

PID 101798 ATB-20- 8.28: Roadway Design Criteria SFN 0402133

Key Roadway Design Features	Design Criteria References		Project Specific Values			Design Deficiencies	Design Exception criteria in LD Vol 1 Sec 105.2	Comments
	Section	Figure	Required Design Criteria	Existing	Proposed			
Design Speed (Rural)	104	N/A	45 mph	45 mph	45 mph	None	No	
Stopping Sight Distance	201.2	201-1E, 203-3E, 4E, 6E & 7E	360 feet min.	SSD not restricted by V.C.	SSD not restricted by V.C.	None	No	
Intersection Sight Distance	201.3	201-4E & 5E	500 Feet	695'	695'	None	No	
Maximum Centerline Deflection without Horizontal Curve	202.2	202-1E	1° 40'	Tangent	Tangent	None	No	
Degree of Curve	202.3	202-7E	9° 45' max.	Tangent	Tangent	None	No	
Superelevation Rate	202.4	202-7E	NC	NC	NC	None	No	
Grades	203.2	203-1E	6% max. (level)	<1%	<1%	None	No	
Maximum Change in Vertical Alignment without Vertical Curve	203.3.2	203-2E	0.55%	N/A	0.18%	None	No	
Crest "K" Value	203.3.3	203-3E	61	No V.C.	No. V.C.	None	No	
Sag "K" Value	203.3.4	203-6E	79	No V.C.	No. V.C.	None	No	
Lane Width	301.1.2	301-4E	2 - 11 ft lanes and 2 -12 ft lanes	2 - 11 ft lanes and 2 -12 ft lanes	2 - 11 ft lanes and 2 -12 ft lanes	None	No	
Curb Shoulder Width	301.2.3	301-4E	1 feet	0'	0'	Yes	No	Prop project limits are within 50ft either side of SFN 0402133. Prop scope is to match existing.
Shoulder Type	301.2.2	301-4E	Paved	Paved	Paved	None	No	
Guardrail Offset	602.1.5	301-3E	4 feet	3-4 feet	4 feet	None	No	
Pavement Cross Slopes	301.1.5	301-6E	0.016	0.025 (varies)	0.025 (varies)	None	No	Prop project limits are within 50ft either side of SFN 0402133. Prop scope is to match existing.
Bridge Width	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not a bridge project
Lateral Clearance	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not a bridge project
Vertical Clearance	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not a bridge project