

Southern Railway System

*Operating Department
Office of Superintendent
P.O. Box 1791
Knoxville, Tennessee 37901*

PAUL R. RUDDER
SUPERINTENDENT

November 7, 1975

TELEPHONE
(615) 522-7225

File LH-65

Mr. Richard A. Hall, Engineer
Harriman Utility Board
P. O. Box 434
Harriman, Tennessee 37748

Dear Mr. Hall:

Enclosed herewith for your information and record is fully executed counterpart of agreement dated October 31, 1975 between Southern and the City of Harriman for an overhead wire line crossing 1,150 feet southwest of Mile Post 48-D, near DeArmond, Tennessee.

Yours truly,

PR Rudder
Superintendent

Enc.

IT IS AGREED between **SOUTHERN RAILWAY COMPANY, a Virginia corporation,**

hereinafter styled Company; and **CITY OF HARRIMAN, Tennessee, a municipal corporation of Tennessee, acting herein by and through the Harriman Utility Board,**

hereinafter styled Licensee:

1. COMPANY grants unto Licensee, insofar as its title enables it so to do, the license, as a personal privilege and not transferable without the written consent of Company, to construct and maintain **an overhead wire line** upon the right of way or property (hereinafter called property) of Company, **near DeARMOND, Tennessee**; the aforementioned installation, hereinafter called "Facility", being that identified and located substantially as shown in **red** color on annexed print of Drawing No. 39-S, dated August 20, 1975, (furnished by Licensee).

Licensee will pay the sum of **\$50.00** as a consideration for the license hereby granted. Licensee further agrees to pay unto Company for said privilege a rent of **NONE** DOLLARS (\$ **-0-**) per annum, payable in advance. Licensee further agrees to reimburse Company, upon bill rendered, for any and all expenses which may be incurred by Company, resulting from or in connection with any such special engineering studies, field supervision or flagging protection as Company may find necessary to perform in connection with the installation or maintenance of said Facility.

2. Licensee will construct and maintain Facility, at its expense, in such manner as will not interfere with operations of Company or endanger persons or property of Company, and in accordance with (a) plans and specifications (if any) shown on said print and any other specifications reasonably prescribed by Company, (b) applicable regulations prescribed by statute or by Governmental authority, and (c) applicable specifications adopted by the Association of American Railroads when not in conflict with plans, specifications or regulations mentioned in (a) and (b) above. Licensee will, at its expense, make such changes in location, grade or construction of Facility, as may be, at any time, required by Company.

3. If Facility endangers or interferes with operations of Company, or if Licensee is in default hereunder and does not remedy such default or condition after notice by Company so to do, this license may be revoked by Company and Licensee shall, at its expense, upon written notice by Company, and in any event upon termination of this agreement by either party as hereinafter provided, remove Facility from Company's property and restore said property to its condition existing prior to construction of Facility. If Licensee fails to remove Facility, Company may do so at Licensee's expense. If an emergency arises which in Company's judgment requires immediate repairs to Facility, Licensee will, upon request, do the necessary work, or, failing so to do, Company may make such repairs at Licensee's expense.

4. Said Facility shall be constructed and maintained at the sole risk of Licensee and Licensee agrees, without regard to negligence on the part of Company or any other corporation controlling, controlled by or under common control with Company, to save Company or any other corporation controlling, controlled by or under common control with Company wholly harmless from and against all claims, damages, expenses and liability (whether or not such liability has been judicially determined) for loss of life, personal injury or damage to property, resulting from or in any manner attributable to the construction, maintenance, use, operation or presence of the Facility, or to the presence of the equipment or employees of Licensee, on Company's property.

5. This agreement shall take effect as of the 31st day of **October**, 19**75**, and may be terminated by either party hereto at any time by **60** days' written notice to the other of such termination.

EXECUTED in **duplicate**, each part being an original, as of **October 31, 1975**.

SOUTHERN RAILWAY COMPANY,
By

**CITY OF HARRIMAN, Tennessee, acting herein
by and through the Harriman Utility Board,**
By

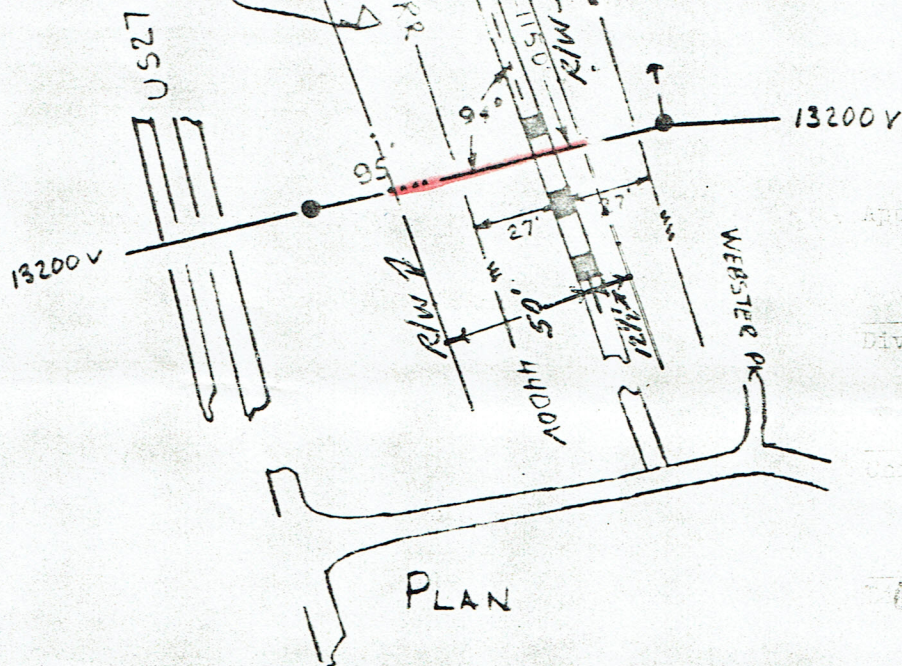
W.D. McLean
Vice President.

O.O. Jefferson
Chairman.

TVA SURVEY
MARKER D-195
1950

TO KNOXVILLE

MP 48



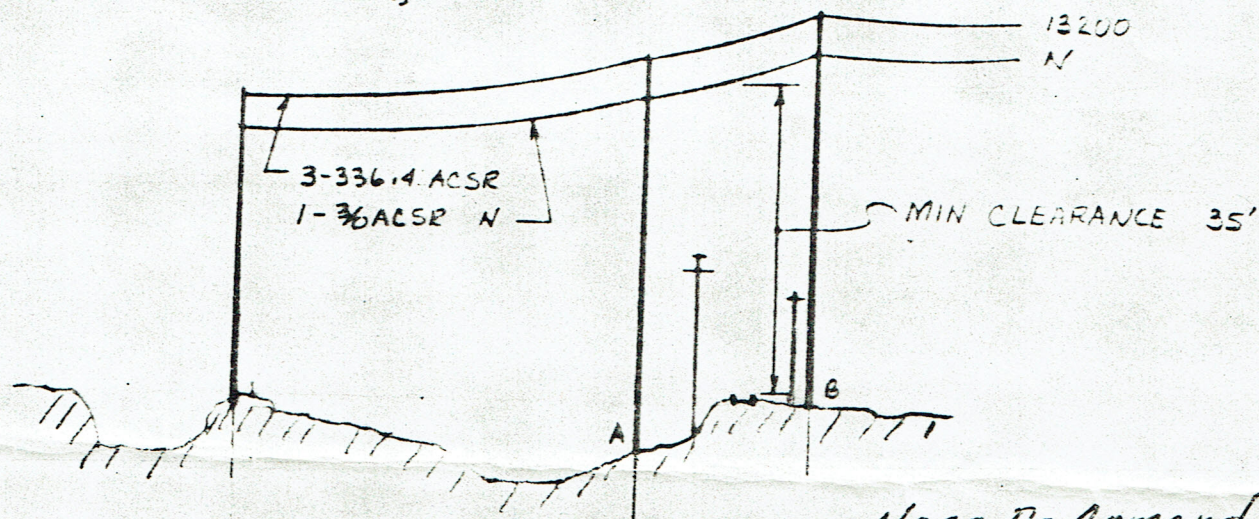
Application Approved:

Div. Superintendent

R. A. Kelso mm.

J. E. Rupp

PLAN



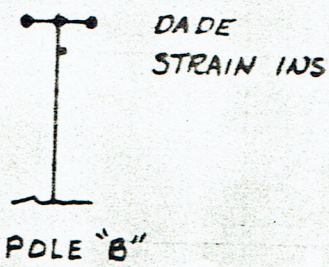
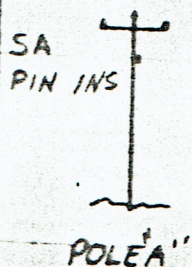
PROFILE

Near De Armond, Tenn.

V-60a

7

120-3-4970



HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

CROSSING PLAN & PROFILE
SOUTHERN RAILWAY SYSTEM
APPROX 1150' S.E. OF MP 48
HARRIMAN TO KNOXVILLE LINE
ROANE COUNTY, TENN.

RHALL

DATE: 8-20-75 DWG. NO. 39-5

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 Rail. way.....
 Company with a line of wires, as described below, forming a part of the applicant's line extending from..... U S 27
 to..... Webster Pike, 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 ENGINEER-
 ING COMMITTEE OF ASSOCIATION OF AMERICAN RAILROADS AND EDISON ELECTRIC INSTITUTE
 ON CROSSINGS OF ELECTRICAL SUPPLY LINES AND FACILITIES OF STEAM AND ELECTRIFIED RAIL-
 ROADS, 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 re-
 quired by the Railway Company to cover said crossing.

DESCRIPTION OF PROPOSED CROSSING

Proposed crossing to be located..... 1150 ft. { ~~XXX~~ E } of M. P. 48
 { ~~S~~ ~~XXX~~ }
 between..... Harriman and..... Knoxville and will be { overgrade.
 { undergrade.
 Angle between center line of main track and supply line crossing span to be..... 94 degrees.
 The line will approach the crossing from { N ~~XXX~~ } sides in a generally..... direction
 { S ~~XXX~~ }
 at..... S 50° East degrees.
 Number of tracks to be crossed..... 1 Number of pole lines to be crossed..... 2
 Number of poles on right of way of Railway Company..... 0 Number of guys or anchors..... 0
 Distance from crossing poles or towers to center line of nearest main track N ~~XXX~~ 50 W 57.5 ft.
 S ~~XXX~~ 50 W 32.5 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. Poles 1 { Double } crossarms ~~xxxxxx~~ construction employing { Clevises }
 { Towers } { ~~1~~ } { Single } { Racks }
 If wood poles are used, give kind of timber..... Southern Pine Length of pole..... 50 ft.
 Circumference at top..... 23 in. Circumference six feet from butt..... 40 in.
 Depth of pole to be set in ground..... 7 ft. Show on drawing location of all guys and anchors.
 A. C. Voltage..... 13,200 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 336.4 gauge { AWG } Material of wire ACSR { Hard } drawn. { Soft }
{ XXXX } { Bare }
{ Stranded } { Insulated }

Insulators, Material Porcelain Type 3 { 3 Pin-type
Rigid Dead-end
Suspension } Voltage Rating 15,000

Height of lowest wire above top of rail minimum 35ft. Height of lowest crossarm of wire support above ground 43 ft.

Minimum vertical separation between nearest crossing wire and Railway communication wires 24 ft.

Railway signal wires 16 ft.

Length of crossing span 95 ft.

Length of spans adjacent to crossing span N. or E. 100 ft. S. or W. 118 ft.

Maximum sag in crossing span 0.75 ft. at 60 degrees Far.

Maximum stress in each gauge of wire: 336.4 gauge 2947 lbs. 3/0 gauge 2260

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 Roane Street, Harriman State of Tennessee

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

(Town) (State) Signed

Application Approved: 19 Title

Superintendent Superintendent Communications

Chief Engineer M. Signal and Electrical Superintendent