

**FDOT LETTING # T4576-CONSTRUCTION OF PORT ST. LUCIE BOULEVARD
FROM S OF ALCANTARRA BLVD. TO S OF DARWIN BLVD**



Main Contractor: ZAHLENE ENTERPRISES, INC



CPM Scheduling Consultant: HSE CONTRACTORS INC.

Narrative Report October 2023 Update Schedule

Notice to Proceed

September 29th, 2021

Schedule Completion Date

October 21st , 2024

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1. Project Scope of Work

The improvements under this contract consist of, MOT (maintenance of traffic) Earthwork (clearing, grubbing, excavation), Concrete Work (removal, curb, curb and gutter, valley gutter, traffic separator, sidewalk, driveways), Asphalt Work (base, milling, super pave, friction course), Signing (single-post, multi-post, tubular, object, panel), Pavement Markings, Lighting & Signalization Work, Drainage & Utilities Work, Irrigation & Landscaping Work. The following figures show the project location.

2. Key Dates and Milestones

The Key dates and Milestones section includes all important dates such as:

Schedule Period	July 17, 2023, thru October 15th, 2023
NTP Date	September 29th, 2021
Weather/Holidays Granted Thru Period	77 Weather Days/32 Holidays = 81 Days
Original Contract Duration	709 days
New Contract Duration:	814 Days
Original Contract Completion Date	January 4 th , 2024
Current Contract Completion Date	April 22 nd , 2024
Current Schedule Completion Date	October 21 st , 2024

3. Points of concerns

delays that are currently taking place, are the installation of the Bell Restraints on the joints of the existing PVC C-900 pipe not included on the contract documents, and with the current Line Stop activities that are taking place. In addition, a new delay related to the Drainage Activities happened, the activities had to be stopped due to South Florida Water Management requesting an additional Dewatering Permit from Zahlene aside from the FDOT Master Permit. Regarding these delays, Zahlene has already submitted a Preliminary Time Request for NOI # 1 and NOI # 2, totalling 45 days. Preliminary Time Request for NOI # 3 will be submitted during the next cut off period.

4. Comparison between September 2023 and July 2023 Updates

October update shows the completion date on October 21st, 2024 while July update shows the completion date on August 12th, 2024 that means that the current project update is behind than the previous update by 70 calendar days

The following Table shows the differences in progress between October update & July update at the project 3 Locations:

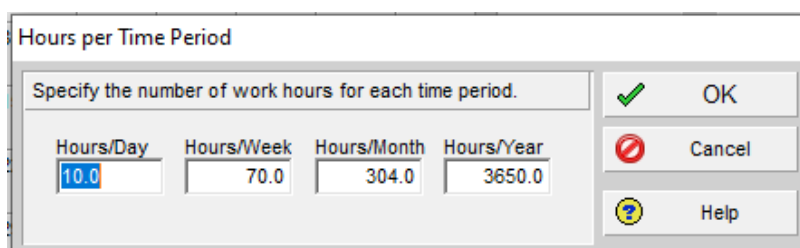
Description	October Finish dates	July Finish dates	Variance
PORT ST LUCIE BLVD.	2-Oct-24	25-Jul-24	-69
PRE-PHASE 1	2-Nov-23	22-Aug-23	-72
PHASE 1	7-Jun-24	15-Mar-24	-84
PHASE 2	11-Jul-24	1-May-24	-71
PHASE 3	13-Aug-24	5-Jun-24	-69
PHASE 4	2-Oct-24	25-Jul-24	-69
ALCANTARRA BLVD.	1-Feb-24	19-Oct-23	-105
PHASE 1	1-Dec-23	25-Aug-23	-98
PHASE 2	3-Jan-24	21-Sep-23	-104
PHASE 3	1-Feb-24	19-Oct-23	-105
SW TULIP BLVD.	11-Sep-24	3-Jul-24	-70
PHASE 1	11-Sep-24	3-Jul-24	-70
PHASE 2	2-Jan-24	5-Jan-24	3
PHASE 3	30-Jan-24	2-Feb-24	3
Offsite	26-Jun-24	19-Apr-24	-68

- The above table shows progress on October update for PORT ST LUCIE BLVD. location at phase 1, 2, 3, 4 than July updates to be finish on October 2nd, 2024 instead of June 25th, 2024 with 69 calendar days delay & Location SW TULIP BLVD. at phases 1, 2, 3 to be finish on September 11th, 2024 instead of July 3rd, 2024 with 70 calendar days delay and for location ALCANTARRA BLVD. at phases 1, 2 & 3 to be finish on February 1st, 2023 instead of October 19th, 2023 with 105 calendar days delays

5. Calendars

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

- **7-day Calendar**: This is a 7 days/Week calendar which is used for the milestones and procurement cycle activities except for review & approval activities are loaded with a 7-Working Days Calendar as per the specs.



Hours per Time Period

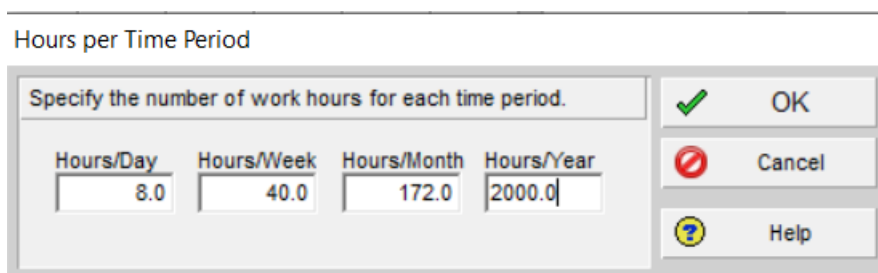
Specify the number of work hours for each time period.

Hours/Day	Hours/Week	Hours/Month	Hours/Year
10.0	70.0	304.0	3650.0

OK Cancel Help

- **5-day Calendar**: This is a 5 days/Week Calendar containing Federal Holidays which is used for construction activities and Review & approve activities

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 the 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

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6. Sequence and logic of the Critical Path activities

- **1st- October update critical path (shown in Appendix A):**

The critical path for the project starts with PORT ST LUCIE BLVD location phase 1 including the Earth work, concrete, drainage, sewer, landscaping & signalization. This is followed by the clear & Grubb, Earth work, concrete & lighting at phase 2, Erosion control, clear & Grubb, Earth work, milling & paving at phase 3, then install signage at phase 4, followed by install mailboxes at location SW TULIP BLVD phase 1. Finally, the project will go through the close-out phase starting with the punch list and rectifying it before reaching final inspection and substantial completion.

- **2nd- July update critical path (shown in Appendix B):**

The critical path for the project starts with PORT ST LUCIE BLVD location phase 1 including the Earth work, concrete, drainage, sewer, landscaping & signalization. This is followed by the clear & Grubb, Earth work, concrete & lighting at phase 2, Erosion control, clear & Grubb, Earth work, milling & paving at phase 3, then install signage at phase 4, followed by install mailboxes at location SW TULIP BLVD phase 1. Finally, the project will go through the close-out phase starting with the punch list and rectifying it before reaching final inspection and substantial completion.

7. Conclusion

- October update shows the completion date on October 21st, 2024 while July update shows the completion date on August 12th, 2024 that means that the current project update is behind than the previous update by 70 calendar days, but is behind the required schedule by 182 calendar days which is affected due to the weather days
- The progress on October update for PORT ST LUCIE BLVD. location at phase 1, 2, 3, 4 than July updates to be finish on October 2nd, 2024 instead of June 25th, 2024 with 69 calendar days delay & Location SW TULIP BLVD. at phases 1, 2, 3 to be finish on September 11th, 2024 instead of July 3rd, 2024 with 70 calendar days delay and for location ALCANTARRA BLVD. at phases 1, 2 & 3 to be finish on February 1st, 2023 instead of October 19th, 2023 with 105 calendar days delays

The updated schedule shows the Project Final Completion on October 21st, 2024

APPENDIX A

APPENDIX B