



**HIGHWAY FACTORS AND RAILROAD GRADE CROSSING  
GROUP CHAIRMAN'S FACTUAL REPORT**

**Highway and Rail Crossing Attachment – Information and Data  
Received from Virginia Department of Transportation**

**Crozet, Virginia**

**HWY18MH005**

(6 pages)

## NTSB Highway Factors Investigation Preliminary Data Request

NTSB Crash #: HWY18MH005

Crash Location: Crozet, VA

Crash Date: January 31, 2018

Request Date: February 1, 2018

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Please prepare and provide the following:

1. Crash location - DOT Crossing Number and Railroad Milepost #.

224704E

2. Functional classification of Lanetown Road/SR-684.

Local

3. Construction & maintenance history of Lanetown Road and the rail-highway grade crossing for the last 3 years.

Attached file – “work request log.pdf” – this is customer call in requests for maintenance work

Attached file – “Route 684 Maintenance Log.pdf” – This file is our records of regular maintenance scheduled by the Yancey Mill Area Headquarters.

Both these files show work along the entire length of Route 684, not just the section of road in the vicinity of the RR crossing.

4. Average daily traffic (ADT) for the last 10 years on Lanetown Road in the vicinity of the grade crossing.

Attached file 2015 speed study, “Lanetown Road Speed Study – Final NSU Sealed.pdf”

Attached file “10 year traffic data .xlsx”

5. Vehicle classification count on Lanetown Road in the vicinity of the grade crossing (use FHWA vehicle type listing or Virginia DOT vehicle type listing – if Virginia DOT vehicle types, include type definitions).

See attached “Rt 684 Station 1.pdf” and “Rt 684 Station 2.pdf”. There is count data and it includes truck count, but does not classify further.

We will schedule a count on the road as traffic normalizes and collect ADT and classification data.

6. Traffic crash summary on Lanetown Road in the vicinity of the grade crossing for the last 10 years. Include copies of crash reports.

See attached “Crash Reports.pdf “ - This file has 4 reports. The log I sent you yesterday showed 6 reports. The difference is that the report I ran yesterday included a 250 foot intersection buffer that included reports on intersecting roads within 250 feet of Lanetown. The two reports in yesterday’s log were not actually on Lanetown Road but rather on adjacent streets within the buffer so I removed them.

7. Typical section of Lanetown Road in the vicinity of the grade crossing showing width of travel lanes and shoulders.

Not Available

8. As-built construction plans for Lanetown Road in the vicinity of the grade crossing (horizontal and vertical geometry).

Not Available

9. Signage and pavement marking plans for Lanetown Road in the vicinity of the grade crossing.

Attached in 2015 study, “Lanetown Road Speed Study-Final NSU Sealed.pdf”

10. Speed limit for Lanetown Road at and before the crossing.

Attached "signed resolution for speed limit.pdf"

11. Latest 85<sup>th</sup> percentile speed study on Lanetown Road in the vicinity of the grade crossing.

Attached in 2015 study, "Lanetown Road Speed Study-Final NSU Sealed.pdf"

12. Crossing angle of Lanetown Road and the rail-highway grade crossing.

No records available, drawing on page 22 of "UPC 89738 Rail Crossing.pdf" indicates the skew but I am not sure of the accuracy.

13. Who has jurisdiction and maintenance responsibilities for Lanetown Road?

VDOT maintains Route 684, Lanetown Road. Albemarle County has jurisdiction responsibilities.

14. Who has jurisdiction and maintenance responsibilities of the grade crossing?

See attached "COV 56-405.pdf"

15. Who is responsible for the signing on Lanetown Road? Include breakdown about crossing related signage and highway related signage.

VDOT

## Prouty Steven

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**From:** DeNunzio, Joel D., P.E. (VDOT) [REDACTED]  
**Sent:** Tuesday, March 13, 2018 10:51 AM  
**To:** Prouty Steven  
**Cc:** Wray, Michael V. (VDOT); Cole, Mark (VDOT)  
**Subject:** RE: Grade Crossing Collision near Crozet, VA  
**Attachments:** info for installation of signalized crossing.pdf

Steve,

We have not yet counted but we will set that up and complete within the next couple weeks. I will send the info when I receive it.

For the below questions:

- I don't know when Route 684, Lanetown Road was first constructed but it was taken into the VDOT Secondary System of Highways in 1932 under the Byrd Act. All existing county roads that met a certain public benefit were taken in that year with a prescriptive easement. Lanetown Road on the 1932 County map shows this road as County Road 130. The surface was graded and unsurfaced and the RR Crossing existed at that time.
- Lanetown Road was never reconstructed to my knowledge but the history of the surfaces is:
  - 1940- the surface went from the graded unsurfaced to soil, gravel, sand-clay.
  - 1971- 1975-sometime in this range the road was hard surfaced to bituminous concrete.
- The original grade crossing was in existence in 1932. I don't know when the first signalized grade crossing was installed but it was last upgraded starting on 1-11-2012. Michael or Mark may be able to give a better history of the signalized crossing. See attachment for the last install.

I have the maps that show the road in the secondary system in 1932 and also for the years that the surface was upgraded. Please let me know if you need copies of the maps.

Please let me know if you have any questions.

Thanks  
Joel

Joel DeNunzio, P.E.  
Resident Engineer  
[VDOT Charlottesville Residency](#)  
[REDACTED]

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**From:** Prouty Steven [mailto:[REDACTED]]  
**Sent:** Monday, March 12, 2018 6:12 PM  
**To:** DeNunzio, Joel D., P.E. (VDOT)  
**Cc:** Wray, Michael V. (VDOT); Cole, Mark (VDOT)  
**Subject:** Grade Crossing Collision near Crozet, VA

Hi Joel –

I hope this email finds you well.

I am just checking to see if you have had a chance to schedule the vehicle count and classification for SR-684 in the area of the grade crossing, and if so, when are you expecting that to take place?

Also, can you answer the following questions for me:

- When was Lanetown Road/SR-684 was first constructed?
- When was Lanetown Road/SR-684 last reconstructed?
- When was the grade crossing between Lanetown Road/SR-684 and the Buckingham Branch Railroad (or CSX) first constructed?
- When was the grade crossing last reconstructed?

I may have asked you or Mike some of these already, so, if I did, I apologize, but I can't locate that information in my notes. If the information can't be located, just let me know, and I will work around it the best I can.

Thanks,  
Steve



**Steven L. Prouty, P.E.**

*Senior Investigator, Highway Engineering*

*NTSB – Office of Highway Safety*

*490 L'Enfant Plaza East, S.W., Washington, DC 20594*

☎ [REDACTED] | eFax – [REDACTED]  
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