

Southern Railway System

RED CAP
NEAR ARMORY

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

PAUL R. RUDDER
SUPERINTENDENT

TELEPHONE
(615) 522-7225

September 21, 1976

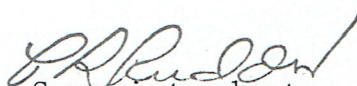
File LH-65

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 September 13, 1976, effective same date, between Southern and City of Harriman, Tennessee, acting by and through the Harriman Utility Board, concerning construction and maintenance of an aerial wire line crossing located 415 feet north of Mile post 47-P, near DeArmond, Tennessee.

Yours truly,


Superintendent

Enc.

Southern Railway System

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

PAUL R. RUDDER
SUPERINTENDENT

TELEPHONE
(615) 522-7225

August 9, 1976

File LH-65

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

Dear Mr. Hall:


In connection with your application for aerial wire line crossing 415 feet north of Milepost 47 near DeArmond, Tennessee, I enclose draft of proposed agreement between Southern and City of Harriman, Tennessee, acting by and through the Harriman Utility Board.

If satisfactory, please have the agreement executed, in duplicate, by the Chairman and return both copies to me with the City's check in the amount of \$50.00 and certified copy of resolution authorizing the Chairman to sign. We will then have the instrument executed on behalf of Southern and furnish you counterpart for your records.

Please do not have the agreement dated, as that will be done when signed by Southern.

As requested in your July 13 letter, attached are copies of Southern Railway clearance requirements for wire line crossings.

Yours truly,



Superintendent

Enc.

May 17, 1976

Mr. Paul R. Rudder, Superintendent
Southern Railway System
P. O. Box 1791
Knoxville, Tennessee 37901

Dear Mr. Rudder:

The City of Harriman, Tennessee acting by and through the Harriman Utility Board, request the approval of our application for crossing over your Harriman to Knoxville track approximately 415 feet N E of Milepost 47.

We submit the following data covering this application.

- | | |
|------------------------------------|----------------------------|
| 1) Location | See above |
| 2) Type Utility | Electric |
| 3) Type of Wire | (1/0 ACSR N
(3/0 ACSR |
| 4) Maximum Voltage | 15 KV |
| 5) Three (3) Prints | |
| 6) Harriman Utility Board Members: | |
| | Olin Williams |
| | Bill Newcomb |
| | Allan Watson |
| | Bob Moody |
| | Ed Browder |

Very truly yours,

Richard A. Hall
ENGINEER

RAH:el

Enclosures: 1 Application
3 Prints

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 Railway
 Company with a line of wires, as described below, forming a part of the applicant's line extending from
 to Hickman Sub-division, 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 415 ft. ~~N 88° E~~ N 88° W of M. P. 47
 between Harriman and Knoxville and will be ~~overgrade.~~
 Angle between center line of main track and supply line crossing span to be 90 degrees.
 The line will approach the crossing from ~~N 88° E~~ N 88° W sides in a generally 523 W direction
 at 523 W 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 or E~~ 523 40 ft.
 S or W _____ 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~~ crossarms or vertical construction employing { Clevises {
 If wood poles are used, give kind of timber Southern Pine Length of pole 1-50-3; 1-55-3 ft.
 Circumference at top 23 in. Circumference six feet from butt 40" ; 41.5" 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 {
 Configuration to be shown on drawing ~~X 88° E~~

(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..... 3/0 gauge { AWG } Material of wire..... ACSR { Hard }
 { Solid } Bare { Soft } drawn.
 { Stranded } { Insulated }

Insulators, Material Porcelain Type Rigid Dead-end Voltage Rating 15 KV

Height of lowest wire above top of rail.....27.....ft. Height of lowest crossarm of wire support above ground
.....43.....ft.

Minimum vertical separation between nearest crossing wire and Railway communication wires.....8.....ft.

Railway signal wires.....16.....ft.

Length of crossing span.....90.....ft.

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

Maximum sag in crossing span.....1.0.....ft. at 60 degrees Far.

Maximum stress in each gauge of wire: 3/0 gauge 1500 lbs. 1/0 ACSR gauge 1500

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.....

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

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

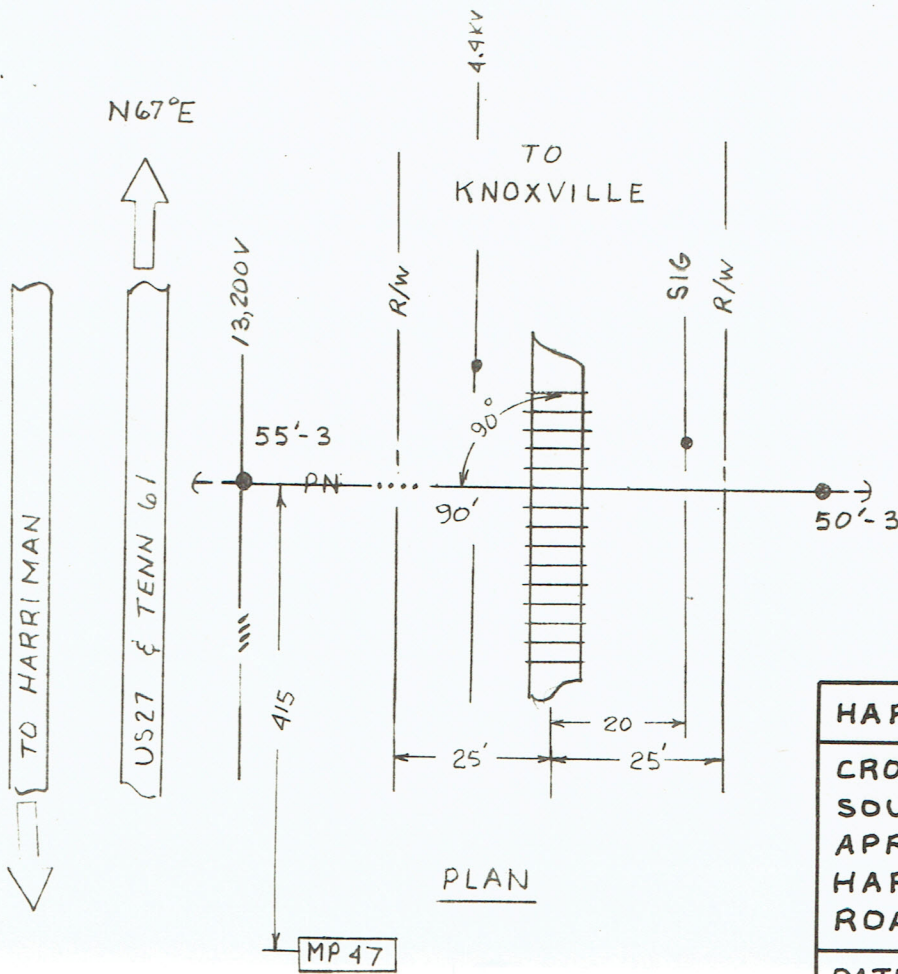
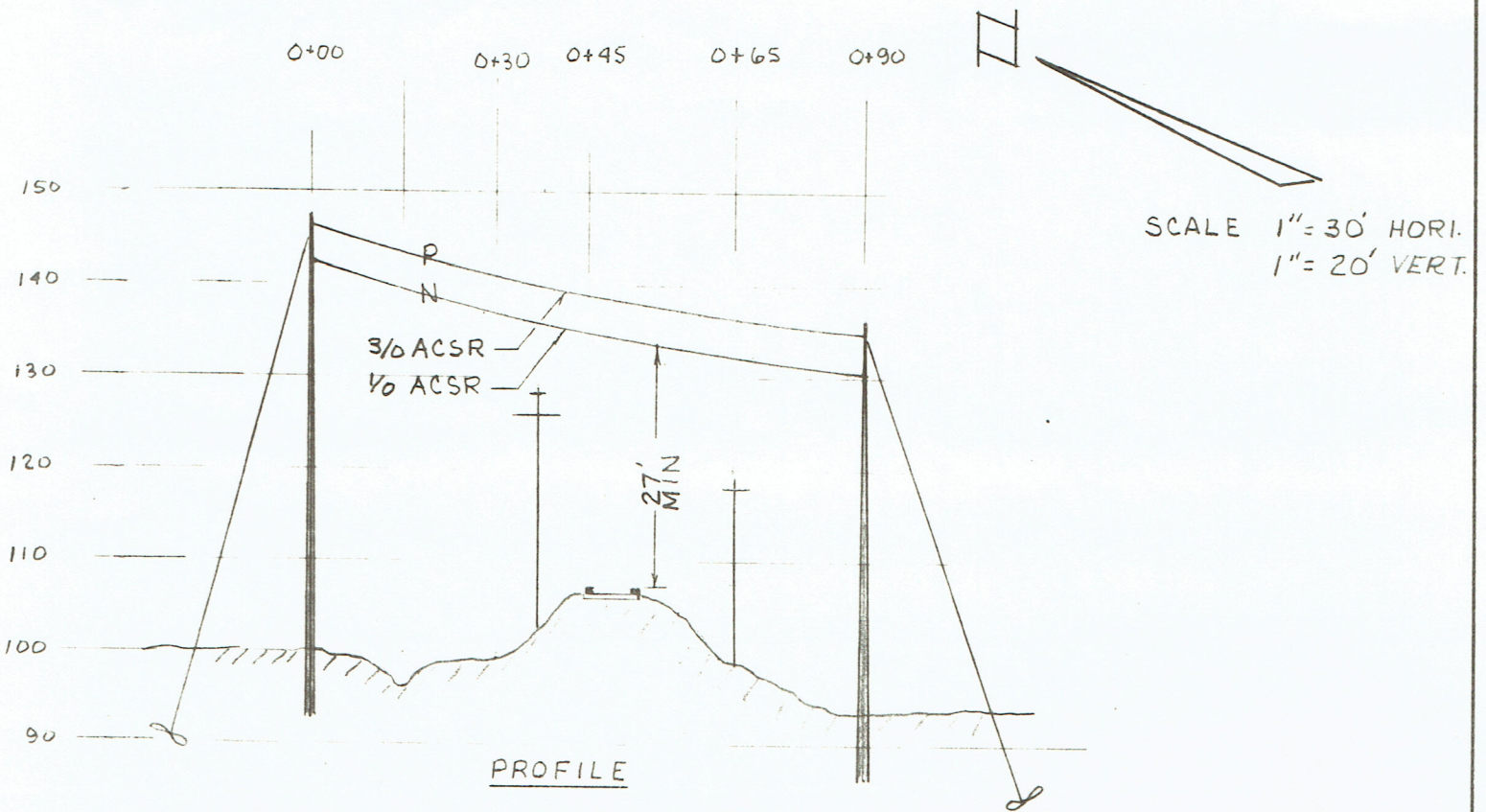
If not incorporated, give names and addresses of principal owners:

(Town) (State) Signed _____

Application Approved: _____, 19____ Title _____

Superintendent _____ Superintendent Communications _____

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



HARRIMAN UTILITY BOARD, TN.

CROSSING PLAN & PROFILE
SOUTHERN RAILWAY SYSTEM
APROX. 415' N.E. OF MP-47
HARRIMAN TO KNOXVILLE
ROANE COUNTY, TENNESSEE

DATE 5-14-76

RHALL

DWG. NO. 60S

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

hereinafter styled Company; and CITY OF HARRIMAN, 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 aerial wire line crossing 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. 608, dated May 14, 1976, (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 annually 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 said Facility causes degradation of the signal, communications or other electronic facilities of Company or its affiliates or subsidiaries, or endangers the personnel of Company or anyone else entitled to be on Company's property, through inductive or electrostatic interference or otherwise, Licensee, at the request of Company, and at Licensee's expense, will modify said Facility to the satisfaction of Company so as to eliminate such degradation or danger. Such modification may include, without limiting the generality of the foregoing, transposing circuits or providing additional shielding, filters, reactances or any other corrective measure deemed necessary. If Licensee fails to take such corrective measures in a timely manner or if an emergency situation is presented which in the Company's judgment requires immediate action, Company may undertake such corrective measures as it deems necessary or desirable but at Licensee's expense.

4. 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.

5. 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 and the inductive or

electrostatic fields generated thereby, or to the presence of the equipment or employees of Licensee, on Company's property.

6. This agreement shall take effect as of the 13th day of September, 19 76, 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 September 13, 1976.

SOUTHERN RAILWAY COMPANY,
By

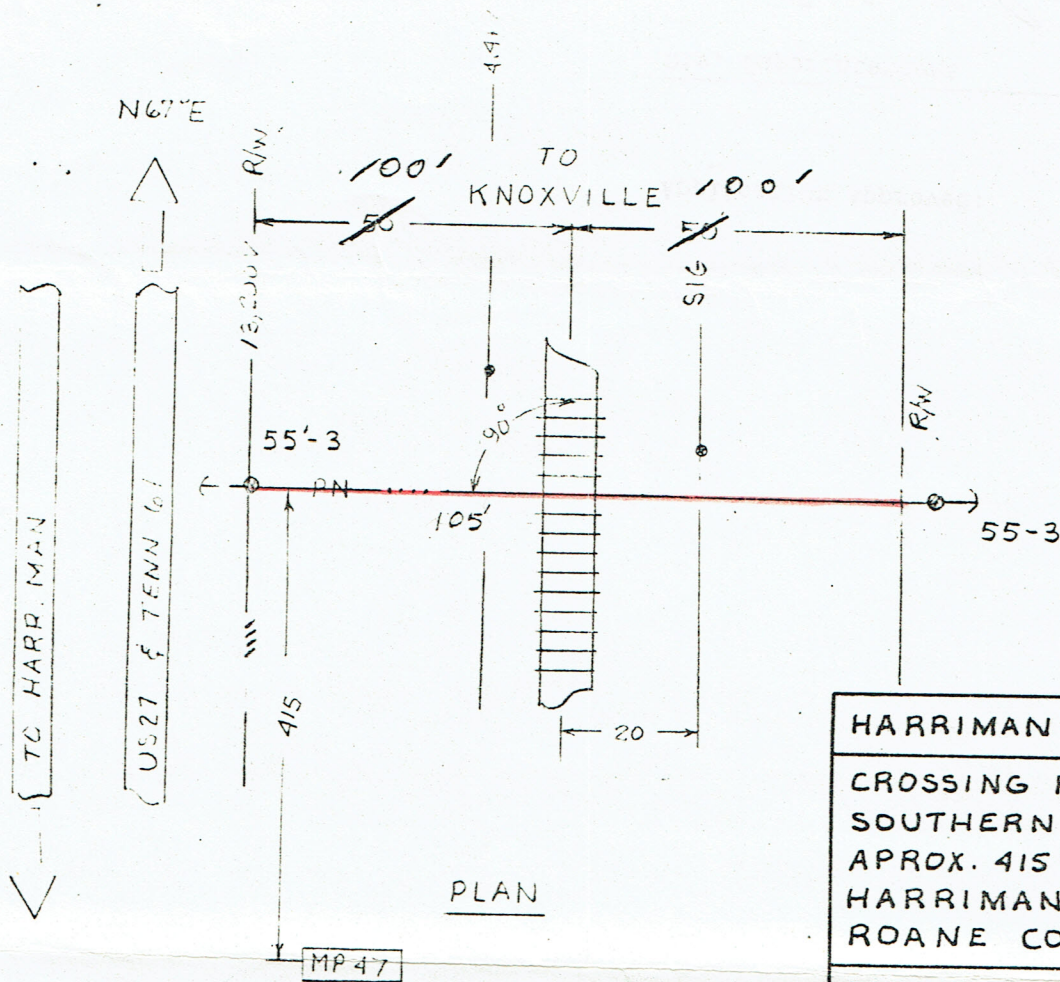
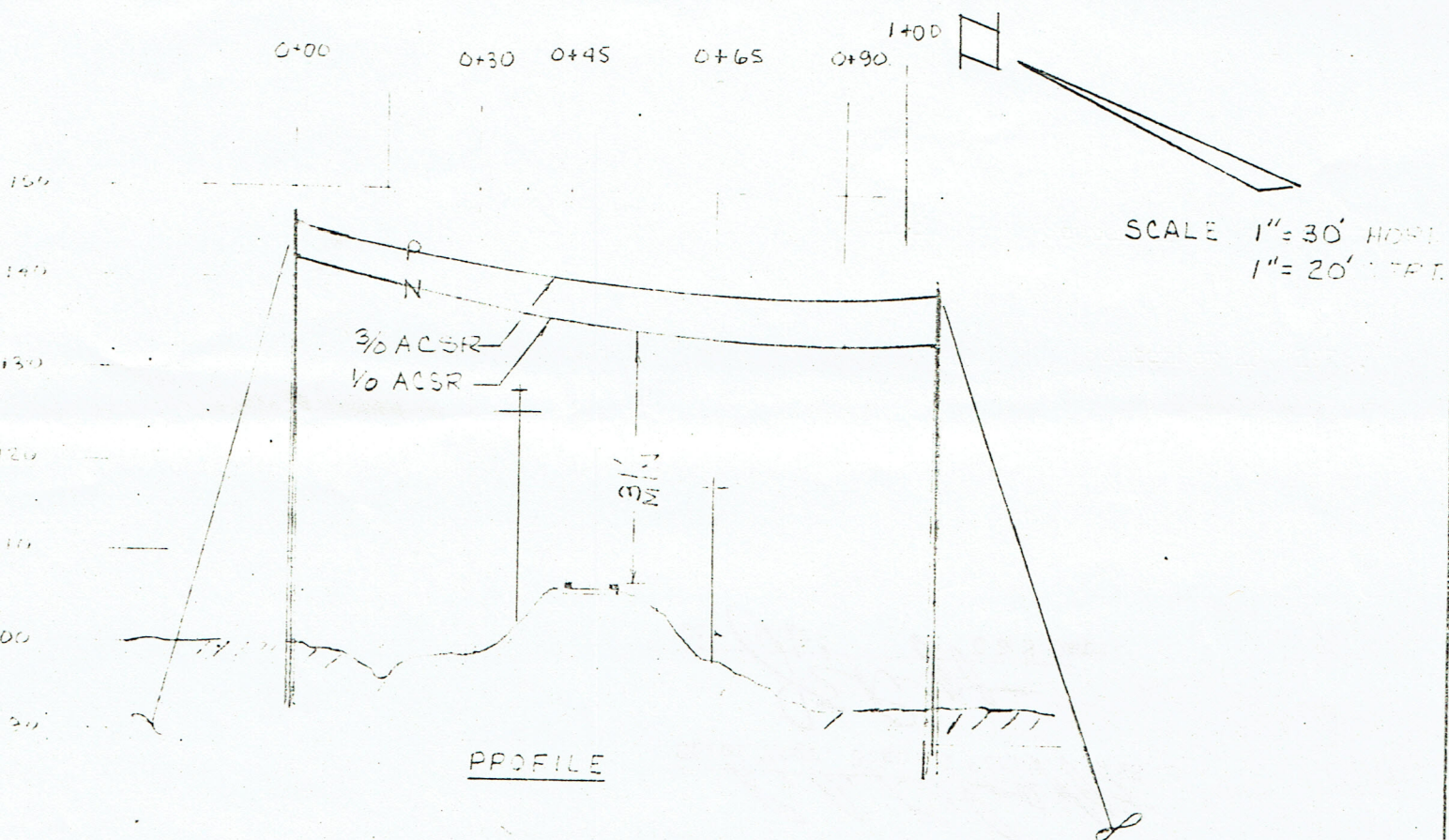
W.D. McLean

Vice President.

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

Wm A. Newcomb
Chairman.

MHW:8-5 76:7374



Sou Ry
Near Deacon, Tenn
2/60
120-3-4970

HARRIMAN UTILITY BOARD, TN.

CROSSING PLAN & PROFILE
SOUTHERN RAILWAY SYSTEM
APPROX. 415' N.E. OF MP-47
HARRIMAN TO KNOXVILLE
ROANE COUNTY, TENNESSEE

DATE 5-14-76 R.HALL DWG. NO. 605