

FILE

Submitted By: Chris Lacy Date: 8 / 8 / 12 Recommended: Randy L. Young Date: 8 / 8 / 12
 Engineer of Record

To: Brian Klauk
 Program / Project Manager

BASIS OF DESIGN EXCEPTION

- ☒ Request for Approval of Design Exceptions to AASHTO Guidelines
☒ Request for Approval of Design Exceptions from Standard SCDOT Procedures

PROJECT CHARACTERISTICS

County: CHEROKEE Rd. / Route: I-85 Const. Pin: 039094BR11
 From: MM 104.65 To: MM 104.83
 Length: Crest vertical curve over Norfolk S. RR MPO / COG Appalachian COG
 Work Type: Bridge Replacement
 Functional Classification: Principal Arterial - Rural Interstate

Group Designation: (1 ☐ / 2 ☐ / 3 ☐ / 4 ☐) (if applicable)

Type of Terrain: (Level ☐ / Rolling ☒ / Mountainous ☐)

Design Speed: 70 (mph)

<u>2012</u>	ADT	<u>49400</u>
<u>2032</u>	ADT	<u>70900</u>
TRUCKS <u>30</u> %		

CRASH ANALYSIS

(Attach additional sheets with accident history data)

TOTAL PROJECT ESTIMATE (\$) 10.2M

CHECK APPROPRIATE BOX(ES) FOR DESIGN EXCEPTIONS(S)

- | | | |
|--|---|---|
| <input type="checkbox"/> Design Speed | <input checked="" type="checkbox"/> Maximum Grade | <input type="checkbox"/> Travel Lane Width |
| <input type="checkbox"/> Horizontal Alignment | <input type="checkbox"/> Vertical Clearance | <input type="checkbox"/> Shoulder Width |
| <input type="checkbox"/> Minimum Radii | <input type="checkbox"/> Bridge Width | <input type="checkbox"/> Horizontal Clearances |
| <input type="checkbox"/> Vertical Alignment | <input type="checkbox"/> Structural Capacity | <input checked="" type="checkbox"/> Stopping Sight Distance |
| <input checked="" type="checkbox"/> Level SSD K-Values | <input type="checkbox"/> Superelevation Rate | |
| | <input type="checkbox"/> Cross Slope | |
| | <input type="checkbox"/> Travel Lanes | |
| | <input type="checkbox"/> Shoulders | |

DESCRIBE ELEMENT(S) FOR DESIGN EXCEPTION(S)

(Attach additional Sheets as needed) Stopping sight distance (SSD) is calculated to be 511' based on the vertical alignment of the subgrade (File 11.294). Based on values of SSD in the 2001 AASHTO Policy on Geometric Design of Highways and Streets and the 2003 Highway Design Manual 511' SSD (level grade) correlates to 56 mph. If adjusted for grade, 511' meets 53 mph. The existing 4.5% grade from sta. 2168+50 to sta. 2184+00 exceeds the maximum grade of 4% specified by 2005 AASHTO A Policy on Design Standards Interstate System. The Policy also specifies a design speed of 70 mph for rural interstates. See attachment for additional discussion.

JUSTIFICATION FOR DESIGN EXCEPTION(S)

(Attach additional Sheets as needed) The scope of this project is to replace the existing southbound and northbound bridges due to structural deficiencies. In order to meet current design standards for K value and maximum grade, the vertical alignment would require significant reconstruction in conjunction with a horizontal alignment shift to meet 70 mph. The existing vertical geometry at this location is consistent with other grades and curves along I-85 in Cherokee County. SCDOT performed a crash analysis for this section of I-85 and compared it to other interstate sections with similar geometry, ADT and other variables. Collision studies indicated the existing vertical geometry does not have a significant impact on crashes.

DESCRIBE STEPS TO ELIMINATE DESIGN EXCEPTION(S), INCLUDE COST

(Attach additional Sheets as needed) In order to meet AASHTO's Interstate Design Standards policy for rural interstates a design speed of 70 mph and a maximum grade of 4% would be required. Due to the traffic staging requirements a horizontal alignment shift would be required in order to flatten the grade and provide SSD for 70 mph. An additional 15-20' of embankment would be required to provide vertical clearance over the railroad. It is estimated the horizontal alignment would shift approximately 75' unless reinforced walls were used to retain the slopes. The cost for this work is estimated to be \$3.65M which does not include additional right of way costs.

HOW WILL FUTURE CONSTRUCTION IMPACT DESIGN EXCEPTION(S)?

(Attach additional Sheets as needed) Future construction would evaluate the need to improve vertical geometry to applicable standards at that time.

RECORD OF DECISION

☒ For
☐ Against

[Signature] 8 / 9 / 12
(Regional Design Manager /
Program Manager / DEA) Date

☒ For
☐ Against

[Signature] 8 / 14 / 12
(Regional Production Engineer) Date

☒ Approved
☐ Denied

[Signature] 8 / 15 / 12
(Director of Preconstruction) Date

☒ Concur

[Signature] 8 / 30 / 12
FHWA (NHS Routes > \$50 million & All Interstate)

cc:
Director of Preconstruction
FHWA
Preconstruction Support Engineer
Regional Production Group Engineer
District Engineering Administrator
Director of Traffic Engineering

Additional Information

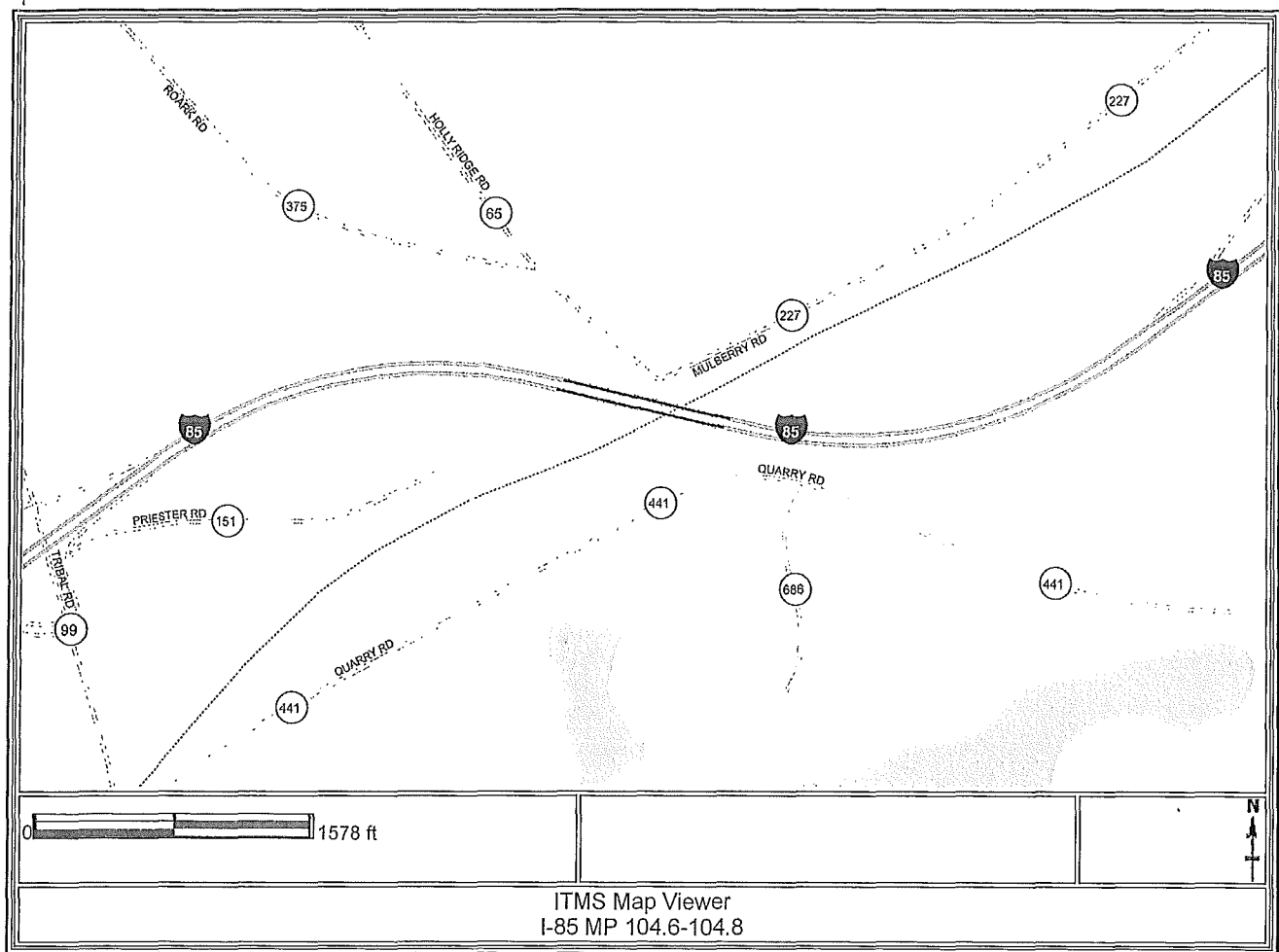
Interstate 85 was originally constructed in 1961. From review of the vertical alignment of I-85 in Cherokee County 9 grades exceed 4%. Of the nine, 3 exceed 5% of which 1 is 6%. The approach grades for this location are 4.5% northbound and 3% southbound. These grades are consistent with other vertical grades in Cherokee County.

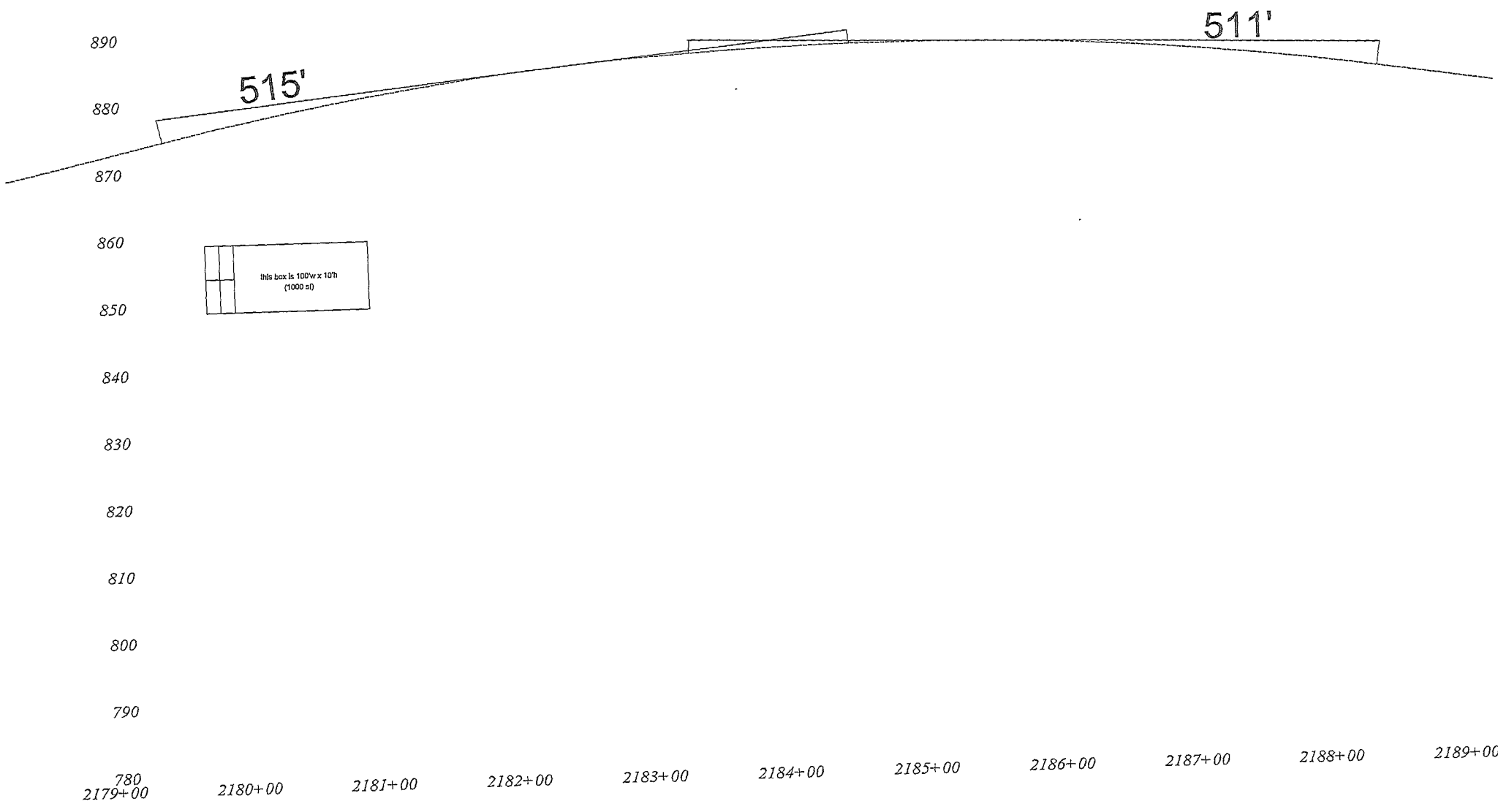
Maximum Grade – Thru discussions with Federal Highway Administration (FHWA) SCDOT reviewed the critical length of grade of I-85 at this location. The approaching grades of I-85 are 4.5% northbound and 3% southbound. Based on review of existing plans (File 11.294) the critical length of grade is exceeded for both northbound and southbound I-85. From review of the crash data at this location no records indicated rear end collision occurring that could be attributed to trucks slowing due to vertical geometry. An analysis of the truck-climbing lane warrants in HDM Section 12.4.1.2 (attached) shows that the warrants are not met to include a truck-climbing lane. Due to lack of crash history, the increased scope and cost of adding truck-climbing lanes to this project, the nature of the funding being bridge replacement, potential environmental and right of way impacts, it is recommended to proceed replacing the northbound and southbound bridge and reconstruct the approach roadway lanes without adding truck passing lanes. Mitigation strategies that will be implemented include rumble strips, breakaway safety hardware, paved shoulders, clear recovery area or barrier to prevent or reduce the severity of lane departure crashes.

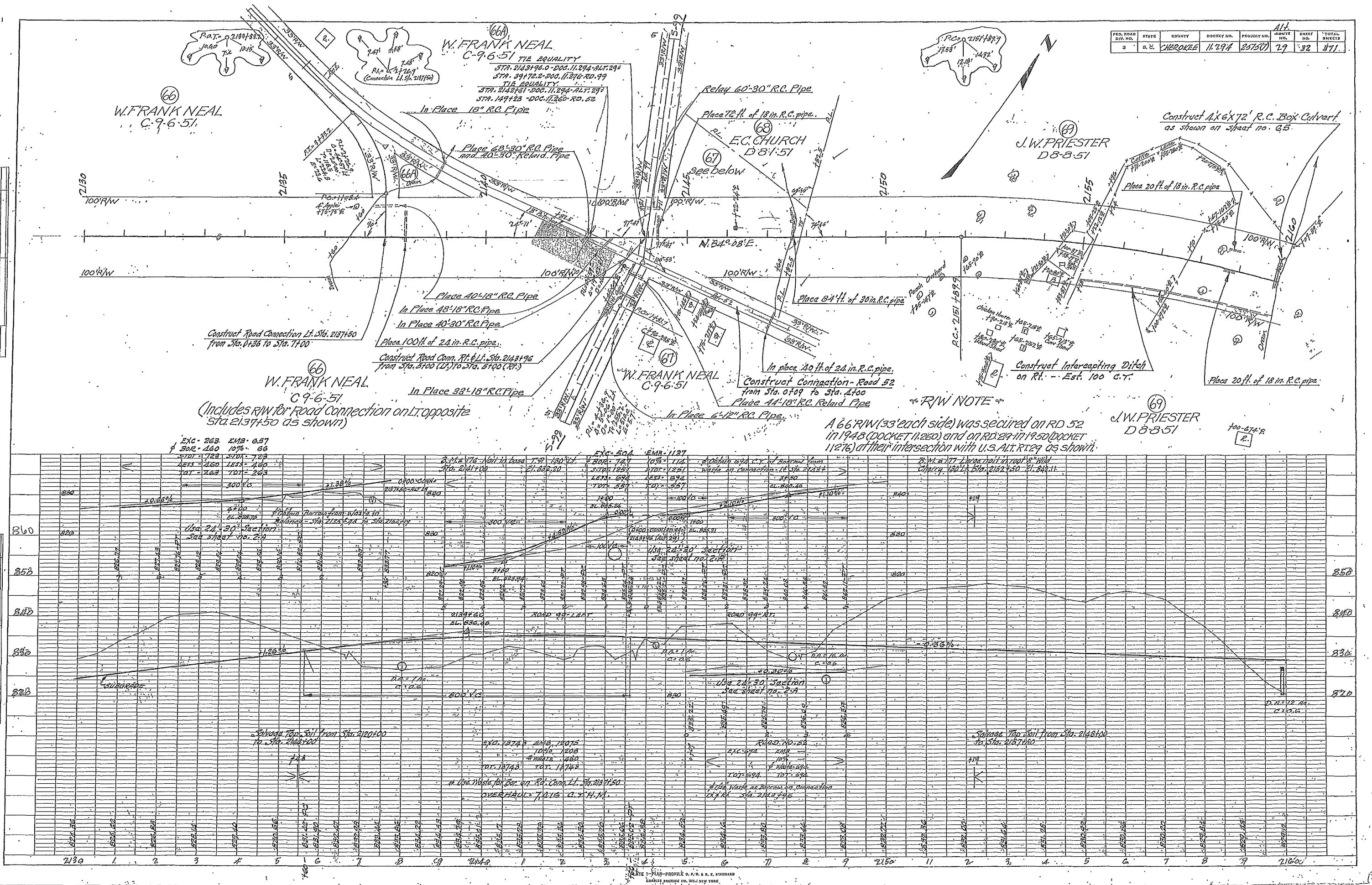
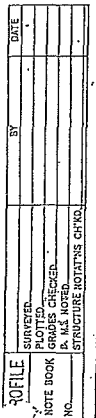
This design exception provides the Engineer of Record the ability to use up to a 4.5% grade from station 2168+50 to station 2184+00 (file 11.294) in order to tie to the existing alignments. Outside of this station range the vertical grade cannot exceed current standards. The Engineer of Record is also required to ensure mitigation strategies discussed above are included in the project.

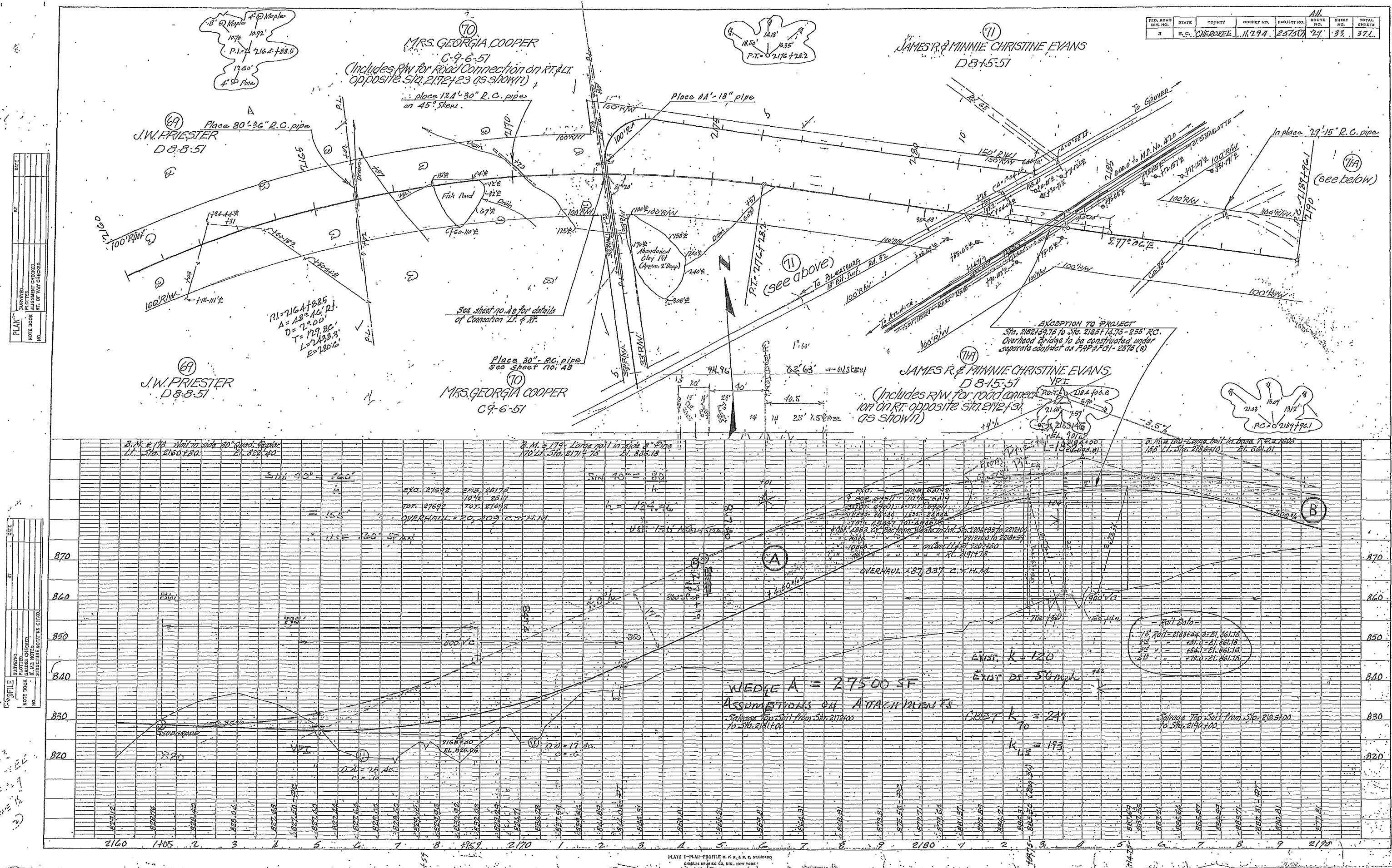
Level Stopping Sight Distance K-values – Advance warning sign W7-6 “Hill Blocks View” with a speed advisory plaque was considered as mitigation. This advance warning sign in this instance are not deemed beneficial. The rare use of the W7-6 sign along the I-85 corridor in South Carolina and the remainder of the state may not adequately communicate to drivers of the sight distance restriction. Additionally, this sign typically mitigates for restricted sight distance in cases of intersecting roads or drives over the crest. Since access is controlled on I-85, there are no intersecting drives or roads. Mitigation includes standard shoulder widths for this type of facility that exceeds those for non-controlled access highways and clear recovery areas consistent with the roadside design guide.

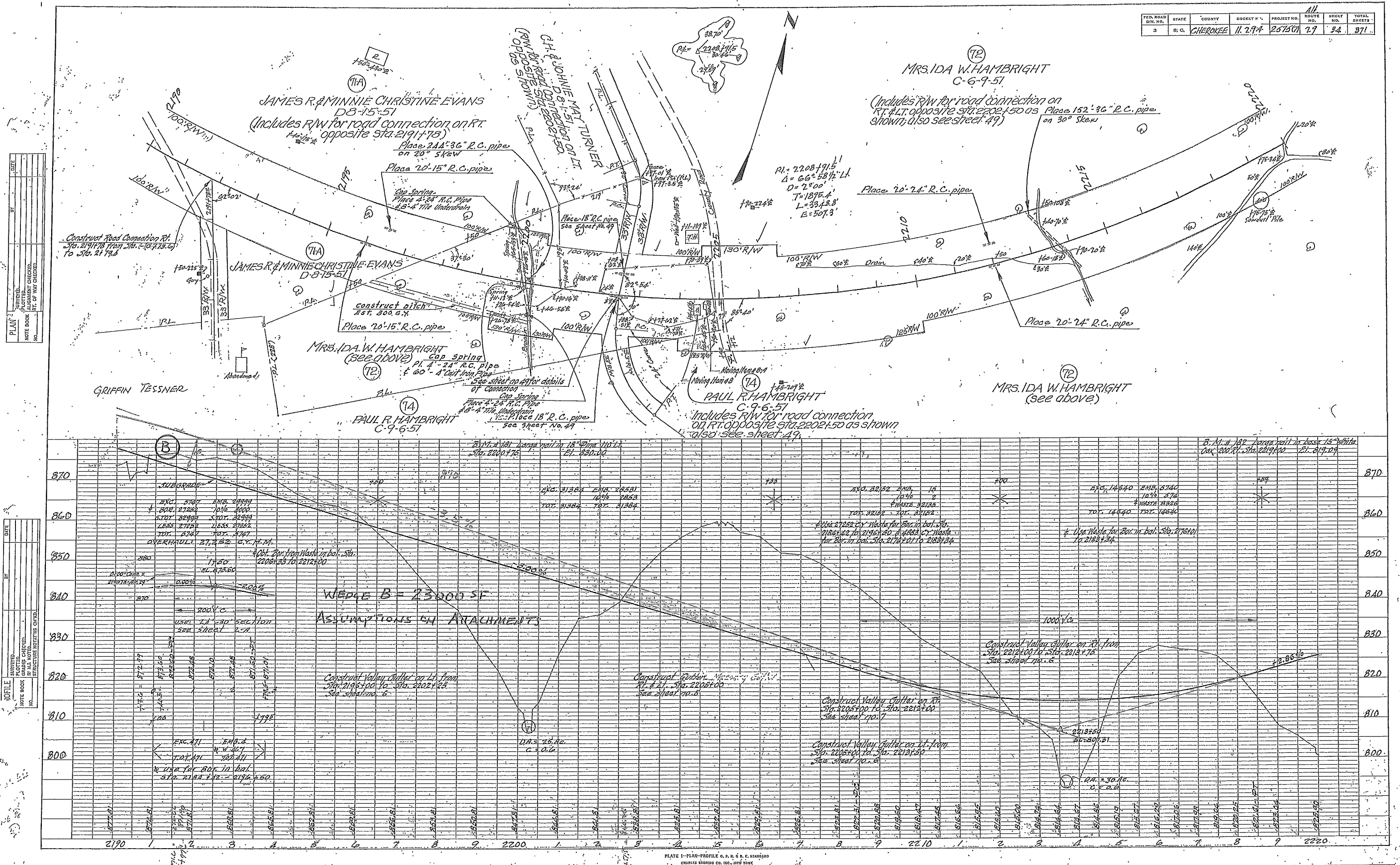
This design exception provides the Engineer of Record the ability to utilize the existing stopping sight distance for the vertical curve at station 2184+00 (file 11.294) to replace the bridge over NS Railway. The Engineer of Record is also required to ensure mitigation strategies discussed above are included in the project.







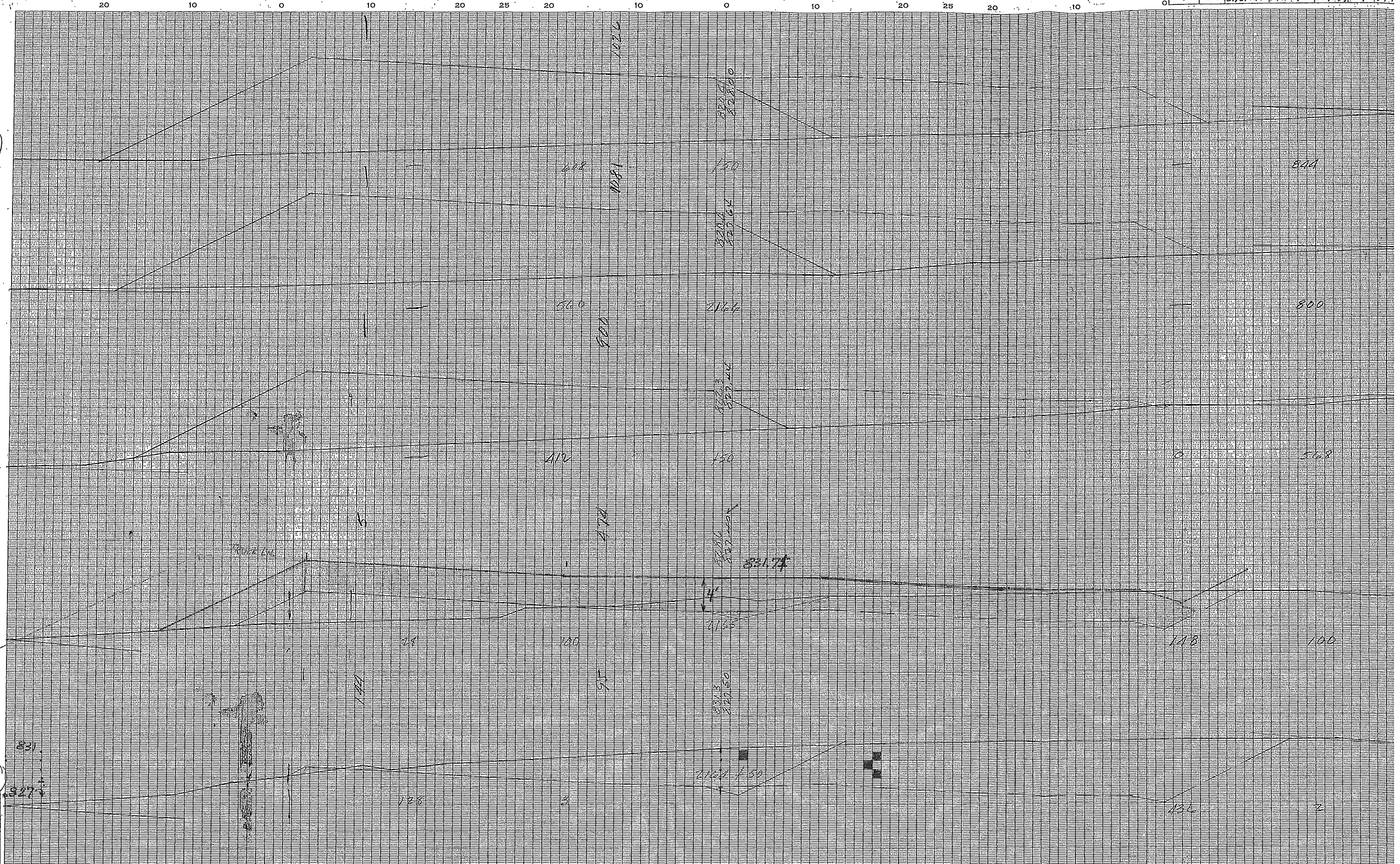




CROSS SECTION

SCALE 1 INCH = 5 FEET

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S. C.	Cherokee	11,294	25050	29	274



1.37

rec.
1263
29

1.37

Plotted by
Checked by
ons Plotted by
Checked by
by
ons Revised by
Checked by

STAGE 2

~ 75'

CROSS SECTION

SCALE 1 INCH=5 FEET

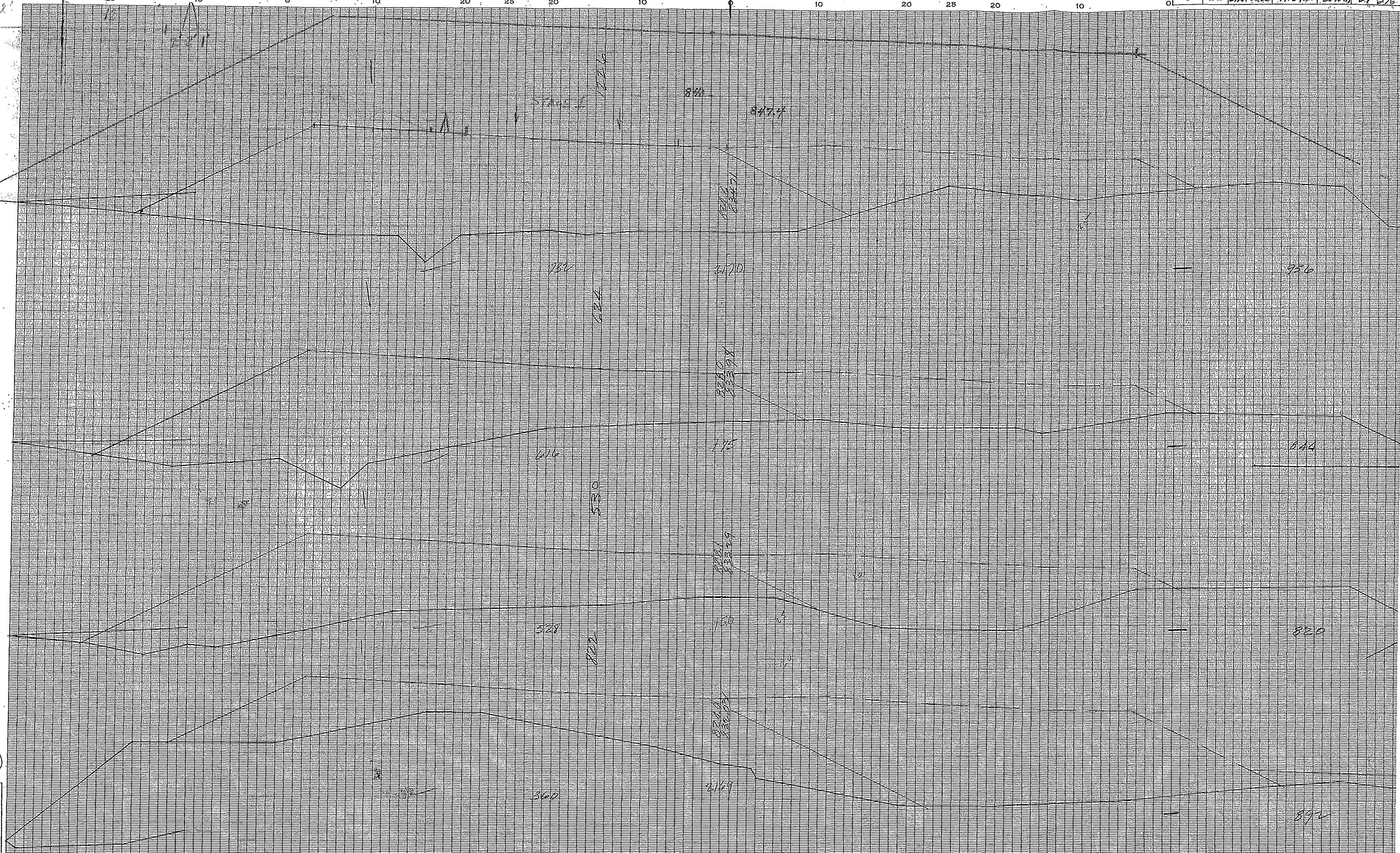
FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S. C.	Cherokee	11,294	25750	29	276

20 10 0 10 20 25 20 10 0 10 20 25 20 10

(1.31)

(1.37)

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CROSS SECTION

SCALE 1 INCH=5 FEET

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	Cherokee	11-294	257511	29	279	371

20 10 0 10 20 25 20 10 0 10 20 25 20 10 0

22. 5048 on 21.1
344 21.27 485.2

2737

300.3
442.31

1816

2177

2975

3037

207.4
353.51

1441

2176

2410

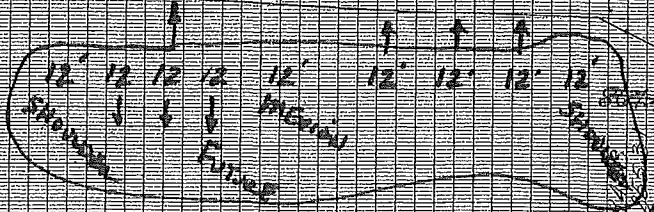
2412

207.4
353.51

873.27
1077

873.27
- 855.31
17.96'

$(17.96' \times 108') = 1949.28'$



2045

$(\frac{1}{2}) \times 231 = 115.5$

34

by
by
by

49

219

2175

1674

74

CHEROKEE I- 85 - MPT 104.000 - 105.000

01/01/2007 - 12/31/2010 (4.0 years)

Generated by WILLIAMSCL on 10/19/2011

Total Crashes: 42

Fatality Crashes:	0	Rear End:	5
Injury Crashes:	5	Angle:	3
PDO Crashes:	37	Sideswipe:	4
		Head On:	0
Light Crashes:	21	Run Off Road:	27
Dark Crashes:	21	Other:	2
		Animal:	1
Dry Crashes:	18	Bicycle:	0
Wet Crashes:	24	Pedestrian:	0

AADT:	41600	Length:	1.000
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Cherokee County 100 mi 104.0 to 105.0

Legend:

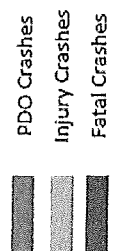
- PDO Crashes
- Injury Crashes
- Fatal Crashes

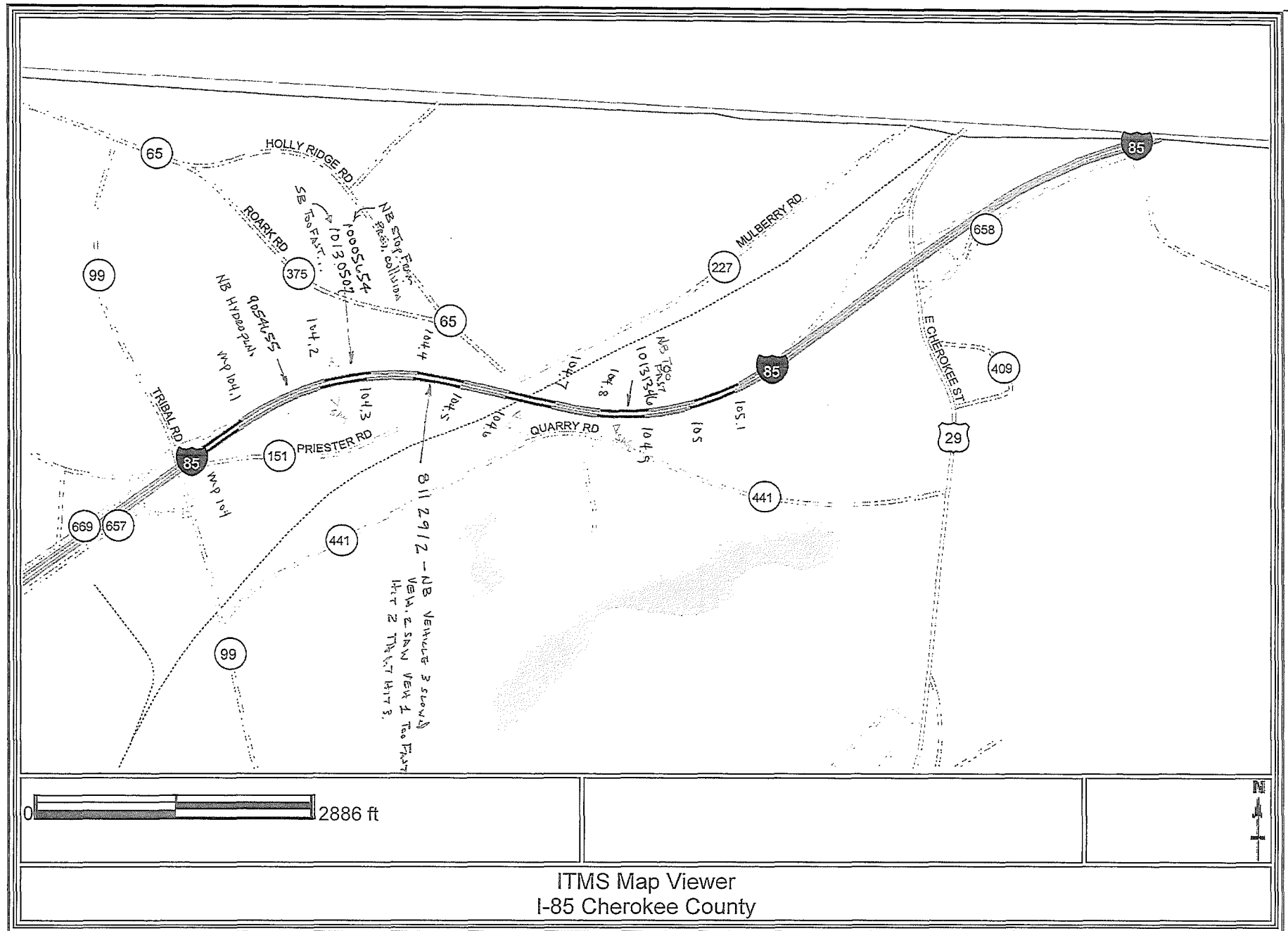
Map Labels:

- RDA RD
- HOLLY RIDGE RD
- MILLER RD
- FORESTER RD
- FOREST RD
- 373
- 65
- 227
- 85
- 441
- 151
- 99

Crash Data (Number of Crashes):

Location (Mile Marker)	PDO Crashes	Injury Crashes	Fatal Crashes
1	1	0	0
2	1	0	0
3	1	1	0
4	1	0	0
5	1	0	0
6	1	0	0
7	1	0	0
8	1	1	0
9	1	0	0
10	1	0	0





Section Crashes

MPT 104.000 to 104.100 (Stack #1)

Total Crashes: 3	Light: 2	Dark: 1	Dry: 2	Wet: 1	Fatalities: 0	Injuries: 0	PDO: 3
7003725	DAYLIGHT		ICE	INJ0	NOT COLLISION W/MOTOR VEHICLE		
8131659	DAYLIGHT		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		
8144325	DARK (NO LIGHTS)		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		

11/10/17
ATTACHED

MPT 104.100 to 104.200 (Stack #2)

Total Crashes: 4	Light: 3	Dark: 1	Dry: 3	Wet: 1	Fatalities: 0	Injuries: 0	PDO: 4
7030549	DAYLIGHT		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		
8074462	DAYLIGHT		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		
8131534	DARK (NO LIGHTS)		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		
✓ 9054655	DAYLIGHT		WET	INJ0	REAR END		

YES

MPT 104.200 to 104.300 (Stack #3)

Total Crashes: 11	Light: 4	Dark: 7	Dry: 2	Wet: 9	Fatalities: 0	Injuries: 2	PDO: 9
8027333	DARK (NO LIGHTS)		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
8045406	DARK (NO LIGHTS)		DRY	INJ0	REAR END		
8074464	DAYLIGHT		DRY	INJ0	SIDESWIPE SAME DIRECTION		
9038120	DARK (NO LIGHTS)		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
9071581	DAYLIGHT		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
9071582	DAYLIGHT		WET	INJ1	NOT COLLISION W/MOTOR VEHICLE		
9118322	DARK (NO LIGHTS)		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
9145734	DAYLIGHT		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
10005653	DARK (NO LIGHTS)		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
✓ 10005654	DARK (NO LIGHTS)		WET	INJ0	REAR END		
✓ 10130507	DARK (NO LIGHTS)		WET	INJ1	REAR END		

YES
YES

MPT 104.300 to 104.400 (Stack #4)

Total Crashes: 4	Light: 2	Dark: 2	Dry: 1	Wet: 3	Fatalities: 0	Injuries: 0	PDO: 4
7000774	DARK (NO LIGHTS)		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
7021797	DARK (NO LIGHTS)		WET	INJ0	ANGLE 2		
8142913	DAYLIGHT		WET	INJ0	NOT COLLISION W/MOTOR VEHICLE		
10120136	DAYLIGHT		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		

MPT 104.400 to 104.500 (Stack #5)

Total Crashes: 4	Light: 1	Dark: 3	Dry: 4	Wet: 0	Fatalities: 0	Injuries: 1	PDO: 3
✓ 8112912	DAYLIGHT		DRY	INJ0	REAR END		
8144326	DARK (NO LIGHTS)		ICE	INJ0	NOT COLLISION W/MOTOR VEHICLE		
9000547	DARK (NO LIGHTS)		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		
10065281	DARK (NO LIGHTS)		DRY	INJ2	ANGLE 3		

YES

MPT 104.500 to 104.600 (Stack #6)

Total Crashes: 1	Light: 0	Dark: 1	Dry: 1	Wet: 0	Fatalities: 0	Injuries: 0	PDO: 1
7001611	DARK (NO LIGHTS)		DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE		

Section Crashes

MPT 104.600 to 104.700 (Stack #7)

Total Crashes: 2 Light: 2 Dark: 0 Dry: 0 Wet: 2 Fatalities: 0 Injuries: 0 PDO: 2

7003732	DAWN	ICE	INJ0	NOT COLLISION W/MOTOR VEHICLE
10151114	DAYLIGHT	WET	INJ0	NOT COLLISION W/MOTOR VEHICLE

MPT 104.700 to 104.800 (Stack #8)

Total Crashes: 7 Light: 2 Dark: 5 Dry: 2 Wet: 5 Fatalities: 0 Injuries: 2 PDO: 5

7017092	DARK (NO LIGHTS)	WET	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
7097708	DARK (NO LIGHTS)	DRY	INJ1	SIDESWIPE SAME DIRECTION	✓
9130212	DARK (STREET LAMP NOT LIT)	WET	INJ0	SIDESWIPE SAME DIRECTION	✓
9143535	DARK (NO LIGHTS)	SLUSH	INJ1	NOT COLLISION W/MOTOR VEHICLE	✓
10005655	DARK (NO LIGHTS)	WET	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
10125253	DAYLIGHT	WET	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
10151295	DAYLIGHT	DRY	INJ0	SIDESWIPE SAME DIRECTION	✓

MPT 104.800 to 104.900 (Stack #9)

Total Crashes: 5 Light: 4 Dark: 1 Dry: 3 Wet: 2 Fatalities: 0 Injuries: 0 PDO: 5

7000771	DARK (NO LIGHTS)	WET	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
9014114	DAYLIGHT	DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
9029048	DAYLIGHT	DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
10013088	DAYLIGHT	DRY	INJ0	NOT COLLISION W/MOTOR VEHICLE	✓
10131346	DUSK	WET	INJ0	REAR END	✓

MPT 104.900 to 105.000 (Stack #10)

Total Crashes: 1 Light: 1 Dark: 0 Dry: 0 Wet: 1 Fatalities: 0 Injuries: 0 PDO: 1

9030652	DAYLIGHT	WET	INJ0	NOT COLLISION W/MOTOR VEHICLE
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DPR USE ONLY 09054655		Page # 1		SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM FD-920 (Rev. 5-22-01)		# Of <input checked="" type="checkbox"/> On <input type="checkbox"/> Off ASRU code 1658 1728	
Date 05/24/2009	Time 1650	County 11	Interstate 4-Secondary 2-US Primary 5-County 3-SC Primary	Collision Location (Rt. # / Name) 85		Main 6-Connection 2-Alternate 7-Business 5-Spur	
Milest. 1 Dir. 2 2.00 E S W		Jct./Year City or Town of B/20056ms		ASRU code MP1Gnd			
Lane # / Dir. #1 N E #2 S W		Distance Offset 30 Feet	Direction S W	Base Intersection (Rt. # / Name) 99		Main 6-Connection 2-Alternate 7-Business 5-Spur	
R.R. Id. NJA		From N E	Ramp Only 1-Entrance N E S W 2-Exit	Second Intersection (Rt. # / Name) 29		Main 6-Connection 2-Alternate 7-Business 5-Spur	
1-Interstate 4-Secondary 2-US Primary 5-County 3-SC Primary 6-Other		1-Interstate 4-Secondary 2-US Primary 5-County 3-SC Primary 6-Other		Latitude 35° 09' 32.40"		Longitude 91° 28' 36.30"	
Z-238981 Driver/Participant's Full Name Alicia - Naomi Unit # Sex Race Street 1 F H 100 Buttercup Way Apt 90 Birth Date City, State, & Zip 02-10-1978 Taylors SC 29687 State Driver's License # Insurance Company SC 007801804 (D) Peak Property Casualty Year Body Vehicle Make VIN # 2004 SUV Ford 1FMYU0315YK675233 State Year License Plate # Owner's D.L. # SC 2009 AW 152 007801804 Home Telephone City, State, & Zip 803 751-8008 Bus. Telephone City, State, & Zip N/A Contributed To Collision City, State, & Zip No Estimated Speed C.D.L. Rtg. Yes (No) T/O S Rtg. Yes (No) Alcotrig info (see back): Yes (No) SO 65 N/A N/A N/A Code Summoned # Code Towed By N/A N/A N/A				Z-238982 Driver/Participant's Full Name Legally Parked Unit # Sex Race Street 2 Birth Date City, State, & Zip State Driver's License # Insurance Company Year Body Vehicle Make VIN # 1998 Dodge Dakota 7B3BAU52N8WE140078 State Year License Plate # Owner's D.L. # SC 2000 DL6449 101060145 Home Telephone City, State, & Zip 803 491-6020 Wiseman Kyron Kennedy Bus. Telephone City, State, & Zip N/A 3214 Chesnee Hwy Contributed To Collision City, State, & Zip Yes 29341 Estimated Speed C.D.L. Rtg. Yes (No) T/O S Rtg. Yes (No) Alcotrig info (see back): Yes (No) 0 65 N/A N/A N/A Code Summoned # Code Towed By N/A N/A N/A			
Z-238983 Driver/Participant's Full Name Unit # Sex Race Street A Birth Date City, State, & Zip State Driver's License # Insurance Company Year Body Vehicle Make VIN # Dir. of Travel: Unit 1: (N) S E W Unit 2: (N) S E W Unit 3: N S E W 				Home Telephone City, State, & Zip Owner's Full Name Bus. Telephone City, State, & Zip Contributed To Collision City, State, & Zip Yes No Estimated Speed C.D.L. Rtg. Yes (No) T/O S Rtg. Yes (No) Alcotrig info (see back): Yes (No) 2500 1000 N/A N/A N/A Code Summoned # Code Towed By Property Owner/Witness Address City, State, & Zip State Zip Phone Photo: Describe What Happened (Refer to Units by Number) Y 1 Unit one was traveling north on I-85 Driver of unit one driving to fast for conditions hydroplane after striking a heavy amount of water off highway. Unit one out of control struck unit two in the rear. Unit two was a legally parked vehicle in the north bound emergency lane of I-85.			

Unit	Date of Birth	Sex	Race	NU	Start	RSD	ABD	EJAC	LAJ	Trn	Name	Street Address	Zip Code
1	02-10-1975	F	H	01	01	13	4/3	1	1	21			
1	05-30-1994	M	H	01	01	13	4/3	1	1	21			
1	11-11-1997	M	H	01	06	13	4/3	1	1	21			
2	03-10-1969	F	W	01	01	13	4/3	1	1	21			

Race	A - Asian/Pacific Islander	W - Caucasian	U - Other	of Injury Status	2- Non-Incapacitating	Seating Loc.	20- Pedestrian	60- Sleeper of Cab	Restraint/Safety Device
B - African American	H - Hispanic	U - Other	0- Not Injured	3- Incapacitating	01 02 03	20- Training Unit	70- Riding on Unit Exterior	80- None Used	21- Child
A - Mexican Native or American Indian	U - Other	0- Not Injured	01 02 03	4- Fatal	04 05 06	40- Bus Van (4th row or Higher)	80- Lap	11- Shoulder Belt Only	31- Safety Seat
Alt. Bag Deployment / Switch	Ejection	Head Injury	07 08 09	5- Motorist	07 08 09	50- Other Enclosed (permitted)	90- Uni-RA	12- Lap Rest Only	61- Other
1- Deployed From Aerial Deployed	1- Not Ejected	Head Injury	1- Yes	2- No	51- Other Unenclosed Area (Installing)	01- Transported to Medical Facility	31- Unknown	13- Shoulder 5 Lap Rest	91- Other
2- Deployed Side 2-Not Applicable	2- Post. Ejected	Location After Impact	3- Faced (non-mech)	4- Not Applicable	01- Transported to Medical Facility	1- Yes	2- No	31- Unknown	91- Other
3- Deployed Both 3-Deployment Unit	3- Tot. Ejected	1- Not Trapped	5- Unknown	6- Unknown	01- Transported to Medical Facility	1- Yes	2- No	31- Unknown	91- Other
4- Switch in Off Position 3- No Switch	4- Not App.	2- Extruded (Mechanical Means)	3- Unknown	4- Unknown	01- Transported to Medical Facility	1- Yes	2- No	31- Unknown	91- Other
5- Switch in Off Position 3- Unknown	5- Unk.	Sequence of Events	01- Pedestrian	02- Pedestrian	03- Pedestrian	04- Pedestrian	05- Pedestrian	06- Pedestrian	07- Pedestrian
Non-Collision	01- Equipment Failure	02- Equipment Failure	03- Equipment Failure	04- Equipment Failure	05- Equipment Failure	06- Equipment Failure	07- Equipment Failure	08- Equipment Failure	09- Equipment Failure
01- Cargo/Load Shift or Shift	02- Fire/Explosion 03- Overturn/Rollover	04- Fire/Explosion 03- Overturn/Rollover	05- Fire/Explosion 03- Overturn/Rollover	06- Fire/Explosion 03- Overturn/Rollover	07- Fire/Explosion 03- Overturn/Rollover	08- Fire/Explosion 03- Overturn/Rollover	09- Fire/Explosion 03- Overturn/Rollover	10- Fire/Explosion 03- Overturn/Rollover	11- Fire/Explosion 03- Overturn/Rollover
01- Cargo/Load Shift or Shift	02- Fire/Explosion 03- Overturn/Rollover	04- Fire/Explosion 03- Overturn/Rollover	05- Fire/Explosion 03- Overturn/Rollover	06- Fire/Explosion 03- Overturn/Rollover	07- Fire/Explosion 03- Overturn/Rollover	08- Fire/Explosion 03- Overturn/Rollover	09- Fire/Explosion 03- Overturn/Rollover	10- Fire/Explosion 03- Overturn/Rollover	11- Fire/Explosion 03- Overturn/Rollover
01- Cargo/Load Shift or Shift	02- Fire/Explosion 03- Overturn/Rollover	04- Fire/Explosion 03- Overturn/Rollover	05- Fire/Explosion 03- Overturn/Rollover	06- Fire/Explosion 03- Overturn/Rollover	07- Fire/Explosion 03- Overturn/Rollover	08- Fire/Explosion 03- Overturn/Rollover	09- Fire/Explosion 03- Overturn/Rollover	10- Fire/Explosion 03- Overturn/Rollover	11- Fire/Explosion 03- Overturn/Rollover
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I.P.S. Use Only 10005654		Page 1 Of 1		SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM TP-213 (Rev. 01/20/91)		# of Units 2		Arrested - Month at Original Report 2		Arrested - Month at Original Report 2		Notified 2116		Retrieved 2135			
Date 01-24-2010	Time 2105	County 11	1-Interstate 2-US Primary 3-County 4-Secondary 5-County 6-Primary		Collision Location (Rt. # / Name) 8 85		C-Chain 6-Connection 7-Business 8-Alternate 9-Other		Miles 2.0		Dir. 19 E		Near City or Town at: Blacksburg				
Unit # / On 1A		Distance 18	Direction W	1-Interstate 2-US Primary 3-County 4-Secondary 5-County 6-Other	Base Intersection (Rt. # / Name) 99		C-Chain 6-Connection 7-Business 8-Alternate 9-Other		ASRU code IMPC01		Latitude 36° 29' 34.10"		Longitude 81° 28' 33.90"				
R.R. ID NA		From N E	Ramp 1	1-Interstate 2-US Primary 3-County 4-Secondary 5-County 6-Other	Second Intersection (Rt. # / Name) 29		C-Chain 6-Connection 7-Business 8-Alternate 9-Other				Latitude 36° 29' 34.10"		Longitude 81° 28' 33.90"				
X-281164		Driver/Operator's Full Name Nduka - Eose Mmotsi				X-281165		Driver/Operator's Full Name Browning - Jamie Lee									
Unit #	Sex	Race	Street	Insurance Company		Unit #	Sex	Race	Street	Insurance Company							
1	F	B	2741 Fairstone Ave.	Liberty Mutual		2	F	W	7565 Moffett Rd Lot 8	ALFA Mutual							
Birth Date 09-27-1973		City, State, & Zip Charlotte NC 28269				Birth Date 08-31-1971		City, State, & Zip Mobile AL 36618									
State	Driver's License #	Vehicle Make		Year	Body	State	Driver's License #	Vehicle Make		Year	Body						
NC	2127376 (C)	Liberty Mutual		2002	45 Chevy	AL	7648018 (D)	ALFA Mutual		2003	500 Miss						
State	Year	License Plate #	Owner's D.L. #			State	Year	License Plate #	Owner's D.L. #								
NC	2010	BAFANA	2122376			AL	2008	2A35619	7648018								
Home Telephone (204) 466 8140		Owner's Full Name Nduka - Eose Mmotsi				Home Telephone (251) 366 9911		Owner's Full Name Browning - Jamie Lee									
Bus. Telephone (204) 466 8140		Street 2741 Fairstone Ave				Bus. Telephone (251) 366 9911		Street 7565 Moffett Rd Lot 8									
Contributed To Collision Yes		City, State, & Zip Charlotte NC 28269				Contributed To Collision Yes		City, State, & Zip Mobile AL 36618									
Estimated Speed 00	Speed Limit 65	C.O.D. Race NA	Yes/No NA	Code Towed By NA			Estimated Speed 60	Speed Limit 65	C.O.D. Race NA	Yes/No NA	Code Towed By NA						
X-281166		Driver/Operator's Full Name				X-281167		Driver/Operator's Full Name									
Unit #	Sex	Race	Street	Insurance Company		Unit #	Sex	Race	Street	Insurance Company							
1A	F	B	2741 Fairstone Ave	Liberty Mutual		2	F	W	7565 Moffett Rd Lot 8	ALFA Mutual							
Birth Date 09-27-1973		City, State, & Zip Charlotte NC 28269				Birth Date 08-31-1971		City, State, & Zip Mobile AL 36618									
State	Driver's License #	Vehicle Make		Year	Body	State	Driver's License #	Vehicle Make		Year	Body						
NC	2127376 (C)	Liberty Mutual		2002	45 Chevy	AL	7648018 (D)	ALFA Mutual		2003	500 Miss						
State	Year	License Plate #	Owner's D.L. #			State	Year	License Plate #	Owner's D.L. #								
NC	2010	BAFANA	2122376			AL	2008	2A35619	7648018								
Home Telephone (204) 466 8140		Owner's Full Name Nduka - Eose Mmotsi				Home Telephone (251) 366 9911		Owner's Full Name Browning - Jamie Lee									
Bus. Telephone (204) 466 8140		Street 2741 Fairstone Ave				Bus. Telephone (251) 366 9911		Street 7565 Moffett Rd Lot 8									
Contributed To Collision Yes		City, State, & Zip Charlotte NC 28269				Contributed To Collision Yes		City, State, & Zip Mobile AL 36618									
Estimated Speed 00	Speed Limit 65	C.O.D. Race NA	Yes/No NA	Code Towed By NA			Estimated Speed 60	Speed Limit 65	C.O.D. Race NA	Yes/No NA	Code Towed By NA						

[illegible]

ORIGINAL

20100040012010004001

ORIGINAL

SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM (REV. 10-20-01)										F.C. Code		Injured Person		Injured Party Code	
Page 1 of 1										Unins		Insured		Insured	
Date: 08/11/2012										3		07/04		07/05	
Time: 11:00 AM										3		07/04		07/05	
Location: 85										3		07/04		07/05	
Collision Location (RL # / Name)										3		07/04		07/05	
Base Intersection (RL # / Name)										3		07/04		07/05	
Secondary Intersection (RL # / Name)										3		07/04		07/05	
Vehicle 1: 2006 TR										3		07/04		07/05	
Vehicle 2: 2006 TR										3		07/04		07/05	
Vehicle 3: 2006 TR										3		07/04		07/05	
Vehicle 4: 2006 TR										3		07/04		07/05	
Vehicle 5: 2006 TR										3		07/04		07/05	
Vehicle 6: 2006 TR										3		07/04		07/05	
Vehicle 7: 2006 TR										3		07/04		07/05	
Vehicle 8: 2006 TR										3		07/04		07/05	
Vehicle 9: 2006 TR										3		07/04		07/05	
Vehicle 10: 2006 TR										3		07/04		07/05	
Vehicle 11: 2006 TR										3		07/04		07/05	
Vehicle 12: 2006 TR										3		07/04		07/05	
Vehicle 13: 2006 TR										3		07/04		07/05	
Vehicle 14: 2006 TR										3		07/04		07/05	
Vehicle 15: 2006 TR										3		07/04		07/05	
Vehicle 16: 2006 TR										3		07/04		07/05	
Vehicle 17: 2006 TR										3		07/04		07/05	
Vehicle 18: 2006 TR										3		07/04		07/05	
Vehicle 19: 2006 TR										3		07/04		07/05	
Vehicle 20: 2006 TR										3		07/04		07/05	
Vehicle 21: 2006 TR										3		07/04		07/05	
Vehicle 22: 2006 TR										3		07/04		07/05	
Vehicle 23: 2006 TR										3		07/04		07/05	
Vehicle 24: 2006 TR										3		07/04		07/05	
Vehicle 25: 2006 TR										3		07/04		07/05	
Vehicle 26: 2006 TR										3		07/04		07/05	
Vehicle 27: 2006 TR										3		07/04		07/05	
Vehicle 28: 2006 TR										3		07/04		07/05	
Vehicle 29: 2006 TR										3		07/04		07/05	
Vehicle 30: 2006 TR										3		07/04		07/05	
Vehicle 31: 2006 TR										3		07/04		07/05	
Vehicle 32: 2006 TR										3		07/04		07/05	
Vehicle 33: 2006 TR										3		07/04		07/05	
Vehicle 34: 2006 TR										3		07/04		07/05	
Vehicle 35: 2006 TR										3		07/04		07/05	
Vehicle 36: 2006 TR										3		07/04		07/05	
Vehicle 37: 2006 TR										3		07/04		07/05	
Vehicle 38: 2006 TR										3		07/04		07/05	
Vehicle 39: 2006 TR										3		07/04		07/05	
Vehicle 40: 2006 TR										3		07/04		07/05	
Vehicle 41: 2006 TR										3		07/04		07/05	
Vehicle 42: 2006 TR										3		07/04		07/05	
Vehicle 43: 2006 TR										3		07/04		07/05	
Vehicle 44: 2006 TR										3		07/04		07/05	
Vehicle 45: 2006 TR										3		07/04		07/05	
Vehicle 46: 2006 TR										3		07/04		07/05	
Vehicle 47: 2006 TR										3		07/04		07/05	
Vehicle 48: 2006 TR										3		07/04		07/05	
Vehicle 49: 2006 TR										3		07/04		07/05	
Vehicle 50: 2006 TR										3		07/04		07/05	
Vehicle 51: 2006 TR										3		07/04		07/05	
Vehicle 52: 2006 TR										3		07/04		07/05	
Vehicle 53: 2006 TR										3		07/04		07/05	
Vehicle 54: 200															

ORIGINAL

D.P.S. USE ONLY
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Page 6
Of 1

SOUTH CAROLINA
TRAFFIC COLLISION REPORT FORM
TR-310 (Rev. 01/2801)

Of Units: 1
Amended - Attach Copy of Original Report: ☐
Notified: 2310
Arrived: 2330
Corrected: ☐

Date: 07-23-01	Time: 2300	County: 11	1- Interstate 2- US Primary 3- SC Primary	4- Secondary 5- County 6- Other	Collision Location (Rt. # / Name): 85	0- Main 2- Alternate 5- Spur	6- Connection 7- Business 9- Other	Miles: 44	Dir.: NE	In Near City or Town of: Blacksburg
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Lane # / Dir.: N/A	Distance Offset: 120	Direction: SW	1- Interstate 2- US Primary 3- SC Primary	4- Secondary 5- County 6- Other	Base Intersection (Rt. # / Name): 99	1- Main 2- Alternate 5- Spur	6- Connection 7- Business 9- Other	ASRU code:	MP/Grid:
R.R. Id.: N/A	From: NE	Ramp Only: 1- Entrance 2- Exit	To: NE	1- Interstate 2- US Primary 3- SC Primary	Second Intersection (Rt. # / Name): 29	1- Main 2- Alternate 5- Spur	6- Connection 7- Business 9- Other	Latitude: 35° 09' 34.10"	Longitude: 81° 28' 00.10"

V- 674412	Driver/Pedestrian's Full Name: Kotha - Sridhar	V- 674413	Driver/Pedestrian's Full Name:
Unit # 1	Sex: M	Unit # 1	Sex: M
Race: O	Street: 1105 Yanceyville St Apt F	Race: O	Street:
Birth Date: 8-21-1974	City, State, & Zip: Greensboro N.C. 27405	Birth Date:	City, State, & Zip:

State: NC	Driver's License #: 25574183	Insurance Company: Geico	State:	Driver's License #:	Insurance Company:
Year: 1999	Body: 4dr	Vehicle Make: BMW	Year:	Body:	Vehicle Make:
License Plate #: NC 25574183	Owner's D.L. #:	VIN #: 1BAAPM5336XK60554	License Plate #:	Owner's D.L. #:	VIN #:

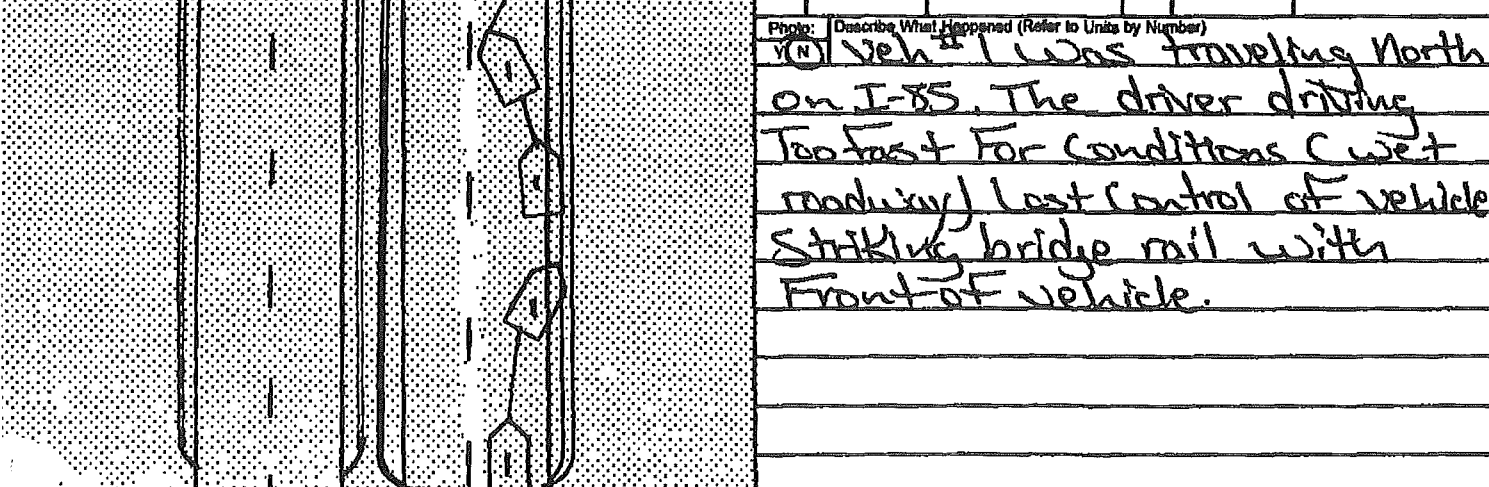
Home Telephone: (336) 713-8161	Owner's Full Name: Kotha - Sridhar	Home Telephone:	Owner's Full Name:
Bus. Telephone: N/A	Street: 1105 Yanceyville St Apt F	Bus. Telephone:	Street:
Contributed To Collision: No	City, State, & Zip: Greensboro NC 27405	Contributed To Collision:	City, State, & Zip:

Estimated Speed: 65	Speed Limit: 65	C.D.L. Req: Yes No	T/B S Req: Yes No	Alc/Drg info (see back): Yes No	Estimated Speed:	Speed Limit:	C.D.L. Req: Yes No	T/B S Req: Yes No	Alc/Drg info (see back): Yes No
Summons #: 225394321	Code: N/A	Summons #:	Code:	Towed By: Patterson	Summons #:	Code:	Summons #:	Code:	Towed By:

V- 674414	Driver/Pedestrian's Full Name:	State:	Year:	License Plate #:	Owner's D.L. #:
Unit # 1	Sex: M	Home Telephone:	Owner's Full Name:	Unit # 1	Sex: M
Race: O	Street:	Home Telephone:	Owner's Full Name:	Race: O	Street:
Birth Date:	City, State, & Zip:	Bus. Telephone:	Street:	Birth Date:	City, State, & Zip:

State:	Driver's License #:	Insurance Company:	State:	Driver's License #:	Insurance Company:
Year:	Body:	Vehicle Make:	Year:	Body:	Vehicle Make:
VIN #:	VIN #:	VIN #:	VIN #:	VIN #:	VIN #:

Dir. of Travel: Unit 1: SE W Unit 2: N SE W Unit 3: N SE W	Unit 1 Dam. \$3000	Unit 2 Dam. N/A	Unit 3 Dam. N/A	Prop. Dam. 1 N/A	Prop. Dam. 2 N/A
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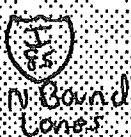
Investigating Officer's Name: Key-JL	Rank: Cpl	Badge #: 1100	Date: 7-23-01	Reviewer's Name: Key-JL	Rank: Cpl	Internal Agency Code: 34801
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NOTICE - THE TR-310 IS FOR STATISTICAL REPORTING PURPOSES ONLY AND IS A REFLECTION OF THE OFFICER'S BEST KNOWLEDGE, OPINION, AND BELIEF COVERING THE COLLISION BUT NO WARRANTY IS MADE AS TO THE FACTUAL ACCURACY THEREOF.

Unit	Date of Birth	Sex	Race	INJ	Seat	RSD	ABD	Eject	LAI	Yran	Name	Street Address	Zip Code
1	8-24-97	M	O	0	01	13	43	1	1	2			
Race A - Asian/Pacific Islander W - Caucasian a) Injury Status 2- Non-incapacitating Seating Loc. 20- Pedestrian 60- Sleeper of Cab Restraint/Safety Device													
B - African American H - Hispanic O - Other 0- Not Injured 3- Incapacitating 30- Trailing Unit 70- Riding on Unit Exterior 00- None Used 21- Child													
I - Alaskan Native or American Indian U - Unk 1- Possible 4- Fatal 40- Bus or Van (4th row or Higher) 80- Lap 11- Shoulder Belt Only Safety Seat													
Air Bag Deployment / Switch Ejection b) Motorcycle Only Head Injury: 1-Yes 2-No Location After Impact 3- Freed (non-mech.) a) Transported to Medical Facility Pedestrian, Motor/Pedalcycle Only													
1- Deployed Front 4- Not Deployed 1- Not Ejected 2- Parli. Ejected 1- Not Trapped 4- Not Applicable 1- Yes 2- No 3- Unknown 31- Helmet 51- Reflective Clothing													
2- Deployed Side 7- Not Applicable 2- Parli. Ejected 2- Ejected (Mechanical Means) 9- Unknown b) By 1- EMS 2- Police 8- Other 9- Unk 41- Protective Pads 61- Lighting													
3- Deployed Both 9- Deployment Unk 3- Tot. Ejected 2- Switch in Off Position 9- Unknown 9- Unk Sequence of Events Mail/Orig. TR-810 for Office of Financial Responsibility, PO Box 1499, Blytheville, SC 29016													
1- Switch in On Position 3- No Switch 7- Not App. 2- Switch in On Position 9- Unknown Collision Not Fixed 27- Pedestrian Collision Fixed Object 47- Embankment 55- Mail Box 68- Other													
2- Switch in Off Position 9- Unknown 01- Cargo/Equip Loss or Shift 04- Equipment Failure 20- Animal (Deer Only) 28- Railway Veh. 40- Bridge Overhead Structure 48- Equipment 56- Medium Barrier 69- Unk													
02- Cross Median/Center Line 08- Immersion 09- Ran off Road Left 21- Animal (All Other) 29- Work Zone 41- Bridge Parapet End 49- Fence 57- Overhead Sign Support													
03- Downhill Runaway 07- Jackknife 10- Ran off Road Right 22- Motor Veh (in Transport) 42- Bridge Pier or Abutment 50- Guardrail End 58- Other (Post, Pole, Support, Etc.)													
11- Separation of Units 23- Motor Veh (Stopped) 35- Other Movable Object 43- Bridge Rail 51- Guardrail Face 59- Other (Wall, Building Tunnel, Etc.)													
12- Spill (Two Wheeled Veh.) 24- Motor Veh (Other Roadway) 36- Unk Movable Object 44- Culvert 52- Highway Traffic Sign Post 60- Trees													
18- Other Non-collision 25- Motor Veh (Parked) 38- Unk Movable Object 45- Curb 53- Impact Attenuator/Crash Cushion 61- Utility Pole													
19- Unk Non-collision 26- Pedalcycle 46- Ditch 54- Light/Luminaire Support 62- Work Zone Maint. Equipment													
Manner of Collision (Struck Veh.) 30- Rear-to-Rear 50- Sideswipe Same Dir. 1st / Most Deformed Area 1st Deformed 2nd Most Deformed 3rd													
00- Not Coll. w/ Motor Veh. 41- Angle (A) 60- Sideswipe Opposite Dir. 21- Pedestrian 81- None 92- Rollover 93- Total 94- Under Carriage 98- Other 99- Unk													
10- Rear End 42- Angle (A) 70- Backed Into 3- Given - Pending Special Use Only													
20- Head On 43- Angle (A) 99- Unknown 4- None 1- Under - Compartment Intrusion Under/Override													
Vehicle Type: 15- Full Size Van 27- Pedalcycle 61- School Bus 1- Given - Known Results 4- None 2- Under - No Intrusion 4- Over - MV in Transport 6- None													
01- Automobile 16- Mini Van 38- Animal Drawn Veh 62- Passenger Bus 2- Given - Unusable 5- Refused 3- Under - Unknown 5- Over - Other Vehicle 9- Unk													
12- Pickup Truck 17- Sport Utility 39- Animal (Ridden) 98- Other 1- Under - Minor Extent of Deformity													
13- Truck Tractor 25- Motorcycle 41- Pedestrian 99- Unk (Hit and Run Only) 2- Functional Damage 4- Severe/Totaled 9- Unk													
14- Other Truck 26- Other Motorbike 51- Train 3- Disabling Damage 5- Not Applicable													
Vehicle Use Code 04- Ambulance 08- Farm Use 12- Fire Fighting 1- Alcohol / Drug Test Given 3- Given - Pending													
01- Personnel 05- Military 09- Wrecker or Tow 13- Logging A1 01 1- Given - Known Results 4- None													
02- Driver Training 06- Transport Passengers 10- Police 18- Other A2 02 2- Given - Unusable 5- Refused													
03- Construction/Maint 07- Transport Property 11- Government 41- Pedestrian A3 03 1- Breath (Alc Only) 4- Serum													
Vehicle Attachment 4- Utility Trailer 8- Towed Motor Vehicle C- Other Tanker 1- Test Type 3- Urine 1- Under - Compartment Intrusion Under/Override													
1- None 5- Farm Trailer 9- Petroleum Tanker D- Flat Bed 1- Breath (Alc Only) 4- Serum 2- Under - No Intrusion 4- Over - MV in Transport 6- None													
2- Mobile Home 6- Trailer w/Boat A- Lowboy Trailer E- Twin Trailers 2- Blond 8- Other 3- Under - Unknown 5- Over - Other Vehicle 9- Unk													
3- Semi-Trailer 7- Camper Trailer B- Autocamper Trailer F- Other 1- Drug Results 3- Marijuana 0- None/Minor Extent of Deformity													
1- Amphetamines 4- Opiates 2- Functional Damage 4- Severe/Totaled 9- Unk													
2- Cocaine 5- PCP 8- Other 3- Disabling Damage 5- Not Applicable													
Action Prior to Impact (Vehicle) (Non-motorist) 1- Two-way, Not Divided 3- Two-way, Divided Barrier Trafficway 3													
01- Backing 08- Parked 21- Approaching/Leaving Vehicle A1- 2- Two-way, Divided, Unprotected Median 4- One-Way 8- Other													
02- Changing Lanes 09- Slowing or 22- Entering/Crossing Location A2- 1- One 3- Median 5- Roadway 7- Sidewalk 9- Unk B X-walk 1- Harmful Event Loc													
03- Entering Traffic Lane Stopped in Traffic 23- Playing/Working on Vehicle A3- 2- Island 4- Roadside 6- Shoulder 8- Outside Trafficway 1- V 2- H 9- U													
04- Leaving Traffic Lane 10- Turning Left 24- Pushing Vehicle 1- Straight - Level 3- Straight - Hillcrest 5- Curve - On Grade Road Character. 2													
05- Making U-Turn 11- Turning Right 25- Standing 2- Straight - On Grade 4- Curve - Level 6- Curve - Hillcrest													
06- Movements Essentially Straight Ahead 26- Walking, Playing, Cycling 1- Dry 3- Snow 5- Ice 7- Water (Standing, etc.) Road Surface Condition 2													
07- Overtaking/Passing 28- Other 99- Unk 27- Working 2- Wet 4- Slush 6- Contaminants 8- Other 9- Unk													
Weather Condition 3- Cloudy 6- Fog, Smog, Smoke 01- Stop and Go Light 21- Officer or Flagman Traffic Control Type 98													
1- Clear (no adverse conditions) 4- Sleet, Hail 7- Blowing Sand, 8- Severe Crosswinds 02- Flashing Traffic Signal 22- Oncoming Emergency Vehicle													
2- Rain 5- Snow 04, Dnt or Snow 9- Unk 11- RR (X-bucks, Lights & Gates) 31- Pavement Markings (only) 43- Yield Sign 51- Flashing Beacon													
Light Condition 3- Dusk 6- Dark (Street Lamp Not Lit) 12- RR (X-bucks & Lights) 41- Stop Sign 44- Work Zone 98- None													
1- Daylight 4- Dark (Lighting Unspecified) 7- Dark (No lights) 13- RR (X-bucks Only) 42- School Zone Sign 45- Other Warning Signs 99- Unk													
2- Dawn 5- Dark (Street Lamp Lit) 1- Yes, Directly 2- Yes, Indirectly 3- No 9- Unk School Bus Involved: 3													
Junction Type 03- Five/More Points 07- Shared Use Paths or Trail 12- Y-Intersection 1- Before 1st Sign 3- Transition Area 5- Termination 1- Yes 2- No Work Zone: 2													
01- Crossover 04- Four-way Intersection 08- T-Intersection 13- Nonjunction 2- Advanced Warning Area 4- Activity Area Area ----- Work Zone Location													
02- Driveway 05- Railway Grade Crossing 09- Traffic Circle 99- Unk 1- Shoulder/Median Work 3- Intermittent/Moving Work ----- Work Zone Type													
02- Driveway 05- Railway Grade Crossing 09- Traffic Circle 99- Unk 2 Lane Shift/Crossover 4- Lane Closure 8- Other 9- Unk 1- Yes 2- No Workers Present:													
Primary Contributing Factors 09- Made an Improper Turn Roadway Non-Motorist Environmental Obstruction													
Driver 10- Medical Related 30- Debris 48- Other 60- Animal in Road 63- Weather Cond													
01- Disregarded Signs, Signals, Etc 12- Aggressive Operation of Vehicle 31- Non-highway Work 49- Unk 61- Glare 68- Other 69- Unk													
02- Distracted/Inattention 13- Over-correcting/Over-steering 32- Obstruction in Roadway 50- Inattentive 51- Lying &/or Illegally in Roadway 70- Brakes 76- Windows/Shield													
03- Driving Too Fast for Conditions 14- Swerving to Avoiding Object 33- Road Surface Condition (i.e., Wet) 52- Failure to Yield R. of W. 53- Not Visible (Dark Clothing) 71- Steering 77- Restraint System													
04- Exceeded Authorized Speed Limit 15- Wrong Side or Wrong Way 34- Rut, Holes, Bumps 54- Disregard Signs, Signals, Etc 55- Improper Crossing 72- Power Plant 78- Truck Coupling													
05- Failed to Yield Right of Way 16- Under the Influence 35- Shoulders (None, Low, Soft, High) 56- Daring 58- Other 59- Unk 57- Wrong Side of Road 73- Tires/Wheel 79- Cargo													
06- Ran off Road 19- Cell Phone 36- Traffic Control Device (i.e., Missing) 66- Under the Influence 74- Lights 80- Fuel System													
07- Fatigued/Asleep 18- Improper Lane Usage/Change 37- Work Zone (Constr./Maint./Utility) 67- Other Person Under Influence 75- Signals 88- Other 89- Unk													
08- Followed Too Closely 28- Other Improper Action 29- Unk 38- Worn, Travel-Polished Surface													

ORIGINAL

D.P.S. USE ONLY		Page #		SOUTH CAROLINA		# Of Units		Amended - Attach Copy of Original Report		Notified		Arrived	
07097708		1		TRAFFIC COLLISION REPORT FORM		2		Corrected		2230		2256	
Time		County		Collision Location (Rt. # / Name)		Miles		Dir.		Jct / Near City or Town of:			
4:20 2225		11		85		3.00		NE SW		Blacksburg			
Lane # / Dir.		Distance Off		Direction		Base Intersection (Rt. # / Name)		Main		Connection		ASHU code	
1- Interstate 2- US Primary 3- SC Primary		.80		NE SW		29		2- Alternate 5- Spur		7- Business 9- Other		MP/Gld	
R.R. Id.		From		To		Second Intersection (Rt. # / Name)		Main		Connection		Latitude	
N/A		NE SW		NE SW		99		2- Alternate 5- Spur		7- Business 9- Other		35° 09' 32.60	
Longtitude												81° 28' 01.80	
X-279166		Driver/Pedestrian's Full Name		X-279167		Driver/Pedestrian's Full Name							
Unit #		Sex		Race		Street		Unit #		Sex		Race	
1		M		W		2428 E Cherokee St		2		M		W	
Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date	
01-13-43		Blacksburg SC 29702		06-26-57		Santa Fe TX 77510		06-26-57		Santa Fe TX 77510		06-26-57	
State		Driver's License #		Insurance Company:		State		Driver's License #		Insurance Company:		State	
SC		00 136 5974		Auto owners		TX		08 60 89 19		Discover Prop + Cas		TX	
Year		Body		Vehicle Make		VIN #		Year		Body		Vehicle Make	
2006		4DR		Buic		1G4HP5AK254270711		2004		TRK		Volvo	
State		Year		License Plate #		Owner's D.L. #		State		Year		License Plate #	
SC		2008		856 CR		136 5974		LA		2008		P157395	
Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone	
1864936-9367		Spencer - Jimmy Earl		281731-8489		SAIA Motor Freight Inc.		281731-8489		SAIA Motor Freight Inc.		281731-8489	
Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone	
N/A		2428 E Cherokee St		800 450-7242		PO Box A Station one		800 450-7242		PO Box A Station one		800 450-7242	
Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision	
Yes		Blacksburg SC 29702		Yes		Houma LA 70363		Yes		Houma LA 70363		Yes	
Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No		Alc/Drg Info (see back): Yes No		Estimated Speed		Speed Limit	
70		65		2557347		N/A		N/A		70		65	
X-279168		Driver/Pedestrian's Full Name		X-279168		Driver/Pedestrian's Full Name		X-279168		Driver/Pedestrian's Full Name		X-279168	
Unit #		Sex		Race		Street		Unit #		Sex		Race	
1		M		W		2428 E Cherokee St		1		M		W	
Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date	
01-13-43		Blacksburg SC 29702		06-26-57		Santa Fe TX 77510		06-26-57		Santa Fe TX 77510		06-26-57	
State		Driver's License #		Insurance Company:		State		Driver's License #		Insurance Company:		State	
SC		00 136 5974		Auto owners		TX		08 60 89 19		Discover Prop + Cas		TX	
Year		Body		Vehicle Make		VIN #		Year		Body		Vehicle Make	
2006		4DR		Buic		1G4HP5AK254270711		2004		TRK		Volvo	
State		Year		License Plate #		Owner's D.L. #		State		Year		License Plate #	
SC		2008		856 CR		136 5974		LA		2008		P157395	
Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone	
1864936-9367		Spencer - Jimmy Earl		281731-8489		SAIA Motor Freight Inc.		281731-8489		SAIA Motor Freight Inc.		281731-8489	
Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone	
N/A		2428 E Cherokee St		800 450-7242		PO Box A Station one		800 450-7242		PO Box A Station one		800 450-7242	
Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision	
Yes		Blacksburg SC 29702		Yes		Houma LA 70363		Yes		Houma LA 70363		Yes	
Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No		Alc/Drg Info (see back): Yes No		Estimated Speed		Speed Limit	
70		65		2557347		N/A		N/A		70		65	
X-279168		Driver/Pedestrian's Full Name		X-279168		Driver/Pedestrian's Full Name		X-279168		Driver/Pedestrian's Full Name		X-279168	
Unit #		Sex		Race		Street		Unit #		Sex		Race	
1		M		W		2428 E Cherokee St		1		M		W	
Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date	
01-13-43		Blacksburg SC 29702		06-26-57		Santa Fe TX 77510		06-26-57		Santa Fe TX 77510		06-26-57	
State		Driver's License #		Insurance Company:		State		Driver's License #		Insurance Company:		State	
SC		00 136 5974		Auto owners		TX		08 60 89 19		Discover Prop + Cas		TX	
Year		Body		Vehicle Make		VIN #		Year		Body		Vehicle Make	
2006		4DR		Buic		1G4HP5AK254270711		2004		TRK		Volvo	
State		Year		License Plate #		Owner's D.L. #		State		Year		License Plate #	
SC		2008		856 CR		136 5974		LA		2008		P157395	
Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone	
1864936-9367		Spencer - Jimmy Earl		281731-8489		SAIA Motor Freight Inc.		281731-8489		SAIA Motor Freight Inc.		281731-8489	
Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone	
N/A		2428 E Cherokee St		800 450-7242		PO Box A Station one		800 450-7242		PO Box A Station one		800 450-7242	
Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision	
Yes		Blacksburg SC 29702		Yes		Houma LA 70363		Yes		Houma LA 70363		Yes	
Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No		Alc/Drg Info (see back): Yes No		Estimated Speed		Speed Limit	
70		65		2557347		N/A		N/A		70		65	
X-279168		Driver/Pedestrian's Full Name		X-279168		Driver/Pedestrian's Full Name		X-279168		Driver/Pedestrian's Full Name		X-279168	
Unit #		Sex		Race		Street		Unit #		Sex		Race	
1		M		W		2428 E Cherokee St		1		M		W	
Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date		City, State, & Zip		Birth Date	
01-13-43		Blacksburg SC 29702		06-26-57		Santa Fe TX 77510		06-26-57		Santa Fe TX 77510		06-26-57	
State		Driver's License #		Insurance Company:		State		Driver's License #		Insurance Company:		State	
SC		00 136 5974		Auto owners		TX		08 60 89 19		Discover Prop + Cas		TX	
Year		Body		Vehicle Make		VIN #		Year		Body		Vehicle Make	
2006		4DR		Buic		1G4HP5AK254270711		2004		TRK		Volvo	
State		Year		License Plate #		Owner's D.L. #		State		Year		License Plate #	
SC		2008		856 CR		136 5974		LA		2008		P157395	
Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone	
1864936-9367		Spencer - Jimmy Earl		281731-8489		SAIA Motor Freight Inc.		281731-8489		SAIA Motor Freight Inc.		281731-8489	
Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone		Street		Bus. Telephone	
N/A		2428 E Cherokee St		800 450-7242		PO Box A Station one		800 450-7242		PO Box A Station one		800 450-7242	
Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision	
Yes		Blacksburg SC 29702		Yes		Houma LA 70363		Yes		Houma LA 70363		Yes	
Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No		Alc/Drg Info (see back): Yes No		Estimated Speed		Speed Limit	
70		65		2557347		N/A		N/A		70		65	



Unit 1 Dam.	Unit 2 Dam.	Unit 3 Dam.	Prop. Dam. 1	Prop. Dam. 2
\$ 800.00	\$ 900.00	\$ N/A	\$ N/A	\$ N/A
Property Owner/Witness		Property Owner/Witness		
Brown - Steven		N/A		
Address		Address		
3rd Devils Trump Rd Rec Creek				
State	Zip	Phone	State	Zip
NC	27207	819-463-2568		
Photo: Describe What Happened (Refer to Units by Number)				
Unit # 1 and #2 traveling north on I-85. Unit #1 driving under the influence of alcohol traveled off the left side of the roadway and struck a guard rail. Unit #1 then traveled back onto the roadway and struck the left side of Unit #2. Unit #1 then traveled off the right side of the roadway and struck a ditch. There was no damage to the guard rail.				

Investigating Officer's Name		Rank	Badge #	Code	Date	Reviewer's Name	Rank	Internal Agency Code
Gordon - AM		Cap	342	HPD100	08-14-09	M. J. Weaver	SGT	217 674

[illegible]

ORIGINAL

D.F.S. USE ONLY		Page #		SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM		# Of Units	Amended - Attach Copy of Original Report	Notified	Arrived	
09130212		1		TR-310 (Rev. 01/2001)		7	Corrected	1808	1826	
To - 2009	Time 1800	County 11	1- Interstate 2- US Primary 3- SC Primary	4- Secondary 5- County 6- Other	Collision Location (Rt. # / Name)	0- Main 2- Alternate 5- Spur	6- Connection 7- Business 9- Other	Miles: 3.0	Dir. Near City or Town of: Blacksburg SC	
Lane # / Dir.	Distance Offset	Direction	1- Interstate 2- US Primary 3- SC Primary	4- Secondary 5- County 6- Other	Base Intersection (Rt. # / Name)	0- Main 2- Alternate 5- Spur	6- Connection 7- Business 9- Other	ASRU code	MP/Grd	
# 1 / 4 (N) E (S) W	70 Miles Feet	(N) E (S) W			From 99					
R.R. Id.	From	Ramp Only	To	1- Interstate 2- US Primary 3- SC Primary	Second Intersection (Rt. # / Name)	0- Main 2- Alternate 5- Spur	6- Connection 7- Business 9- Other	Latitude	Longitude	
NA	N E (S) W	2- Exit	(S) W	3- SC Primary 6- Other	Toward 29			35° 09' 33.80"	81° 27' 59.10"	
Z-238414 Driver/Pedestrian's Full Name					Z-238415 Driver/Pedestrian's Full Name					
Durrence - Christopher Ryr					Chambers - Phillip Lee					
Unit #	Sex	Race	Street	City, State, & Zip	Unit #	Sex	Race	Street	City, State, & Zip	
1	M	W	4613 Pound House Rd	Flowers Branch GA 30542	2	M	B	2201 Beauty St	Statesville NC 28625	
Birth Date	08-28-1970				Birth Date	09-04-1958				
State	Driver's License #	Insurance Company			State	Driver's License #	Insurance Company			
GA	05D767723	'C' Locken Co			NC	2840150	'A' Hanco Int Ins Co			
Year	Body	Vehicle Make	VIN #		Year	Body	Vehicle Make	VIN #		
2003	54	Dodge	1D4H538NX3F559462		2007	TR	Ford	2FWBA2C07AY07917		
State	Year	License Plate #	Owner's D.L. #		State	Year	License Plate #	Owner's D.L. #		
GA	2010	A 604945	UNKNOWN		GA	2010	LX6194	UNKNOWN		
Home Telephone	678-965-0997				Home Telephone	764-1929-2468				
Owner's Full Name	Rackwell Automation				Owner's Full Name	Salem Leasing Corp				
Bus. Telephone	678-947-7220				Bus. Telephone	764-1304-2221				
Street	4349 Avery Drive				Street	175 Charlotes Blvd				
Contributed To Collision	Yes (No) Flowers Branch GA 30542				Contributed To Collision	Yes (No) Winston Salem NC 27103				
Estimated Speed	Speed Limit	C.D.L. Req: Yes (No)	T/B S Req: Yes (No)	Alc/Drg info (see back): Yes (No)	Estimated Speed	Speed Limit	C.D.L. Req: Yes (No)	T/B S Req: Yes (No)	Alc/Drg info (see back): Yes (No)	
60	65	NA	NA	Code Towed By	65	65	NA	NA	Code Towed By	
Z-238416 Driver/Pedestrian's Full Name					NOV 30 2009					
Unit #	Sex	Race	Street	City, State, & Zip						
1										
State	Driver's License #	Insurance Company								
Year	Body	Vehicle Make	VIN #							
Dir. of Travel: Unit 1: (N) S E W Unit 2: (N) S E W Unit 3: N S E W										
					Unit 1 Dam.	Unit 2 Dam.	Unit 3 Dam.	Prop. Dam. 1	Prop. Dam. 2	
					\$1000	\$2000	\$119	\$3000	\$119	
					Property Owner/Witness		Property Owner/Witness			
					SE DOT		None			
					Address 1864 Old Georgia Hwy		Address			
					(714) 614					
					State	Zip	Phone	State	Zip	Phone
					SC	29340	866-489-2844			
					Photo: Describe What Happened (Refer to Units by Number)					
					Unit #1 traveling North on I-85 in #1 lane.					
Unit #2 traveling North on I-85 in #2 lane when right front tire blew out, hit right side guard rail and floor side swiped unit #1 pushing it into left side guard rail.										

NOTICE - THE DIAGRAM IS FOR STATISTICAL REPORTING PURPOSES ONLY AND IS A REFLECTION OF THE OFFICER'S BEST KNOWLEDGE, OPINION, AND BELIEF CONCERNING THE COLLISION BUT NO WARRANTY IS MADE AS TO THE ACTUAL ACCURACY THEREOF.

Investigating Officer's Name: M. Her-2 G Rank: 176C Badge #: 615 Code: 1173400 Date: 11-11-2009 Reviewer's Name: Albert B. J. Rank: CPL Internal Agency Code: 164752

Unit	Date of Birth	Sex	Race	INJ	Seat	RSD	ABD	Eject	LAI	Tran	Name	Street Address	Zip Code
1	06-20-1970	M	W	B	01	13	48	1	1	2			
2	09-04-1952	M	B	O	01	13	48	1	1	2			

Race A - Asian/Pacific Islander B - African American H - Hispanic I - Alaskan Native or American Indian		W - Caucasian O - Other U - Unk.		a) Injury Status 0 - Not Injured 1 - Possible 2 - Non-incapacitating 3 - Incapacitating 4 - Fatal		Seating Loc. 01 02 03 04 05 06 07 08 09		20 - Pedestrian 30 - Trailing Unit 40 - Bus or Van (4th row or Higher) 50 - Other Enclosed Area (nontrailing) 51 - Other Unenclosed Area (nontrailing)		Restraint/Safety Device 00 - None Used 11 - Shoulder Belt Only 12 - Lap Belt Only 13 - Shoulder & Lap Belt 21 - Child Safety Seat 88 - Other 99 - Unk.	
Air Bag Deployment / Switch 1 - Deployed Front 2 - Deployed Side 3 - Deployed Both 4 - Not Deployed 7 - Not Applicable 1 - Switch in On Position 2 - Switch in Off Position 9 - Unknown		Ejection 1 - Not Ejected 2 - Part. Ejected 3 - Tot. Ejected 7 - Not App. 9 - Unk.		b) Motorcycle Only Head Injury: 1 - Yes 2 - No Location After Impact: 1 - Not Trapped 2 - Extricated (Mechanical Means) 3 - Freed (non-mech.) 4 - Not Applicable 9 - Unknown		Transported to Medical Facility a) 1 - Yes 2 - No 3 - Unknown b) By: 1 - EMS 2 - Police 8 - Other 9 - Unk.		Pedestrian, Motor/Pedalcycle Only 31 - Helmet 51 - Reflective Clothing 41 - Protective Pads 61 - Lighting			

Non-Collision 01 - Cargo/Equip Loss or Shift 02 - Cross Median/Center Line 03 - Downhill Runaway 04 - Equipment Failure 05 - Fire/Explosion 06 - Immersion 07 - Jackknife 08 - Overturn/Robover 09 - Ran off Road Left 10 - Ran off Road Right 11 - Separation of Units 12 - Spill (non-vehicle veh) 18 - Other Non-collision 19 - Unk. Non-collision										Collision Not Fixed 20 - Animal (Deer Only) 21 - Animal (All Other) 22 - Motor Veh (In Transport) 23 - Motor Veh (Stopped) 24 - Motor Veh (Other Roadway) 25 - Motor Veh (Parked) 26 - Pedalcycle										Collision Fixed Object 27 - Pedestrian 28 - Railway Veh 29 - Work Zone Maint Equip 30 - Other Movable Object 31 - Unk. Movable Object 32 - Bridge Overhead Structure 33 - Bridge Pier or Abutment 34 - Bridge Rtd 35 - Culvert 36 - Ditch 37 - Embankment 38 - Equipment 39 - Fence 40 - Guardrail End 41 - Guardrail Face 42 - Highway Traffic Sign Post 43 - Impact Attenuator/Crash Cushion 44 - Light/Luminaire Support 45 - Mail Box 46 - Median Barrier 47 - Overhead Sign Support 48 - Other (Post, Pole Support, Etc) 49 - Other (Wall, Building, Tunnel, Etc) 50 - Tree 51 - Utility Pole 52 - Work Zone Maint Equipment 53 - Other									
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Manner of Collision (Struck Veh.) 00 - Not Coll. W/ Motor Veh. 10 - Rear End 20 - Head On 30 - Rear-to-Rear 41 - Angle (↘) (14°) 42 - Angle (→) (14°) 43 - Angle (↗) (14°) 50 - Sideswipe Same Dir. 60 - Sideswipe Opposite Dir. 70 - Backed Into 99 - Unknown		1st / Most Deformed Area 		1st Deformed 		Most Deformed 	
--	--	-------------------------------------	--	-------------------------	--	--------------------------	--

Vehicle Type: 01 - Automobile 12 - Pickup Truck 13 - Truck Tractor 14 - Other Truck 15 - Full Size Van 16 - Mini Van 17 - Sport Utility 25 - Motorcycle 26 - Other Motorbike 27 - Pedalcycle 38 - Animal Drawn Veh 39 - Animal (Ridden) 41 - Pedestrian 51 - Train 61 - School Bus 62 - Passenger Bus 98 - Other (Hit and Run Only)		Vehicle Use Code: 01 - Personal 02 - Driver Training 03 - Construction/Maint 04 - Ambulance 05 - Military 06 - Transport Passengers 07 - Transport Property 08 - Farm Use 09 - Wrecker or Tow 10 - Police 11 - Government 12 - Fire Fighting 13 - Logging 41 - Pedestrian		Vehicle Attachment: 1 - None 2 - Mobile Home 3 - Semi-Trailer 4 - Utility Trailer 5 - Farm Trailer 6 - Trailer w/Boat 7 - Camper Trailer 8 - Towed Motor Vehicle 9 - Petroleum Tanker A - Lowboy Trailer B - Autocar Trailer C - Other Tanker D - Flat Bed E - Twin Trailers F - Other	
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Action Prior to Impact (Vehicle) 01 - Backing 02 - Changing Lanes 03 - Entering Traffic Lane 04 - Leaving Traffic Lane 05 - Making U-Turn 06 - Movements Essentially Straight Ahead 07 - Overtaking/Passing 08 - Parked 09 - Stopping or 10 - Turning Left 11 - Turning Right 18 - Other 21 - Approaching/Leaving Vehicle 22 - Entering/Crossing Location 23 - Playing/Working on Vehicle 24 - Pushing Vehicle 25 - Standing 26 - Walking, Playing, Cycling 27 - Working		Action Prior to Impact (Non-motorist) 21 - Approaching/Leaving Vehicle 22 - Entering/Crossing Location 23 - Playing/Working on Vehicle 24 - Pushing Vehicle 25 - Standing 26 - Walking, Playing, Cycling 27 - Working	
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Weather Condition 1 - Clear (no adverse conditions) 2 - Rain 3 - Cloudy 4 - Sleet, Hail 5 - Snow 6 - Fog, Smog, Smoke 7 - Blowing Sand 8 - Severe Crosswinds 9 - Dirt or Snow on Road		Light Condition 1 - Daylight 2 - Dawn 3 - Dusk 4 - Dark (Lighting Unspecified) 5 - Dark (Street Lamp Lit) 6 - Dark (Street Lamp Not Lit)	
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Junction Type 01 - Crossover 02 - Driveway 03 - Five/More Points 04 - Fourway Intersection 05 - Railway Grade Crossing 06 - Shared Use Paths or Trail 07 - T-Intersection 08 - T-Intersection 09 - Traffic Circle 10 - Nonjunction 11 - Y-Intersection		Contributing Factors 01 - Disregarded Signs, Signals, Etc 02 - Distracted/Inattention 03 - Driving Too Fast for Conditions 04 - Exceeded Authorized Speed Limit 05 - Failed to Yield Right of Way 06 - Ran off Road 07 - Fatigued/Asleep 08 - Followed Too Closely 09 - Made an Improper Turn 10 - Medical Related 11 - Aggressive Operation of Vehicle 12 - Over-correcting/Over-steering 13 - Swerving to Avoiding Object 14 - Wrong Side or Wrong Way 15 - Under the Influence 16 - Vision Obscured (Within Unit) 17 - Improper Lane Usage/Change 18 - Other Improper Action 19 - Unk.		Roadway 30 - Debris 31 - Non-highway Work 32 - Obstruction in Roadway 33 - Road Surface Condition (i.e., Wet) 34 - Rut, Holes, Bumps 35 - Shoulders (None, Low, Soft, High) 36 - Traffic Control Device (i.e., Missing) 37 - Work Zone (Constr./Maint./Utility) 38 - Worn, Travel-Polished Surface 46 - Other 49 - Unk.		Non-Motorist 50 - Inattentive 51 - Lying Ator Illegally in Roadway 52 - Failure to Yield R. of W. 53 - Not Visible (Dark Clothing) 54 - Disregard Signs, Signals, Etc 55 - Improper Crossing 56 - Dangling 57 - Wrong Side of Road 58 - Under the Influence 59 - Other Person Under Influence		Environmental 60 - Animal in Road 61 - Glare 70 - Brakes 71 - Steering 72 - Power Plant 73 - Tires/Wheel 74 - Lights 75 - Signals 62 - Obstruction 63 - Weather Cond. 68 - Other 69 - Unk.	
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Primary 23		Other: 01 - Disregarded Signs, Signals, Etc 02 - Distracted/Inattention 03 - Driving Too Fast for Conditions 04 - Exceeded Authorized Speed Limit 05 - Failed to Yield Right of Way 06 - Ran off Road 07 - Fatigued/Asleep 08 - Followed Too Closely	
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ORIGINAL

D.P.B. USE ONLY		Page #		SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM		# Of Units		Amended - Attach Copy of Original Report		Notified		Arrived	
09143535		01		TR-310 (Rev. 01/2001)		1		Corrected		0115		0145	
Date 2-19-2009		Time 0100		County 11		Interstate 4-Secondary 2-US Primary 3-SC Primary		Collision Location (Rt. # / Name) 85		Main 2-Alternate 5-Spur		6-Connection 7-Business 9-Other	
Miles 3.8		Dir. NE S W		In / Near City or Town of: BLACKSBURG		ASRU code		MP/Grd					
Lane # / Dir. # N/A		Distance Offset 20 Feet		Direction E S W		1-Interstate 2-US Primary 3-SC Primary		4-Secondary 5-County 6-Other		Base Intersection (Rt. # / Name) 99		Main 2-Alternate 5-Spur	
R.R. Id. N/A		From N E S W		Ramp Only 1-Entrance 2-Exit		To N E S W		1-Interstate 2-US Primary 3-SC Primary		4-Secondary 5-County 6-Other		Second Intersection (Rt. # / Name) 29	
Main 2-Alternate 5-Spur		6-Connection 7-Business 9-Other		Latitude 35° 09' 33.60"		Longitude 81° 28' 00.10"							
X-772153		Driver/Pedestrian's Full Name FOULKS, JAMES PATRICK		X-772154		Driver/Pedestrian's Full Name							
Unit # 1		Sex M		Race W		Street 333 ENTERPRISE RD		Birth Date 07-21-1986		City, State, & Zip CEXINGTON NC 27295			
State NC		Driver's License # 32054079		Insurance Company: GEICO		Year 2005		Body SU		Vehicle Make JEEP		VIN # 1J4HS48N85C559672	
State NC		Year 2011		License Plate # Y2R B363		Owner's D.L. # 32054079		Home Telephone (336) 704-5871		Owner's Full Name FOULKS, JAMES PATRICK			
Bus. Telephone () N/A		Contributed To Collision Yes		City, State, & Zip CEXINGTON NC 27295		Home Telephone ()		Owner's Full Name		Bus. Telephone ()		Street	
Estimated Speed 65		Speed Limit 65		C.D.L. Req: Yes No N/A		T/B S Req: Yes No N/A		Alc/Drg Info (see back): Yes No N/A		Code Towed By PATERGON'S			
X-772155		Driver/Pedestrian's Full Name		State NC		Year 2005		License Plate # Y2R B363		Owner's D.L. # 32054079			
Unit # 1		Sex M		Race W		Street 333 ENTERPRISE RD		Birth Date 07-21-1986		City, State, & Zip CEXINGTON NC 27295			
State NC		Driver's License # 32054079		Insurance Company: GEICO		Year 2005		Body SU		Vehicle Make JEEP		VIN # 1J4HS48N85C559672	
State NC		Year 2011		License Plate # Y2R B363		Owner's D.L. # 32054079		Home Telephone (336) 704-5871		Owner's Full Name FOULKS, JAMES PATRICK			
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Estimated Speed 65		Speed Limit 65		C.D.L. Req: Yes No N/A		T/B S Req: Yes No N/A		Alc/Drg Info (see back): Yes No N/A		Code Towed By PATERGON'S			
X-772155		Driver/Pedestrian's Full Name		State NC		Year 2005		License Plate # Y2R B363		Owner's D.L. # 32054079			
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State NC		Driver's License # 32054079		Insurance Company: GEICO		Year 2005		Body SU		Vehicle Make JEEP		VIN # 1J4HS48N85C559672	
State NC		Year 2011		License Plate # Y2R B363		Owner's D.L. # 32054079		Home Telephone (336) 704-5871		Owner's Full Name FOULKS, JAMES PATRICK			
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Estimated Speed 65		Speed Limit 65		C.D.L. Req: Yes No N/A		T/B S Req: Yes No N/A		Alc/Drg Info (see back): Yes No N/A		Code Towed By PATERGON'S			
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State NC		Driver's License # 32054079		Insurance Company: GEICO		Year 2005		Body SU		Vehicle Make JEEP		VIN # 1J4HS48N85C559672	
State NC		Year 2011		License Plate # Y2R B363		Owner's D.L. # 32054079		Home Telephone (336) 704-5871		Owner's Full Name FOULKS, JAMES PATRICK			
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Estimated Speed 65		Speed Limit 65		C.D.L. Req: Yes No N/A		T/B S Req: Yes No N/A		Alc/Drg Info (see back): Yes No N/A		Code Towed By PATERGON'S			
X-772155		Driver/Pedestrian's Full Name		State NC		Year 2005		License Plate # Y2R B363		Owner's D.L. # 32054079			
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State NC		Driver's License # 32054079		Insurance Company: GEICO		Year 2005		Body SU		Vehicle Make JEEP		VIN # 1J4HS48N85C559672	
State NC		Year 2011											

Unit	Date of Birth	Sex	Race	INJ	Seat	R/S/D	A.B.D.	Elect	LAI	Tran	Name	Street Address	Zip Code
1	07-21-1986	M	W	1	01	13	13	1	1	1	DRIVER OF VEH. #1		
Race: A - Asian/Pacific Islander W - Caucasian B - African American H - Hispanic O - Other I - Alaskan Native or American Indian U - Unk													
Air Bag Deployment / Switch a) 1-Deployed Front 4-Not Deployed 2-Deployed Side 7-Not Applicable 3-Deployed Both 9-Deployment Unk. b) 1-Switch in On Position 3-No Switch 2-Switch in Off Position 8-Unknown													
Ejection 1-Not Ejected 2-Part. Ejected 3-Tot. Ejected 7-Not App. 9-Unk.													
Head Injury: 1-Yes 2-No a) Injury Status: 2-Non-Incapacitating 0-Not Injured 3-Incapacitating 1-Possible 4-Fatal b) Motorcycle Only													
Seating Loc.: 01 02 03 04 05 06 07 08 09													
Location After Impact 1-Not Trapped 2-Entrapped (Mechanical Means) 3-Freed (non-mech) 4-Not Applicable 9-Unknown													
Transported to Medical Facility a) 1-Yes 2-No 3-Unknown b) By: 1-EMS 2-Police 6-Other 9-Unk.													
Restraint/Safety Device 00-None Used 21-Child Safety Seat 11-Shoulder Belt Only 88-Other 12-Lap Belt Only 99-Unk 13-Shoulder & Lap Belt 99-Unk 31-Helmet 51-Reflective Clothing 41-Protective Pads 61-Lighting													
Non-Collision 01-Cargo/Equip Loss or Shift 02-Cross Median/Center Line 03-Downhill Runaway 04-Equipment Failure 05-Fire/Explosion 06-Immersion 07-Jackknife 08-Overturn/Rollover 09-Ran off Road Left 10-Ran off Road Right 11-Separation of Units 12-Split (Two-Wheeled Veh.) 18-Other Non-collision 19-Unk. Non-collision													
Collision Not Fixed 20-Animal (Deer Only) 21-Animal (All Other) 22-Motor Veh. (In Transport) 23-Motor Veh. (Stopped) 24-Motor Veh. (Other Roadway) 25-Motor Veh. (Parkad) 26-Pedalcycle 27-Pedestrian 28-Highway Veh. 29-Work Zone Maint. Equip. 30-Other Movable Object 31-Other Movable Object 32-Ditch 33-Fixed Object 34-Bridge Overhead Structure 35-Bridge Pier or Abutment 36-Bridge Rail 37-Curb 38-Light/Luminaire Support 39-Embankment 40-Fence 41-Guardrail End 42-Highway Traffic Sign Post 43-Impact Absorber/Crash Cushion 44-Light/Luminaire Support 45-Mail Box 46-Median Barrier 47-Overhead Sign Support 48-Other (Post, Pole, Support, Etc.) 49-Other (Wall, Building, Tunnel, Etc.) 50-Tree 51-Utility Pole 52-Work Zone Maint. Equipment 53-Other													
Manner of Collision (Struck Veh.) 00-Not Coll. W/ Motor Veh. 01-10-Rear End 02-20-Head On 03-40-Angle (→)← 04-42-Angle (→)← 05-43-Angle (→)← 06-50-Sideswipe Same Dir. 07-60-Sideswipe Opposite Dir. 08-70-Backed Into 09-99-Unknown													
Vehicle Type: 01-Automobile 02-Pickup Truck 03-Truck Tractor 04-Other Truck 05-Full Size Van 06-Mini Van 07-Sport Utility 08-Motorcycle 09-Other Motorbike 10-Pedalcycle 11-School Bus 12-Passenger Bus 13-Animal (Ridden) 14-Pedestrian 15-Unk. (Hit and Run Only)													
Vehicle Use Code 01-Personal 02-Driver Training 03-Construction/Maint. 04-Ambulance 05-Military 06-Transport Passengers 07-Transport Property 08-Farm Use 09-Wrecker or Tow 10-Police 11-Government 12-Fire Fighting 13-Logging 14-Other 15-Pedestrian													
Vehicle Attachment 01-None 02-Mobile Home 03-Semi-Trailer 04-Utility Trailer 05-Farm Trailer 06-Trailer w/Boat 07-Camper Trailer 08-Towed Motor Vehicle 09-Petroleum Tanker 10-Lowboy Trailer 11-Autocarrier Trailer 12-Other Tanker 13-Flat Bed 14-Twin Trailers 15-Other													
Action Prior to Impact (Vehicle) 01-Backing 02-Changing Lanes 03-Entering Traffic Lane 04-Leaving Traffic Lane 05-Making U-turn 06-Movements Essentially Straight Ahead 07-Overtaking/Passing 08-Parked 09-Stopping or 10-Turning Left 11-Turning Right 12-Other													
(Non-motorist) 21-Approaching/Leaving Vehicle 22-Entering/Crossing Location 23-Playing/Working on Vehicle 24-Pushing Vehicle 25-Standing 26-Walking, Plying, Cycling 27-Working													
Weather Condition 1-Clear (no adverse conditions) 2-Rain 3-Cloudy 4-Sleet, Hail 5-Snow 6-Fog, Smog, Smoke 7-Blowing Sand, Oil, Dirt or Snow 8-Severe Crosswinds 9-Unk.													
Light Condition 1-Daylight 2-Dawn 3-Dusk 4-Dark (Lighting Unspecified) 5-Dark (Street Lamp Lit) 6-Dark (Street Lamp Not Lit) 7-Dark (No lights)													
Junction Type 01-Crossover 02-Driveway 03-Five/More Points 04-Four-way Intersection 05-Railway Grade Crossing 06-Shared Use Path or Trail 07-T-Intersection 08-Traffic Circle 09-Y-Intersection 10-Nonjunction 11-Other													
Primary Contributing Factors 01-Disregarded Signs, Signals, Etc. 02-Distracted/Inattention 03-Driving Too Fast for Conditions 04-Exceeded Authorized Speed Limit 05-Failed to Yield Right of Way 06-Ran off Road 07-Fatigued/Asleep 08-Followed Too Closely 09-Made an Improper Turn 10-Medical Related 11-Aggressive Operation of Vehicle 12-Over-correcting/Over-steering 13-Swerving to Avoiding Object 14-Wrong Side or Wrong Way 15-Under the Influence 16-Vision Obscured (Within Unit) 17-Improper Lane Usage/Change 18-Other Improper Action													
Roadway 30-Debris 31-Non-highway Work 32-Obstruction in Roadway 33-Road Surface Condition (i.e., Wet) 34-Rut, Holes, Bumps 35-Shoulders (None, Low, Soft, High) 36-Traffic Control Device (i.e., Missing) 37-Work Zone (Const. Maint./Utility) 38-Worn, Travel-Polished Surface 48-Other 49-Unk.													
Non-Motorist 50-Inattentive 51-Lying &/or Illegally in Roadway 52-Failure to Yield R of W 53-Not Visible (Dark Clothing) 54-Disregard Signs, Signals, Etc. 55-Improper Crossing 56-Darting 57-Wrong Side of Road 58-Under the Influence 59-Other Person Under Influence 60-Animal in Road 61-Glass 62-Weather Cond. 63-Other 64-Other													
Environmental 65-Obstruction 66-Flashlight Beacon 67-Flashlight Beacon 68-Flashlight Beacon 69-Flashlight Beacon 70-Flashlight Beacon 71-Flashlight Beacon 72-Flashlight Beacon 73-Flashlight Beacon 74-Flashlight Beacon 75-Flashlight Beacon 76-Flashlight Beacon 77-Flashlight Beacon 78-Flashlight Beacon 79-Flashlight Beacon 80-Flashlight Beacon 81-Flashlight Beacon 82-Flashlight Beacon 83-Flashlight Beacon 84-Flashlight Beacon 85-Flashlight Beacon 86-Flashlight Beacon 87-Flashlight Beacon 88-Flashlight Beacon 89-Flashlight Beacon 90-Flashlight Beacon 91-Flashlight Beacon 92-Flashlight Beacon 93-Flashlight Beacon 94-Flashlight Beacon 95-Flashlight Beacon 96-Flashlight Beacon 97-Flashlight Beacon 98-Flashlight Beacon 99-Flashlight Beacon													
Vehicle Defect 70-Brakes 71-Steering 72-Power Plant 73-Tires/Wheel 74-Lights 75-Signals 76-Windows/Shield 77-Restraint System 78-Truck Coupling 79-Cargo 80-Fuel System 81-Other 82-Other 83-Other 84-Other 85-Other 86-Other 87-Other 88-Other 89-Other 90-Other 91-Other 92-Other 93-Other 94-Other 95-Other 96-Other 97-Other 98-Other 99-Other													

Unit	Date of Birth	Sex	Race	INJ	Seat	RSD	A.R.D.	Eject	LAI	Trans	Name	Street Address	Zip Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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<table border="1"> <tr> <td colspan="2">Race</td> <td colspan="2">A - Asian/Pacific Islander</td> <td colspan="2">W - Caucasian</td> <td colspan="2">a) Injury Status</td> <td colspan="2">2. Non-incapacitating</td> <td colspan="2">Sealing Loc.</td> <td colspan="2">20. Pedestrian</td> <td colspan="2">60. Sleeper of Cab</td> <td colspan="2">Restraint/Safety Device</td> </tr> <tr> <td colspan="2">B - African American</td> <td colspan="2">H - Hispanic</td> <td colspan="2">O - Other</td> <td colspan="2">0 - Not Injured</td> <td colspan="2">3 - Incapacitating</td> <td colspan="2">01 02 03</td> <td colspan="2">30. Trailing Unit</td> <td colspan="2">70. Riding on Unit Exterior</td> <td colspan="2">00 - None Used</td> </tr> <tr> <td colspan="2">I - Alaskan Native or American Indian</td> <td colspan="2">U - Unk.</td> <td colspan="2"></td> <td colspan="2">1 - Possible</td> <td colspan="2">4 - Fatal</td> <td colspan="2">04 05 06</td> <td colspan="2">40 - Bus or Van (4th row or Higher)</td> <td colspan="2">80 - Lap</td> <td colspan="2">11 - Shoulder Belt Only</td> </tr> <tr> <td colspan="2">Air Bag Deployment / Switch</td> <td colspan="2">Ejection</td> <td colspan="2"></td> <td colspan="2">b) Motorcyclist Only</td> <td colspan="2"></td> <td colspan="2">07 08 09</td> <td colspan="2">50 - Other Enclosed Area (nontrailing)</td> <td colspan="2">99 - Unk/NA</td> <td colspan="2">12 - Lap Belt Only</td> </tr> <tr> <td colspan="2">1 - Deployed Front</td> <td colspan="2">4 - Not Deployed</td> <td colspan="2">1 - Not Ejected</td> <td colspan="2">Head Injury: 1 - Yes 2 - No</td> <td colspan="2">3 - Freed (non-mech)</td> <td colspan="2">a) Transported to Medical Facility</td> <td colspan="2">51 - Other Unenclosed Area (nontrailing)</td> <td colspan="2"></td> <td colspan="2">13 - Shoulder & Lap Belt 99 - Unk</td> </tr> <tr> <td colspan="2">2 - Deployed Side</td> <td colspan="2">7 - Not Applicable</td> <td colspan="2">2 - Part Ejected</td> <td colspan="2">Location After Impact</td> <td colspan="2">4 - Not Applicable</td> <td colspan="2">1 - Yes 2 - No 3 - Unknown</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">Pedestrian, Motor/Pedalcycle Only</td> </tr> <tr> <td colspan="2">3 - Deployed Both</td> <td colspan="2">8 - Deployment Unk.</td> <td colspan="2">3 - Tot. Ejected</td> <td colspan="2">1 - Not Trapped</td> <td colspan="2"></td> <td colspan="2">b) By: 1 - EMS 2 - Police 3 - Other 9 - Unk.</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">31 - Helmet 51 - Reflective Clothing</td> </tr> <tr> <td colspan="2">1 - Switch in On Position</td> <td colspan="2">3 - No Switch</td> <td colspan="2">7 - Not App.</td> <td colspan="2">2 - Extricated (Mechanical Means) 3 - Unknown</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">41 - Protective Pads 61 - Lighting</td> </tr> <tr> <td colspan="2">2 - Switch in Off Position</td> <td colspan="2">8 - Unknown</td> <td colspan="2">9 - Unk.</td> <td colspan="2">Sequence of Events</td> <td colspan="2">(Initial Orig. TS-110 to Office of Financial Responsibility, PO Box 1435, Blytheville, MO 63302)</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Non-Collision</td> <td colspan="2">04 - Equipment Failure</td> <td colspan="2">Collision Not Fixed</td> <td colspan="2">27 - Pedestrian</td> <td colspan="2">Collision Fixed Object</td> <td colspan="2">47 - Embankment</td> <td colspan="2">55 - Mail Box</td> <td colspan="2">68 - Other</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">01 - Cargo/Equip Loss or Shift</td> <td colspan="2">05 - Fire/Explosion</td> <td colspan="2">08 - Overturn/Followover</td> <td colspan="2">28 - Railway Veh.</td> <td colspan="2">40 - Bridge Overhead Structure</td> <td colspan="2">48 - Equipment</td> <td colspan="2">58 - Median Barrier</td> <td colspan="2">69 - Unk.</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">02 - Cross Median/Center Line</td> <td colspan="2">06 - Immenation</td> <td colspan="2">09 - Ran off Road Left</td> <td colspan="2">29 - Work Zone Maint. Equip.</td> <td colspan="2">41 - Bridge Pier/Abutment</td> <td colspan="2">49 - Fence</td> <td colspan="2">59 - Overhead Sign Support</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">03 - Downhill Runaway</td> <td colspan="2">07 - Jackknifed</td> <td colspan="2">10 - Ran off Road Right</td> <td colspan="2">30 - Other Movable Object</td> <td colspan="2">42 - Bridge Pier or Abutment</td> <td colspan="2">50 - Guardrail End</td> <td colspan="2">59 - Other (Post, Pole, Support, Etc.)</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Event 1</td> <td colspan="2">Event 2</td> <td colspan="2">Event 3</td> <td colspan="2">Event 4</td> <td colspan="2">Event 5</td> <td colspan="2">Event 6</td> <td colspan="2">Event 7</td> <td colspan="2">Event 8</td> <td colspan="2">Event 9</td> </tr> <tr> <td colspan="2">1</td> <td colspan="2">2</td> <td colspan="2">3</td> <td colspan="2">4</td> <td colspan="2">5</td> <td colspan="2">6</td> <td 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colspan="2">124</td> <td colspan="2">125</td> <td colspan="2">126</td> </tr> <tr> <td colspan="2">127</td> <td colspan="2">128</td> <td colspan="2">129</td> <td colspan="2">130</td> <td colspan="2">131</td> <td colspan="2">132</td> <td colspan="2">133</td> <td colspan="2">134</td> <td colspan="2">135</td> </tr> <tr> <td colspan="2">136</td> <td colspan="2">137</td> <td colspan="2">138</td> <td colspan="2">139</td> <td colspan="2">140</td> <td colspan="2">141</td> <td colspan="2">142</td> <td colspan="2">143</td> <td colspan="2">144</td> </tr> <tr> <td colspan="2">145</td> <td colspan="2">146</td> <td colspan="2">147</td> <td colspan="2">148</td> <td colspan="2">149</td> <td colspan="2">150</td> <td colspan="2">151</td> <td colspan="2">152</td> <td colspan="2">153</td> </tr> <tr> <td colspan="2">154</td> <td colspan="2">155</td> <td colspan="2">156</td> <td colspan="2">157</td> <td colspan="2">158</td> <td colspan="2">159</td> <td colspan="2">160</td> <td colspan="2">161</td> <td colspan="2">162</td> </tr> <tr> <td colspan="2">163</td> <td colspan="2">164</td> <td colspan="2">165</td> <td colspan="2">166</td> <td colspan="2">167</</td></tr></table>														Race		A - Asian/Pacific Islander		W - Caucasian		a) Injury Status		2. Non-incapacitating		Sealing Loc.		20. Pedestrian		60. Sleeper of Cab		Restraint/Safety Device		B - African American		H - Hispanic		O - Other		0 - Not Injured		3 - Incapacitating		01 02 03		30. Trailing Unit		70. Riding on Unit Exterior		00 - None Used		I - Alaskan Native or American Indian		U - Unk.				1 - Possible		4 - Fatal		04 05 06		40 - Bus or Van (4th row or Higher)		80 - Lap		11 - Shoulder Belt Only		Air Bag Deployment / Switch		Ejection				b) Motorcyclist Only				07 08 09		50 - Other Enclosed Area (nontrailing)		99 - Unk/NA		12 - Lap Belt Only		1 - Deployed Front		4 - Not Deployed		1 - Not Ejected		Head Injury: 1 - Yes 2 - No		3 - Freed (non-mech)		a) Transported to Medical Facility		51 - Other Unenclosed Area (nontrailing)				13 - Shoulder & Lap Belt 99 - Unk		2 - Deployed Side		7 - Not Applicable		2 - Part Ejected		Location After Impact		4 - Not Applicable		1 - Yes 2 - No 3 - Unknown						Pedestrian, Motor/Pedalcycle Only		3 - Deployed Both		8 - Deployment Unk.		3 - Tot. Ejected		1 - Not Trapped				b) By: 1 - EMS 2 - Police 3 - Other 9 - Unk.						31 - Helmet 51 - Reflective Clothing		1 - Switch in On Position		3 - No Switch		7 - Not App.		2 - Extricated (Mechanical Means) 3 - Unknown										41 - Protective Pads 61 - Lighting		2 - Switch in Off Position		8 - Unknown		9 - Unk.		Sequence of Events		(Initial Orig. TS-110 to Office of Financial Responsibility, PO Box 1435, Blytheville, MO 63302)										Non-Collision		04 - Equipment Failure		Collision Not Fixed		27 - Pedestrian		Collision Fixed Object		47 - Embankment		55 - Mail Box		68 - Other				01 - Cargo/Equip Loss or Shift		05 - Fire/Explosion		08 - Overturn/Followover		28 - Railway Veh.		40 - Bridge Overhead Structure		48 - Equipment		58 - Median Barrier		69 - Unk.				02 - Cross Median/Center Line		06 - Immenation		09 - Ran off Road Left		29 - Work Zone Maint. Equip.		41 - Bridge Pier/Abutment		49 - Fence		59 - Overhead Sign Support						03 - Downhill Runaway		07 - Jackknifed		10 - Ran off Road Right		30 - Other Movable Object		42 - Bridge Pier or Abutment		50 - Guardrail End		59 - Other (Post, Pole, Support, Etc.)						Event 1		Event 2		Event 3		Event 4		Event 5		Event 6		Event 7		Event 8		Event 9		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		141		142		143		144		145		146		147		148		149		150		151		152		153		154		155		156		157		158		159		160		161		162		163		164		165		166		167</	
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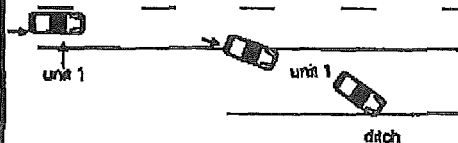
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ORIGINAL

SOUTH CAROLINA DPS/OHS & DMV USE ONLY				Page 1 of 1		SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM				# Of Units		Amended - Attach Copy of Original Report		Notified		Arrived	
10125253						TR-310 (Rev. 7/2010)				01		Corrected		0844		0908	
Date		Time of Collision		County		Collision Location (Rt. # / Name)		Main		Connection		Miles		Dir.		In (Near) City or Town of:	
11-04-2010		0755		11		E 05/		2-Alternate		7-Business		3.10		N E		BLACKSBURG	
Lane # / Dir.		Distance Offset		Direction		1- Interstate		4- Secondary		Base Intersection (Rt. # / Name)		Main		Connection		GPS COORDINATES 00 00 00.00	
# /		Miles		N E		2- US Primary		5- County		20 E CHEROKEE ST		2-Alternate		7-Business		DEGREES MINUTES SECONDS	
R.R. Id.		From		Ramp Only		To		1- Interstate		4- Secondary		Main		Connection		Latitude	
N E 1- Entrance		S W 2- Exit		N E		S W		2- US Primary		5- County		2-Alternate		7-Business		35 08 34.17	
								3- SC Primary		6- Other		5-Spur		9-Other		Longitude	
								3- SC Primary		6- Other		5-Spur		9-Other		01 28 00.04	
E-006098				Driver/Pedestrian's Full Name				Driver/Pedestrian's Full Name									
BRUCE				HOWARD				LEONARD									
Unit #		Sex		Race		Street/R.F.D.		Unit #		Sex		Race		Street/R.F.D.			
01		M		B		244 EAST EUFAULA ST		01		M		B		244 EAST EUFAULA ST			
# Occ		Birth Date		City, State, & Zip				# Occ		Birth Date		City, State, & Zip					
1		08-11-1984		OZARK		AL 36360		1		08-11-1984		OZARK		AL 36360			
State		Driver's License #		Class		Insurance Company		State		Driver's License #		Class		Insurance Company			
MD		B620313507628		C		LIBERTY MUTUAL		MD		B620313507628		C		LIBERTY MUTUAL			
Year		Body		Vehicle Make		VIN #		Year		Body		Vehicle Make		VIN #			
1999		PU		DODG		1B7G122X3K3287775		1999		PU		DODG		1B7G122X3K3287775			
State		Year		License Plate #		Owner's D.L. #		State		Year		License Plate #		Owner's D.L. #			
AL		2011		26A42B5		B620313507628		AL		2011		26A42B5		B620313507628			
Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name			
(334) 4451333		BRUCE		(334) 4451333		HOWARD		(334) 4451333		BRUCE		(334) 4451333		HOWARD			
Bus. Telephone		Street/R.F.D.		Bus. Telephone		Street/R.F.D.		Bus. Telephone		Street/R.F.D.		Bus. Telephone		Street/R.F.D.			
(334) 7330321		244 EAST EUFAULA ST		(334) 7330321		244 EAST EUFAULA ST		(334) 7330321		244 EAST EUFAULA ST		(334) 7330321		244 EAST EUFAULA ST			
Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip			
Yes		OZARK		Yes		OZARK		Yes		OZARK		Yes		OZARK			
No		AL 36360		No		AL 36360		No		AL 36360		No		AL 36360			
Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No		Alc/Drg Info (see back): Yes No		Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No	
65		65		Summons #		Code		Summons #		65		65		Summons #		Code	
				E083285		21		PATTERSON ROT						E083285		21	
Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name		Driver/Pedestrian's Full Name			
Unit #		Sex		Race		Street/R.F.D.		Unit #		Sex		Race		Street/R.F.D.			
01		M		B		244 EAST EUFAULA ST		01		M		B		244 EAST EUFAULA ST			
# Occ		Birth Date		City, State, & Zip				# Occ		Birth Date		City, State, & Zip					
1		08-11-1984		OZARK		AL 36360		1		08-11-1984		OZARK		AL 36360			
State		Driver's License #		Class		Insurance Company		State		Driver's License #		Class		Insurance Company			
MD		B620313507628		C		LIBERTY MUTUAL		MD		B620313507628		C		LIBERTY MUTUAL			
Year		Body		Vehicle Make		VIN #		Year		Body		Vehicle Make		VIN #			
1999		PU		DODG		1B7G122X3K3287775		1999		PU		DODG		1B7G122X3K3287775			
State		Year		License Plate #		Owner's D.L. #		State		Year		License Plate #		Owner's D.L. #			
AL		2011		26A42B5		B620313507628		AL		2011		26A42B5		B620313507628			
Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name		Home Telephone		Owner's Full Name			
(334) 4451333		BRUCE		(334) 4451333		HOWARD		(334) 4451333		BRUCE		(334) 4451333		HOWARD			
Bus. Telephone		Street/R.F.D.		Bus. Telephone		Street/R.F.D.		Bus. Telephone		Street/R.F.D.		Bus. Telephone		Street/R.F.D.			
(334) 7330321		244 EAST EUFAULA ST		(334) 7330321		244 EAST EUFAULA ST		(334) 7330321		244 EAST EUFAULA ST		(334) 7330321		244 EAST EUFAULA ST			
Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip		Contributed To Collision		City, State, & Zip			
Yes		OZARK		Yes		OZARK		Yes		OZARK		Yes		OZARK			
No		AL 36360		No		AL 36360		No		AL 36360		No		AL 36360			
Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No		Alc/Drg Info (see back): Yes No		Estimated Speed		Speed Limit		C.D.L. Req: Yes No		T/B S Req: Yes No	
65		65		Summons #		Code		Summons #		65		65		Summons #		Code	
				E083285		21		PATTERSON ROT						E083285		21	
Dir. of Travel:		Unit 1: (N) S E W		Unit 2: N S E W		Unit 3: N S E W		Dir. of Travel:		Unit 1: (N) S E W		Unit 2: N S E W		Unit 3: N S E W			
Unit 1 Dam.		Unit 2 Dam.		Unit 3 Dam.		Prop. Dam. 1		Unit 1 Dam.		Unit 2 Dam.		Unit 3 Dam.		Prop. Dam. 1		Prop. Dam. 2	
\$4000		\$		\$		\$		\$4000		\$		\$		\$		\$	
Property Owner/Witness		Property Owner/Witness		Property Owner/Witness		Property Owner/Witness		Property Owner/Witness		Property Owner/Witness		Property Owner/Witness		Property Owner/Witness			
Address		City		Address		City		Address		City		Address		City			
State		Zip		State		Zip		State		Zip		State		Zip			
Phone		Phone		Phone		Phone		Phone		Phone		Phone		Phone			
Photo:		Describe What Happened (Refer to Units by Number)		Photo:		Describe What Happened (Refer to Units by Number)		Photo:		Describe What Happened (Refer to Units by Number)		Photo:		Describe What Happened (Refer to Units by Number)			
Y (N)		Y (N)		Y (N)		Y (N)		Y (N)		Y (N)		Y (N)		Y (N)			
UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.		UNIT 1 WAS TRAVELING NORTH ON I-85. THE DRIVER OF UNIT 1, TRAVELING TOO FAST FOR CONDITIONS (WET ROAD), LOST CONTROL OF THE VEHICLE, TRAVELING OFF THE RIGHT SIDE OF THE ROAD, DOWN AN EMBANKMENT STRIKING A DITCH.			
Investigating Officer's Name		Rank		Badge #		Jurisdiction Code		Investigating Officer's Name		Rank		Badge #		Jurisdiction Code			
HORNE - CHARLES B		CPL		A105		HP04		HORNE - CHARLES B		CPL		A105		HP04			
Review Date		Reviewer's Name		Rank		Internal Agency Code		Review Date		Reviewer's Name		Rank		Internal Agency Code			
11-05-2010		BOBBY ALBERT		SGT		10GW158809		11-05-2010		BOBBY ALBERT		SGT		10GW158809			



I-85

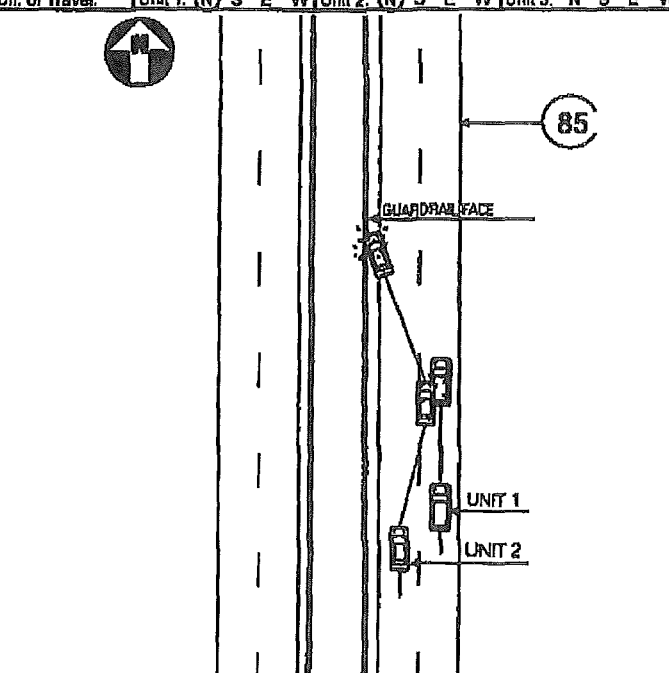
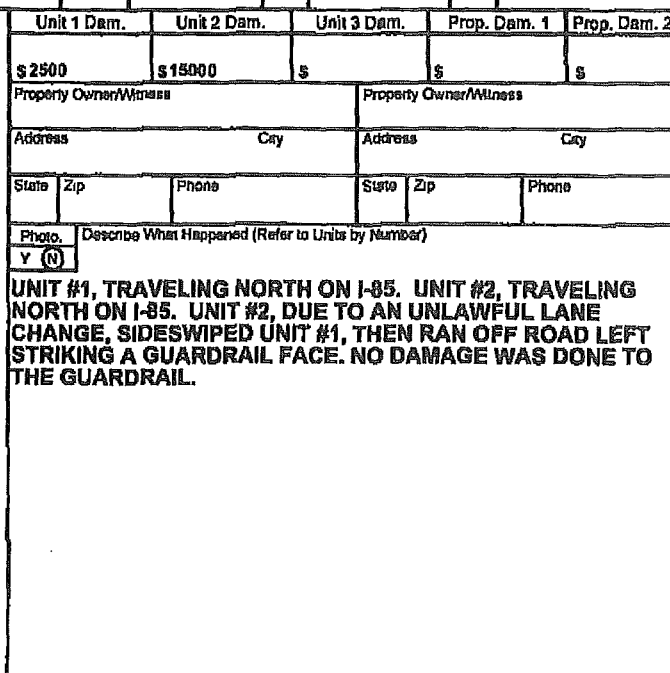


ditch

NOTICE - THE TR-310 IS FOR STATISTICAL REPORTING PURPOSES ONLY AND IS A REFLECTION OF THE OFFICER'S BEST KNOWLEDGE, OPINION AND BELIEF COVERING THE COLLISION BUT NO WARRANTY IS MADE AS TO THE FACTUAL ACCURACY THEREOF.

[illegible]

JAN 25 2011

SOUTH CAROLINA DPS/OHS & DMV USE ONLY		Page # 1		SOUTH CAROLINA TRAFFIC COLLISION REPORT FORM TR-310 (Rev. 7/2010)		# Of Units 02		Amended - Attach Copy of Original Report		Notified		Arrived	
10151295		01		01		02		0051		0059			
Date 12-29-2010		Time of Collision 0945		County 11		Collision Location (Rt. # / Name) 5 85/		Collision Location (Rt. # / Name) 5 85/		Miles: 3.07		Dir. N E S W	
Lane # / Dir. 2 4 S W		Distance Offset .75		Direction N E S W		Base Intersection (Rt # / Name) 90/ TRIBAL RD		Base Intersection (Rt # / Name) 20/ E CHEROKEE ST		GPS COORDINATES 00 00 00.00"		DEGREES MINUTES SECONDS	
R.R. Id.		From N E 1 - Entrance S W 2 - Exit		Ramp Only N E S W		To 1 - Interstate 2 - US Primary 3 - SC Primary 4 - Secondary 5 - County 6 - PP		To 1 - Interstate 2 - US Primary 3 - SC Primary 4 - Secondary 5 - County 6 - Other		Latitude 35 09 34.57		Longitude 81 28 02.44	
E-018739						E-018740							
Driver/Pedestrian's Full Name DOERHOLT CHRISTIAN ANTHONY						Driver/Pedestrian's Full Name GREENE RASHAD HENRI							
Unit # Sex Race Street/R.F.D. 01 M W 107 WOOD LILY LN						Unit # Sex Race Street/R.F.D. 02 M B 206 N GREENBAY RD APT 205							
Birth Date City, State, & Zip 01-02-1938 SPARTANBURG SC 293072713						Birth Date City, State, & Zip 08-03-1987 WAUKEGAN IL 60085							
State Driver's License # Class Insurance Company SC 002154756 D NATIONWIDE						State Driver's License # Class Insurance Company IL G650-7288-7220 D USAA							
Year Body Vehicle Make VIN # 1995 BU JEEP 1J4FX58S6SC600324						Year Body Vehicle Make VIN # 2009 HB MAZD JM1BK343791243827							
State Year License Plate # Owner's D.L. # SC 2011 GEA373 UNKNOWN						State Year License Plate # Owner's D.L. # VA 2010 XUG675 G650-7288-7220							
Home Telephone (884) 5790750 Bus. Telephone Contributed To Collision Yes No SPARTANBURG SC 29307						Home Telephone (757) 5433138 Bus. Telephone (757) 7738387 Contributed To Collision Yes No FPO VA 09581							
C.D.L. Req: Yes (No) T/B S Req: Yes (No) A/C/Drg Info (see back): Yes (No) Summons # Code Summons # Code Towed Yes (No) No PATTERSON'S						C.D.L. Req: Yes (No) T/B S Req: Yes (No) A/C/Drg Info (see back): Yes (No) Summons # Code Summons # Code Towed Yes (No) No CHAD'S TOWING							
Driver/Pedestrian's Full Name						Driver/Pedestrian's Full Name							
Unit # Sex Race Street/R.F.D. 01 M W 107 WOOD LILY LN						Unit # Sex Race Street/R.F.D. 02 M B 206 N GREENBAY RD APT 205							
Birth Date City, State, & Zip						Birth Date City, State, & Zip							
State Driver's License # Class Insurance Company						State Driver's License # Class Insurance Company							
Year Body Vehicle Make VIN #						Year Body Vehicle Make VIN #							
Dir. of Travel: Unit 1: (N) S E W Unit 2: (N) S E W Unit 3: N S E W						Dir. of Travel: Unit 1: (N) S E W Unit 2: (N) S E W Unit 3: N S E W							
													
Unit 1 Dam. \$2500						Unit 2 Dam. \$15000							
Property Owner/Witness						Property Owner/Witness							
Address City						Address City							
State Zip Phone						State Zip Phone							
Photo. Y (N)						Describe What Happened (Refer to Units by Number)							
UNIT #1, TRAVELING NORTH ON I-85. UNIT #2, TRAVELING NORTH ON I-85. UNIT #2, DUE TO AN UNLAWFUL LANE CHANGE, SIDESWIPE UNIT #1, THEN RAN OFF ROAD LEFT STRIKE A GUARDRAIL FACE. NO DAMAGE WAS DONE TO THE GUARDRAIL.													
NOTICE - THE TR-310 IS FOR STATISTICAL REPORTING PURPOSES ONLY AND IS A REFLECTION OF THE OFFICER'S BEST KNOWLEDGE, OPINION AND BELIEF COVERING THE COLLISION BUT NO WARRANTY IS MADE AS TO THE FACTUAL ACCURACY THEREOF.													
Investigating Officer's Name Rank Badge # Jurisdiction Code Review Date Reviewer's Name Rank Internal Agency Code						Investigating Officer's Name Rank Badge # Jurisdiction Code Review Date Reviewer's Name Rank Internal Agency Code							
QUINN - R L S/TRP T785 HP04 01-03-2011 JON EDDINS CPL 10GW197820													

2010010660

Unit	Date of Birth	Sex	Race	INJ	Seat	RSD	ABD	Eject	LAI	Tran	Name	Street Address	Zip Code
01	01-02-1939	M	W	0	01	13	4	3	1	1	2	DOERHOLT CHRISTIAN ANTHO	107 WOOD LILY LN SPARTANBU SC 293072713
02	08-03-1987	M	B	0	01	13	4	3	1	1	2	GREENE RASHAD HENRI	206 N GREENBAY RD APT WAUKEGAN IL 60085

Race		a) Injury Status		Seating Loc.		20-Pedestrian		80-Sleeper of Cab		Restrain/Safety Device	
A - Asian/Pacific Islander	W - Caucasian	0 - Not Injured	2 - Non-inspectating	01	02	30-Trailing Unit	70-Riding on Unit Exterior	00-None Used	21-Child		
B - African American	H - Hispanic	1 - Possible Injury	3 - Incapacitating	04	05	40-Bus or Van (4th row or Higher)	80-Lap	11-Shoulder belt	Safety Seat		
I - Alaskan Native or American Indian	U - Unk.		4 - Fatal	07	09	50-Other Enclosed Area (nontrailing)	99-Unk./NA	12-Lap Belt Only	88-Other		

Air Bag Deployment / Switch		Ejection		b) 2 or 3 Wheel Motorized Vehicle		Head Injury		3-Freed (non-mech.)		a) Transported to Medical Facility	
1-Deployed Front	4-Not Deployed	1-Not Ejected	2-Part Ejected	1-Not Trapped	1-Yes	2-No	1-Yes	2-No	3-Unknown	1-Yes	2-No
2-Deployed Side	7-Not Applicable	3-Tot. Ejected	7-Not App	2-Extracted (Mechanical Means)	3-Unknown		b) By:	1-EMS	2-Police	8-Other	9-Unk.

Non-Collision		Collision Not Fixed		Collision Fixed Object		47-Embankment		55-Med Bar		68-Other	
01-Cargo/Equip Load or Shift	04-Equipment Failure	20-Animal (Dist Only)	27-Pedestrian	40-Bridge Overhead Structure	46-Equipment	56-Median Barrier	69-Unk.				
02-Cross Median/Cut-off	05-Fire/Explosion	21-Animal (Ab Other)	28-Railway Veh	41-Bridge Pier or Abutment	49-Fence	57-Overhead Sign Support					
03-Downhill Runaway	06-Improper	22-Motor Veh. (In Transport)	29-Wire Zone	42-Bridge Pier or Abutment	50-Guardrail End	58-Other (Post, Pole, Support, Etc.)					

Manner of Collision (Struck Veh)		1st / Most Deformed Area		1st Deformed		Most Deformed	
00-Not Coll. w/ Motor Veh.	30-Rear-to-Rear	1	2	1	2	1	2
10-Rear End	41-Angle (↖↗)	3	4	3	4	3	4
20-Head On	42-Angle (↖↗)	5	6	5	6	5	6

Vehicle Type		15-Full Size Van		27-Pedestrian		61-School Bus	
01-Automobile	16-Mini Van	28-Animal Down Veh	62-Passenger Bus				
12-Pickup Truck	17-Sport Utility	39-Animal (Ridden)	88-Other				

Vehicle Use Code		04-Ambulance		08-Farm Use		12-Fire Fighting	
01-Personal	05-Military	09-Wrecker or Tow	13-Logging				
02-Driver Training	08-Transport Passenger	10-Police	18-Other				

Vehicle Attachment		4-Utility Trailer		8-Towed Motor Vehicle		C-Other Tanker	
11-None	5-Farm Trailer	9-Petroleum Tanker	D-Flat Bed				
21-Mobile Home	6-Trailer w/Boat	A-Lowboy Trailer	E-Tow Trailers				

Action Prior to Impact		(Vehicle)		(Non-motorist)	
01-Backing	06-Parked	21-Approaching/Leaving Vehicle			
02-Changing lanes	08-Stopping or	22-Entering/Crossing Location			
03-Entering traffic lane	Stopped in traffic	23-Playing/Working on Vehicle			

Weather Condition		3-Cloudy		8-Fog, Smog, Smoke	
1-Clear (no adverse conditions)	4-Sleet, Hail	7-Blowing Sand	8-Severe Crosswinds		
2-Rain	5-Snow	Oil, Dirt or Snow	9-Unk.		

Light Condition		3-Dusk		6-Dark (Street Lamp Not Lit)	
1-Daylight	4-Dark (Lighting Unspecified)	7-Dark (No Lights)			
2-Dawn	5-Dark (Street Lamp Lit)				

Junction Type		03-Five/More Points		07-Shared Use Paths or Trail		12-Y-Intersection	
01-Crossover	04-Four-way Intersection	08-T-Intersection	13-Nonjunction				
02-Driveway	05-Railway Grade Crossing	09-Traffic Circle	99-Unk.				

Contributing Factors		09-Made an Improper Turn		10-Medical Related		30-Debris	
01-Disregarded Signs, Signals, Etc	12-Aggressive Operation of Vehicle	13-Over-correcting/Over-steering	14-Swerving to Avoiding Object	15-Wrong Side or Wrong Way	16-Under the Influence	17-Vision Obscured (Within Unit)	18-Improper Lane Usage/Change
02-Distracted/Inattention	14-Swerving to Avoiding Object	15-Wrong Side or Wrong Way	16-Under the Influence	17-Vision Obscured (Within Unit)	18-Improper Lane Usage/Change	19-Cell Phone	20-Texting

Roadway		Non-Motorist		Environmental	
31-Non-highway Work	48-Other	50-Inattention	60-Animal in Road	61-Glare	68-Weather Cond
32-Obstruction in Roadway	49-Unk	51-Lying &/or Illegally in Roadway	62-Obstruction		69-Unk.
33-Road Surface Condition (i.e., Wet)		52-Failure to Yield R. of W			

Vehicle Defect	
70-Brakes	78-Windows/Shield
71-Suening	77-Restraint System
72-Power Plant	78-Truck Coupling
73-Tires/Wheel	79-Cargo
74-Lights	80-Fuel System
75-Signals	88-Other

PROJECT DB-13 I-85 NSTRPIN 39024 SH 1 OF 4TRUCK-Climbing Lane
WARRANTSBY 7/1/02 DATE 6/10/02FILE NO. 1113.039094

CHK _____ DATE _____

TRUCK-CLIMBING LANE WARRANTS (WDM 12.4.1.2)

NEW VPI WILL BE NEAR 2165400. W/ CURVE LENGTH = 790'

NEW CREST VPI WILL BE NEAR 2183450 W/ CURVE LENGTH = 1881'

G₁ LENGTH = (2174419) - (2167490) = 424'G₁ = 4.5%

$$L = \frac{1}{4}(790') + 424' + \frac{1}{4}(1881') = 1092'$$

FROM WDM, FIG 12.3A, SPEED REDUCTION = 10 mphANS.LEVEL OF SERVICE

$$FES = TSFS - f_{LW} - f_{LC} - f_N - f_{IC} \quad (HCM 2000)$$

$$f_{LW} = 0.0 \quad (12' \text{ LANES})$$

$$f_{LC} = 0.0 \quad (2 \text{ LANES, } > 6 \text{ ft LC})$$

$$f_N = 0.0 \quad (\text{RURAL SEGMENT})$$

$$f_{IC} = 0.0 \quad (3 \text{ INTERCHANGES IN 6 MILES} = 0.5 \text{ IC/mi})$$

$$v_p = \frac{V}{PHF \cdot N \cdot f_{HV} \cdot f_p}$$

$\frac{1}{2}$ DIRECTIONALITY
ASSUMED FOR RURAL HCM 500

$$= \frac{(18,298 \text{ veh/day})(0.10)}{(0.80)(2)(0.917)(1.00)} \quad (\text{ANSWER ON CAT 2})$$

ASSUMED FOR RURAL

$$f_T = 1.5 \quad (\text{DOWNGRADE} = 4.5\%, \leq 7\% \text{ TRUCKS} = 13\%)$$
$$(\text{UPGRADE} = 4.5\% \text{ } L < 0.25)$$

$$f_{HV} = \frac{1}{1 + P_T(E_T - 1) + P_R(E_R - 1)}$$

ASSUMES 0 NOT COUNTED

$$= \frac{1}{1 + (0.10)(1.5 - 1)} = 0.917$$



PROJECT _____

PIN _____ SH 2 OF 4

BY _____ DATE _____

FILE NO. _____

CHK _____ DATE _____

$$\frac{f}{f_v} = 1.00 \text{ (NO OTHER DATA KNOWN, HEM p. 23 12)}$$

$$v_p = 124.7 \text{ pc/hpl}$$

$$S_{\text{simple}} = FFS - \left[\left(FFS - \frac{160}{3} \right) \left(\frac{v_p + 30 FFS - 3400}{30 FFS - 1600} \right)^{2.6} \right]$$

$$= 75 - \left[\left(75 - \frac{160}{3} \right) \left(\frac{224.5 + 30(75) - 3400}{30(75) - 1600} \right)^{2.6} \right]$$

$$= 59.6 \text{ mph}$$

$$D = \frac{v_p}{S} = \frac{124.7}{59.6} = 20.9 \text{ pc/m / in}$$

$$\boxed{LOS = C}$$

ANS.

ON APPROACHES TO GRADES, E_T IS STILL 1.5. THEREFORE,
 f_{IV} DOES NOT CHANGE.

TRUCK-CLIMBING LANE CONSIDERATION (HDM 12.4.1.2)

① DIRECTIONAL VOL. $> 1000 \text{ veh/h}$ Yes $(18,248 \frac{\text{veh}}{\text{h}})(0.10) = 1,820$

② CONSTRUCTION COSTS REASONABLE?

$$\text{EST: ADD'L SOIL @ } (3092 \text{ LF}) / (6 \text{ A}) / (1 \text{ ft}) \approx 150,400 \text{ CF}$$

$$= \$5,580 \text{ CF}$$

$$\text{@ } 11.55/\text{CF} = \$64,400$$

$$\text{ADD'L ASPHALT @ } (2092 \text{ LF}) / (2 \text{ ft}) \approx 25,100 \text{ SF}$$

$$= 2,790 \text{ SF}$$

$$\text{@ } 1.910/\text{SF} = 2,660 \text{ SF}$$

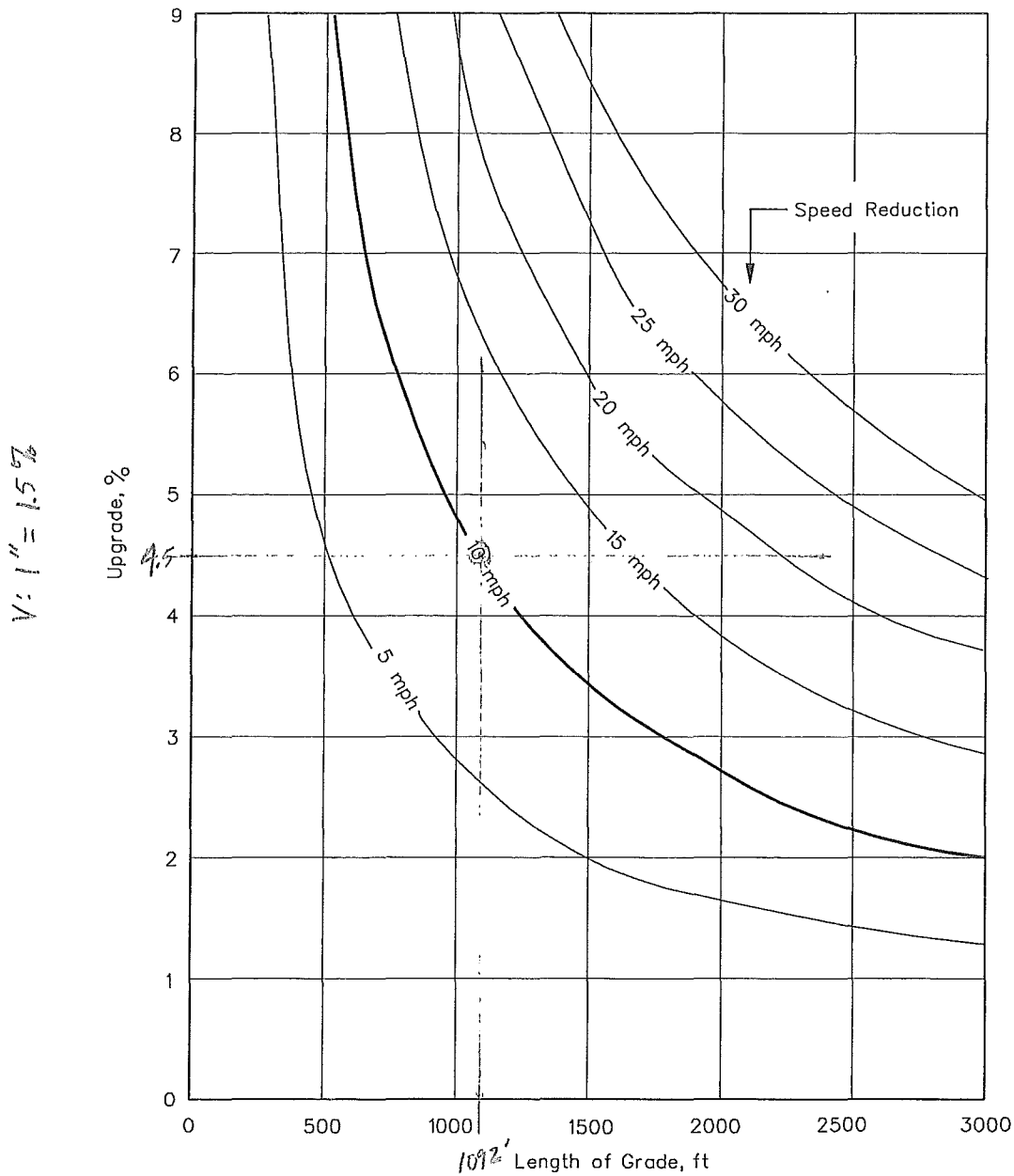
$$\text{@ } \$50.39/\text{ton} = \$131,010$$

$$\text{ADD'L SUMMER @ } (1 \text{ ft}) / (2,660 \text{ SF}) \approx 160 \text{ tons}$$

$$\text{@ } \$510.00 = \$81,400$$

(CONTINUED ON 4)

Sheet 3 of 4



$$H: \frac{3}{4}'' = 50 \text{ ft}$$

Notes:

1. Typically, the 10 mile-per-hour curve will be used.
2. See examples in this Section for use of figure.
3. Figure is based on a truck with initial speed of 70 miles per hour. However, it may be used for any design or posted speed.

CRITICAL LENGTH OF GRADE
(200 lb/hp Truck)

Figure 12.3A



PROJECT _____

PIN _____ SH 4 OF 4

BY _____ DATE _____

FILE NO. _____

CHK _____ DATE _____

ADD'L STRUCTURE WITH R (124)(169) = 2,035 SF
@ \$125/SF = \$254,375

SUMMARY RTYS = \$534,000

+ 50% INCIDENTAL = \$267,000

TOTAL = \$801,000

COSTS ABOVE DO NOT NECESSARILY INCLUDE ROW COSTS. BUDGET FOR PROJECT IS \$10,500,000. THE TRUCK-CLIMBING WOULD ADD AT LEAST 8% THE PROJECT'S CONSTRUCTION COST.

BASED ON THE ABSENCE OF GRADE-RELATED CRASHES IN THE 3 YEARS EVALUATED, THE COST IS CONSIDERED UNEASURABLE.

NO

③ THE CRITICAL LENGTH OF GRADE FOR 10 mph SPEED REDUCTION CRITERIA IS MET OR SLIGHTLY EXCEEDED.

YES

④ LOS ON UPGRADE IS C

NO

⑤ LOS FROM APPROACH TO GRADE IS NOT AFFECTED.

NO

⑥ THREE-YEAR CRASH HISTORY CONTAINS NO CRASHES ATTRIBUTABLE TO GRADE. THEREFORE, SAFETY CONSIDERATIONS DO NOT REQUIRE TRUCK-CLIMBING LANE

NO

WARRANTS (NORTHBOUND)

[① AND ② AND (③ OR ④ OR ⑤)] OR ⑥
= [YES AND NO AND (YES OR NO OR NO)] OR NO

WARRANTS NOT MET.

ANS.

WARRANTS (SOUTHBOUND)

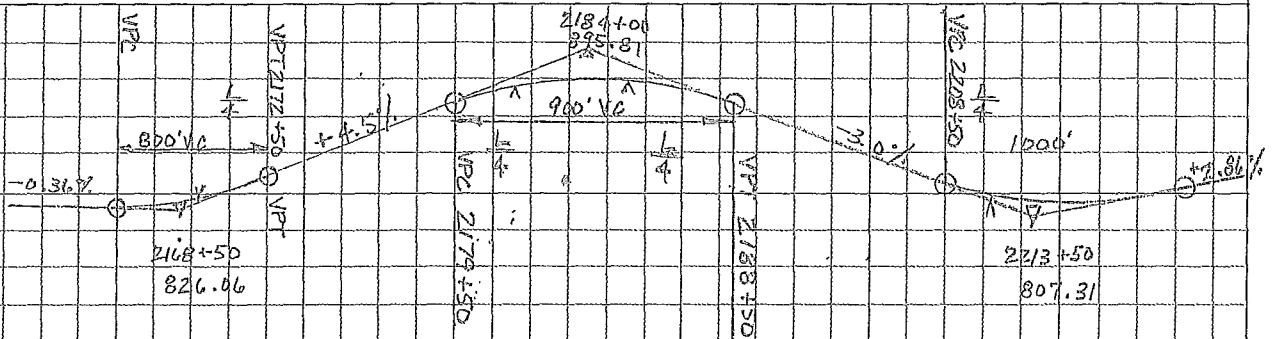
SINCE SOUTHBOUND LANE IS LONGER THAN NORTHBOUND, WARRANT ③ WOULD NOT BE MET. ALL OTHER WARRANTS ARE AS FOR NORTHBOUND, AND A TRUCK CLIMBING LANE IS NOT REQUIRED.

PROJECT I-85PIN _____ SH 1 OF 1

CRITICAL LENGTH OF _____

BY CEL DATE 5/25/12FILE NO. GRADE

CHK _____ DATE _____



E: DETERMINE IF THE CRITICAL LENGTH OF GRADE IS EXCEEDED

G: VERTICAL GEOMETRY ABOVE
DESIGN SPEED REDUCTION THRESHOLD IS 10 MPHSol'n: G_1 (NORTHBOUND)LENGTH OF 4.5% GRADE IS $\left[\frac{217950 + 900}{4} \right] - \left[\frac{217250 - 800}{4} \right] = 1125'$ @ UPGRADE @ 4.5% w/ 10 MPH REDUCTION LENGTH $\approx 1100'$ (Fig. 12.3A HDM)

CRITICAL LENGTH EXCEEDED.

 G_2 (SOUTHBOUND)LENGTH OF 3.0% GRADE IS $\left[\frac{220850 + 250}{4} \right] - \left[\frac{218850 - 225}{4} \right] = 2475'$ @ UPGRADE @ 3.0% w/ 10 MPH REDUCTION LENGTH $\approx 1750'$ (Fig. 12.3A HDM)

CRITICAL LENGTH EXCEEDED.