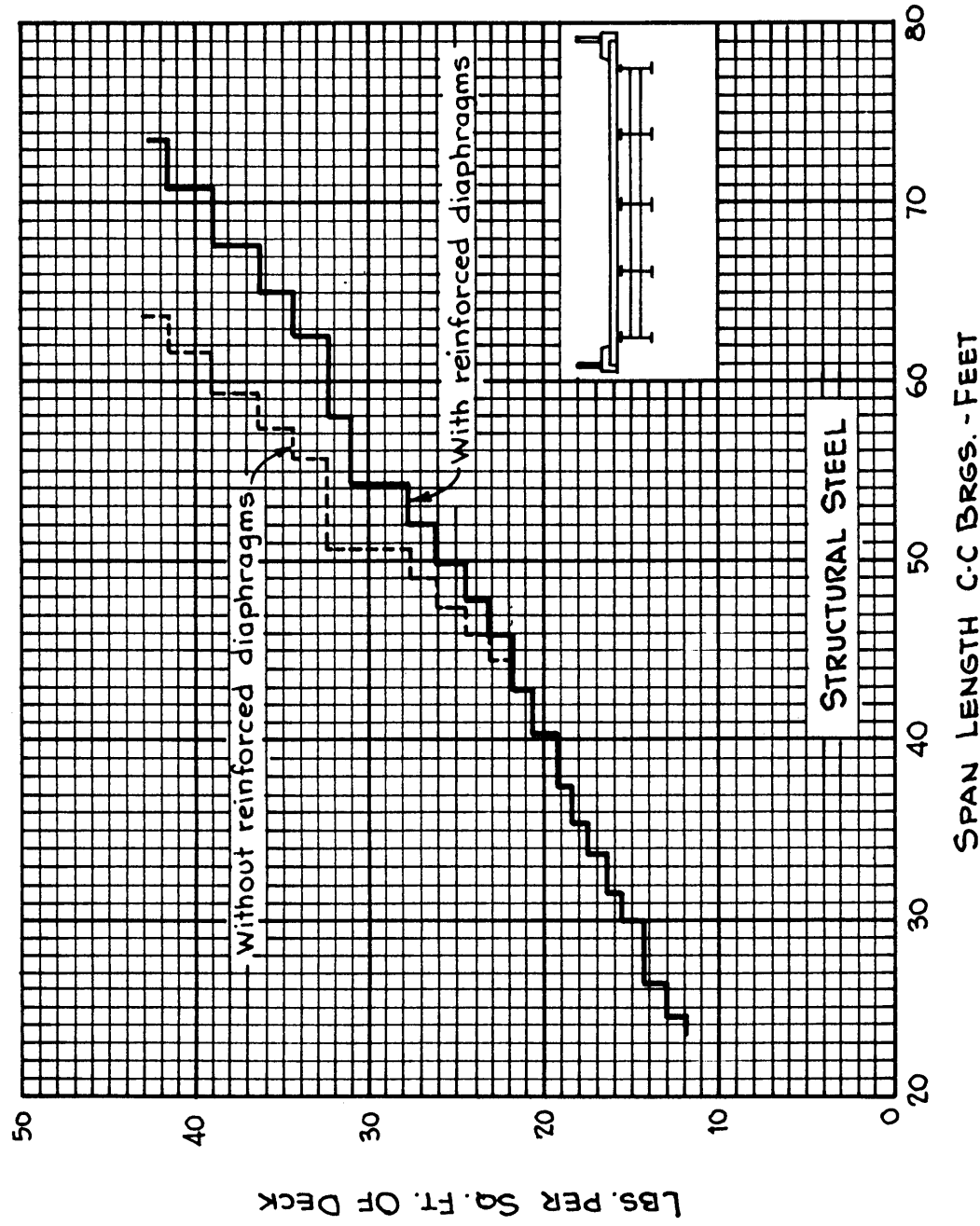


PRELIMINARY QUANTITY SURVEYS SIMPLE SPAN ROLLED BEAM SUPERSTRUCTURE



NOTES

Quantities based on 7' 6" girder spacing.

Wts. of diaphragms included.

Deck concrete = .0209 c.y. per sq. ft.

Deck reinforcing steel = 4.1 lbs. per sq. ft.

For 1' 9" x 9" curb, add 0.085 c.y. of concrete and 5.0 lbs. of reinforcement per lineal foot of curb.

For 2' 4" high concrete railing, add 4.6 lbs. of reinforcement per lineal ft. of railing.

For 3' 0" high concrete railing, add 6.6 lbs. of reinforcement per lineal foot of railing.

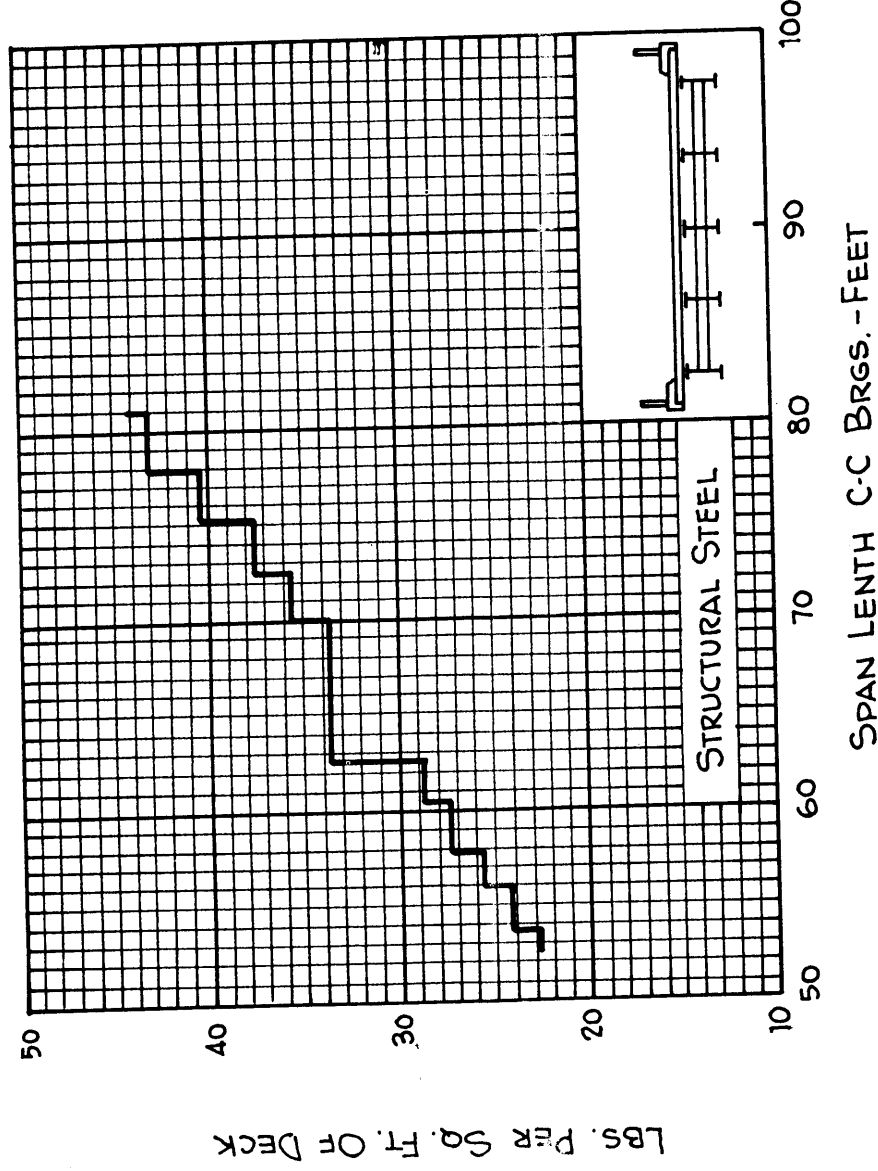
Loading: H20-S16-44.

Structural steel: $f = 18,000$ psi.

Reinforcing steel: $f_s = 20,000$ psi.

Concrete: $f_c = 1,000$ psi.

BRIDGE DESIGN PRACTICE
PRELIMINARY QUANTITY SURVEYS
SIMPLE SPAN COMPOSITE GIRDER SUPERSTRUCTURE
36" WF SERIES

**NOTES**

Loading: H20-S16-44.

Structural steel: $f = 18,000$ psi.

Reinforcing steel: $f_s = 20,000$ psi.

Concrete: $f_c = 1,000$ psi.

Quantities based on 7' 6" girder spacing.

Wts. of diaphragms and shear connectors included.

Deck concrete = .0209 c.y. per sq. ft.

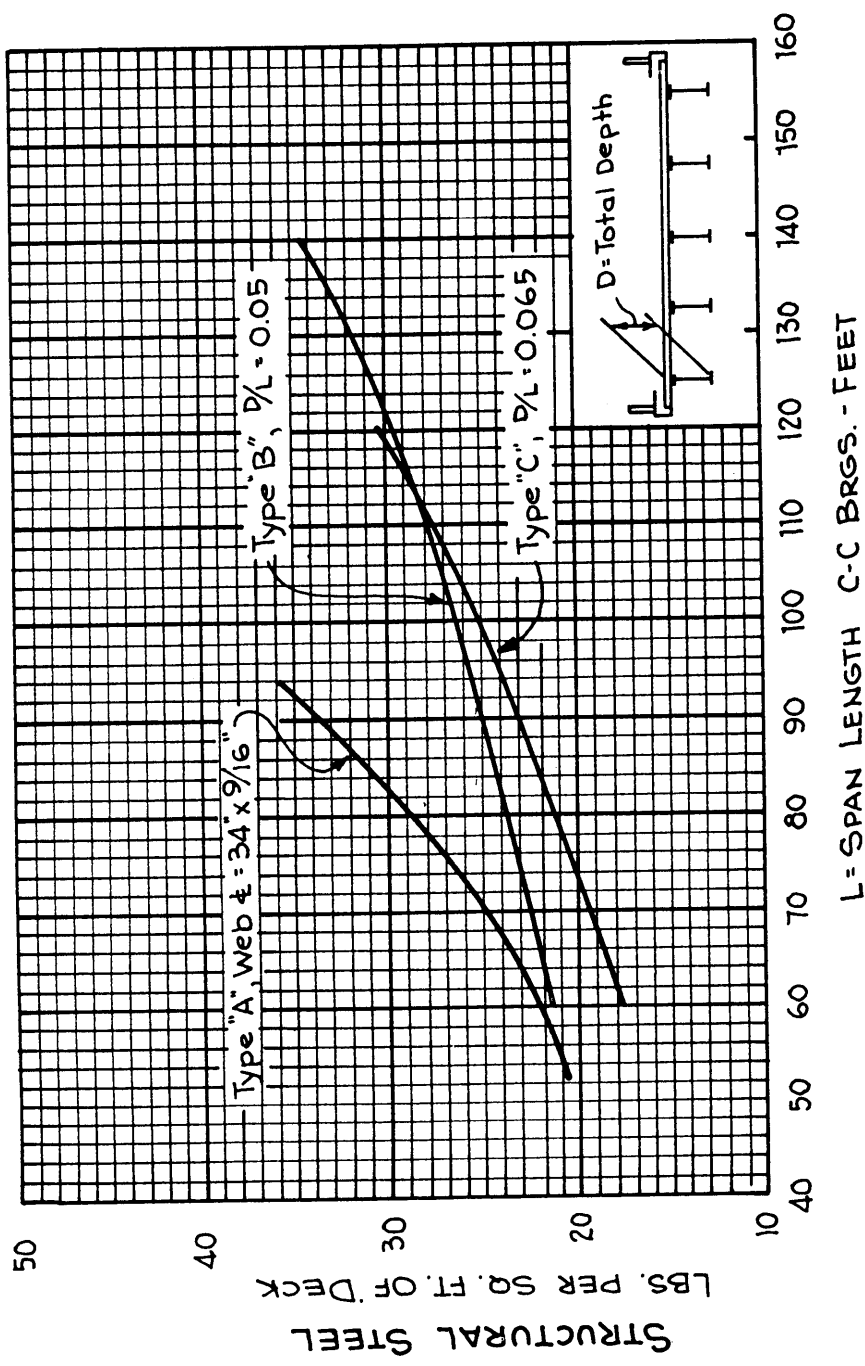
Deck reinforcing steel = 4.1 lbs. per sq. ft.

For 1' 9" x 9" curb, add 0.085 c.y. of concrete and 5.0 lbs. of reinforcement per lineal foot of curb.

For 2' 4" high concrete railing, add 4.6 lbs. of reinforcement per lineal ft. of railing.

For 3' 0" high concrete railing, add 6.6 lbs. of reinforcement per lineal foot of railing.

PRELIMINARY QUANTITY SURVEYS
SIMPLE SPAN COMPOSITE GIRDER SUPERSTRUCTURE
WELDED GIRDERS

**NOTES**

- Type "A" does not have web stiffeners.
 Types "B" and "C" have web stiffeners.
 Quantities based on 7' 6" girder spacing.
 Wts. of diaphragms, stiffeners and shear connectors included.
 Deck concrete = .0209 c.y. per sq. ft.
 Deck reinforcing steel = 4.1 lbs. per sq. ft.
 For 1' 9" x 9" curb, add 0.085 c.y. of concrete and 5.0 lbs. of reinforcement per lineal foot of curb.
 For 2' 4" high concrete railing, add 4.6 lbs. of reinforcement per lineal foot of railing.
 For 3' 0" high concrete railing, add 6.6 lbs. of reinforcement per lineal foot of railing.
- Loading: H20-S16-44.
 Structural steel: $f = 18,000$ psi.
 Reinforcing steel: $f_s = 20,000$ psi.
 Concrete: $f_c = 1,000$ psi.