



Bars K

Bars d'

30°

1'-0"

Bars

BENDING DIAGRAM

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STEEL SCHEDULE FOR 30'-0" CULVERT

GENERAL NOTES & DESIGN DATA

General Specifications:- La. State Highway Dept. Spec.
Concrete - All class A - 1:2:4 mix.
Steel - All $\frac{1}{2}$ " bars, deformed.
All exposed corners to be chamfered $\frac{3}{4}$ in.
All exposed surfaces to be given a smooth finish.
Design Loads:
Concentrated load - 15 ton typical truck, with 30% impact allow.
Steel in tension 16000 lbs. Concrete in Compression 650 lbs.
Fill above slab of culvert is not to exceed the maximum
height "X" as given in table.
For multiple opening use same dimensions and steel, making
intermediate walls 6" thick.
All dimensions referring to bars are to centers of bars.
Reinforcing bars should be wired at intersections and
properly secured against displacement during depositing of concrete.

- SHALLOW CONCRETE BOX CULVERTS
FLARING WING WALLS
2 FT TO 5 FT SPANS

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA.

July 1929