

**WPTP Primary Sedimentation  
Area Roof Structure Project**

Owner: KC WTD  
Owner Project #: C01398C20  
SJC Job #: 21002

## **July 1<sup>st</sup>, 2021 Schedule Update #1 Schedule Narrative**

- Stellar J's projected Substantial Completion date is September 16, 2021.
- Stellar J's Final Completion date is January 20, 2023.
- Progress in the last period.
  - mobilized to the site.
  - Setup access at the roof level. Started Lead abatement of the beams. Started demo/removal of the z-beams. Performed a negative exposure assessment which allowed the z-beams to be demo without lead abatement being performed prior to demo. Have removed 65 of the 167 beams in phase 1.
  - Started Concrete repairs in phase 1. Performed all the shotcrete work of the walls in the tanks and pre-aeration basin. Poured the 5 column bolstering in
  - 3. Have drilled and prepped, and rebar majority of the columns bolstering and shear wall upgrades.
  - Chipped away the z-beam studs and routed the z-beam voids between GL 2-5 where the new steel/FRP roof is to be installed. The steel erector subcontractor has started to hang the knife plates and ledger angels on the concrete girders.
  - Electrical Subcontractor has demo the existing conduit and install temporary conduit to the equipment that needs to stay temporary running. Have started to install new conduit raceways to the skum skimmer motor locations. Install new control boxes for the skum skimmer motors.
  - HVAC subcontractor has cut and cap the existing duct at GL H. Existing duct has been removed over phase 1. The HVAC sub has also installed the temporary odor control ducting that will be in use during phase 2.
- Milestones Complete
  - None
- Critical Path progress and Impacts on Schedule.
  - Total Float on the project is 0 days
  - Total Float o the Milesestone of having East Basin back in Service by September 17, 2021 to -13 days
  - The critical path at this time is finishing the concrete repairs in Tanks 1E-3E and getting the tanks into operational testing. Then transitioning to the South Quadrant concrete repairs and getting them into operation testing. There is a -13 days float on these activity path. There have been multiple issues/conflicts that have resulted in RFIs. These conflict/issues have resulted in delays.
  - Completing the steel roof framing to install the electrical conduits at GL 3E and wire the skum skimmer motors is critical. There is -13 days of float.

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- Stellar J is working overtime to catch back up on schedule to meet the restriction that the East Basin needs to be back into service by September 17, 2021. There is also 10 days of float with the weather window for if the tanks need to be put back into service. Stellar J is anticipating the work in Phase 2 will progress at a quicker rate as most of the conflicts/issues have been identified in Phase 1 and solutions have already been determined. Stellar J has also been able to improve their procedures and become more efficient in the work. Stellar J believe it will be able to improve on the concrete repair schedule for phase 2.
- Major Equipment Deliveries
  - Steel for Roof Framing
  - FRP Grating
  - FRP roof panels
- Changes to schedule logic or sequencing of the work.
  - Created Activity A3450 Hauling Z-Beams to Landfill from Site
  - Added A3870 Install Structural Steel for Roof as Predecessor to A3090 Install Conduit at 3E/4E
  - Reduced Duration of Activity 3090
  - Removed A3080 as a successor to A2980 and made it a predecessor
  - Removed A3690 as a predecessor to A3080
  - Added A2980 as a predecessor to A3440
  - Removed A2480 as a successor to A3830
  - Removed A3430 as a predecessor to A2270
  - Added Activity A5640 Temp Odor Control Duct for Temp Odor Control of Tanks 1E-3E
  - Added Activity A5080 Temp Odor Control for Tanks 1E-3E
  - Removed A3130 as a predecessor to A3110
  - Removed A3100 as a predecessor to A3110
  - Removed A2700 & A2870 as a predecessor to A2710
  - Added A5080 as a predecessor to A2710
  - Removed A3030 as predecessor to A3060
  - Removed A3010 as a predecessor to A3730
  - Created Activity A5090 Z-Beam Removal for GL19-20
  - Added A4780 as a successor to A5090
- Submittal Concerns
  - None