



2-17-2014

Cavendish ER BRF 0146(13)

CPM Narrative #1(REV#1)

The initial schedule for the project has been developed into three distinct phases.

Phase 1 Involves the developing an overall game plan to have the project ready for the critical road closure period. This involved the creation of a site casting plan for the precast elements of the proposed new structure. This includes the precast abutments, precast approach slabs, and the prefabricated bridge superstructure units (pbu's). Self-performing casting of elements was selected to keep as much control of the project in the hands of the general contractor. Minor changes to the project were developed with the Project Manager to fine tune elements of the project to fit the Contractors preferred method of construction. Submittals have been approved for the Fabrication of Precast Abutments and Approach Slabs with a change order executed. The revised PBU submittal has been submitted for review.

Phase 2 Involves the Shutdown of route 131 and implementation of a detour for the bridge replacement. This period is scheduled to begin June 23rd and be complete by July 25th. We have a separate schedule hourly schedule detailing our proposed flow of activities during this time. It is our intent to work 7days a week, long 12-16hr shifts, with no planned night work. We will have temporary lighting available if work extends beyond daylight. (9 pm) This approach was successfully used on the Chester project we completed in 2011. Installation of the piling is the biggest wildcard. The rest is just assembly. We have subcontracted to H B Fleming to perform pile installation and testing. We will be supporting them with excavation services as conditions dictate. This phase will end with the bridge completed and opened to two-way traffic as described in the contract.

Phase 3 involves the completion of the permanent contract features. These include approach rail, guardrail, signs, pavements, plug joints and striping and final sign installation o. Also final grading of all slopes with turf establishment efforts. De-mobilization of our staging area and final clean-up will bring our efforts to a close.

The game plan we devised for this project retains control of the fabrication as well as the installation of critical project elements with the General Contractor. It also directly involves the resident engineer and their project staff in production of the precast elements so that all parties are partnered from beginning to end. This interaction brings everyone to the table every day.

Timely review of the revised PBU submittal is important to remaining on our production schedule for the units. The new dual coated reinforcing is not available locally and has become a long lead-time item. A conditional approval of the reinforcing drawings included as part of the PBU submittal would alleviate

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potential material delays. At the suggestion of VTRANS we have separated the PBU erection and fabrication submittals. Revised Fabrication drawings have been submitted and an Erection plan will follow shortly.

Progress on the project continues on a daily basis, abutments have been cast and cured with casting of the remaining approach slabs section will be complete 2-18-2014. Prebuilding of form elements will also occur during February. Structural steel is completed at Casco Bays shop and is scheduled for a March delivery.

The schedule has been revised taking into consideration VTRANS Comments. A few notes to address VTRANS comments of the prior schedule submittal.

1. Critical path is created by Microsoft project. As many of the items before the actual start of the project have been completed they would not be calculated in the current critical path.
2. Items that exceed the max 15 day task duration are VTRANS review periods. Vtrans on some items has a 21 day or longer review time. I would suggest that these tasks not be governed by the 15 day task limit.
3. Submittals- All apparent submittals have been added to the project.
4. All dates are based on daily records that have been produced by field personnel.
5. Progress bars are shown within the task-bar