

# HIGHWAY FACTORS GROUP CHAIRMAN'S FACTUAL REPORT

Highway Attachment – Crash History for I-65 in Vicinity of Crash Location

Greenville, Alabama

**HWY21MH009** 

(6 pages)

Date Range Chosen: 01/01/2016 - 06/01/2021 (Range Filtered by NTSB: 01/01/2016 - 12/31/2020)

Variable Filters:

E Highway Side Northbound Route

IN00650 From 137 To: 139

Time of report run: 6/21/2021 1:41:29 PM

CMV Involved	Crash Severity	CU Contributing Circumstance	CU Roadway Condition	E Manner of Crash	First Harmful Event	Lighting Conditions	Number of Vehicles	Year
CMV is Not Involved	Property Damage Only	Followed too Close Driving too Fast for Conditions	Wet Wet	Rear End (front to rear) Single Vehicle Crash (all types)	Collision with Vehicle in Traffic  E Ran Off Road Left	Daylight Daylight	3 Vehicles 1 Vehicle	2016 2016
CMV is Not Involved	Property Damage Only Property Damage Only	Over Speed Limit	Dry	Single Vehicle Crash (all types)	Collision with Ditch	Dark - Roadway Not Lighted	1 Vehicle	2016
CMV is Not Involved	Property Damage Only	Defective Equipment	Wet	Single Vehicle Crash (all types)	E Vehicle Defect/Component Failure	Daylight	1 Vehicle	2016
CMV is Not Involved	Property Damage Only Property Damage Only	E Fatigued/Asleep  Defective Equipment	Dry Dry	Single Vehicle Crash (all types)  Non-Collision	Collision with Ditch Fire/Explosion	Daylight  Dark - Roadway Not Lighted	1 Vehicle 1 Vehicle	2016 2016
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Ditch	Daylight Daylight	1 Vehicle	2016
CMV is Not Involved	Property Damage Only	Unseen Object/Person/Vehicle	Dry	Non-Collision	E Collision with Animal: Deer	Dark - Roadway Not Lighted	1 Vehicle	2016
CMV is Not Involved CMV is Not Involved	Suspected Minor Injury Suspected Serious Injury	E Over Correcting/Over Steering  Driving too Fast for Conditions	Wet Wet	Side Impact (90 degrees) Single Vehicle Crash (all types)	Collision with Vehicle in Traffic Collision with Tree	Dark - Roadway Not Lighted Daylight	2 Vehicles 1 Vehicle	2016 2016
CMV is Not Involved	Fatal Injury *	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Ditch	Dark - Roadway Not Lighted	1 Vehicle	2017
CMV is Not Involved	Possible Injury	E Over Correcting/Over Steering	Ice	Other	Jackknife	Dark - Roadway Not Lighted	2 Vehicles	2017
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions  E Other - No Improper Driving	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail  E Collision with Concrete Barrier	Daylight Daylight	1 Vehicle 1 Vehicle	2017 2017
CMV is Not Involved	Property Damage Only	Misjudge Stopping Distance	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	4 Vehicles	2017
CMV is Not Involved CMV is Not Involved	Property Damage Only	E Swerved to Avoid Vehicle E Fatigued/Asleep	Wet Dry	Sideswipe - Same Direction	Collision with Vehicle in Traffic  Collision with Ditch	Daylight	2 Vehicles 1 Vehicle	2017 2017
CMV is Not Involved	Property Damage Only Property Damage Only	Defective Equipment	Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail	Daylight  Dark - Roadway Not Lighted	1 Vehicle	2017
CMV is Not Involved	Property Damage Only	E Over Correcting/Over Steering	Dry	Single Vehicle Crash (all types)	Collision with Ditch	Dark - Roadway Not Lighted	1 Vehicle	2017
CMV is Not Involved	Property Damage Only Property Damage Only	E Over Correcting/Over Steering Followed too Close	Wet Wet	Single Vehicle Crash (all types)  Rear End (front to rear)	Collision with Bridge Abutment/Rail Collision with Vehicle in Traffic	Daylight Dawn	1 Vehicle 2 Vehicles	2017 2017
CMV is Involved	Property Damage Only	E Swerved to Avoid Vehicle	Wet	Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail	Dark - Roadway Not Lighted	1 Vehicle	2017
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Angle (front to side) Same Direction		Daylight	2 Vehicles	2017
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions  E Swerved to Avoid Object	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail  E Collision with Guardrail Face	Daylight  Dark - Roadway Not Lighted	1 Vehicle 1 Vehicle	2017 2017
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Tree	Dark - Roadway Not Lighted  Dark - Roadway Not Lighted	1 Vehicle	2017
CMV is Not Involved	Property Damage Only	DUI	Dry	Single Vehicle Crash (all types)	Collision with Tree	Daylight	1 Vehicle	2017
CMV is Not Involved CMV is Not Involved	Suspected Minor Injury Suspected Serious Injury	Driving too Fast for Conditions  Driving too Fast for Conditions	Wet Wet	Single Vehicle Crash (all types)	E Collision with Guardrail Face Collision with Bridge Abutment/Rail	Dawn	1 Vehicle 1 Vehicle	2017 2017
CMV is Involved	Suspected Serious Injury	E Fatigued/Asleep	Dry	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	E Collision with Guardrail Face	Daylight Daylight	1 Vehicle	2017
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Tree	Daylight	1 Vehicle	2018
CMV is Not Involved CMV is Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions Unseen Object/Person/Vehicle	Wet Wet	Single Vehicle Crash (all types) Other	Collision with Bridge Abutment/Rail Collision with Parked Motor Vehicle	Dark - Roadway Not Lighted  Dark - Roadway Not Lighted	1 Vehicle 1 Vehicle	2018 2018
CMV is involved	Property Damage Only Property Damage Only	Not Applicable	Wet	Other	Collision with Parked Motor Vehicle  Collision with Parked Motor Vehicle	Dark - Roadway Not Lighted  Dark - Roadway Not Lighted	2 Vehicles	2018
CMV is Not Involved	Property Damage Only	Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	2 Vehicles	2018
CMV is Involved CMV is Not Involved	Property Damage Only Property Damage Only	E Over Correcting/Over Steering Followed too Close	Dry Dry	Single Vehicle Crash (all types)  Rear End (front to rear)	Collision with Culvert Headwall Collision with Vehicle in Traffic	Daylight Daylight	1 Vehicle 2 Vehicles	2018 2018
CMV is Not Involved		Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail	Daylight	1 Vehicle	2018
CMV is Not Involved	Property Damage Only	Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	4 Vehicles	2018
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions  Driving too Fast for Conditions	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	Collision with Ditch Collision with Bridge Abutment/Rail	Daylight Daylight	1 Vehicle 1 Vehicle	2018 2018
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions  Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	E Collision with Concrete Barrier	Daylight	1 Vehicle	2018
CMV is Not Involved	Property Damage Only	Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	3 Vehicles	2018
CMV is Involved	Property Damage Only	Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic  Collision with Bridge Abutment/Rail	Daylight	3 Vehicles	2018 2018
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions Followed too Close	Wet Dry	Non-Collision Side Impact (angled)	Collision with Vehicle in Traffic	Daylight Daylight	2 Vehicles 2 Vehicles	2018
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail	Daylight	1 Vehicle	2018
CMV is Involved	Property Damage Only	E Swerved to Avoid Vehicle	Wet Wet	Rear End (front to rear)  Rear End (front to rear)	Collision with Vehicle in Traffic  Collision with Vehicle in Traffic	Daylight	3 Vehicles	2018 2018
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	E Other Distraction Inside the Vehicle  E Swerved to Avoid Vehicle	Dry	Single Vehicle Crash (all types)	E Other Non-Collision	Daylight Daylight	2 Vehicles 1 Vehicle	2018
CMV is Not Involved	Property Damage Only	Followed too Close	Dry	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	2 Vehicles	2018
CMV is Not Involved		Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Ditch	Dark - Roadway Not Lighted	1 Vehicle	2018
CMV is Not Involved CMV is Not Involved	Suspected Serious Injury Suspected Serious Injury	Driving too Fast for Conditions  E Ran off Road	Wet Dry	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	Collision with Ditch Collision with Sign Post	Dark - Roadway Not Lighted  Dark - Roadway Not Lighted	1 Vehicle 1 Vehicle	2018 2018
CMV is Involved	Suspected Serious Injury	Misjudge Stopping Distance	Wet	Other	Collision with Vehicle in Traffic	Daylight	9 Vehicles	2018
CMV is Involved CMV is Not Involved	Suspected Serious Injury	Driving too Fast for Conditions Unseen Object/Person/Vehicle	Wet	Other	Collision with Vehicle in Traffic	Daylight	4 Vehicles	2018 2018
CMV is Not Involved	Suspected Serious Injury Possible Injury	Driving too Fast for Conditions	Wet Wet	Rear End (front to rear) Single Vehicle Crash (all types)	Collision with Vehicle in Traffic  Collision with Bridge Abutment/Rail	Daylight Daylight	2 Vehicles 1 Vehicle	2018
CMV is Involved	Possible Injury	Driving too Fast for Conditions	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	3 Vehicles	2019
CMV is Not Involved		Driving too Fast for Conditions	Wet Wet	Single Vehicle Crash (all types) Sideswipe - Same Direction	E Collision with Guardrail Face Collision with Vehicle in Traffic	Dark - Roadway Not Lighted	1 Vehicle	2019 2019
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	E Crossed Centerline Followed too Close	Dry	Single Vehicle Crash (all types)	E Collision with Cable Barrier	Daylight Daylight	2 Vehicles 1 Vehicle	2019
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Tree	Dusk	1 Vehicle	2019
CMV is Not Involved	Property Damage Only	E Fatigued/Asleep	Dry	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	E Collision with Cable Barrier	Dark - Roadway Not Lighted	1 Vehicle	2019 2019
CMV is Not Involved	Property Damage Only Property Damage Only	E Ran off Road DUI	Dry Dry	Single Vehicle Crash (all types)	E Collision with Cable Barrier E Collision with Cable Barrier	Daylight  Dark - Roadway Not Lighted	1 Vehicle 1 Vehicle	2019
CMV is Involved	Property Damage Only	Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	3 Vehicles	2019
CMV is Not Involved	Property Damage Only	E Swerved to Avoid Vehicle DUI	Dry	Single Vehicle Crash (all types)	E Collision with Cable Barrier	Daylight Daylight Sandy	1 Vehicle	2019 2019
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Unseen Object/Person/Vehicle	Dry Wet	Sideswipe - Opposite Direction Single Vehicle Crash (all types)	Collision with Vehicle in Traffic  E Collision with Other Non-Fixed Object	Dark - Roadway Not Lighted Daylight	2 Vehicles 1 Vehicle	2019
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	3 Vehicles	2019
CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions Followed too Close	Wet Wet	Single Vehicle Crash (all types)  Rear End (front to rear)	Collision with Bridge Abutment/Rail Collision with Vehicle in Traffic	Daylight	1 Vehicle 2 Vehicles	2019 2019
CMV is Not Involved		Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	E Collision with Cable Barrier	Daylight Daylight	1 Vehicle	2019
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Dark - Roadway Not Lighted	2 Vehicles	2019
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Rear End (front to rear)	Collision with Overhead Object/Bridge/Tree	E Dark - Spot Illumination Both Sides of Roadway	4 Vehicles	2019 2019
CMV is Not Involved CMV is Not Involved	Suspected Minor Injury Possible Injury	Defective Equipment Driving too Fast for Conditions	Dry Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	Collision with Ditch Collision with Tree	Dark - Roadway Not Lighted Daylight	1 Vehicle 1 Vehicle	2019
CMV is Not Involved	Possible Injury	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail	Daylight	1 Vehicle	2020
CMV is Not Involved	Property Damage Only	E Ran off Road	Wet	Single Vehicle Crash (all types)	E Collision with Cable Barrier	Daylight	1 Vehicle	2020
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions Driving too Fast for Conditions	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	E Collision with Cable Barrier E Collision with Cable Barrier	Dawn Daylight	1 Vehicle 1 Vehicle	2020 2020
CMV is Not Involved	Property Damage Only	Not Applicable	Dry	Single Vehicle Crash (all types)	E Collision with Animal: Deer	Dark - Roadway Not Lighted	1 Vehicle	2020
CMV is Not Involved	Property Damage Only	E Swerved to Avoid Vehicle	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	E Collision with Cable Barrier	Daylight Daylight	1 Vehicle 1 Vehicle	2020 2020
CMV is Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions Other	Dry	Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail E Ran Off Road Left	Daylight Daylight	1 Vehicle	2020
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	E Collision with Cable Barrier	Daylight	1 Vehicle	2020
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	Collision with Bridge Abutment/Rail	Daylight Daylight	1 Vehicle	2020 2020
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Driving too Fast for Conditions Driving too Fast for Conditions	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	E Collision with Cable Barrier Collision with Tree	Daylight Daylight	1 Vehicle 1 Vehicle	2020
CMV is Not Involved	Property Damage Only	Unseen Object/Person/Vehicle	Dry	Single Vehicle Crash (all types)	E Collision with Animal: Deer	Dawn	1 Vehicle	2020
CMV is Not Involved	Property Damage Only	Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	3 Vehicles	2020
CMV is Not Involved CMV is Involved	Property Damage Only Property Damage Only	Followed too Close Driving too Fast for Conditions	Wet Wet	Rear End (front to rear) Other	Collision with Vehicle in Traffic  E Collision with Cable Barrier	Daylight Daylight	2 Vehicles 3 Vehicles	2020 2020
CMV is Not Involved	Property Damage Only	E Swerved to Avoid Vehicle	Wet	Single Vehicle Crash (all types)	E Collision with Cable Barrier	Dark - Roadway Not Lighted	1 Vehicle	2020
CMV is Not Involved	Property Damage Only	Driving too Fast for Conditions	Wet	Single Vehicle Crash (all types)	E Collision with Guardrail Face	Daylight Daylight	1 Vehicle	2020
CMV is Not Involved CMV is Not Involved	Property Damage Only Property Damage Only	Defective Equipment DUI	Wet Wet	Single Vehicle Crash (all types) Single Vehicle Crash (all types)	E Collision with Guardrail Face Collision with Ditch	Daylight  Dark - Roadway Not Lighted	1 Vehicle 1 Vehicle	2020 2020
CMV is Not Involved		Followed too Close	Wet	Rear End (front to rear)	Collision with Vehicle in Traffic	Daylight	3 Vehicles	2020
CMV is Not Involved CMV is Involved	Suspected Minor Injury Suspected Serious Injury	E Ran off Road	Wet	Side Impact (angled)	Collision with Vehicle in Traffic  Collision with Bridge Abutment/Rail	Daylight Dark - Roadway Not Lighted	2 Vehicles	

\* Law Enforcement Crash Report Narrative for 2017 Fatal Crash listed above:

Unit #1 was traveling North on I-65. Witness stated the driver of Unit #1 lost control of her vehicle, exiting the roadway left, entering the median. Unit #1 then traveled along the median northbound until it exited off the median, traveled down an embankment, making contact with the embankment between two bridges, coming to a final rest in the creek below.

# I-65 MP 137-139 Brief NB € 5B

#### **Traffic Counts**

- 2009 28,340
- $\bullet$  2010 29,450
- 2011 28,860
- 2012 29,370
- 2013 29,840

Average Counts for 5 Years (2009 - 2013) - 29,172

- 2014 30,410 (Construction)
- 2015 33,360
- 2016 35,130
- 2017 35,220
- 2018 34,778
- 2019 32,902

Average Counts for 5 Years (2015 - 2019) - 34,278

- 2020 No Data
- 2021 No Data

Average Counts for (2019 - 2021) (2019 Data Used) - 32,902

Average Counts for Last 5 Years (2016 - 2021) (2016 - 2019 Data used) - 34,507

# Rainfall Data (Inches)

- 2009 86,88
- 2010 49.58
- 2011 47.84
- 2012 56.78
- 2013 64.21

Average Rainfall for 5 Years (2009 - 2013) - 61.06

Cumulative Rainfall for 5 Years (2009 - 2013) - 305.29

- 2014 66.55
- 2015 51.07
- 2016 52.00
- 2017 71.75
- 2018 69.53

Average Rainfall for 5 Years (2014 – 2018) – 62.18

Cumulative Rainfall for 5 Years (2014 - 2018) - 310.90

- 2019 37.80
- 2020 Insufficient Data
- 2021 Insufficient Data

#### **Notable Storm Events**

- 2009 (Tropical Storm Claudette, Hurricane Ida)
- 2017 (Hurricane Irma, Hurricane Nate)
- 2018 (Hurricane Michael, Hurricane Alberto)
- 2020 (Hurricane Sally)
- 2021 (Tropical Storm Claudette)

### 2009 - 2013 Crashes (OGFC)

- Total 54
- Wet 13
- Percentage Wet 24%
- Crashes per million vehicle-miles (Total) 0.51.
- Crashes per million vehicle-miles (Wet) 0.12

# 2014 REMOVED DUE TO POTENTIAL INCONSISTENCIES DURING CONSTRUCTION

# 2015 - 2019 Crashes (SMA)

- Total 115
- Wet 81
- Percentage Wet 70%
- Crashes per million vehicle-miles (Total) 0.92
- Crashes per million vehicle-miles (Wet) 0.65

#### 2020 - 2021 Crashes

- Total 61
- Wet 46
- Percentage Wet 75%
- Crashes per million vehicle-miles (Total) 1.69
- Crashes per million vehicle-miles (Wet) 1.27

## 5 Year Crash History (2016 - 2021) (MP 137 - 139)

- Total 157 Direction (116 NB, 41 SB) (74% NB, 26% SB)
- Wet 115 Direction (88 NB, 27 SB) (76% NB, 24% SB)
- Percentage Wet 73%
- Crashes per million vehicle-miles (Total) 1.25
- Crashes per million vehicle-miles (Wet) 0.91

# Comparable Section on I-65 Approximately 7 Miles North of Evergreen (2016 – 2021) (MP 104 – 106) (OGFC)

- Total 71 Direction (35 NB, 36 SB) (49% NB, 51% SB)
- Wet 13 Direction (8 NB, 5 SB) (61% NB, 39% SB)
- Percentage Wet 18%
- Crashes per million vehicle-miles (Total) 0.56
- Crashes per million vehicle-miles (Wet) 0.10

# **Crash Rate by Road Length (Last 5 Years)**

- All of I-65 (Within Alabama) Total 17.84
- All of I-65 (Within Alabama) Wet 4.63
- I-65 Segment (MP 137 139) Total 15.70
- I-65 Segment (MP 137 139) Wet 11.50

			I-G	5 1	NP 137- 139 NB \$5B			Butler Co.				
	Year	Rainfall (in)			Champa	Traffic		Crash Data			CMVM	
	Year	Per Year	Cummulative	Average	Storms	AADT	Ave AADT	All	Wet	% WW	All	Wet
OGFC	2009	86.88		61.06	TS Claudette, Hurr Ida	28,340	29,172	54	13	24%	0.51	0.12
	2010	49.58	Times = 1 - 1 - 1 - 1 - 1 - 1			29,450						
	2011	47.84	305.29			28,860						
	2012	56.78				29,370						
	2013	64.21				29,840						
	2014	66.55				30,410		Resurfacing Project				
SMA	2015	51.07		47.03		33,360	34,278	13	4	31%	0.53	0.16
	2016	52.00	282.15			35,130		14	6	43%	0.55	0.23
	2017	71.75			Hurr Irma, Hurr Nate	35,220		25	20	80%	0.97	0.78
	2018	69.53			Hurr Michael, Hurr Alberto	34,778		35	28	80%	1.38	1.10
	2019	37.80				32,902		28	17	61%	1.17	0.71
	2020	Incomplete			Hurr Sally	32,902		24	19	79%	1.00	0.79
	2021	Incomplete			TS Claudette	34,547	33724.55	37	27	73%	2.93	2.14

<sup>\*</sup>Projected Traffic Volumes

ALDOT 000600