

NNK16CA09C Schedule



Main Contractor: Maverick Constructors, LLC



**HSE CONTRACTORS INC.
CPM SCHEDULING CONSULTANTS**

Schedule Update Narrative Report

Project Start Date	August 23rd, 2016
Current Data Date	June 30th, 2021
Forecasted Completion Date	February 11th, 2022

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1. Introduction:

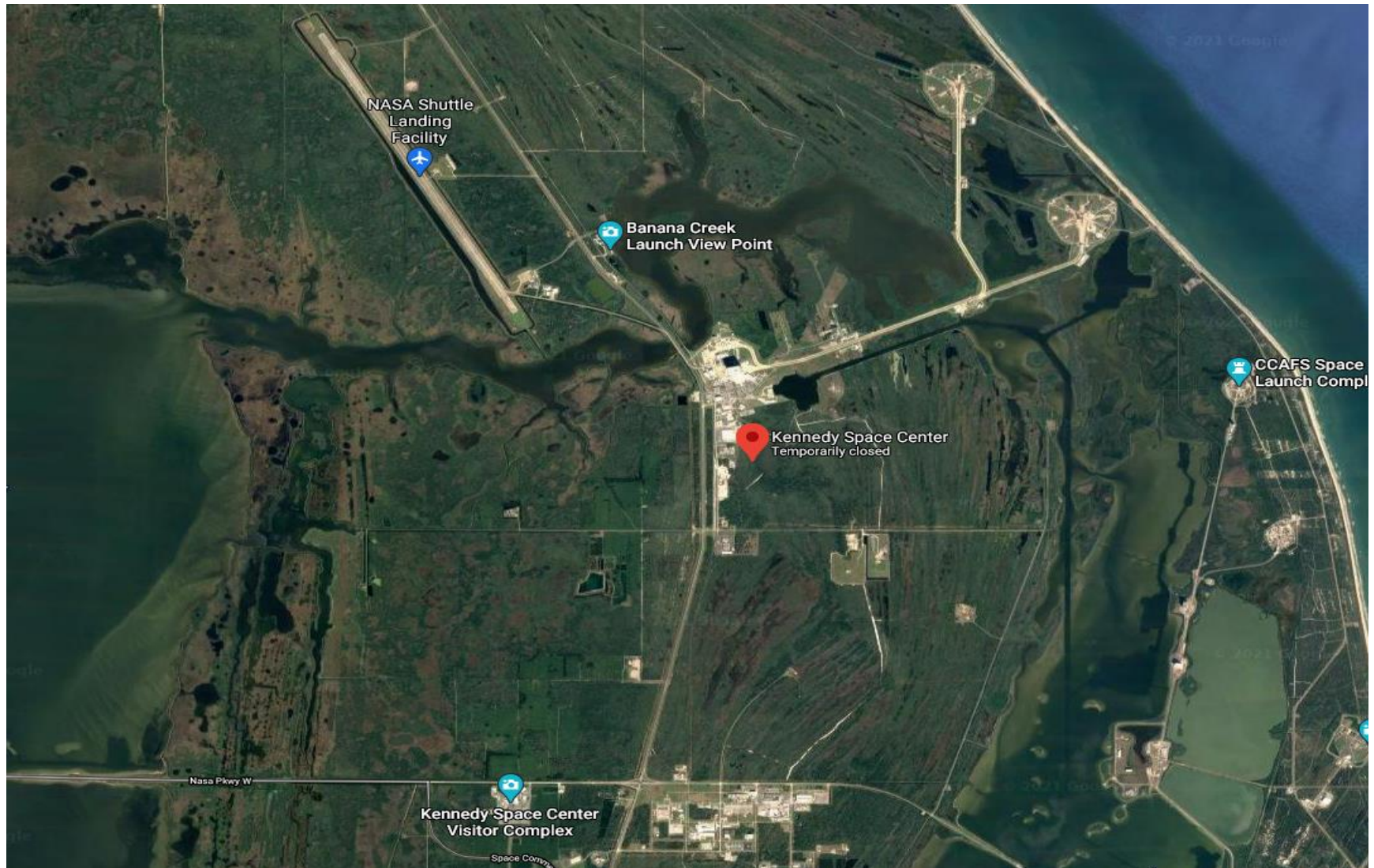
The NNK16CA09C HQ project can be classified as a Maintenance, Repair, and Alteration of Real Property. The NNK16CA09C HQ project consists of the deconstruction of the headquarters (HQ) (m6-0399) and the Central Instrumentation Facility (CIF) group buildings. The project is divided into the CIF demolition and the HQ Building.

In alignment with NASA's strategic goal to optimize capabilities and operations, Kennedy Space Center (KSC) is in the process of divesting (demolishing) several obsolete and inefficient facilities. This project includes the demolition of the old Headquarters Building (~440,000 SF) and Central Instrumentation Facility (~140,000 SF) and to reduce operational and maintenance costs at KSC.



2. Project Location

The figure below shows the project location in the state of Florida.



3. Project Description

The deconstruction of the headquarters (HQ) and Central Instrumentation Facility (CIF) group buildings includes demolition and removal tasks.

The demolition and removal tasks include supporting utility disconnections and alterations, hazardous material testing and coordination with NASA Environmental, and government support. Moreover, the systems include water, wastewater, stormwater, gas, chill water, hot water, power, communications, and civil infrastructure.

The project will include construction of a new facility (by others) to the occupants of the existing facility which will be later demolished and removed.

3- Scope of Work

The project includes activities in the following trades:

- Abatement Work
- Concrete Sidewalks and External Works
- Metals Recycling
- ACM testing, Sod, Temp. Elec connections
- Removal Works (Foundation, furniture / debris, ACM Tiles)
- Trees Shrubs, Chilled water

The Project work has been divided over 3 sub-contractors under Maverick Constructors, LLC.








4-Key Dates

The below figure illustrates the milestones, CFI and headquarters' dates and durations.

	i Task Moc	Task Name	Duratic	Start	Finish	Actual Start	Actual Finish	% Complete	Cost
1		NNK16CA09C HQ/CIF Demo	1408days	Tue 8/23/16	Fri 2/11/22	Tue 8/23/16	NA	61%	\$6,761,863.00
2	✓	Notice to Proceed	0days	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	100%	\$0.00
3	✓	Bonds-CIF	0days	Mon 8/29/16	Mon 8/29/16	Mon 8/29/16	Mon 8/29/16	100%	\$11,827.10
4	✓	Shop Drawing Submittal & Approval	349days	Mon 8/29/16	Fri 1/28/22	Mon 8/29/16	Fri 1/28/22	100%	\$0.00
5	✓	Mobilization	1days	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	100%	\$0.00
6	✓	▷ CIF	536days	Tue 8/23/16	Tue 9/11/18	Tue 8/23/16	Tue 9/11/18	100%	\$1,550,368.90
53		▷ Headquarters	1407days	Tue 8/23/16	Fri 2/11/22	Tue 8/23/16	NA	47%	\$5,190,292.00
164	✓	▷ Mod #17 REA-04	17days	Thu 4/29/21	Fri 5/21/21	Thu 4/29/21	Fri 5/21/21	100%	\$9,375.00

5-Project Phasing

The project consists of two phases that are working in parallel since August, 23rd, 2016. The CIF works is planned to have a total duration of 536 days and was completed on September 11th, 2018. The Headquarters work is expected to finish by the project completion date on February 11th, 2022.

	 Task Moc	Task Name	Duration	Start	Finish	Actual Start	Actual Finish	% Complete	Cost
1		Headquarters	1408days	Tue 8/23/16	Fri 2/11/22	Tue 8/23/16	NA	61%	\$6,761,863.00
2		Notice to Proceed	0days	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	100%	\$0.00
3		Bonds-CIF	0days	Mon 8/29/16	Mon 8/29/16	Mon 8/29/16	Mon 8/29/16	100%	\$11,827.10
4		Shop Drawing Submittal & Approval	349days	Mon 8/29/16	Fri 1/28/22	Mon 8/29/16	Fri 1/28/22	100%	\$0.00
5		Mobilization	1days	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	Tue 8/23/16	100%	\$0.00
6		CIF	536days	Tue 8/23/16	Tue 9/11/18	Tue 8/23/16	Tue 9/11/18	100%	\$1,550,368.90

6-Calendars

Standard (Assigned for all construction activities) which is 5 Workings Days with the Federal Holidays.

- Federal Holidays for the upcoming period till the completion date of the project.

Holiday Name	Day of Week	2021 Observed Date ?
New Year's Day	Friday	January 1st, 2021
Birthday of Martin Luther King, Jr.	Monday	January 18th, 2021
Washington's Birthday	Monday	February 15th, 2021
Memorial Day (80 days)	Monday	May 31st, 2021
Independence Day †	Monday	July 5th, 2021
Labor Day	Monday	September 6th, 2021
Columbus Day	Monday	October 11th, 2021
Veterans Day	Thursday	November 11th, 2021
Thanksgiving Day	Thursday	November 25th, 2021
Christmas Day †	Friday	December 24th, 2021

Holiday Name	Day of Week	2022 Observed Date ?
New Year's Day †	Friday	December 31st, 2021
Birthday of Martin Luther King, Jr.	Monday	January 17th, 2022
Washington's Birthday	Monday	February 21st, 2022
Memorial Day (80 days)	Monday	May 30th, 2022
Independence Day	Monday	July 4th, 2022
Labor Day	Monday	September 5th, 2022
Columbus Day	Monday	October 10th, 2022
Veterans Day	Friday	November 11th, 2022
Thanksgiving Day	Thursday	November 24th, 2022
Christmas Day †	Monday	December 26th, 2022

7- Critical Path

7.1 Critical Path as of May Update

The Critical Path is mainly located in the Headquarters work. The critical path starts with the “Temp Elec Connections – Labor” activity which has already started on December 3rd, 2019 demonstrating a 36% completion percentage and, according to May update, has an expected finish date on August 4th, 2021. Moreover, the 96% complete “Parking Lot Lighting – Material” activity is on the critical path and has to be finished by maximum May 31th, 2021. Finally, the “Demo Asphalt Parking Lot – Material” is also a critical activity that has a completion percentage of 16% and is expected to finish on November 5th, 2021.

	Tasl Moc	Task Name	Duration.	Start	Finish	Actual Start	Actual Finish	% Complete	Cost		1984	1984	1989	1994	1999	2004	2009	2014	2019	2024	2029	2034	2039
1		■ NNK16CA09C HQ/CIF Demo	1408days	Fri 2/23/16	Fri 2/11/22	Tue 8/23/16	NA	54%	\$6,761,863.00														
53		■ ■ Headquarters	1406days	Tue 8/23/16	Fri 2/11/22	Tue 8/23/16	NA	44%	\$5,190,292.00														
59		■ Temp Elec Connections - Labor	75days	Tue 12/3/19	Wed 8/4/21	Tue 12/3/19	NA	36%	\$7,717.75														
82		■ Demo Asphalt Parking Lot - Material	6days	Wed 3/3/21	Fri 11/5/21	Wed 3/3/21	NA	16%	\$69,814.75														
88		■ Parking Lot Lighting - Material	15days	Thu 8/1/19	Mon 5/31/21	Thu 8/1/19	NA	96%	\$61,206.37														
92		■ Demo East Wings 1300, 2300, 3300 - 1500, 2500, 3500 - Labor	8days	Mon 7/19/21	Wed 7/28/21	NA	NA	0%	\$45,660.40														
94		■ Demo East Wing 1100, 2100, 3100 & E. Middle - Labor	8days	Thu 7/29/21	Mon 8/9/21	NA	NA	0%	\$45,660.40														
95		■ Demo East Wing 1100, 2100, 3100 & E. Middle -Material	8days	Thu 7/29/21	Mon 8/9/21	NA	NA	0%	\$112,256.61														
96		■ Demo West Wing 1200, 2200, 3200 W. Middle & 4th Fl - Labc	8days	Tue 8/10/21	Thu 8/19/21	NA	NA	0%	\$45,660.40														
98		■ Demo West Wings 1400, 2400, 3400 - 1600, 2600, 3600- - Labor	8days	Fri 8/20/21	Tue 8/31/21	NA	NA	0%	\$45,660.40														
99		■ Demo West Wings 1400, 2400, 3400 - 1600, 2600, 3600- Material	8days	Fri 8/20/21	Tue 8/31/21	NA	NA	0%	\$112,256.61														
100		■ NASA Remediation in the Transformer Areas	10days	Wed 9/1/21	Tue 9/14/21	NA	NA	0%	\$0.00														
101		■ Demo & Remove Foundation 1300 & 1500 - Labor	8days	Wed 9/15/21	Fri 9/24/21	NA	NA	0%	\$22,830.20														
102		■ Demo & Remove Foundation 1300 & 1500 - Material	8days	Wed 9/15/21	Fri 9/24/21	NA	NA	0%	\$72,295.63														
103		■ Demo & Remove Foundation East Wing 1100 & E. Middle -Labor	8days	Mon 9/27/21	Wed 10/6/21	NA	NA	0%	\$22,830.20														
104		■ Demo & Remove Foundation East Wing 1100 & E. Middle -Material	8days	Mon 9/27/21	Wed 10/6/21	NA	NA	0%	\$72,295.63														
105		■ Demo & Remove Foundation West Wing 1200 & W. Middle-Labor	8days	Thu 10/7/21	Mon 10/18/21	NA	NA	0%	\$22,830.20														
106		■ Demo & Remove Foundation West Wing 1200 & W. Middle-Material	8days	Thu 10/7/21	Mon 10/18/21	NA	NA	0%	\$72,295.63														
107		■ Demo & Remove Foundation West Wings 1400 & 1600 - Labc	8days	Tue 10/19/21	Thu 10/28/21	NA	NA	0%	\$22,830.20														
108		■ Demo & Remove Foundation West Wings 1400 & 1600- Material	8days	Tue 10/19/21	Thu 10/28/21	NA	NA	0%	\$72,295.63														
115		■ Concrete Sidewalk Repair - Material	5days	Fri 11/19/21	Thu 11/25/21	NA	NA	0%	\$2,791.52														
117		■ Landscaping - Material	5days	Fri 12/10/21	Thu 12/16/21	NA	NA	0%	\$1,116.61														
118		■ Landscaping - Labor	5days	Fri 12/10/21	Thu 12/16/21	NA	NA	0%	\$3,796.47														
119		■ Site Fill & Grade - Material	10days	Fri 11/19/21	Thu 12/2/21	NA	NA	0%	\$51,748.44														
120		■ Site Fill & Grade - Labor	10days	Fri 11/19/21	Thu 12/2/21	NA	NA	0%	\$85,232.73														
121		■ New Sod - Material	5days	Fri 12/3/21	Thu 12/9/21	NA	NA	0%	\$45,660.40														
123		■ ■ Closeout	165days	Fri 6/25/21	Fri 2/11/22	NA	NA	0%	\$103,877.23														
124		■ No Work Days	21days	Fri 12/31/21	Fri 1/28/22	NA	NA	0%	\$0.00														
125		■ Final Inspection	10days	Fri 12/17/21	Thu 12/30/21	NA	NA	0%	\$3,877.23														
126		■ Punch List/ Project Closeout	8days	Tue 12/21/21	Thu 12/30/21	NA	NA	0%	\$100,000.00														
128		■ Project Closeout	10days	Mon 1/31/22	Fri 2/11/22	NA	NA	0%	\$0.00														

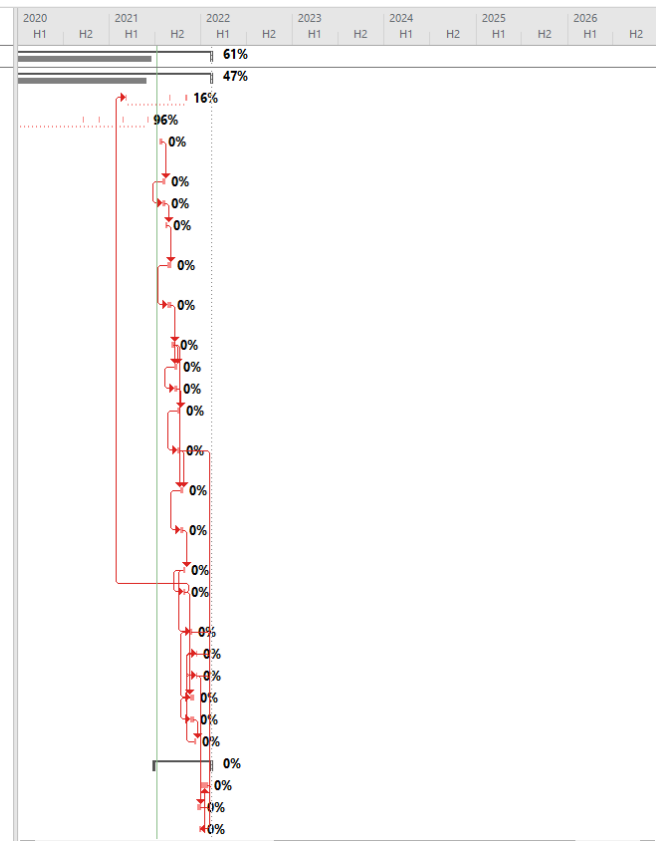
7.2 Critical Path as of June Update

The Critical Path is mainly located in the Headquarters work. As per June Update the critical path continues to start with the “Demo Asphalt Parking Lot – Material” activity which has already started on March 3rd, 2021 demonstrating a 16% completion percentage and, according to this update, has an expected finish date on November 5th, 2021. The critical path then moves forward to “Parking Lot Lighting – Material” and which is in progress at 96% completion percentages..

One Task has disappeared on the critical path of June update and become non critical activity on the contrary of the May update. This activity is; “Temp Elec Connections– Labor” .

Finally, the critical path ends with the project’s “Closeout” tasks which includes “Final inspection”, “Punch List/Project Closeout” and “Project Closeout”.


























	Task Moc	Task Name	Duration	Start	Finish	Actual Start	Actual Finish	% Complete	Cost	
1		Headquarters	1408days	Tue 8/23/16	Fri 2/11/22	Tue 8/23/16	NA	61%	\$6,761,863.00	
53			1407days	Tue 8/23/16	Fri 2/11/22	Tue 8/23/16	NA	47%	\$5,190,292.00	
82		Demo Asphalt Parking Lot - Material	6days	Wed 3/3/21	Fri 11/5/21	Wed 3/3/21	NA	16%	\$69,814.75	
88		Parking Lot Lighting - Material	15days	Thu 8/1/19	Mon 5/31/21	Thu 8/1/19	NA	96%	\$61,206.37	
92		Demo East Wings 1300, 2300, 3300 - 1500, 2500, 3500 - Labor	8days	Mon 7/19/21	Wed 7/28/21		NA	0%	\$45,660.40	
94		Demo East Wing 1100, 2100, 3100 & E. Middle - Labor	8days	Thu 7/29/21	Mon 8/9/21		NA	0%	\$45,660.40	
95		Demo East Wing 1100, 2100, 3100 & E. Middle -Material	8days	Thu 7/29/21	Mon 8/9/21		NA	0%	\$112,256.61	
96		Demo West Wing 1200, 2200, 3200 W. Middle & 4th Fl - Labor	8days	Tue 8/10/21	Thu 8/19/21		NA	0%	\$45,660.40	
98		Demo West Wings 1400, 2400, 3400 - 1600, 2600, 3600 - Labor	8days	Fri 8/20/21	Tue 8/31/21		NA	0%	\$45,660.40	
99		Demo West Wings 1400, 2400, 3400 - 1600, 2600, 3600- Material	8days	Fri 8/20/21	Tue 8/31/21		NA	0%	\$112,256.61	
100		NASA Remediation in the Transformer Areas	10days	Wed 9/1/21	Tue 9/14/21		NA	0%	\$0.00	
101		Demo & Remove Foundation 1300 & 1500 - Labor	8days	Wed 9/15/21	Fri 9/24/21		NA	0%	\$22,830.20	
102		Demo & Remove Foundation 1300 & 1500 - Material	8days	Wed 9/15/21	Fri 9/24/21		NA	0%	\$72,295.63	
103		Demo & Remove Foundation East Wing 1100 & E. Middle -Labor	8days	Mon 9/27/21	Wed 10/6/21		NA	0%	\$22,830.20	
104		Demo & Remove Foundation East Wing 1100 & E. Middle -Material	8days	Mon 9/27/21	Wed 10/6/21		NA	0%	\$72,295.63	
105		Demo & Remove Foundation West Wing 1200 & W. Middle-Labor	8days	Thu 10/7/21	Mon 10/18/21		NA	0%	\$22,830.20	
106		Demo & Remove Foundation West Wing 1200 & W. Middle-Material	8days	Thu 10/7/21	Mon 10/18/21		NA	0%	\$72,295.63	
107		Demo & Remove Foundation West Wings 1400 & 1600 - Lab	8days	Tue 10/19/21	Thu 10/28/21		NA	0%	\$22,830.20	
108		Demo & Remove Foundation West Wings 1400 & 1600- Material	8days	Tue 10/19/21	Thu 10/28/21		NA	0%	\$72,295.63	
115		Concrete Sidewalk Repair - Material	5days	Fri 11/19/21	Thu 11/25/21		NA	0%	\$2,791.52	
117		Landscaping - Material	5days	Fri 12/10/21	Thu 12/16/21		NA	0%	\$1,116.61	
118		Landscaping - Labor	5days	Fri 12/10/21	Thu 12/16/21		NA	0%	\$3,796.47	
119		Site Fill & Grade - Material	10days	Fri 11/19/21	Thu 12/2/21		NA	0%	\$51,748.44	
120		Site Fill & Grade - Labor	10days	Fri 11/19/21	Thu 12/2/21		NA	0%	\$85,232.73	
121		New Sod - Material	5days	Fri 12/3/21	Thu 12/9/21		NA	0%	\$45,660.40	
123		Closeout	166days	Fri 6/25/21	Fri 2/11/22		NA	0%	\$103,877.23	
124		No Work Days	21days	Fri 12/31/21	Fri 1/28/22		NA	0%	\$0.00	
125		Final Inspection	10days	Fri 12/17/21	Thu 12/30/21		NA	0%	\$3,877.23	
126		Punch List/ Project Closeout	8days	Tue 12/21/21	Thu 12/30/21		NA	0%	\$100,000.00	

































The project experienced a number of modifications in both the CIF and the Headquarters work that were not in the original scope of work. These modifications, included in the schedule, caused deviation from the original plan.

According to this update (June 2021 Update), the project has a new added modification: “MOD #17 REA-04” under the Headquarters works. This modification has two tasks; “REA-04 Parking Lot Light Pole Base Removal-Labor” and “REA-04 Parking Lot Light Pole Base Removal-Material” both of which started on April 29th, 2021 and each have a duration of 17 working days.


















CIF Modifications:

	 Task Moc	Task Name	Duration	Start	Finish	Actual Start	Actual Finish	% Complete	Cost
41	 	Mod #1	20days	Mon 9/19/16	Fri 10/14/16	Mon 9/19/16	Fri 10/14/16	100%	\$80,424.00
42	 	Remove Furniture/Debris - Mat.	20days	Mon 9/19/16	Fri 10/14/16	Mon 9/19/16	Fri 10/14/16	100%	\$0.00
43	 	Remove FurnitureDebris - Labor	20days	Mon 9/19/16	Fri 10/14/16	Mon 9/19/16	Fri 10/14/16	100%	\$80,424.00
44	 	Mod #2	402days	Mon 2/27/17	Tue 9/11/18	Mon 2/27/17	Tue 9/11/18	100%	\$36,600.00
45	 	TN3A Removal of ACM Tile - CIF	3days	Mon 2/27/17	Wed 3/1/17	Mon 2/27/17	Wed 3/1/17	100%	\$38,000.00
46	 	TN6 Provide Addl Trees Shrubs/Maintenance-CIF	10days	Fri 6/8/18	Tue 9/11/18	Fri 6/8/18	Tue 9/11/18	100%	\$84,543.65
47	 	TN-7 Descope Removal of Med Voltage Wire	1days	Mon 4/2/18	Mon 4/2/18	Mon 4/2/18	Mon 4/2/18	100%	(\$1,400.00)
48	 	DW1A Bypass Chilled Water	1days	Fri 6/8/18	Tue 8/7/18	Fri 6/8/18	Tue 8/7/18	100%	(\$84,543.65)
49	 	Mod #3	5days	Wed 6/21/17	Tue 6/27/17	Wed 6/21/17	Tue 6/27/17	100%	\$13,787.00
50	 	TN-04 RFI-002 Addl Abatement	5days	Wed 6/21/17	Tue 6/27/17	Wed 6/21/17	Tue 6/27/17	100%	\$13,787.00
51	 	Mod #5	5days	Wed 6/21/17	Tue 6/27/17	Wed 6/21/17	Tue 6/27/17	100%	\$229,618.00
52	 	REA Metals Recycle	5days	Wed 6/21/17	Tue 6/27/17	Wed 6/21/17	Tue 6/27/17	100%	\$229,618.00














Headquarter Modifications:

	 Task Moc ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾	Actual Start ▾	Actual Finish ▾	% Complete ▾	Cost ▾
129	 	Mod 2	588days	Mon 10/17/16	Wed 1/16/19	Mon 10/17/16	Wed 1/16/19	100%	\$0.00
130	 	TN 6 Provide Addl Trees Shrubs	10days	Thu 1/3/19	Wed 1/16/19	Thu 1/3/19	Wed 1/16/19	100%	\$41,863.66
131	 	DW1A Bypass Chilled Water	1days	Mon 10/17/16	Mon 10/17/16	Mon 10/17/16	Mon 10/17/16	100%	(\$41,863.66)
132	 	Mod 4	15days	Mon 11/2/20	Fri 11/20/20	Mon 11/2/20	Fri 11/20/20	100%	\$0.00
133	 	TN-09 HQ Parking Lot Lights	15days	Mon 11/2/20	Fri 11/20/20	Mon 11/2/20	Fri 11/20/20	100%	\$0.00
134		Mod 9	532days	Tue 12/3/19	Tue 1/11/22	Tue 12/3/19	NA	31%	\$1,971,403.00
135	 	FRANKLIN RECERTIFY TRUCK SCALE	1days	Tue 12/3/19	Tue 12/3/19	Tue 12/3/19	Tue 12/3/19	100%	\$20,549.77
136	 	FRANKLIN SALVAGE LOSS	415days	Tue 5/26/20	Tue 1/11/22	NA	NA	0%	\$1,284,559.97
137	 	FRANKLIN SPRINKLER SYS FOR DEBRIS PILE	163days	Mon 1/25/21	Thu 9/9/21	Mon 1/25/21	Thu 9/9/21	100%	\$44,034.61
138	 	SUNRISE FURNITURE REMOVAL-LABOR	6days	Thu 3/5/20	Mon 10/26/20	Thu 3/5/20	Mon 10/26/20	100%	\$81,756.61
139	 	SUNRISE FURNITURE REMOVAL MATERIAL	5days	Thu 3/5/20	Fri 10/23/20	Thu 3/5/20	Fri 10/23/20	100%	\$81,756.61
140	 	SUNRISE MASTIC REMOVER MATL	1days	Tue 9/15/20	Mon 4/26/21	Tue 9/15/20	Mon 4/26/21	100%	\$90,021.56
141		12' FENCE EAST SIDE-LABOR	2days	Fri 6/4/21	Tue 6/8/21	NA	NA	0%	\$22,965.72
142		12' FENCE EAST SIDE-MATERIAL	2days	Fri 6/4/21	Tue 6/8/21	NA	NA	0%	\$22,965.71
143	 	SUNRISE MASTIC REMOVAL 1ST FLOOR-LAB	5days	Tue 9/15/20	Mon 4/26/21	Tue 9/15/20	Mon 4/26/21	100%	\$161,396.22
144	 	SUNRISE MASTIC REMOVAL 1ST FLOOR-mat	5days	Tue 9/15/20	Mon 4/26/21	Tue 9/15/20	Mon 4/26/21	100%	\$161,396.22

Continue: Headquarter Modifications:

	 Task Moc	Task Name	Duration	Start	Finish	Actual Start	Actual Finish	% Complete	Cost
145		Mod #10 TN-11	224days	Mon 9/21/20	Thu 8/12/21	Mon 9/21/20	Thu 8/12/21	100%	\$87,940.00
146		TN-11 Re-Feed Ave C Signals - L	0days	Mon 9/21/20	Mon 5/31/21	Mon 9/21/20	Mon 5/31/21	100%	\$43,970.00
147		TN-11 Re-Feed Ave C Signals - M	60days	Tue 9/22/20	Thu 8/12/21	Tue 9/22/20	Thu 8/12/21	100%	\$43,970.00
148		Mod #11 TN-12	105days	Thu 9/17/20	Tue 2/23/21	Thu 9/17/20	Tue 2/23/21	100%	\$43,961.00
149		TN-12 Additional Conduit - Parking Lot-L	15days	Thu 9/17/20	Tue 2/23/21	Thu 9/17/20	Tue 2/23/21	100%	\$21,980.50
150		TN-12 Additional Conduit - Parking Lot-M	15days	Thu 9/17/20	Mon 2/1/21	Thu 9/17/20	Mon 2/1/21	100%	\$21,980.50
151		Mod #13 TN-14	18days	Tue 11/3/20	Mon 11/30/20	Tue 11/3/20	Mon 11/30/20	100%	\$33,568.00
152		TN-14 Load Carpet Tiles-L	18days	Tue 11/3/20	Mon 11/30/20	Tue 11/3/20	Mon 11/30/20	100%	\$19,852.77
153		TN-14 Load Carpet Tiles-M	18days	Tue 11/3/20	Mon 11/30/20	Tue 11/3/20	Mon 11/30/20	100%	\$13,715.23
154		Mod #14 TN-13	93days	Tue 12/1/20	Mon 4/19/21	Tue 12/1/20	Mon 4/19/21	100%	\$30,351.00
155		TN-13 Debris Removal - Labor	18days	Tue 12/1/20	Mon 4/19/21	Tue 12/1/20	Mon 4/19/21	100%	\$15,111.23
156		TN-13 Debris Removal - Material	18days	Tue 12/1/20	Mon 4/19/21	Tue 12/1/20	Mon 4/19/21	100%	\$8,136.82
157		TN-13 Locates	5days	Tue 12/1/20	Mon 12/7/20	Tue 12/1/20	Mon 12/7/20	100%	\$7,102.95
158		Mod #15 TN-15	5days	Mon 2/1/21	Mon 2/8/21	Mon 2/1/21	Mon 2/8/21	100%	\$11,918.00
159		TN-15 Concrete Removal - Labor	5days	Mon 2/1/21	Mon 2/8/21	Mon 2/1/21	Mon 2/8/21	100%	\$5,959.00
160		TN-15 Concrete Removal - Material	5days	Mon 2/1/21	Mon 2/8/21	Mon 2/1/21	Mon 2/8/21	100%	\$5,959.00

Continue: Headquarter Modifications:

		Task Moc ▾	Task Name ▾	Duratio ▾	Start ▾	Finish ▾	Actual Start ▾	Actual Finish ▾	% Complete ▾	Cost ▾
161			▲ Mod #16 TN-03B	64days	Wed 1/27/21	Mon 4/26/21	Wed 1/27/21	Mon 4/26/21	100%	\$48,987.00
162			TN-03B ACM Tile Removal Under Walls-L	25days	Wed 1/27/21	Mon 4/26/21	Wed 1/27/21	Mon 4/26/21	100%	\$45,287.63
163			TN-03B ACM Tile Removal Under Walls-M	20days	Wed 1/27/21	Mon 4/26/21	Wed 1/27/21	Mon 4/26/21	100%	\$3,699.37
164			▲ Mod #17 REA-04	17days	Thu 4/29/21	Fri 5/21/21	Thu 4/29/21	Fri 5/21/21	100%	\$9,375.00
165			REA-04 Parking Lot Light Pole Base Removal-L	17days	Thu 4/29/21	Fri 5/21/21	Thu 4/29/21	Fri 5/21/21	100%	\$3,750.00
166			REA-04 Parking Lot Light Pole Base Removal-M	17days	Thu 4/29/21	Fri 5/21/21	Thu 4/29/21	Fri 5/21/21	100%	\$5,625.00

9- Variance Analysis

9.1- Comparison between the current and the previous update

Activity ID	Actual/Forecasted Completion Date	Actual/Forecasted Completion Date	Variance	Status
	May Update 2021	June Update 2022		
Notice to Proceed	23-Aug-16	23-Aug-16	0	Same
Shop Drawing Submittal & Approval	28-Jan-22	28-Jan-22	0	Same
CIF	11-Sep-18	11-Sep-18	0	Same
Headquarters	11-Feb-22	11-Feb-22	0	Same
Mod 9	11-Jan-22	11-Jan-22	0	Same
Mod #10 TN-11	12-Aug-21	12-Aug-21	0	Same
Mod #11 TN-12	23-Feb-21	23-Feb-21	0	Same
Mod #14 TN-13	19-Apr-21	19-Apr-21	0	Same
Mod #15 TN-15	8-Feb-21	8-Feb-21	0	Same
Mod #16 TN-03B	26-Apr-21	26-Apr-21	0	Same
MOD #17 REA-04	21-May-21	21-May-21	0	Same
Closeout	11-Feb-22	11-Feb-22	0	Same

The in-progress works requires a careful monitoring throughout the project's construction period. The table above illustrates the Variance between the May update and the current June update. According to the variance table, There's no difference between the 2 Updates .