

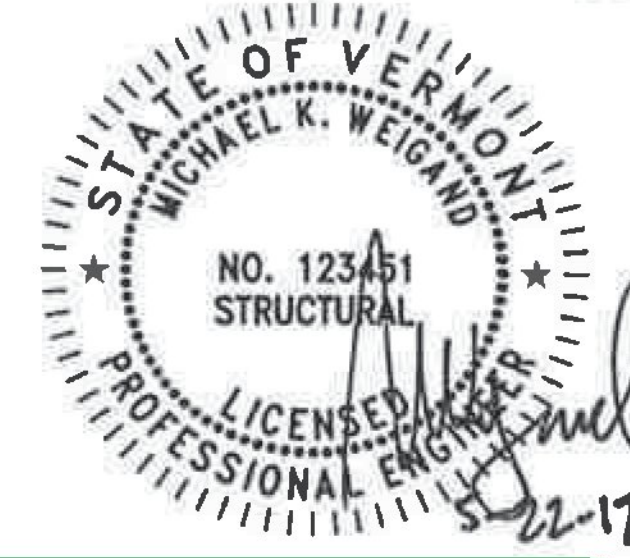
v2

MAIN ST. BRIDGE 102 & MEMORIALS REW BRIDGE 2

TEMPORARY BRIDGES

PROJECT EWP3 (1)

MIDDLEBURY, VT



Vermont Agency of Transportation
Accepted

By Joel Perrigo at 3:25 pm, Jun 27, 2017

PRECAST CONCRETE LIFT DESIGN CALCULATIONS

* PRECAST FOOTINGS $f'_{ci} = 3500 \text{ psi}$ $f'_c = 5000 \text{ psi}$

$Weight_{lift} = 18.30 \text{ T}$

THERE ARE (4) LIFT LOCATIONS & BASED ON 60° MINIMUM SLING ANGLE WITH HORIZONTAL

DESIGN / LIFT LOCATION = $\frac{18.30 \text{ T} \times 2}{(4) (0.866)} = 10.6 \text{ K}$

FROM ADJACENT PRODUCT INFORMATION USE 8-TON X 10' LIFT

SWIFT LIFT ANCHORS, SWL (4:1 S.F.) = 16,000 LB., c.c.