

July 29, 1975

Mr. E. K. Ratliff, Superintendent
Southern Railway System
South Main Street
Somerset, Kentucky 42509

Dear Mr. Ratliff:

The City of Harriman, Tennessee acting by and through the Harriman Utility Board, request the approval of our application for an encroachment on your property near the entrance of Vulcan Materials. The crossing span to be located at mile post 161.

This crossing is required to serve your customer, S & M Coal Company.

We submit the following data covering this application.

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

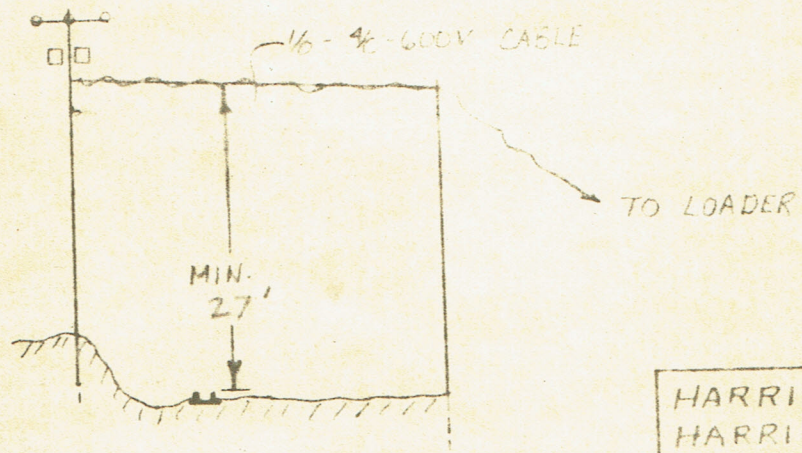
Very truly yours,

Richard A. Hall
ENGINEER

RAH:el

Enclosures : 1 Application
3 Prints

Hand-drawn engineering plan view of a proposed 13200V transmission line crossing railroad tracks. The diagram shows a vertical line representing the transmission line with a "R/W" (Right of Way) boundary at the top. It crosses three horizontal railroad tracks labeled "CROSSVILLE", "SPUR", and "CHATT.". The "CROSSVILLE" track has a "COAL LOADER" and a "SEM COAL CO." label. The "CHATT." track has a "CIN. D" label. A "US27 SOUTH BOUND" road is at the bottom, with "ROCKWOOD" and "HARRIMAN" labels. A "13200V EXISTING" line is shown below the "CHATT." track. Various markers like "#2ACSR 13200V", "40-4", "15 15 15", "182'", "MP 263", and "MP 261" are present. Dimensions of 30', 30', 31', and 34' are marked on the right side.



PROFILE OF CROSSING

HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

SOUTHERN RAILWAY SYSTEM
REQUEST PERMISSION TO
CROSS TRACKS AT MP 161
TO SERVE S & M COAL CO.
COAL LOADER

7-29-75

Sand & Spinto

E. K. Kalliff Supt
South Main St
Somerset Ky 42509

Form 1266

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 Railway

Company with a line of wires, as described below, forming a part of the applicant's line extending from Harrison to Carriff, 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 encroachment crossing to be located at 161 ft. N or E of M. P. 161

between Harrison and Carriff 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 or E sides in a generally North westerly direction at — degrees.

Number of tracks to be crossed 1 Number of pole lines to be crossed none

Number of poles on right of way of Railway Company 2 Number of guys or anchors 1

Distance from crossing poles or towers to center line of nearest main track N or E 30 ft.

S or W — ft.

Distance from crossing poles or towers to center line of nearest side track N or E 31 ft.

S or W 31 ft.

If proposed line will parallel the Railway right of way on either side of crossing, state approximate length of parallel:

181 ft. and separation between proposed line and Railway communication lines: NA ft.

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

If wood poles are used, give kind of timber Southern yellow pine Length of pole 40.28 ft.

Circumference at top 21 in. Circumference six feet from butt 34 in.

Depth of pole to be set in ground 6.5-4.0 ft. Show on drawing location of all guys and anchors.

A. C. Voltage 13200V No. phases 3 Operation { Delta }
240V { 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.....NA.....
D. C. Voltage.....—..... Amperes.....—..... No. wires.....—..... Configuration to be shown on drawing.....
Size of wire.....#2 (13200v).....gauge.....{AWG}..... Material of wire.....ACSR.....AAC.....{Hard}.....{Soft}.....drawn.
{Solid}.....{Bare}.....
{Stranded}.....{Insulated}.....
Insulators, Material.....porcelain..... Type.....{Pin-type}.....{Rigid Dead-end}.....{Suspension}..... Voltage Rating.....13200.....
Height of lowest wire above top of rail.....20'27".....ft. Height of lowest crossarm of wire support above ground.....33'.....ft.
Minimum vertical separation between nearest crossing wire and Railway communication wires.....NA.....ft.
Railway signal wires.....—.....ft.
Length of crossing span.....60.....ft.
Length of spans adjacent to crossing span N. or E.....NA.....ft. S. or W.....NA.....ft.
Maximum sag in crossing span.....7.0.....ft. at 60 degrees Far.
Maximum stress in each gauge of wire:.....2100.....gauge.....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.....Hannibal Utility Board.....
Incorporated under the laws of the State of.....
Location of principal office.....Hannibal..... State of.....Tenn.....
If not incorporated, give names and addresses of principal owners:

..... Signed.....
(Town)..... (State).....
Application Approved:....., 19..... Title.....
..... Superintendent..... Superintendent Communications.....
..... Chief Engineer M. W. & S. Signal and Electrical Superintendent.....