INTERSTATE COLL MCE COLLISSION

REPORT OF THE DIRICTOR OF MYE DURING OF SAFETY IN SULL VES LOAFION OF AN ACCIDENT VILOS OCCUPED DON THE NEW YORK CENTRAL RATEROAD AT LEREL, OHIO, ON JAMULPY 82, 1930

February 14, 1950.

To the Commission

On January 22, 1750, tache was a collecton between a New York Central Restroad real and a series train and a school bas, at Shelder Read grade cross ag, Boren, Ohio, which resulted in the absolute of the in vertor the bas and 9 school children and the injury of one child. This accident was investigated jointly with the facility Utilities Commission of Onio.

Location and method of operiora

The crossing where this accident ordered is in the Chivoland Terminal District of the Nor York Centric Railroad; it is located approximately 12 miles west of Cheveling Union Station, and about half a mile past of the station at Berch. At this point the relirous is a four-track line, in addition, there are two passing strocks couth of the four init tracks, the total distance cause the 6 tracks being approximately 90 foot. The two tracks fortheest to the north are track he. 3, the low spend westward track, and track No. 1, the high speed vistward strock. The tracks are tangent for a distance of several miles coutward and about half a mile west of from the crossing, the grade is proctice by lovel and the ground on such sides of the right-of-vay here the or sain, is filt and approximately level with the trials.

Sheld in Road grosses the New York Control tracks at an ergle of about 60%. It is surfaced with the distant maintained and 30 decomption, it is tangent and machinely level with the crossing of reconsiderable distance on both sides of the trich. Approveding the crossing on E elden Road from the southe station is an approved sign located 250 feet from the crossing and were sing in the total at the intersection of the highest and the reconstruction of the photostal published. The view of the infinite of the reconstruction but 1300 feet from the crossing to a particular from the crossing to a particular \$40 meet from the crossing, from the lateur point to the crossing the view is unobstructed and a train approaching from the cast can be seen for a distance of approximation 3 miles. The

view toward the west is not quite so open but for a distance of approximately 200 feet there is a clear view of the tracks toward the west for a distance of about 3100 feet.

The accident occurred at about 8.35 a.m. It was a clear, cold day, the sun was shining, the ground was covered with a little fresh snow, and a light wind was blowing from the north.

Description

On the morning of the accident train No. 7 consisting of one locomotive and 10 cars, departed from Cleveland at 8.02 a.m. on track No. 1, and train M19 departed on the same track at 8.11 a.m. Train X19 consisted of 3 mail cars, one express car, and two coaches, hauled by locomotive 3340, with Conductor Curtawiler and Engineman Hand in charge. Train No. 7 was diverted to track No. 3 at WS tower, 4.2 miles east of Berea, for the jurpose of allowing train X19 to pass, it proceeded from WS to Berea at reduced speed and according to the train sheet it passed WS at 8.30 a.m. and came to a stop at Berea at 8.36 a.m. Train X19 passed WS at 8.32 a.m., about 18 minutes late, and was running at a speed of 50 or 55 miles for hour and approximately a quarter of a mile behind train No. 7 when it struck the school bus at Sneldon Road crossing.

The school bus was a model T Ford, in charge of John Taylor, who was employed as bus driver by the school board of the Berea school district, and there were 10 children in it at the time of the accident. The bus had a scating capacity of 40, including the driver, and was being used to transport children from their nomes to Brook Park school, it was preceding in a northwesterly direction on Sheldon Road and was brought to a stop waite train No. 7 possed and then proceeded upon the tracks and was struck by the engine of train X19. The bus was entirely demolished and the engine of train X19 was slightly damaged

Summary of evidence

Neither the engineman nor the fireman of train X19 saw the bus before the accident occurred. The engineman being on the right hand side, his view of the highway toward the south was cut off by the locometive; the fireman was working on the fire and did not look out coward the south when approaching this crossing. The engineman stated that he had been following train No. 7 closely enough to receive the caution indications of automatic block signals until train No. 7 was diverted to track No. 3 at WS, and he then estimated that he was about 1½ miles behind train No. 7. He said his view of the train ahead was not

obscured by smoke or steam. When train No. 7 was diverted to track No. 3, giving him a clear track on No. 1, he began working steam for the purpose of making up time and was running at a speed of 50 or 55 miles an hour and had gained on the preceding train so that at the time of the accident they were only about a quarter of a mule apart. He stated that the bell was ringing continuously and he sounded the whistle for the crossing as he was approaching it, the last blast of this whistle signal being drawn out until he was about 75 feet east of the crossing. The first knowledge he had of the accident was when the crash occurred; the firemen told him he thought the localative had thrown a tire, he made a service application of the brakes and brought his train to a stop with the locomotive about opposite the rear and of train No. 7, which had also come to a stop at that time. He did not know they had struck a bus until after heliad brought his train to a stop and began to examine his engine and found school books on the pilot.

There were no eye witnesses of the accident on the track or highway in the immediate vicinity of the crossing. The section foreman and a section saborer were working on the track about 1000 feet west of Sheldon Road. They saw the bus approaching the crossing at a speed of about 10 miles per hour and also saw train X19 approximately half a rule distant, they said the bus appeared to be moving slowly and as they thought it was foing to stop they paid no further attention to either the bus or the train. They did not renember hearing the engine whistle as it approached the crossing, but the bell was ringing as the train passed them. The mother of three of the children in the bul, who lived some distance south of the railroad, stated that the bus stopped at her home at about 8.30 a. m. and after it left snemwatched it until it reached the crossing, there it stopped/waited for the passenger train to pass and then it started up again and ran in front of and was struck by the second passenger train. She said the second train was running at high speed; she did not hear the bell ringing but did hear the whistle signals. Two school students were walking on Sheldon Road size distance nurthwest of the crossing. They saw the bus as it approached the crossing and stopped to allow the first train to pass. They did not see the bus start up again and could not tell how far beyond the crossing the first train was when the bus started ever the crossing.

Superintendent Yawberg of the Borow school district stated that he arrived at the scene of the accident about 15 minutes after it occurred. At that time the passenger train standing west of the crossing was almost completely obscured by snoke and stear. Later, from a point on the south side of the railroad tracks he observed a west-bound train approach and pass and stated that the view of

the train was the steady to sound for the by state, steen and flying show. He then, but it hereby that triver Taylor when he approached the crossing at the first passenger train, stopped until it passed and then storted across without seeing the second arisin commanders the east. He thought that ariver Taylor sould have a on the second train from the east but it was likely he was them looking in the apposite direction, as Mr. The larger of soil on to him the apposite direction, as Mr. The larger of soil train which often passed at the uterity of the sould be red as a pus driver for a level of flour passes. In it, and that he was a an of excellent hards and a good, coneful driver.

Mrs Raydor, wife i draces and us la ver, stated that the bus was in , do mait one ill the windows in the front indeplets were in , decidio n. She stated that in rull weather how with his train so it in. had to be conducted and sho now palace had not store at an the Draing i the belief fir. Toylor hal con Diavide one schoolbus timmi um in this years. It wis produce on school days to leave here it 7.30 in the image, roturnm, at 9.00, leave have spoin of 3 30 and return of 5.00 There were accordations in rotating 33 continen in the lus, and he ade two trains a chorana, and sho annua a tho first trip six chiliren were stourt, the sound trip, however, it was nower emailer out the lectrout coursed in the socord true. She atread to Marvice's not to were too!, ie never drank had. Iwnje white be ed it as ut 9.00 sieleck each might and jut up at the thing of shock in the first on the events but no the form for a confort length of at mile, tent to be at 1 of a confort to a confort to be at 1 of a confort to a confort to be at 1 of a confort to be at 1 of a confort to be at 1 of a confort to oof re 9 15. Indanvistag of 1 declaration to the weather than the state of the legent he and norming and no physical deducts

Observations allessife onto the heardent under smaller equalitions from a verther, to perfure independent shows verth ground, disclose that it was necessary to wait for a period of from 10 to 00 seconds offer the cost of a passenger time self rethers has been under the edetroid that the fire sufficiently to be easier to receive the mass approaching and whether it was safe to receive the erossing.

C nelusi ns

inis receivert was caused by the so out bur, after waiting for one train to pass, form, foreven a, in the crussing directly in the jath of a second trular which was a proposing the crussing of high speed.

This crossing was not protected by watchman or by devices to indicate the approach of trains. The evidence in this investigation disclosed that the driver brought his bus to a stop and waited for the passage of one train. The two trains were estimated to have been approximately a quarter of a mile apart as they approached the point of accident, based upon this estimate, the second train reached the crossing approximately 20 seconds after the first train cleared it. The bus traveled a distance of at least 75 feet from the point where it stopped for the first train to the point where it was struck by the second train. It thus appears that the bus must have storted forward at about the time the rear end of the first train cleared the crossing, and it is believed that at that time the air was so filled with smoke, steam and snow, stirred up and following behind the first train that it was impossible for the bus driver to see the second approaching train. The requirements of safety cannot be fulfilled merely by bringing in automobile to a stop at a grade crossing, it must be definitely known that there is no closely approaching train before it is safe to proceed. Because of his failure to observe this fundamental safety requirement, the direct responsibility for this accident must rest upon driver Taylor of the school bus.

For a period of 30 days prior to the date of this accident the average daily train movement over the tracks at this point was approximately 60 westward trains and 70 eastward trains. Normally highway traffic on Sheldon Road is light. However, at the time of the accident some traffic was rerouted from other nighways where construction and repair work was in progress, and at times the volume of traffic is considerably increased on account of the close proximity of the Cleveland airport. Any highway grade crossings of this character over a multiple track railroad on which frequent and high speed trains are operated is a point of danger which requires the exercise of extreme caution on the part of the automobile drivers, and a peculiar responsibility for rigidly regarding all safety requirements and precautions rests upon the driver of a bus carrying children entrusted to his care.

Approach and crossing signs such as were installed at this point are herely markers indicating the existence and location of a grade crossing, such signs do not warn drivers or motorists of approaching trains, but caution them to "stop, look and listen" to ascertain whether or not a train is approaching. Such signs and markers alone do not adequately safeguard traffic over such a crossing. The range of vision ray be so obscured by storm, snoke or fog, or obstructed by cars on the railroad tracks or other

vehicles on the highwry, that a slowly hoving vehicle may not have the edocated the crossing of rothe critical et the erisaing of a high-speed train which was not at view then the vehicle stated cerose. At a crossing of this character there should be installed signal levices to give variant to persons on the highest of the approach of trains, and at such a crossing verialist, altiple-track railroad cereful consideration backed also be aven to the desirability of installing some levice which would ave distinctive indicate nowher to tracks were appropriating the crossing at the line time in ally a south that the interval apart.

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Since the occurrance is this accident the bases of the Berea school district have bein reroted and the passage of sono I bases ever returned or ssan, not intected by levices inheriting the approach if orders hap been reduced to the distant of twenty-two dealy.

Respectfuely suritted,

V. P. FOr LaID,

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