



April 16, 2014

Liberty Land Company, LLC  
Attn: Mr. Randy Terry  
6306 Princeton Glendale Road  
Liberty Township, Ohio 45011

Re: Carriage Hill TIS Approval

Dear Randy,

The Butler County Engineer's Office has finished reviewing the traffic impact study (TIS) for the Carriage Hill Development dated July 2013 and received on August 5, 2013. Per the study and review of the capacity analysis contained in the report, the following roadway improvements are required to mitigate the proposed development impact.

1. Construct a 285' westbound left turn lane on Millikin Road at Winding Creek prior to recording Sections 8 & 9 (per Preliminary Plat) or any recording of additional lots.
2. Construct a 175' eastbound left turn lane on Princeton Road at proposed Access 3 prior to recording any additional lots after Sections 8 & 9 (per Preliminary Plat) or when connection is made to Princeton Road.
3. Construct a 500' northbound right turn lane on SR 747 at Millikin Road and extend the westbound left turn storage length to minimum 210'. Currently, the existing WB left turn lane is 105'. The improvements at SR 747 and Millikin Road shall be constructed prior to any recording within the commercial development area (Phase2) or January 1, 2018, whichever comes first, unless the recently submitted OKI Grant for SR 747 widening is awarded. Then these improvements will be constructed as part of SR 747 widening.
4. At this time, the BCEO does not recommend the construction of an additional westbound left turn lane on Princeton Road at SR 747. The future expansion of SR 747 to 5-lanes reduces the need of the WB dual left turn lanes on Princeton Road.

Upon agreement to the above improvements, the Carriage Hill TIS is approved. Please let me know if you have any questions. Thank you.

Respectfully,

A handwritten signature in blue ink that reads "Matthew J. Loeffler".

Matthew J. Loeffler, P.E.

BCEO Traffic Engineer

Attachment: Copy of Figure 14 of July 2013 TIS report  
Copy of Preliminary Plat (dated January 2014)

Cc: Eric Pottenger and Dale Schwieterman – BCEO (email)  
Jon West – Liberty Township (email)  
Tom Makris and Jay Hamilton – ODOT (email)  
Andrea Harth and Ed Williams – TEC (email)