

MILLER CONSTRUCTION, INC.

P.O. BOX 86 ASCUTNEY BLVD WINDSOR, VERMONT 05089-0086
 TELEPHONE (802) 674-5525 / FAX (802) 674-5245

TRANSMITTAL

TO: Rob Young, PE Project Manager Vermont Agency of Transportation	DATE	PROJECT NO.
	3/25/2016	Woodstock BRF 0151 (21)

XX

WE ENCLOSE THE FOLLOWING:

UNDER SEPARATE COVER WE ARE SENDING THE FOLLOWING

COPIES	NUMBER	DESCRIPTION	CODE
1		CPM Schedule Rev 0	H

CODE:

A FOR INITIAL APPROVAL

B FOR FINAL APPROVAL

C APPROVED AS NOTED-RESUBMISSION REQUIRED

D APPROVED AS NOTED-RESUBMISSION NOT REQUIRED

E DISAPPROVED-RESUBMIT

F QUOTATION REQUESTED

G APPROVED

H FOR APPROVAL

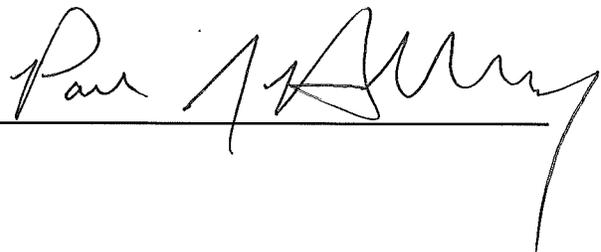
I AS REQUESTED OR REQUIRED

J FOR USE IN ERECTION

K LETTER FOLLOWS

L FOR FIELD CHECK

M FOR YOUR USE

BY: 

MILLER CONSTRUCTION, INC.

PO BOX 86
WINDSOR, VT 05089

(802) 674-5525
Fax (802) 674-5245

03/25/16

Woodstock BRF 0151 (21) – Schedule Narrative – Revision 0

Project Overview:

The Woodstock BRF 0151 (21) Project involves the removal of Bridge 24 and its abutments. Bridge 24 will be replaced with a precast 3 sided frame spanning 45.27 feet with a 45 degree skew over Kedron Brook, on new piles along the same alignment. Bridge 24 is located in the Town of Woodstock, on VT Route 106, approximately at the intersections of VT Route 106, Bryant Road, and Kendall Road.

The intent of the Project is to have the bridge closure period (BCP) be as short a duration as possible. The allowable BCP is 21 consecutive calendar days. During the BCP, work will be allowed on the bridge 24 hours per day, 7 days per week, including holiday periods.

The Contract Completion Date is July 1, 2016. The BCP shall begin on or after May 12, 2016, and end on or before June 6, 2016.

Schedule:

The Miller Construction, Inc. approach in preparing the Preliminary Project Baseline Schedule is to sequence activities as logically and efficiently as possible. All activities comprise of basic bridge building concepts with finish-start relationships.

Pre-Construction:

Pre-Construction activities include the submission and subsequent approval of all required submittals. There are (11) eleven required submittals for the project and status of each is as follows:

- Driller Qualifications – Approved
- Micropile Installation – Approved
- Rail Shop Drawings – Approved
- CPM Schedule – In Review
- Precast Structure Design – In Review
- EPSC Plan – Pending Submission
- Traffic Control Plan – In Review
- HPC Rapid Set Mix – Pending 2016 Aggregate Property Value Submission
- Precast Structure Erection Plan – Pending Submission
- Lighting Plan – Pending Submission
- Begin Construction Date Letter – Pending Submission

MILLER CONSTRUCTION, INC.

PO BOX 86
WINDSOR, VT 05089

(802) 674-5525
Fax (802) 674-5245

Pre-Construction activities also include the procurement of material. The status of material with significant lead time is as follows:

Pile Casing – Pending acceptance certification review
Bridge & Approach Rail – Ordered and will be stockpiled at F.R. Lafayette
Level II Reinforcing Steel – Ordered, pending Plant Scheduling
Precast Concrete – Pending Approval of Shop Drawings

One potential conflict that exists is the availability of Level II Reinforcing Steel. Currently, Gerda Ameristeel, located in Tennessee is the sole manufacturer of dual coated rebar. Lead time of material can vary from (4) four weeks to (10) ten weeks dependant on order size, time of year, equipment break downs, etc. Rebar has been ordered and will be stored properly at the Miller Construction, Inc. yard in order to minimize any effect on the schedule.

Another potential conflict that exists is the ability for the Precast Manufacturer to have all precast components fabricated and accepted prior to the Bridge Closure on May 16th. Although they have not indicated any concern with their ability to meet the schedule, we suspect they have the same difficulty acquiring Level II Reinforcing Steel as other contractors.

Pre-Construction activities also include the submission and subsequent approval of all proposed subcontracts. Currently, all but (1) one anticipated subcontract (American Flagging & Traffic Control) for the project have been submitted and approved.

Pre-Closure:

Pre-Closure activities include the Resident Engineer's trailer setup, building inspection of the property located at 588 Kendall Road, detour signage installation, equipment mobilization, and Pile Installation.

Resident Engineer's Trailer Setup:

An agreement has been made with a landowner to stage the Engineer's trailer on an adjacent property. Use of this site is pending approval of VTrans Natural and Cultural Resources.

Building Inspection:

BECC has performed a building inspection of the property located at 588 Kendall Road on 3/20/16.

Detour Signage Installation:

Detour signage shall be installed and covered during April. Covers shall remain in place until Route 106 is closed and the detour is opened.

MILLER CONSTRUCTION, INC.

PO BOX 86
WINDSOR, VT 05089

(802) 674-5525
Fax (802) 674-5245

Equipment Mobilization:

Other projects and commitments have been scheduled so that maintenance and mobilization of equipment can occur Mid-April.

Pile Installation:

The driller is currently scheduled to Mobilize the last week in April to install piles in the 14 days prior to the BCP.

One potential conflict that exists is the unknown regarding the pile installation. Although we anticipate a total duration of 15 days, if difficulty drilling is encountered, the installation operation will impede required operations during the BCP.

Closure:

Closure activities include the removal of the existing structure and subsequent construction of the new structure. All work up to, and including the membrane, subbase material on the approaches, and either permanent or temporary rail is required to open the bridge to two-way traffic.

One potential conflict that exists is weather. As with any project, it is possible to experience conditions to include, but not limited to, extreme heat, rain, flood, and wind. The contract states that that the BCP is absolutely fixed and will not be changed for any Act of God, omission, improper action, direction of the Engineer, or any other reason unless done so by the Secretary and only under extreme conditions as determined by the Secretary. Every effort shall be made to work though extreme conditions in a safe and productive manner.

Post-Closure:

Post-Closure activities include the removal of the detour signage and traffic control devices, demobilization, and subsequent removal of the Engineer's Trailer.

All contract items may not be complete at the time of releasing traffic onto Route 106. Such remaining items include, but are not limited to, pavement, joints, line striping, and site reclamation. If required, such work shall be performed with full time, certified flaggers and the schedule adjusted accordingly.

Resources:

It is assumed that two crews will be working extended hours over a seven-day workweek during the BCP. At this time, limited night work is anticipated, but it shall be extended should it be deemed necessary.

Crew fatigue is a major concern for the project. Safety and productivity will need to be monitored on a continuous basis and crew adjustments made accordingly.

MILLER CONSTRUCTION, INC.

PO BOX 86
WINDSOR, VT 05089

(802) 674-5525
Fax (802) 674-5245

Critical Path:

Critical Path items highlighted yellow.

Critical Path items include certain submittals. Although these submittals are critical to the start and completion dates of the project, there is significant float in the submission and approval dates of said items.

Milestone Dates are as follows:

10/30/15 Bid Date

12/01/15 Date of Contract

12/04/15 Notice to Proceed

XX/XX/XX Pre-Construction Meeting – Not Scheduled Yet

04/27/16 Public Outreach Meeting

05/16/16 Begin BCP

05/28/16 Superstructure Set

06/05/16 End BCP

07/01/16 Project Completion

BCP duration is 21 consecutive calendar days.

4 Week Look Ahead:

Activities to occur in the next 4 weeks are as follows:

Approval of Precast Design

Approval of TTC Plan

Approval of CPM Schedule

Submission and Review of EPSC Plan

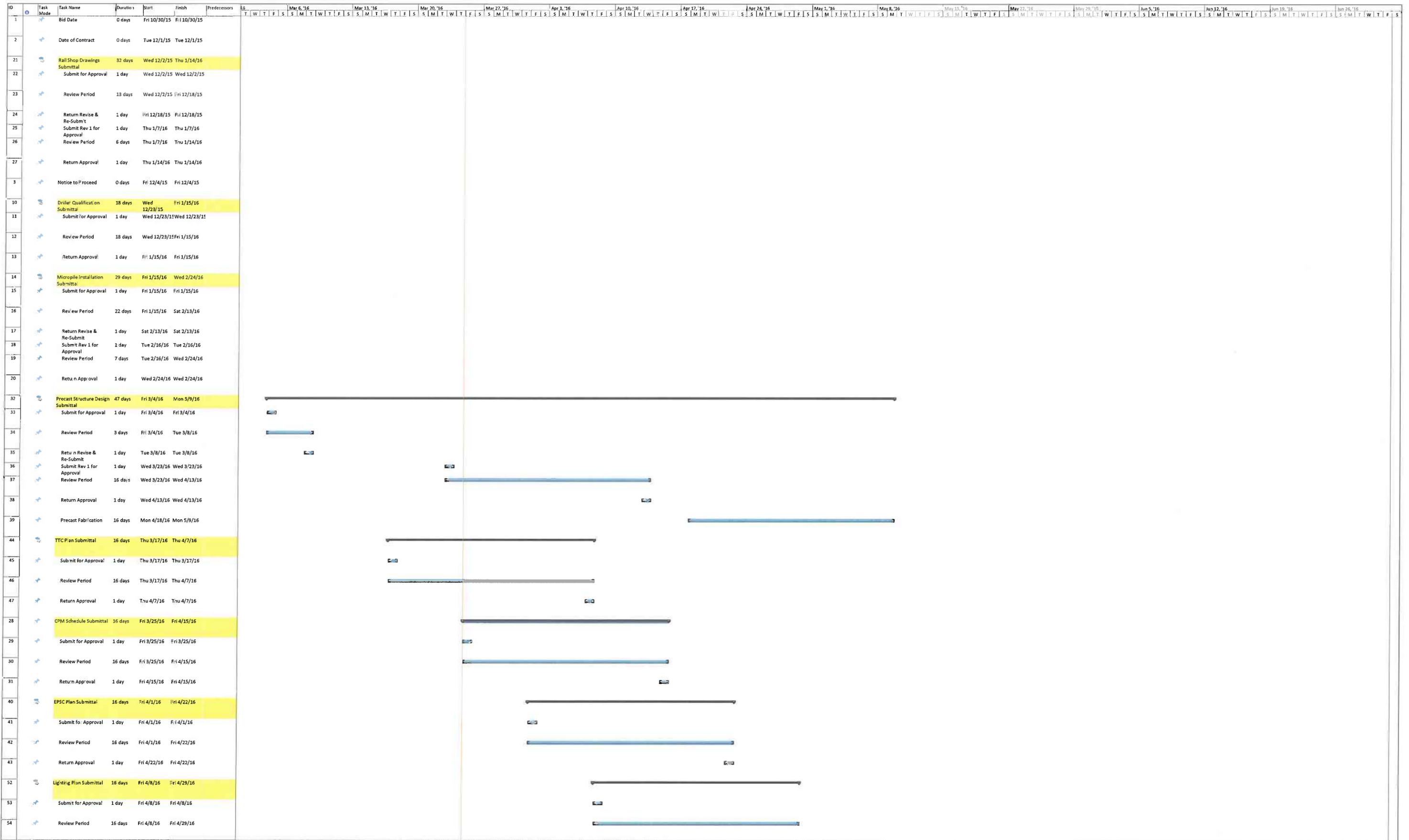
Submission and Review of Lighting Plan

Submission and Review of Erection Plan

Set up Field Office

Begin Installation of Detour Signage

Begin Precast Fabrication



Project: Woodstock Date: Fri 3/25/16

Task Split Milestone Project Summary External Tasks External Milestone Inactive Milestone Inactive Summary Manual Task Manual Summary Rollup Start-only Finish-only Deadline Progress

