



1 PRECAST APPROACH SLAB NO. 1 LAYOUT  
1/4" = 1'-0"

2 PRECAST APPROACH SLAB NO. 2 LAYOUT  
1/4" = 1'-0"

- APPROACH SLAB GENERAL NOTES**
- MIN. CONCRETE STRENGTH AT 28 DAYS SHALL BE 5,000 PSI.
  - MIN. CONCRETE STRENGTH FOR HANDLING SHALL BE 3,000 PSI (UNLESS NOTED OTHERWISE).
  - REINFORCING STEEL SHALL BE GR-60, ASTM A-615 (AASHTO M31), AND SHALL BE EPOXY COATED, (AS NOTED ON SHOP DRAWINGS).
  - THE TOP OF APPROACH SLABS SHALL RECEIVE A SMOOTH SCREED FINISH (UNLESS NOTED OTHERWISE ON SHOP DRAWINGS).
  - APPROACH SLABS SHALL BE HANDLED AND ERECTED USING THE LIFTING INSERTS ONLY. THE MINIMUM SLING ANGLE FROM THE HORIZONTAL SHALL BE 60°. APPROACH SLABS SHALL BE STORED & TRANSPORTED WITH TIMBER SUPPORTS AT 5th POINTS, UNLESS APPROVED BY J.P. CARRARA & SONS, INC.
  - MATERIAL SPECIFICATION AND MIX DESIGN SHALL CONFORM TO VERMONT SPEC. P540.02 AND P540.05 RESPECTIVELY.  
DESIGN MIX: J.P.C. BRIDGE MIX #445MSCC  
AIR 5% - 9%  
SPREAD 20' - 28'  
APPROVAL DATE JUNE 6, 2016
  - QUALITY CONTROL PROCEDURES ARE IN ACCORDANCE WITH PCI REQUIREMENTS. J.P. CARRARA & SONS, INC. IS A PCI CERTIFIED PLANT.
  - CURING METHOD: AS SOON AS THE TOP OF SLAB IS FINISHED, A COVER OF POLY WILL BE PLACED OVER THE SLAB. NATURAL CURE WITH NO EXTERNAL HEAT APPLIED. AMBIENT ENCLOSURE TEMPERATURE SHALL BE MONITORED. UNITS SHALL NOT BE EXPOSED TO A TEMPERATURE DIFFERENTIAL GREATER THAN 40°F FOR LONGER THAN 30 MINUTES WHICH WILL BE NECESSARY TO REMOVE THE SURFACE RETARDER AND ACHIEVE THE DESIRED KEYWAY FINISH. UNITS SHALL NOT BE EXPOSED TO A TEMPERATURES LESS THAN 36°F UNTIL DESIGN STRENGTH IS ACHIEVED.
  - SHEAR KEY SURFACES SHALL BE ROUGHENED TO PROVIDE AN 1/8" AMPLITUDE EXPOSED AGGREGATE PROFILE. FABRICATOR MAY UTILIZE A SURFACE RETARDER WITH WATER BLAST, SAND BLAST, OR A COMBINATION OF BOTH TO ACHIEVE THE DESIRED SHEAR KEY SURFACE FINISH.

**T.Y. LIN INTERNATIONAL**  
THE STAMPED DOCUMENTS ARE HEREBY:  
 -X- APPROVED  
 \_\_\_\_\_ APPROVED AS NOTED  
 \_\_\_\_\_ REVISE AND RESUBMIT  
 SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.  
 THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.  
 \_\_\_\_\_ JOSH OLUND REVIEWER February 24, 2017 DATE

2-22-17 REVISED AS NOTED  
 APPROVAL STAMP:  
 Vermont Agency of Transportation  
**RECEIVED**  
 CK'D BY TYLin OK'D BY TYLin  
 February 27, 2017  
 RESUBMIT No Approved  
 BY Kristin Higgins DATE 2/28/2017

<b>J.P. CARRARA &amp; SONS INC.</b> Precast & Prestress Manufacturer 2844 OASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010	CPM CONSTRUCTORS CONTRACTOR FREEPORT, MAINE
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ORANGE	DATE: NOV. 29, 2016 SCALE: NOTED
TOWN OF CHelsea VT ROUTE 110, RURAL MAJOR COLLECTOR BRIDGE NO.: 9 PROJECT NO.: BHF 0169(9)	CHKD: A.S. DFTM: B.L. JOB NO: 23505-016
<b>PRECAST APPROACH SLAB LAYOUTS</b>	DWG. NO: <b>F1</b> BRIDGE 9