

















K: \Projects\USNH\dwgs \Franklin\river_xing\TID-14\TID-14.dwg




Wavegulde
River and Rail Crossings

sc results


| Span Length $=208.00 \mathrm{ft}$ | ${ }_{\text {Temp }}^{\text {(F) }}$ | $\underbrace{\substack{\text { Sag (t) }}}_{\text {Midspan }}$ | $\underset{\substack{\text { Tension } \\ \text { (b) }}}{\text { a }}$ | \% Length Clearance |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Span Sag St.08t ( 2 S.0. in) | -40.0 | 1.37 | 1,247 | -0.02 | NA |
| Max Load $=6.55010$ | -300 | 1.42 | ${ }^{1,204}$ | ${ }^{-0.09}$ | NA |
| Catenay Leengith $=208.055$ | -20.0 | ${ }_{1}^{1.53}$ | ${ }_{1}^{1,120}$ | ${ }_{-0.01}$ | N/ A |
| Stress Friee Lengh @ | . 0 | 1.59 | 1.079 | -0.01 | N/ |
| Istalled Temperature $=207.8$ | ${ }_{20.0}^{10.0}$ | ${ }_{1}^{1.71} 1$ | +1,039 | ${ }^{0.001}$ | N/A |
| loaded Strand | 30.0 | 1.78 | 962 | ${ }_{-0.01}$ |  |
|  | ${ }_{50.0}^{40.0}$ | ${ }_{1.92}^{1.85}$ | ${ }_{890}^{925}$ | ${ }_{0}^{-0.01}$ | N/A |
|  | $\underset{700}{60.0}$ | 200 | 856 88 88 | 0.00 0.00 | N/A |
|  | 80.0 | ${ }_{2.20}^{2.08}$ | ${ }_{792}^{828}$ | ${ }_{0}^{0.00}$ | N/A |
|  | 90.0 | ${ }_{2}^{2.25}$ | ${ }_{7}^{762}$ | 0.00 | N/ |
|  | 110.0 | 2.43 | 706 | 0.01 |  |
|  | ${ }^{120.0}$ | 2.52 | ${ }^{681}$ | 0.01 | N/ |
|  | ${ }_{140.0}^{1300}$ | ${ }_{2.70}$ | ${ }_{634}^{656}$ | ${ }_{0.02}^{0.02}$ | N/A |



NHOS
New Hampshire Optical Systems, Inc.
99 Pine
Nashua, NHO O 0603
(603-821-6467)

Date: 01/25/12
Revision \#1
Proposed
Stream Crossing

| Location: |
| :--- |
| $\begin{array}{l}\text { Buck Rod. Hanover, NH } \\ \text { Nearest. cross street. } \\ \text { Mt. Support Rd. }\end{array}$ |

Buck Rd., Hanover, NH
Nearest cross street- Mt. Support Rd.
Notes:
The height of structures shown hereon are
bosed on fiel
dieke
field measurements taken with a


 ranges trom 10 to 11 .



 The vertical listance between the top of
water and bridge decki spaporximately 13 !







