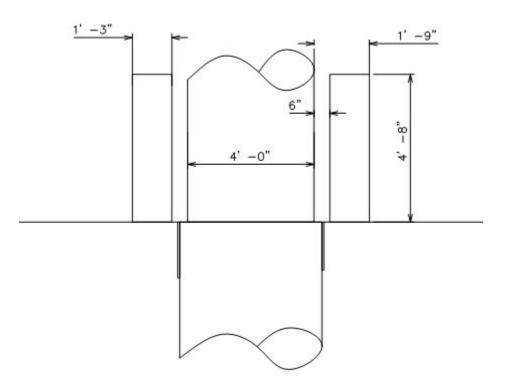
Submitted By: Chris Lacy Date: 1 / 15 / 19	Recommended: Chris Lacy Date: 3 /1 /19
Brian Klauk	Engineer of Record
Program / Project Manager	
BASIS OF DESIGN EXCEPTION	
Request for Approval of Design Exceptions to AASHT	O Guidelines
Request for Approval of Design Exceptions from Stand	ard SCDOT Procedures
PROJECT CHARACTERISTICS	
County: Richland Rd./Route: 1-126	Const. Pin: P039718
	To: 2
Length: 2 miles	MPO/COG: COATS
Work Type: Additional lane being added to I-126	
Functional Classification: Interstate	
Group Designation: (1 1 2 1 3 1 4) (if applicable)	
Type of Terrain: (Level 7 Rolling 7 Mountainous)
Design Speed:(mph)	
2020 ADT 67,800	
2040 _{ADT} 78,000	
TRUCKS 5 %	
CRASH ANALYSIS (Attach additional sheets with accident history data)	
TOTAL PROJECT ESTIMATE (\$) 110M	
CHECK APPROPRIATE BOX(ES) FOR DESIGN EXCEP	
Design Speed Maximum Grade Horizontal Alignment Vertical Clearance	Travel Lane Width
	Shoulder Width
 Minimum Radii Bridge Width Vertical Alignment Structural Capacity 	Horizontal Clearance
Level SSD K-Values Superclevation Rate	Stopping Sight Distance
Cross Slope	
DESCRIBE ELEMENT(S) FOR DESIGN EXCEPTION(S)	
(Attach additional sheets as needed)	
-	

JUSTIFICATION FOR DESIGN EXCE			
(Attach additional sheets as needed)		·	
See Attachment A			
	DESIGN EXCEPTION(S), INCLUDE COST		
See Attachment A			
HOW WILL FUTURE CONSTRUCTION	<u> IN IMPACT DESIGN EXCEPTION(S)?</u>		
See Allachment A			
	· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·		
RECORD OF DECISION			
For	For	Approved	
	For Against	Approved Denied	
For Against	Against	Denied	
For Against (Regional Design Manager Date	Against	Denied	28/06 / <u>Zoz</u> Date
For Against	Against Against <u>Regional Production Engineer</u> TROJECT NAVAGER	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) Contemposition of the second seco	Against	Denied	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur	Against Against (Regional Production Engineer) Date TROJECT NAVAGER POR CAPOLINA CROSSROADS	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitowicz	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitowicz	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitowicz	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitowicz FHWA (NHS > \$50 million & All Interstat	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitowicz FHWA (NHS > \$50 million & All Interstat	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitowicz FHWA (NHS > \$50 million & All Interstat	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against Against (Regional Design Manager / DEA) (Regional Design Manager / DEA) X Concur Thaddeus Kitowicz FHWA (NHS > \$50 million & All Interstat CC: Director of Preconstruction FHWA Preconstruction Support Engineer	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against (Regional Design Manager Program Manager / DEA) X Concur Thaddeus Kitewicz FHWA (NHS > \$50 million & All Interstat CC: Director of Preconstruction FHWA Preconstruction Support Engineer Regional Production Group Engineer	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date
For Against Against (Regional Design Manager / DEA) (Regional Design Manager / DEA) X Concur Thaddeus Kitowicz FHWA (NHS > \$50 million & All Interstat CC: Director of Preconstruction FHWA Preconstruction Support Engincer	Against Against (Regional Production Engineer) - Date TROJECT NAVAGER POR CAPOLINA CROSSROADS 09/24/2020	(Director of Preconstruction) Acrows Director of MEAN	Date

Attachment A – Design Exception

Describe Elements for Design Exception:

Bridges along I-126 within the project limits of Carolina Crossroads would be reconstructed as part of the Carolina Crossroads project. The existing inside shoulder width along I-126 is approximately 4.75'. The proposed inside shoulder width is 10'. For bridges constructed with assumed 4' diameter columns the inside shoulder width would be reduced from 10' to 6.25'.



Justification for Design Exception:

The design exception is requested to allow spot locations where the inside shoulder would be less than 10' (approximately 6.25') but greater than the existing 4.75'. Stopping sight distance would still be provided per the contract documents for the design-build project.

A predictive crash analysis was performed by the Traffic Safety office and found no substantial increase in crash volumes between a 10' shoulder and 6' shoulder in either a 5-lane or a 4-lane section. See Attachment C.

Describe Steps to Eliminate Design Exception (include Costs):

To provide a 10' inside shoulder, the crown point of I-126 in both directions would need to be shifted approximately 3.75'. This would then result in deflections of the horizontal alignment and introduce curves or tapers into the mainline geometry which is undesirable. The span length would also increase in order to provide the necessary clear width. Due to the proximity of Arrowwood Road under-passing Colonial Life Blvd., retaining walls would be constructed to minimize the distance the ramps would be realigned away from the I-126 end bents.

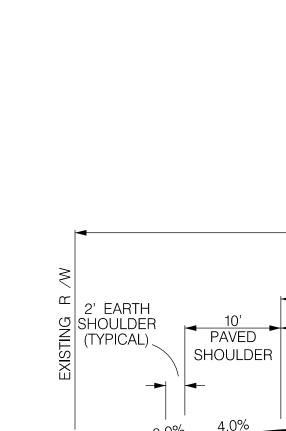
Another strategy to eliminate the exception could be to construct the Colonial Life Blvd. bridge over I-126 with a single span. A single span bridge would require the grade of Colonial Life Blvd. to be raised over I-126 due to the depth of the bridge structure. The interchange of I-126 at Colonial Life Blvd. is constrained between the CSX Railroad tracts to the west and a fully developed residential community on the east. The estimated cost of a single span bridge including the roadway approach work is \$3.0M. Based on the cost schedule risk assessment (CSRA), the estimated cost of the bridge proposed is \$2.2M. Due to the constraints of the railroad, residential neighborhood and the increase in cost, a design exception is warranted at this location.

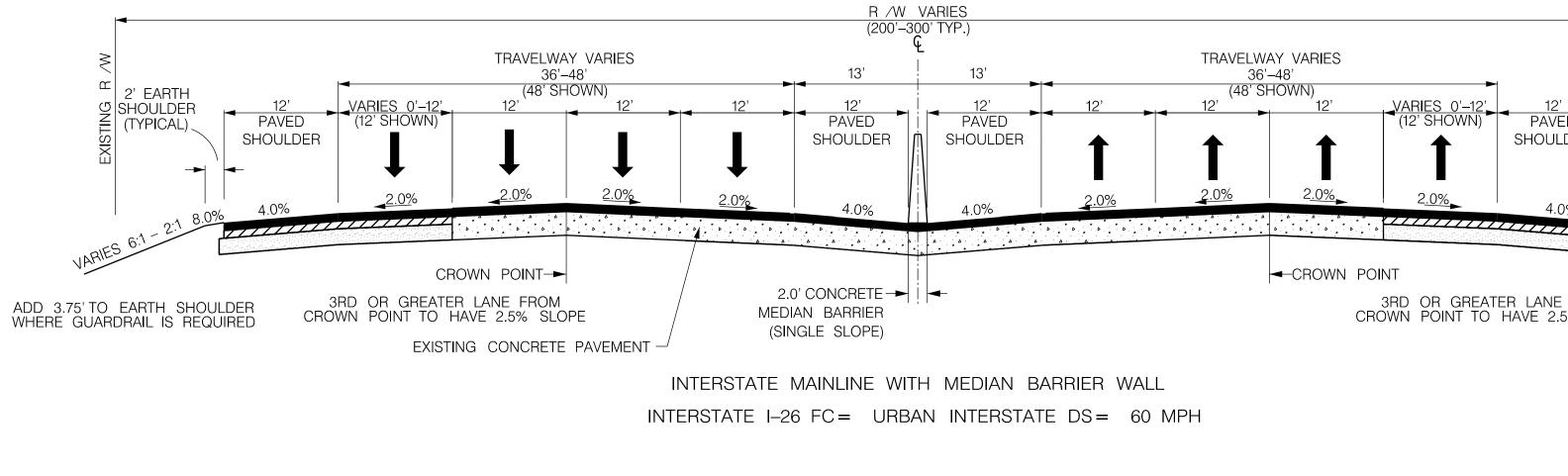
Other strategies such as reduction in lane width to provide shoulder width was ruled out due to the nature of the volume and truck percentage. Providing 12' lanes on the interstate is more desirable in this location.

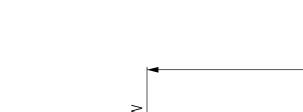
How will future Construction Impact Design Exception?

Due to constraints of roadside development to the east and the CSX Railroad, this project is considered the ultimate build-out for the corridor and no future lanes are anticipated.

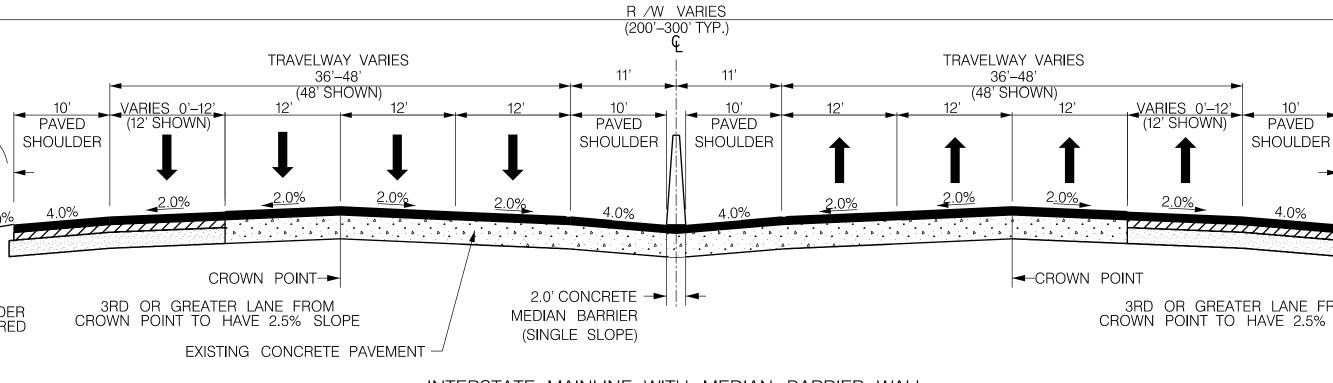


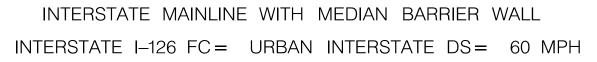












RTE.	DESIGN SPEED		PAVEMENT DESIGN	DEPART		NSPORTATION
MPH	FROM STA.	TO STA.		ROAD D	ESIGN CC	DLUMBIA, S.C.
			APPROVED BY	CARO	LINA CROS I–26/I–126/I-	
				TY	PICAL SEC	TIONS
			DATE	SCALE:	RTE.	DWG. NO.

	FED. ROAD DIV. NO.	STATE		PROJECT ID	RTE. NO.	SHEET NO.
	3	S.C.	LEXINGTON RICHLAND	XX.XXXX		
\geq						
2' EARTH						
2' EARTH SHOULDER (TYPICAL)						
.0% 8.0%						
6.7						
E FROM 2.5% SLOPE						
2.5% SLOPE						
──						
2' EARTH SHOULDER (TYPICAL)						
8.0%						
6.7						
FROM G SLOPE						

Crash Summary

I- 126 (EB Only) from MPT 0.000 to MPT 1.500

RICHLAND COUNTY

01/01/2015 - 09/30/2018 (3.7 years)

Length = 1.500 miles

AADT = 77,026

Functional Class = Urban -- Principal Arterial - Interstate

Crashes by Injury Class

Total Crashes	31
PDO Crashes	22
Injury Crashes	8
Fatality Crashes	1

Crashes by Manner Of Collision

Rear End	11
Angle	2
Sideswipe	8
Head On	0
Run Off Road	9
Animal	1
Bicycle	0
Pedestrian	0
Other	0
Total Crashes	31

Special Contributing Factors

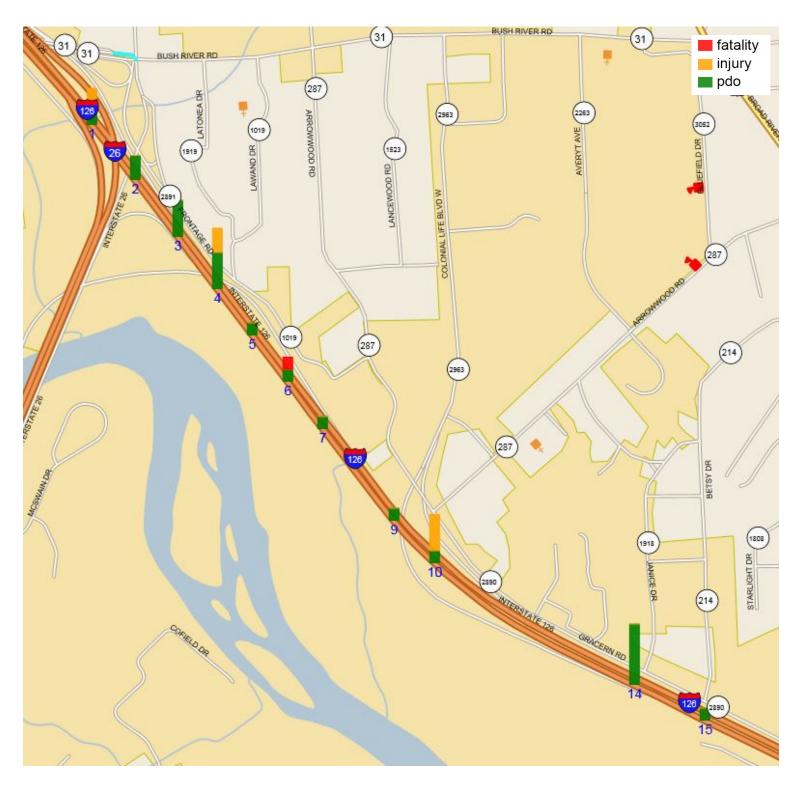
Night	7
Day	24
Wet	4
Dry	27

I- 126 (EB Only) from MPT 0.000 to MPT 1.500

RICHLAND COUNTY

01/01/2015 - 09/30/2018 (3.7 years)

Length = 1.500 miles AADT = 77,026



I- 126 (EB Only) from MPT 0.000 to MPT 1.500

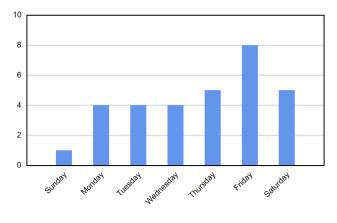
RICHLAND COUNTY

01/01/2015 - 09/30/2018 (3.7 years)

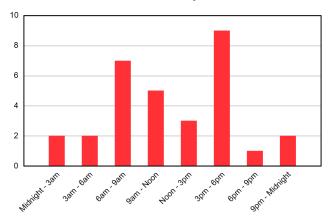
Length = 1.500 miles AADT = 77,026

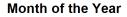
Year	2015	2016	2017	2018	Total
Rear End	3	3	4	1	11
Angle	0	1	1	0	2
Sideswipe	2	2	3	1	8
Head On	0	0	0	0	0
Run Off Road	1	5	2	1	9
Animal	0	0	0	1	1
Bicycle	0	0	0	0	0
Pedestrian	0	0	0	0	0
Other	0	0	0	0	0
	6	11	10	4	31

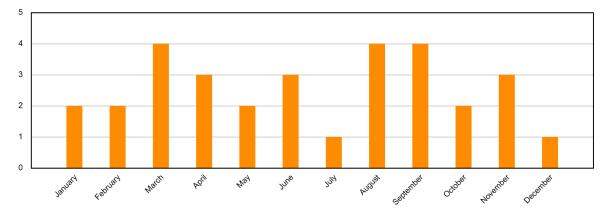
Day of the Week



Time of Day







MPT 0.000 to 0.100 (Stack #1)

Т	otal Crashes: 4	Light: 3	Dark: 1	Dry:	3 Wet: 1	Fatalities: 0	Injuries: 2	PDO: 2
	1 15528611	0.096 INJ0	DAY	WET	MOTOR VEH	ICLE (IN TRANSI	PORT)	REAR END
	2 17531925	0.000 INJ2	DARK	DRY	MEDIAN BAR	RIER		NO COLLISION W/MV
[3 17605277	0.075 INJ1	DAY	DRY	MEDIAN BAR	RIER		ANGLE
	4 18563447	0.096 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSI	PORT)	SIDESWIPE SAME

MPT 0.100 to 0.200 (Stack #2)

Total Crashes: 4	Light: 3	Dark: 1	Dry:	3 Wet: 1	Fatalities: 0	Injuries: 1	PDO: 3
1 15514819	0.170 INJ0	DARK	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	SIDESWIPE SAME
2 17551639	0.149 INJ1	DAY	WET	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
3 17605816	0.100 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	SIDESWIPE SAME
4 17664595	0.100 INJ0	DAY	DRY	OVERTURN/I	ROLLOVER		NO COLLISION W/MV

MPT 0.200 to 0.300 (Stack #3)

Total Crashes: 3	Light: 3	Dark: 0	Dry:	3 Wet: 0	Fatalities: 0	Injuries: 0	PDO: 3
1 16599310	0.260 INJ0	DAY	DRY	OVERTURN/	ROLLOVER		NO COLLISION W/MV
2 17550075	0.260 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
3 17677577	0.232 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSI	PORT)	SIDESWIPE SAME

MPT 0.300 to 0.400 (Stack #4)

Т	otal Crashes: 5	Light: 3	Dark: 2	2 Dry:	4 Wet: 1	Fatalities: 0	Injuries: 2	PDO: 3	
	1 15503665	0.321 INJ1	DAY	DRY	MOTOR VEHIC	CLE (IN TRANSF	PORT)	SIDESWIPE SAME	
	2 16524832	0.359 INJ0	DAY	DRY	MOTOR VEHIC	CLE (IN TRANSF	PORT)	REAR END	
	3 16607270	0.339 INJ0	DAY	DRY	MEDIAN BARF	RIER		NO COLLISION W/MV	
	4 16679553	0.353 INJ0	DAWN	WET	MOTOR VEHIC	CLE (IN TRANSF	PORT)	SIDESWIPE SAME	
	5 18541424	0.379 INJ2	DARK	DRY	MOTOR VEHIC	CLE (IN TRANSF	PORT)	REAR END	

MPT 0.400 to 0.500 (Stack #5)

Total Crashes: 1	Light: 0	Dark: 1	Dry:	1 Wet: 0	Fatalities: 0	Injuries: 0	PDO: 1
1 16639063	0.452 INJ0	DARK	DRY	MEDIAN BAR	RIER		NO COLLISION W/MV

MPT 0.500 to 0.600 (Stack #6)

Total Crashes: 2	Light: 2	Dark: 0	Dry:	2 Wet: 0	Fatalities: 1	Injuries: 0	PDO: 1
1 16548296	0.534 INJ4	DAY	DRY	MEDIAN BAR	RIER		NO COLLISION W/MV
2 17580375	0.500 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANS	PORT)	REAR END

MPT 0.600 to 0.700 (Stack #7)

Total Crashes: 1	Light: 1	Dark: 0	Dry:	1 Wet: 0	Fatalities: 0	Injuries: 0	PDO: 1
1 16620590	0.653 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSI	PORT)	ANGLE

MPT 0.800 to 0.900 (Stack #9)

Total Crashes: 1	Light: 1	Dark: 0	Dry: '	Wet: 0	Fatalities: 0	Injuries: 0	PDO: 1
1 15601594	0.852 INJ0	DAY	DRY	MOTOR VEH	ICLE (STOPPED))	REAR END

MPT 0.900 to 1.000 (Stack #10)

Tota	d Crashes: 4	Light: 3	Dark: 1	Dry:	3 Wet: 1	Fatalities: 0	Injuries: 3	PDO: 1
	1 16638513	0.941 INJ0	DAY	DRY	MOTOR VEH	IICLE (IN TRANS	PORT)	SIDESWIPE SAME
	2 16652760	0.970 INJ2	DAY	WET	MEDIAN BAF	RRIER		NO COLLISION W/MV
:	3 17571868	0.901 INJ2	DAY	DRY	MOTOR VEH	IICLE (IN TRANSI	PORT)	SIDESWIPE SAME
	4 18505079	0.936 INJ1	DARK	DRY	MEDIAN BAF	RRIER		NO COLLISION W/MV

MPT 1.300 to 1.400 (Stack #14)

Total Crashes: 5	Light: 4	Dark: 1	1 Dry:	5 Wet: 0 Fatalities: 0 Injuries: 0	PDO: 5
1 15561524	1.396 INJ0	DAY	DRY	MEDIAN BARRIER	NO COLLISION W/MV
2 15603487	1.331 INJ0	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
3 16660293	1.372 INJ0	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
4 17634997	1.350 INJ0	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
5 18560012	1.385 INJ0	DARK	DRY	ANIMAL (DEER ONLY)	NO COLLISION W/MV

MPT 1.400 to 1.500 (Stack #15)

Total Crashes: 1	Light: 1	Dark: 0	Dry:	1 Wet: 0	Fatalities: 0	Injuries: 0	PDO: 1
1 16650422	1.475 INJ0	DAY	DRY	MOTOR VEH	ICLE (STOPPED)		REAR END

Crash Summary

I- 126 (WB Only) from MPT 0.000 to MPT 1.500

RICHLAND COUNTY

01/01/2015 - 09/30/2018 (3.7 years)

Length = 1.500 miles

AADT = 77,026

Functional Class = Urban -- Principal Arterial - Interstate

Crashes by Injury Class

Total Crashes	73
PDO Crashes	56
Injury Crashes	16
Fatality Crashes	1

Crashes by Manner Of Collision

Total Crashes	73
Other	1
Pedestrian	0
Bicycle	0
Animal	1
Run Off Road	9
Head On	0
Sideswipe	7
Angle	6
Rear End	49

Special Contributing Factors

Night	19
Day	54
Wet	9

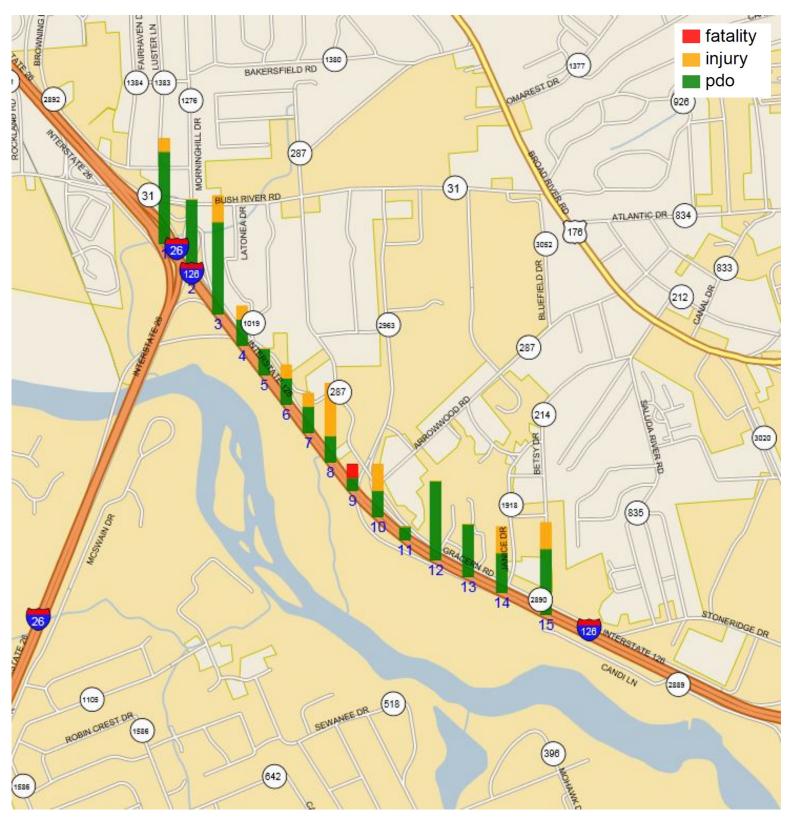
		Ŭ
Dry		64

I- 126 (WB Only) from MPT 0.000 to MPT 1.500

RICHLAND COUNTY

01/01/2015 - 09/30/2018 (3.7 years)

Length = 1.500 miles AADT = 77,026



I- 126 (WB Only) from MPT 0.000 to MPT 1.500

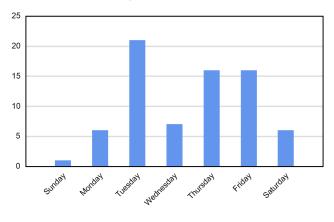
RICHLAND COUNTY

01/01/2015 - 09/30/2018 (3.7 years)

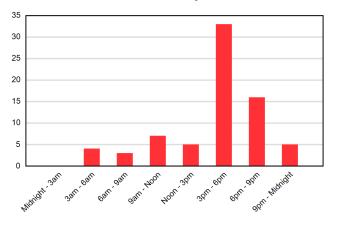
Length = 1.500 miles AADT = 77,026

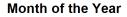
Year	2015	2016	2017	2018	Total
Rear End	14	14	11	10	49
Angle	2	1	1	2	6
Sideswipe	2	1	3	1	7
Head On	0	0	0	0	0
Run Off Road	2	5	2	0	9
Animal	0	0	1	0	1
Bicycle	0	0	0	0	0
Pedestrian	0	0	0	0	0
Other	0	0	0	1	1
	20	21	18	14	73

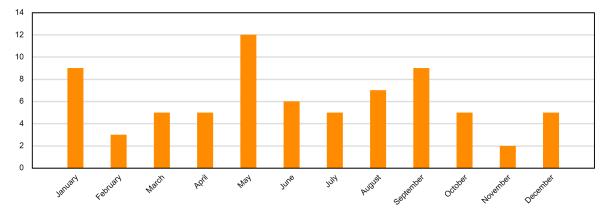
Day of the Week



Time of Day







MPT 0.000 to 0.100 (Stack #1)

Total Crashes: 8	Light: 8	Dark: 0	Dry:	8 Wet: 0	Fatalities: 0	Injuries: 1	PDO: 7
1 15009693	0.000 INJ1	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	ANGLE
2 15560719	0.000 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
3 15591025	0.099 INJ0	DAY	DRY	MOTOR VEH	ICLE (STOPPED)		REAR END
4 15598922	0.000 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
5 17595363	0.000 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
6 17597412	0.065 INJ0	DAY	DRY	HIGHWAY TR	AFFIC SIGN PO	ST	NO COLLISION W/MV
7 17653284	0.000 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	SIDESWIPE SAME
8 18583481	0.000 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END

MPT 0.100 to 0.200 (Stack #2)

Т	otal Crashes: 10	D Light: 5	Dark:	5 Dry	y: 9 Wet: 1	Fatalities: 0	Injuries: 0	PDO: 10	
	1 16011494	0.100 INJ0	DUSK	WET	HIGHWAY TR	AFFIC SIGN POS	т	NO COLLISION W/MV	
	2 16547070	0.136 INJ0	DAY	DRY	MOTOR VEHIC	CLE (STOPPED)		REAR END	
	3 16592870	0.135 INJ0	DAY	DRY	MOTOR VEHIC	CLE (IN TRANSPO	ORT)	REAR END	
	4 16637342	0.140 INJ0	DAY	DRY	MOTOR VEHIC	CLE (IN TRANSPO	ORT)	REAR END	
	5 16656179	0.160 INJ0	DARK	DRY	MOTOR VEHIC	CLE (IN TRANSPO	ORT)	REAR END	
	6 17560949	0.138 INJ0	DARK	DRY	MOTOR VEHIC	CLE (STOPPED)		REAR END	
[7 17560953	0.114 INJ0	DARK	DRY	MEDIAN BARF	RIER		NO COLLISION W/MV	
	8 17561460	0.116 INJ0	DARK	DRY	MOTOR VEHIC	CLE (PARKED)		REAR END	
	9 17617998	0.120 INJ0	DAY	DRY	MOTOR VEHIC	CLE (IN TRANSPO	ORT)	REAR END	
	10 17624623	0.150 INJ0	DAY	DRY	MOTOR VEHIC	CLE (STOPPED)		REAR END	

MPT 0.200 to 0.300 (Stack #3)

Total Crashes: 9	Light: 7	Dark: 2	2 Dry:	7 Wet: 2	Fatalities: 0	Injuries: 2	PDO: 7
1 15582477	0.202 INJ0	DAY	DRY	MOTOR VEHI	CLE (STOPPED)		REAR END
2 16012783	0.254 INJ3	DAY	DRY	MEDIAN BAR	RIER		NO COLLISION W/MV
3 16505035	0.268 INJ0	DARK	WET	MOTOR VEHI	CLE (STOPPED)		REAR END
4 17503777	0.268 INJ2	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	REAR END
5 17526378	0.253 INJ0	DAY	DRY	MOTOR VEHI	CLE (STOPPED)		REAR END
6 17672971	0.250 INJ0	DARK	WET	MOTOR VEHI	CLE (IN TRANSF	PORT)	SIDESWIPE SAME
7 18572328	0.290 INJ0	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	ANGLE
8 18623810	0.208 INJ0	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	ANGLE
9 18629988	0.266 INJ0	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	REAR END

MPT 0.300 to 0.400 (Stack #4)

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

1 15607249	0.353 INJ0	DAY	WET	MEDIAN BARRIER	NO COLLISION W/MV
2 16502800	0.301 INJ0	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
3 16641672	0.375 INJ1	DARK	DRY	OTHER (WALL, BUILDING, TUNNEL, ETC)	NO COLLISION W/MV

MPT 0.400 to 0.500 (Stack #5)

Total Crashes: 2	Light: 2	Dark: 0	Dry:	2 Wet: 0	Fatalities: 0	Injuries: 0	PDO: 2
1 15542149	0.485 INJ0	DAY	DRY	MOTOR VEH	ICLE (STOPPED)		REAR END
2 16606673	0.405 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END

MPT 0.500 to 0.600 (Stack #6)

Total Crashes: 3	Light: 1	Dark: 2	2 Dry:	2 Wet: 1	Fatalities: 0	Injuries: 1	PDO: 2
1 15574772	0.551 INJ0	DARK	DRY	GUARDRAIL	END		NO COLLISION W/MV
2 16503016	0.522 INJ2	DAY	DRY	MOTOR VEH	IICLE (IN TRANS	PORT)	REAR END
3 17642144	0.520 INJ0	DARK	WET	MOTOR VEH	IICLE (IN TRANSI	PORT)	REAR END

MPT 0.600 to 0.700 (Stack #7)

Total Crashes: 3	Light: 2	Dark: 1	Dry:	2 Wet: 1	Fatalities: 0	Injuries: 1	PDO: 2	
1 15631464	0.605 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END	
2 16567920	0.602 INJ3	DAWN	WET	CARGO/EQU	IP LOSS OR SHI	FT	NO COLLISION W/MV	
3 17641276	0.659 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END	

MPT 0.700 to 0.800 (Stack #8)

Total Crashes: 6	Light: 5	Dark: 1	Dry:	6 Wet: 0 Fatalities: 0 Injuries: 4	PDO: 2
1 15564638	0.749 INJ1	DAY	DRY	OTHER (WALL, BUILDING, TUNNEL, ETC)	ANGLE
2 16549929	0.711 INJ0	DAY	DRY	MOTOR VEHICLE (STOPPED)	REAR END
3 16562742	0.796 INJ0	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
4 16622082	0.708 INJ1	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
5 16639966	0.709 INJ1	DARK	DRY	FENCE	NO COLLISION W/MV
6 16649531	0.720 INJ1	DAY	DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END

MPT 0.800 to 0.900 (Stack #9)

Total Crashes: 2	Light: 2	Dark: 0	Dry:	2 Wet: 0	Fatalities: 1	Injuries: 0	PDO: 1
1 15650695	0.850 INJ4	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	REAR END
2 15668266	0.840 INJ0	DAY	DRY	MOTOR VEHI	CLE (STOPPED)		REAR END

MPT 0.900 to 1.000 (Stack #10)

Total Crashes: 4	Light: 3	Dark: 1	Dry:	3 Wet: 1	Fatalities: 0	Injuries: 2	PDO: 2
1 15005203	0.970 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANS	PORT)	REAR END
2 17625474	0.987 INJ1	DAY	DRY	MOTOR VEH	ICLE (IN TRANSI	PORT)	SIDESWIPE SAME
3 18512562	0.934 INJ0	DARK	WET	MOTOR VEH	ICLE (IN TRANSI	PORT)	REAR END
4 18590967	0.983 INJ1	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END

MPT 1.000 to 1.100 (Stack #11)

Total Crashes: 1	Light: 1	Dark: 0	Dry:	0 Wet: 1	Fatalities: 0	Injuries: 0	PDO: 1
1 15573409	1.045 INJ0	DAY	WET	MOTOR VEH	ICLE (STOPPED))	REAR END

MPT 1.100 to 1.200 (Stack #12)

Total Crashes: 6	Light: 6	Dark: 0	Dry:	6 Wet: 0	Fatalities: 0	Injuries: 0	PDO: 6
1 15581387	1.160 INJ0	DAY	DRY	MOTOR VEH	CLE (IN TRANSF	PORT)	SIDESWIPE SAME
2 15654992	1.198 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
3 16635900	1.189 INJ0	DAY	DRY	MOTOR VEH	CLE (STOPPED)		REAR END
4 17000366	1.160 INJ0	DAY	DRY	MOTOR VEH	CLE (STOPPED)		REAR END
5 18539340	1.164 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	SIDESWIPE SAME
6 18560460	1.171 INJ0	DAY	DRY	MOTOR VEH	CLE (IN TRANSF	PORT)	REAR END

MPT 1.200 to 1.300 (Stack #13)

Total Crashes: 4 Light: 2	Dark: 2 Dry:	4 Wet: 0 Fatalities: 0 Injuries: 0	PDO: 4
1 15638319 1.241 INJ0	DARK DRY	PEDALCYCLE	REAR END
2 15639766 1.202 INJ0	DARK DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
3 18502638 1.231 INJ0	DAY DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END
4 18579372 1.291 INJ0	DAY DRY	MOTOR VEHICLE (IN TRANSPORT)	REAR END

MPT 1.300 to 1.400 (Stack #14)

Total Crashes: 5	Light: 3	Dark: 2	Dry:	5 Wet: 0	Fatalities: 0	Injuries: 2	PDO: 3
1 15005170	1.350 INJ1	DARK	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	REAR END
2 16007767	1.360 INJ1	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	REAR END
3 16607187	1.396 INJ0	DAY	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	ANGLE
4 18511036	1.393 INJ0	DAY	DRY	CARGO/EQUI	P LOSS OR SHIF	T	NO COLLISION W/MV
5 18515494	1.349 INJ0	DUSK	DRY	MOTOR VEHI	CLE (IN TRANSF	PORT)	REAR END

MPT 1.400 to 1.500 (Stack #15)

Total Crashes: 7	Light: 5	Dark: 2	2 Dry:	6 Wet: 1	Fatalities: 0	Injuries: 2	PDO: 5
1 15010848	1.495 INJ0	DARK	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	SIDESWIPE SAME
2 16544802	1.432 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	SIDESWIPE SAME
3 17544733	1.436 INJ0	DAY	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	ANGLE
4 17603309	1.416 INJ3	DARK	DRY	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
5 17638736	1.412 INJ0	DAY	DRY	ANIMAL (DE	ER ONLY)		NO COLLISION W/MV
6 18603607	1.409 INJ0	DAY	WET	MOTOR VEH	ICLE (IN TRANSF	PORT)	REAR END
7 18621345	1.478 INJ1	DAY	DRY	MOTOR VEH	ICLE (STOPPED)	1	REAR END

