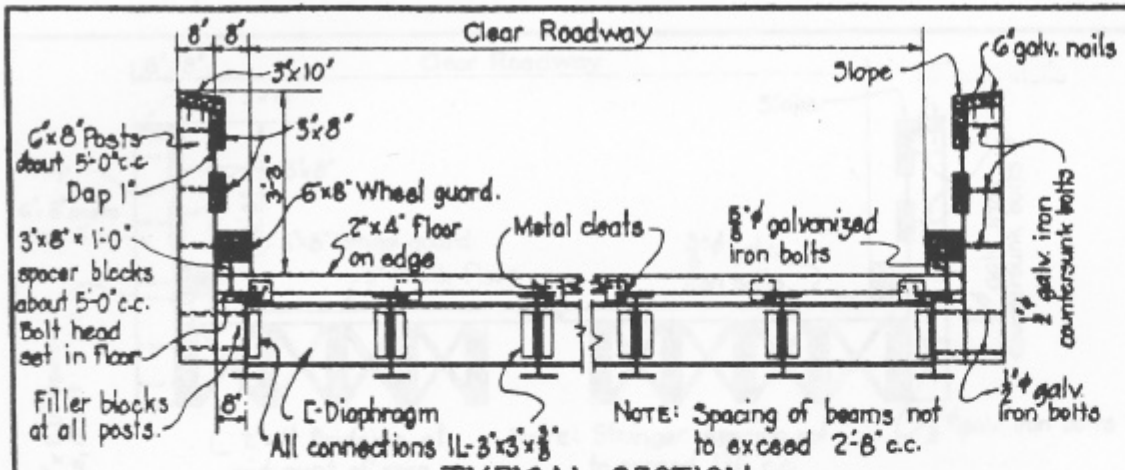


TYPICAL SECTION

BEAM & DIAPHRAGM DATA

| Clear Span | Size of Beams | No. of Diaphragms | Size of Diaphragms |
|---|---|---|---|
| 10' to 14' | 12" I @ 25# | 1 | 8" C @ 18.75# |
| 15' to 19' | 14" I @ 30# | 1 | 10" C @ 20# |
| 20' to 24' | 14" I @ 34# | 1 | 12" C @ 25# |
| 25' to 29' | 16" I @ 36# | 1 | 12" C @ 25# |
| 30' to 34' | 18" I @ 47# | 2 | 15" C @ 33.9# |
| 35' to 39' | 18" I @ 47# | 2 | 15" C @ 33.9# |
| 40' to 44' | 21" I @ 59# | 2 | 18" C @ 42.7# |
| 45' to 49' | 21" I @ 59# | 2 | 18" C @ 42.7# |
| 50' to 54' | 24" I @ 74# | 3 | 18" C @ 42.7# |
| 55' to 59' | 27" I @ 91# | 3 | 18" C @ 42.7# |

GENERAL NOTES

SPECIFICATIONS: Latest S.R.C. Specifications. and A.A.S.H.O. Standard Specifications, except that $f_s$=18,000#/□"

LOADING: One lane, H15. (single LL. & Impact)

RIVETS: 3/4"ϕ

OPEN HOLES: 13/16"ϕ, except those required for bolts.

BOLT HOLES: All bolt holes in timber to be bored with an auger 1/16" smaller than bolt diameter.

BOLTS, NAILS, ETC.: All bolts, nails, spikes, washers, cleats, etc. to be of galvanized iron

STRUCTURAL STEEL: Open hearth, structural grade.

NAILS: Use 20d nails to fasten metal cleats to flooring and also to fasten adjacent strips of flooring together. Where not specified, nails shall be of proper size & quantity for the connection.

PAINT:- Structural steel to be given one shop coat & two field coats in accordance with S.R.C. Specifications. All timber used in handrail to be painted with three coats of Standard S.R.C. paint.

Provide suitable anchor bolts & bearing plates for type of bridge seat contemplated. Provide for expansion at one end of each span.

APPROVED: [signature], Chief Engineer

DATE: July 6 - 1933

STATE OF MARYLAND
STATE ROADS COMMISSION

STANDARD STEEL BEAM BRIDGES FOR SECONDARY ROADS

Office of Bridge Engineer
June, 1933

SBB-H5-33