

J. P. CARRARA & SONS, INC.

PRECAST/PRESTRESSED CONCRETE PRODUCTS

REQUEST FOR INFORMATION

TO: Carl Gleason	FROM: Mike Davis
COMPANY: A.L. St. Onge	DATE: 3/7/16
FAX NUMBER: -	TOTAL NO. OF PAGES INCLUDING COVER: 4
PHONE NUMBER:	SENDER'S REFERENCE NUMBER: <b>RFI #3</b>
RE: <b>Waitsfield BRF 013-4(39) - Bridge No. 177; VT 100 over Mad River</b> Waitsfield, VT	

URGENT     FOR REVIEW     PLEASE COMMENT     PLEASE REPLY     FOR YOUR USE

PLEASE PROVIDE AND/OR CLARIFY THE FOLLOWING:

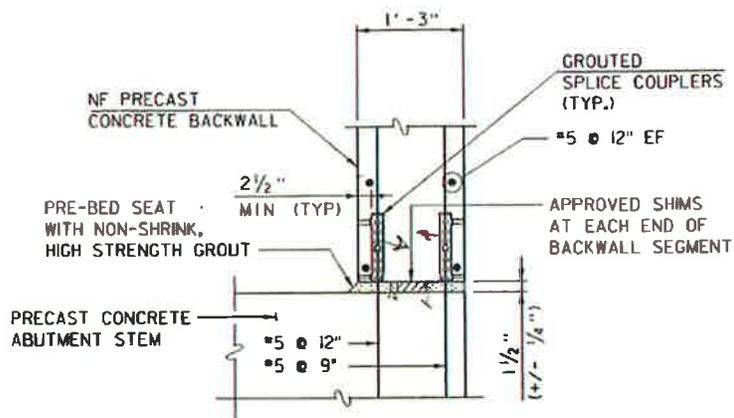
**RFI #3: Back Wall Reinforcement Layout**

Contract drawings, including the attached detail excerpt on sheet 45 of 69, show 2 1/2" clear cover from the face of back wall concrete to the edge of the splice sleeves, however, transverse reinforcement is shown on the outside of the sleeves and U-shaped reinforcement at the top of the back walls is shown outside of the transverse bars which violates the 3" cover requirement stated in the contract drawings. JPC assumes that the contract drawing clear cover of 3" on reinforcement applies to the U-shaped bars, and other reinforcement is laid out inside of this reinforcement which results in grouted splice sleeves that are laid out only 5 1/2" center to center and only 11 1/2" center to center for Abutment #2 and Abutment #1 respectively, as shown on the attached.

JPC submits the attached back wall reinforcing sections for Abutment #2 and Abutment #1 to show the reinforcement layout in back walls based on the contract drawings and to propose alternative reinforcement layouts for each case. The alternative proposals place the transverse reinforcement inside of the splice sleeves and increase the center to center spacing between splice sleeves which may be more desirable for design.

JPC requests confirmation on the intended detailing approach for the layout of reinforcement in the back walls.

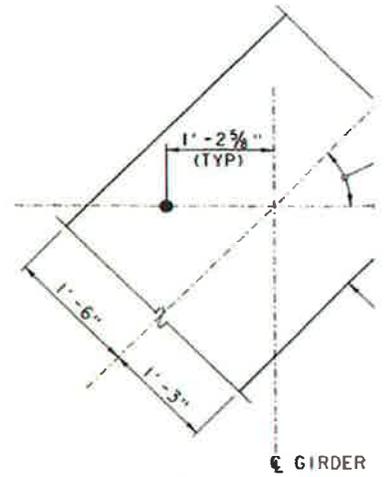
Please contact us at 802-388-6363 with any questions or to discuss.



**BACKWALL TO ABUTMENT STEM  
CONNECTION DETAIL**

SCALE: 1" = 1'-0"

SHT. 45 OF 69



**ANCHOR BOLT LAY**

SCALE: 1" = 1'-0"

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#23480-016

Waitsfield VT Bridge  
JPC RFI #3 Attachement

Contract Drawing 45 of 69 excerpt

9" WIDE SEAL WRAP OR  
EZ-WRAP RUBBER FULL  
HEIGHT OF FOOTING  
(WITHIN WRAP LIMITS)

1" MIN  
(TYP)

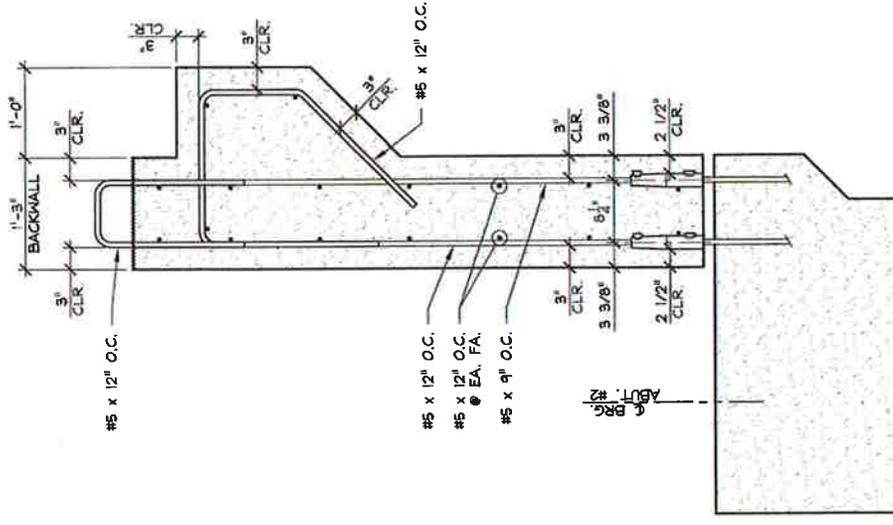
APPLY A THIN  
(0.02 TO 0.04 IN.)  
LAYER OF APPROVED  
EPOXY BONDER

**ABUTMENT STEM MATCH (**

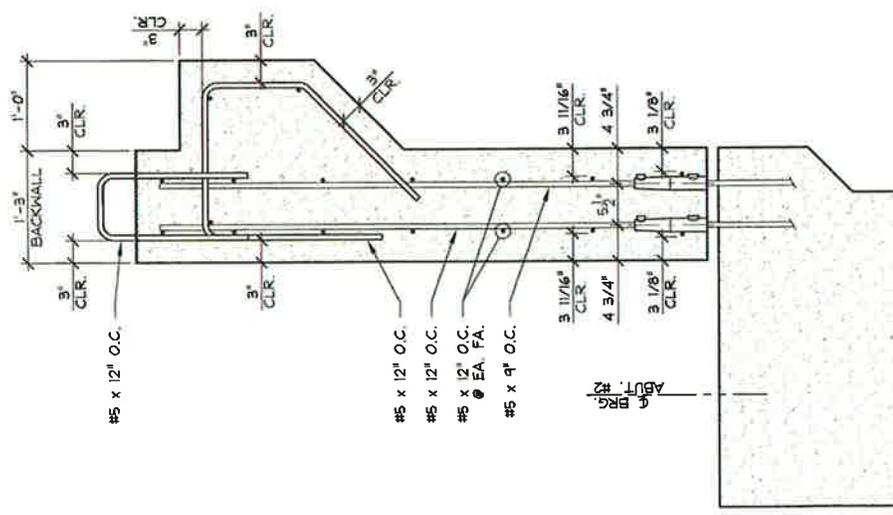
SCALE: 1/2" = 1'-0"

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 #23480-016

Waitsfield VT Bridge  
 JPC RFI #3 Attachment  
 Abutment #2 Backwall  
 Reinforcement Section

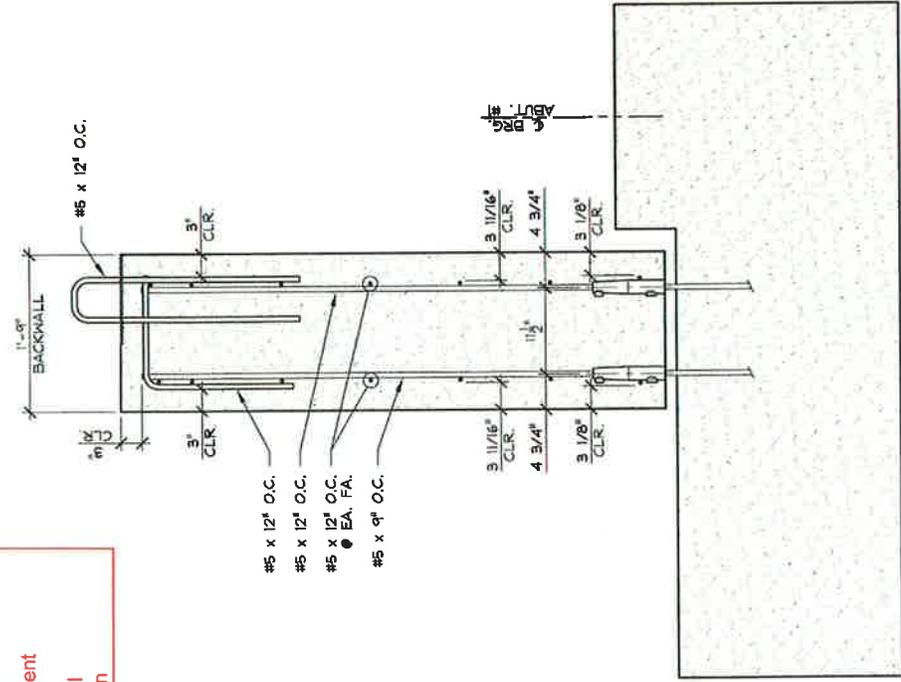


**BACKWALL REINF. SECTION (ABUT. #2)**  
 (PROPOSED ALTERNATIVE) 3/4" = 1'-0"

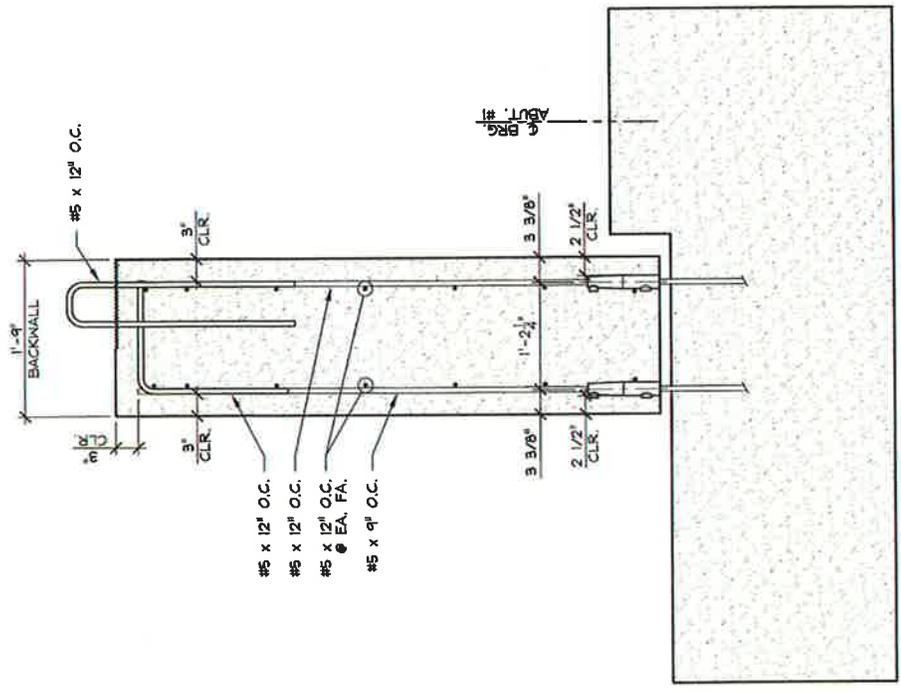


**BACKWALL REINF. SECTION (ABUT. #2)**  
 (PER CONTRACT DRAWINGS) 3/4" = 1'-0"

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 #23480-016  
 Waitsfield VT Bridge  
 JPC RFI #3 Attachment  
 Abutment #1 Backwall  
 Reinforcement Section



**BACKWALL REINF. SECTION (ABUT. #1)**  
**(PER CONTRACT DRAWINGS) 3/4" = 1'-0"**



**BACKWALL REINF. SECTION (ABUT. #1)**  
**(PROPOSED ALTERNATIVE) 3/4" = 1'-0"**