

SOUTHERN RAILWAY SYSTEM

APPLICATION FOR WIRE CROSSING

ELECTRIC LIGHT, POWER SUPPLY AND TROLLEY LINES

To the Superintendent of Somerset Division:The undersigned hereby makes application to cross the right of way of the SOUTHERN Rail Road

Company with a line of wires, as described below, forming a part of the applicant's line extending from HATTIMAN to CARDIFF, and hereby agrees to construct, install, maintain and renew said crossing in strict accord with the applicable requirements of the latest issue of REPORTS OF JOINT ENGINEERING COMMITTEE OF ASSOCIATION OF AMERICAN RAILROADS AND EDISON ELECTRIC INSTITUTE ON CROSSINGS OF ELECTRICAL SUPPLY LINES AND FACILITIES OF STEAM AND ELECTRIFIED RAILROADS, regardless of anything in the following descriptions which may be in conflict with such specifications, and further agrees, before attempting to effect the same, to execute, promptly upon submission, a contract, in form required by the Railway Company to cover said crossing.

DESCRIPTION OF PROPOSED CROSSING

Proposed crossing to be located 1470 ft. ^{ N or E }_{ S or W } of M. P. 262between HATTIMAN, TENN. and Rockwood, TENN. and will be ^{ overgrade. }_{ undergrade. }Angle between center line of main track and supply line crossing span to be 66° degrees.The line will approach the crossing from ^{ N or E }_{ S or W } sides in a generally North West direction at North 42° West degrees.Number of tracks to be crossed 1 Number of pole lines to be crossed 1Number of poles on right of way of Railway Company None Number of guys or anchors NoneDistance from crossing poles or towers to center line of nearest main track N or X 65 ft.
S or X 60 ft.Distance from crossing poles or towers to center line of nearest side track N or E ft.
S or W ft.If proposed line will parallel the Railway right of way on either side of crossing, state approximate length of parallel: ft. and separation between proposed line and Railway communication lines: ft.Type of Supports ^{ Poles. }_{ Towers. } Poles have ^{ Double }_{ Single } crossarms or vertical construction employing ^{ Clevises }_{ Racks }If wood poles are used, give kind of timber Southern Pine Length of pole 1-55' ft.Circumference at top 45' - 17" MIN. in, Circumference six feet from butt 45' - 30.5" in.Depth of pole to be set in ground 45' - 6 1/2' ft. Show on drawing location of all guys and anchors.A. C. Voltage 7200 No. phases 1 Operation ^{ Delta }_{ Star }

Configuration to be shown on drawing

[illegible]

Depth below base of rail.....ft. Size and character of duct.....

Number of ducts.....ft. Type of protection for ducts.....

Applicant to give full description of material to be used and method of installation.

Incorporated under the laws of the State of.....

Location of principal office..... State of.....

If not incorporated, give names and addresses of principal owners:

(Town) (State) Signed _____

Application Approved: _____, 19____ Title _____

Superintendent
Superintendent Communications

Chief Engineer M. W. & S. Signal and Electrical Superintendent

SOUTHERN RAILWAY SYSTEM

APPLICATION FOR WIRE CROSSING

ELECTRIC LIGHT, POWER SUPPLY AND TROLLEY LINES

To the Superintendent of Somerset Division:

The undersigned hereby makes application to cross the right of way of the Southern Rail Road Company with a line of wires, as described below, forming a part of the applicant's line extending from HATTIMAN to CALDIFF, and hereby agrees to construct, install, maintain and renew said crossing in strict accord with the applicable requirements of the latest issue of REPORTS OF JOINT ENGINEERING COMMITTEE OF ASSOCIATION OF AMERICAN RAILROADS AND EDISON ELECTRIC INSTITUTE ON CROSSINGS OF ELECTRICAL SUPPLY LINES AND FACILITIES OF STEAM AND ELECTRIFIED RAILROADS, regardless of anything in the following descriptions which may be in conflict with such specifications, and further agrees, before attempting to effect the same, to execute, promptly upon submission, a contract, in form required by the Railway Company to cover said crossing.

DESCRIPTION OF PROPOSED CROSSING

Proposed crossing to be located 10 ft. ^{ N or E }_{ S or W } of M. P. 263
 between Harriman and Rockwood and will be ^{ overgrade. }_{ undergrade. }

Angle between center line of main track and supply line crossing span to be 80° degrees.

The line will approach the crossing from ^{ N or E }_{ S or W } sides in a generally Northern direction at North 3 West degrees.

Number of tracks to be crossed 1 Number of pole lines to be crossed 1

Number of poles on right of way of Railway Company None Number of guys or anchors None

Distance from crossing poles or towers to center line of nearest main track N or E 52 ft.

S or W 148 ft.

Distance from crossing poles or towers to center line of nearest side track N or E _____ ft.

S or W _____ ft.

If proposed line will parallel the Railway right of way on either side of crossing, state approximate length of parallel: _____ ft. and separation between proposed line and Railway communication lines: _____ ft.

Type of Supports ^{ Poles. }_{ Towers. } Poles have ^{ Double }_{ Single } crossarms or vertical construction employing ^{ Clevises }_{ Racks }

If wood poles are used, give kind of timber Southern Pine Length of pole 1-45 ft.

Circumference at top 40 = 17" MIN in. Circumference six feet from butt 45 = 29" in.

Depth of pole to be set in ground 45 = 6 1/2 ft. Show on drawing location of all guys and anchors.

A. C. Voltage 7200 No. phases 1 Operation ^{ Delta }_{ Star } Star

Configuration to be shown on drawing

Cycles 60 No. wires 2 Is neutral ground employed in supply line? yes

D. C. Voltage..... Amperes..... No. wires..... Configuration to be shown on drawing.

	
<u>Stranded</u>	<u>Bare</u>
STRANDED	INSULATED

STRAINED

Insulators, Material Porcelain Type $\left\{ \begin{array}{l} \text{Pin-type} \\ \text{Rigid Dead-end} \\ \text{Suspension} \end{array} \right\}$ Voltage Rating 15 Kv.

Height of lowest wire above top of rail 32 ~~33~~ ft. Height of lowest crossarm of wire support above ground 33 ft.

Minimum vertical separation between nearest crossing wire and Railway communication wires.....17'.....ft.

Railway signal wires.....ft.

Length of crossing span.....200.....ft.

Length of spans adjacent to crossing span N. or E. 375 ft. S. or W. 190 ft.

Maximum sag in crossing span.....14 ft. at 60 degrees Far.

Maximum stress in each gauge of wire: 64 gauge 20 lbs. gauge.....

lbs. gauge lbs. under applicable loading conditions.

Applicant will attach drawing showing layout of proposed crossing and details of construction.

Depth below base of rail.....ft. Size and character of duct.....

Number of ducts.....ft. Type of protection for ducts.....
Applicant to give full description of material to be used and method of installation.

Name of applicant seeking crossing.....

Incorporated under the laws of the State of.....

Location of principal office..... State of.....

If not incorporated, give names and addresses of principal owners:

(Town) (State) Signed _____

Application Approved: _____, 19____ Title _____

Superintendent
Superintendent Communications

Chief Engineer M. W. & S. Signal and Electrical Superintendent