



**HIGHWAY FACTORS GROUP CHAIRMAN'S
FACTUAL REPORT**

**Highway Attachment – Information and Data Received from Pottawattamie
County Secondary Roads Department**

Oakland, Iowa

HWY18MH0003

(3 pages)

NTSB Highway Factors Investigation Preliminary Data Request

NTSB Crash #: HWY18MH003
Crash Location: Oakland, IA
Crash Date: December 12, 2017
Request Date: December 13, 2017

Information Received (in blue below)
from Pottawattamie County
Engineer on 12/15/2017 via email.

Please provide the following:

1. Survey of V-ditch (side slopes and bottom) and culvert near crash location.

Survey taken and data to be emailed the week of December 18th.

2. Pottawattamie County standards for V-ditches (side slopes and bottom) and culverts at driveway locations.

New construction would require 20 foot roadway and 2 foot shoulders. With 3:1 foreslopes and 3:1 entrance (cross) slopes. Ditch bottoms may be 0 feet wide with less than 400 VPD. Ditch depths are typically 3 feet lower than the edge of the road but vary due to erosion, aggregation and drainage needs.

3. Permit and inspection of driveway location at crash location? When was inspection performed and when was it approved.

No Driveway permits were found for that location, permits in the area date back to the 1950's. We assume the driveway was built prior to the permitting process and is apparent in the 1950 aerial photograph; the 1938 aerial photograph isn't detailed enough to determine if the field driveway existed or not.

4. Average daily traffic (ADT) for the last 10 years on 480th Street.

The Iowa DOT provides counts every 4 years; these counts may or may not be calculated.

2004 – 15 VPD
2008 – 25 VPD
2012 – 25 VPD
2016 – 10 VPD

5. Provide or conduct a 24-hour vehicle classification count in the vicinity of the crash (i.e. number of school buses, automobiles, trucks, etc.).

The assumed truck count for the DOT is 10% trucks. Sufficient?

6. Traffic accident summary within a 1-mile radius of the crash for the last 5 years (i.e. number of tree hits, rear end, sideswipe, etc.).

Local Data is from 2008 to 2013, no accidents were reported within a one mile radius. Newer data has been requested and will be provided when available.

- 7. Fatal accident summary within a 1-mile radius of the crash for the last 5 years.**

Local Data is from 2008 to 2013, no accidents were reported within a one mile radius. Newer data has been requested and will be provided when available.

- 8. Typical section of 480th Street showing width of roadway.**

To be provided with survey taken.

- 9. Speed limit for 480th Street in the vicinity of the crash.**

The speed limit is 55 MPH unless otherwise posted in Iowa; there is no posted speed limit in the vicinity of the crash.

- 10. Latest 85th percentile speed study on 480th Street in the vicinity of the crash location.**

No speed studies have been conducted in the vicinity.

- 11. As-built construction plans for 480th Street in the vicinity of the crash (horizontal and vertical geometry).**

The roadway was established at 56 feet wide by Petition No. 288 on November 21, 1877 and recorded in Road Calendar Book B at Page 605. I've found no plans for road work or grading. Still looking for a typical section from that era.

- 12. Signage plans for 480th Street (approximately 1-mile in either direction of crash location).**

Sign Inventory is available and a report has been requested. No plans exist for signage.

- 13. How many school buses travel on 480th Street? Provide the school bus schedule for the morning and afternoon routes on 480th Street.**

Unknown by the County Engineer.

- 14. Locations for the school bus drop-off and pick-up locations on 480th Street.**

Unknown by the County Engineer.