1/24																								
2152	Planning Phase			556 days	Wed 10/10/18	Fri 4/17/20																								
2153	Planning Phase			556 days	Wed 10/10/18	Fri 4/17/20																								
2154	Engineering Phase			425 days	Fri 4/17/20	Tue 6/15/21																								
2155	Engineering Phase			425 days	Fri 4/17/20	Tue 6/15/21																								
2156	Construction Bidding Phase			156 days	Tue 6/15/21	Wed 11/17/21																								
2157	Construction Bidding Phase			156 days	Tue 6/15/21	Wed 11/17/21																								
2158	Construction Phase			836 days	Wed 11/17/21	Fri 3/1/24																								
2159	Construction Phase			836 days	Wed 11/17/21	Fri 3/1/24																								
2160	Project Closeout			62 days	Fri 3/1/24	Wed 5/1/24																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



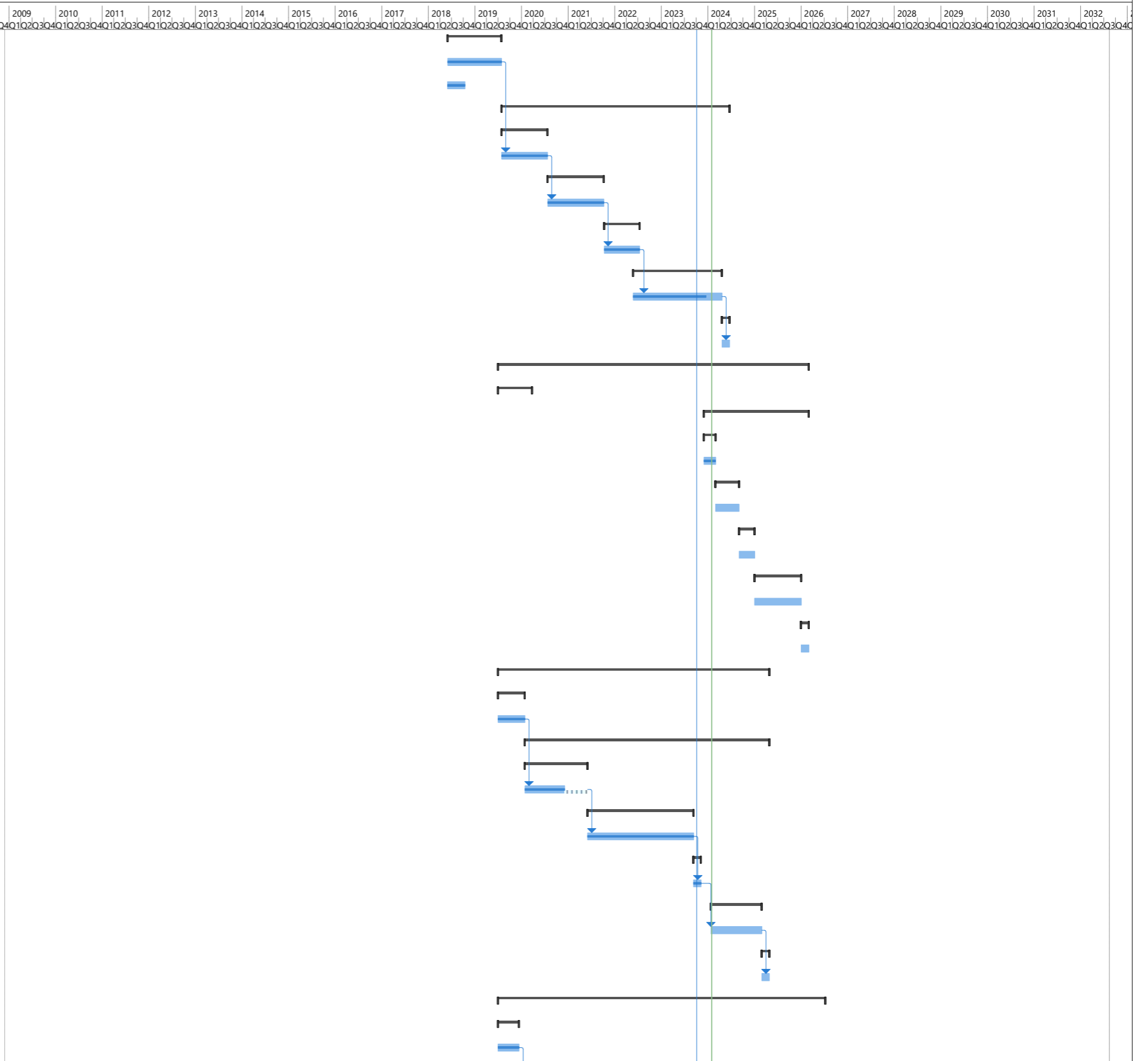




Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		Progress	
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



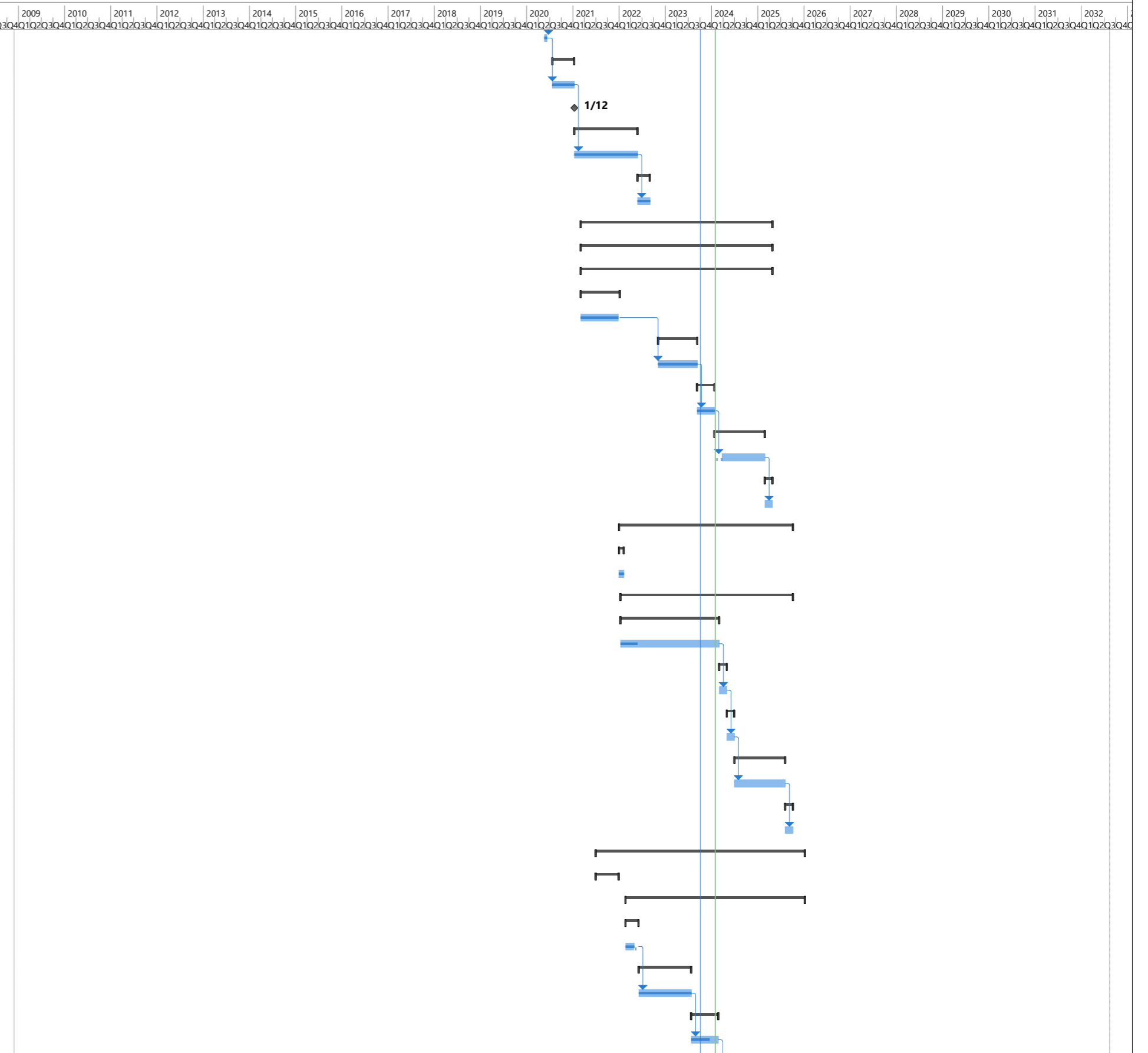
ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2249	✓		<b>Project Procurement</b>	422 days	Fri 6/1/18	Sun 7/28/19																								
2250	✓		Procurement Phase	422 days	Fri 6/1/18	Sun 7/28/19																								
2251	✓		Procurement Phase	136 days	Fri 6/1/18	Mon 10/15/18																								
2252	✓		<b>Project Execution</b>	1787 days	Mon 7/29/19	Tue 6/18/24																								
2253	✓		<b>Planning Phase</b>	360 days	Mon 7/29/19	Thu 7/23/20																								
2254	✓		Planning Phase	360 days	Mon 7/29/19	Thu 7/23/20																								
2255	✓		<b>Engineering Phase</b>	441 days	Fri 7/24/20	Fri 10/8/21																								
2256	✓		Engineering Phase	441 days	Fri 7/24/20	Fri 10/8/21																								
2257	✓		<b>Construction Bidding Phase</b>	277 days	Mon 10/11/21	Thu 7/14/22																								
2258	✓		Construction Bidding Phase	277 days	Mon 10/11/21	Thu 7/14/22																								
2259	✓		<b>Construction Phase</b>	696 days	Wed 5/25/22	Fri 4/19/24																								
2260	✓		Construction Phase	696 days	Wed 5/25/22	Fri 4/19/24																								
2261	✓		<b>Project Closeout</b>	60 days	Sat 4/20/24	Tue 6/18/24																								
2262	✓		Project Closeout	60 days	Sat 4/20/24	Tue 6/18/24																								
2263	✓	W-19-013	<b>Tiftonia PS #1 Safety Upgrades</b>	2436 days	Mon 7/1/19	Sun 3/1/26																								
2264	✓		<b>Project Procurement</b>	267 days	Mon 7/1/19	Tue 3/24/20																								
2266	✓		<b>Project Execution</b>	822 days	Fri 12/1/23	Sun 3/1/26																								
2267	✓		<b>Planning Phase</b>	92 days	Fri 12/1/23	Fri 3/1/24																								
2268	✓		Planning Phase	92 days	Fri 12/1/23	Fri 3/1/24																								
2269	✓		<b>Engineering Phase</b>	185 days	Fri 3/1/24	Sun 9/1/24																								
2270	✓		Engineering Phase	185 days	Fri 3/1/24	Sun 9/1/24																								
2271	✓		<b>Bidding Phase</b>	123 days	Sun 9/1/24	Wed 1/1/25																								
2272	✓		Construction Bidding Phase	123 days	Sun 9/1/24	Wed 1/1/25																								
2273	✓		<b>Construction Phase</b>	366 days	Wed 1/1/25	Thu 1/1/26																								
2274	✓		Construction Phase	366 days	Wed 1/1/25	Thu 1/1/26																								
2275	✓		<b>Project Closeout</b>	60 days	Thu 1/1/26	Sun 3/1/26																								
2276	✓		Project Closeout	60 days	Thu 1/1/26	Sun 3/1/26																								
2277	✓	W-19-020	<b>ISS Capacity Improvements - Creekside Prese</b>	2126 days	Mon 7/1/19	Fri 4/25/25																								
2278	✓		<b>Project Procurement</b>	210 days	Mon 7/1/19	Mon 1/27/20																								
2279	✓		Procurement Phase	210 days	Mon 7/1/19	Mon 1/27/20																								
2280	✓		<b>Project Execution</b>	1916 days	Mon 1/27/20	Fri 4/25/25																								
2281	✓		<b>Planning Phase</b>	492 days	Mon 1/27/20	Tue 6/1/21																								
2282	✓		Planning Phase	492 days	Mon 1/27/20	Tue 6/1/21																								
2283	✓		<b>Engineering Phase</b>	832 days	Tue 6/1/21	Sun 9/10/23																								
2284	✓		Engineering Phase	832 days	Tue 6/1/21	Sun 9/10/23																								
2285	✓		<b>Bidding Phase</b>	59 days	Sun 9/10/23	Tue 11/7/23																								
2286	✓		Construction Bidding Phase	59 days	Sun 9/10/23	Tue 11/7/23																								
2287	✓		<b>Construction Phase</b>	398 days	Thu 1/25/24	Tue 2/25/25																								
2288	✓		Construction Phase	398 days	Thu 1/25/24	Tue 2/25/25																								
2289	✓		<b>Project Closeout</b>	59 days	Wed 2/26/25	Fri 4/25/25																								
2290	✓		Project Closeout	59 days	Wed 2/26/25	Fri 4/25/25																								
2291	✓	W-19-007	<b>Wet Weather Storage Phase 6 - Hixson PS #1</b>	2567 days	Mon 7/1/19	Fri 7/10/26																								
2292	✓		<b>Project Procurement</b>	164 days	Mon 7/1/19	Thu 12/12/19																								
2293	✓		Procurement Phase	164 days	Mon 7/1/19	Thu 12/12/19																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



ID	Task	Project #	Task Name	Duration	Start	Finish	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2338	✓		Planning Phase	20 days	Tue 5/19/20	Mon 6/8/20																								
2339	✓		Engineering Phase	172 days	Thu 7/23/20	Mon 1/11/21																								
2340	✓		Engineering Phase	172 days	Thu 7/23/20	Mon 1/11/21																								
2341	✓		Construction Bidding Phase	0 days	Tue 1/12/21	Tue 1/12/21																								
2342	✓		Construction Phase	500 days	Tue 1/12/21	Fri 5/27/22																								
2343	✓		Construction Phase	500 days	Tue 1/12/21	Fri 5/27/22																								
2344	✓		Project Closeout	97 days	Fri 5/27/22	Wed 8/31/22																								
2345	✓		Project Closeout	97 days	Fri 5/27/22	Wed 8/31/22																								
2346	→	W-20-021	<b>Big Ridge PS #5 Improvements</b>	<b>1515 days</b>	<b>Wed 3/3/21</b>	<b>Fri 4/25/25</b>																								
2347	→		Project Procurement	1515 days	Wed 3/3/21	Fri 4/25/25																								
2348	→		Project Execution	1515 days	Wed 3/3/21	Fri 4/25/25																								
2349	✓		Planning Phase	309 days	Wed 3/3/21	Wed 1/5/22																								
2350	✓		Planning Phase	309 days	Wed 3/3/21	Wed 1/5/22																								
2351	✓		Engineering Phase	310 days	Sat 11/5/22	Sun 9/10/23																								
2352	✓		Engineering Phase	310 days	Sat 11/5/22	Sun 9/10/23																								
2353	✓		Construction Bidding Phase	137 days	Sun 9/10/23	Wed 1/24/24																								
2354	✓		Construction Bidding Phase	137 days	Sun 9/10/23	Wed 1/24/24																								
2355	→		Construction Phase	398 days	Thu 1/25/24	Tue 2/25/25																								
2356	→		Construction Phase	398 days	Thu 1/25/24	Tue 2/25/25																								
2357	→		Project Closeout	59 days	Wed 2/26/25	Fri 4/25/25																								
2358	→		Project Closeout	59 days	Wed 2/26/25	Fri 4/25/25																								
2359	→	W-20-019	<b>Big Ridge PS #2 Improvements</b>	<b>1375 days</b>	<b>Sat 1/1/22</b>	<b>Mon 10/6/25</b>																								
2360	✓		Project Procurement	36 days	Sat 1/1/22	Sun 2/6/22																								
2361	✓		Project Procurement Phase	36 days	Sat 1/1/22	Sun 2/6/22																								
2362	→		Project Execution	1364 days	Wed 1/12/22	Mon 10/6/25																								
2363	→		Planning Phase	780 days	Wed 1/12/22	Fri 3/1/24																								
2364	→		Planning Phase	780 days	Wed 1/12/22	Fri 3/1/24																								
2365	→		Engineering Phase	61 days	Sat 3/2/24	Wed 5/1/24																								
2366	→		Engineering Phase	61 days	Sat 3/2/24	Wed 5/1/24																								
2367	→		Construction Bidding Phase	58 days	Thu 5/2/24	Fri 6/28/24																								
2368	→		Construction Bidding Phase	58 days	Thu 5/2/24	Fri 6/28/24																								
2369	→		Construction Phase	401 days	Mon 7/1/24	Tue 8/5/25																								
2370	→		Construction Phase	401 days	Mon 7/1/24	Tue 8/5/25																								
2371	→		Project Closeout	62 days	Wed 8/6/25	Mon 10/6/25																								
2372	→		Project Closeout	62 days	Wed 8/6/25	Mon 10/6/25																								
2373	→	W-21-010	<b>Highland Park PS Improvements</b>	<b>1654 days</b>	<b>Thu 7/1/21</b>	<b>Fri 1/9/26</b>																								
2374	✓		Project Procurement	182 days	Thu 7/1/21	Thu 12/30/21																								
2376	→		Project Execution	1419 days	Mon 2/21/22	Fri 1/9/26																								
2377	✓		Planning Phase	103 days	Mon 2/21/22	Fri 6/3/22																								
2378	✓		Planning Phase	103 days	Mon 2/21/22	Fri 6/3/22																								
2379	✓		Engineering Phase	415 days	Mon 6/6/22	Tue 7/25/23																								
2380	✓		Engineering Phase	415 days	Mon 6/6/22	Tue 7/25/23																								
2381	→		Construction Bidding Phase	214 days	Tue 7/25/23	Fri 2/23/24																								
2382	→		Construction Bidding Phase	214 days	Tue 7/25/23	Fri 2/23/24																								



Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		Progress	
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			





