

**MUSEUM DRIVE DESIGN CRITERIA**

Parks Highway Connections – Museum Drive

ELEMENT	VALUE	SOURCE
Construction Classification	New Construction	MSB
Design Functional Classification	Rural Collector	MSB
Design Year	2031	MSB
AADT- Current (2008) Mid Year (2021) Design Year (2031)	N/A 1777 3100	Traffic Report
Design Hourly Volume (DHV)	15%	Traffic Report
Directional Split (%D)	60%/40%	Traffic Report
Trucks (%T)	9%	Traffic Report
Equiv. Single Axle Load (ESAL)	335079	Traffic Report
Pavement Design Year	2021	
Design Vehicle	AASHTO WB-50	MSB
Design Speed, Terrain	40 mph, Rolling	Traffic Report
Stopping Sight Distance Passing Sight Distance	305 ft 1470 ft	PGDHS, pg. 112 PGDHS, pg. 124
Maximum Allowable Grade Minimum Allowable Grade	8.0% 0.0%	PGDHS, pg. 423
Minimum Radius of Curvature	485 ft, e=6%	PGDHS, pg. 147
Minimum K-Value for Vertical Curves	Crest: 44 Sag: 64	PGDHS, pg. 272 PGDHS, pg. 277
Number of Roadways	1 - 2 lane	Traffic Report
Width of Traveled Way	12.0 ft Desirable 11.0 ft Minimum	PGDHS, pg. 425 MSB
Width of Shoulder	8.0 ft Desirable 5.0 ft Minimum	PGDHS, pg. 425 MSB
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:	At intersections	MSB
Curb Usage and Type	None	
Bicycle Provisions	5' shoulders	
Pedestrian Provisions	5' shoulders	
Miscellaneous Criteria	Clear zone: 14 ft	RDG, Table 3.1

Proposed By: \_\_\_\_\_ Accepted By: \_\_\_\_\_  
 Consultant Designer Date Design Project Manager Date