$$
\begin{aligned}
& \text { Cost of steel }=\frac{A_{s} L}{1,728 \mathrm{in}^{3} / \mathrm{ft.}^{3}}\left(490 \frac{\mathrm{lb} .}{\mathrm{ft.}^{3}}\right)\left(\frac{\$ 530}{\text { ton }}\right)\left(\frac{\text { ton }}{2,000 \mathrm{lb} .}\right) \\
& \text { Cost of cement }=\frac{b h L}{1,728 \mathrm{in}^{3} / \mathrm{ft}^{3}}\left(\frac{W_{\text {cement }}}{27 \mathrm{ft}^{3}}\right)\left(\frac{\$ 130}{\text { ton }}\right)\left(\frac{\text { ton }}{2,000 \mathrm{lb} .}\right) \\
& \text { Cost of coarse aggregate }=\frac{b h L}{1,728 \mathrm{in}^{3} / \mathrm{ft.}^{3}}\left(\frac{W_{\mathrm{cA}}}{27 \mathrm{ft}{ }^{3}}\right)\left(\frac{\$ 18}{\mathrm{ton}}\right)\left(\frac{\text { ton }}{2,000 \mathrm{lb} .}\right) \\
& \text { Cost of fine aggregate }=\frac{b h L}{1,728 \mathrm{in}^{3} / \mathrm{ft.}^{3}}\left(\frac{W_{F A}}{27 \mathrm{ft}^{3}}\right)\left(\frac{\$ 10}{\text { ton }}\right)\left(\frac{\text { ton }}{2,000 \mathrm{lb} .}\right) \\
& W=\frac{b h L}{1,728 \mathrm{in}^{3} .^{3} \mathrm{ft.} .^{3}}\left(\frac{145 \mathrm{lb} .}{\mathrm{ft.}^{3}}\right)+\frac{A_{s} L}{1,728 \mathrm{in} .^{3} / \mathrm{ft.}^{3}}\left(\frac{490 \mathrm{lb} .-145 \mathrm{lb} .}{\mathrm{ft.}^{3}}\right)
\end{aligned}
$$

