## BART Fire Alarm Replacement.



Main Contractor: Patriot Contracting inc.



CPM Scheduling Consultant: HSE CONTRACTORS INC.

Baseline #1 Narrative (Data Date: February 6, 2023)

NTP

February 6, 2023

Final Completion and Acceptance

February 5, 2025





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## 1. Project Information

### 1.1. Scope of Work

This project provides a complete replacement of the fire alarm system for the following bay area rapid transit district (BART) passenger stations:

A10-LAKE MERRITT STATION

A30-COLISEUM STATION

A40-SAN LEANDRO STATION

C40-WALNUT CREEK STATION

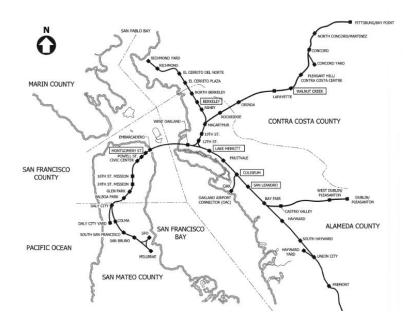
M20-MONTGOMERY STATION

**R20-BERKELEY STATION** 

The design utilizes a new addressable fire alarm control unit (FACU) with voice evacuation/notification, photoelectric smoke detectors and heat detectors, manual fire alarm pull stations, audible/visual occupant notification appliances, visual occupant notification appliances, and audible occupant notification appliances.

### 1.2. Project Location

	PROJECT LOCATIONS					
STATION ID	STATION NAME	ADDRESS				
A10	LAKE MERRITT STATION	800 MADISON STREET, OAKLAND, CA 94621				
A30	COLISEUM STATION	7200 SAN LEANDRO BLVD. OAKLAND, CA 94621				
A40	SAN LEANDRO STATION	1401 SAN LEANDRO BLVD. SAN LEANDRO, CA 94577				
C40	WALNUT CREEK STATION STATION	200 YGNACIO VALLEY ROAD. WALNUT CREEK, CA 94569				
M20	MONTGOMERY STATION	598 MARKET STREET, SAN FRANCISCO, CA 94104				
R20	BERKELEY STATION	2160 SHATTUCK AVE., BERKELEY, CA 94704				



Project Location





## 2. Project Phasing & Sequencing

### 2.1. Procurement

This phase of the project contains the activities for the procurement cycle for main project elements which is divided into Prepare and Submit, Review and Approve, Fabricate and Deliver. Procurement is a major stage for this project due to the long lead time for the arrival of the material delivery driving the start of the construction phase as a consequence.

### 2.2. Construction

Construction works will be for every tow stations concurrently, A30-Coliseum Station and A10-Lake Merritt Station, A40-San Leandro Station and M20-Montgomery Station then C40-Walnut Creek Station and R20-Berkeley Station. Starting with installing the conduits, fire alarm appliances and modulars, installing FACU and panels, testing and commissioning then removal of the old fire alarm system.

## 3. Key Dates

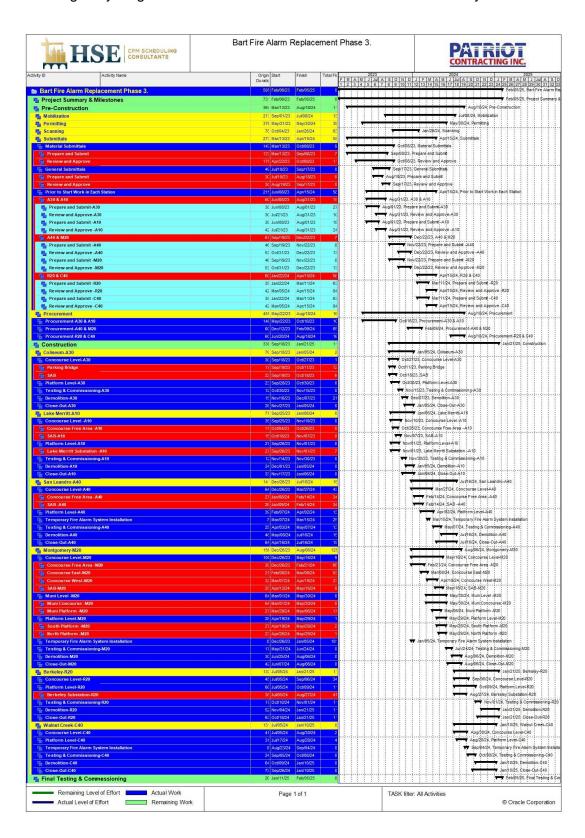
Item	Baseline Dates
NTP	Feb/06/2023
Final Acceptance of 2 Stations	Jan/06/2024
Final Acceptance of 4 Stations	Aug/06/2024
Final Acceptance of 6 Stations	Feb/05/2025
Final Completion and Acceptance	Feb/05/2025
Submittals End Date	May/30/2024
Start Milestone for - A30	Sep/18/2023
Start Milestone for - A10	Sep/25/2023
Start Milestone for - A40	Jan/16/2024
Start Milestone for - M20	Jan/18/2024
Start Milestone for - R20	Jul/18/2024
Start Milestone for - C40	Jul/22/2024





### 4. WBS

The below figure is extracted from the baseline schedule of the project on the P6 software and shows all WBS levels. The table reflects how the contractor can manage all project components and monitor their progress separately and/ or collectively. The Milestones section includes all important milestones for the project. The Preconstruction & Procurement section includes major submittals required by the contract and specifications. The Procurement section includes the procurement cycle for important materials arranged by stage. And the Construction Section is divided into every satiation and its levels.







### 5. Calendars

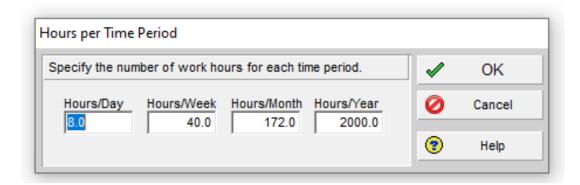
This section contains details on the calendars which are assigned on all activities. The calendar usage and assignment demonstrate that the builder has taken into account all official Weekends specified by the contract, and has scheduled the project activities efficiently to minimize any risk on project completion. The Calendars used in this project are:

<u>Bart 5 WD</u>: the calendar is based on a 5-day week and recognizes weekends as non-working days and is assigned to procurement and construction activities. District recognized holidays and weather days are as follows:

- New Year's Day January 1
- Dr. Martin Luther King, Jr. Day First Monday after January 15
- President's Day Third Monday in February
- Memorial Day Last Monday in May
- Independence Day July 4
- Labor Day First Monday in September
- 7. Veteran's Day November 11
- Thanksgiving Day Fourth Thursday in November
- Christmas Day December 25
- 14 Weather Days

## 6. Working hours

The working hours are 8 hours per day, totalling 40 hours per week and 172 hours per month. These work durations have been used throughout all scheduled construction activities to calculate durations and remaining time to complete.







## 7. Critical path

The critical path for the Bart Fire Alarm Replacement Phase 3, project has been identified. The critical path encompasses a series of essential activities that must be completed in sequence to ensure the timely completion of the project.

The critical path begins with the "Mobilization for A40" and "Mobilization for M20" activities, scheduled to take place from December 12, 2023, to December 26, 2023. Following this, the "Prepare and Submit" and "Review and Approve" submittal activities, such as safety plans, quality control plans, and management plans, are crucial and extend from July 10, 2023, to September 17, 2023.

Subsequently, the project involves the "Prepare and Submit SSWP" and "Review and Approve SSWP" tasks for both A40 and M20, with deadlines from September 19, 2023, to December 11, 2023. The procurement phase for A40 and M20, including fabricating and delivering materials, is scheduled from December 12, 2023, to January 1, 2024.

Moving into the construction phase, activities at various stations, such as "Install Conduits & Boxes," "Install Fire Alarm Cables," and "Testing & Commissioning," are interdependent and critical to the project's success. These activities span from September 18, 2023, to November 30, 2023, and continue with similar tasks for other stations like Lake Merritt-A10, San Leandro-A40, Montgomery-M20, and Berkeley-R20.

The critical path extends further to the Walnut Creek-C40 station, with activities from July 22, 2024, to September 23, 2024. The project's critical path ultimately concludes with "Final Testing & Commissioning" activities, including computer monitoring system tests, substantial completion, final acceptance, and allowances for weather days, scheduled from December 19, 2024, to February 5, 2025.

It's imperative to manage and monitor these critical path activities diligently to ensure the project stays on schedule and within the specified timeline. Delays in any of these critical activities could potentially impact the overall project completion date.





Activity Name  art Fire Alarm Replacement Phase 3, R2  Project Summary & Milestones  IS-1000 INTP  IS-1110 Start Milestone for - C40  IS-1040 Final Acceptance of 6 Stations  IS-1050 Final Completion and Acceptance  Ter-Construction  Mobilization  PC-M-1020 Mobilization for A40	734	Start   Start	Finish	Total Float	Activity % Complete
Iroject Summary & Milestones  IS-1000 ITP  IS-1110 Start Illiestone for - C40  IS-1040 Final Acceptance of 6 Stations  IS-1050 Final Completion and Acceptance  IFO-COnstruction  Mobilization	73/ (	5 Feb/06/23 08			Complete
Iroject Summary & Milestones  IS-1000 ITP  IS-1110 Start Illiestone for - C40  IS-1040 Final Acceptance of 6 Stations  IS-1050 Final Completion and Acceptance  IFO-COnstruction  Mobilization	73/ (	Feb/06/23 08			
S-1000 NTP S-1110 Start Milestone for - C40 S-1040 Final Acceptance of 6 Stations S-1050 Final Completion and Acceptance re-Construction	(		Feb/05/25 17	0	
S-1110 Start Milestone for - C40 S-1040 Final Acceptance of 6 Stations S-1050 Final Completion and Acceptance re-Construction lobilization		1 Feb/06/23 08	Feb/05/25 17	0	
IS-1040 Final Acceptance of 6 Stations IS-1050 Final Completon and Acceptance Pre-Construction Mobilization		D Feb/06/23 08 D Jul/22/24 08		199	0%
#S-1050 Final Completion and Acceptance  *re-Construction  Mobilization			Feb/05/25 17*	0	0%
Mobilization			Feb/05/25 17*	0	0%
	121	1 JuV10/23 08	Jan/01/24 17	0	
PC-M-1020 Mobilization for A40		Dec/12/23 08	Dec/26/23 17	0	
PC-M-1040 Mobilization for M20		Dec/12/23 08	Dec/26/23 17 Dec/26/23 17	0	0%
Submittals		Dec/12/23 08 3 Jul/10/23 08	Dec/11/23 17	0	076
General Submittals		9 Jul/10/23 08	Sep/17/23 17	0	
Prepare and Submit SUB-1020 Prepare and Submit Safety Plan		Jul/10/23 08 Jul/10/23 08	Aug/18/23 17 Aug/18/23 17	0	0%
SUB-1030 Prepare and Submit QC Plan		0 Jul/10/23 08	Aug/18/23 17	0	0%
SUB-1040 Prepare and Submit Site Specific Emergency Plan	1000	0 JuV10/23 08	Aug/18/23 17	0	0%
SUB-1050 Prepare and Submit Security Plan	30	JuV10/23 08	Aug/18/23 17	0	0%
SUB-1060 Prepare and Submit Baseline Schedule		Jul/10/23 08	Aug/18/23 17	0	0%
SUB-1070 Prepare and Submit Schedule of Variance		Jul/10/23 08	Aug/18/23 17	0	0%
SUB-1080 Prepare and Submit Management Plan     Review and Approve		Jul/10/23 08	Aug/18/23 17 Sep/17/23 17	0	0%
REV-1020 Review and Approve Safety Plan		Aug/19/23 08 0 Aug/19/23 08	Sep/17/23 17 Sep/17/23 17	0	0%
REV-1030 Review and Approve QC Plan		Aug/19/23 08	Sep/17/23 17	0	0%
REV-1040 Review and Approve Site Specific Emergency Plan		Aug/19/23 08	Sep/17/23 17	0	0%
REV-1050 Review and Approve Security Plan		Aug/19/23 08	Sep/17/23 17	0	0%
REV-1060 Review and Approve Baseline Schedule  REV-1070 Review and Approve Schedule of Variance	1000	Aug/19/23 08	Sep/17/23 17	0	0%
REV-1070 Review and Approve Schedule of Variance REV-1080 Review and Approve Management Plan		Aug/19/23 08 Aug/19/23 08	Sep/17/23 17 Sep/17/23 17	0	0%
Prior to Start Work in Each Station		Sep/19/23 08	Dec/11/23 17	0	076
A40 & M20	55	Sep/19/23 08	Dec/11/23 17	0	
Prepare and Submit -A40  SUB-A40-1 Prepare and Submit SSWP -A40		Sep/19/23 08 Sep/19/23 08	Oct/30/23 17 Oct/30/23 17	0	0%
Review and Approve -A40		2 Oct/31/23 08	Dec/11/23 17	0	0.16
REV-A40-1 Review and Approve SSWP -A40		2 Oct/31/23 08	Dec/11/23 17	0	0%
Prepare and Submit -M20		Sep/19/23 08	Oct/30/23 17	0	200
SUB-M20-1 Prepare and Submit SSWP -M20 Review and Approve -M20		O Sep/19/23 08 2 Oct/31/23 08	Oct/30/23 17 Dec/11/23 17	0	0%
REV-M20-1 Review and Approve SSWP -M20		2 Oct/31/23 08	Dec/11/23 17	0	0%
Procurement		1 Dec/12/23 08	Jan/01/24 17	0	
PROC-1100 Fab. & Deliver Conduits and Boxes -A40 & M20		Dec/12/23 08 Dec/12/23 08	Jan/01/24 17 Dec/26/23 17	0	0%
PROC-110 Fab. & Deliver Fire Alarm Cables -A40 & M20		1 Dec/12/23 08	Jan/01/24 17	0	0%
PROC-1160 Fab. & Deliver Misc. Materials -A40 & M20		4 Dec/12/23 08	Dec/25/23 17	0	0%
Construction	327	7 Sep/18/23 08	Jan/03/25 17	0	
Coliseum-A30		8 Sep/18/23 08	Sep/27/23 17	0	
Concourse Level-A30 CONS-A30-1 Scanning -A30 (Concourse Level)		Sep/18/23 08 1 Sep/18/23 08	Sep/27/23 17 Sep/18/23 17	0	0%
CONS-A30-1 Core Drilling -A30 (Concourse Level)		3 Sep/18/23 08	Sep/20/23 17	0	0%
CONS-A30-1 Install Conduits & Boxes -A30 (Concourse Level) - Free Area	- 5	7 Sep/19/23 08	Sep/27/23 17	0	0%
SAB CONTRACT OF THE CONTRACT O		Sep/19/23 08	Sep/26/23 17	0	
CONS-A30- Install Conduits & Boxes -A30 (SAB)  CONS-A30- Install & Pull Fire Alarm Cables -A30 (SAB)		4 Sep/19/23 08 2 Sep/25/23 08	Sep/22/23 17 Sep/26/23 17	0	0%
CONS-A30- Pulling of Communication Wire (Fiber/Ethernet) (SAB)		2 Sep/25/23 08	Sep/26/23 17	0	0%
ake Merritt-A10		7 Sep/25/23 08	Dec/14/23 17	0	
Concourse Level -A10		Sep/25/23 08	Nov/10/23 17	0	
CONS-A10-1 Scanning -A10 (Lake Merritt)		1 Sep/25/23 08	Sep/25/23 17	0	0%
CONS-A10-1 install Conduits & Boxes -A10 (Concourse Level) Paid Area CONS-A10-1 Core Drilling -A10 (Lake Merritt)		Sep/26/23 08 2 Sep/26/23 08	Oct/03/23 17 Sep/27/23 17	0	0%
CONS-A10-1 Core Drilling -A10 (Lake Merritt)  CONS-A10-1 Install Conduits & Boxes -A10 (Concourse Level) Elec. Room, Storage, Offices and Break		Sep/26/23 08	Oct/03/23 17	0	0%
CONS-A10-1 Install & Pull Fire Alarm Cables -A10 (Concourse Level)	100000000000000000000000000000000000000	5 Oct/04/23 08	Oct/10/23 17	0	0%
CONS-A10-1 Pulling of Communication Wire (Fiber/Ethernet) -A10 (Concourse Level)		5 Oct/04/23 08	Oct/10/23 17	0	0%
CONS-A10-1 Paint Exposed Conduits -A10 (Concourse Level)		1 Nov/10/23 08	Nov/10/23 17	0	0%
Concourse Free Area -A10		Oct/04/23 08 Oct/04/23 08	Oct/17/23 17 Oct/17/23 17	0	0%
CONS-A10- Install Conduits & Boxes -A10 (Concourse Free Area)  SAB-A10		Oct/04/23 08	Oct/17/23 17 Oct/26/23 17	0	U76
CONS-A10- Install Conduits & Boxes -A10 (SAB)		7 Oct/18/23 08	Oct/26/23 17	0	0%
Testing & Commissioning-A10		Nov/14/23 08	Nov/30/23 17	0	
CONS-A10-1 Pre-testing by Contractor to be ready for testing in prescene of BART-A10		1 Nov/14/23 08	Nov/14/23 17	0	0%
CONS-A10-1 Pre-testing by Contractor in presence of BART -A10  CONS-A10-1 Fire Marshal and BART acceptance -A10		1 Nov/15/23 08 2 Nov/15/23 08	Nov/15/23 17 Nov/16/23 17	0	0%
CONS-A10-1 Fire Marshal and BAR1 acceptance -A10  CONS-A10-1 Installing and testing Remote monitoring system tied to BAR OSY -A10		2 Nov/15/23 08 2 Nov/17/23 08	Nov/16/23 17 Nov/20/23 17	0	0%
CONS-A10-1 Installing and testing Relinde Infollioning system lied to BAR 031 - A10		1 Nov/21/23 08	Nov/21/23 17	0	0%
CONS-A10-1 Connection to existing Tamper and Water-flow switches-A10		2 Nov/22/23 08	Nov/24/23 17	0	0%
CONS-A10-1 Fire Marshall approval -A10		1 Nov/27/23 08	Nov/27/23 17	0	0%
CONS-A10-1 BART Acceptance -A10		1 Nov/28/23 08	Nov/28/23 17	0	0%
CONS-A10-1 Punchlist and Substantial Completion -A10		2 Nov/29/23 08	Nov/30/23 17	0	096
Demolition-A10  CONS-A10-1 Removal of Old Fire Alarm System -A10		Dec/01/23 08 Dec/01/23 08	Dec/14/23 17 Dec/14/23 17	0	0%
CONS-A10-1 Removal of FA Devices -A10		Dec/01/23 08	Dec/08/23 17	0	0%
San Leandro-A40		2 Jan/16/24 08	Jan/17/24 17	0	
Concourse Level-A40		2 Jan/16/24 08	Jan/17/24 17	0	
CONS-A40-1 Scanning -A40 (Concourse Level)		2 Jan/16/24 08	Jan/17/24 17	0	0%
Montgomery-M20 Concourse Level-M20		2 Jan/18/24 08 2 Jan/18/24 08	Jul/24/24 17 Mar/18/24 17	0	
Concourse Free Area -M20		9 Jan/18/24 08	Feb/28/24 17	0	
	751	18		- 135°	= W



CONS-C40-1 Cutover and tie-in to existing BART facilities -C40

CONS-C40-1 NFPA72 checklist certified by the Contractor -C40

CONS-C40-1 Punchlist and Substantial Completion -C40
Demolition-C40
CONS-C40-1 Removal of Old Fire Alarm System -C40

CONS-C40-1 Decommissioning of existing FA system-C40

CONS-C40-1 Remove excessive wire and conduits-C40

CONS-C40-1 Fire Marshall approval -C40

CONS-C40-1 BART Acceptance -C40

CONS-C40-2 Demobilization for - R20

TEST-1020 Final Acceptance

TEST-1030 Weather Days

TEST-1000

■ TEST-1010

Final Testing & Commessioning

CONS-C40-1: Installing and testing Remote monitoring system tied to BAR OSY -C40

CONS-C40-1 Connection to existing Tamper and Water-flow switches -C40

CONS-C40-1 Connection to existing Tamper and Water-flow switches-C40

Final testing Commissioning Computer monitoring System
Overall Substantial Completion



#### Bart Fire Alarm Replacement Phase 3. HSE CPM SCHEDULING CONSULTANTS **PATRIOT** CONS-M20- Scanning - M20 (Concourse Free Area) Jan/18/24 CONS-M20- Core Drilling - M20 (Concourse Free Area 3 Jan/22/24 Jan/24/24 CONS-M20- Install Conduits & Boxes -M20 (Concourse Free Area) (4-7) 7 Jan/25/24 CONS-M20- Install Conduits & Boxes -M20 (Concourse Free Area) BART Primary Paid Area (7-11) 7 Feb/05/24 Feb/13/24 CONS-M20- Install Notification Appliances -M20 (Concourse Free Area) 3 Feb/20/24 Feb/22/24 Concourse East-MZ0 CONS-M20- Install Conduits & Boxes -M20 (Concourse East) Muni Secondry Paid Area CONS-M20- Install Conduits & Boxes -M20 (Concourse East) (18-21) 6 Mar/04/24 Mar/11/24 CONS-M20- Pulling of Communication Wire (Fiber/Ethernet)-M20 (Concourse East) 3 Mar/12/24 Mar/14/24 CONS-M20- Install Notification Appliances -M20 (Concourse East) Muni Level -M20 CONS-M20- Install Conduits & Boxes -M20 (Muni Concourse) 15 Mar/15/24 Apr/04/24 CONS-M20- Installation of FACU , IRC, Amplifier, Sub FACU and Panels -M20 (Muni Concourse 5 Jun/07/24 Jun/13/24 CONS-M20- Install Conduits & Boxes -M20 (Muni Platform) CONS-M20- Install & Pull Fire Alarm Cables -M20 (Muni Platform) 8 Apr/26/24 May/07/24 CONS-M20- Pulling of Communication Wire (Fiber/Ethernet)-M20 (Muni Platform) CONS-M20- Install Smoke and Heat Detectors -M20 (Muni Platform) 5 May/03/24 May/09/24 Platform Level-M20 South Platform -M20 CONS-M20- Install Conduits & Boxes -M20 (South Platform) CONS-M20- Install & Pull Fire Alarm Cables -M20 (South Platfor 10 May/24/24 Jun/07/24 CONS-M20- Install Smoke and Heat Detectors -M20 (South Platform) Testing & Commissioning-M20 CONS-M20-1 Pre-testing by Contractor to be ready for testing in prescene of BART-M20 2 Jun/14/24 CONS-M20-1 Pre-testing by Contractor in presence of BART -M20 2 Jun/14/24 Jun/17/24 CONS-M20-1 Cutover and tie-in to existing BART facilities -M20 CONS-M20-1 Installing and testing Remote monitoring system tied to BAR OSY -M20 2 Jun/18/24 Jun/19/24 2 Jun/20/24 Jun/21/24 CONS-M20-1 NFPA72 checklist certified by the Contractor -M20 1 Jun/24/24 Jun/24/24 CONS-M20-1 Connection to existing Tamper and Water-flow switches-M20 5 Jun/25/24 CONS-M20-1 Fire Marshall approval -M20 2 JuV02/24 Jul/03/24 CONS-M20-1 BART Acceptance -M20 1 Jul/05/24 Jul/05/24 CONS-M20-1 Punchlist and Substantial Completion -M20 3 Jul/08/24 Jul/10/24 CONS-M20-1 Removal of Old Fire Alarm System -M20 10 Jul/11/24 Berkeley-R20 Concourse Level-R20 CONS-R20-1 Scanning -R20 2 Jul/18/24 Jul/19/24 □ CONS-R20-† Install Conduits & Boxes -R20 Sub ■ Walnut Creek-C40 18 Jul/18/24 Aug/12/24 Concourse Level-C40 CONS-C40-1| Scanning -C40 (Concourse Level) CONS-C40-1 Install Flow Switches -C40 (Concourse Level) 5 Sen/03/24 Sep/09/24 CONS-C40-1; Install Elevator( Escalator) Shutdown& Recall Modular-C40 (Concourse Level) 5 Sep/10/24 Sep/16/24 CONS-C40-1 Installation of FACU , IRC, Amplifier, Sub FACU and Panels -C40 (Concourse Level) Sep/17/24 CONS-C40-1: Paint Exposed Conduits -C40 (Concourse Level) 5 Sep/18/24 Sep/24/24 esting & Commissioning-C40 CONS-C40-1 Pre-testing by Contractor to be ready for tes CONS-C40-1: Pre-testing by Contractor in presence of BART -C40 2 Sep/27/24 Sep/30/24

Page 2 of 2	TASK filter: Critical.	
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5 Oct/01/24

2 Oct/08/24

5 Oct/10/24

2 Oct/17/24

4 Oct/21/24

2 Oct/25/24

20 Nov/05/24

5 Dec/05/24

5 Dec/12/24

10 Dec/19/24

20 Dec/19/24

20 Dec/24/24

17 Dec/31/24

20 Jan/17/25

Oct/07/24

Oct/09/24

Oct/16/24

Oct/18/24

Oct/24/24

Oct/28/24

Dec/04/24 Dec/11/24

Dec/18/24

Jan/03/25

Jan/17/25

Jan/23/25

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Feb/05/25





## 8. Production Durations (Crew Size and Quantity)

The durations of activities related to the Coliseum and Lake Merritt stations have been adjusted to accommodate the new construction start date of September 18, 2023. This shift in the start date is a result of delays in obtaining the necessary permits. As a consequence, the timelines for these activities have been recalculated to align with the updated construction commencement date.

#### 1. Coliseum Station

We have a team of six workers, divided into three groups of two. They will work for five hours in the concourse level areas and two hours at night at the platform level.

We'll begin by doing construction work on the walls and ceilings in the concourse level, specifically in the pedestrian underpass.

After that, we'll start pulling wires in the concourse level. Two workers will handle each area.

At the same time, all six workers will spend two hours each night pulling wires at the platform level.

Once all the wires are pulled and ready to be connected to the Fire Alarm panel, we'll turn off the power in panel LA124.

Next, we'll install the Fire Alarm devices in both the concourse and platform areas. Finally, we'll start testing and making sure everything works properly. This is the last step before the project is complete and the Fire Alarm system is ready to use.

#### 2. Lake Merritt Station

We have a team of 8 workers, split into 4 groups of 2. They'll work for 5 hours, and for 2 hours at the platform level each night.

We're kicking off by working on the overhead and wall rough-in in the Concourse Level.

Simultaneously, we're dedicating 2 hours every night to work at the Platform level.

In the next phase, we're moving on to pulling wires in the Concourse area. Two workers are assigned to each section. Additionally, all 8 workers are spending 2 hours each night installing rough-in components at the platform level.

As we transition to the installation of devices, we'll start with the Concourse area. Two workers will work for four days in each section, while all 8 workers will continue with 2-hour nightly shifts at the platform level to complete the rough-in installation.

Then comes the installation of devices, initially in the Concourse area, followed by the Platform level, including the substation

A key step is shutting down the power in panels LA75 and L01, which happens after installing the enclosures.





The final phase is testing and commissioning. We'll conduct testing for each area in the Concourse level in one day, and spend 2 hours each night at the platform level to install devices. We'll then proceed to test the platform level areas, ensuring everything works properly, and complete any necessary demolition work.

#### 3. San Leandro Station

We're planning to have a team of 8 workers, divided into 4 groups of 2 each. They'll work for 5 hours in the areas shown in the Schedule, with an additional 2 hours each night at the platform level each night.

The construction will start by working on the ceilings and walls in the Concourse Level. At the same time, we'll dedicate 2 hours every night to work at the Platform level.

In the next phase, we'll begin pulling wires in the Concourse area. Two workers will be assigned to each section. Simultaneously, all 8 workers will spend 2 hours each night working on the rough installation at the platform level.

Once the wires are in place, the installation of devices will kick off in the Concourse area. Two workers will be responsible for each section, working for four days. They will also spend 2 hours each night at the platform level, ensuring the rough installation is completed.

After Concourse, we'll proceed to install devices, first in the Concourse area and then at the Platform level, which includes the substation.

Following this, the testing and commissioning phase will commence. We'll test each area in the Concourse level.

We'll focus on testing the Platform level areas, ensuring that all work is completed and addressing any potential demolition needs. This comprehensive approach ensures that the project progresses smoothly towards successful completion.

### 4. Montgomery Station

We're planning to have a team of 20 workers, divided into 10 groups of 2 each. They'll work for 5 hours each night in the areas shown in the Schedule, with an additional 2 hours each night at the platform level.

The construction will start by working on the ceilings and walls in the Concourse Level. At the same time, we'll dedicate 2 hours every night to work at the Platform level.

In the next phase, we'll begin pulling wires in the Concourse area. Four workers will be assigned to each section. Simultaneously, all 20 workers will spend 2 hours each night working on the rough installation at the platform level and the Muni levels.





Once the wires are in place, the installation of devices will kick off in the Concourse area. Four workers will be responsible for each section. All the twenty will also spend 2 hours each night at the platform level, ensuring the rough installation is completed.

After Concourse, we'll proceed to install devices, first in the Concourse area and then at the Platform level, which includes the substation.

Following this, the testing and commissioning phase will commence.

We'll focus on testing the Platform level areas, ensuring that all work is completed and addressing any potential demolition needs. This comprehensive approach ensures that the project progresses smoothly towards successful completion.

### 5. Berkeley and Walnut Creek Stations

For the successful completion of both the Berkeley and Walnut Creek Stations, our strategy revolves around a total of 24 dedicated workers,12 for each station, meticulously divided into 6 groups of 2. This collaborative team effort ensures a balanced and efficient workflow throughout the project. Each night, our skilled workforce will commit 5 hours of focused effort to the areas indicated in the Schedule for concourse level, supplemented by an additional 2 hours dedicated to tasks on the platform level.

The project's inception involves enhancing the aesthetics and structure of the Concourse Level. Simultaneously, we allocate 2 hours every night to the crucial tasks on the Platform level, maintaining a harmonious balance between the two.

In the following phase, we transition to the wire-pulling process within the Concourse area. Our approach assigns two adept workers to each section, ensuring precision and expediency. During this phase, all 12 team members invest 2 hours each night to carry out intricate rough installations on the platform, including the essential substation work at Berkeley.

With the wiring meticulously in place, the subsequent phase involves the installation of devices within the Concourse area. Here, teams of 4 skilled workers are assigned to each section, guaranteeing meticulous implementation. Simultaneously, the entire 12-member team dedicates 2 hours each night to platform-level tasks, ensuring the completion of rough installations.

Having accomplished the Concourse phase, our focus shifts seamlessly to device installation. Beginning with the Concourse area, we subsequently progress to the Platform level, encompassing vital components, including the substation.

The pivotal testing and commissioning phase follows suit. With a primary emphasis on the Platform level areas, we subject them to rigorous testing and thorough evaluations. This approach ensures the meticulous completion of all tasks while remaining flexible enough to address any unforeseen demolition requirements.

In summary, our approach combines the expertise of 24 dedicated workers, equally split between the Berkeley and Walnut Creek Stations, as outlined in the Schedule. This concerted effort, harmonizing





both Concourse and platform levels, guarantees a seamless and successful progression towards project completion.

## 9. Table for Device Quantities

	Lake Merritt	Montgomery	Coliseum	San Leandro	Walnut Creek	Berkley
FACU	2	1	1	1	1	2
Smoke Detectors	30	59	32	15	17	65
Heat Detectors	8	10	13	9	12	4
Pull stations	9	23	20	18	20	20
Control Module	43	44	32	33	30	44
Monitor Module	14	16	3	3	6	19
Ceiling Horn/Strob	66	124	30	18	22	126
Wall Horn/Strob	12	22	48	31	27	31
Ceiling Strobes	0	0	0	0	3	3
Ceiling Horn	2	62	0	0	0	0
Wall Strobe	4	6	3	3	4	0
Wall Speaker	0	6	10	15	16	0
Amplifiers	2	4	1	1	1	2
ANN Panel	1	1	1	1	1	2
Beam type Smoke	3	0	0	0	0	0
FAB (FA box)	3	4	3	2	2	6
IRC	2	1	1	1	1	2





## 10. Activity Codes

The Baseline is coded by Location, Responsibility and Bid Item as shown in the following screenshots.

Į.	HSE CONSULTANTS	Bart Fire Alarm Replace	ire Alarm Replacement Phase 3.					
Activity ID	Activity Name	Origina Duration	Start	Finish	Actual Start	Actual Finish	Total Floar	
Conduits		380	Apr/07/23	Oct/07/24			22	
Wires		383	Apr/07/23	Oct/14/24			22	
Switches		300	Oct/06/23	Dec/26/24			22	
FACU, Sub FA	ACU, AMP & IRC	329	Jun/06/23	Sep/23/24			43	
Smoke & Heat	t Detectors	269	Sep/27/23	Oct/18/24			26	
Manul Pull Star	tion & Addressables	309	Sep/27/23	Dec/17/24			30	
Notification Ap	pplience Circuit (NAC)	341	Jun/06/23	Oct/18/24			23	
■ Interface to Es	calators & Elevators	23	Oct/18/23	Sep/19/24			24	
THE THE TO LO			Oct/19/23	Sep/19/24			24	
Faregates		23.	OCC 19/23	Sep/19/24				
			Feb/06/23	Feb/05/25			0	
Faregates No 15IJ-130-B	HSE COMSCULTANTS	Bart Fire Alarm Replace	Feb/06/23	Feb/05/25			P	
Faregates No 15IJ-130-B	HSE CPM SCHEDULING CONSULTANTS	50:	Feb/06/23	Feb/05/25	Actual Start	Actual Finish	P	
Faregates No 15IJ-130-B	HSE COMSULTANTS  Activity Name	Bart Fire Alarm Replace	Feb/06/23	Feb/05/25	Actual Start	Actual Finish	P	
Faregates No 15IJ-130-B	HSE CPH SCHEDULING CONSULTANTS	Bart Fire Alarm Replace	Feb/06/23	Feb/05/25	Actual Start	Actual Finish	P. CO	
Faregates No 15IJ-130-B	HSE COMSULTANTS  Activity Name  ion tation	Bart Fire Alarm Replace Original Duration 144	Preb/06/23  Pement Ph  Start  Jun/08/23	Feb/05/25  nase 3.  Finish  Jan/06/24	Actual Start	Actual Finish	Total Floa	
Faregates No 15IJ-130-B Cotively D Coliseum Stati	HSE CPM SCHEDULING COMSULTANTS  Activity Name ton tation station	Bart Fire Alarm Replace Origina Duration 144 144 21:	Start Jun/08/23	Feb/05/25  nase 3.  Fnish  Jan/06/24  Jan/06/24	Actual Start	Actual Finish	Total Floa	
Faregates No 15IJ-130-B Coliseum Stati Lake merritt St San Leandro S	HSE CPM SCHEDULING COMSULTANTS  Activity Name  Activity Name  Station  Station  Station	Bart Fire Alarm Replace Original Duration 144 21.	Start Jun/08/23 Jun/08/23 Sep/19/23	Feb/05/25  nase 3.  Finish  Jan/06/24  Jan/06/24  Jul/22/24	Actual Start	Actual Finish	Total Floa	
Faregates No 15IJ-130-B Colivety D Coliseum Stati Lake merritt St San Leandro S Montgomery S	Activity Name  Activity Name  Activity Name  Itation  Station  Itation	Bart Fire Alarm Replace Original 144 144 211 223	Feb/06/23  Ement Pi  Start  Jun/08/23  Sep/19/23  Sep/19/23	Feb/05/25  Itase 3.  Finish  Jan/06/24  Jan/06/24  Jul/22/24  Aug/19/24	Actual Start	Actual Finish	Total Floa 9 0 136 62	





## BART RTS #018R2 - CPM Baseline Schedule COMMENT TABLE

	Appendix A - Open comments fro	m previous updates 018R0 a	and 018R1:
No	Comment	Contractor Response	District Response and Status
018-00.01	Missing narrative report.	R1: Attached.	R1: 6/20/2023 please make corrections on the narrative report per markups.  R2: This comment has been addressed and can be closed.
018-00.02	Explain what demolition and site preparation means. There should not be any demolition until the commissioning of the new system or during cutover from old to new system.	It was selective Demolition not Fire Alarm System demolition	This comment has been answered and can be closed.
018-00.03	The baseline schedule is missing the following important work activities: procurement and installation of the computer monitoring system, programming of the fire alarm system, interface to existing BART facilities (escalators, elevators, faregates, flow switches, tempers, fan shutdowns, etc.), installation of FACU and IRC, painting, core drilling, installation of enclosures, breaker tie-in, etc.  6/20/2023 see item #7	Reflected now	This comment has been addressed and can be closed.
018-00.04	Did not mention weather days and holidays.  6/20/2023 The calendar should not include weather days. This method should not be used for a BART contract because the BART GCs have a specific mechanism for counting and preserving weather days that is prevented by including weather days in a calendar.  Weather days are not included correctly. The Contractor should add an activity for Weather Day	Reflected Now,	This comment has been addressed and can be closed.





	Allowance. This activity should be on the Critical Path.		
018-00.05	Include line items for submittals such as baseline schedule, shop drawings, as-builts for each station, O&M manuals, training manuals, etc. Include estimated review date and approval.	Reflected now	This comment has been addressed and can be closed.
018-00.06	Provide more details to install devices. Divide them to detectors, strobes and speakers, pull stations, beam detectors, control and monitor modules. Include number of devices in the area for reference.  6/20/2023 Please doublecheck and verify quantities. For examples, 32 smoke detectors in Coliseum is incorrect.	The R2 narrative does include the table for device quantities by Station	The R1 narrative does not appear to include the table for device quantities by Station Location. This comment remains open for discussion.
018-00.07	Include line items for the installation of FACU, IRC, Amplifier, sub FACU, etc.  6/20/23 no mentioning of IRC, Amplifier, sub FACU. Please add.	Reflected now - DESCRIPTION MODIFIED, AT 2 STATIONS (R30, A10)	This comment has been addressed and can be closed.
018-00.08	Include line item for pulling of communication wire (fiber/ethernet).	We did considered Fiber pulling as of Pulling wire activity  We added a line item for pulling of communication wire (fiber/ethernet).	Contractor is requested to add separate activities for FO cable. This comment is open.
018-00.09	Include line item for substantial completion including computer monitoring system for each station.	Consider as part of Final Testing and Commissioning.	This comment has been addressed and can be closed.
018-00.10	Include line items for pre-testing (before real test), Fire Marshal and BART acceptance, punch-list, final inspection and final acceptance for each station.	Reflected now	This comment has been partially addressed and will be closed. Please see new comment regarding punchlist.





018-00.11	Procurement activity's duration does not seem realistic. Please provide a more detailed assessment on procurement including what is being procured.  6/20/2023 See item #26, 27, 28  Milestone #1 finish date should be 1/6/2024 or earlier according to the Contract. Adjust on the baseline schedule item A1030.	Confirmed- REQUEST BATTERIES TO BE SPLIT OUT, (batteries included in shipment)  Corrected  Comment adjusted	This comment has been partially addressed and will be closed. Please see new comment regarding punchlist.  This comment remains open pending action.
018-00.13	Submittal submission dates and approval dates are unrealistic, some have already passed without submittal or approval.  6/20/2023 Submission dates and approval dates are unrealistic upon the current status of the project.  Construction start dates are also unrealistic upon the current status of the project. It is likely for construction to start in A30 toward end of July. Please adjust the dates and resubmit.	Confirmed  The dates adjusted to be realistic as much as we can. Consider that some submittals have already been submitted.	Contractor has action to revise the CPM schedule for completing the submittal process and starting field work. Contractor's schedule shows field work commencing in June 2023. This date is unrealistic. The baseline schedule should show a realistic date for starting construction in September 2023. This comment is
018-00.14	Please review and fulfill all requirements on 01 32 16 in terms of Contract Schedule.  6/20/2023 See item #16	Reviewed	open. This comment has been answered and can be closed. Specified requirements not fully addressed in the submittal are called out in other open comments.
018-00.15	Include line items for overall substantial completion and final acceptance  6/20/2023 The schedule provided does not comply with key items in the contract specification 01 32 16	Reflected now, Considered as Final Commissioning and testing  No response provided in R1 narrative.	This comment has been partially addressed and will be closed. Please see new comment regarding punchlist. This comment has been addressed and can be closed.





	including: Work needs to be broken out by station. Contractor should not have combined submittals for A30 & A10 together in the same activity. We can have an activity to approve a product data item for multiple stations (general) but we cannot accept an SSWP or a shop drawing for multiple stations.		
018-01.17	6/20/2023 Work needs to be coded and broken out by location. Contractor should include a project activity code for location to a greater detail then Station location. i.e. Concourse, Platform, Equipment room, etc. (or break down by drawings)	No response provided in R1 narrative.  Activity Codes are now reflected on the R2 narrative	This comment has been partially addressed and remains open pending action.
018-01.18	6/20/2023 Work needs to be coded and broken out by responsible party. A Project Activity Code should be used to assign work to each Subcontractor listed in the bid form and BART for review activities.	No response provided in R1 narrative.  Activity Codes are now reflected on the R2 narrative	This comment has been partially addressed and remains open pending action.
018-01.19	6/20/2023 Work needs to be coded and broken out by Bid Item. The bid item coding should match the bid items in the contract	No response provided in R1 narrative.	This comment has been addressed and can be closed. The Engineer reserves the right to ask for additional bid item coding on progress updates, if needed.
018-01.20	6/20/2023 Calendars are not correct. Contractor should use two calendars for work: 7 day no holidays for paperwork and procurement 5 days with BART holidays for field construction	No response provided in R1 narrative.	This comment has been addressed and can be closed. See separate comments on electrical trade blockout dates.
018-01.21	6/20/2023 Contractor should use Project Calendars, not Global ones.	No response provided in R1 narrative.	This comment has been addressed and can be closed.
018-01.22	6/20/2023 Review and Approval durations are not correct. Contractor must give BART 30 calendar days for submittal review	No response provided in R1 narrative.	This comment has been addressed and can be closed.





018-01.23	and 42 Calendar Days for SSWP Submittal review. While, not a contract requirement, Contractor should realistically include two review cycles for each submittal.  6/20/2023 Schedule does not include all of the scope required under the contract. For submittals, it would be helpful to compare these activities to their latest CDRL.	No response provided in R1 narrative.	This comment has been addressed and can be closed. The Engineer reserves the right to ask for additional activiites on progress updates, if
018-01.24	6/20/2023 The activity lagging relationships for Pull wire activities are not correct and should not be accepted.	No response provided in R1 narrative.  Corrected as much as possible as agreed.  Table for the SS relations is included with the submittal package.	needed.  This comment is open pending action.
018-01.25	6/20/2023 Field work is not always tied back to a procurement activity.	No response provided in R1 narrative.  Adjusted.	This comment is partially addressed and remains open pending action.
018-01.26	6/20/2023 We question the logic of having three separate procurement activities for each procurement item, especially when they are mostly the same. For purchasing purposes, the Contractor should buy-out all cabling at one time. The Contractor might want the supplier to deliver the materials at three separate times, but that is not what is shown or described in the narrative.	No response provided in R1 narrative.	This comment is withdrawn and can be closed.
018-01.27	6/20/2023 Fab & Deliver Procurement activities should be tied to all six successor activities,	No response provided in R1 narrative.	This commend has been addressed and can be closed.





	not just the first two. Include activities for "procurement of misc. material" in order to account for any outstanding procurement items.		
018-01.28	6/20/2023 Long lead items are not adequately address. Battery procurement duration should be looked at. The activity to Fab. & Deliver FACU including "(Batteries, Elev. Capture & Recall, Escalator Shutdown modular and fare gate Modular) -A40" (PC-S-P-A40-1030) should be split out. This procurement will come from multiple vendors at multiple times and will impact different field activities.	No response provided in R1 narrative.	This comment has been addressed and can be closed.
018-01.29	6/20/2023 Contractor should run spell check on their work.	No response provided in R1 narrative.  adjusted	This comment is open pending action.
018-01.30	6/20/2023 Procurement successor lags are not right.	No response provided in R1 narrative.  adjusted	The use of an activity relationship with a positive lag is allowed subject to the approval by the Engineer. See Specification 01 32 16 Part 1, Subsection 1.07.G. The Engineer has reviewed this logic is disinclined to accept start-to-start logic ties with positive lags. All successor ties with a start to start logic tie with a lag should be changed to a finishto-start logic tie with no lag. This comment is open pending action.
018-01.31	6/20/2023 Cutover, testing and commissioning process is not thoroughly presented. For each station include the following	No response provided in R1 narrative.	This comment has been addressed and can be closed. See





	activities: - Pre-testing by Contractor to be ready for testing in presence of BART - Pre-testing by Contractor in presence of BART - Cutover (for some station, old FA system need to be demoed) and tie-in to existing BART facilities - Installing and testing Remote monitoring system tied to BAR OSY - NFPA72 checklist certified by the Contractor - Fire Marshall approval - BART Acceptance - Punchlist and Substantial Completion		new comment on punchlist.
018-01.32	6/20/2023 For A40, C40 and M20, Contractor needs to install new FACU at temporary location, conduct pretesting, demo existing FACU, relocate new FACU, conduct another pretest before official test. This is not yet captured in the baseline schedule.	No response provided in R1 narrative.	With the inclusion of "Temporary Fire Alarm System Installation", this comment has been addressed and can be closed. See new comments regarding cut-overs and fire watch.





Appendix A1 - New Comments from this Update 00R2:							
No	Comment	Contractor Response					
018-02.33	Contractor is requested to add a Finish-on-or-before constraint date to activity MS-1010 - Completion of 2 Stations, with a date value of 1/6/24, and relabel the Activity Name "Final Acceptance of 2 stations".	Done					
018-02.34	Contractor is requested to add a Finish-on-or-before constraint date to activity MS-1030 - Completion of 4 Stations, with a date value of 8/6/24, and relabel the Activity Name "Final Acceptance of 4 stations".	Done					
018-02.35	Contractor is requested to relabel "Punchlist" as "Punchlist for Fire Marsal acceptance" and add six Owner Punchlist activities.  Owner punchlist activities should be completed prior to Substantial Completion.  Owner punchlist should follow demolition and all other work required for Substantial Completion. See Specification 01 32 16, Part 1, Subsection 1.07.B.7.f.	Done					
018-02.36	Contractor is requested to revise the baseline schedule to realistically reflect the likely planned start date for construction in September 2023.	Done					
018-02.37	Contractor is requested to add a Finish on or Before constraint date to activity MS-1040 - Completion of 6 Stations, with a date value of 2/5/25, and relabel the Activity Name "Final Acceptance of 6 stations".	Done					
018-02.38	Contractor is requested to block-out Electrician's "Black Fridays" to the 5-day Workday with Holidays calendar.	The Black Fridays is not included in BART holidays.					
018-02.39	Contractor is requested to change the 5-day work calendar for Memorial Day from Wednesday, May 29, 2024 to Monday, May 27, 2024.	Done					
018-02.40	Contractor should add a calendar for weekend blanket work.	Done					
018-02.41	Contractor is requested to revise the Project Activity Codes to be unique to this project. It is suggested that "Responsibility" becomes 15IJ-130-RESP, "Bid Item" becomes 15IJ-130-BID-ITEM, and that "Location" becomes 15IJ-130-LOC.	Done					
018-02.42	Contractor needs to add activities for; prepare and submittal Coring locations after scanning, and review and approval coring locations, prior to core drilling.	Done					





018-02.43	Contractor is requested to revise its schedule relationship ties from start-to-start to finish-to-start.	Done as possible
018-02.44	Contractor is requested to add weekend blanket activities for shutdowns.	The Contractor approved there will be no testing on the weekends. However, the calendar is added just in case.
018-02.45	Contractor is requested to add activities for fire watch.	Done





### 11. Conclusion

#### Scope of Work:

This project provides a complete replacement of the fire alarm system for the following bay area rapid transit district (BART) passenger stations:

A10-LAKE MERRITT STATION

A30-COLISEUM STATION

A40-SAN LEANDRO STATION

C40-WALNUT CREEK STATION

M20-MONTGOMERY STATION

**R20-BERKELEY STATION** 

The design utilizes a new addressable fire alarm control unit (FACU) with voice evacuation/notification, photoelectric smoke detectors and heat detectors, manual fire alarm pull stations, audible/visual occupant notification appliances, visual occupant notification appliances, and audible occupant notification appliances.

### **Key Dates:**

Item	Baseline Dates
NTP	Feb/06/2023
Final Acceptance of 2 Stations	Jan/06/2024
Final Acceptance of 4 Stations	Aug/06/2024
Final Acceptance of 6 Stations	Feb/05/2025
Final Completion and Acceptance	Feb/05/2025
Submittals End Date	May/30/2024
Start Milestone for - A30	Sep/18/2023
Start Milestone for - A10	Sep/25/2023
Start Milestone for - A40	Jan/16/2024
Start Milestone for - M20	Jan/18/2024
Start Milestone for - R20	Jul/18/2024
Start Milestone for - C40	Jul/22/2024

#### Calendars:

This section contains details on the calendars which are assigned on all activities. The calendar usage and assignment demonstrate that the builder has taken into account all official Weekends specified by the contract, and has scheduled the project activities efficiently to minimize any risk on project completion. The Calendars used in this project are:

<u>Bart 5 WD</u>: the calendar is based on a 5-day week and recognizes weekends as non-working days and is assigned to procurement and construction activities. District recognized holidays are as follows:

- New Year's Day January 1
- Dr. Martin Luther King, Jr. Day First Monday after January 15





- President's Day Third Monday in February
- Memorial Day Last Monday in May
- Independence Day July 4
- Labor Day First Monday in September
- 7. Veteran's Day November 11
- Thanksgiving Day Fourth Thursday in November
- Christmas Day December 25
- 14 Weather Days.

### Critical path:

The critical path of the project is driven by the preconstruction phase and submittals going through the construction phase for every station.

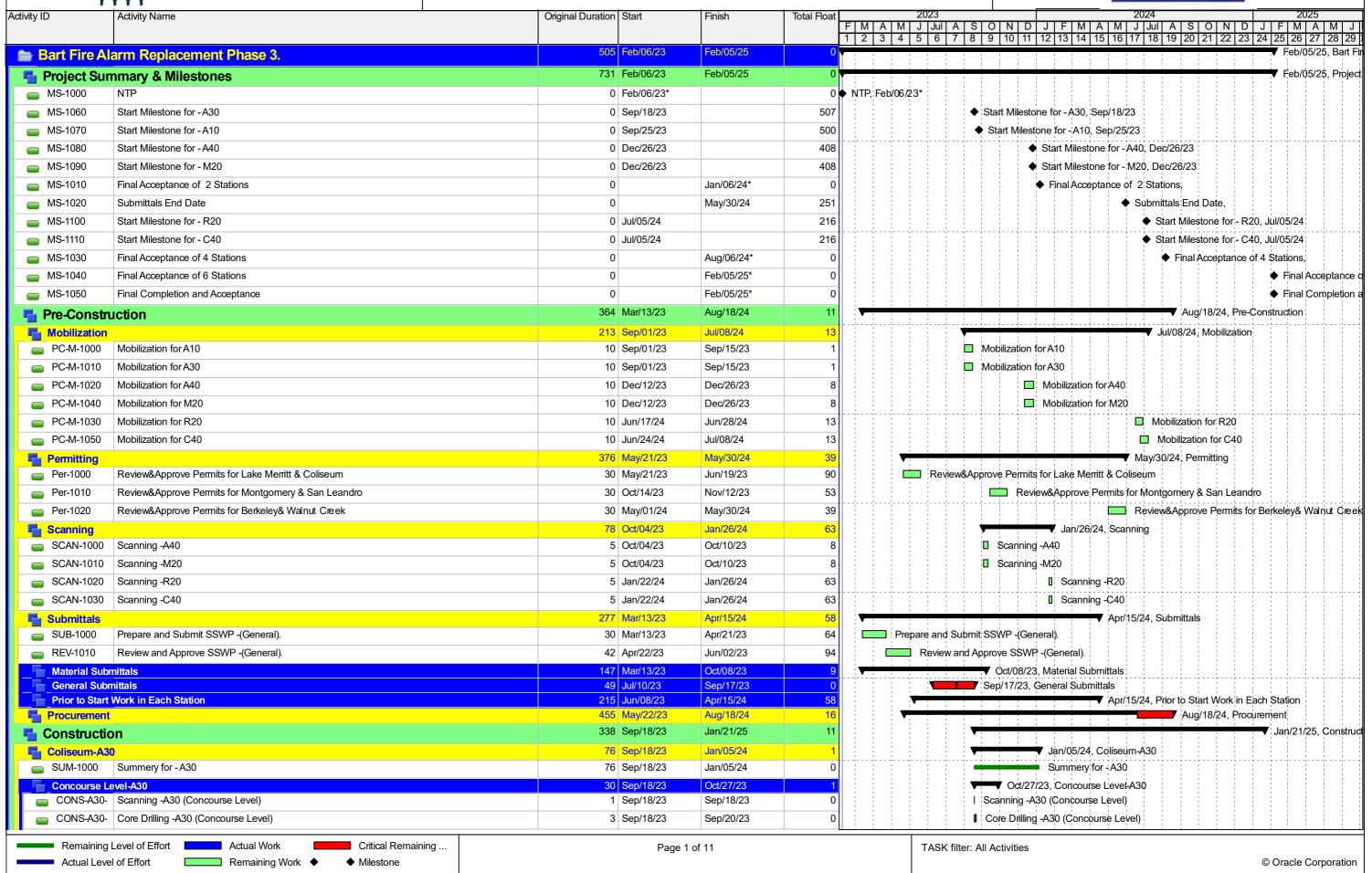




## Baseline Schedule









Actual Level of Effort

Remaining Work •

Milestone



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100 00	Activity Name	Original Duration	Ctort	Tinioh	Total Floor	. l	20	73	2024 2025
Activity ID	Activity Name	Original Duration	Start	Finish	Total Floa	F M A	M J	Jul A S	O N D J F M A M J Jul A S O N D J F M A M J 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
CONS-A30-	Install Conduits & Boxes -A30 (Concourse Level) - Free Area	7	Sep/19/23	Sep/27/23			. [ -		Install Conduits & Boxes -A30 (Concourse Level) - Free Area
CONS-A30-	Install Conduits & Boxes -A30 (Concourse Level) - Paid Area	7	Sep/28/23	Oct/06/23		1		· · · · · · · · · · · · · · · · · · ·	Install Conduits & Boxes -A30 (Concourse Level) - Paid Area
CONS-A30-	Install Conduits & Boxes -A30 (Concourse Level) - (FAN- Battery- Train Control) Roo	oms 6	Sep/28/23	Oct/05/23		1	:		Install Conduits & Boxes -A30 (Concourse Level) - (FAN-Battery-Train Control) Room
CONS-A30-	Pulling of Communication Wire (Fiber/Ethernet) (Concourse Level)	4	Sep/28/23	Oct/03/23		7	:		Pulling of Communication Wire (Fiber/Ethernet) (Concourse Level)
_	Install & Pull Fire Alarm Cables -A30 (Concourse Level)	4	Oct/06/23	Oct/11/23					Install & Pull Fire Alarm Cables -A30 (Concourse Level)
CONS-A30-	Install Manual Fire Alarm Pull Station -A30 (Concourse Level)	3	3 Oct/12/23	Oct/16/23					Install Manual Fire Alarm Pull Station -A30 (Concourse Level)
	Install Smoke and Heat Detectors -A30 (Concourse Level)	3	3 Oct/13/23	Oct/17/23		5			I Install Smoke and Heat Detectors -A30 (Concourse Level)
	Install Flow Switches -A30 (Concourse Level)		3 Oct/13/23	Oct/17/23		5			Install Flow Switches -A30 (Concourse Level)
_	Install Notification Appliances -A30 (Concourse Level)		3 Oct/13/23	Oct/17/23					Install Notification Appliances -A30 (Concourse Level)
	Install Elevator & Escalator Shutdown& Recall Modular-A30 (Concourse Level)		2 Oct/18/23	Oct/19/23			:		I Install Elevator & Escalator Shutdown& Recall Modular-A30 (Concourse Level)
_	Paint Exposed Conduits -A30 (Concourse Level)		Oct/19/23	Oct/19/23		7	:		I Paint Exposed Conduits +A30 (Concourse Level)
	Install Faregate Control & Emergency Barrier Opening-A30 (Concourse Level)		Oct/19/23	Oct/20/23					I Install Faregate Control & Emergency Barrier Opening-A30 (Concourse Level)
_	Installation of FACU , IRC, Amplifier, Sub FACUA30 (Concourse Level)		Oct/19/23	Oct/27/23			:		Installation of FACU, IRC, Amplifier, Sub FACU, A30 (Concourse Level)
			Sep/19/23	Oct/11/23	1				▼ Oct/11/23. Parking Bridge
Parking Bride	Install Conduits & Boxes -A30 (Parking Bridge)		Sep/19/23 Sep/19/23	Sep/28/23	1.	7	:	1 1 1	Install Conduits & Boxes -A30 (Parking Bridge)
_	Install & Pull Fire Alarm Cables -A30 (Parking Bridge)		Sep/29/23	Oct/05/23	1				Install & Pull Fire Alarm Cables A30 (Parking Bridge)
_	Pulling of Communication Wire (Fiber/Ethemet) (Parking Bridge)		Sep/29/23	Oct/04/23	1:				Pulling of Communication Wire (Fiber/Ethernet) (Parking Bridge)
	Install Smoke and Heat Detectors -A30 (Parking Bridge)		2 Oct/06/23	Oct/09/23	1:	_ : : :			■ Install Smoke and Heat Detectors A30 (Parking Bridge):
_	Install Flow Switches -A30 (Parking Bridge)		Oct/06/23	Oct/09/23	1:		:		Install Flow Switches -A30 (Parking Bridge)
_	, , ,		Oct/06/23	Oct/06/23	1:	_ : : :	:	: : :	
_	Install Notification Appliances -A30 (Parking Bridge)					- : : :	:		I Install Notification Appliances -A30 (Parking Bridge)
SAB	Install Manual Fire Alarm Pull Station -A30 (Parking Bridge)		2 Oct/10/23 2 Sep/19/23	Oct/11/23 Oct/18/23	1				Install Manual Fire Alarm Pull Station -A30 (Parking Bridge)  ▼ Oct/18/23, SAB
	Install Conduits & Boxes -A30 (SAB)		Sep/19/23	Sep/22/23		0			Install Conduits & Boxes -A30 (SAB)
CONS-A30	Install & Pull Fire Alarm Cables -A30 (SAB)	2	Sep/25/23	Sep/26/23					Install & Pull Fire Alarm Cables -A30 (SAB)
CONS-A30	Pulling of Communication Wire (Fiber/Ethemet) (SAB)	2	Sep/25/23	Sep/26/23			:		Pulling of Communication Wire (Fiber/Ethemet) (SAB)
CONS-A30	Install Smoke and Heat Detectors -A30 (SAB)	2	Sep/27/23	Sep/28/23	2		:		Install Smoke and Heat Detectors -A30 (SAB)
CONS-A30	Install Manual Fire Alarm Pull Station -A30 (SAB)	2	Sep/27/23	Sep/28/23	2				Install Manual Fire Alarm Pull Station -A30 (SAB)
CONS-A30	Install Notification Appliances -A30 (SAB)	2	Sep/27/23	Sep/28/23	2		:		Install Notification Appliances -A30 (SAB)
CONS-A30	Install Flow Switches -A30 (SAB)	2	Oct/17/23	Oct/18/23		5			I Install Flow Switches -A30 (SAB)
Platform Level	I-A30	23	Sep/28/23	Oct/30/23				•	Oct/30/23, Platform Level-A30
CONS-A30-	Install Conduits & Boxes -A30 (Platform Level)	10	Sep/28/23	Oct/11/23		)			Install Conduits & Boxes -A30 (Platform Level)
CONS-A30-	Install & Pull Fire Alarm Cables -A30 (Platform Level)	8	Oct/12/23	Oct/23/23		)			■ Install & Pull Fire Alarm Cables -A30 (Platform Level)
CONS-A30-	Pulling of Communication Wire (Fiber/Ethernet) (Platform Level)	2	Oct/12/23	Oct/13/23		3			l Pulling of Communication Wire (Fiber/Ethernet) (Platform Level)
CONS-A30-	Install Manual Fire Alarm Pull Station -A30 (Platform Level)	3	Oct/19/23	Oct/23/23		1			I Install Manual Fire Alarm Pull Station -A30 (Platform Level)
CONS-A30-	Install Smoke and Heat Detectors -A30 (Platform Level)	3	Oct/24/23	Oct/26/23		ī			I Install Smoke and Heat Detectors -A30 (Platform Level)
CONS-A30-	Install Notification Appliances -A30 (Platform Level)	3	Oct/24/23	Oct/26/23			:		I Install Notification Appliances -A30 (Platform Level)
CONS-A30-	Paint Exposed Conduits -A30 (Platform Level)	2	Oct/27/23	Oct/30/23					Paint Exposed Conduits -A30 (Platform Level)
	nmissioning-A30	12	Oct/30/23	Nov/15/23			:		Nov/15/23, Testing & Commissioning A30
CONS-A30-	Pre-testing by Contractor to be ready for testing in prescene of BART -A30	1	Oct/30/23	Oct/30/23					Pre-testing by Contractor to be ready for testing in prescene of BART-A30
CONS-A30-	Pre-testing by Contractor in presence of BART -A30	1	Oct/31/23	Oct/31/23					Pre-testing by Contractor in presence of BART -A30
CONS-A30-	Installing and testing Remote monitoring system tied to BAR OSY -A30	2	Nov/01/23	Nov/02/23					Installing and testing Remote monitoring system tied to BAR OSY -A30
CONS-A30-	NFPA72 checklist certified by the Contractor -A30	1	Nov/03/23	Nov/03/23				,	I NFPA72 checklist certified by the Contractor;-A30
CONS-A30-	FireWatch Inspection -A30	2	Nov/03/23	Nov/06/23		3	:		□ FireWatch Inspection -A30
CONS-A30-	Connection to existing Tamper and Water-flow switches-A30	2	Nov/06/23	Nov/07/23		D :	:		Connection to existing Tamperand Water-flow switches-A30
Remaining L	Level of Effort Actual Work Critical Remaining		Page	2 of 11			Т	ASK filter: A	Il Activities

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work •

Critical Remaining ...

Milestone

### Bart Fire Alarm Replacement Phase 3.



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ctivity ID	Activity Name	Original Duration	Start	Finish	Total Float		20	23		2024		2025
SIVILY ID	reduity (Vallie	Oliginal Bulation	Otart	THISH	lotarrioat	F M A	M J	Jul A S		J F M A M J Jul A	O N D	J F M A M
— CONS-430-	Fire Marshall approval -A30	2	Nov/08/23	Nov/09/23	0	1 2 3	4   5	6 7 8		12   13   14   15   16   17   18   19   2 Marshall approval -A30	0 21 22 23 2	24   25   26   27   28   2
	BART Acceptance -A30		Nov/10/23	Nov/10/23	0		: :	: : : : : : : : :	: : :	T Acceptance -A30		
	Patriot Request Punchlist for Substantial Completion -A30		Nov/14/23	Nov/15/23	0				(;;	riot Request Punchlist for Substantial	Completion A2	
Demolition-A	i i				20				: : :		Completion -As	
	Removal of Old Fire Alarm System -A30		Nov/16/23 Nov/16/23	Dec/07/23 Dec/07/23	5					Dec/07/23, Demolition-A30 Removal of Old Fire Alarm System -A	30	
	Removal of FA Devices -A30	_	Nov/16/23	Nov/22/23	15					emoval of FA Devices -A30		
	Remove excessive wire and conduits-A30		Nov/24/23	Dec/07/23	20				: : -:	Remove excessive wire and conduits	A30	
	Decommissioning of existing FA system-A30		Nov/24/23	Nov/30/23	15		÷÷			Decommissioning of existing FA system		
	Punchlist -A30		Dec/01/23	Dec/07/23	19					Punchlist A30		
Close-Out-A3			Nov/16/23	Jan/05/24	0				: : -	▼ Jan/05/24, Close-Out-A30		
	Prepare and submit final as-built Drawings -A30		Nov/16/23	Dec/07/23	0			: : : : : : : : :		Prepare and submit final as-built Dray	inas -A30	
	Training Manuals -A30		Dec/08/23	Dec/14/23	0			: : : : : :		Training Manuals -A30		
	O&M Manuals -A30		Dec/15/23	Dec/21/23	0					O&M Manuals -A30		
	Substantial Completion -A30	0		Dec/21/23	q				: : :	Substantial Completion -A30,		
	Approval of As-built Drawings -A30	15	Dec/22/23	Jan/05/24	n					Approval of As-built Drawings -A3		
	Demobilization for A30		Dec/22/23	Jan/05/24	0					Demobilization for A30		
	Final Acceptance -A30	0	DCGZZ/ZO	Jan/05/24	1					♦ Final Acceptance -A30.		
Lake Merritt-A	·	71	Sep/25/23	Jan/06/24	0					▼ Jan/06/24, Lake Merritt-A10		
	Summery for -A10		Sep/25/23	Jan/05/24	0				' ! ! ! ! !	Summery for -A10		
Concourse Le			Sep/25/23	Nov/10/23	0				Nov	/10/23, Concourse Level -A10		
	Scanning -A10 (Lake Merritt)		Sep/25/23	Sep/25/23	0			i		-A10 (Lake Merritt)		
	Install Conduits & Boxes -A10 (Concourse Level) Paid Area	6	Sep/26/23	Oct/03/23	0			i i i		nduits & Boxes -A10 (Concourse Lev	el) Paid Area	
	Core Drilling -A10 (Lake Merritt)		Sep/26/23	Sep/27/23	0					ng -A10 (Lake Merritt)		
	Install Conduits & Boxes -A10 (Concourse Level) Elec. Room, Storage, Offices and Break Room		Sep/26/23	Oct/03/23	0				: : :	nduits & Boxes -A10 (Concourse Lev	el) Elec. Room,	Storage, Offices and
	Install & Pull Fire Alarm Cables -A10 (Concourse Level)		Oct/04/23	Oct/10/23	0					Pull Fire Alarm Cables -A10 (Concou	1 1 1 1	
	Pulling of Communication Wire (Fiber/Ethernet) -A10 (Concourse Level)		Oct/04/23	Oct/10/23	0					f Communication Wire (Fiber/Etherne		rse Level)
	Install Smoke and Heat Detectors -A10 (Concourse Level)		Oct/18/23	Oct/19/23	11		: :	: : : : : :	: : :	Smoke and Heat Detectors -A10 (Cor		
	Install Flow Switches -A10 (Concourse Level)		Oct/18/23	Oct/19/23	11					Flow Switches -A10 (Concourse Level		
	Install Manual Fire Alarm Pull Station -A10 (Concourse Level)		Oct/24/23	Oct/25/23	7					Manual Fire Alarm Pull Station -A10 (		n
	Install Notification Appliances -A10 (Concourse Level)		Oct/24/23	Oct/25/23	4					Notification Appliances -A10 (Concou		"
_	Install Faregate Control & Emergency Barrier Opening-A10 (Concourse Level)		Oct/26/23	Oct/27/23	7					Faregate Control & Emergency Barri		(Concourse Level)
_	Install Elevator (Escalator) Shutdown& Recall Modular-A10 (Concourse Level)		Oct/31/23	Nov/01/23	4				: : :	l Elevator (Escalator) Shutdown& Rec		
	Installation of FACU, IRC, Amplifier, Sub FACU and Panels -A10 (Concourse Level)		Nov/08/23	Nov/10/23	0				,	allation of FACU , IRC, Amplifier, Sub		
	Paint Exposed Conduits -A10 (Concourse Level)		Nov/10/23	Nov/10/23	0			: : : : : : : : :		all all of the conduits and (Concourse)		
Concourse F	· · · · · · · · · · · · · · · · · · ·		Oct/04/23	Oct/26/23	0					3/23, Concourse Free Area -A10	, EGVGI)	
	Install Conduits & Boxes -A10 (Concourse Free Area)		Oct/04/23	Oct/17/23	0		: :			Conduits & Boxes -A10 (Concourse F	ee Area)	
	Install & Pull Fire Alarm Cables -A10 (Concourse Free Area)		Oct/18/23	Oct/24/23	8		: :			& Pull Fire Alarm Cables -A10 (Conco	1 1 1 1	
	Pulling of Communication Wire (Fiber/Ethemet) -A10 (Concourse Free Area)		Oct/18/23	Oct/24/23	R R					of Communication Wire (Fiber/Ether		ourse Free Area)
	Install Smoke and Heat Detectors -A10 (Concourse Free Area)		Oct/23/23	Oct/24/23	10				i i i	Smoke and Heat Detectors -A10 (Co		
	Install Flow Switches -A10 (Concourse Free Area)		Oct/23/23	Oct/24/23	10				: : :	Flow Switches -A10 (Concourse Free		/
	Install Manual Fire Alarm Pull Station -A10 (Concourse Free Area)		Oct/25/23	Oct/26/23	0					Manual Fire Alarm Pull Station -A10 (		Διέα
	· ·				0				: : :			ruca)
	Install Notification Appliances -A10 (Concourse Free Area)		Oct/25/23	Oct/26/23	8			: ::::		Notification Appliances -A10 (Concou	ise Life Wea)	
SAB-A10	Install Conduits & Boxes -A10 (SAB)		Oct/18/23 Oct/18/23	Nov/07/23 Oct/26/23	0			: : : : : : : : :		07/23, SAB-A10 Conduits & Boxes -A10 (SAB)		
- CONOAIC	THORE CONTINUE & DONOR THE (OT D)		300 10/20	J00/20/20	0		1 1		motali	Conductor Dove to the COUNTY		

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TASK filter: All Activities



vity ID Activity Name	Original Duration	Start	Finish	Total Float	2023	2024 2025
Totality Halile	Oliginal Bulation	Otan	T II IIOT	lotal i loa	FMAMJJulASC	)
CONS-A1( Install & Pull Fire Alarm Cables -A10 (SAB)	5	Oct/27/23	Nov/02/23		1 2 3 4 5 6 7 8 9	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 Install & Pull Fire Alarm Cables -A10 (SAB)
CONS-A1( Pulling of Communication Wire (Fiber/Ethemet) -A10 (SAB)		Oct/27/23	Nov/02/23			☐ Pulling of Communication Wire (Fiber/Ethernet) -A10 (SAB)
CONS-A1( Install Smoke and Heat Detectors -A10 (SAB)		Nov/03/23	Nov/06/23	1		Il Install Smoke and Heat Detectors -A10 (SAB)
CONS-A10 Install Flow Switches -A10 (SAB)		Nov/03/23	Nov/06/23	1		Install Flow Switches -A10 (SAB)
CONS-A1( Install Manual Fire Alarm Pull Station -A10 (SAB)		Nov/06/23	Nov/07/23	,		I Install Manual Fire Alarm Pull Station -A10 (SAB)
CONS-A1 Install Notification Appliances -A10 (SAB)		Nov/06/23	Nov/07/23			I Install Notification Appliances -A10 (SAB)
Platform Level-A10			Nov/01/23		<u></u>	Nov/01/23, Platform Level-A10
CONS-A10- Install Conduits & Boxes -A10 (Platform Level)		Sep/26/23 Sep/26/23	Oct/05/23	18		Install Conduits & Boxes -A10 (Platform Level)
CONS-A10- Install & Pull Fire Alarm Cables -A10 (Platform Level)		Oct/06/23	Oct/11/23	18		Install & Pull Fire Alarm Cables -A10 (Platform Level)
CONS-A10- Pulling of Communication Wire (Fiber/Ethernet) -A10 (Platform Level)		Oct/06/23	Oct/11/23	18		Pulling of Communication Wire (Fiber/Ethernet)-A10 (Platform Level)
CONS-A10- Install Notification Appliances -A10 (Platform Level)		Oct/12/23	Oct/17/23	18		Install Notification Appliances -A10 (Platform Level)
CONS-A10- Install Smoke and Heat Detectors -A10 (Platform Level)		Oct/12/23	Oct/17/23	18		Install Smoke and Heat Detectors -A10 (Platform Level)
<u> </u>					_ : : : : : : : :	
CONS-A10- Install Manual Fire Alarm Pull Station -A10 (Platform Level)		Oct/13/23	Oct/17/23	18	<b></b>	Install Manual Fire Alarm Pull Station -A10 (Platform Level)
CONS-A10- Paint Exposed Conduits -A10 (Platform Level)		Oct/17/23	Oct/18/23	18		Paint Exposed Conduits -A10 (Platform Level)
Lake Merritt Substation -A10  CONS-A1( Install Conduits & Boxes -A10 Sub (Lake Merritt Substation)		Sep/26/23 Sep/26/23	Nov/01/23 Oct/09/23	7	7	▼ Nov/01/23, Lake Merritt Substation -A10 Install Conduits & Boxes -A10 Sub (Lake Merritt Substation)
CONS-A1( Install & Pull Fire Alarm Cables -A10 Sub (Lake Merritt Substation)		Oct/10/23	Oct/18/23	7		Install & Pull Fire Alarm Cables -A10 Sub (Lake Merritt Substation)
<del>_</del>		Oct/10/23	Oct/18/23	7		
CONS-A1( Pulling of Communication Wire (Fiber/Ethemet) -A10 (Lake Merritt Substation)				/	<b></b>	Pulling of Communication Wire (Fiber/Ethernet) -A10 (Lake Merritt Substation)
CONS-A1( Install Smoke and Heat Detectors -A10 Sub (Lake Merritt Substation)		Oct/19/23	Oct/25/23	/		Install Smoke and Heat Detectors -A10 Sub (Lake Memitt Substation)
CONS-A1( Install Flow Switches -A10 Sub (Lake Merritt Substation)		Oct/19/23	Oct/25/23	12		Install Flow Switches -A10 Sub (Lake Merritt Substation)
CONS-A1( Install Manual Fire Alarm Pull Station -A10 Sub (Lake Merritt Substation)		Oct/19/23	Oct/25/23	12		Install Manual Fire Alarm Pull Station -A10 Sub (Lake Memitt Substation)
CONS-A1( Install Notification Appliances -A10 Sub (Lake Merritt Substation)		Oct/19/23	Oct/25/23	12		Install Notification Appliances -A10 Sub (Lake Merritt Substation)
CONS-A10 Installation of SUB FACU , IRC, Amplifier and Panels -A10 Sub (Lake Merritt Substation)		Oct/26/23	Nov/01/23	7	7	☐ Installation of SUB FACU , IRC, Amplifier and Panels -A10 Sub (Lake Merritt
Testing & Commissioning-A10  CONS A40 Protection by Contractants he model for testing in processor of DADT A40		Nov/14/23	Nov/30/23	0		Nov/30/23, Testing & Commissioning-A10
CONS-A10- Pre-testing by Contractor to be ready for testing in prescene of BART-A10		Nov/14/23	Nov/14/23			I Pre-testing by Contractor to be ready for testing in prescene of BART -A10
CONS-A10- Pre-testing by Contractor in presence of BART -A10		Nov/15/23	Nov/16/23	0		Pre-testing by Contractor in presence of BART-A10
CONS-A10- Fire Marshal and BART acceptance -A10		Nov/15/23	Nov/16/23	0		I Fire Marshal and BART acceptance -A10
CONS-A10- Installing and testing Remote monitoring system tied to BAR OSY -A10	2	Nov/17/23	Nov/20/23	C	)	I Installing and testing Remote monitoring system tied to BAR OSY A10
CONS-A10- FireWatch Inspection -A10	1	Nov/17/23	Nov/17/23	2	2	I FireWatch Inspection -A10
CONS-A10- NFPA72 checklist certified by the Contractor -A10		Nov/21/23	Nov/21/23	0		I NFPA72 checklist certified by the Contractor -A10
CONS-A10- Connection to existing Tamper and Water-flow switches-A10	2	Nov/22/23	Nov/24/23	C		Connection to existing Tamperand Water-flow switches-A10
CONS-A10- Fire Marshall approval -A10	1	Nov/27/23	Nov/27/23	C		l Fire Marshall approval -A10
CONS-A10- BART Acceptance -A10	1	Nov/28/23	Nov/28/23	0		I BARTAcceptance -A10
CONS-A10- Patriot Request Punchlist for Substantial Completion -A10	2	Nov/29/23	Nov/30/23	0		Patriot Request Punchlist for Substantial Completion -A10
Demolition-A10		Dec/01/23	Jan/05/24	0		▼ Jan/05/24, Demolition-A10
CONS-A10- Removal of Old Fire Alarm System -A10	10	Dec/01/23	Dec/14/23	0		Removal of Old Fire Alarm System -A10
CONS-A10- Remove excessive wire and conduits-A10	6	Dec/01/23	Dec/08/23	13		Remove excessive wire and conduits-A10
CONS-A10- Decommissioning of existing FA system-A10	2	Dec/01/23	Dec/04/23	13		Decommissioning of existing FA system-A10
CONS-A10- Removal of FA Devices -A10	6	Dec/01/23	Dec/08/23	0		Removal of FA Devices -A10
CONS-A10- Pundist -A10	18	Dec/11/23	Jan/05/24	0		Pundist -A10
Close-Out-A10		Nov/17/23	Jan/06/24	C		▼ Jan/06/24, Close-Out-A10
CONS-A10- Prepare and submit final as-built Drawings -A10	12	Nov/17/23	Dec/05/23	0		Prepare and submit final as-built Drawings -A10
CONS-A10- Training Manuals -A10	5	Dec/06/23	Dec/12/23	0		☐ Training Manuals:-A10
CONS-A10- O&M Manuals -A10	8	Dec/13/23	Dec/22/23			O&M Manuals -A10



/ ID	Activity Name	Original Duration	Start	Finish	Total Float		2023 2024 2025
	,	g	1	1			J Jul A S O N D J F M A M J Jul A S O N D J F M A M
CONS-A10-	Approval of As-built Drawings -A10	15	Dec/23/23	Jan/06/24	0	1 2 3 4	5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28
	Demobilization for -A10		Dec/26/23	Jan/02/24	3		Demobilization for -A10
			Dec/20/23		3		
_	Substantial Completion -A10		,	Jan/05/24	1		◆ Substantial Completion -A10,
	Final Acceptance A10	(	)	Jan/06/24	0		◆ Final Acceptance A10,
San Leandro-			Dec/26/23	Jul/19/24	12		▼ Jul/19/24, San Leandro-A40
	Summery for - A40		Dec/26/23	Jul/19/24	12		Summery for -A40
Concourse Le			Dec/26/23	Mar/27/24	43		Mar/27/24, Concourse Level-A40
<u> </u>	Core Drilling -A40 (Concourse Level)		Dec/26/23	Jan/02/24	11		Core Drilling -A40 (Concourse Level)
	Install Conduits & Boxes -A40 (Concourse Level) Paid Area		Jan/03/24	Jan/17/24	11		☐ Install Conduits & Boxes -A40 (Concourse Level) Paid Area
	Install Conduits & Boxes -A40 (Concourse Level) Elec. Room, Break Romm,ETC (6-8)		Jan/18/24	Jan/31/24	23		☐ Install Conduits & Boxes -A40 (Concourse Level) Elec. Room, Bi
CONS-A40-	Install & Pull Fire Alarm Cables -A40 (Concourse Level)	15	Feb/01/24	Feb/22/24	23		Install & Pull Fire Alarm Cables -A40 (Concourse Level)
CONS-A40-	Pulling of Communication Wire (Fiber/Ethernet)-A40 (Concourse Level)	5	Feb/01/24	Feb/07/24	33		Pulling of Communication Wire (Fiber/Ethernet)-A40 (Concours
ONS-A40-	Install Smoke and Heat Detectors -A40 (Concourse Level)	5	Feb/22/24	Feb/28/24	23		Install Smoke and Heat Detectors -A40 (Concourse Level)
CONS-A40-	Install Flow Switches -A40 (Concourse Level)	Ę	Feb/22/24	Feb/28/24	28		☐ Install Flow Switches -A40 (Concourse Level)
ONS-A40-	Install Manual Fire Alarm Pull Station -A40 (Concourse Level)	5	Feb/22/24	Feb/28/24	28		🗓 Install Manual Fire Alarm Pull Station -A40 (Concourse Level)
CONS-A40-	Install Notification Appliances -A40 (Concourse Level)	Ę	Feb/27/24	Mar/04/24	25		☐ Install Notification Appliances -A40 (Concourse Level)
CONS-A40-	Installation of FACU, IRC, Amplifier, Sub FACU and Panels -A40 (Concourse Level)	5	5 Feb/29/24	Mar/06/24	23		Installation of FACU , IRC, Amplifier, Sub FACU and Panels
CONS-A40-	Install Faregate Control & Emergency Barrier Opening-A40 (Concourse Level)		5 Feb/29/24	Mar/06/24	30		Install Faregate Control & Emergency Barrier Opening-A40
	Install Elevator( Escalator) Shutdown& Recall Modular-A40 (Concourse Level)		5 Feb/29/24	Mar/06/24	23		Install Elevator( Escalator) Shutdown& Recall Modular-A40
<u> </u>	Paint Exposed Conduits -A40 (Concourse Level)		Mar/21/24	Mar/27/24	43		Paint Exposed Conduits -A40 (Concourse Level)
	Free Area A40		7 Jan/08/24	Feb/14/24	32		Feb/14/24. Concourse Free Area -A40
	Install Conduits & Boxes -A40 (Concourse Free Area)		Jan/08/24	Jan/22/24	41		Install Conduits & Boxes -A40 (Concourse Free Area)
<del>_</del>	Install & Pull Fire Alarm Cables -A40 (Concourse Free Area)		Jan/23/24	Jan/29/24	41		Install & Pull Fire Alarm Cables -A40 (Concourse Free Area)
<u> </u>	Pulling of Communication Wire (Fiber/Ethemet)-A40 (Concourse Free Area)		Jan/23/24	Jan/29/24	41		Pulling of Communication Wire (Fiber/Ethernet)-A40 (Concourse
	Install Smoke and Heat Detectors -A40 (Concourse Free Area)		3 Jan/29/24	Jan/31/24	42		
	Install Manual Fire Alarm Pull Station -A40 (Concourse Free Area)		3 Jan/30/24	Feb/01/24	41		Install Manual Fire Alarm Pull Station -A40 (Concourse Free Area)
	· · ·						
	Install Notification Appliances -A40 (Concourse Free Area)		3 Jan/30/24	Feb/01/24	41		I Install Notification Appliances -A40 (Concourse Free Area)
	Install Flow Switches -A40 (Concourse Free Area)		Feb/12/24	Feb/14/24	32		I Install Flow Switches -A40 (Concourse Free Area)
SAB -A40	1. (    O   1    O D   A40 (OAD)		Jan/09/24	Feb/14/24	32		▼ Feb/14/24, SAB -A40
	Install Conduits & Boxes -A40 (SAB)		Jan/09/24	Jan/23/24	11		Install Conduits & Boxes -A40 (SAB)
	Install & Pull Fire Alarm Cables -A40 (SAB)		Jan/24/24	Jan/30/24	11		Install & Pull Fire Alarm Cables -A40 (SAB)
CONS-A40	Pulling of Communication Wire (Fiber/Ethernet)-A40 (SAB)		Jan/24/24	Jan/30/24	11		Pulling of Communication Wire (Fiber/Ethernet)-A40 (SAB)
CONS-A40	Install Smoke and Heat Detectors -A40 (SAB)		Jan/31/24	Feb/02/24	11		I Iristall Smoke and Heat Detectors -A40 (SAB)
CONS-A40	Install Manual Fire Alarm Pull Station -A40 (SAB)	3	Feb/02/24	Feb/06/24	38		1 Install Manual Fire Alarm Pull Station -A40 (SAB)
CONS-A40	Install Notification Appliances -A40 (SAB)	3	Feb/02/24	Feb/06/24	38		Install Notification Appliances -A40 (SAB)
CONS-A40	Install Flow Switches -A40 (SAB)	3	Feb/12/24	Feb/14/24	32		I Install Flow Switches -A40 (SAB)
Platform Leve	al-A40	39	Feb/07/24	Apr/02/24	11		▼ Apr/02/24, Platform Level-A40
CONS-A40-	Install Conduits & Boxes -A40 (Platform Level) (3-7)	7	Feb/07/24	Feb/15/24	11		☐ Install Conduits & Boxes -A40 (Platform Level) (3-7)
CONS-A40-	Install Conduits & Boxes -A40 (Platform Level) (7-11)	7	Feb/16/24	Feb/27/24	11		☐ Install Conduits & Boxes -A40 (Platform Level) (7-11)
CONS-A40-	Install Conduits & Boxes -A40 (Platform Level) (11-13)	7	Feb/28/24	Mar/07/24	11		☐ Install Conduits & Boxes -A40 (Platform Level) (11-13)
CONS-A40-	Install & Pull Fire Alarm Cables -A40 (Platform Level)	10	Mar/08/24	Mar/21/24	11		☐ Install & Pull Fire Alarm Cables -A40 (Platform Level)
	Pulling of Communication Wire (Fiber/Ethemet)-A40 (Platform Level)		5 Mar/08/24	Mar/14/24	16		Pulling of Communication Wire (Fiber/Ethernet)-A40 (Platfo
			Mar/22/24	Mar/28/24	14		Install Smoke and Heat Detectors -A40 (Platform Level)
	Install Manual Fire Alarm Pull Station -A40 (Platform Level)		Mar/22/24	Mar/28/24	14		Install Manual Fire Alam Pull Station -A40 (Platform Levi
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CONS-A40- Paint Expo Temporary Fire Alarm Sys CONS-A40- Disconnect CONS-A40- Mounting Tomogray CONS-A40- Temporary CONS-A40- Integration CONS-A40- Transition tomogray CONS-A40- Pre-testing CONS-A40- Pre-testing CONS-A40- Cutover and CONS-A40- FireWatch Installing and CONS-A40- Fire Marsha CONS-A40- Fire Marsha CONS-A40- Fire Marsha CONS-A40- Patriot Recomposition Autority CONS-A40- Removal of CONS-A40- Removal of CONS-A40- Removal of CONS-A40- CONS-A40	g Temporary Devices - A40 g Temporary Devices - A40 gry Fire Alarm Control Panel Setup - A40 on with Existing System - A40 in to New Temporary System - A40 ing-A40 ing by Contractor to be ready for testing in prescene of BART - A40 ing by Contractor in presence of BART - A40 and tie-in to existing BART facilities - A40 and testing Remote monitoring system tied to BAR OSY - A40 in Inspection - A40 checklist certified by the Contractor - A40 ion to existing Tamper and Water-flow switches - A40 shall approval - A40 equest Punchlist for Substantial Completion - A40	5 7 1 2 1 2 1 25 2 5 2 2 2 2 4 2 1 5	Mar/27/24 Mar/07/24 Mar/07/24 Mar/07/24 Mar/08/24 Mar/12/24 Mar/13/24 Mar/13/24 Apr/03/24 Apr/03/24 Apr/05/24 Apr/12/24 Apr/16/24 Apr/16/24 Apr/18/24 Apr/22/24 Apr/26/24	Apr/02/24 Apr/02/24 Apr/02/24 Mar/15/24 Mar/07/24 Mar/11/24 Mar/12/24 Mar/14/24 Mar/15/24 Mar/15/24 Apr/04/24 Apr/11/24 Apr/17/24 Apr/17/24 Apr/17/24 Apr/19/24 Apr/19/24	11 11 23 23 23 23 23 23 23 23 11 11 11 11 11 11 11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  Install Notification Appliances -A40 (Platform Level)  Paint Exposed Conduits -A40 (Platform Level)  Mari/15/24, Temporary Fire Alarm System Installation  Disconnect Power and Wiring -A40  Mounting Temporary Devices -A40  Integration with Existing System -A40  Integration with Existing System -A40  Integration to New Temporary System -A40  Pre-testing by Contractor to be ready for testing in presce  Pre-testing by Contractor in presence of BART -A40  Cutover and tie-in to existing Remote monitoring system tied to  Installing and testing Remote monitoring system tied to
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CONS-A40- Connection CONS-A40- Fire Marsha CONS-A40- BART Acce CONS-A40- Patriot Reco Demolition-A40 CONS-A40- Removal o CONS-A40- Removal o CONS-A40- Decommiss CONS-A40- Connection CONS-A40- Punchlist -/ Close-Out-A40 CONS-A40- Prepare an	ion to existing Tamper and Water-flow switches -A40 shall approval -A40 cceptance -A40 equest Punchlist for Substantial Completion -A40	1 5	Apr/22/24	· ·	11	
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CONS-A40- Patriot Recomplete Constant Removal of Cons-A40- Removal of Cons-A40- Removal of Cons-A40- Remove expension Cons-A40- Connection Cons-A40- Connection Cons-A40- Punchlist - Close-Out-A40- Prepare and Constant Removal of Cons-A40- Prepare and Constant Removal of Constant Removal of Constant Removal of Cons-A40- Prepare and Cons-A40- Prepare A	equest Punchlist for Substantial Completion -A40	5		Apr/29/24	11	🕻 Fire Marshall approval -A40
Demolition-A40  CONS-A40- Removal of Removal			Apr/30/24	Apr/30/24	11	I BART Acceptance A40
Demolition-A40  CONS-A40- Removal of Removal			May/01/24	May/07/24	11	Patriot Request Punchlist for Substantial Completion
CONS-A40- Removal of CONS-A40- Remove expenses and CONS-A40- Connection CONS-A40- Punchlist	of Old Fire Alarm System, A40	48	May/08/24	Jul/16/24	15	Jul/16/24, Demolition-A40
CONS-A40- Remove example of the constant of th	101 Old File Alaim System -A40		May/08/24	Jun/05/24	13	Removal of Old Fire Alarm System -A40
CONS-A40- Decommiss CONS-A40- Connection CONS-A40- Punchlist - Close-Out-A40 CONS-A40- Prepare an	of FA Devices -A40	5	May/08/24	May/14/24	13	☐ Removal of FA Devices -A40
CONS-A40- Connection CONS-A40- Punchlist - Close-Out-A40 CONS-A40- Prepare an	excessive wire and conduits-A40	12	May/15/24	May/31/24	13	Remove excessive wire and conduits-A40
CONS-A40- Connection CONS-A40- Punchlist - Close-Out-A40 CONS-A40- Prepare an	nissioning of existing FA system-A40	5	May/15/24	May/21/24	13	Decommissioning of existing FA system-A40
CONS-A40- Punchlist -  Close-Out-A40  CONS-A40- Prepare an	ion to existing Tamper and Water-flow switches-A40		Jun/10/24	Jun/14/24	13	☐ Connection to existing Tamper and Water-flows
Close-Out-A40  CONS-A40- Prepare an	· · · · · · · · · · · · · · · · · · ·		Jun/17/24	Jul/16/24	15	Punchlist -A40
CONS-A40- Prepare an			May/08/24	Jul/19/24	12	Jul/19/24, Close-Out-A40
	and submit final as-built Drawings -A40		May/08/24	May/21/24	11	
	<u> </u>		May/22/24	Jun/05/24	11	□ Training Manuals -A40
CONS-A30- O&M Manu			Jun/06/24	Jun/19/24	11	O&M Manuals -A40
CONS-A40- Demobiliza			Jun/17/24	Jun/28/24	26	□ Demobilization for -A40
CONS-A40- Approval of				Jul/19/24	18	
		30	Jun/20/24			Approval of As-built Drawings -A40
CONS-A40- Substantial	<u> </u>	0		Jul/16/24	15	◆ Substantial Completion -A40,
CONS-A40- Final Accep	eptance -A40	0		Jul/19/24	12	◆ Final Acceptance -A40,
Montgomery-M20			Dec/26/23	Aug/06/24	0	▼ Aug/06/24, Montgomery-M20
SUM-1030 Summery f	y for - M20		Dec/26/23	Jul/05/24	0	Summery for -M20
Concourse Level-M20	No.		Dec/26/23	May/16/24	9	May/16/24, Concourse Level-M20
CONS M2/ Core Drillin	Iling - M20 (Concourse Free Area)		Dec/26/23 Dec/26/23	Feb/21/24 Dec/28/23	65	Feb/21/24, Concourse Free Area -M20  Core Drilling - M20 (Concourse Free Area)
_	<u> </u>				/	
	onduits & Boxes -M20 (Concourse Free Area) (4-7)		Jan/10/24	Jan/19/24	0	Install Conduits & Boxes -M20 (Concourse Free Area) (4-7)
	onduits & Boxes -M20 (Concourse Free Area) BART Primary Paid Area (7-11)		Jan/22/24	Jan/30/24	U	■ Install Conduits & Boxes -M20 (Concourse Free Area) BART Prima
	Pull Fire Alarm Cables -M20 (Concourse Free Area)		Jan/31/24	Feb/13/24	0	■ Install & Pull Fire Alarm Cables -M20 (Concourse Free Area)
_	f Communication Wire (Fiber/Ethernet)-M20 (Concourse Free Area)	5	Jan/31/24	Feb/06/24	5	Pulling of Communication Wire (Fiber/Ethemet)-M20 (Concourse
CONS-M2( Install Notif		3	Feb/05/24	Feb/07/24	0	■ Install Notification Appliances -M20 (Concourse Free Area)

Actual Level of Effort

Remaining Work ◆ Milestone

### Bart Fire Alarm Replacement Phase 3.



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ty ID	Activity Name	Original Duration Start	Finish	Total Float	2023 2024 2025
				FM	A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M
CONS-M2( I	Install Flow Switches -M20 (Concourse Free Area)	5 Feb/12/24	Feb/16/24	67	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  I Install Flow Switches -M20 (Concourse Free Area)
	Install Smoke and Heat Detectors -M20 (Concourse Free Area)	5 Feb/14/24	Feb/21/24	65	☐ Install Smoke and Heat Detectors -M20 (Concourse Free Area
	Install Manual Fire Alarm Pull Station -M20 (Concourse Free Area)	5 Feb/14/24	Feb/21/24	65	☐ Install Manual Fire Alarm Pull Station -M20 (Concourse Free A
Concourse Ea	· · · · · · · · · · · · · · · · · · ·	21 Feb/08/24	Mar/08/24	53	✓ Mar/08/24, Concourse East-M20
	Install Conduits & Boxes -M20 (Concourse East) Muni Secondry Paid Area	6 Feb/08/24	Feb/15/24	0	Install Conduits & Boxes -M20 (Concourse East) Muni Secondr
_	Install Conduits & Boxes -M20 (Concourse East) (18-21)	6 Feb/16/24	Feb/26/24	0	■ Install Conduits & Boxes -M20 (Concourse East) (18-21)
_	Install & Pull Fire Alarm Cables -M20 (Concourse East)	3 Feb/27/24	Feb/29/24	0	■ Install & Pull Fire Alarm Cables -M20 (Concourse East)
_	Pulling of Communication Wire (Fiber/Ethemet)-M20 (Concourse East)	3 Feb/27/24	Feb/29/24	0	Pulling of Communication Wire (Fiber/Ethernet)-M20 (Conco
_	Install Smoke and Heat Detectors -M20 (Concourse East)	5 Mar/01/24	Mar/07/24	18	□ Install Smoke and Heat Detectors -M20 (Concourse East)
_	Install Flow Switches -M20 (Concourse East)	5 Mar/01/24	Mar/07/24	54	Install Flow Switches -M20 (Concourse East)
_	Install Notification Appliances -M20 (Concourse East)	2 Mar/01/24	Mar/04/24	0	I Install Notification Appliances -M20 (Concourse East)
_	· · · · · · · · · · · · · · · · · · ·			52	
	Install Manual Fire Alarm Pull Station -M20 (Concourse East)	5 Mar/04/24	Mar/08/24	53	Install Manual Fire Alarm Pull Station -M20 (Concourse East
CONS M2( )	est-W20 Install Conduits & Boxes -M20 (Concourse West) - Muni Primary Paid Area	32 Mar/07/24 10 Mar/07/24	Apr/19/24 Mar/20/24	23	Apr/19/24, Concourse West-M20  Install Conduits & Boxes -M20 (Concourse West) - Muni P
_	· · · · · · · · · · · · · · · · · · ·	10 Mar/21/24		9	Install Conduits & Boxes -M20 (Concourse West) - (Train
_	Install Conduits & Boxes -M20 (Concourse West) - (Train Control - FA -Battery - HVAC - Break) Ro		Apr/03/24	9	
_	Install & Pull Fire Alarm Cables -M20 (Concourse West)	7 Apr/04/24	Apr/12/24	9	□ Install & Pull Fire Alarm Cables -M20 (Concourse West)
_	Pulling of Communication Wire (Fiber/Ethemet)-M20 (Concourse East)	7 Apr/04/24	Apr/12/24	9	□ Pulling of Communication Wire (Fiber/Ethemet)-M20 (0
_	Install Smoke and Heat Detectors -M20 (Concourse West)	5 Apr/08/24	Apr/12/24	23	□ Install Smoke and Heat Detectors -M20 (Concourse W
_	Install Flow Switches -M20 (Concourse West)	3 Apr/09/24	Apr/11/24	9	I Install Flow Switches -M20 (Concourse West)
CONS-M2	Install Notification Appliances -M20 (Concourse West)	5 Apr/12/24	Apr/18/24	9	☐ Install Notification Appliances -M20 (Concourse West)
_	Install Manual Fire Alarm Pull Station -M20 (Concourse West)	5 Apr/15/24	Apr/19/24	23	I Install Manual Fire Alarm Pull Station -M20 (Concours
SAB-M20		25 Apr/12/24	May/16/24	9	<b>▼</b> May/16/24, SAB-M20
_	Install Conduits & Boxes -M20 (SAB)	8 Apr/12/24	Apr/23/24	9	☐ Install Conduits & Boxes -M20 (SAB)
_	Install & Pull Fire Alarm Cables -M20 (SAB)	5 Apr/24/24	Apr/30/24	9	☐ Install & Pull Fire Alarm Cables -M20 (SAB)
CONS-M2	Pulling of Communication Wire (Fiber/Ethernet)-M20 (SAB)	5 Apr/24/24	Apr/30/24	9	Pulling of Communication Wire (Fiber/Ethernet)-M20
CONS-M2( I	Install Smoke and Heat Detectors -M20 (SAB)	3 May/01/24	May/03/24	10	Install Smoke and Heat Detectors -M20 (SAB)
CONS-M2( I	Install Flow Switches -M20 (SAB)	3 May/01/24	May/03/24	18	Install Flow Switches -M20 (SAB)
CONS-M2( I	Install Manual Fire Alarm Pull Station -M20 (SAB)	3 May/07/24	May/09/24	14	▮ Install Manual Fire Alarm Pull Station -M20 (SAB)
CONS-M2( I	Install Notification Appliances -M20 (SAB)	3 May/07/24	May/09/24	9	I Install Notification Appliances -M20 (SAB)
CONS-M2	Paint Exposed Conduits -M20	5 May/10/24	May/16/24	9	Paint Exposed Conduits -M20
Muni Level -M2	0	64 Mar/01/24	May/30/24	0	▼ May/30/24, Muni Level -M20
Muni Concour		64 Mar/01/24	May/30/24	0	₩ May/30/24, Muni Concourse -M20
_	Install Conduits & Boxes -M20 (Muni Concourse)	15 Mar/01/24	Mar/21/24	0	Install Conduits & Boxes -M20 (Muni Concourse)
_	Install & Pull Fire Alarm Cables -M20 (Muni Concourse)	10 Mar/22/24	Apr/04/24	34	Install & Pull Fire Alarm Cables -M20 (Muni Concourse)
_	Install Flow Switches -M20 (Muni Concourse)	5 Mar/22/24	Mar/28/24	39	☐ Install Flow Switches -M20 (Muni Concourse)
_	Pulling of Communication Wire (Fiber/Ethernet)-M20 (Muni Concourse)	5 Mar/22/24	Mar/28/24	39	Pulling of Communication Wire (Fiber/Ethemet)-M20 (Mul
CONS-M2	Install Smoke and Heat Detectors -M20 (Muni Concourse)	5 Mar/25/24	Mar/29/24	38	Install Smoke and Heat Detectors -M20 (Muni Concourse
CONS-M2( I	Install Manual Fire Alarm Pull Station -M20 (Muni Concourse)	5 Mar/25/24	Mar/29/24	43	I Install Manual Fire Alarm Pull Station -M20 (Muni Concou
CONS-M2( I	Install Notification Appliances -M20 (Muni Concourse)	3 Mar/26/24	Mar/28/24	0	■ Install Notification Appliances -M20 (Muni Concourse)
CONS-M2( I	Install Faregate Control & Emergency Barrier Opening-M20 (Muni Concourse)	5 Apr/01/24	Apr/05/24	38	
CONS-M2( I	Install Elevator( Escalator) Shutdown& Recall Modular-M20 (Muni Concourse)	5 Apr/05/24	Apr/11/24	34	☐ Install Elevator( Escalator) Shutdown& Recall Modular-I
CONS-M2( I	Installation of FACU , IRC, Amplifier, Sub FACU and Panels -M20 (Muni Concourse)	5 May/23/24	May/30/24	0	Installation of FACU , IRC, Amplifier, Sub FACU
Muni Platform		27 Mar/29/24	May/06/24	17	May/06/24, Muni Platform +M20

Actual Level of Effort

Remaining Work ◆ Milestone

### Bart Fire Alarm Replacement Phase 3.



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1000	Activity Namo	Original Duration	Stort	Einich	Total Float	i		2023						_	2024			2025
ivity ID	Activity Name	Original Duration	Start	Finish	Total Float	FMA	A M		I A S	3 0	N D	J	F M	A M		S   O   I	<u> </u>	F M A
				. (22/2/		1 2 3	3 4	5 6	7 8	9	10 11	12	13 14					5 26 27 2
_	Install & Pull Fire Alarm Cables -M20 (Muni Platform)		3 Apr/12/24	Apr/23/24	0		: :	: :	: :		:		: :	: :		: : :	1 1 1	luni Platform
	Pulling of Communication Wire (Fiber/Ethernet)-M20 (Muni Platform)	6	Apr/16/24	Apr/23/24	0			: ::-				: :				; ; ; -		thernet)-M20
CONS-M2	Install Smoke and Heat Detectors -M20 (Muni Platform)	5	Apr/19/24	Apr/25/24	0									I Ins	all Smoke	nd Heat D	etectors -M20	) (Muni Platf
CONS-M2	Install Manual Fire Alarm Pull Station -M20 (Muni Platform)	5	Apr/19/24	Apr/25/24	19	1 1								☐ Ins	all Manual	Fire Alarm F	ull Station -M	120 (Muni Pl
CONS-M2	Install Notification Appliances -M20 (Muni Platform)	5	Apr/19/24	Apr/25/24	19									I Ins	all Notificat	on Appliand	es -M20 (Mu	ıni Platform)
CONS-M2	Install Flow Switches -M20 (Muni Platform)	5	Apr/23/24	Apr/29/24	17									Institute	tall Flow S	itches -M20	(Muni Platfo	om)
CONS-M2	Install Faregate Control & Emergency Barrier Opening-M20 (Muni Platform)	5	Apr/24/24	Apr/30/24	21									I Ins	tall Farega	e Control &	Emergency	Barrier Oper
CONS-M2	Install Elevator (Escalator) Shutdown& Recall Modular-M20 (Muni Platform)	5	Apr/24/24	Apr/30/24	21							:i		🗓 Ins	tall Elevato	(Escalator)	Shutdown&	Recall Mod
CONS-M2	Installation of FACU , IRC, Amplifier, Sub FACU and Panels -M20 (Muni Platform)	5	Apr/30/24	May/06/24	17		: :	: :	: :		:		: :	l In	stallation o	FACU, IR	C, Amplifier, S	Sub FACU a
Platform Leve	II-M20	28	Apr/19/24	May/29/24	1		: :	: :	: :		:		: :		May/29/2	, Platform I	evel-M20	
South Platfor	rm -M20	27	Apr/19/24	May/28/24	2	: :		: :	: :		:		: :	1 1	1 7 1	, South Pla		1 1 1
CONS-M2	Install Conduits & Boxes -M20 (South Platform)	15	Apr/19/24	May/09/24	0									= Ir	stall Cond	its & Boxes	-M20 (Sout	h Platform)
CONS-M2	Install & Pull Fire Alarm Cables -M20 (South Platform)	9	May/10/24	May/22/24	0									_	Install & P	ll Fire Alarm	Cables -M2	0 (South Pla
CONS-M2	Pulling of Communication Wire (Fiber/Ethernet) -M20 (South and North Platform)	5	May/10/24	May/16/24	4										Pulling of C	mmunicati	on Wire (Fibe	er/Ethernet)
CONS-M2	Install Smoke and Heat Detectors -M20 (South Platform)	4	May/17/24	May/22/24	0									•	Install Smo	ke and Hea	t Detectors -	M20 (South
CONS-M2	Install Flow Switches -M20(South Platform)	2	May/17/24	May/20/24	2									0	Install Flow	Switches -N	20(South Pl	atform)
CONS-M2	Install Notification Appliances -M20(South Platform)	2	May/21/24	May/22/24	0									1	Install Noti	ication App	ances -M20	(South Platfo
CONS-M2	Paint Exposed Conduits -M20(South Platform)	2	May/24/24	May/28/24	2										Paint Exp	sed Condu	its -M20(Sou	uth Platform)
North Platfor	l i i	23	Apr/26/24	May/29/24	1		: :	: :	: :		:		: :	* :	Mav/29/2	, North Pla	form -M20	1 1 1
	Install Conduits & Boxes -M20 (North Platform)		Apr/26/24	May/16/24	1						:		: :				s -M20 (Nort	h Platform)
CONS-M2	Install & Pull Fire Alarm Cables -M20 (North Platform)	10	May/03/24	May/16/24	1									1 1	1 1	1 1 1	1 1 1	) (North Plati
	Install Smoke and Heat Detectors -M20 (North Platform)	3	May/24/24	May/29/24	1									i i	i i	i i i		-M20 (North
_	Install Flow Switches -M20 (North Platform)	2	May/24/24	May/28/24	2									::		1	M20 (North F	- 1 1 1 1 -
	Install Notification Appliances -M20 (North Platform)		2 May/24/24	May/28/24	2										i i	1 1 1		) (North Plat
	re Alarm System Installation		Dec/26/23	Jan/05/24	101							; ;	n/05/24	: :	i i	m System I	- i - i - i -	, , , , , , , ,
	Disconnect Power and Wiring - M20		Dec/26/23	Dec/26/23	101						i				nd Wiring -		iotalia ion	
CONS-M20	Mounting Temporary Devices - M20	2	Dec/27/23	Dec/28/23	101							: :	: :	: :	Devices -	: : :		
	Temporary Fire Alarm Control Panel Setup - M20	1	Dec/29/23	Dec/29/23	101			<u></u>				l Te	mporary I	Fire Alarr	n Control F	anel Setup	· M20	
	Integration with Existing System - M20		2 Jan/02/24	Jan/03/24	101			: : : :						1 1	sting Syste	1 1 1		
	Transition to NewTemporary System - M20		2 Jan/04/24	Jan/05/24	101						1		- 1	!!!	- F 1	ystem - M2	,	
	nmissioning-M20		May/31/24	Jun/24/24	0								anskion	1 1	1 1	1 1 1	& Commiss	ioning M20
	Pre-testing by Contractor to be ready for testing in prescene of BART-M20		May/31/24	Jun/03/24	0									1 1				ady for testir
	Pre-testing by Contractor in presence of BART -M20		May/31/24	Jun/03/24	0									:		Ĭ <del> </del> <del> </del> -		nce of BAR
	Cutover and tie-in to existing BART facilities -M20		2 Jun/04/24	Jun/05/24	0								: :					RT facilities -
	-		Jun/06/24	Jun/06/24	0				: :		:		: :	: :	: :	: : :		onitoring syst
					0		: :	: :	: :		:		: :	: :	: :	: : :	: : :	1 1 1
	·		2 Jun/06/24	Jun/07/24	0						:					: : :	atch Inspecti	1 1 1
	,		Jun/07/24	Jun/07/24	0	<b> </b>										÷		Contractor -
	<u> </u>		Jun/10/24	Jun/14/24	0						1		: :		1 1	1 1 1	T 11 1	and Water-flo
	Fire Marshall approval -M20		2 Jun/17/24	Jun/18/24	0						1				1 1	rshall appro	1 1 1	
	·		Jun/19/24	Jun/19/24	0										1 1	Acceptance	1 1 1	1 1 1
			Jun/20/24	Jun/24/24	0										1 1		1 1 1	ubstantial C
Demolition-M2			Jun/25/24	Aug/06/24	0			: : 						;;		7	Demolition-M	
	Removal of Old Fire Alarm System -M20		Jun/25/24	Jul/09/24	0		: :	: :	: :		:		: :			: : :		ystem -M20
	Removal of FA Devices -M20	5	Jun/25/24	Jul/01/24	1 0	II ( )			: :			: :					evices -M20	1 1 1



								-	ONTRACTING INC.
ivity ID	Activity Name	Original Duration	n Start	Finish	Total Float	t 2023   F   M   A   M   J   Jul   A   S	ONDJ	F M A M	2024   2025   J   Jul   A   S   O   N   D   J   F   M   A   M
— CONS MOO	Remove excessive wire and conduits-M20	10	0 Jul/02/24	Jul/16/24	11	1 2 3 4 5 6 7 8	9 10 11 12 1	13 14 15 16	17   18   19   20   21   22   23   24   25   26   27   28   27   28   28   29   29   29   29   29   29
			5 Jul/02/24	Jul/09/24	- 11			: : :	
	Decommissioning of existing FA system-M20				0				■ Decommissioning of existing FA system-M2
	PunchList -M20		0 Jul/10/24	Aug/06/24	0	· · · · · · · · · · · · · · · · · · ·			PunchList -M20
CONS-M20	Prepare and submit final as-built Drawings -M20		0 Jun/25/24 8 Jun/25/24	Aug/06/24 Jul/05/24	0				Aug/06/24, Close-Out-M20  Prepare and submit final as-built Drawings -
	Approval of As-built Drawings -M20		0 Jul/06/24	Aug/04/24	2				Approval of As-built Drawings -M20
	O&M Manuals -M20		9 Jul/08/24	Jul/18/24	2				O&M Manuals -M20
	Demobilization for - M20		9 Jul/10/24	Jul/22/24	11				Demobilization for - M20
					11				
	Training Manuals -M20	1	0 Jul/19/24	Aug/01/24	3				☐ Training Manuals -M20
	Substantial Completion -M20		0	Aug/06/24	0				<ul> <li>Substantial Completion -M20,</li> </ul>
	Final Acceptance -M20		0	Aug/06/24	0				♦ Final Acceptance -M20,
Berkeley-R20			7 Jul/05/24	Jan/21/25	11				▼ Jan/21/25, Berke
	Summery for - R20		5 Jul/05/24	Jan/16/25	13				Summery for - R
CONS P20	evel-R20 Core Drilling -R20		5 Jul/05/24 5 Jul/05/24	Sep/06/24 Jul/11/24	34				Sep/06/24, Concourse Level-R20 Core Drilling -R20
	Install Conduits & Boxes -R20 (Concourse Level)		0 Jul/12/24		11	-			
<u> </u>	, ,			Aug/08/24	11				Install Conduits & Boxes -R20 (Concou
	Install & Pull Fire Alarm Cables -R20 (Concourse Level)		5 Aug/09/24	Aug/29/24	11	_			Install & Pull Fire Alarm Cables -R20
	Pulling of Communication Wire (Fiber/Ethernet) -R20 (Concourse Level)		5 Aug/09/24	Aug/29/24	11				Pulling of Communication Wire (Fibe
<del>_</del>	Install Smoke and Heat Detectors -R20 (Concourse Level)		5 Aug/21/24	Aug/27/24	41	4 : : : : : : :			Install Smoke and Heat Detectors -F
	Install Flow Switches -R20 (Concourse Level)		5 Aug/21/24	Aug/27/24	13				Install Flow Switches -R20 (Concours
	Install Manual Fire Alarm Pull Station -R20 (Concourse Level)	,	5 Aug/21/24	Aug/27/24	13				☐ Install Manual Fire Alarm Pull Station
CONS-R20-	Install Notification Appliances -R20 (Concourse Level)		5 Aug/21/24	Aug/27/24	13				Install Notification Appliances -R20 (0
CONS-R20-	Install Faregate Control & Emergency Barrier Opening-R20 (Concourse Level)		5 Aug/28/24	Sep/04/24	13				☐ Install Faregate Control & Emergen
CONS-R20	Install Elevator( Escalator) Shutdown& Recall Modular-R20 (Concourse Level)		5 Aug/28/24	Sep/04/24	13				☐ Install Elevator( Escalator) Shutdow
CONS-R20	Installation of FACU , IRC, Amplifier and Panels -R20 (Concourse Level)		5 Aug/30/24	Sep/06/24	11				☐ Installation of FACU , IRC, Amplifie
CONS-R20	Paint Exposed Conduits -R20 (Concourse Level)		5 Aug/30/24	Sep/06/24	11				☐ Paint Exposed Conduits -R20 (Con
Platform Leve		6	8 Jul/05/24	Oct/09/24	11			: : :	Oct/09/24, Platform Level-R20
CONS-R20	Install Conduits & Boxes -R20 (Platform Level)	10	0 Sep/09/24	Sep/20/24	11				☐ Install Conduits & Boxes -R20 (PI
CONS-R20	Install & Pull Fire Alarm Cables -R20 (Platform Level)		5 Sep/23/24	Sep/27/24	11				Install & Pull Fire Alarm Cables -
CONS-R20	Pulling of Communication Wire (Fiber/Ethemet) -R20 (Platform Level)		5 Sep/23/24	Sep/27/24	11				Pulling of Communication Wire (
CONS-R20	Install Smoke and Heat Detectors -R20 (Platform Level)		2 Oct/02/24	Oct/03/24	15				I Install Smoke and Heat Detect
CONS-R20	Install Flow Switches -R20 (Platform Level)		2 Oct/02/24	Oct/03/24	15				1 Install Flow Switches -R20 (Plat
CONS-R20	Install Notification Appliances -R20 (Platform Level)		2 Oct/02/24	Oct/03/24	11				I Install Notification Appliances -F
CONS-R20-	Paint Exposed Conduits -R20 (Platform Level)		2 Oct/08/24	Oct/09/24	11				Paint Exposed Conduits -R20
🖶_Berkeley Sເ	ubstation-R20	3	8 Jul/05/24	Aug/27/24	41			: : :	Aug/27/24, Berkeley Substation-R20
CONS-R20	Install Conduits & Boxes -R20 Sub	1	8 Jul/05/24	Jul/30/24	2				Install Conduits & Boxes -R20 Sub
CONS-R20	Install & Pull Fire Alarm Cables -R20 Sub	10	0 Jul/31/24	Aug/13/24	44				Install & Pull Fire Alarm Cables -R20 S
CONS-R20	Pulling of Communication Wire (Fiber/Ethemet) -R20 (Platform Level)		5 Jul/31/24	Aug/06/24	49				Pulling of Communication Wire (Fiber/E
CONS-R20	Install Smoke and Heat Detectors -R20 Sub		5 Aug/14/24	Aug/20/24	44				Install Smoke and Heat Detectors -R2
CONS-R20	Install Manual Fire Alarm Pull Station -R20 Sub		5 Aug/14/24	Aug/20/24	44				Install Manual Fire Alarm Pull Station
CONS-R20	Install Notification Appliances -R20 Sub		5 Aug/14/24	Aug/20/24	44	1 : : : : : : : : : : : : : : : : : : :		1 1 1	Install Notification Appliances -R20 St
CONS-R20	Installation of SUB FACU , IRC, Amplifier and Panels -R20 Sub		5 Aug/19/24	Aug/23/24	41				■ Installation of SUB FACU , IRC, Amp
CONS-R20	Install Flow Switches -R20 Sub		5 Aug/19/24	Aug/23/24	41				■ Install Flow Switches -R20 Sub
CONS-R2(	Paint Exposed Conduits -R20 Sub		5 Aug/21/24	Aug/27/24	41				Paint Exposed Conduits -R20 Sub
Remaining  Actual Leve	Level of Effort Actual Work Critical Remaining el of Effort Remaining Work • Milestone	,	Page	9 of 11		TASK filter: A	All Activities	, , ,	© Oracle Corpo



Actual Level of Effort

Remaining Work •

Milestone

### Bart Fire Alarm Replacement Phase 3.



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' ID	Activity Name	Original Duration	Start	Finish	Total Float	<u> </u>			2023		<del>                                     </del>		2024		010			2025
						-	_		<del></del>	6 O N C		M A N	- + + -			<del>+</del>	+ + -	
Testing & Con	nmissioning-R20	17	Oct/10/24	Nov/01/24	11	1 ' 1 '	-   -	171	, 10 1 7 10	1 3 1 10 1 11	1 12 110	117 10 11	711/11	0 10 12				ting & Co
	Pre-testing by Contractor to be ready for testing in prescene of BART-R20		Oct/10/24	Oct/11/24	11													ntractor to
CONS-R20	Pre-testing by Contractor in presence of BART -R20		2 Oct/14/24	Oct/15/24	11	1	:				: :						1 1	ntractor in
	Installing and testing Remote monitoring system tied to BAR OSY -R20		2 Oct/16/24	Oct/17/24	11	1					: :	: : : : : :		1 1		: : :		ting Remo
	Cut over and Fire Watch Inspection -R20		2 Oct/16/24	Oct/17/24	12													Watch In
	NFPA72 checklist certified by the Contractor -R20		Oct/18/24	Oct/18/24	11	-										: : :	1 1	t certified l
	Connection to existing Tamper and Water-flow switches -R20		2 Oct/21/24	Oct/22/24	11	-									1	: : :	1 1	xisting Tar
	, .					-					: :	: : : : : : : : : : : : : : : : : : :						1 1
	Fire Marshall approval -R20		Oct/23/24	Oct/23/24	11	-   :	:								:		1 1	proval -R2
	BART Acceptance -R20		2 Oct/24/24	Oct/25/24	11	1		<u></u>				: ::				BARTA		; ;-
	Patriot Request Punchlist for Substantial Completion -R20		Oct/28/24	Nov/01/24	11		:				: :				:	: : :		t Punchlis
Demolition-R2			Nov/04/24	Jan/21/25	11		:				: :	: : :			:			/21/25, D
	Removal of Old Fire Alarm System -R20		2 Nov/04/24	Nov/20/24	11	-										: : :	: :	Old Fire A
CONS-R20	Removal of FA Devices -R20		Nov/14/24	Nov/20/24	11											Ren	noval of F	FA Device
	Remove excessive wire and conduits-R20	15	Nov/21/24	Dec/12/24	11			1 1						1 1		F	Remove e	excessive
CONS-R20	Decommissioning of existing FA system-R20	5	Nov/21/24	Nov/27/24	11											■ De	commiss	sioning of
CONS-R20	Connection to existing Tamper and Water-flow switches-R20	į.	Dec/13/24	Dec/19/24	11										:		Connecti	tion to exi
CONS-R20-	Punchlist -R20	20	Dec/20/24	Jan/21/25	11	1	:				: :	: : : : : :			:		Pund	nchlist -R2
Close-Out-R20	0	52	Nov/04/24	Jan/21/25	11		:				: :	: : :			: '		Jan/	/21/25, C
CONS-R20	Prepare and submit final as-built Drawings -R20	10	Nov/04/24	Nov/18/24	12											Prep	are and	submit fi
CONS-R20	Training Manuals -R20	10	Nov/19/24	Dec/03/24	12							1 1 1	1 1			🔲 Tr	aining Ma	anuals-R
CONS-R20	O&M Manuals -R20	10	Dec/04/24	Dec/17/24	12												O&M Ma	anuals -R
CONS-R20-	Approval of As-built Drawings -R20	30	Dec/18/24	Jan/16/25	20												Approx	roval of As
CONS-R20	Demobilization for - R20		5 Dec/20/24	Dec/27/24	26												Demobi	oilization fo
	Substantial Completion -R20		)	Jan/21/25	11	-11										: : -:	1 1	stantial C
	Final Acceptance -R20		)	Jan/21/25	11	4												al Accepta
Walnut Creek	·	124	Jul/05/24	Jan/10/25	''												i i	10/25, Wa
	Summery for - C40		7 Jul/05/24	Oct/22/24	54	1	:									Summe	1 1	: :
Concourse Le	<u> </u>		Jul/05/24		04		:				: :				:		- : :	1 1
	Core Drilling -C40 (Concourse Level)		3ul/05/24 3 Jul/05/24	Aug/30/24 Jul/09/24	2		:				: :	: : :		1 1		C40 (Cor	1 1	Level-C4( Level)
	Install Conduits & Boxes -C40 (Concourse Level) Free Area.		) Jul/10/24	Jul/23/24	2							i i i						0 (Conco
					2									1 1		: : :	1 1	1 1
	Install Conduits & Boxes -C40 (Concourse Level) East (6-7)		7 Jul/24/24	Aug/01/24										1 1	- 1	: : :	1 1	40 (Conc
	Install Conduits & Boxes -C40 (Concourse Level) East (7-8)		7 Jul/24/24	Aug/01/24	6	1								1 1		: : :	1 1	40 (Conc
	Install & Pull Fire Alarm Cables -C40 (Concourse Level)		7 Aug/02/24	Aug/12/24	6									- :		: : :		bles -C40
	Pulling of Communication Wire (Fiber/Ethernet) -C40 (Concourse Level)		Aug/02/24	Aug/12/24	6							: : : : : : : : : :		■ Pu	ulling o	Commu	nication \	Wire (Fib
	Install Smoke and Heat Detectors -C40 (Concourse Level)	3	Aug/09/24	Aug/13/24	9		:	: :		: : :	1 1 1 1 1 1 1 1 1	: : :	1 1	: :	:			etectors -
CONS-C40	Install Manual Fire Alarm Pull Station -C40 (Concourse Level)		3 Aug/09/24	Aug/13/24	6									□ In	stall M	anual Fire	Alarm P	Pull Statio
CONS-C40-	Install Notification Appliances -C40 (Concourse Level)	3	Aug/09/24	Aug/13/24	6			: :						<b>I</b> In	stall N	tification	Applianc	ces -C40
CONS-C40	Install Flow Switches -C40 (Concourse Level)		3 Aug/19/24	Aug/21/24	0	1 :				1 1 1	1 1	: : : : : :	1 1	1 1	nstall F	low Switc	hes -C40	0 (Conco
CONS-C40	Install Faregate Control & Emergency Barrier Opening-C40 (Concourse Level)	3	3 Aug/22/24	Aug/26/24	1	1								0 1	Install I	aregate	Control 8	& Emerge
	Install Elevator( Escalator) Shutdown& Recall Modular-C40 (Concourse Level)		3 Aug/22/24	Aug/26/24	0	#		-										or) Shutdo
	Installation of FACU , IRC, Amplifier, Sub FACU and Panels -C40 (Concourse Level)		3 Aug/23/24	Aug/27/24	0										- 1		1 1	C, Amplif
	Paint Exposed Conduits -C40 (Concourse Level)		3 Aug/28/24	Aug/30/24	7	1	:					: : : : : :				: : :	1 1	s -C40 (C
Platform Level	ļ		Jul/17/24	Aug/28/24										: :	:	3/24, Plat	1 1	1 1
	Install Conduits & Boxes -C40 (Platform Level) West		) Jul/17/24	Jul/30/24	2	1	:	: :										اورنون 40 (Platfo



100	A distribution of the second	Original Duration	104-4	Tiniah	Total Float			2023					2024			2025
rity ID	Activity Name	Original Duration	Start	Finish	Total Float	F M A			AS	O N D	JF	M A M		A S O	N D J	F   M   A
— CONS C40	Install Conduits 9 Payer C40 (Dietform Layer) Fact	10	h.l/24/24	Aug/06/24		1 2 3	4	5 6	7 8	9 10 11	1 12 13	14 15 16 1				25 26 27
	Install Conduits & Boxes -C40 (Platform Level) East		Jul/24/24	Aug/06/24				:					: :		: :	es -C40 (Pla
	Install & Pull Fire Alarm Cables -C40 (Platform Level)		Aug/07/24	Aug/14/24	2		: :	:		1 1			1 1	: :		m Cables -C4
	Pulling of Communication Wire (Fiber/Ethernet) -C40 (Platform Level)		Aug/07/24	Aug/14/24	2			:					1 1	1 1		ation Wire (Fil
CONS-C40-	Install Smoke and Heat Detectors -C40 (Platform Level)	3	Aug/15/24	Aug/19/24	2								1 1	1 1	1 1	leat Detectors
CONS-C40-	Install Notification Appliances -C40 (Platform Level)	3	Aug/15/24	Aug/19/24	2									Install N	otification A	opliances -C4
CONS-C40-	Install Flow Switches -C40 (Platform Level)	3	Aug/19/24	Aug/21/24	0									I Install F	ow Switche	s -C40 (Platfo
CONS-C40-	Paint Exposed Conduits -C40 (Platform Level)	1	Aug/28/24	Aug/28/24	4			:						l Paint E	xposed Cor	nduits -C40 (P
Temporary Fire	re Alarm System Installation	8	Aug/23/24	Sep/04/24	0									Sep/0	4/24, Temp	orary Fire Alan
CONS-C40	Disconnect Power and Wiring - C40	1	Aug/23/24	Aug/23/24	0									I Disconr	ect Power a	and Wiring - C
CONS-C40-	Mounting Temporary Devices - C40	3	Aug/26/24	Aug/28/24	0		: :	:				: : :		Mounti	ng Tempora	ry Devices - C
CONS-C40-	Temporary Fire Alarm Control Panel Setup - C40	1	Aug/29/24	Aug/29/24	0			:						l Tempo	rary Fire Ala	rm Control Pa
CONS-C40-	Integration with Existing System - C40	2	Aug/30/24	Sep/03/24	0	1								Integr	ation with Ex	kisting System
	Transition to New Temporary System - C40		Sep/04/24	Sep/04/24	0			:							1 1	Temporary Sy
	nmissioning-C40		Sep/05/24	Oct/08/24	0							1 1 1			1 1	esting & Comr
	Pre-testing by Contractor to be ready for testing in prescene of BART -C40		Sep/05/24	Sep/06/24	0									1 1	1 1	ntractor to be
CONS-C40-	Pre-testing by Contractor in presence of BART -C40	2	Sep/09/24	Sep/10/24	0	<b> </b>								I Pre-t	esting by Co	ontractor in pre
	Cutover and tie-in to existing BART facilities -C40		Sep/11/24	Sep/17/24	0	-		:				: : : : : :		1 1	i i	in to existing I
	Installing and testing Remote monitoring system tied to BAR OSY -C40		Sep/18/24	Sep/19/24	0	-	: :	:						: :	: :	sting Remote
	Connection to existing Tamper and Water-flow switches -C40		Sep/20/24	Sep/26/24	0	- : :		:						: :	: :	existing Tamp
			· ·	· ·	0			:				: : :		: :	: :	
	Cut over and Fire Watch Inspection -C40		Sep/20/24	Sep/23/24	3											ire Watch Insp
	NFPA72 checklist certified by the Contractor -C40		Sep/27/24	Sep/30/24	0											klist certified b
	Fire Marshall approval -C40		Oct/01/24	Oct/04/24	0										1 1	approval -C40
	BART Acceptance -C40	2	Oct/07/24	Oct/08/24	0									I E	ARTAccept	tance -C40
CONS-C40-	Patriot Request Punchlist for Substantial Completion -C40	0		Oct/08/24	0			:						♦ F	atriot Requ	est Punchlist f
Demolition-C			Oct/09/24	Jan/10/25	0				jj.							Jan/10/25, D
CONS-C40-	Removal of Old Fire Alarm System -C40	20	Oct/09/24	Nov/05/24	0			:							I Removal	of Old Fire Al
CONS-C40-	Removal of FA Devices -C40	5	Oct/09/24	Oct/15/24	15		: :	:				: : :			Removal of	FA Devices -C
CONS-C40-	Decommissioning of existing FA system-C40	5	Nov/06/24	Nov/13/24	0			:							■ Decomr	nissioning of
CONS-C40-	Remove excessive wire and conduits-C40	7	Nov/14/24	Nov/22/24	0									1 1	Remov	e excessive v
CONS-C40-	Connection to existing Tamper and Water-flow switches-C40	12	Nov/25/24	Dec/11/24	0			:							Con	nection to exi
CONS-C40-	Punchlist -C40	20	Dec/12/24	Jan/10/25	0											Punchlist -C4
Close-Out-C4			Oct/09/24	Jan/10/25	0									_	1 1	Jan/10/25, Cl
	Prepare and submit final as-built Drawings -C40		Oct/09/24	Nov/05/24	24			:								and submit fin
CONS-C40	O&M Manuals -C40	10	Oct/09/24	Oct/22/24	34			:				: : :			O&M Manu	uals -C40
	Training Manuals -C40		Oct/09/24	Oct/22/24	34										; ;	nuals-C40
	Demobilization for - R20		Oct/09/24	Oct/22/24	54	<del>  </del>			÷							tion for - R20
	Approval of As-built Drawings -C40		Nov/06/24	Dec/05/24	36		: :	:								oval of As-buil
	Substantial Completion - R20	30	1404/00/24		30			:								
		0		Jan/10/25	0										1 1	Substantial C
	Final Acceptance - R20	0	1446-	Jan/10/25	0			:							1 1	Final Accepta
	g & Commessioning		Jan/11/25	Feb/05/25	0							1 1 1				Feb/05/25
TEST-1020	Final Acceptance	6	Jan/11/25	Jan/16/25	0											Final Accepta
TEST-1030	Weather Days	20	Jan/17/25	Feb/05/25	0		: :	:					: :			Weather I





# Start to Start Relationship Table

activity ID	Activity Name	Polationship Type	Log(d) Sussessor ID	Successor Activity Nama	Comments
activity ID	Activity Name As-built Drawings -A40	Relationship Type	Lag(d) Successor ID 24 CONS-A40-1490	Successor Activity Name Approval of As-built Drawings -A40	Comments  Has a FF or FS Successor
	As-built Drawings -A40 As-built Drawings -C40	SS SS		Training Manuals -C40	Has a FF or FS Successor
		SS		Training Manuals -M20	Has a FF or FS Successor
CONS-C40-1390	Connection to existing Tamper and Water-flow switches -C40	SS		Cut over and Fire Watch Inspection -C40	Has a FF or FS Successor
	Core Drilling -A10 (Lake Merritt)	SS		Install Conduits & Boxes -A10 (Concourse Level) Paid Area	Has a FF or FS Successor
	Core Drilling -A30 (Concourse Level)	SS		Install Conduits & Boxes -A10 (Concourse Level) - Free Area	Has a FF or FS Successor
CONS-A10-1440	Decommissioning of existing FA system-A10	SS	0 CONS-A10-1430	Remove excessive wire and conduits-A10	Has a FF or FS Successor
CONS-A30-1390	Decommissioning of existing FA system-A30	SS	0 CONS-A30-1380	Remove excessive wire and conduits-A10	Has a FF or FS Successor
CONS-A40-1480	Decommissioning of existing FA system A50  Decommissioning of existing FA system-A40	SS	0 CONS-A40-1470	Remove excessive wire and conduits A50	Has a FF or FS Successor
CONS-M20-1720	Decommissioning of existing FA system-M20	SS		Remove excessive wire and conduits-M40	Has a FF or FS Successor
CONS-R20-1340	Decommissioning of existing FA system M20	SS	0 CONS-R20-1330	Remove excessive wire and conduits N20	Has a FF or FS Successor
PROC-1100	Fab. & Deliver Conduits and Boxes -A40 & M20	SS	0 PROC-1110	Fab. & Deliver Fire Alarm Cables -A40 & M20	Has a FF or FS Successor
PROC-1100	Fab. & Deliver Conduits and Boxes -A40 & M20	SS	0 PROC-1120	Fab. & Deliver Smoke Detectors & Heat Detectors -A40 & M20	Has a FF or FS Successor
PROC-1100	Fab. & Deliver Conduits and Boxes -A40 & M20	SS	0 PROC-1130	Fab. & Deliver FACU , IRC, Amplifier and Sub FACU -A40 & M20	Has a FF or FS Successor
PROC-1100	Fab. & Deliver Conduits and Boxes -A40 & M20	SS	0 PROC-1140	Fab. & Deliver Notification Appliances -A40 & M20	Has a FF or FS Successor
PROC-1100	Fab. & Deliver Conduits and Boxes -A40 & M20	SS	0 PROC-1150	Fab. & Deliver Painting Materials -A40 & M20	Has a FF or FS Successor
PROC-1170	Fab. & Deliver Conduits and Boxes -R20 & C40	SS	0 PROC-1220	Fab. & Deliver Painting Materials -R20 & C40	Has a FF or FS Successor
PROC-1170	Fab. & Deliver Conduits and Boxes -R20 & C40	SS	0 PROC-1180	Fab. & Deliver Fire Alarm Cables -R20 & C40	Has a FF or FS Successor
PROC-1170	Fab. & Deliver Conduits and Boxes -R20 & C40	SS	0 PROC-1210	Fab. & Deliver Notification Appliances -R20 & C40	Has a FF or FS Successor
PROC-1170	Fab. & Deliver Conduits and Boxes -R20 & C40	SS	0 PROC-1210	Fab. & Deliver Smoke Detectors & Heat Detectors -R20 & C40	Has a FF or FS Successor
PROC-1170	Fab. & Deliver Conduits and Boxes -R20 & C40	SS	0 PROC-1190	Fab. & Deliver FACU , IRC, Amplifier and Sub FACU -R20	Has a FF or FS Successor
PROC-1170	Fab. & Deliver Conduits and Boxes -R20 & C40	SS	0 PROC-1230	Fab. & Deliver Misc. Materials -R20 & C40	Has a FF or FS Successor
PROC-1170		SS	0 PROC-1230	Fab. & Deliver Batteries -A40 & M20	Has a FF or FS Successor
PROC-1130	Fab. & Deliver FACU, IRC, Amplifier and Sub FACU -A40 & M20		0 PROC-1020		
PROC-1200 PROC-1110	Fab. & Deliver FACU , IRC, Amplifier and Sub FACU -R20	SS	0 PROC-1030 0 PROC-1160	Fab. & Deliver Batteries R20 & C40	Has a FF or FS Successor
	Fab. & Deliver Fire Alarm Cables -A40 & M20	SS		Fab. & Deliver Misc. Materials -A40 & M20	Has a FF or FS Successor
CONS-A10-1130	Install & Pull Fire Alarm Cables -A10 (Concourse Free Area)	SS	5 CONS-A10-1230	Install Notification Appliances -A10 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Concourse Free Area)	SS		Install Manual Fire Alarm Pull Station -A10 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Concourse Free Area)	SS		Install Flow Switches -A10 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Concourse Free Area)	SS		Install Smoke and Heat Detectors -A10 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Concourse Level)	SS		Install Notification Appliances -A10 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Concourse Level)	SS		Install Manual Fire Alarm Pull Station -A10 (Concourse Level)	Has a FF or FS Successor Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Concourse Level)	SS		Install Flow Switches -A10 (Concourse Level)	
	Install & Pull Fire Alarm Cables -A10 (Concourse Level)	SS		Install Smoke and Heat Detectors -A10 (Concourse Level)	Has a FF or FS Successor
CONS-A10-1080	Install & Pull Fire Alarm Cables -A10 (Concourse Level)	SS	0 CONS-A10-1070	Install Conduits & Boxes -A10 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A10 (Platform Level)	SS		Install Smoke and Heat Detectors -A10 (Platform Level) Install Manual Fire Alarm Pull Station -A10 (Platform Level)	Has a FF or FS Successor
CONS-A10-1330	Install & Pull Fire Alarm Cables -A10 (Platform Level)	SS SS	5 CONS-A10-1350	,	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Concourse Level)			Install Notification Appliances -A30 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Concourse Level)	SS		Install Smoke and Heat Detectors -A30 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Concourse Level)	SS		Install Flow Switches -A30 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Parking Bridge)	SS		Install Manual Fire Alarm Pull Station -A30 (Parking Bridge)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Parking Bridge)	SS		Install Flow Switches -A30 (Parking Bridge)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Parking Bridge)	SS		Install Smoke and Heat Detectors -A30 (Parking Bridge)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (Platform Level)	SS		Install Manual Fire Alarm Pull Station -A30 (Platform Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A30 (SAB)	SS		Scanning -A10 (Lake Merritt)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A40 (Concourse Free Area)	SS		Install Flow Switches -A40 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A40 (Concourse Free Area)	SS		Install Smoke and Heat Detectors -A40 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A40 (Concourse Level)	SS		Install Manual Fire Alarm Pull Station -A40 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1170	Install & Pull Fire Alarm Cables -A40 (Concourse Level)	SS	14 CONS-A40-1260	Install Flow Switches -A40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A40 (Concourse Level)	SS		Install Smoke and Heat Detectors -A40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A40 (SAB)	SS		Install Smoke and Heat Detectors -A40 (SAB)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -A40 (SAB)	SS		Install Flow Switches -A40 (SAB)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -C40 (Concourse Level)	SS		Install Notification Appliances -C40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -C40 (Concourse Level)	SS		Install Manual Fire Alarm Pull Station -C40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -C40 (Concourse Level)	SS		Install Flow Switches -C40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -C40 (Concourse Level)	SS		Install Smoke and Heat Detectors -C40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -C40 (Concourse Level)	SS		Installation of FACU , IRC, Amplifier, Sub FACU and Panels -C40 (Concourse Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -C40 (Platform Level)	SS		Install Flow Switches -C40 (Platform Level)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -M20 (Concourse East)	SS		Install Conduits & Boxes -M20 (Concourse West) - Muni Primary Paid Area	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -M20 (Concourse Free Area)	SS		Install Flow Switches -M20 (Concourse Free Area)	Has a FF or FS Successor
CONS-M20-1100		SS		Install Notification Appliances -M20 (Concourse Free Area)	Has a FF or FS Successor
	Install & Pull Fire Alarm Cables -M20 (Concourse West)	SS		Install Flow Switches -M20 (Concourse West)	Has a FF or FS Successor
CONS-IVI20-1350	Install & Pull Fire Alarm Cables -M20 (Muni Platform)	SS	5 CUNS-MIZU-1390	Install Smoke and Heat Detectors -M20 (Muni Platform)	Has a FF or FS Successor

activity ID Activity Name	Relationship Type	Lag(d) Successor ID Successor Activity Name	Comments
CONS-M20-1350 Install & Pull Fire Alarm Cables -M20 (Muni Platform)	SS	7 CONS-M20-1400 Install Flow Switches -M20 (Muni Platform)	Has a FF or FS Successor
CONS-M20-1350 Install & Pull Fire Alarm Cables -M20 (Muni Platform)	SS	5 CONS-M20-1410 Install Manual Fire Alarm Pull Station -M20 (Muni Platform)	Has a FF or FS Successor
CONS-M20-1350 Install & Pull Fire Alarm Cables -M20 (Muni Platform)	SS	5 CONS-M20-1420 Install Notification Appliances -M20 (Muni Platform)	Has a FF or FS Successor
CONS-M20-1490 Install & Pull Fire Alarm Cables -M20 (SAB)	SS	0 CONS-M20-1550 Install Manual Fire Alarm Pull Station -M20 (SAB)	Has a FF or FS Successor
CONS-M20-1540 Install & Pull Fire Alarm Cables -M20 (South Platform)	SS	5 CONS-M20-1580 Install Smoke and Heat Detectors -M20 (South Platform)	Has a FF or FS Successor
CONS-M20-1540 Install & Pull Fire Alarm Cables -M20 (South Platform)	SS	5 CONS-M20-1590 Install Flow Switches -M20(South Platform)	Has a FF or FS Successor
CONS-R20-1090 Install & Pull Fire Alarm Cables -R20 (Concourse Level)	SS	0 CONS-R20-1210 Install & Pull Fire Alarm Cables -R20 (Platform Level)	Has a FF or FS Successor
CONS-R20-1090 Install & Pull Fire Alarm Cables -R20 (Concourse Level)	SS	8 CONS-R20-1130 Install Notification Appliances -R20 (Concourse Level)	Has a FF or FS Successor
CONS-R20-1090 Install & Pull Fire Alarm Cables -R20 (Concourse Level)	SS	8 CONS-R20-1120 Install Manual Fire Alarm Pull Station -R20 (Concourse Level)	Has a FF or FS Successor
CONS-R20-1090 Install & Pull Fire Alarm Cables -R20 (Concourse Level)	SS	8 CONS-R20-1110 Install Flow Switches -R20 (Concourse Level)	Has a FF or FS Successor
CONS-R20-1090 Install & Pull Fire Alarm Cables -R20 (Concourse Level)	SS	8 CONS-R20-1100 Install Smoke and Heat Detectors -R20 (Concourse Level)	Has a FF or FS Successor
CONS-A10-1030 Install Conduits & Boxes -A10 (Concourse Level) Paid Area	SS	0 CONS-A10-1300 Install Conduits & Boxes -A10 (Platform Level)	Has a FF or FS Successor
CONS-A10-1030 Install Conduits & Boxes -A10 (Concourse Level) Paid Area	SS	0 CONS-A10-1050 Install Conduits & Boxes -A10 (Concourse Level) Elec. Room, Storage, Offices and Break Room	Has a FF or FS Successor
CONS-A30-1020 Install Conduits & Boxes -A30 (Concourse Level) - Free Area	SS	0 CONS-A30-1040 Install Conduits & Boxes -A30 (Parking Bridge)	Has a FF or FS Successor
CONS-A30-1020 Install Conduits & Boxes -A30 (Concourse Level) - Free Area	SS	0 CONS-A30-1070 Install Conduits & Boxes -A30 (SAB)	Has a FF or FS Successor
CONS-A30-1020 Install Conduits & Boxes -A30 (Concourse Level) - Free Area	SS	0 CONS-A10-1010 Install Conduits & Boxes -A10 Sub (Lake Merritt Substation)	Has a FF or FS Successor
CONS-A30-1030 Install Conduits & Boxes -A30 (Concourse Level) - Paid Area	SS	0 CONS-A30-1050 Install Conduits & Boxes -A30 (Concourse Level) - (FAN- Battery- Train Control) Rooms	Has a FF or FS Successor
CONS-A30-1040 Install Conduits & Boxes -A30 (Parking Bridge)	SS	0 CONS-A30-1080 Install Conduits & Boxes -A30 (Platform Level)	Has a FF or FS Successor
CONS-A40-1070 Install Conduits & Boxes -A40 (Concourse Free Area)	SS	10 CONS-A40-1130 Install & Pull Fire Alarm Cables -A40 (Concourse Free Area)	Has a FF or FS Successor
CONS-A40-1050 Install Conduits & Boxes -A40 (Concourse Level) Paid Area	SS	3 CONS-A40-1070 Install Conduits & Boxes -A40 (Concourse Free Area)	Has a FF or FS Successor
CONS-A40-1050 Install Conduits & Boxes -A40 (Concourse Level) Paid Area	SS	4 CONS-A40-1090 Install Conduits & Boxes -A40 (SAB)	Has a FF or FS Successor
CONS-A40-1240 Install Conduits & Boxes -A40 (Platform Level) (3-7)	SS	8 CONS-A40-1340 Install & Pull Fire Alarm Cables -A40 (Platform Level)	Has a FF or FS Successor
CONS-A40-1090 Install Conduits & Boxes -A40 (SAB)	SS	8 CONS-A40-1140 Install & Pull Fire Alarm Cables -A40 (SAB)	Has a FF or FS Successor
CONS-C40-1060 Install Conduits & Boxes -C40 (Platform Level) West	SS	3 CONS-C40-1130 Install & Pull Fire Alarm Cables -C40 (Platform Level)	Has a FF or FS Successor
CONS-C40-1060 Install Conduits & Boxes -C40 (Platform Level) West	SS	5 CONS-C40-1110 Install Conduits & Boxes -C40 (Platform Level) East	Has a FF or FS Successor
CONS-C40-1040 Install Conduits & Boxes -C40 (Concourse Level) Free Area.	SS	5 CONS-C40-1150 Install & Pull Fire Alarm Cables -C40 (Concourse Level)	Has a FF or FS Successor
CONS-C40-1040 Install Conduits & Boxes -C40 (Concourse Level) Free Area.	SS	5 CONS-C40-1060 Install Conduits & Boxes -C40 (Platform Level) West	Has a FF or FS Successor
CONS-M20-1040 Install Conduits & Boxes -M20 (Concourse Free Area) (4-7)	SS	10 CONS-M20-1150 Install Smoke and Heat Detectors -M20 (Concourse Free Area)	Has a FF or FS Successor
CONS-M20-1430 Install Conduits & Boxes -M20 (South Platform)	SS	5 CONS-M20-1500 Install Conduits & Boxes -M20 (North Platform)	Has a FF or FS Successor
CONS-M20-1140 Install Conduits & Boxes -M20 (Concourse East) Muni Secondry Paid Area	SS	12 CONS-M20-1220 Install Flow Switches -M20 (Concourse East)	Has a FF or FS Successor
CONS-M20-1240 Install Conduits & Boxes -M20 (Concourse West) - Muni Primary Paid Area	SS	10 CONS-M20-1340 Install & Pull Fire Alarm Cables -M20 (Concourse West)	Has a FF or FS Successor
CONS-M20-1330 Install Conduits & Boxes -M20 (Muni Platform)	SS	10 CONS-M20-1350 Install & Pull Fire Alarm Cables -M20 (Muni Platform)	Has a FF or FS Successor
CONS-M20-1450 Install Conduits & Boxes -M20 (SAB)	SS	4 CONS-M20-1490 Install & Pull Fire Alarm Cables -M20 (SAB)	Has a FF or FS Successor
CONS-R20-1080 Install Conduits & Boxes -R20 (Concourse Level)	SS	11 CONS-R20-1090 Install & Pull Fire Alarm Cables -R20 (Concourse Level)	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 CONS-C40-1040 Install Conduits & Boxes -C40 (Concourse Level) Free Area.	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 CONS-R20-1030 Install & Pull Fire Alarm Cables -R20 Sub	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 CONS-R20-1020 Core Drilling -R20	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 MS-1100 Start Milestone for - R20	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 CONS-C40-1150 Install & Pull Fire Alarm Cables -C40 (Concourse Level)	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 CONS-C40-1030 Core Drilling -C40 (Concourse Level)	Has a FF or FS Successor
CONS-R20-1000 Install Conduits & Boxes -R20 Sub	SS	0 MS-1110 Start Milestone for - C40	Has a FF or FS Successor
CONS-A30-1260 Install Elevator & Escalator Shutdown& Recall Modular-A30 (Concourse Level)	SS	0 CONS-A30-1300 Installation of FACU , IRC, Amplifier, Sub FACUA30 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1320 Install Elevator( Escalator) Shutdown& Recall Modular-A40 (Concourse Level)	SS	0 CONS-A40-1290 Installation of FACU, IRC, Amplifier, Sub FACU and Panels -A40 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1260 Install Flow Switches -A40 (Concourse Level)	SS	0 CONS-A40-1320 Install Elevator( Escalator) Shutdown& Recall Modular-A40 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1260 Install Flow Switches -A40 (Concourse Level)	SS	0 CONS-A40-1310 Install Faregate Control & Emergency Barrier Opening-A40 (Concourse Level)	Has a FF or FS Successor
CONS-C40-1180 Install Flow Switches -C40 (Concourse Level)	SS	0 CONS-C40-1240 Install Faregate Control & Emergency Barrier Opening-C40 (Concourse Level)	Has a FF or FS Successor
CONS-A30-1160 Install Manual Fire Alarm Pull Station -A30 (Concourse Level)	SS	5 CONS-A30-1250 Install Faregate Control & Emergency Barrier Opening-A30 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1270 Install Manual Fire Alarm Pull Station -A40 (Concourse Level)	SS	0 CONS-A40-1320 Install Elevator( Escalator) Shutdown& Recall Modular-A40 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1270 Install Manual Fire Alarm Pull Station -A40 (Concourse Level)	SS	0 CONS-A40-1310 Install Faregate Control & Emergency Barrier Opening-A40 (Concourse Level)	Has a FF or FS Successor
CONS-C40-1190 Install Manual Fire Alarm Pull Station -C40 (Concourse Level)	SS	0 CONS-C40-1240 Install Faregate Control & Emergency Barrier Opening-C40 (Concourse Level)	Has a FF or FS Successor
CONS-A10-1360 Install Notification Appliances -A10 (Platform Level)	SS	3 CONS-A10-1380 Paint Exposed Conduits -A10 (Platform Level)	Has a FF or FS Successor
CONS-A30-1290 Install Notification Appliances -A30 (Platform Level)	SS	4 CONS-A30-1310 Pre-testing by Contractor to be ready for testing in prescene of BART -A30	Has a FF or FS Successor
CONS-A40-1300 Install Notification Appliances -A40 (Concourse Level)	SS	0 CONS-A40-1320 Install Elevator( Escalator) Shutdown& Recall Modular-A40 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1300 Install Notification Appliances -A40 (Concourse Level)	SS	0 CONS-A40-1310 Install Faregate Control & Emergency Barrier Opening-A40 (Concourse Level)	Has a FF or FS Successor
CONS-A40-1380 Install Notification Appliances -A40 (Platform Level)	SS	0 CONS-A40-1390 Paint Exposed Conduits -A40 (Platform Level)	Has a FF or FS Successor
CONS-C40-1200 Install Notification Appliances -C40 (Concourse Level)	SS	0 CONS-C40-1240 Install Faregate Control & Emergency Barrier Opening-C40 (Concourse Level)	Has a FF or FS Successor
CONS-M20-1380 Install Notification Appliances -M20 (Concourse West)	SS	0 CONS-M20-1450 Install Conduits & Boxes -M20 (SAB)	Has a FF or FS Successor
CONS-M20-1180 Install Notification Appliances -M20 (Concourse East)	SS	4 CONS-M20-1240 Install Conduits & Boxes -M20 (Concourse West) - Muni Primary Paid Area	Has a FF or FS Successor
CONS-M20-1180 Install Notification Appliances -M20 (Concourse East)	SS	0 CONS-M20-1190 Install Conduits & Boxes -M20 (Muni Concourse)	Has a FF or FS Successor
CONS-M20-1290 Install Notification Appliances -M20 (Muni Concourse)	SS	0 CONS-M20-1610 Installation of FACU , IRC, Amplifier, Sub FACU and Panels -M20 (Muni Concourse)	Has a FF or FS Successor
CONS-M20-1650 Install Notification Appliances -M20 (North Platform)	SS	0 CONS-M20-1620 Paint Exposed Conduits -M20(South Platform)	Has a FF or FS Successor
CONS-A30-1150 Install Smoke and Heat Detectors -A30 (Concourse Level)	SS	0 CONS-A30-1250 Install Faregate Control & Emergency Barrier Opening-A30 (Concourse Level)	Has a FF or FS Successor

1995-1997    199	activity ID	Activity Name	Relationship Type	Lag(d) Successor ID	Successor Activity Name	Comments
CONSTRUCTION   CONS		<u> </u>		<u> </u>	·	
1509-1509-1509-1509-1509-1509-1509-1509-						
100 Mod   100   100 Mod   100   100 Mod   100   100 Mod   100 Mo		,				
1006-1001-0015   Intelligence and Performance 1920   Part Agriculture   Part Agricultur		, ,			• •	
Column   C		·			· · · · · · · · · · · · · · · · · · ·	
Company   Comp		· ,			, , , , , , , , , , , , , , , , , , , ,	
CREATION		· · · ·	SS		, ,	
Color   Colo		· /	SS			Has a FF or FS Successor
1000   1000	CONS-A40-1290	Installation of FACU , IRC, Amplifier, Sub FACU and Panels -A40 (Concourse Level)	SS	2 CONS-A40-1400	Pre-testing by Contractor to be ready for testing in prescene of BART -A40	Has a FF or FS Successor
1995   1995	CONS-C40-1230	Installation of FACU , IRC, Amplifier, Sub FACU and Panels -C40 (Concourse Level)	SS	0 CONS-C40-1010	Disconnect Power and Wiring - C40	Has a FF or FS Successor
1995-1-10   Containing out streeting fewords encoding registerate for Ala (1995 A. 1995 S. 10 C. 1995 A. 1995 S. 1995 A. 1995 S. 1995 A. 1995 S. 1995 A. 1995 S. 199	CONS-R20-1140	Installation of SUB FACU , IRC, Amplifier and Panels -R20 Sub	SS	2 CONS-R20-1150		Has a FF or FS Successor
COMPAGN   1941   Statiling and latering features aroundour systems and to MARCO \$7.00   5   0.000   COMPAGN   1941   COMPAG			SS	0 CONS-A10-1420	Removal of Old Fire Alarm System -A10	Has a FF or FS Successor
1000-1406-2400   1000-1400-2400-2400   1000-1400-2400   1000-1400-2400   1000-1400-2400   1000-14000-2400	CONS-A10-1410	Installing and testing Remote monitoring system tied to BAR OSY -A10	SS	0 CONS-A10-1460	As-built Drawings -A10	Has a FF or FS Successor
Company   December	CONS-A10-1410	Installing and testing Remote monitoring system tied to BAR OSY -A10	SS	0 CONS-A10-1470	FireWatch Inspection -A10	Has a FF or FS Successor
Class August   March	CONS-A40-1430	Installing and testing Remote monitoring system tied to BAR OSY -A40	SS	0 CONS-A40-1440	As-built Drawings -A40	Has a FF or FS Successor
CRUS 50.07	CONS-A40-1430	Installing and testing Remote monitoring system tied to BAR OSY -A40	SS	0 CONS-A40-1560	FireWatch Inspection -A40	Has a FF or FS Successor
PK-64   100    Mobilisation for A8D   Sample ABD (Consourse level)   Sample ABD (Consourse	CONS-M20-1690	Installing and testing Remote monitoring system tied to BAR OSY -M20	SS	0 CONS-M20-1730	Cut over and Fire Watch Inspection -M20	Has a FF or FS Successor
PCM   Model	CONS-R20-1280	Installing and testing Remote monitoring system tied to BAR OSY -R20	SS	0 CONS-R20-1390	Cut over and Fire Watch Inspection -R20	Has a FF or FS Successor
PC-01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	PC-M-1010	Mobilization for A30	SS	0 CONS-A30-1000	Scanning -A30 (Concourse Level)	Has a FF or FS Successor
PC-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	PC-M-1020	Mobilization for A40	SS	0 PROC-1100	Fab. & Deliver Conduits and Boxes -A40 & M20	Has a FF or FS Successor
PCM-043200   Mobilization for PG2	PC-M-1050	Mobilization for C40	SS	0 CONS-C40-1040	Install Conduits & Boxes -C40 (Concourse Level) Free Area.	Has a FF or FS Successor
PR-M-1000   Molitation for 120	PC-M-1040	Mobilization for M20	SS	0 PC-M-1020	Mobilization for A40	Has a FF or FS Successor
COUNS-402-1490   NFPAZ Deschist certified by the Contractor -820   55   0.00 (NF-R02-1490)   A-built Drawings -420   Has a FF or FS successor (CONS-807) 290   NFPAZ Deschist certified by the Contractor -820   55   0.00 (NF-R02-1490)   A-built Drawings -420   Has a FF or FS successor (CONS-807) 290   NFPAZ Deschist certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ Deschist Certified by the Contractor -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a FF or FS successor (NF-R02-1490)   NFPAZ DESCRIPT -820   Has a	PC-M-1030	Mobilization for R20	SS	0 CONS-R20-1000	Install Conduits & Boxes -R20 Sub	Has a FF or FS Successor
CONS-R201-200   NPAP2 (necklist certified by the Contractor - R20   SS	PC-M-1030	Mobilization for R20	SS	5 PC-M-1050	Mobilization for C40	Has a FF or FS Successor
Separate	CONS-A30-1460	NFPA72 checklist certified by the Contractor -A30	SS	0 CONS-A30-1490	FireWatch Inspection -A30	Has a FF or FS Successor
MS-1000 NTP	CONS-R20-1290	NFPA72 checklist certified by the Contractor -R20	SS	0 CONS-R20-1400	As-built Drawings -R20	Has a FF or FS Successor
MS-1000   NTP	CONS-R20-1290	NFPA72 checklist certified by the Contractor -R20	SS	0 CONS-R20-1310	Removal of Old Fire Alarm System -R20	Has a FF or FS Successor
MS-1000   NTP	MS-1000	NTP	SS	134 SUB-A10-1050	Prepare and Submit Lake Meritt Station Shop drawings -A10	Has a FF or FS Successor
MS-1000   MTP	MS-1000	NTP	SS	134 SUB-A10-1000	•	Has a FF or FS Successor
MS   1000   MTP   MS   134 SUB-A10-1040   Percent and Submit Test Procedure & Review A-10   Has a Fir or FS Successor MS   1000   MTP   SS   250 Per-1010   Review Approve Permits for Lake Mertit & Collection   Has a Fir or FS Successor MS   1000   MTP   SS   250 Per-1010   Review Approve Permits for Montgomery, & San Leandro   Has a Fir or FS Successor MS   1000   MTP   SS   1000   MTP	MS-1000	NTP	SS	134 SUB-A10-1020	Prepare and Submit CIP -A10	Has a FF or FS Successor
May 1000   MP	MS-1000	NTP	SS	134 SUB-A10-1030	Prepare and Submit Design & Calcs -A10	Has a FF or FS Successor
MS 1000   NTP   SS   SS   SS   Per 1010   ReviewApprove Permits for Montgomery & San Leandro   Has a F for FS Successor   MS 1000   NTP   SS   SS   SS   Per 1010   ReviewApprove Permits for Reviewley & Walnut Creek   Has a F for FS Successor   MS 1000   NTP   SS   SS   SS   SS   SS   SS   SS	MS-1000	NTP	SS	134 SUB-A10-1040	Prepare and Submit Test Procedure & Review -A10	Has a FF or FS Successor
MS-1000 NP	MS-1000	NTP	SS	104 Per-1000	Review&Approve Permits for Lake Merritt & Coliseum	Has a FF or FS Successor
M5-1000 NP	MS-1000	NTP	SS	250 Per-1010		Has a FF or FS Successor
M5-1000 NTP	MS-1000	NTP	SS	450 Per-1020	Review&Approve Permits for Berkeley& Walnut Creek	Has a FF or FS Successor
M5-1000 NTP   SS   350 SUB-CAD-1050   Prepare and Submit Variety Station Shop drawings -C40   Has a FF or FS Successor M5-1000 NTP   SS   230 SUB-ADD-1050   Prepare and Submit San Leandro Station Shop drawings -ADD   Has a FF or FS Successor M5-1000 NTP   SS   34 SUB-1000   Prepare and Submit San Leandro Station Shop drawings -ADD   Has a FF or FS Successor M5-1000 NTP   SS   34 SUB-1000   Prepare and Submit Safety Plan   Has a FF or FS Successor M5-1000 NTP   SS   152 SUB-1040   Prepare and Submit Safety Plan   Has a FF or FS Successor M5-1000 NTP   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Safety Plan   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Safety Plan   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Safety Plan   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Safety Plan   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Cellseum Station Shop drawings -A30   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Design & Cales -A30   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Safety P-A30   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Test Procedure & Review -A30   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Test Procedure & Review -A30   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Safety P-A30   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Test Procedure & Review -A40   Has a FF or FS Successor M5-1000 NTP   SS   134 SUB-A30-1000   Prepare and Submit Test Procedure & Review -A40	MS-1000	NTP	SS	0 PC-M-1040	Mobilization for M20	Has a FF or FS Successor
MS-1000 NTP	MS-1000	NTP	SS		7 1 0	
MS-1000 NTP   SS   134 SUB-A30-1010   Prepare and Submit SSWP - (General).	MS-1000	NTP	SS	350 SUB-C40-1050	Prepare and Submit Walnut Creek Station Shop drawings -C40	Has a FF or FS Successor
MS-1000 NTP   SS   34 SUB-1000   Prepare and Submit SSMP - (Ceneral).	MS-1000				Prepare and Submit San Leandro Station Shop drawings -A40	
MS-1000 NTP SS 152 SUB-1020 Prepare and Submit Sety Plan Has a FF or FS Successor MS-1000 NTP SS 152 SUB-1040 Prepare and Submit Stefy Plan Has a FF or FS Successor MS-1000 NTP SS 152 SUB-1040 Prepare and Submit Site Specific Emergency Plan Has a FF or FS Successor MS-1000 NTP SS 134 SUB-A30-1000 Prepare and Submit Site Specific Emergency Plan Has a FF or FS Successor MS-1000 NTP SS 134 SUB-A30-1000 Prepare and Submit Stefan Shop drawings -A30 Has a FF or FS Successor MS-1000 NTP SS 134 SUB-A30-1000 Prepare and Submit CIP -A30 Has a FF or FS Successor MS-1000 NTP SS 134 SUB-A30-1040 Prepare and Submit Security Plan Has a FF or FS Successor MS-1000 NTP SS 135 SUB-1040 Prepare and Submit Security Plan Has a FF or FS Successor MS-1000 NTP SS 134 SUB-A30-1050 Prepare and Submit Security Plan Has a FF or FS Successor MS-1000 NTP SS 134 SUB-A30-1050 Prepare and Submit Security Plan Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1020 Prepare and Submit Security Plan Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1020 Prepare and Submit SEVEN-A30 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1020 Prepare and Submit SEVEN-A30 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1020 Prepare and Submit SEVEN-A30 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1020 Prepare and Submit SEVEN-A30 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A30 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NTP SS 125 SUB-A30-1000 Prepare and Submit SEVEN-A40 Has a FF or FS Successor MS-1000 NT	MS-1000				Prepare and Submit Abatement Plan -A30	
M5-1000         NTP         SS         152 SUB-1030         Prepare and Submit QC Plan         Has a FF or FS Successor           M5-1000         NTP         SS         152 SUB-1040         Prepare and Submit Closeum Station Shop drawings -A30         Has a FF or FS Successor           M5-1000         NTP         SS         134 SUB-A30-1000         Prepare and Submit Closeum Station Shop drawings -A30         Has a FF or FS Successor           M5-1000         NTP         SS         134 SUB-A30-1030         Prepare and Submit Closeum Station Shop drawings -A30         Has a FF or FS Successor           M5-1000         NTP         SS         134 SUB-A30-1030         Prepare and Submit Security Plan         Has a FF or FS Successor           M5-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Security Plan         Has a FF or FS Successor           M5-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Security Plan         Has a FF or FS Successor           M5-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SWP -A30         Has a FF or FS Successor           M5-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SWP -A30         Has a FF or FS Successor           M5-1000         NTP         SS         230 SUB-A40-1020 <td>MS-1000</td> <td></td> <td></td> <td></td> <td>Prepare and Submit SSWP -(General).</td> <td></td>	MS-1000				Prepare and Submit SSWP -(General).	
MS-1000         NTP         SS         152 SUB-1040         Prepare and Submit Site Specific Emergency Plan         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1030         Prepare and Submit Coll-A30         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1030         Prepare and Submit COP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1040         Prepare and Submit Design & Calcs -A30         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Design & Calcs -A30         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Test Procedure & Review -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1020         Prepare	MS-1000	NTP		152 SUB-1020	Prepare and Submit Safety Plan	Has a FF or FS Successor
MS-1000         NTP         SS         134 SUB-A30-1000         Prepare and Submit Coliseum Station Shop drawings -A30         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1030         Prepare and Submit Coliseum Station Shop drawings -A30         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1040         Prepare and Submit Security Plan         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Security Plan         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit SSWP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         P	MS-1000				· · · · · · · · · · · · · · · · · · ·	
MS-1000         NTP         SS         134 SUB-A30-1030         Prepare and Submit CIP -A30         Has a Fr or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1040         Prepare and Submit Design & Calcs -A30         Has a Fr or FS Successor           MS-1000         NTP         SS         152 SUB-1050         Prepare and Submit Test Procedure & Review -A30         Has a Fr or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit Test Procedure & Review -A30         Has a Fr or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a Fr or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1010         Prepare and Submit SSWP -A10         Has a Fr or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit SSWP -A40         Has a Fr or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit SSWP -A40         Has a Fr or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit SSWP -A40         Has a Fr or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submi	MS-1000					
MS-1000         NTP         SS         134 SUB-A30-1040         Prepare and Submit Design & Calcs -A30         Has a FF or FS Successor           MS-1000         NTP         SS         152 SUB-1050         Prepare and Submit Security Plan         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1020         Prepare and Submit Test Procedure & Review -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A10-1010         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1010         Prepare and Submit SSWP -A10         Has a FF or FS Successor           MS-1000         NTP         SS         235 SUB-A40-1010         Prepare and Submit SSWP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1020         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1030         Prepare and Submit Design & Calcs -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1040         Prepare and Submit Mon	MS-1000					
MS-1000         NTP         SS         152 SUB-1050         Prepare and Submit Security Plan         Has a FF or FS Successor           MS-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Test Procedure & Review -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A10-1010         Prepare and Submit SSWP -A10         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1020         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1020         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1020         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1020         Prepare and Submit Montgomery Station Shop drawings -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-M20-1000         Prepare and Submi	MS-1000				· ·	
MS-1000         NTP         SS         134 SUB-A30-1050         Prepare and Submit Test Procedure & Review -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A30-1020         Prepare and Submit SSWP -A30         Has a FF or FS Successor           MS-1000         NTP         SS         122 SUB-A10-1010         Prepare and Submit SSWP -A10         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit SSWP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         235 SUB-A40-1000         Prepare and Submit SSWP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit CIP -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1000         Prepare and Submit Design & Calcs -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-A40-1030         Prepare and Submit Design & Calcs -A40         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-M20-1050         Prepare and Submit Montgomery Station Shop drawings -M20         Has a FF or FS Successor           MS-1000         NTP         SS         230 SUB-M20-1000	MS-1000					
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MS-1000 NTP SS 230 SUB-A40-1000 Prepare and Submit Abatement Plan -A40 Has a FF or FS Successor MS-1000 NTP SS 255 SUB-A40-1010 Prepare and Submit SSWP -A40 Prepare and Submit CIP -A40 Has a FF or FS Successor MS-1000 NTP SS 255 SUB-A40-1030 Prepare and Submit Design & Calcs -A40 Has a FF or FS Successor MS-1000 NTP SS 255 SUB-A40-1030 Prepare and Submit Design & Calcs -A40 Has a FF or FS Successor MS-1000 NTP SS 255 SUB-A40-1040 Prepare and Submit Test Procedure & Review -A40 Has a FF or FS Successor MS-1000 NTP Prepare and Submit Test Procedure & Review -A40 Has a FF or FS Successor MS-1000 NTP Prepare and Submit Montgomery Station Shop drawings -M20 Has a FF or FS Successor MS-1000 NTP Prepare and Submit Abatement Plan -M20 Prepare and Submit SSWP -M20 Prep					·	
MS-1000 NTP SS 225 SUB-A40-1010 Prepare and Submit SSWP -A40 Has a FF or FS Successor MS-1000 NTP Prepare and Submit CIP -A40 Prepare and Submit CIP -A40 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-A40-1030 Prepare and Submit Design & Calcs -A40 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-A40-1040 Prepare and Submit Test Procedure & Review -A40 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1050 Prepare and Submit Montgomery Station Shop drawings -M20 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1050 Prepare and Submit Montgomery Station Shop drawings -M20 Has a FF or FS Successor MS-1000 NTP Prepare and Submit Abatement Plan -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1010 Prepare and Submit SSWP -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1010 Prepare and Submit CIP -M20 Prepare and Submit CIP -M20 Has a FF or FS Successor NTP NTP SS 250 SUB-M20-1010 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor NTP NTP SS 250 SUB-M20-1010 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor NTP NTP SS SUCCESSOR						
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MS-1000 NTP SS 230 SUB-M20-1050 Prepare and Submit Montgomery Station Shop drawings -M20 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1000 Prepare and Submit Abatement Plan -M20 Has a FF or FS Successor MS-1000 NTP SS 225 SUB-M20-1010 Prepare and Submit SSWP -M20 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1020 Prepare and Submit CIP -M20 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 230 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 Has a FF or FS Successor MS-1000 NTP SS 250 SUB-M20-1030 Prepare and Submit Design & Calcs -M20 SUB-M20-1030 SU	MS-1000					
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MS-1000 NTP SS 230 SUB-M20-1040 Prepare and Submit Test Procedure & Review -M20 Has a FF or FS Successor						
	MS-1000	NIP	SS	230 SUB-M20-1040	Prepare and Submit Test Procedure & Review -M20	Has a FF or FS Successor

activity ID	Activity Name	Relationship Type	Lag(d) Successor ID	Successor Activity Name	Comments
MS-1000	NTP	SS SS	350 SUB-R20-1000	Prepare and Submit Abatement Plan -R20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-R20-1010	Prepare and Submit Abatement Flati-N20  Prepare and Submit SSWP -R20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-R20-1020	Prepare and Submit CIP -R20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-R20-1030	Prepare and Submit Cir - R20  Prepare and Submit Design & Calcs - R20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-R20-1040	Prepare and Submit Design & Calcs 1820  Prepare and Submit Test Procedure & Review -R20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-C40-1000	Prepare and Submit Test Procedure & Review - R20  Prepare and Submit Abatement Plan - C40	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-C40-1010	Prepare and Submit SSWP -C40	Has a FF or FS Successor
MS-1000	NTP		350 SUB-C40-1010	·	Has a FF or FS Successor
MS-1000	NTP	SS	350 SUB-C40-1030	Prepare and Submit CIP -C40	
MS-1000	NTP	SS SS	350 SUB-C40-1030 350 SUB-C40-1040	Prepare and Submit Design & Calcs -C40 Prepare and Submit Test Procedure & Review -C40	Has a FF or FS Successor Has a FF or FS Successor
MS-1000	NTP			•	Has a FF or FS Successor
MS-1000	NTP	SS	152 SUB-1060	Prepare and Submit Baseline Schedule	
		SS	152 SUB-1070	Prepare and Submit Schedule of Variance	Has a FF or FS Successor
MS-1000	NTP	SS	152 SUB-1080	Prepare and Submit Management Plan	Has a FF or FS Successor
MS-1000	NTP	SS	35 SUB-MAT-1000	Prepare and Submit Smoke Detectors & Heat Detectors .	Has a FF or FS Successor
MS-1000	NTP	SS	120 SUB-MAT-1040	Prepare and Submit Batteries.	Has a FF or FS Successor
MS-1000	NTP	SS	134 SUB-A30-1060	Prepare and Submit Coring Plan and Scanning-A30	Has a FF or FS Successor
MS-1000	NTP	SS	134 SUB-A10-1060	Prepare and Submit Coring Plan and Scanning-A10	Has a FF or FS Successor
MS-1000	NTP	SS	60 SUB-MAT-1060	Prepare and Submit Conduits and Boxes .	Has a FF or FS Successor
MS-1000	NTP	SS	240 SCAN-1000	Scanning -A40	Has a FF or FS Successor
MS-1000	NTP	SS	240 SCAN-1010	Scanning -M20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SCAN-1020	Scanning -R20	Has a FF or FS Successor
MS-1000	NTP	SS	350 SCAN-1030	Scanning -C40	Has a FF or FS Successor
CONS-A40-1390	Paint Exposed Conduits -A40 (Platform Level)	SS		Pre-testing by Contractor to be ready for testing in prescene of BART -A40	Has a FF or FS Successor
CONS-C40-1260	Paint Exposed Conduits -C40 (Concourse Level)	SS		Paint Exposed Conduits -C40 (Platform Level)	Has a FF or FS Successor
SUB-MAT-1060	Prepare and Submit Conduits and Boxes .	SS	0 SUB-MAT-1070	Prepare and Submit Fire Alarm Cables .	Has a FF or FS Successor
SUB-MAT-1010	Prepare and Submit FACU , IRC, Amplifier and Sub FACU	SS	0 SUB-MAT-1020	Prepare and Submit Notification Appliances .	Has a FF or FS Successor
SUB-MAT-1000	Prepare and Submit Smoke Detectors & Heat Detectors .	SS	60 SUB-MAT-1010	Prepare and Submit FACU , IRC, Amplifier and Sub FACU	Has a FF or FS Successor
SUB-MAT-1000	Prepare and Submit Smoke Detectors & Heat Detectors .	SS	60 SUB-MAT-1030	Prepare and Submit Misc. Materials .	Has a FF or FS Successor
CONS-M20-1660		SS		Pre-testing by Contractor in presence of BART -M20	Has a FF or FS Successor
CONS-A10-1450	Removal of FA Devices -A10	SS	0 CONS-A10-1440	Decommissioning of existing FA system-A10	Has a FF or FS Successor
CONS-A10-1420	·	SS	0 CONS-A10-1450	Removal of FA Devices -A10	Has a FF or FS Successor
CONS-A10-1420	Removal of Old Fire Alarm System -A10	SS	0 CONS-A10-1640	Punclist -A10	Has a FF or FS Successor
CONS-A30-1360	Removal of Old Fire Alarm System -A30	SS	0 CONS-A30-1370		Has a FF or FS Successor
CONS-A40-1450	Removal of Old Fire Alarm System -A40	SS	0 CONS-A40-1460	Removal of FA Devices -A40	Has a FF or FS Successor
CONS-C40-1330	Removal of Old Fire Alarm System -C40	SS		Removal of FA Devices -C40	Has a FF or FS Successor
CONS-C40-1330	Removal of Old Fire Alarm System -C40	SS	0 CONS-C40-1470	Punchlist -C40	Has a FF or FS Successor
CONS-M20-1700	Removal of Old Fire Alarm System -M20	SS	0 CONS-M20-1710	Removal of FA Devices -M20	Has a FF or FS Successor
CONS-M20-1700	Removal of Old Fire Alarm System -M20	SS	5 CONS-R20-1000	Install Conduits & Boxes -R20 Sub	Has a FF or FS Successor
CONS-R20-1310	Removal of Old Fire Alarm System -R20	SS	0 CONS-R20-1480	Punchlist -R20	Has a FF or FS Successor
CONS-A30-1380	Remove excessive wire and conduits-A30	SS	0 CONS-A30-1450	Demobilization for A30	Has a FF or FS Successor
CONS-M20-1740	Remove excessive wire and conduits-M20	SS	5 CONS-M20-2520	Demobilization for - M20	Has a FF or FS Successor
REV-C40-1000	Review and Approve Abatement Plan -C40	SS	0 REV-C40-1010	Review and Approve SSWP -C40	Has a FF or FS Successor
REV-C40-1020	Review and Approve CIP -C40	SS	0 REV-C40-1030	Review and Approve Design & Calcs -C40	Has a FF or FS Successor
CONS-A10-1000	Scanning -A10 (Lake Merritt)	SS	0 MS-1070	Start Milestone for - A10	Has a FF or FS Successor
CONS-A30-1000	Scanning -A30 (Concourse Level)	SS	0 CONS-A30-1010	Core Drilling -A30 (Concourse Level)	Has a FF or FS Successor
CONS-A30-1000	Scanning -A30 (Concourse Level)	SS	0 MS-1060	Start Milestone for - A30	Has a FF or FS Successor
MS-1070	Start Milestone for - A10	SS	0 SUM-1010	Summery for - A10	Has a FF or FS Successor
MS-1060	Start Milestone for - A30	SS	0 SUM-1000	Summery for - A30	Has a FF or FS Successor
MS-1080	Start Milestone for - A40	SS	0 SUM-1020	Summery for - A40	Has a FF or FS Successor
MS-1110	Start Milestone for - C40	SS	0 SUM-1050	Summery for - C40	Has a FF or FS Successor
MS-1090	Start Milestone for - M20	SS	0 SUM-1030	Summery for - M20	Has a FF or FS Successor
MS-1100	Start Milestone for - R20	SS	0 SUM-1040	Summery for - R20	Has a FF or FS Successor
CONS-C40-2520	Training Manuals -C40	SS	0 CONS-C40-2510	O&M Manuals -C40	Has a FF or FS Successor