

VT 100 BRIDGE 177
PROJECT BF 013-4(39)
WATTS FIELD, VT



LIFT INSERT DESIGN CALCULATIONS
(WORK WITH JPC SUEP DRAWINGS)

6-6' LONG X 8'-0" WIDE 3 1/2" SIP PRESTRESSED PANELS.
WT = 2240 LB.

TURNING ANGLE (A) LIFT POINTS PER PANEL - & ASSUME
SLING ANGLE IS 60° w/ HORIZONTAL.

$$\text{DESIGN LOAD / INSERT} = \frac{2240}{4 \times 0.866} = 0.65 \text{ K}$$

FROM ATTACHED PRODUCT INFORMATION,

USE DAYTON SUPERION P-52 1-TON X 2 3/8" SWIFT LIFT ANCHOR

$$\text{SWL} = 1,700 \text{ LB} > 0.65 \text{ K}, \text{ O.K.}$$

Reviewed for Conformance
 Rejected

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the working drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

McFarland Johnson, Inc. Date: 3/8/16
53 Regional Drive
Concord, NH 03301 By: D. Kull
(603) 225-2978

Vermont Agency of Transportation

RECEIVED

ON: February 25, 2016

and Checked for

CONFORMANCE

BY: Rob Young DATE: 03/08/2016