



Key: Projected Year 2050 DHV's

This set of design criteria is applicable to Wolf Road,  
from the I-294 Southbound On-Ramp to Plainfield Road.

HARD COPIES UNCONTROLLED

Design Element		Manual Section	Design Volume (DHV)			
			Two-Way DHV < 1250 (1)	Two-Way DHV 1250 - 2050 (1)	Two-Way DHV 2050 - 2900 (1)	
Design Controls	Highway Type	---	TWS-2	TWS-4	TWS-6	
	Design Forecast Year	<a href="#">27-6.02</a>	20 Years			
	Design Speed *	<a href="#">27-5.02</a>	30 mph – 40 mph			
	Level of Service (LOS) * (2)	<a href="#">27-6.04</a>	C			
Cross Section Elements	Surface Width *	Number of Travel Lanes	<a href="#">31-1.02</a>	2	4	6
		Travel Lane	<a href="#">31-1.01</a>	Desired 12' Minimum 11' (3)	Desired 12' Minimum 11'	
		Travel Lane (Shared with Bicycles)	<a href="#">42-3.02</a>	See <a href="#">Section 42-3.02</a>		
		Parking Lane (4)	<a href="#">31-1.04</a>	Desired 10' Minimum 8'		
		Auxiliary Lane	<a href="#">31-1.03</a>	Single Left & Right – Desired 12' / Minimum 11' Dual Lefts & Rights – Desired 24' / Minimum 22'		
	Cross Slope	Travel Lane (Minimum) *	<a href="#">31-1.08</a>	1.5% - 2.0%	1.5% - 2.0% (5a)	
		Auxiliary Lanes		2.0% (5b)	(5b)	
	Outside Curb and Gutter Type	<a href="#">31-1.07</a>	B-6.12, B-6.18, or B-6.24 CC&G (6)			
	Median Width	Flush		N/A	Range 4' to 14'	
		Flush (TWLTL)	<a href="#">31-1.05</a>	Desired 12' Range 10' to 14'		
		Traversable		N/A	16'	
		Raised Curb		N/A	18'	
Sidewalk Width (7)	<a href="#">31-2.02</a>	Desired 5' / Minimum 4'				
Obstruction Free Zone * (8)	<a href="#">35-2</a>	1.5'				
Roadway Slopes	Side Slope (9) (Maximum)	Cut Section (Curbed)	---			
		Rock Cut	<a href="#">31-2.03</a>	---		
		Fill Section (Curbed)	---			
	Median Slope	Concrete Surface / Traversable		N/A	1.5%	
		Flush / TWLTL Surface	<a href="#">31-1.05</a>	1.5%		
		Grass/ Landscape Surface		N/A	5% (Towards C&G)	

\* Controlling design criteria (see [Section 27-7](#)).

DHV = Design Hourly Volume / TWS = Two-Way Street

**GEOMETRIC DESIGN CRITERIA FOR URBAN TWO-WAY ARTERIALS  
(New Construction/Reconstruction)**

**Figure 32-2E (US Customary)**

August 2016

BUREAU OF LOCAL ROADS & STREETS  
GEOMETRIC DESIGN TABLES

32-2-13