36" GIRDERS

\[ h = 369 \text{ ft} \]
\[ r^2 = 18.05 \text{ ft}^2 \]
\[ y = 20.27 \text{ in} \]
\[ f = 50.979 \text{ ft}^2 \]
\[ S_0 = 2.027 \text{ in}^2 \]
\[ S_e = -3.222 \text{ in}^2 \]
\[ \pi = 384 \text{ ft}^{-1} \]

**PRE-TENSION**

\[ \pi = 270,000 \text{ psi} \]
\[ \pi = 0.75 \times 270,000 \cdot 202,500 \text{ psi} \]
\[ \pi \text{ per 0.6" dia. strand} = 0.217 \times 202,500 = 43.94 \text{ kips} \]
\[ \pi \text{ per 0.5" dia. strand} = 0.1531 \times 202,500 = 31.00 \text{ kips} \]

**DESIGNER NOTES**

ON THE STRAND PATTERN SHEET, PLACE A BOX AROUND EACH STRAND PATTERN THAT APPLIES TO THE DESIGNED STRUCTURE AND LABEL THE SPAN IT IS USED IN.

**BUREAU OF STRUCTURES**

APPROVED: Bill Oliva

DATE: 7-17

STANDARD 19.04