

Precast Bridge Abutments

Stowe BRF 0235(II)

Per general notes, all exposed edges shall be chamfered 1" x 1" unless otherwise noted

Concrete:

Mix Designation: P50TER

- | | |
|-------------------------|-----------------------|
| 1. Specified Mix Design | 5000 PSI |
| 2. Proposed Mix Design | 6000 PSI |
| 3. Striping Strength | 4250 PSI |
| 4. Handling Strength | 4250 PSI ^Δ |
| 5. Shipping Strength | 5000 PSI |
| 6. Install Strength | 5000 PSI |
| 7. Traffic Loading | 5000 PSI |

Fabrication Tolerances:

- | | |
|---------------------|----------------------------------|
| 1. Width | ±1/4" |
| 2. Height | ±1/4" |
| 3. Length | ±1/2" |
| 4. Rebar Cover | 3" Min. (Unless Noted Otherwise) |
| 5. Rebar Spacing | ±1" |
| 6. Rebar Clearance | ±1/4" |
| 7. Insert Placement | ±1/4" |

Vermont Agency of Transportation

RECEIVED

CK'D BY CLB OK'D BY DRP

January 13, 2015

RESUBMIT NO Approved AsNoted
BY C. CARLSON DATE 01/15/15

Reinforcing:

General Notes:

1. Reinforcing Steel - ASTM A615, Grade 60, Level II, Dual Coated
2. Materials and Manufacturing shall conform to ASTM C1433
3. Bar tied at every intersection.
4. Grout Sleeves to be epoxy coated.
5. 5' long test bars for each bar size size will be provided along with (3) grout couplers for each size bar.

Tolerances:

1. Spacing ±1"
2. Clearance ±1/4"
3. Clear Cover 3" U.N.O.

Lap Lengths:

1. Per AASHTO 5.11.2.1.1 & 5.11.5.3.1
Lap Length for Level II (Dual Coated):
#4 Bar=17"
#5 Bar=26"
#6 Bar=39"
#7 Bar=53"
#8 Bar=69"

Note: See pg 6 for typical vertical lap lengths for bars extending into cast in place abutment sections

General Notes:

1. All precast pieces will be dry fit prior to shipping.
2. All lifting anchor points to be grouted after use.(by site contractor)
3. All rebar spacing chairs to be plastic
4. All exposed edges to be chamfered $\frac{3}{4}$ " ^Δ

Post Tensioning

1. All anchoring assemblies will be galvanized plated.
2. Two tensioning strands per duct.
3. Tension ducts will be 3" SCH 40 PVC conduit.
4. Post tension strands will be .5"Ø, 270 ksi, low relaxation, 7-wire strands.
5. Strands will be tensioned to 32 kips prior to the H-pile sleeves being filled with HPC RS.
6. Tensioning block outs to be filled with grout of vertical overhead repair material after tensioning is complete.

Agree provide two, 5-foot test bars for each bar size. It should be noted that none of the quantities provided on the reinforcing sheet schedules account for the additional bars, so that should be kept in mind.

CONTRACTOR'S VISIT: ^Δ- Rev. 1 - 01/08/15 - Changes per VTrans Review

PRECAST CONCRETE ABUTMENT SHOP DRAWINGS (SDI JOB #15163)

SUPERVISOR: M. WHEELER
DETAILER: I. ADAMS
CHECKER: E. Barendse
ENGINEER:

PROJECT NAME:
Stowe BRF 0235 (II)
PROJECT #: 0235 (II)
LOCATION: Stowe, VT

INSTALLER:
CCS Construction
138 Munson Ave
Morrisville, VT 05661
PH: 802-888-7701

01/08/15

FABRICATOR:
193 INDUSTRIAL AVE.
WILLISTON, VT 05495
PH: (802) 658-0201



Abutment Text

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