

REPAIR TAXIWAY P

MARINE CORPS AIR STATION MIRAMAR

Construction Schedule



Main Contractor: Southwest Concrete Paving Co.



HSE Contractors Inc. Consultants
are Certified PMI and CMAA

CPM Scheduling Consultant: HSE CONTRACTORS INC.

August 2025 update

Name:	Dates:
Data Date	31 st August, 2025
Contract Award	11 th July, 2023
NTP	11 th July, 2023
Project Completion	21 st July, 2025
Contract Completion	21 st July, 2025

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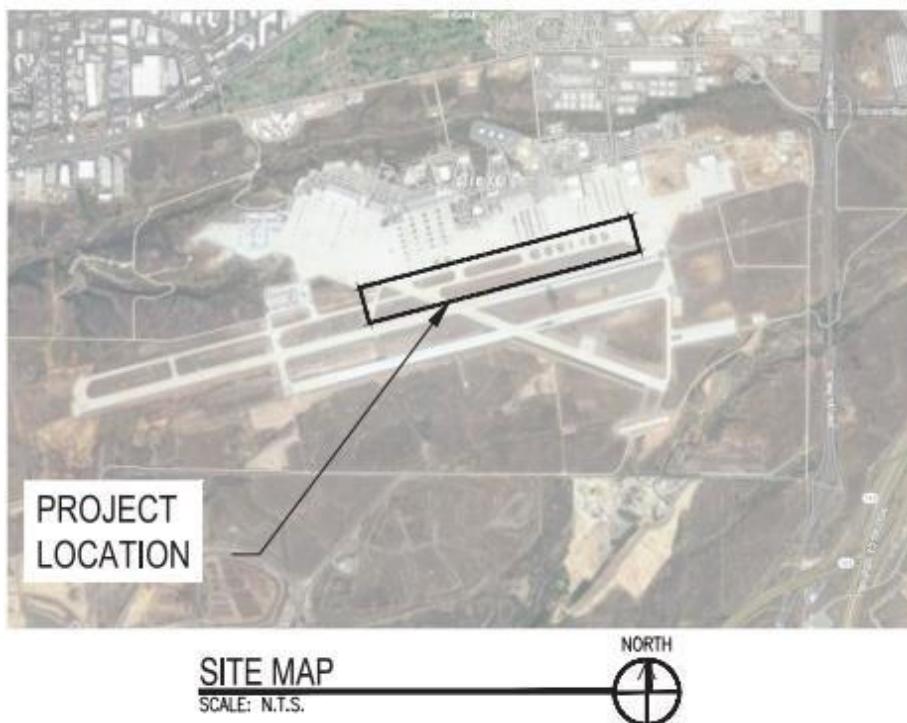
1. Project Information

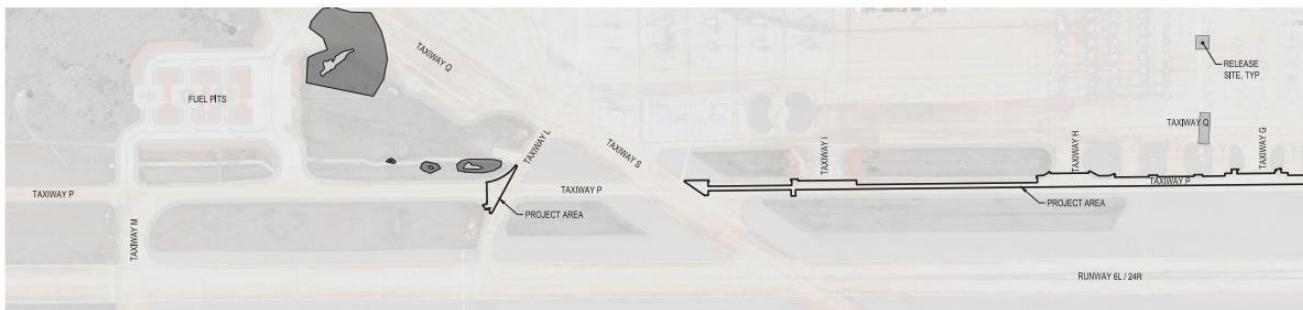
This Design-Bid-Build project involves reconstructing a segment of Taxiway P at MCAS Miramar. The scope of work includes full-depth reconstruction of Portland cement concrete airfield pavement and select asphalt concrete shoulder pavement, with base course, subbase, and subgrade improvement. Additionally, localized repairs of existing pavement, surface sealing, installation of new airfield lighting, removal and re-striping of existing markings, and two bid options for contaminated soil removal/importing clean fill and additional pavement/lighting replacement are included. The project aims to enhance operational efficiency and infrastructure integrity at MCAS Miramar.

1.1. Scope of Work

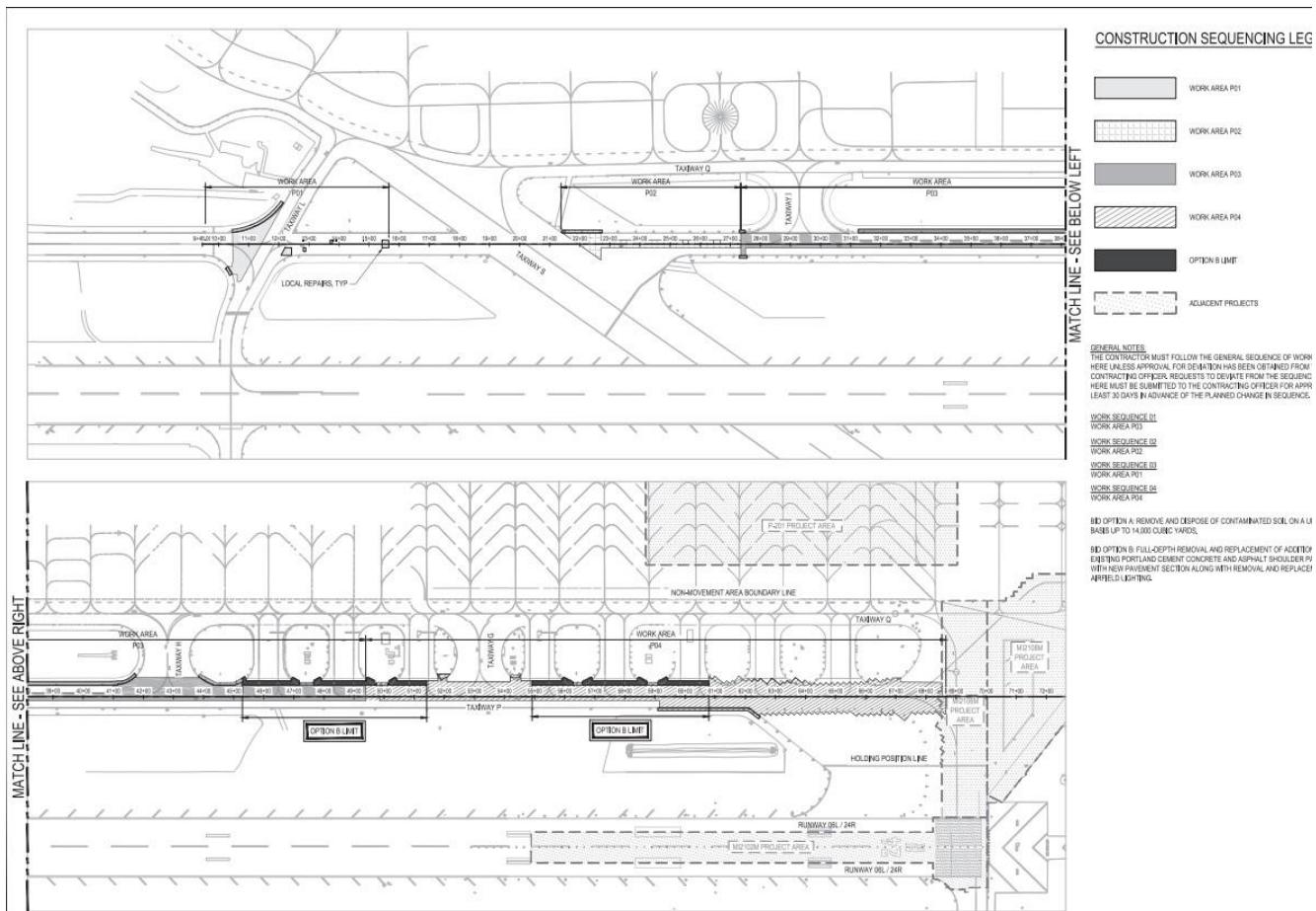
The Miramar Taxiway Reconstruction Project at MCAS Miramar involves comprehensive upgrades aimed at enhancing operational efficiency and safety. It includes full-depth reconstruction of Portland cement concrete airfield pavement and asphalt concrete shoulder pavement, with base course and subgrade improvements. The project addresses existing pavement issues and applies surface sealing to asphalt concrete pavement. Installation of new airfield lighting infrastructure and replacement of pavement markings will improve visibility and safety. Bid options for soil disposal and additional pavement and lighting replacement ensure flexibility. Overall, the project aims to significantly enhance infrastructure integrity and operational functionality at Taxiway P.

1.2. Project Location





2. Project phasing and sequencing



The project will be divided into four phases, with Phase 1 and Phase 3 running concurrently from March to September 2024, and Phase 2 and Phase 4 occurring from October 2024 to May 2025. Each phase includes activities like infrastructure demolition, pavement repairs, obstacle clearance, runway lighting system repairs, temporary staging area setup, and trenching for power and data lines. This phased approach ensures systematic progress and efficient management of construction activities within specified timeframes.

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. The procurement process for the Miramar Taxiway Reconstruction Project involves identifying needed materials and selecting vendors through competitive bidding. Contracts are negotiated, specifying terms and pricing, and submittals from vendors are reviewed for compliance. Orders are placed based on approved procurement plans, and quality control measures are implemented. Effective communication with suppliers is maintained, and expenditures are monitored to stay within budget constraints.

2.2. Construction

The project will be divided into four phases, with Phase 1 and Phase 3 running concurrently from March 2024 to September 2024, while Phase 2 and Phase 4 will occur from October 2024 to June 2025. Each phase will encompass activities such as the demolition of existing infrastructure, installation of new ALSF systems, pavement repairs, obstacle clearance, runway lighting system repairs, establishment of temporary construction staging areas, and trenching for power and data lines. This phased approach ensures systematic progress and comprehensive upgrades to enhance operational safety and efficiency across Marine Corps-Miramar

3. Key Dates

Milestones:

Repair Taxiway P Marine Corps Air Station Miramar-F		515	7	Jul-11-23 A	Sep-10-25
Key Dates & Milestones		764	0	Jul-11-23 A	Jul-21-25 A
A1010	NTP	0	0	Jul-11-23 A	
A1120	Contract Award	0	0	Jul-11-23 A	
A1050	Preconstruction Meeting	1	0	Feb-27-24 A	Feb-27-24 A
A1110	Red Zone Meeting	1	0	Jun-16-25 A	Jun-16-25 A
A1130	Airshow Shutdown	0	0	Jun-16-25 A	
A1020	Substantial Completion	0	0		Jun-16-25 A
A1030	Projected Completion	0	0		Jul-21-25 A
A1040	Contract Completion (CCD)	0	0		Jul-21-25 A

Phases:

Phasing		669	Dec-02-2023 A	Jun-16-2025 A
■	A9640 Area P2 Start	0	Dec-02-2023 A	
■	A1100 Area P3 Start	0	Mar-04-2024 A	
■	A1060 Area P3 Completion	0		Sep-19-2024 A
■	A1070 Area P2 Completion	0		Sep-19-2024 A
■	A9650 Area P1 Start	0	Oct-04-2024 A	
■	A9660 Area P4 Start	0	Oct-04-2024 A	
■	A1080 Area P1 Completion	0		Jun-16-2025 A
■	A1090 Area P4 Completion	0		Jun-16-2025 A

4. WBS

The extracted figure from the baseline schedule in P6 software provides a detailed overview of the project's Work Breakdown Structure (WBS) across all levels. It serves as a comprehensive tool for the contractor to manage and monitor project components individually or collectively. The table includes sections for Milestones, Preconstruction & Procurement, Procurement cycle for materials, and Construction stages. Milestones outline critical project points, while Preconstruction &

Procurement details major submittals. The Procurement section organizes material acquisition stages, and the Construction Section categorizes various construction situations and their respective levels, offering a structured view of the project's progress and management.

Activity ID	Activity Name	Original Duration	Start	Finish	Actual Start	Actual Finish	Total Float
Repair Taxiway P Marine Corps Air Station Miramar-F		515	Jul-11-23 A	Sep-10-25	Jul-11-23		-77
Key Dates & Milestones		764	Jul-11-23 A	Jul-21-25 A	Jul-11-23	Jul-21-25	
Phasing		669	Dec-02-23 A	Jun-16-25 A	Dec-02-23	Jun-16-25	
Permits		20	Apr-15-24 A	Apr-26-24 A	Apr-15-24	Apr-26-24	
Change Orders		187	May-15-24 A	Dec-11-24 A	May-15-24	Dec-11-24	
Preconstruction		556	Feb-01-24 A	May-15-25 A	Feb-01-24	May-15-25	
Prepare & Submit		28	Feb-01-24 A	Jun-13-24 A	Feb-01-24	Jun-13-24	
Review & Approve		24	Mar-04-24 A	Jul-24-24 A	Mar-04-24	Jul-24-24	
Fabricate & Deliver		556	Apr-15-24 A	May-15-25 A	Apr-15-24	May-15-25	
Construction		444	Mar-04-24 A	Jun-18-25 A	Mar-04-24	Jun-18-25	
Area P1		165	Oct-04-24 A	May-20-25 A	Oct-04-24	May-20-25	
Traffic Control/SWP		42	Oct-07-24 A	Nov-22-24 A	Oct-07-24	Nov-22-24	
Demolition		57	Oct-04-24 A	Jan-23-25 A	Oct-04-24	Jan-23-25	
Construction		82	Oct-04-24 A	May-16-25 A	Oct-04-24	May-16-25	
Sub-Paving		11	Oct-04-24 A	Mar-10-25 A	Oct-04-24	Mar-10-25	
PCC & Joints		38	Mar-20-25 A	Apr-24-25 A	Mar-20-25	Apr-24-25	
Electrical		82	Feb-18-25 A	May-14-25 A	Feb-18-25	May-14-25	
HMA		29	Mar-16-25 A	Apr-25-25 A	Mar-16-25	Apr-25-25	
Stripping		1	May-16-25 A	May-16-25 A	May-16-25	May-16-25	
Punchlist		3	May-19-25 A	May-20-25 A	May-19-25	May-20-25	
Area P2		346	Mar-04-24 A	Sep-19-24 A	Mar-04-24	Sep-19-24	
Site Preparation		6	Mar-04-24 A	Mar-22-24 A	Mar-04-24	Mar-22-24	
Demolition		286	Mar-05-24 A	Aug-05-24 A	Mar-05-24	Aug-05-24	
Construction		13	May-06-24 A	Sep-18-24 A	May-06-24	Sep-18-24	
Pavement Repair		13	May-06-24 A	Sep-17-24 A	May-06-24	Sep-17-24	
Electrical		6	Jun-10-24 A	Sep-18-24 A	Jun-10-24	Sep-18-24	
Punchlist		340	Sep-19-24 A	Sep-19-24 A	Sep-19-24	Sep-19-24	
Area P3		99	Mar-04-24 A	Sep-19-24 A	Mar-04-24	Sep-19-24	
Traffic Control/SWP		2	Mar-04-24 A	Mar-22-24 A	Mar-04-24	Mar-22-24	
Demolition		25	Mar-06-24 A	Jul-26-24 A	Mar-06-24	Jul-26-24	
Construction		45	Apr-18-24 A	Sep-18-24 A	Apr-18-24	Sep-18-24	
Sub-Paving Section		30	Apr-18-24 A	Sep-17-24 A	Apr-18-24	Sep-17-24	
PCC & Joints		44	Jul-16-24 A	Aug-30-24 A	Jul-16-24	Aug-30-24	
Electrical		21	Jun-17-24 A	Sep-18-24 A	Jun-17-24	Sep-18-24	
HMA		37	Jul-12-24 A	Sep-17-24 A	Jul-12-24	Sep-17-24	
Stripping		2	Sep-16-24 A	Sep-17-24 A	Sep-16-24	Sep-17-24	
Punchlist		79	Sep-19-24 A	Sep-19-24 A	Sep-19-24	Sep-19-24	
Phase 2 & 3 Panel Repair		18	May-19-25 A	Jun-18-25 A	May-19-25	Jun-18-25	
Area P4		162	Oct-04-24 A	May-20-25 A	Oct-04-24	May-20-25	
Site Preparation		8	Oct-07-24 A	Oct-10-24 A	Oct-07-24	Oct-10-24	
Demolition		51	Oct-08-24 A	Feb-03-25 A	Oct-08-24	Feb-03-25	
Construction		118	Oct-04-24 A	May-16-25 A	Oct-04-24	May-16-25	
Pavement Repair		118	Oct-04-24 A	May-16-25 A	Oct-04-24	May-16-25	
Electrical		34	Feb-18-25 A	May-15-25 A	Feb-18-25	May-15-25	
Punchlist		3	May-19-25 A	May-20-25 A	May-19-25	May-20-25	
Closeout		51	Jul-25-25 A	Sep-10-25	Jul-25-25		-77

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:

5 Day Miramar: 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.

Hours per Time Period

Specify the number of work hours for each time period.

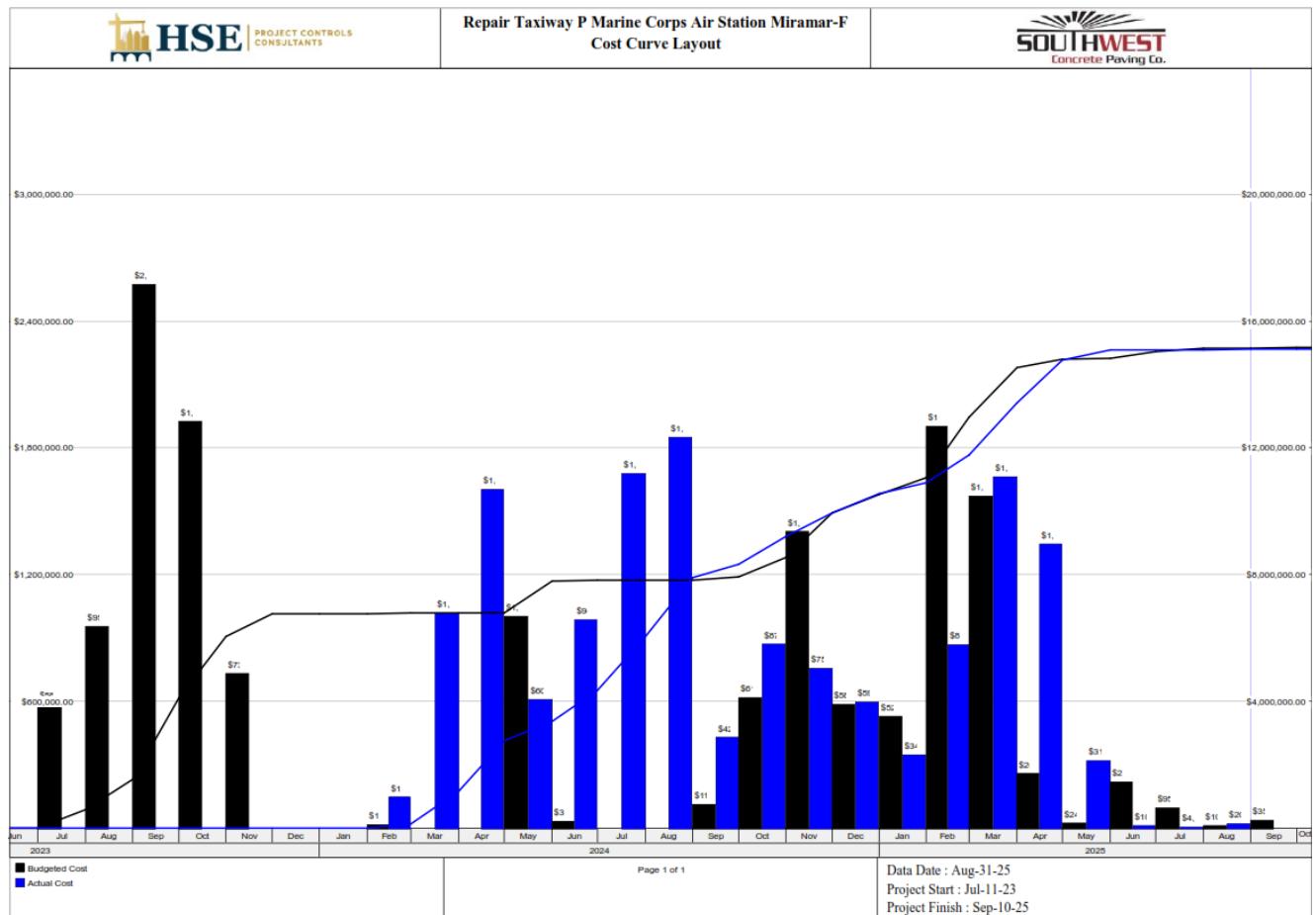
Hours/Day	Hours/Week	Hours/Month	Hours/Year
8.0	40.0	172.0	2000.0

OK
 Cancel
 Help

7. Critical path

Activity ID	Activity Name	Original Duration	Start	Finish	Actual Start	Actual Finish	Total Float
	Repair Taxiway P Marine Corps Air Station Miramar-F	7	Sep-02-25	Sep-10-25			-77
	Closeout	7	Sep-02-25	Sep-10-25			-77
	A9740	5	Sep-02-25	Sep-08-25			-77
	A9670	5	Sep-04-25	Sep-10-25			-77

8. Cash Flow



9. Conclusion

The project has made significant progress, with all major activities in Areas P1, P2, P3, and P4 advancing according to the schedule. Key milestones, including demolition, pavement repairs, electrical installations, and final inspections, have been completed successfully. Area P2 and P3 were fully finalized by September 2024, while Area P1 and P4 were completed by May 2025, with Phase 2 & 3 panel repairs following in June 2025. Closeout activities, including the preparation of O&M manuals, warranties, and as-built drawings, are progressing well and are expected to be completed by September 10, 2025. The project is now forecasted for completion by September 10, 2025, with a delay of 77 days. The total project duration is estimated to be 515 days.