



May 2, 2014

Wilmington STP 013-1 (14)

Project Overview:

The Wilmington STP 013-1 (14) Project involves the replacement of Bridge 47 (culvert) with a new reinforced precast concrete box culvert with related approach and channel work. The project location is in the Town of Wilmington, VT on Vermont Route 100 beginning at Mile Marker .360 and ending at Mile Marker .379. The new structure will be approximately 60 feet in length with 200 feet of roadway work.

The intent of the Project is to have the bridge closure period (BCP) be as short a duration as possible. The allowable BCP is 60 consecutive hours. During the BCP, work will be allowed on the bridge 24 hours per day.

The Contract Completion Date is September 5, 2014. The BCP shall begin on or after July 11, 2014.

Schedule:

M&M Excavating's approach in preparing the Preliminary Project Baseline Schedule is to sequence activities as logically and efficiently as possible.

Pre-Construction:

Pre-Construction activities include the submission and subsequent approval of all required submittals. Required submittals for the project and status of each are as follows:

- CPM Schedule Software Request – Approved
- CPM Schedule – Ready for Submission
- EPSC Plan – In Progress
- Traffic Control Plan – Ready for Submission
- Precast Structural Stamped Fabrication Drawings – Ready for Submission
- Materials Submittals – In Progress
- Location of Stockpiling of Materials – In Progress



Approved BCP dates are July 11-14, July 18-21, August 8-11, August 15-18, or August 22-25. Preliminary scheduling shows BCP as July 11-14. Approximately 16 days are remaining in the schedule from the conclusion of the BCP to the final completion of the job. Based on the preliminary schedule the last possible BCP we could use would be August 15-18.

Stockpiling of Materials

We have selected a location approximately ¼ mile south of the project and are working on securing state approval.

Resident Engineer's Trailer Setup

We are currently working out a location with the Town of Wilmington for a site on Rader Road.

Prior to Bridge Closure, work periods will be limited to Monday through Friday from 7AM to 5PM. Approximate crew size 4 consisting of one project manager, one equipment operator and two laborers. Flaggers add two individuals to the crew. Traffic prior to BCP will be one lane, two-way traffic during these periods.

Closure

We anticipate two crews working a maximum shift of 12 hours. Size of crew will be approximately two equipment operators, one project manager, three laborers and one truck driver. Uniformed Traffic Officers will add one individual to the crew during daylight hours.

Equipment on site during BCP will consist of two track excavators, one wheeled excavator, loader, two compact vibratory rollers, and two dump trucks. Equipment will not be utilized at all times. We have planned for backup equipment on site to avoid down-time delays.

The BCP is restricted to 60 hours which is 2 ½ working days. Fatigue is a concern but significantly less of a concern considering the short BCP. We intend to take a full day or two off to rest the crew after the BCP.

Post-Closure

Post-Closure activities include rip-rap installation, paving, guardrail installation, the removal of the detour signage and traffic control devices, demobilization, and subsequent removal of the

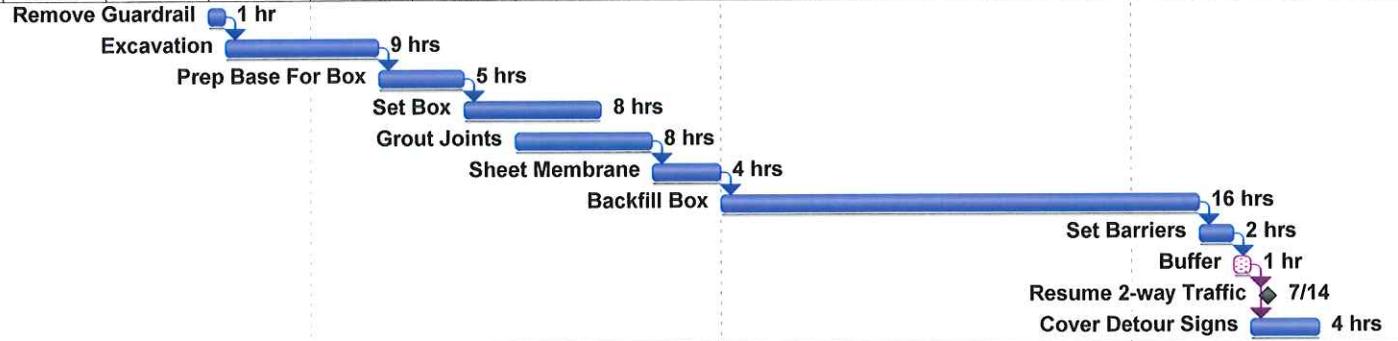


Engineer's Trailer. We have anticipated approximately two weeks. That time can be shortened however, since we are relying on two subcontractors we have determined it may not be shortened enough to take advantage of the last possible BCP which is August 22-25.

Critical Path Scheduling

The CPM Schedule is divided into two schedules. Prior and Post BCP shows tasks set by the day. During the BCP tasks are marked by the hour.

ID	Task Name	Duration	Start	Finish	Predecessors	July 13, 2014															
						Fri Jul 11				Sat Jul 12				Sun Jul 13				Mon Jul 14			
						12 AM	6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	
1	Remove Guardrail	1 hr	Fri 7/11/14	Fri 7/11/14																	
2	Excavation	9 hrs	Fri 7/11/14	Sat 7/12/14 1																	
3	Prep Base For Box	5 hrs	Sat 7/12/14	Sat 7/12/14 2																	
4	Set Box	8 hrs	Sat 7/12/14	Sat 7/12/14 3																	
5	Grout Joints	8 hrs	Sat 7/12/14	Sat 7/12/14																	
6	Sheet Membrane	4 hrs	Sat 7/12/14	Sat 7/12/14 5																	
7	Backfill Box	16 hrs	Sat 7/12/14	Mon 7/14/14 6																	
8	Set Barriers	2 hrs	Mon 7/14/14	Mon 7/14/14 7																	
9	Buffer	1 hr	Mon 7/14/14	Mon 7/14/14 8																	
10	Resume 2-way Traffic	1 hr	Mon 7/14/14	Mon 7/14/14 9																	
11	Cover Detour Signs	4 hrs	Mon 7/14/14	Mon 7/14/14 9																	



Project: hourly 1
Date: Mon 5/5/14

Task
Split



Progress
Milestone



Summary
Project Summary

External Tasks
External Milestone



Deadline

