

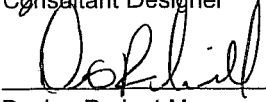
APPENDIX A
DESIGN CRITERIA

PROJECT DESIGN CRITERIA

MSB Planning Level Services

ELEMENT	VALUE	SOURCE
Construction Classification	New Construction	MSB
Design Functional Classification	Rural Collector	MSB
Design Year		
AADT	400-1500	Assumed
Design Hourly Volume (DHV)		
Directional Split (%D)		
Trucks (%T)		
Equiv. Single Axle Load (ESAL)		
Pavement Design Year		
Design Vehicle	AASHTO WB-50	MSB
Design Speed, Terrain	40 mph, Rolling	PGDHS, pg. 426
Stopping Sight Distance Passing Sight Distance	305 ft 1470 ft	PGDHS, pg. 112 PGDHS, pg. 124
Maximum Allowable Grade Minimum Allowable Grade	8.0% 0.3%	PGDHS, pg. 427 PGDHS, pg. 242
Minimum Radius of Curvature	510 ft, e=6%	PGDHS, pg. 159
Minimum K-Value for Vertical Curves	Crest: 44 Sag: 64	PGDHS, pg. 274 PGDHS, pg. 280
Number of Roadways	1 - 2 lane	PGDHS, pg. 428
Width of Traveled Way	11.0 ft	PGDHS, pg. 429
Width of Shoulder	5.0 ft	PGDHS, pg. 429
Surface Treatment	Hot Mix Asphalt Concrete	MSB
Side Slope Ratios	Fore: 4H:1V Back: 2H:1V	RDG, pg. 3-2
Degree of Access Control	None	
Median Treatment	None	
Illumination:	None	
Curb Usage and Type	None	
Bicycle Provisions	None	
Pedestrian Provisions	None	
Miscellaneous Criteria	Clear zone: 12 ft	RDG, Table 3.1

Proposed By:  10/23/07
 Consultant Designer Date

Recommended By:  10/23/07 Accepted By: _____
 Design Project Manager Date Regional Preconstruction Engineer Date