

September 28, 1961

Southern Railway System
Office of the Superintendent
Knoxville, Tennessee

Attention: Mr. Terence O'Brien

Subject: Application for Power Line

Dear Mr. O'Brien

The City of Harriman, Tennessee, acting by and through the Harriman Utility Board, hereby makes application for a permit to install a three phase power line across the right-of-way of your Harriman - Knoxville branch.

This line is being installed to serve the new National Guard Armory under construction. We shall appreciate your earliest attention of this permit.

Very truly yours,

HARRIMAN UTILITY BOARD

By: _____
S. D. Kelly, Assistant Manager

SDK:chw

4-7200
3
1632

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 HARRIMAN to OLIVER SPRINGS AREA, 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 540 ft. N or E S or W of M. P. 48

between HARRIMAN and OLIVER SPRINGS and will be overgrade. undergrade.

Angle between center line of main track and supply line crossing span to be 90° degrees.

The line will approach the crossing from N or E S or W sides in a generally EAST direction at _____ 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 42' ft. S or W 81' 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' pole ft. 1-50' pole ft.

Circumference at top 45-17" MIN in. Circumference six feet from butt 45-30.5" in. 50-36" in.

Depth of pole to be set in ground 45-6 1/2' ft. 50-7' ft. Show on drawing location of all guys and anchors.

A. C. Voltage 13200 No. phases 3 Operation Delta Star

Configuration to be shown on drawing

(2)

Cycles 60 No. wires 4 Is neutral ground employed in supply line? yes

Will voltage be increased later? NO If so, to what voltage.....

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

Size of wire #6A gauge { AWG } Material of wire Copper & Steel { Hard } drawn. { Soft }
{ Solid } { Bare }
{ Stranded } { Insulated }

Insulators, Material Porcelain Type { Pin-type } Voltage Rating 15KV
{ Rigid Dead-end }
{ Suspension }

Height of lowest wire above top of rail 39 ft. Height of lowest crossarm of wire support above ground 35.5 ft.

Minimum vertical separation between nearest crossing wire and Railway communication wires 15 ft.

Railway signal wires.....ft.

Length of crossing span 123 ft.

Length of spans adjacent to crossing span N. or E. 300 ft. S. or W. 300 ft.

Maximum sag in crossing span 1 ft. at 60 degrees Far.

Maximum stress in each gauge of wire: #6A gauge 1050 lbs. gauge.....

lbs..... gauge..... lbs. under applicable loading conditions.

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

UNDERGRADE CROSSING

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 Harriman Utility Board

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

Location of principal office Harriman State of Tenn

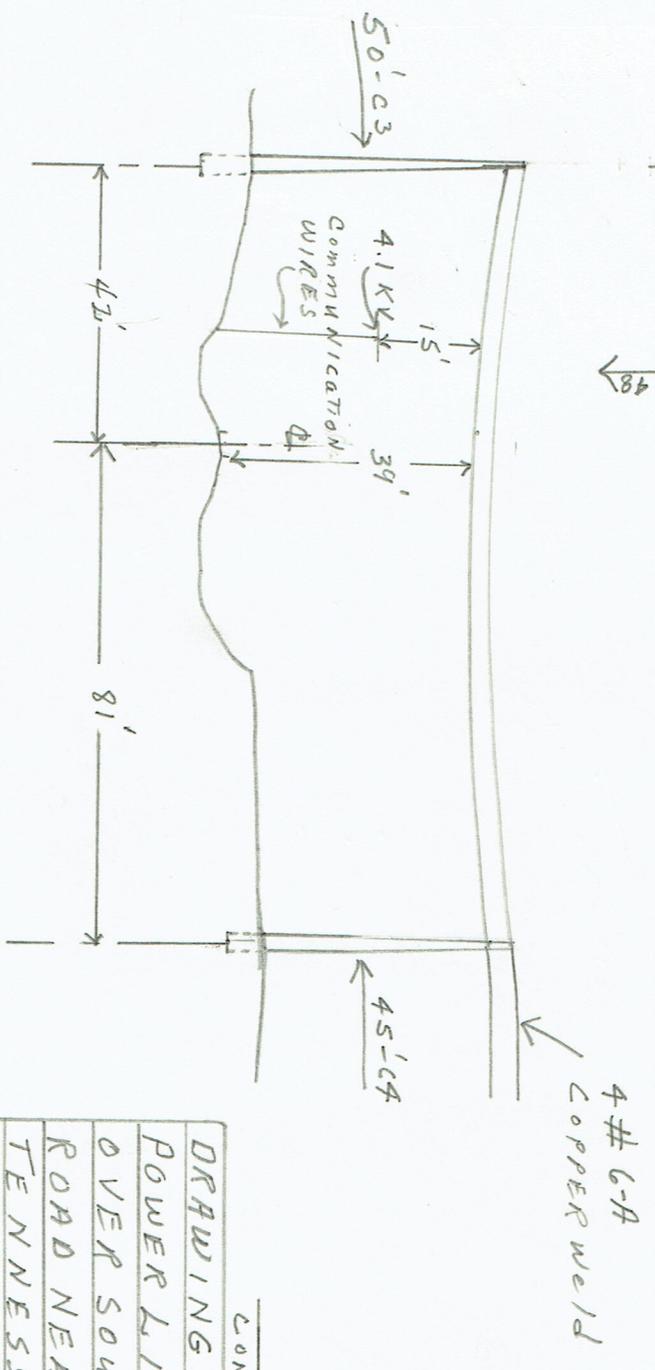
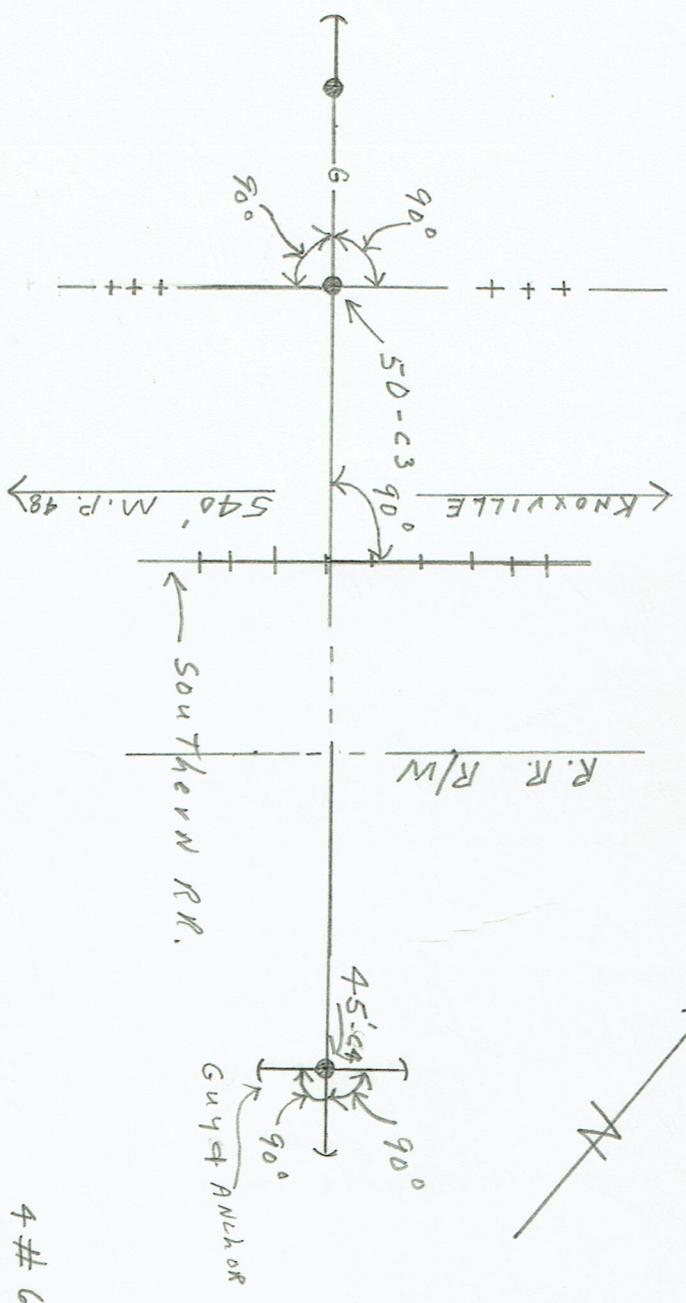
If not incorporated, give names and addresses of principal owners: owned by the City of Harriman Tennessee

Harriman Tenn Signed.....
(Town) (State)

Application Approved: , 19..... Title

..... Superintendent Superintendent Communications

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



CONFIGURATION



DRAWING OF 13.2 K.V
 POWER LINE CROSSING
 OVER SOUTHERN RAIL-
 ROAD NEAR HARRIMAN,
 TENNESSEE SCALE 1"=30'
 DATE SEPT 27 1961