


$\mathrm{E}-103 / 22-\mathrm{T}-3 / 31$

NHOTS
New Hampshire Opical Systems, Inc.
ge Pine Hill dd
Nashua, NH O3063
$(603-811-6467)$
Proposed
River Crossing
Plaistow, NH

## Notes:

The heieiths of structures shown hereon are
bsesed on field measuruenents taken with a
 10118/11
2. $\begin{aligned} & \text { The horizontal distance betwen the nearest } \\ & \text { birige e egge and the existing overhead } \\ & \text { rines }\end{aligned}$ bridge edge and the exx:
ranges foom 155 to 16 :

The vertical distance between the top of
The waterway is classified as not suitable for
sai boating and pers $N$ SEC C Table $232-10$ serical cicearance of f14" must be maintained between the
flooodplian.






Veritial distances are erepresentative of
attachment heights after utility make ready Stachment theighte sed
$E-103 / 21-T-3 / 30$ (Existing joint owned utility pole (UNITIL/Fairpoint) in existing Right-of-Way)
$\mathrm{E}-103 / 22-\mathrm{T}-3 / 31$ (Existing joint owned utility pole (UNITIL/Fairpoint) in existing Right-of-Way) route 103 , not route 130 as the labels on the

## Project \# TID-243- Primary 18 Drawing \# AC-PLAARV-1


Proposed River Crossing

Locain 5 t., Plaistow, NH
Nearest
Norss street-
Hillsdale Ave


T






LOCUS MAP

Waveguide
River and Rail Crossings

| Span Length $=247.00 \mathrm{ft}$ <br> Span $\mathrm{Sag}=2.47 \mathrm{ft}$ (29.6 in) | ${ }_{\text {Temp }}^{\text {(F) }}$ | $\begin{gathered} \text { Midspan } \\ \text { Sag (fi) } \end{gathered}$ | $\begin{gathered} \text { Tension } \\ (\text { (1) } \end{gathered}$ | \% Length ClearanceChange |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Span Tension Max Load $=6.650$ IV | ${ }_{-30.0}$ | ${ }_{1}^{1.76}$ | ${ }_{1}^{1,368}$ | ${ }_{-0.01}^{-0.01}$ | NA |
| Usabie load (60\%) $=3,990 \mathrm{lb}$ | -20.0 | 1.82 | ${ }_{1,325}$ | -0.01 |  |
|  | -10.0 | 1.88 | 1,283 | -0.01 | NA |
|  | 0 | 1.94 | 1,242 | 0.01 | NA |
| Installed Temperaiure $=246.3$ | 10.0 | 2.01 | 1,201 | 0.01 | NA |
| Unloaded Strand <br> $\mathrm{Sag}=1.17 \mathrm{ft}(14.0 \mathrm{in}) \quad 0.47 \%$ Tension $=789 \mathrm{lb}$ | 30.0 | ${ }_{2.15}^{2.08}$ | ${ }_{1}^{1,122}$ | -0.01 | NA |
|  | 40.0 | 2.22 | 1.084 | -0.01 | NA |
|  | 50.0 | 2.30 | 1,048 | 0.00 | N/ |
|  | ${ }_{7}^{60.0}$ | 2.39 | ${ }_{1,012}^{1,072}$ | 0.00 | N/ |
|  | 80.0 | ${ }_{2}^{2.56}$ | 994 | 0.00 | NA |
|  | 90.0 | ${ }_{2} .65$ | 911 | 0.00 | NA |
|  | 100.0 | 2.74 | 881 | 0.01 | NA |
|  | 110.0 | 2.84 | 851 | 0.01 | N/ |
|  | 120.0 1300 | 2.94 | ${ }_{822}^{822}$ | 0.01 | NA |
|  | 140.0 | ${ }_{3.14}$ | 769 | 0.02 | NA |






\wgf-fs $\backslash$ cad $\backslash$ Projects $\backslash$ USNH $\backslash$ dwgs $\backslash$ Nashua $\backslash$ River-Xing $\backslash I D-310 \backslash T I D-310 . d w s$



$\backslash \backslash \mathrm{mg}-\mathrm{fs} \backslash$ Cad $\backslash$ Projects $\backslash \mathrm{USNH} \backslash \mathrm{dwgs} \backslash$ solem $\backslash$ river-xings $\backslash$ tid-318\TID-318.dwg



$\backslash$ \wgf-fs \cad\Projects \USNH \dwgs \solem \river-xings \tid-319\TiD-319.dwg



