



Materials & Tests Division Materials & Pavements Section

Design to be used for:

Shellmound Road

LOW VOLUME PAVEMENT DESIGN

The following pavement design calculator is intended for the design of low volume off system routes. This method allows the pavement to be designed with assumed county soil conditions and thus no Geotechnical Report is required or a formal Pavement Design. This method of designs provides a conservative estimate for routes that are low risk. The use of this method is restricted to routes with Average Daily Loads of less than 150 ESALs.

Project Information			
	Yr	ADT	if ADL was Given if not leave blank
ADT base	2026	1750	
ADT Design year	2046	1930	
Directional Split	65%		
T%	3%		
County	Marion		
ADL (design)	30		
Use Low Volume Pavment Design Below			

Low Volume Pavement Design

411-01.07 D mix	1.25 inches
307-01.08 B-M2	2 inches
307-01.01 A	3 inches
303-01 Aggregate Base	8 inches

Note: Tack Coat should be included on asphalt surfaces.

Note: If the mineral aggregate is to be covered with asphalt in the same construction season, no prime coat is required. If the mineral aggregate will be wintered without asphalt, use a Tack coat to seal the mineral aggregate surface. In general, Prime Coat Materials is uneconomical for local projects and the same material specified for tack coat is sufficient for the need on these routes.