

LOCAL TRAFFIC ADVISORY COMMITTEE  
AGENDA  
January 7, 2016  
1:00 PM

1. CALL TO ORDER / PLEDGE OF ALLEGIANCE / MOMENT OF SILENCE
2. CHAIRMAN WILL ASK IF ANYONE IS GOING TO RECORD THE MEETING
3. APPROVAL OF MINUTES

October 22, 2015

4. OLD BUSINESS
5. NEW BUSINESS

CONSIDER TRAFFIC CALMING MEASURES ON MORSTEIN ROAD

6. PUBLIC COMMENTS
7. ADJOURNMENT

1 Draft  
2 EAST GOSHEN TOWNSHIP  
3 LOCAL TRAFFIC ADVISORY COMMITTEE  
4 MINUTES  
5 October 22, 2015  
6

7 The East Goshen Township Local Traffic Advisory Committee (LTAC) held a meeting  
8 on Thursday, October 22, 2015 at 1:00 pm at the East Goshen Township Building.  
9 Members in attendance were: Township Manager Rick Smith; Orth-Rodgers Associates  
10 representative Dean Kaiser; and Pennoni Associates representative Nathan Cline. Others  
11 present were: David and Sandra Makos, 1408 Morstein Rd; and Sarah Trueman, 1353  
12 Morstein Rd.

13  
14 The meeting was called to order by Rick Smith at 1:00 pm.

15  
16 No one was recording the meeting.

17  
18 The minutes of August 20, 2015 were approved as submitted.  
19

20 **NEW BUSINESS**

21 Morstein Road - The purpose of today's meeting was to discuss the concerns of the  
22 residents who live along Morstein Road. The residents are concerned about speeding  
23 along the road.

24 Rick read an email from another resident who reported an incident regarding a speeding  
25 car and runners from Immaculata University.

26 Dean provided maps and photos of Morstein Rd. They verified areas of importance  
27 between Barkway and the bridge, especially the school bus stop. Dean reported that he  
28 was there at 3:40 pm and saw a lot of school buses. He could tell it is a busy road.

29 Rick suggested using radar to track speed and a few days later use hoses to get a count.  
30 He feels that people slow down when they see the hoses across the road. It was decided  
31 that Dean will use the radar between Great Oak and Barkway during the am and pm rush  
32 hours. Sarah said that Dean could park in her driveway. All of the residents who signed  
33 the petition have a driveway on Morstein Rd.

34 Rick explained the process and will notify the residents of the next meeting.  
35

36 **OLD BUSINESS**

37 Hershey's Mill Estates - Dean reported that they installed raised markers on Tanglewood  
38 Drive and 15 mph speed signs. Public Works will clean out brush and undergrowth along  
39 the sides of the road in front of the entrance to the pool to create better visibility and a  
40 walk way for pedestrians. He studied the island at the 4-way intersection and found that  
41 people go to the right. At the other 2 islands, people cut to the left. It is not reasonable to  
42 reconfigure the circle.  
43

44 The meeting was adjourned at 1:30 pm.

45  
46 Respectfully submitted,  
47

48  
49 Ruth Kiefer  
50 Recording Secretary

REC 10-14-15

**MEMORANDUM**

Morstein Road Investigation  
East Goshen Township, Chester County

Burns has completed its review of traffic and roadway conditions along the Township's segment of Morstein Road bounded by US Route 202 to the west and the revised culvert east of 1416 Morstein Road. The following explains our findings and recommendations:

The segment of roadway reviewed as requested by several residents back in September 2015 is 19' to 21' wide collector street posted at 35 mph. This relatively level and straight segment does have three significant grade changes, a 5.4% between Waterford Road and Barkway Lane, a 3.8% just east of the culvert and another 5.7% grade further east at approximately 1511 Morstein Road.

Curves are visually noticeable just east of the culvert previously identified as well as a long, sweeping 'S' curve starting at roughly 1372 Morstein Road and ending at 1406 Morstein Road (combined with the 3.8% grade).

Between the US Route 202 bridge and the culvert identified, there are intersections with Eastwick Circle, Amtel Way, Great Oak Circle Waterford Road and Barkway Lane. All these side streets are STOP controlled. In addition, there are 19 residential driveways starting at 1342 Morstein to 1416 Morstein in the reviewed segment of roadway.

Traffic counts conducted near 1406-1408 Morstein from November 18th through November 25<sup>th</sup> indicate an average weekday daily traffic of 876 vehicles per day. Weekend traffic is approximately 783 vehicles per day.

Motorist speeds were gathered in two different ways. Prior to installing the hoses for the traffic counts, we performed spot speed studies utilizing a radar gun in an unmarked vehicle parked near the culvert to gather speeds along the straight segment of Morstein between Barkway and the curve at the culvert as well as at Great Oak Circle. The attached data indicates that 85<sup>th</sup> percentile speeds are as follows:

Between 1406-1416 Morstein Rd	Morstein Road at Great Oak Circle
Eastbound 41 MPH	Eastbound 39 MPH
Westbound 44 MPH	Westbound 42 MPH

With the automatic traffic recorder installed, we were also able to get speeds from that count data:

Between 1406-1416 Morstein Rd
Eastbound 44 MPH
Westbound 43 MPH


The resultant data indicates that traffic calming, in the strictest form, is not warranted along the corridor. Although the roadway carries over 1,000 vehicles per day, the 85<sup>th</sup> percentile speeds do not exceed 10 miles per hour over the posted speed limit (both criteria identified in PennDOT's Publication 383, Traffic Calming Handbook).

Conversely, local resident input as well as confirmed speeders documented indicate that there are several motorist who feel it's their right to disregard the posted speed limit. During the course of three separate days performing the spot speed studies we identified 13 of 242 total recorded speeds (5.4%) traveling 11 miles per hour or more above the posted speed limit. The automatic traffic recorder also identified 9.7% of all traffic exceeding the posted speed by 11 mph or more.

Unfortunately for a two lane roadway in this type of suburban area and in a residential setting, over 9% of the users exceeding the speed limit by 11 mph or more is disconcerting as a traffic engineer, and likewise the residents of the roadway. School bus stops are made throughout the corridor, local school athletic team running practice and the number of residential driveways are incompatible with these speeds. We observed one 65 mph motorist during the spot speed study. This speed is not conducive along this roadway for all the conditions noted above.

It is our recommendation that the LTAC recommend to the Board of Supervisors of East Goshen Township the implementation of one or more speed humps along the segment of Morstein Road bounded by the culvert past 1416 Morstein and 1406 Morstein. A potential speed hump in the general vicinity between Eastwick Circle and Amstel Way would also be beneficial to account for the straight alignment over Route 202 to just west of Waterford Road. The big picture is to let motorists know that speeding along the entire segment is not acceptable because of the roadway's varying uses to the community.

Prepared By,  
**THE BURNS GROUP**

  
DEAN J. KAISER, P.E., PTOE  
Principal Traffic Engineer

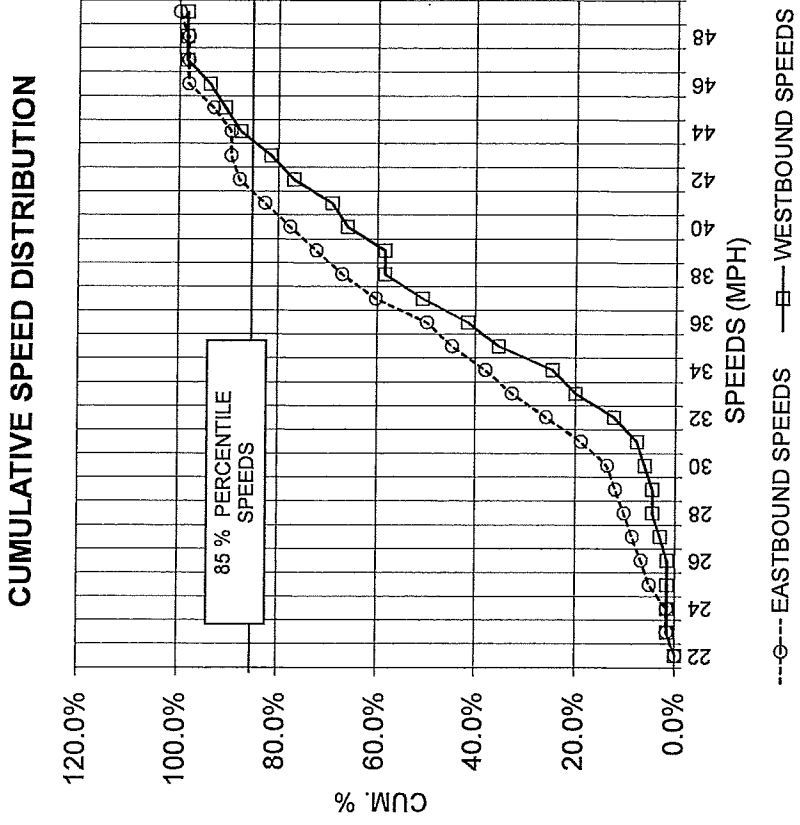
SPOT SPEED SURVEY

1416 MORSTEIN ROAD

SPEEDS (MPH)	NUMBER OF VEHICLES EAST BOUND		NUMBER OF VEHICLES WEST BOUND		CUM. %	% TOTAL	CUM. %	% TOTAL
	BOUND	% TOTAL	BOUND	% TOTAL				
22		0%		0%	0.0%	0%	0.0%	0%
23	1	2%	1	2%	1.7%	2%	1.7%	2%
24		0%		0%	1.7%	0%	1.5%	0%
25	2	3%	2	3%	5.2%	0%	1.5%	0%
26	1	2%	1	2%	6.9%	0%	3.1%	2%
27	1	2%	1	2%	8.6%	0%	4.6%	2%
28	1	2%	1	2%	10.3%	0%	4.6%	2%
29	1	2%	1	2%	12.1%	0%	6.2%	2%
30	1	2%	1	2%	13.8%	0%	7.7%	2%
31	3	5%	3	5%	19.0%	5%	12.3%	5%
32	4	7%	4	7%	25.9%	8%	20.0%	8%
33	4	7%	4	7%	32.8%	5%	24.6%	5%
34	3	5%	3	5%	37.9%	7%	35.4%	11%
35	4	7%	4	7%	44.8%	6%	41.5%	6%
36	3	5%	3	5%	50.0%	9%	50.8%	9%
37	6	10%	6	10%	60.3%	8%	58.5%	8%
38	4	7%	4	7%	67.2%	0%	58.5%	0%
39	3	5%	3	5%	72.4%	8%	66.2%	8%
40	3	5%	3	5%	77.6%	3%	69.2%	3%
41	3	5%	3	5%	82.8%	8%	76.9%	8%
42	3	5%	3	5%	87.9%	5%	81.5%	5%
43	1	2%	1	2%	89.7%	6%	87.7%	6%
44		0%		0%	89.7%	3%	90.8%	3%
45	2	3%	2	3%	93.1%	0%	93.8%	0%
46	3	5%	3	5%	98.3%	0%	98.5%	0%
47		0%		0%	98.3%	0%	98.5%	0%
48		0%		0%	100.0%	0%	98.5%	0%
49	1	2%	1	2%	100.0%	2%	100.0%	2%
50		0%		0%	100.0%	100%	100.0%	100%
TOTALS	58	100%	65	100%				

41 mph 85th %tile

44 mph 85th %tile



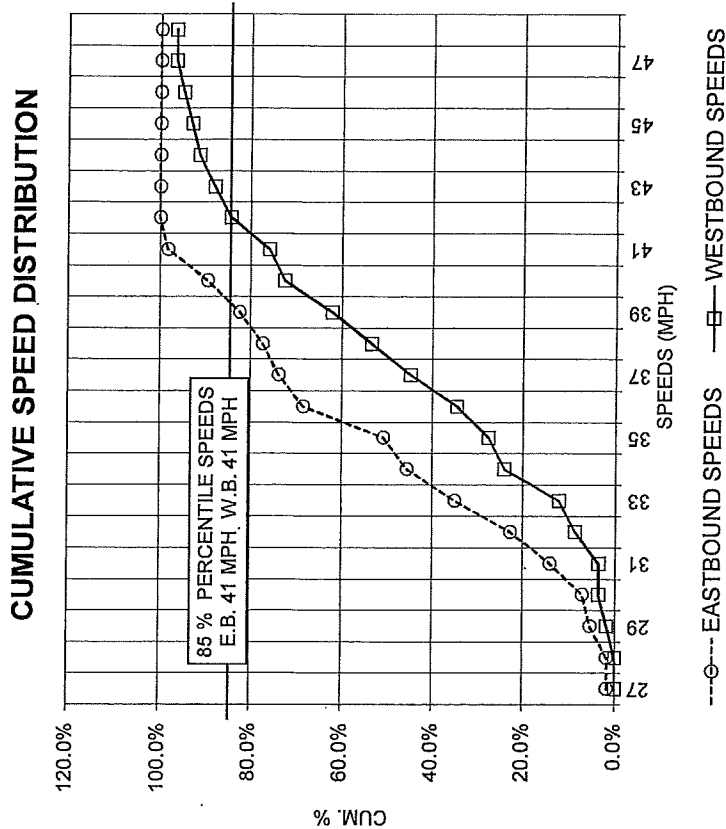
SPOT SPEED SURVEY

MORSTEIN ROAD AT GREAT OAK CIRCLE

SPEEDS (MPH)	NUMBER OF VEHICLES EAST BOUND		NUMBER OF VEHICLES WEST BOUND	
	BOUND	% TOTAL	BOUND	% TOTAL
27	1	2%	1	0%
28	2	0%	0	0%
29	1	4%	1	2%
30	4	2%	1	2%
31	5	7%	2	3%
32	7	12%	3	5%
33	6	11%	2	3%
34	3	5%	2	3%
35	10	18%	4	7%
36	3	5%	6	10%
37	2	4%	5	9%
38	3	5%	5	9%
39	4	7%	6	10%
40	5	9%	2	3%
41	1	2%	5	9%
42		0%	2	3%
43		0%	2	3%
44		0%	2	3%
45		0%	1	2%
46		0%	1	2%
47		0%	1	2%
48		0%	58	100%
<b>TOTALS</b>	<b>57</b>	<b>100%</b>	<b>58</b>	<b>100%</b>

39 mph 85th %tile

42 mph 85th %tile



BOARD OF SUPERVISORS  
EAST GOSHEN TOWNSHIP  
CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

FILE

December 23, 2015

Dear Resident:

In response to a petition signed by some residents of Morstein Road the East Goshen Township Local Traffic Advisory Committee is looking into what can be done to help reduce speeding on Morstein Road. The LTAC was created to review requests such as this and to make recommendations on the type of and location of traffic calming measures to the Board of Supervisors.

The Traffic Engineer conducted a speed study in November and a copy of his findings is attached. The LTAC will hold a meeting at the Township Building on Thursday, January 7, 2016 at 1 pm to consider his recommendation and finalize the locations of the proposed speed humps. This meeting is open to the public.

If you have any questions or need additional information please call me at 610-692-7171 or e-mail me at [rsmith@eastgoshen.org](mailto:rsmith@eastgoshen.org).

Sincerely,



Louis F. Smith, Jr.  
Township Manager

Enclosure