Southern Railway System

Operating Department
Office of Superintendent

E. B. BURWELL,
SUPERINTENDENT

Knoxville, Tennessee
June 17, 1968

File IH-65

Mr. Jack Howard, Asst. Manager
Utility Board - City of Harriman
Harriman, Tennessee

Dear Mr. Howard:

Enclosed is proposed agreement concerning installation of overhead wire crossing located 695 ft. north of our Mile Post 49-D by Harriman Utility Board, near Harriman, Tennessee.

Will you please have both copies of this agreement executed by the Chairman, and return both to me for similar handling upon our behalf, after which we will return one copy to you for record and file.

Please do not date the instrument.

Let us know three or four days prior to installation so we can have representative present. Do you know about when installation might be made.

Yours truly,

E B Burwell
Superintendent

Form 1266

SOUTHERN RAILWAY SYSTEM

APPLICATION FOR WIRE CROSSING

ELECTRIC LIGHT, POWER SUPPLY AND TROLLEY LINES

To the Superintendent of Knoxville Division:

The undersigned hereby makes application to cross the right of way of the Southern Railroad Company with a line of wires, as described below, forming a part of the applicant's line extending from Harriman to Knoxville, 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 695 ft. ~~N~~ ~~E~~ ~~S~~ ~~W~~ of M. P. 49

between Harriman and Knoxville and will be overgrade. ~~undergrade~~.

Angle between center line of main track and supply line crossing span to be 93° degrees.

The line will approach the crossing from ~~N~~ ~~E~~ ~~S~~ ~~W~~ sides in a generally North-Easterly direction at N. 66E 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 ——— Number of guys or anchors ———

Distance from crossing poles or towers to center line of nearest main track N or E 78 ft.

~~S~~ or W 51 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 conductors employing~~ Clevises ~~Racks~~

If wood poles are used, give kind of timber So. Pine Length of pole 1-60 1-65 65-44.5 ft.

Circumference at top 23 in. Circumference six feet from butt 60-43 65-8.5' in.

Depth of pole to be set in ground 60-8' ft. Show on drawing location of all guys and anchors.

A. C. Voltage 15Kv No. phases 3 Operation ~~Delta~~ Star

Configuration to be shown on drawing

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 1/0 gauge {AWG / ~~BWG~~} alu Material of wire ACSR {Hard / Soft} drawn.

{~~Solid~~ / Stranded} {Bare / ~~Insulated~~}

Insulators, Material Porcelain Type {~~Pin type~~ / ~~Rigid Dead end~~ / Suspension} Voltage Rating 15 Kv

Height of lowest wire above top of rail 52 ft. Height of lowest crossarm of wire support above ground

ft.

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

Railway signal wires 37 ft.

Length of crossing span 129 ft.

Length of spans adjacent to crossing span N. or E. 300 ft. S. or W. 285 ft.

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

Maximum stress in each gauge of wire: 4280 gauge 1/0 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 Tennessee

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

City of Harriman, Tennessee

(Town) (State) Signed

, 19 Title Asst Manager

Application Approved:

Superintendent Superintendent Communications

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

Southern Railway System

Signal & Electrical Department
99 Spring Street, S. W.
Atlanta, Georgia 30303
Telephone (404) 688-0800

JOHN T. MATTISON,
ASSISTANT TO VICE-PRESIDENT

S. A. MEANS,
SUPERINTENDENT

December 30, 1968

013-072

Harriman Utility Board
Roane Street
Harriman, Tennessee

Gentlemen:

Attached are two copies of the contract for electrical power for the new Trainmen's Dormitory at Oakdale, Tennessee.

Construction on this building is moving very well and we would like to have the 120/208 volt service by April 1st as is indicated on the contract. Service drop will be to the "U" section of the building facing the bridge.

Please have the contract executed and return one copy to us.

Very truly yours,

R. Harp
Electrical Engineer

RH:jc

Enclosures