

APPENDIX G

COMMITTED DEVELOPMENTS

TRANSPORTATION IMPACT STUDY

FEATHERTON CROSSING PHASE 5 MOUNT JOY TOWNSHIP LANCASTER COUNTY, PA

**February 2022
Revised March 2022**

Prepared for:

*C2C Design Group
37 East Penn Avenue
Wernersville, PA 19565*

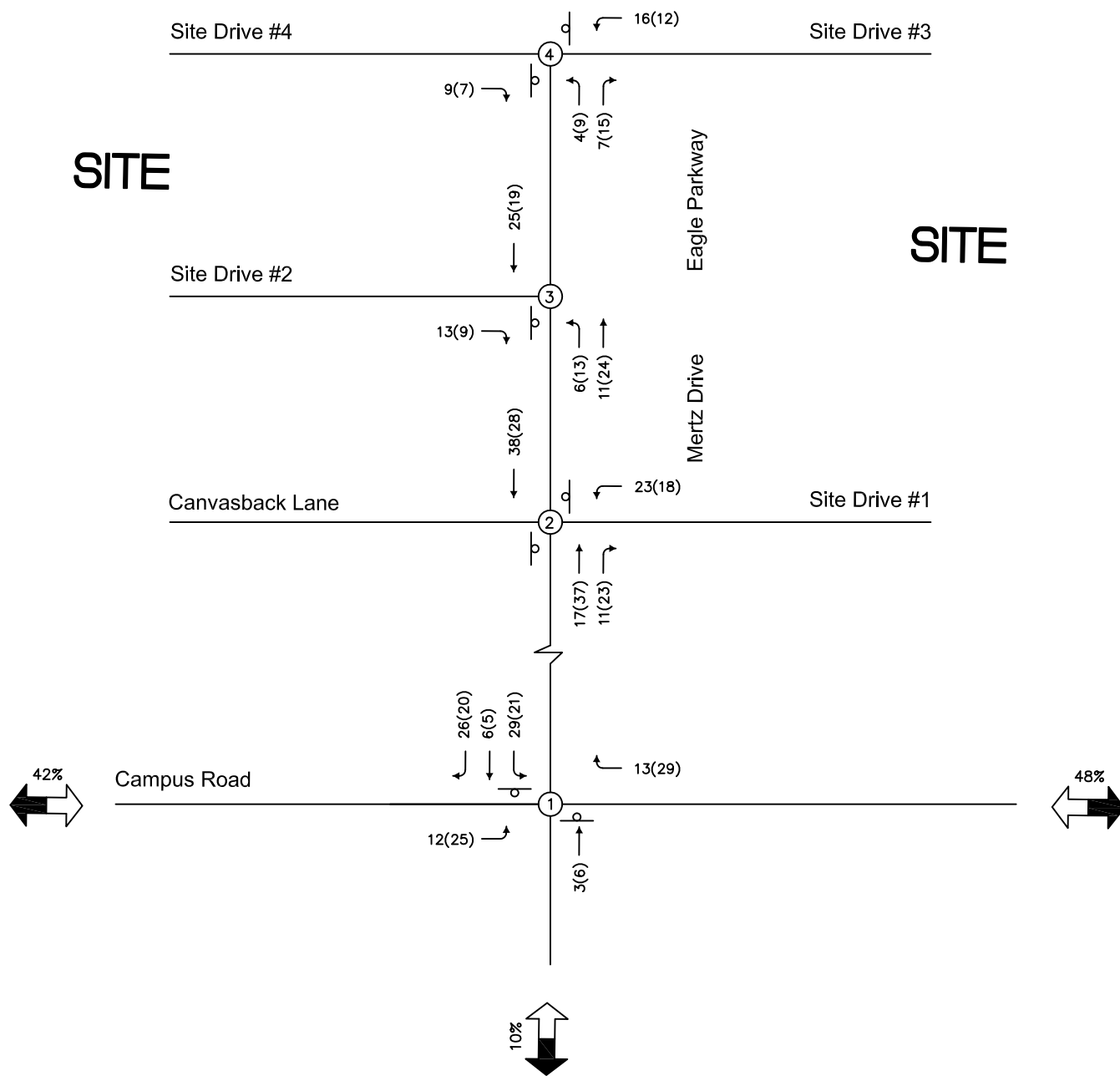


Prepared by:



Dimmerling Consulting, Inc.

*Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610*



LEGEND

- ① INTERSECTION REFERENCE NUMBER
- ↪ TURNING MOVEMENT
- XXX AM PEAK HOUR
- (XXX) PM PEAK HOUR
- STOP SIGN
- ↪ APPROACH TRAFFIC DIRECTION
- ➡ DEPARTURE TRAFFIC DIRECTION

SCHEMATIC, NOT TO SCALE

FIGURE 3 TRIP ASSIGNMENTS

FEATHERTON CROSSING - PHASE 5
Mount Joy Township, Lancaster County, PA



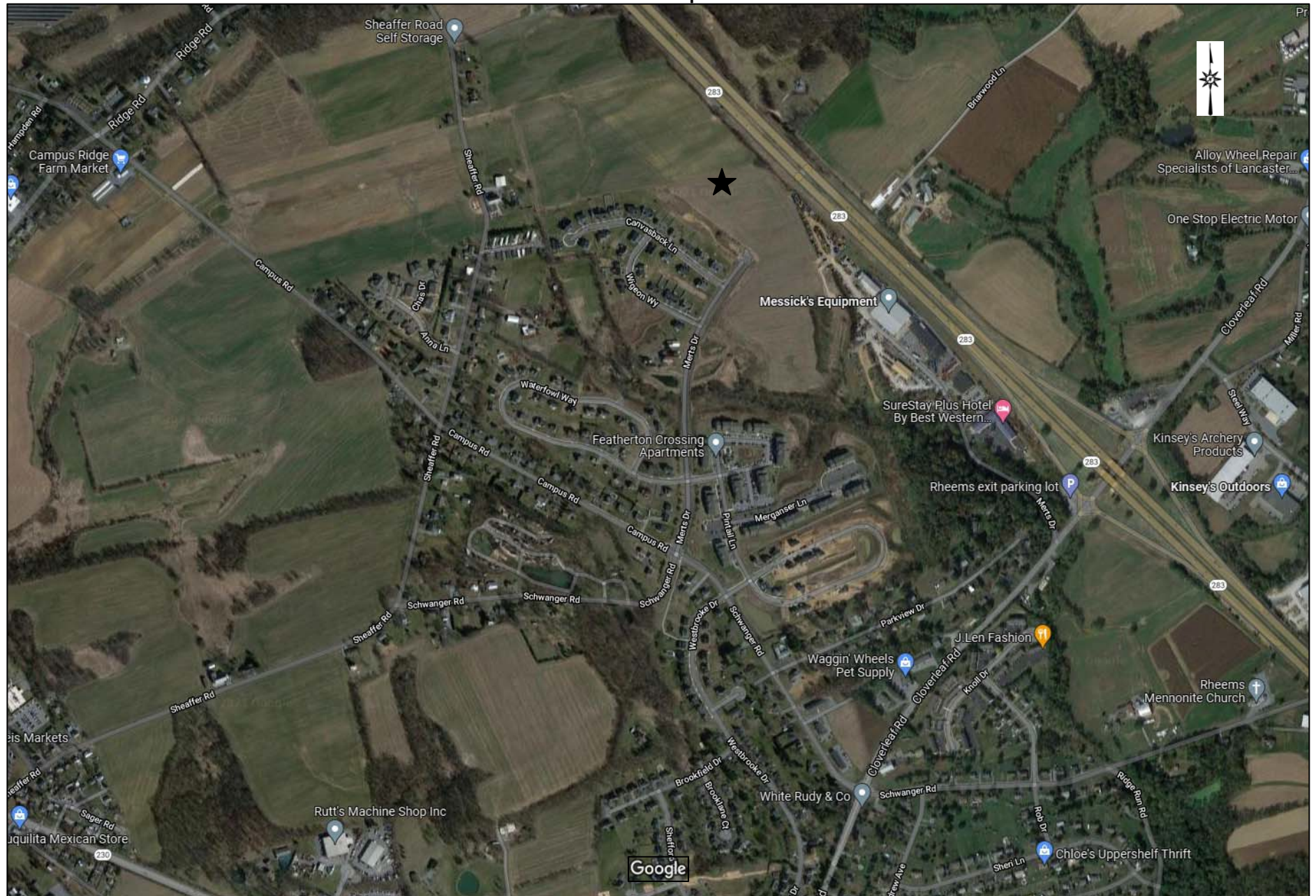
Dimmerling Consulting, Inc.
Traffic and Transportation Engineering Services

Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610

Phone (610) 898-8451

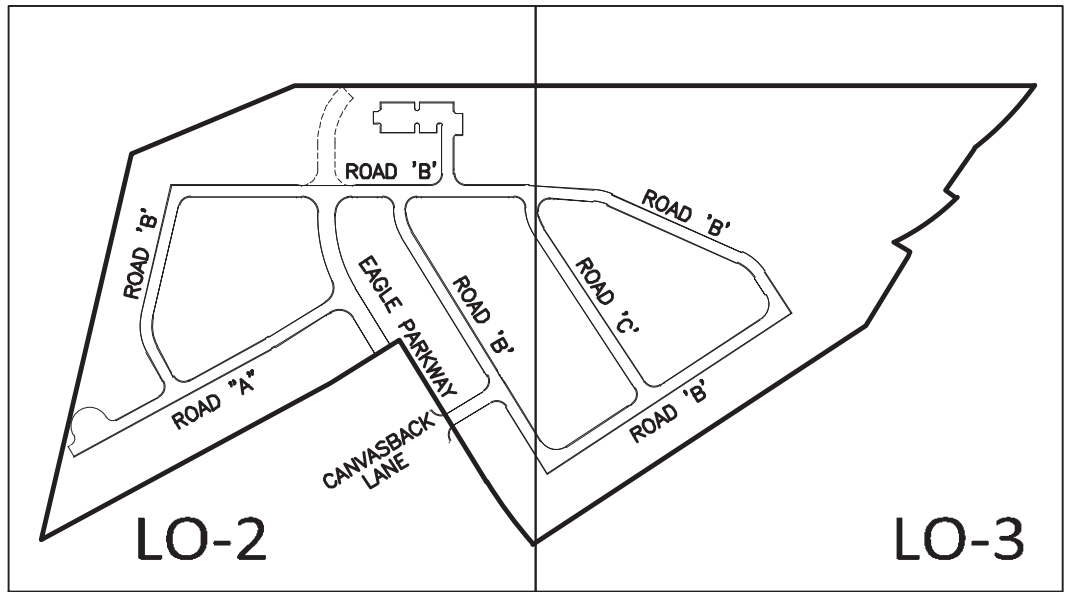
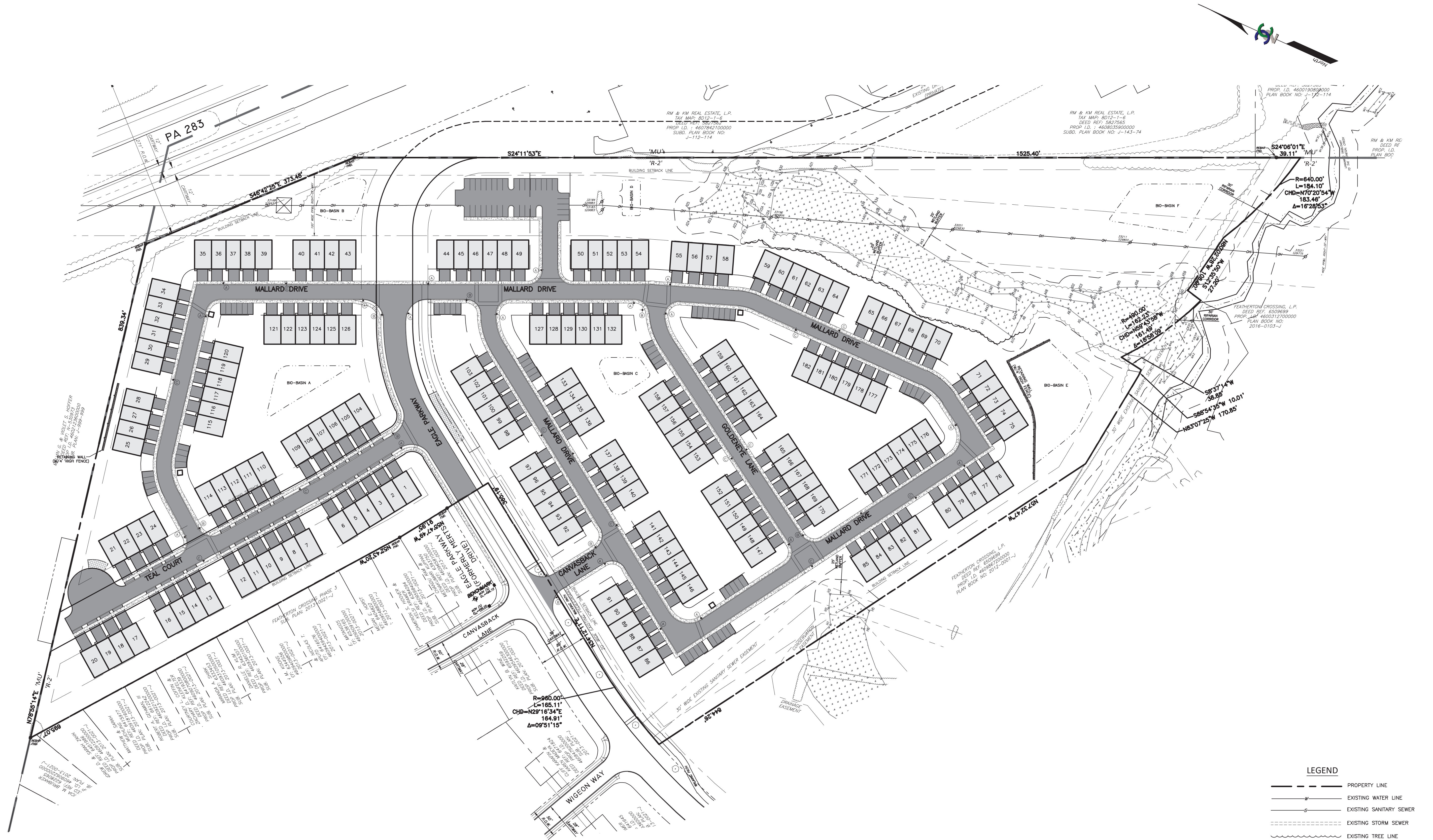
Fax (610) 898-8449

Featherton Crossing Phase 5 Location Map



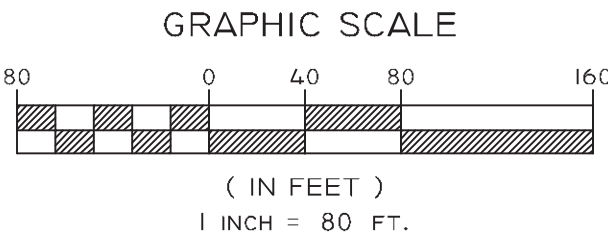
★ Site Location

PROJECT: PRELIMINARY/FINAL PLAN FOR PHASE 5 OF FEATHERTON CROSSING, L.P. (SUBD. PLAN NO. 2016-0103-J) PREPARED BY: C2C DESIGN GROUP, INC. (C2C) DATE: 10/4/21



KEY MAP

- LEGEND**
- PROPERTY LINE
 - EXISTING WATER LINE
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING TREE LINE
 - EXISTING BUILDING SETBACK LINE
 - PROPOSED PAVING
 - PROPOSED TOWNHOUSE
 - PROPOSED STREET CENTERLINE
 - PROPOSED CURB
 - PROPOSED BUFFER (WETLANDS/RIPARIAN)
 - PROPOSED TREE LINE
 - STOP SIGN
 - STREET SIGN
 - NO PARKING SIGN



PRELIMINARY/FINAL PLAN
FEATHERTON CROSSING
PHASE 5

PROJECT #: FOR-FTC-05
SCALE: 1"= 80'
DRAWN BY: CAD
CHECKED BY: BSF
DATE: 10/4/21
DWG. NO.: 4 OF 19
SHEET NO.:

LO-1

OVERALL LAYOUT PLAN
C2C DESIGN GROUP
37 East Penn Avenue
Wernersville, PA 19565
610.860.6050 www.c2cdg.com

DESIGN GROUP
Civil Engineering and Surveying
Solutions from Concept to
Construction

REV. NO.	DATE	DESCRIPTION
2	12/30/2021	REVISED PER TOWNSHIP REVIEW LETTER DATED 11/24/2021
1	11/1/2021	REVISED PER TOWNSHIP REVIEW LETTER DATED 10/21/2021
		CAD
		BY

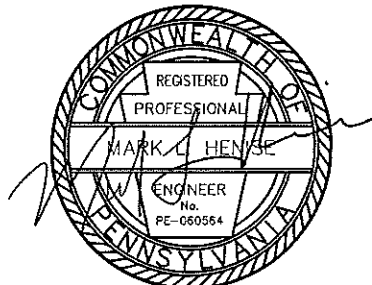
**TRAFFIC IMPACT ASSESSMENT
FOR THE
WESTBROOKE IV – PHASE 1
RESIDENTIAL DEVELOPMENT**

**MOUNT JOY TOWNSHIP
LANCASTER COUNTY**

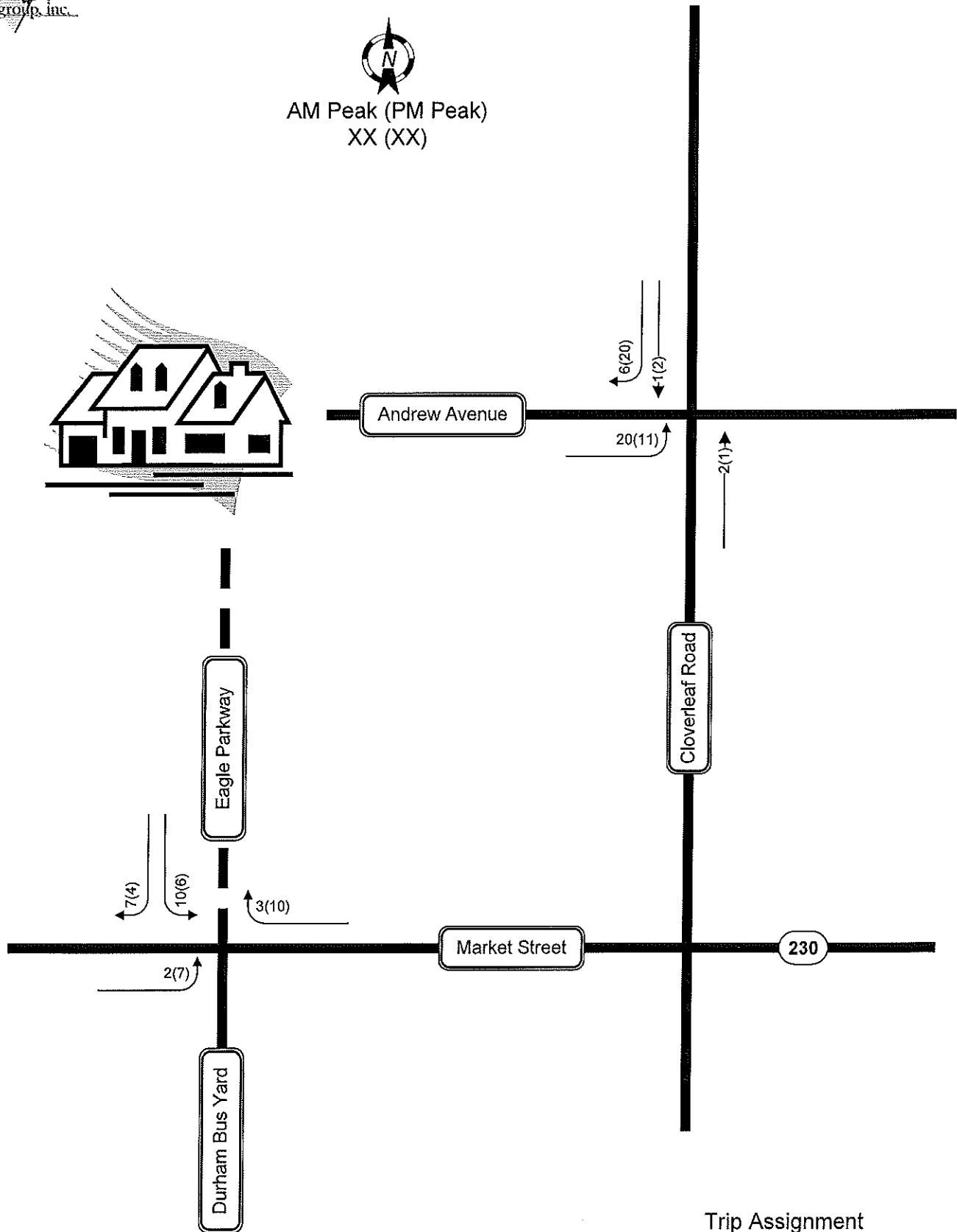
**FEBRUARY 2018
REVISED MAY 2018**

PROJECT 481-037

Prepared by: Mark L. Henise, P.E., PTOE



**ELA GROUP, INC.
LITITZ, PA
05/12/2018**



Trip Assignment
Exhibit 7

PRELIMINARY PLAN FOR WESTBROOKE IV

MOUNT JOY TOWNSHIP LANCASTER COUNTY, PA

CERTIFICATES

CERTIFICATE OF ACCURACY
I, the undersigned, being duly sworn, depose and say that the foregoing is a true and correct copy of the original as the same appears in the files of the Planning Commission, and that the same is a true and correct copy of the original as the same appears in the files of the Planning Commission, and that the same is a true and correct copy of the original as the same appears in the files of the Planning Commission.

CERTIFICATE OF ACCURACY
I, the undersigned, being duly sworn, depose and say that the foregoing is a true and correct copy of the original as the same appears in the files of the Planning Commission, and that the same is a true and correct copy of the original as the same appears in the files of the Planning Commission, and that the same is a true and correct copy of the original as the same appears in the files of the Planning Commission.

GENERAL NOTES

1. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

2. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

3. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

4. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

5. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

6. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

7. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

8. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

9. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

10. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

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12. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

13. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

14. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

15. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

16. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

17. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

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GENERAL NOTES

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21. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

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23. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

24. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

25. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

26. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

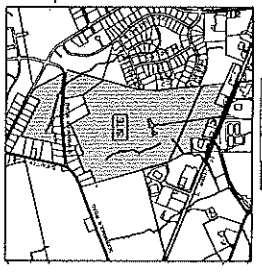
27. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

GENERAL NOTES

28. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

29. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.

30. THE PLANNING COMMISSION HAS REVIEWED THE PLAN AND FINDS IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE SUBDIVISION MAP ACT.



LOCATION MAP

1. PROJECT SITE

2. TOWNSHIP BOUNDARIES

3. SURROUNDING AREAS

ZONING DATA

1. ZONING DISTRICT: R-1

2. ZONING DESCRIPTION: SINGLE-FAMILY RESIDENTIAL

3. ZONING REGULATIONS: SEE ZONING ORDINANCE

PHASING SCHEDULE

1. PHASE 1: 100 LOTS

2. PHASE 2: 100 LOTS

3. PHASE 3: 100 LOTS

4. PHASE 4: 100 LOTS

PHASING SCHEDULE

5. PHASE 5: 100 LOTS

6. PHASE 6: 100 LOTS

7. PHASE 7: 100 LOTS

8. PHASE 8: 100 LOTS

PHASING SCHEDULE

9. PHASE 9: 100 LOTS

10. PHASE 10: 100 LOTS

11. PHASE 11: 100 LOTS

12. PHASE 12: 100 LOTS

PHASING SCHEDULE

13. PHASE 13: 100 LOTS

14. PHASE 14: 100 LOTS

15. PHASE 15: 100 LOTS

16. PHASE 16: 100 LOTS

PHASING SCHEDULE

17. PHASE 17: 100 LOTS

18. PHASE 18: 100 LOTS

19. PHASE 19: 100 LOTS

20. PHASE 20: 100 LOTS

PHASING SCHEDULE

21. PHASE 21: 100 LOTS

22. PHASE 22: 100 LOTS

23. PHASE 23: 100 LOTS

24. PHASE 24: 100 LOTS

PHASING SCHEDULE

25. PHASE 25: 100 LOTS

26. PHASE 26: 100 LOTS

27. PHASE 27: 100 LOTS

28. PHASE 28: 100 LOTS

PHASING SCHEDULE

29. PHASE 29: 100 LOTS

30. PHASE 30: 100 LOTS

31. PHASE 31: 100 LOTS

32. PHASE 32: 100 LOTS

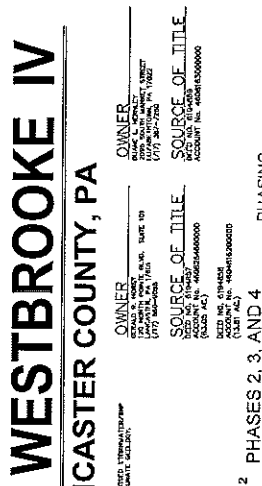
PHASING SCHEDULE

33. PHASE 33: 100 LOTS

34. PHASE 34: 100 LOTS

35. PHASE 35: 100 LOTS

36. PHASE 36: 100 LOTS



ZONING MAP

1. PROJECT SITE

2. ZONING DISTRICTS

3. SURROUNDING AREAS

ZONING MAP

4. PROJECT SITE

5. ZONING DISTRICTS

6. SURROUNDING AREAS

ZONING MAP

7. PROJECT SITE

8. ZONING DISTRICTS

9. SURROUNDING AREAS

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ZONING MAP

16. PROJECT SITE

17. ZONING DISTRICTS

18. SURROUNDING AREAS

ZONING MAP

19. PROJECT SITE

20. ZONING DISTRICTS

21. SURROUNDING AREAS

ZONING MAP

22. PROJECT SITE

23. ZONING DISTRICTS

24. SURROUNDING AREAS

ZONING MAP

25. PROJECT SITE

26. ZONING DISTRICTS

27. SURROUNDING AREAS

ZONING MAP

28. PROJECT SITE

29. ZONING DISTRICTS

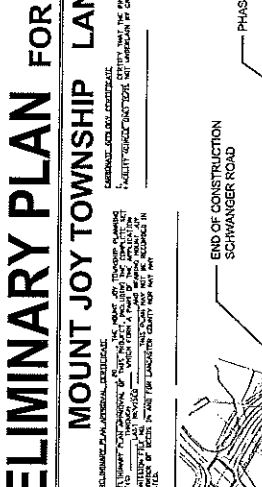
30. SURROUNDING AREAS

ZONING MAP

31. PROJECT SITE

32. ZONING DISTRICTS

33. SURROUNDING AREAS



PHASING MAP

1. PROJECT SITE

2. PHASING DISTRICTS

3. SURROUNDING AREAS

PHASING MAP

4. PROJECT SITE

5. PHASING DISTRICTS

6. SURROUNDING AREAS

PHASING MAP

7. PROJECT SITE

8. PHASING DISTRICTS

9. SURROUNDING AREAS

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PHASING MAP

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PHASING MAP

22. PROJECT SITE

23. PHASING DISTRICTS

24. SURROUNDING AREAS

PHASING MAP

25. PROJECT SITE

26. PHASING DISTRICTS

27. SURROUNDING AREAS

PHASING MAP

28. PROJECT SITE

29. PHASING DISTRICTS

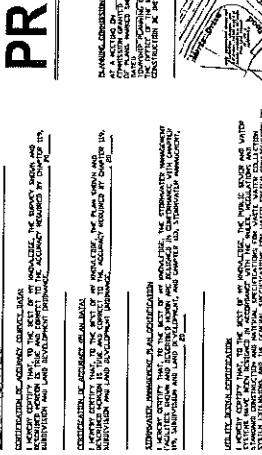
30. SURROUNDING AREAS

PHASING MAP

31. PROJECT SITE

32. PHASING DISTRICTS

33. SURROUNDING AREAS



PHASING MAP

1. PROJECT SITE

2. PHASING DISTRICTS

3. SURROUNDING AREAS

PHASING MAP

4. PROJECT SITE

5. PHASING DISTRICTS

6. SURROUNDING AREAS

PHASING MAP

7. PROJECT SITE

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PHASING MAP

22. PROJECT SITE

23. PHASING DISTRICTS

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PHASING MAP

25. PROJECT SITE

26. PHASING DISTRICTS

27. SURROUNDING AREAS

PHASING MAP

28. PROJECT SITE

29. PHASING DISTRICTS

30. SURROUNDING AREAS

PHASING MAP

31. PROJECT SITE

32. PHASING DISTRICTS

33. SURROUNDING AREAS

Raffensberger Tract

Transportation Impact Study

Mount Joy Township
Lancaster County, Pennsylvania

For Submission to:

Mount Joy Township

Prepared for:

Mr. Gerry Horst, President
Horst & Son, Inc.
120 North Pointe Blvd., #101
Lancaster, PA 17601

December 9, 2020

RETTEW Project No.: 019792000

Prepared by:

RETTEW^{SA}

3020 Columbia Avenue
Lancaster, PA 17603

Tel: (717) 394-3721 Fax: (717) 394-1063

e-mail: jschick@rettew.com

Prepared by: _____

John M. Schick, EIT
Senior Project Manager - Transportation Engineering

Under the Direction of: _____

Jeffrey Case, PE
Director of Transportation Engineering

C:_RettewVault\WP\019792000-Raffensberger\Sheets\TR\019792000-TR-TIS_FIGS.dwg

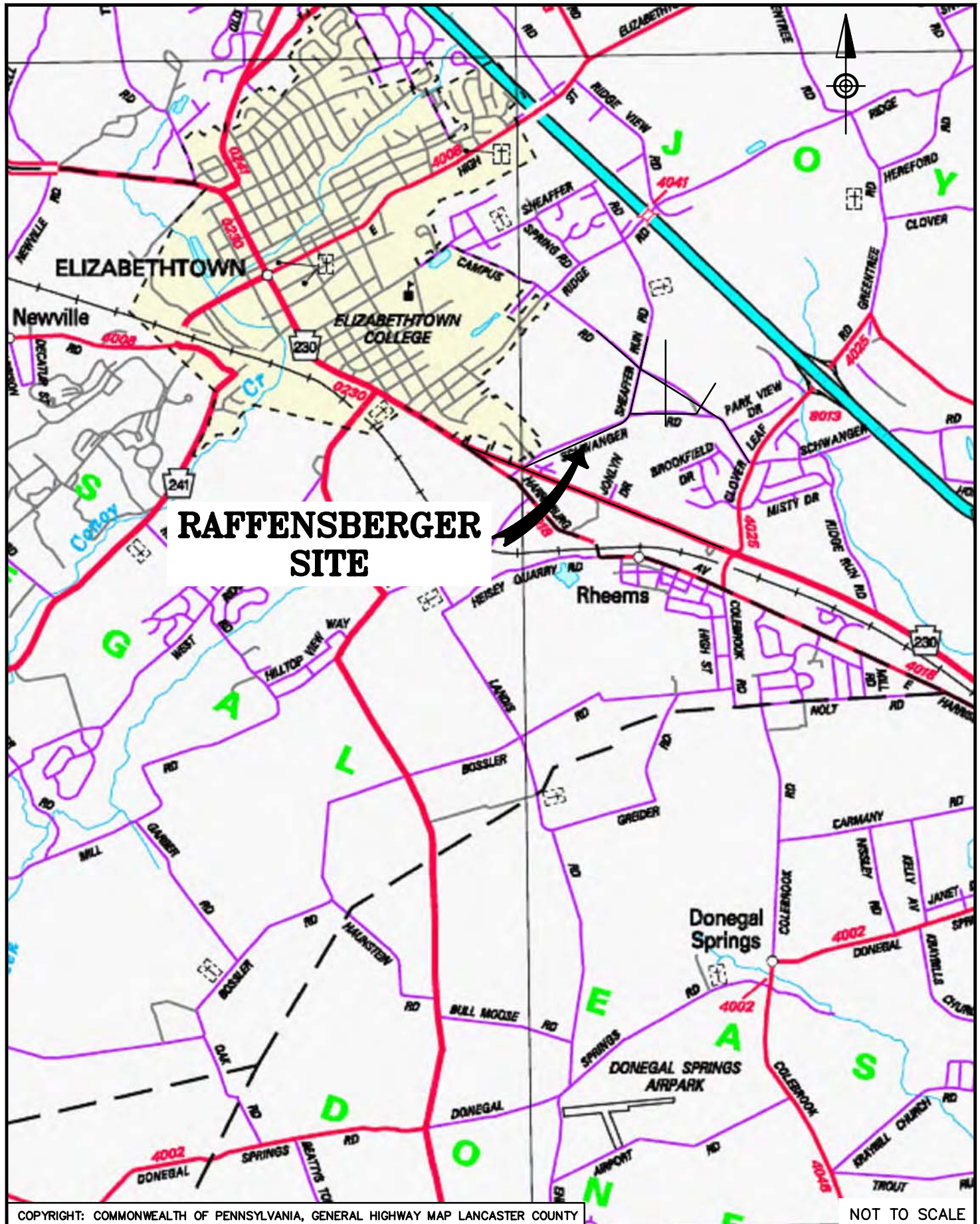


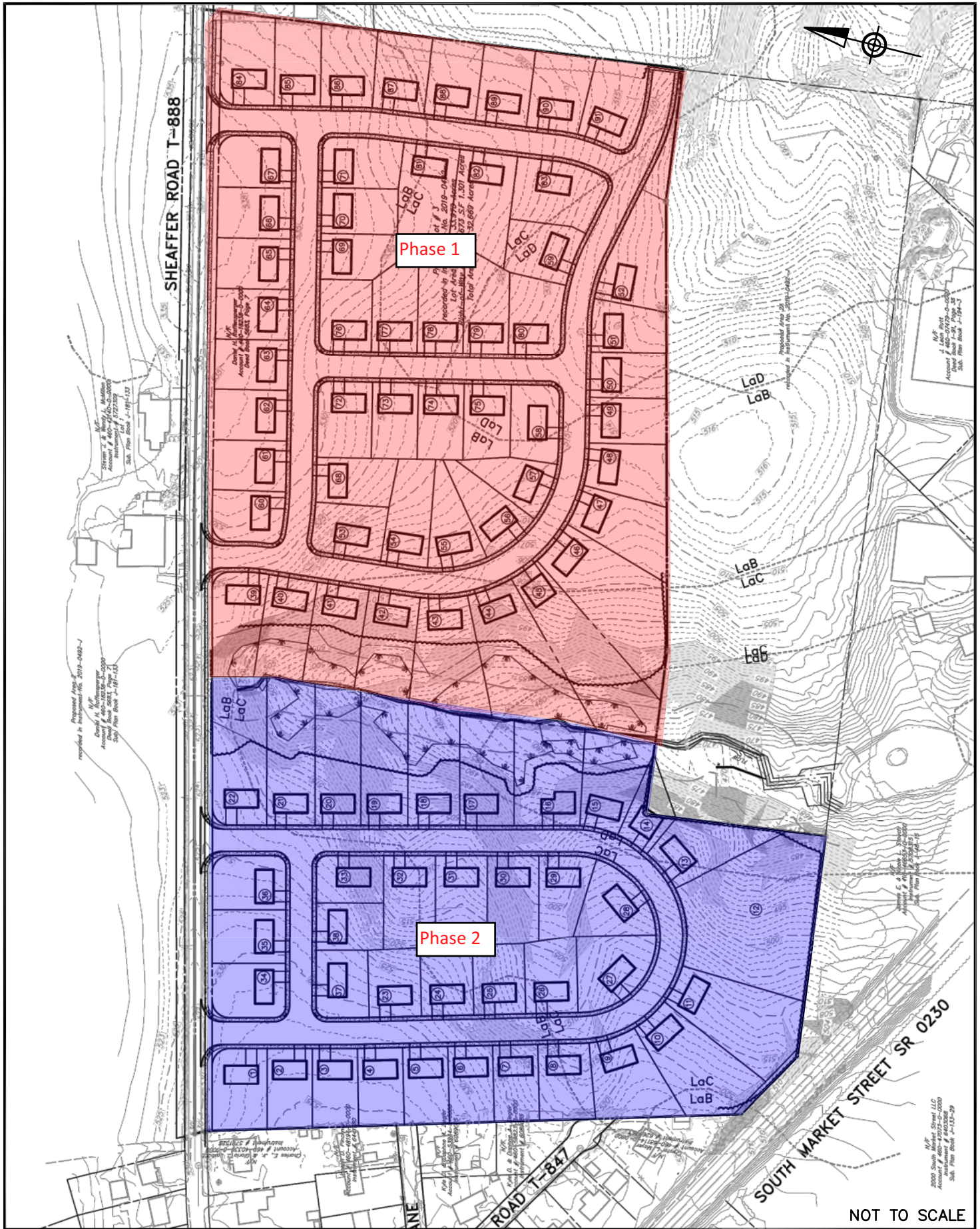
Figure 1
Site Location
RAFFENSBERGER

Mount Joy Township

Lancaster County, PA

RETTEW

3020 Columbia Ave., Lancaster, PA 17603
TEL (717) 394-3721 FAX (717) 394-1063



NOT TO SCALE

Figure 2
Site Layout
RAFFENSBERGER

RETTEWSM

3020 Columbia Ave., Lancaster, PA 17603
TEL (717) 394-3721 FAX (717) 394-1063

Mount Joy Township

RAFFENSBERGER

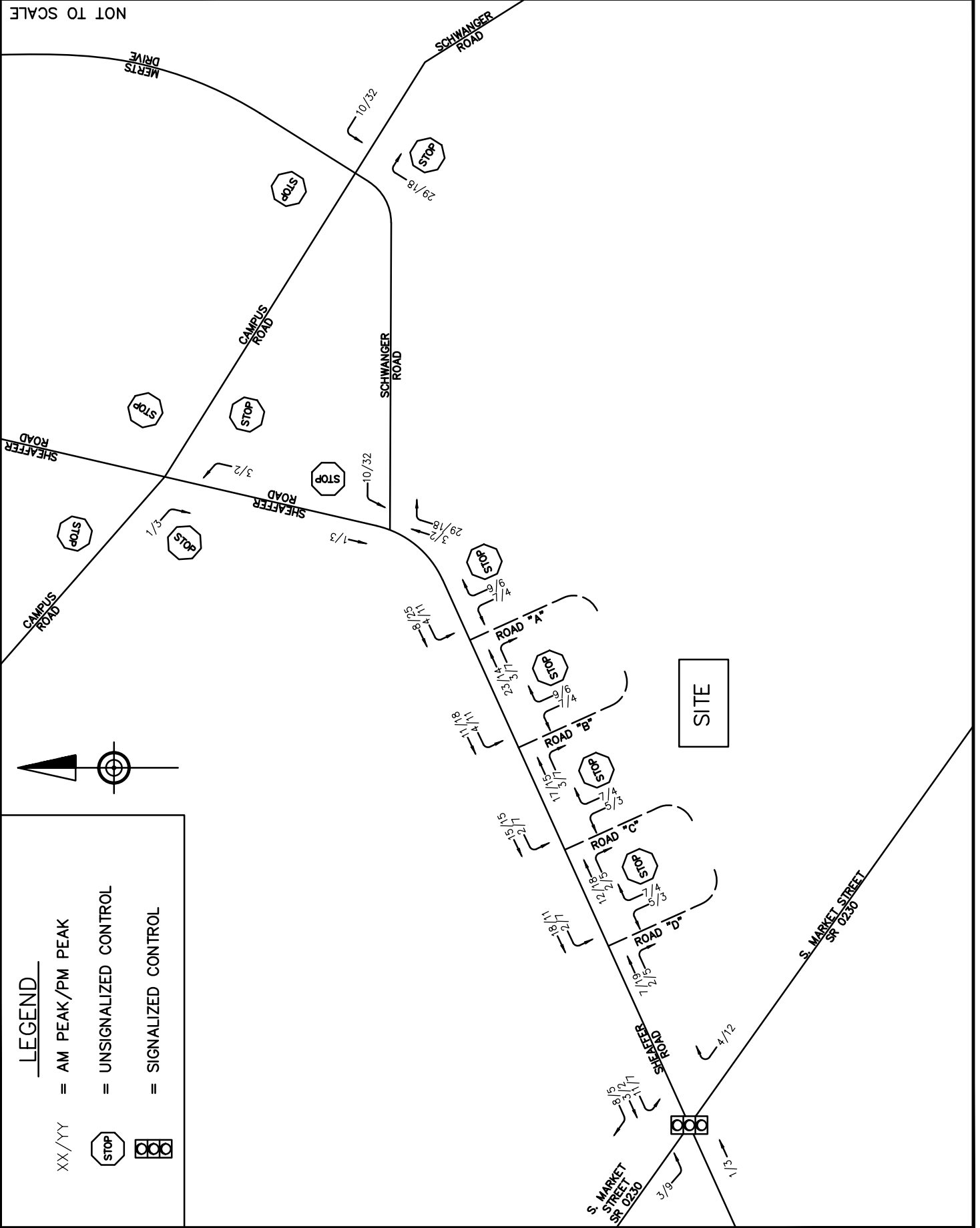
Site-Generated AM And PM Peak Hour Traffic Volumes

Figure 7

3020 Columbia Ave., Lancaster, PA 17603
TEL (717) 394-3721 FAX (717) 394-1063

RETTEW

NOT TO SCALE



Transportation Impact Study

for the

Proposed 1376 Campus Road Development

Mount Joy Township
Lancaster County, Pennsylvania

prepared for

Catalyst Development Group

June 2021

prepared by



PA Office
2 East Market Street, Suite 2
York, PA 17401-1206
T: (717) 846-4660

MD Office
901 Dulaney Valley Road, Suite 805
Towson, MD 21204-2624
T: (443) 275-2344

www.consulttrg.com



A handwritten signature in blue ink that reads "Christopher E. Schwab".

Christopher E. Schwab, P.E.
Pennsylvania P.E. No. 074341

Project No.228.024.21

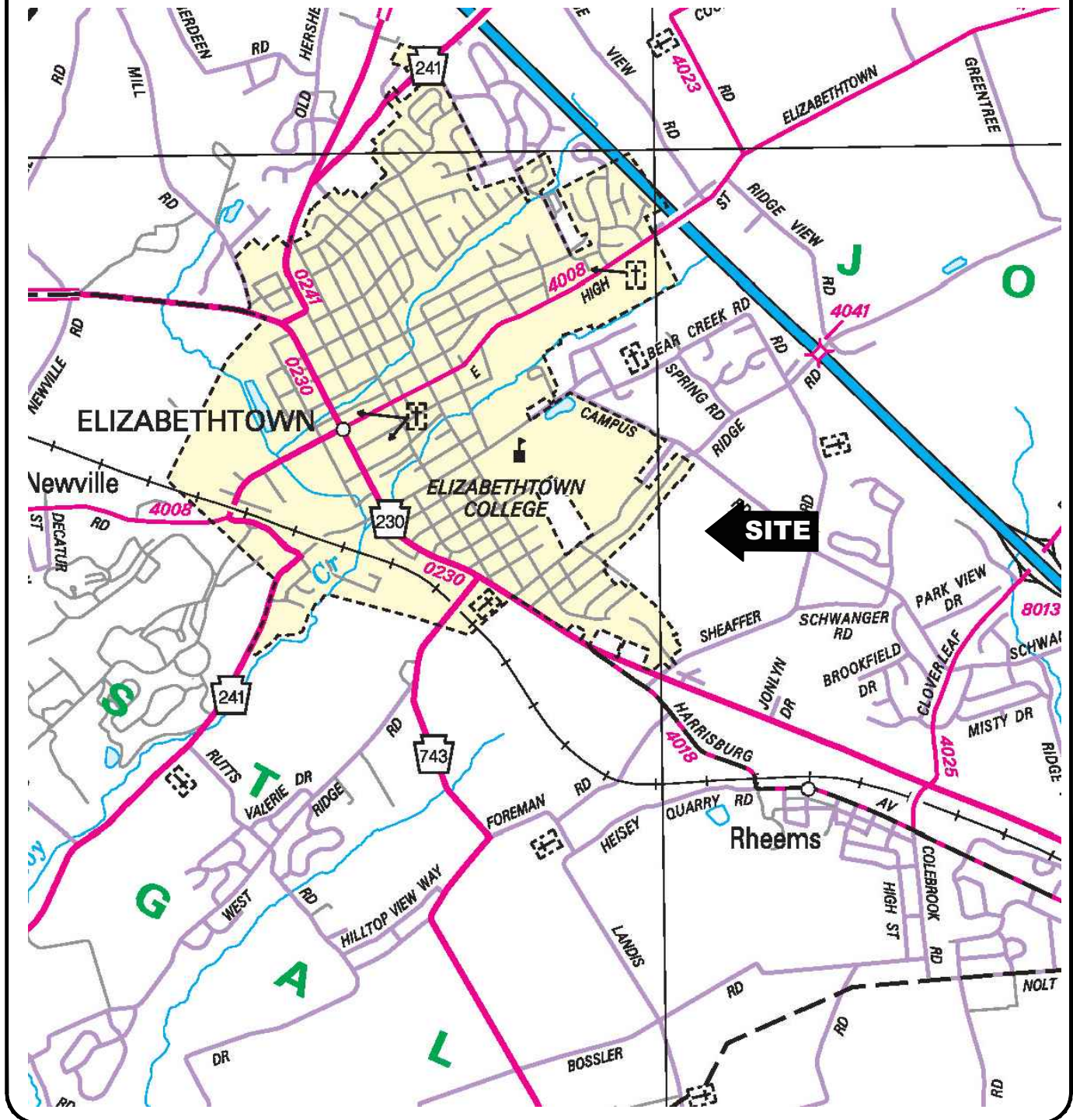
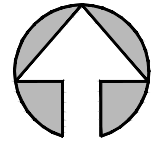


FIGURE 1

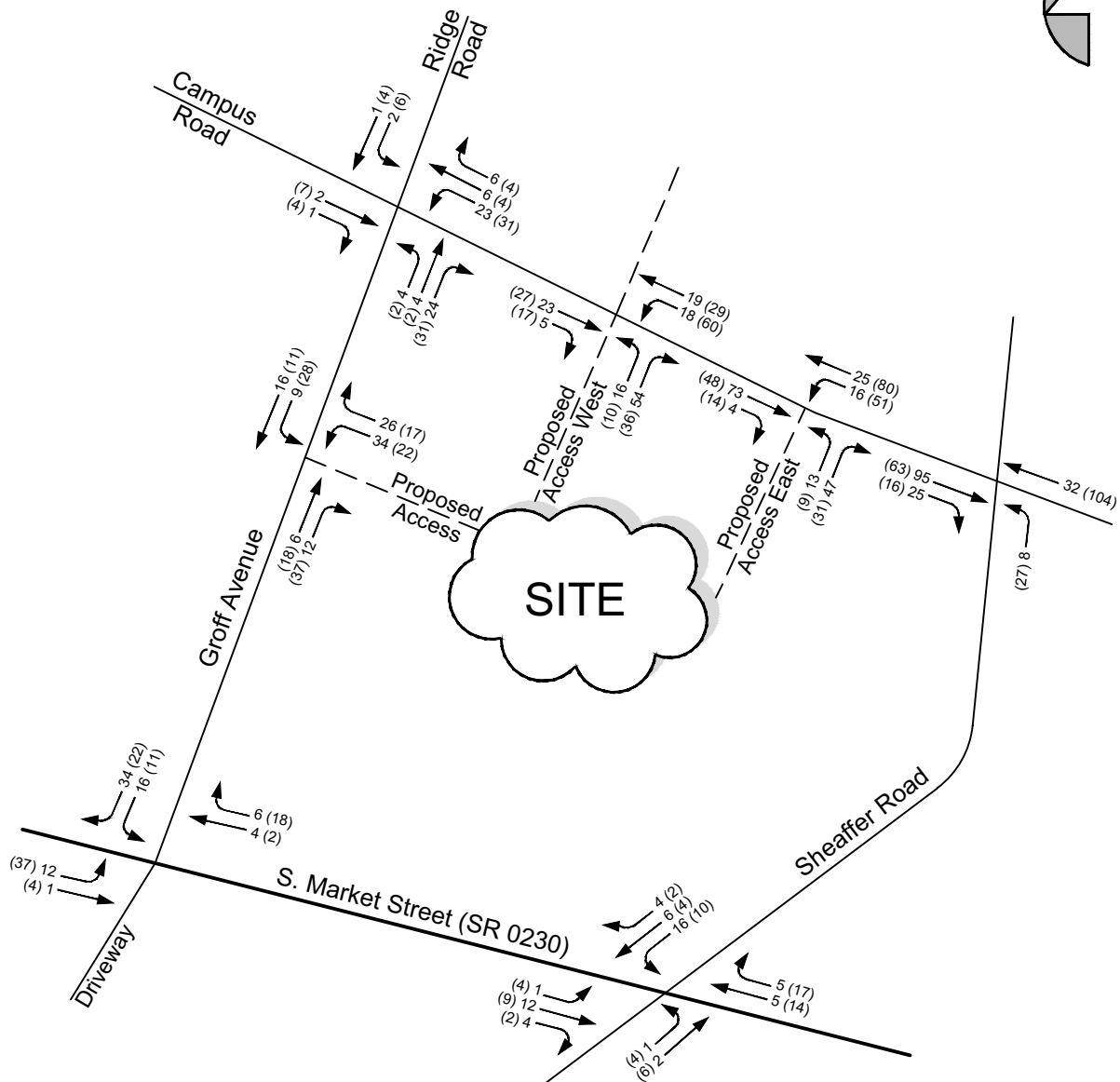
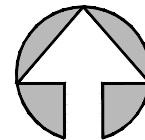
SITE LOCATION MAP

TRANSPORTATION IMPACT STUDY

1376 CAMPUS ROAD

MT. JOY TOWNSHIP
LANCASTER COUNTY, PA





LEGEND

— Existing Street

--- Proposed Street/Driveway

000 AM Peak Hour Total Site Trips

(000) PM Peak Hour Total Site Trips

← Vehicle Movement



FIGURE 9

TOTAL SITE TRIPS
AM & PM PEAK HOURS

TRANSPORTATION IMPACT STUDY

1376 CAMPUS ROAD

MT. JOY TOWNSHIP
LANCASTER COUNTY, PA

Transportation Impact Study

for the

Proposed 1925 Sheaffer Road Development

Mount Joy Township
Lancaster County, Pennsylvania

prepared for

Hershey Developers LLC

June 2021

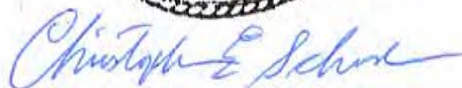
prepared by



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901 Dulaney Valley Road, Suite 805
Towson, MD 21204-2624
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Christopher E. Schwab, P.E.
Pennsylvania P.E. No. 074341

Project No.516.001.21

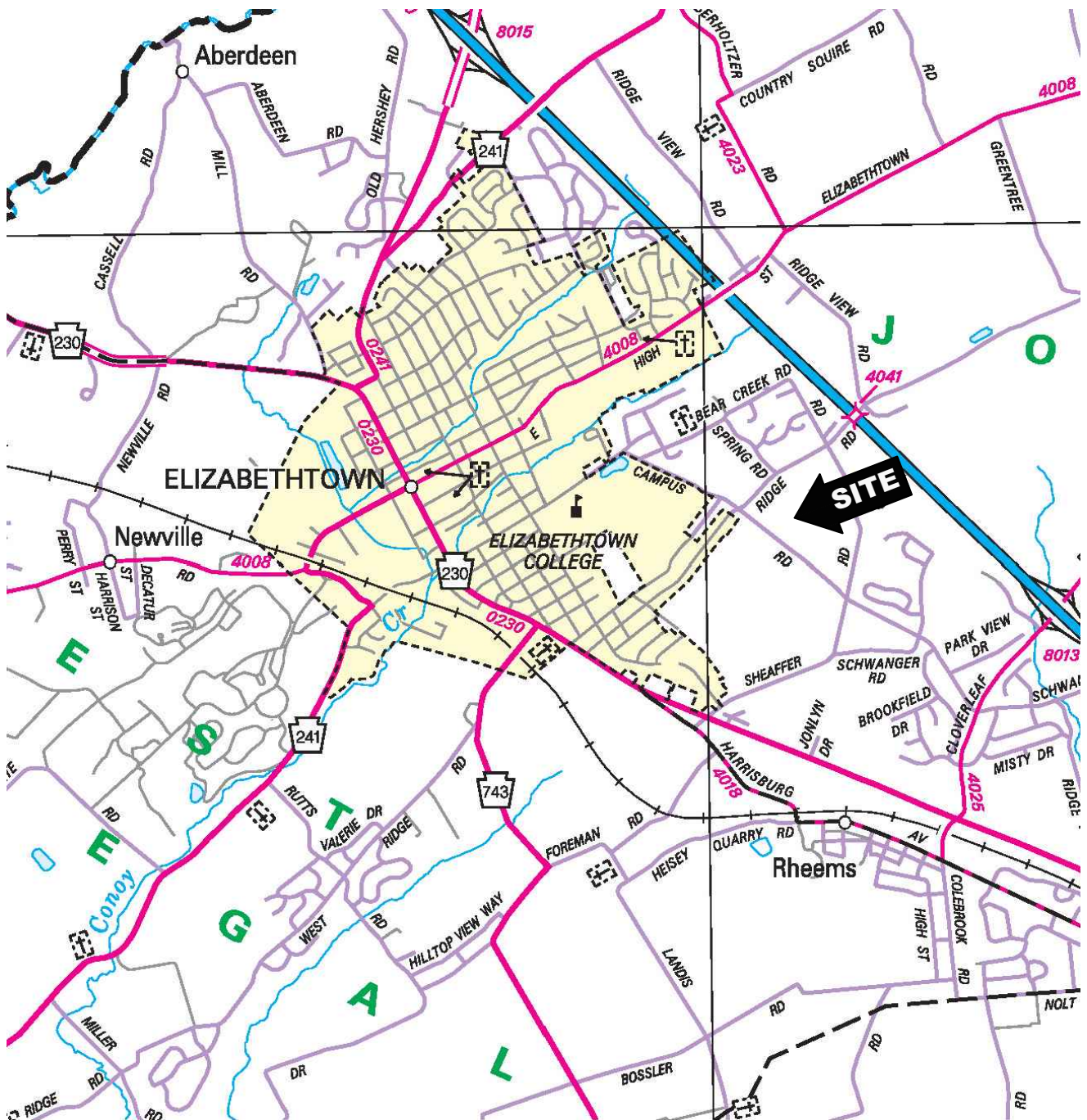
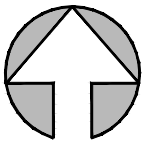


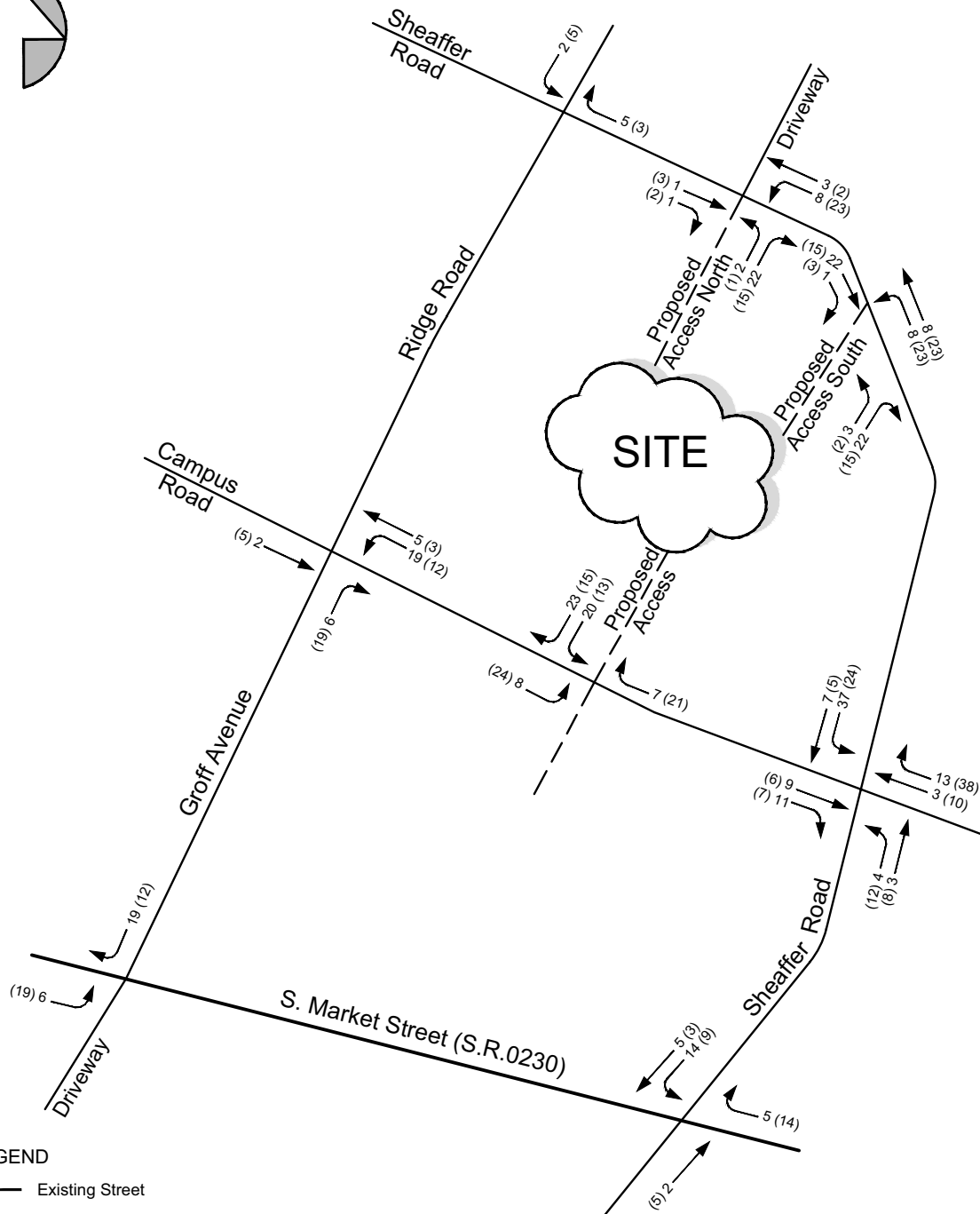
FIGURE 1

SITE LOCATION MAP

TRANSPORTATION IMPACT STUDY

1925 SHEAFFER ROAD

MT. JOY TOWNSHIP
LANCASTER COUNTY, PA

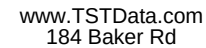


← Vehicle Movement



APPENDIX H

TURNING MOVEMENT COUNTS



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound					Maytown Rd Northbound							Int. Total
	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	Right on Red	U-Turn	Peds	App. Total		
6:00 AM	67	17	4	0	0	88	7	45	0	0	52	15	12	2	0	0	29	169	
6:15 AM	68	14	4	0	0	86	8	61	0	0	69	22	20	0	0	0	42	197	
6:30 AM	79	9	3	0	0	91	14	80	0	0	94	23	18	0	0	1	41	226	
6:45 AM	60	14	1	0	0	75	11	73	0	0	84	24	30	0	0	0	54	213	
Hourly Total	274	54	12	0	0	340	40	259	0	0	299	84	80	2	0	1	166	805	
7:00 AM	70	11	3	0	0	84	11	73	0	0	84	30	37	0	0	0	67	235	
7:15 AM	90	25	0	0	0	115	12	89	0	0	101	47	36	0	0	1	83	299	
7:30 AM	95	17	0	0	0	112	22	84	0	0	106	35	38	0	0	0	73	291	
7:45 AM	110	16	3	0	0	129	22	92	0	0	114	41	36	0	0	1	77	320	
Hourly Total	365	69	6	0	0	440	67	338	0	0	405	153	147	0	0	2	300	1145	
8:00 AM	91	14	2	0	0	107	23	66	0	0	89	17	26	0	0	0	43	239	
8:15 AM	82	12	0	0	0	94	14	50	0	0	64	22	30	0	0	0	52	210	
8:30 AM	76	10	1	0	0	87	22	65	0	0	87	19	34	0	0	0	53	227	
8:45 AM	95	8	1	0	0	104	19	78	0	0	97	19	34	0	0	0	53	254	
Hourly Total	344	44	4	0	0	392	78	259	0	0	337	77	124	0	0	0	201	930	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3:00 PM	115	18	0	0	0	133	46	99	0	0	145	15	33	0	0	0	48	326	
3:15 PM	119	21	1	0	0	141	52	93	0	0	145	23	36	1	0	0	60	346	
3:30 PM	133	23	4	0	0	160	43	93	0	0	136	20	29	0	0	0	49	345	
3:45 PM	140	21	0	0	0	161	52	88	0	0	140	32	22	0	0	1	54	355	
Hourly Total	507	83	5	0	0	595	193	373	0	0	566	90	120	1	0	1	211	1372	
4:00 PM	161	18	4	0	0	183	39	92	0	0	131	20	26	0	0	1	46	360	
4:15 PM	137	19	0	0	0	156	54	82	0	0	136	22	42	0	0	1	64	356	
4:30 PM	160	22	1	0	1	183	56	126	0	0	182	24	26	0	0	0	50	415	
4:45 PM	150	16	4	0	0	170	38	90	0	0	128	19	32	0	0	0	51	349	
Hourly Total	608	75	9	0	1	692	187	390	0	0	577	85	126	0	0	2	211	1480	
5:00 PM	146	23	2	0	0	171	47	120	0	0	167	38	26	0	0	0	64	402	
5:15 PM	165	15	1	0	0	181	48	132	0	0	180	40	39	0	0	0	79	440	
5:30 PM	133	22	1	0	0	156	58	127	0	0	185	25	38	0	0	0	63	404	
5:45 PM	120	16	3	0	0	139	42	104	0	0	146	29	25	0	0	0	54	339	
Hourly Total	564	76	7	0	0	647	195	483	0	0	678	132	128	0	0	0	260	1585	
6:00 PM	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	
Grand Total	2662	401	43	0	1	3106	760	2103	0	0	2863	621	725	3	0	6	1349	7318	
Approach %	85.7	12.9	1.4	0.0	-	-	26.5	73.5	0.0	-	-	46.0	53.7	0.2	0.0	-	-	-	
Total %	36.4	5.5	0.6	0.0	-	42.4	10.4	28.7	0.0	-	39.1	8.5	9.9	0.0	0.0	-	18.4	-	
Lights	2516	388	41	0	-	2945	733	1982	0	-	2715	599	711	3	0	-	1313	6973	
% Lights	94.5	96.8	95.3	-	-	94.8	96.4	94.2	-	-	94.8	96.5	98.1	100.0	-	-	97.3	95.3	
Buses	36	5	0	0	-	41	12	22	0	-	34	8	5	0	0	-	13	88	
% Buses	1.4	1.2	0.0	-	-	1.3	1.6	1.0	-	-	1.2	1.3	0.7	0.0	-	-	1.0	1.2	
Trucks	110	8	2	0	-	120	15	99	0	-	114	14	9	0	0	-	23	257	
% Trucks	4.1	2.0	4.7	-	-	3.9	2.0	4.7	-	-	4.0	2.3	1.2	0.0	-	-	1.7	3.5	
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	1	-	-	
% Bicycles on Crosswalk	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	16.7	-	-	
Pedestrians	-	-	-	-	1	-	-	-	-	0	-	-	-	-	-	5	-	-	
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	83.3	-	-	

Turning Movement Peak Hour Data (7:15 AM)

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound					Maytown Rd Northbound						Int. Total
	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	Right on Red	U-Turn	Peds	App. Total	
7:15 AM	90	25	0	0	0	115	12	89	0	0	101	47	36	0	0	1	83	299
7:30 AM	95	17	0	0	0	112	22	84	0	0	106	35	38	0	0	0	73	291
7:45 AM	110	16	3	0	0	129	22	92	0	0	114	41	36	0	0	1	77	320
8:00 AM	91	14	2	0	0	107	23	66	0	0	89	17	26	0	0	0	43	239
Total	386	72	5	0	0	463	79	331	0	0	410	140	136	0	0	2	276	1149
Approach %	83.4	15.6	1.1	0.0	-	-	19.3	80.7	0.0	-	-	50.7	49.3	0.0	0.0	-	-	-
Total %	33.6	6.3	0.4	0.0	-	40.3	6.9	28.8	0.0	-	35.7	12.2	11.8	0.0	0.0	-	24.0	-
PHF	0.877	0.720	0.417	0.000	-	0.897	0.859	0.899	0.000	-	0.899	0.745	0.895	0.000	0.000	-	0.831	0.898
Lights	350	65	3	0	-	418	74	291	0	-	365	134	133	0	0	-	267	1050
% Lights	90.7	90.3	60.0	-	-	90.3	93.7	87.9	-	-	89.0	95.7	97.8	-	-	-	96.7	91.4
Buses	5	3	0	0	-	8	3	2	0	-	5	2	0	0	0	-	2	15
% Buses	1.3	4.2	0.0	-	-	1.7	3.8	0.6	-	-	1.2	1.4	0.0	-	-	-	0.7	1.3
Trucks	31	4	2	0	-	37	2	38	0	-	40	4	3	0	0	-	7	84
% Trucks	8.0	5.6	40.0	-	-	8.0	2.5	11.5	-	-	9.8	2.9	2.2	-	-	-	2.5	7.3
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	2	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Coatesville, Pennsylvania, United States 19320
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Turning Movement Peak Hour Data (4:30 PM)

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound					Maytown Rd Northbound						Int. Total
	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	Right on Red	U-Turn	Peds	App. Total	
4:30 PM	160	22	1	0	1	183	56	126	0	0	182	24	26	0	0	0	50	415
4:45 PM	150	16	4	0	0	170	38	90	0	0	128	19	32	0	0	0	51	349
5:00 PM	146	23	2	0	0	171	47	120	0	0	167	38	26	0	0	0	64	402
5:15 PM	165	15	1	0	0	181	48	132	0	0	180	40	39	0	0	0	79	440
Total	621	76	8	0	1	705	189	468	0	0	657	121	123	0	0	0	244	1606
Approach %	88.1	10.8	1.1	0.0	-	-	28.8	71.2	0.0	-	-	49.6	50.4	0.0	0.0	-	-	-
Total %	38.7	4.7	0.5	0.0	-	43.9	11.8	29.1	0.0	-	40.9	7.5	7.7	0.0	0.0	-	15.2	-
PHF	0.941	0.826	0.500	0.000	-	0.963	0.844	0.886	0.000	-	0.902	0.756	0.788	0.000	0.000	-	0.772	0.913
Lights	604	76	8	0	-	688	187	465	0	-	652	120	122	0	0	-	242	1582
% Lights	97.3	100.0	100.0	-	-	97.6	98.9	99.4	-	-	99.2	99.2	99.2	-	-	-	99.2	98.5
Buses	9	0	0	0	-	9	1	0	0	-	1	0	0	0	0	-	0	10
% Buses	1.4	0.0	0.0	-	-	1.3	0.5	0.0	-	-	0.2	0.0	0.0	-	-	-	0.0	0.6
Trucks	8	0	0	0	-	8	1	3	0	-	4	1	1	0	0	-	2	14
% Trucks	1.3	0.0	0.0	-	-	1.1	0.5	0.6	-	-	0.6	0.8	0.8	-	-	-	0.8	0.9
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	1	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-



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Turning Movement Data

[illegible]



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Turning Movement Peak Hour Data (11:30 AM)

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound					Maytown Rd Northbound						Int. Total
	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	Right on Red	U-Turn	Peds	App. Total	
11:30 AM	150	16	1	0	0	167	26	136	0	0	162	25	32	0	0	0	57	386
11:45 AM	141	21	1	0	0	163	29	121	0	0	150	29	34	0	0	0	63	376
12:00 PM	155	20	0	0	0	175	38	120	0	0	158	18	37	0	0	0	55	388
12:15 PM	157	22	0	0	0	179	35	136	0	0	171	15	20	0	0	0	35	385
Total	603	79	2	0	0	684	128	513	0	0	641	87	123	0	0	0	210	1535
Approach %	88.2	11.5	0.3	0.0	-	-	20.0	80.0	0.0	-	-	41.4	58.6	0.0	0.0	-	-	-
Total %	39.3	5.1	0.1	0.0	-	44.6	8.3	33.4	0.0	-	41.8	5.7	8.0	0.0	0.0	-	13.7	-
PHF	0.960	0.898	0.500	0.000	-	0.955	0.842	0.943	0.000	-	0.937	0.750	0.831	0.000	0.000	-	0.833	0.989
Lights	599	79	2	0	-	680	128	509	0	-	637	87	122	0	0	-	209	1526
% Lights	99.3	100.0	100.0	-	-	99.4	100.0	99.2	-	-	99.4	100.0	99.2	-	-	-	99.5	99.4
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	0	-	0	0
% Buses	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Trucks	4	0	0	0	-	4	0	4	0	-	4	0	1	0	0	-	1	9
% Trucks	0.7	0.0	0.0	-	-	0.6	0.0	0.8	-	-	0.6	0.0	0.8	-	-	-	0.5	0.6
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Turning Movement Data

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound						Northbound Approach Northbound						Groff Ave Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
6:00 AM	1	95	0	0	0	96	0	51	0	0	0	51	0	0	0	0	0	0	8	0	1	0	0	9	156
6:15 AM	1	93	0	0	0	94	0	77	4	0	0	81	0	0	0	0	0	0	5	0	8	0	0	13	188
6:30 AM	1	112	0	0	0	113	0	101	5	0	0	106	0	0	0	0	1	0	8	0	0	0	0	8	227
6:45 AM	3	104	0	0	0	107	0	94	4	0	0	98	0	0	0	0	0	0	8	0	6	0	0	14	219
Hourly Total	6	404	0	0	0	410	0	323	13	0	0	336	0	0	0	0	1	0	29	0	15	0	0	44	790
7:00 AM	8	109	0	0	0	117	0	115	6	0	0	121	0	0	0	0	0	0	9	0	6	0	0	15	253
7:15 AM	9	125	0	0	0	134	0	134	7	0	0	141	0	0	0	0	0	0	4	0	9	0	0	13	288
7:30 AM	7	142	0	0	0	149	0	125	8	0	0	133	0	0	0	0	0	0	15	0	9	0	1	24	306
7:45 AM	2	160	0	0	0	162	0	138	11	0	0	149	0	0	0	0	1	0	14	0	11	0	0	25	336
Hourly Total	26	536	0	0	0	562	0	512	32	0	0	544	0	0	0	0	1	0	42	0	35	0	1	77	1183
8:00 AM	7	123	1	0	0	131	0	105	14	0	0	119	0	0	2	0	0	2	7	0	5	0	0	12	264
8:15 AM	9	110	0	0	0	119	2	83	12	0	0	97	0	0	0	0	0	0	9	0	4	0	0	13	229
8:30 AM	5	110	0	0	0	115	0	97	8	0	0	105	0	0	0	0	0	0	14	1	9	0	0	24	244
8:45 AM	2	144	1	0	0	147	0	132	6	0	0	138	0	0	0	0	0	0	13	0	11	0	0	24	309
Hourly Total	23	487	2	0	0	512	2	417	40	0	0	459	0	0	2	0	0	2	43	1	29	0	0	73	1046
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	1	177	0	0	0	178	0	198	25	0	0	223	0	0	1	0	0	1	11	0	10	0	0	21	423
3:15 PM	5	162	0	0	0	167	0	197	21	0	0	218	0	0	2	0	0	2	12	0	9	0	1	21	408
3:30 PM	7	182	0	0	0	189	0	186	20	0	0	206	0	0	0	0	0	0	14	0	10	0	0	24	419
3:45 PM	3	183	0	0	0	186	0	200	32	0	0	232	0	0	0	0	1	0	13	0	12	0	0	25	443
Hourly Total	16	704	0	0	0	720	0	781	98	0	0	879	0	0	3	0	1	3	50	0	41	0	1	91	1693
4:00 PM	8	208	0	0	0	216	0	211	15	0	0	226	0	0	0	0	0	0	8	0	6	0	0	14	456
4:15 PM	14	182	1	0	0	197	0	204	17	0	0	221	0	0	1	0	1	1	12	0	13	0	0	25	444
4:30 PM	8	195	0	0	0	203	0	238	20	0	0	258	1	0	0	0	0	1	7	0	18	0	0	25	487
4:45 PM	3	191	0	0	0	194	0	198	24	0	0	222	0	0	2	0	0	2	7	0	6	0	1	13	431
Hourly Total	33	776	1	0	0	810	0	851	76	0	0	927	1	0	3	0	1	4	34	0	43	0	1	77	1818
5:00 PM	8	183	0	0	0	191	0	230	22	0	0	252	0	0	0	0	0	0	7	0	13	0	0	20	463
5:15 PM	8	208	0	0	0	216	0	260	17	0	0	277	0	0	0	0	0	0	8	0	10	0	0	18	511
5:30 PM	9	175	0	0	0	184	0	234	19	0	0	253	0	0	1	0	0	1	7	0	7	0	1	14	452
5:45 PM	4	147	0	0	0	151	0	205	13	0	0	218	1	0	0	0	0	1	8	0	8	1	2	17	387
Hourly Total	29	713	0	0	0	742	0	929	71	0	0	1000	1	0	1	0	0	2	30	0	38	1	3	69	1813
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	133	3620	3	0	0	3756	2	3813	330	0	0	4145	2	0	9	0	4	11	228	1	201	1	6	431	8343
Approach %	3.5	96.4	0.1	0.0	-	-	0.0	92.0	8.0	0.0	-	-	18.2	0.0	81.8	0.0	-	-	52.9	0.2	46.6	0.2	-	-	-
Total %	1.6	43.4	0.0	0.0	-	45.0	0.0	45.7	4.0	0.0	-	49.7	0.0	0.0	0.1	0.0	-	0.1	2.7	0.0	2.4	0.0	-	5.2	-
Lights	125	3474	3	0	-	3602	2	3667	324	0	-	3993	2	0	8	0	-	10	226	1	181	1	-	409	8014
% Lights	94.0	96.0	100.0	-	-	95.9	100.0	96.2	98.2	-	-	96.3	100.0	-	88.9	-	-	90.9	99.1	100.0	90.0	100.0	-	94.9	96.1
Buses	1	40	0	0	-	41	0	39	1	0	-	40	0	0	0	0	-	0	0	0	3	0	-	3	84
% Buses	0.8	1.1	0.0	-	-	1.1	0.0	1.0	0.3	-	-	1.0	0.0	-	0.0	-	-	0.0	0.0	0.0	1.5	0.0	-	0.7	1.0
Trucks	7	106	0	0	-	113	0	107	5	0	-	112	0	0	1	0	-	1	2	0	17	0	-	19	245
% Trucks	5.3	2.9	0.0	-	-	3.0	0.0	2.8	1.5	-	-	2.7	0.0	-	11.1	-	-	9.1	0.9	0.0	8.5	0.0	-	4.4	2.9
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	4	-	-	-	-	-	6	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (7:15 AM)

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound						Northbound Approach Northbound						Groff Ave Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
7:15 AM	9	125	0	0	0	134	0	134	7	0	0	141	0	0	0	0	0	0	4	0	9	0	0	13	288
7:30 AM	7	142	0	0	0	149	0	125	8	0	0	133	0	0	0	0	0	0	15	0	9	0	1	24	306
7:45 AM	2	160	0	0	0	162	0	138	11	0	0	149	0	0	0	0	1	0	14	0	11	0	0	25	336
8:00 AM	7	123	1	0	0	131	0	105	14	0	0	119	0	0	2	0	0	2	7	0	5	0	0	12	264
Total	25	550	1	0	0	576	0	502	40	0	0	542	0	0	2	0	1	2	40	0	34	0	1	74	1194
Approach %	4.3	95.5	0.2	0.0	-	-	0.0	92.6	7.4	0.0	-	-	0.0	0.0	100.0	0.0	-	-	54.1	0.0	45.9	0.0	-	-	-
Total %	2.1	46.1	0.1	0.0	-	48.2	0.0	42.0	3.4	0.0	-	45.4	0.0	0.0	0.2	0.0	-	0.2	3.4	0.0	2.8	0.0	-	6.2	-
PHF	0.694	0.859	0.250	0.000	-	0.889	0.000	0.909	0.714	0.000	-	0.909	0.000	0.000	0.250	0.000	-	0.250	0.667	0.000	0.773	0.000	-	0.740	0.888
Lights	23	514	1	0	-	538	0	459	36	0	-	495	0	0	1	0	-	1	40	0	28	0	-	68	1102
% Lights	92.0	93.5	100.0	-	-	93.4	-	91.4	90.0	-	-	91.3	-	-	50.0	-	-	50.0	100.0	-	82.4	-	-	91.9	92.3
Buses	0	5	0	0	-	5	0	7	0	0	-	7	0	0	0	0	-	0	0	0	1	0	-	1	13
% Buses	0.0	0.9	0.0	-	-	0.9	-	1.4	0.0	-	-	1.3	-	-	0.0	-	-	0.0	0.0	-	2.9	-	-	1.4	1.1
Trucks	2	31	0	0	-	33	0	36	4	0	-	40	0	0	1	0	-	1	0	0	5	0	-	5	79
% Trucks	8.0	5.6	0.0	-	-	5.7	-	7.2	10.0	-	-	7.4	-	-	50.0	-	-	50.0	0.0	-	14.7	-	-	6.8	6.6
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (4:30 PM)

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound						Northbound Approach Northbound						Groff Ave Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
4:30 PM	8	195	0	0	0	203	0	238	20	0	0	258	1	0	0	0	0	1	7	0	18	0	0	25	487
4:45 PM	3	191	0	0	0	194	0	198	24	0	0	222	0	0	2	0	0	2	7	0	6	0	1	13	431
5:00 PM	8	183	0	0	0	191	0	230	22	0	0	252	0	0	0	0	0	0	7	0	13	0	0	20	463
5:15 PM	8	208	0	0	0	216	0	260	17	0	0	277	0	0	0	0	0	0	8	0	10	0	0	18	511
Total	27	777	0	0	0	804	0	926	83	0	0	1009	1	0	2	0	0	3	29	0	47	0	1	76	1892
Approach %	3.4	96.6	0.0	0.0	-	-	0.0	91.8	8.2	0.0	-	-	33.3	0.0	66.7	0.0	-	-	38.2	0.0	61.8	0.0	-	-	-
Total %	1.4	41.1	0.0	0.0	-	42.5	0.0	48.9	4.4	0.0	-	53.3	0.1	0.0	0.1	0.0	-	0.2	1.5	0.0	2.5	0.0	-	4.0	-
PHF	0.844	0.934	0.000	0.000	-	0.931	0.000	0.890	0.865	0.000	-	0.911	0.250	0.000	0.250	0.000	-	0.375	0.906	0.000	0.653	0.000	-	0.760	0.926
Lights	27	758	0	0	-	785	0	921	83	0	-	1004	1	0	2	0	-	3	29	0	45	0	-	74	1866
% Lights	100.0	97.6	-	-	-	97.6	-	99.5	100.0	-	-	99.5	100.0	-	100.0	-	-	100.0	100.0	-	95.7	-	-	97.4	98.6
Buses	0	10	0	0	-	10	0	1	0	0	-	1	0	0	0	0	-	0	0	0	0	0	-	0	11
% Buses	0.0	1.3	-	-	-	1.2	-	0.1	0.0	-	-	0.1	0.0	-	0.0	-	-	0.0	0.0	-	0.0	-	-	0.0	0.6
Trucks	0	9	0	0	-	9	0	4	0	0	-	4	0	0	0	0	-	0	0	0	2	0	-	2	15
% Trucks	0.0	1.2	-	-	-	1.1	-	0.4	0.0	-	-	0.4	0.0	-	0.0	-	-	0.0	0.0	-	4.3	-	-	2.6	0.8
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Rt. 230 Eastbound						Rt. 230 Westbound						Northbound Approach						Groff Ave Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App.Total	Left	Thru	Right	U-Turn	Peds	App.Total	Northbound						Southbound						
													Left	Thru	Right	U-Turn	Peds	App.Total	Left	Thru	Right	U-Turn	Peds	App.Total	
11:00 AM	4	183	0	0	0	187	0	172	13	0	0	185	0	0	0	0	0	0	9	0	4	0	0	13	385
11:15 AM	6	180	0	0	0	186	0	173	23	0	0	196	0	0	0	0	0	0	13	0	1	0	1	14	396
11:30 AM	2	189	0	0	0	191	1	190	20	0	0	211	0	0	0	0	0	0	8	0	12	0	0	20	422
11:45 AM	2	196	0	0	0	198	0	206	25	0	0	231	0	0	0	0	0	0	17	0	7	0	0	24	453
Hourly Total	14	748	0	0	0	762	1	741	81	0	0	823	0	0	0	0	0	0	47	0	24	0	1	71	1656
12:00 PM	5	198	0	0	0	203	0	208	20	0	0	228	0	0	0	0	0	0	10	0	2	1	0	13	444
12:15 PM	7	201	0	0	0	208	0	198	34	0	0	232	0	0	1	0	0	1	12	0	13	0	0	25	466
12:30 PM	6	165	0	0	0	171	0	208	23	0	0	231	0	0	0	0	0	0	14	0	3	0	0	17	419
12:45 PM	1	178	0	0	0	179	0	176	16	0	0	192	0	0	0	0	0	0	9	0	4	0	0	13	384
Hourly Total	19	742	0	0	0	761	0	790	93	0	0	883	0	0	1	0	0	1	45	0	22	1	0	68	1713
1:00 PM	3	186	0	0	0	189	0	155	23	0	0	178	0	0	0	0	0	0	10	0	3	0	0	13	380
1:15 PM	6	155	0	0	0	161	0	197	26	0	0	223	0	0	0	0	0	0	17	0	7	0	0	24	408
1:30 PM	5	146	0	0	0	151	0	189	23	0	0	212	0	0	0	0	0	0	12	0	3	0	0	15	378
1:45 PM	3	179	0	0	0	182	0	171	15	0	0	186	0	0	0	0	0	0	18	0	7	0	0	25	393
Hourly Total	17	666	0	0	0	683	0	712	87	0	0	799	0	0	0	0	0	0	57	0	20	0	0	77	1559
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	50	2156	0	0	0	2206	1	2243	261	0	0	2505	0	0	1	0	0	1	149	0	66	1	1	216	4928
Approach %	2.3	97.7	0.0	0.0	-	-	0.0	89.5	10.4	0.0	-	-	0.0	0.0	100.0	0.0	-	-	69.0	0.0	30.6	0.5	-	-	-
Total %	1.0	43.8	0.0	0.0	-	44.8	0.0	45.5	5.3	0.0	-	50.8	0.0	0.0	0.0	0.0	-	0.0	3.0	0.0	1.3	0.0	-	4.4	-
Lights	50	2143	0	0	-	2193	1	2230	261	0	-	2492	0	0	1	0	-	1	149	0	65	1	-	215	4901
% Lights	100.0	99.4	-	-	-	99.4	100.0	99.4	100.0	-	-	99.5	-	-	100.0	-	-	100.0	100.0	-	98.5	100.0	-	99.5	99.5

Mt. Joy, PA
Route 230 & Groff Ave
Saturday, March 26, 2022
Location: 40.141363, -
76.592594

Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rt. 230 & Groff
Ave Sat
Site Code:
Start Date: 03/26/2022
Page No: 3

Turning Movement Peak Hour Data (11:30 AM)

[illegible]

Turning Movement Data

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Giant Plaza Driveway Northbound							Carey Ln Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
6:00 AM	0	84	7	1	0	0	92	8	42	0	0	0	0	50	12	0	3	7	0	0	22	0	0	0	0	0	0	0	164
6:15 AM	0	86	4	3	0	0	93	9	72	0	0	0	0	81	12	0	2	1	0	0	15	0	0	0	0	0	0	0	189
6:30 AM	0	92	7	5	0	0	104	7	92	1	0	0	0	100	10	0	7	11	0	1	28	0	0	0	1	0	0	1	233
6:45 AM	1	84	7	2	0	0	94	17	81	2	0	0	1	100	15	0	6	5	0	0	26	0	1	0	0	0	0	1	221
Hourly Total	1	346	25	11	0	0	383	41	287	3	0	0	1	331	49	0	18	24	0	1	91	0	1	0	1	0	0	2	807
7:00 AM	0	90	5	2	0	0	97	16	102	1	0	0	0	119	25	0	7	9	0	0	41	2	1	0	0	0	0	3	260
7:15 AM	0	97	5	3	0	0	105	15	116	0	0	0	0	131	22	0	8	8	0	0	38	1	0	0	0	0	0	1	275
7:30 AM	1	124	7	5	0	0	137	21	110	1	1	0	0	133	26	1	13	9	0	0	49	1	1	0	0	0	1	2	321
7:45 AM	1	143	6	5	0	0	155	12	117	3	0	0	0	132	24	0	8	8	0	0	40	2	2	2	0	0	0	6	333
Hourly Total	2	454	23	15	0	0	494	64	445	5	1	0	0	515	97	1	36	34	0	0	168	6	4	2	0	0	1	12	1189
8:00 AM	1	99	11	1	1	0	113	13	91	1	0	1	0	106	28	1	7	9	0	0	45	0	0	0	0	0	0	0	264
8:15 AM	1	94	13	0	1	0	109	11	86	2	0	0	0	99	14	0	10	7	0	0	31	1	0	0	0	0	0	1	240
8:30 AM	3	92	8	2	0	0	105	23	94	3	2	0	0	122	14	0	6	8	0	0	28	6	0	0	1	0	0	7	262
8:45 AM	1	104	9	3	0	0	117	20	110	4	0	0	0	134	23	0	9	9	0	0	41	1	1	0	3	0	0	5	297
Hourly Total	6	389	41	6	2	0	444	67	381	10	2	1	0	461	79	1	32	33	0	0	145	8	1	0	4	0	0	13	1063
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	4	136	8	0	0	0	148	31	155	8	0	0	0	194	55	1	30	13	0	0	99	9	1	3	1	0	0	14	455
3:15 PM	2	120	4	1	0	0	127	32	156	8	0	0	1	196	57	2	20	14	0	0	93	6	1	5	1	0	2	13	429
3:30 PM	3	148	3	0	0	0	154	32	156	2	0	0	0	190	50	2	23	14	0	0	89	3	1	0	3	0	0	7	440
3:45 PM	8	139	4	5	0	0	156	37	179	4	0	1	0	221	50	1	19	12	0	1	82	9	1	1	0	0	0	11	470
Hourly Total	17	543	19	6	0	0	585	132	646	22	0	1	1	801	212	6	92	53	0	1	363	27	4	9	5	0	2	45	1794
4:00 PM	3	153	10	2	0	0	168	36	159	3	1	0	0	199	56	1	24	13	0	0	94	3	1	3	3	0	0	10	471
4:15 PM	5	137	5	2	0	0	149	45	156	7	1	0	0	209	57	0	19	8	0	1	84	8	0	2	1	0	0	11	453
4:30 PM	2	153	6	4	0	1	165	30	188	7	0	0	0	225	66	0	21	10	0	0	97	6	5	4	1	0	1	16	503
4:45 PM	4	147	1	3	1	0	156	47	166	2	0	0	0	215	55	2	18	12	1	0	88	2	1	2	1	0	1	6	465
Hourly Total	14	590	22	11	1	1	638	158	669	19	2	0	0	848	234	3	82	43	1	1	363	19	7	11	6	0	2	43	1892
5:00 PM	6	126	12	3	1	0	148	40	185	1	1	0	0	227	70	0	14	5	0	0	89	10	1	3	0	0	0	14	478
5:15 PM	2	157	3	4	0	0	166	32	188	4	2	0	0	226	73	1	23	11	0	0	108	5	1	4	1	0	0	11	511
5:30 PM	2	128	5	1	0	0	136	37	204	3	0	0	0	244	47	0	19	10	0	0	76	3	0	2	0	0	1	5	461
5:45 PM	3	125	2	1	0	0	131	45	144	1	0	0	1	190	66	1	16	19	0	0	102	3	2	1	1	0	1	7	430
Hourly Total	13	536	22	9	1	0	581	154	721	9	3	0	1	887	256	2	72	45	0	0	375	21	4	10	2	0	2	37	1880
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	53	2858	152	58	4	1	3125	616	3149	68	8	2	3	3843	927	13	332	232	1	3	1505	81	21	32	18	0	7	152	8625
Approach %	1.7	91.5	4.9	1.9	0.1	-	-	16.0	81.9	1.8	0.2	0.1	-	-	61.6	0.9	22.1	15.4	0.1	-	-	53.3	13.8	21.1	11.8	0.0	-	-	-
Total %	0.6	33.1	1.8	0.7	0.0	-	36.2	7.1	36.5	0.8	0.1	0.0	-	44.6	10.7	0.2	3.8	2.7	0.0	-	17.4	0.9	0.2	0.4	0.2	0.0	-	1.8	-
Lights	53	2725	147	58	3	-	2986	602	3015	68	8	1	-	3694	917	13	328	226	1	-	1485	81	21	32	18	0	-	152	8317
% Lights	100.0	95.3	96.7	100.0	75.0	-	95.6	97.7	95.7	100.0	100.0	50.0	-	96.1	98.9	100.0	98.8	97.4	100.0	-	98.7	100.0	100.0	100.0	100.0	-	-	100.0	96.4
Buses	0	37	1	0	0	-	38	2	41	0	0	0	-	43	3	0	0	0	0	-	3	0	0	0	0	0	-	0	84
% Buses	0.0	1.3	0.7	0.0	0.0	-	1.2	0.3	1.3	0.0	0.0	0.0	-	1.1	0.3	0.0	0.0	0.0	0.0	-	0.2	0.0	0.0	0.0	0.0	-	-	0.0	1.0
Trucks	0	96	4	0	1	-	101	12	93	0	0	1	-	106	7	0	4	6	0	-	17	0	0	0	0	0	-	0	224
% Trucks	0.0	3.4	2.6	0.0	25.0	-	3.2	1.9	3.0	0.0	0.0	50.0	-	2.8	0.8	0.0	1.2	2.6	0.0	-	1.1	0.0	0.0	0.0	0.0	-	-	0.0	2.6
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0	-	-	-	-	-	-	33.3	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-	-	-	-	-	-	7	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-	-	-	-	-	66.7	-	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (7:15 AM)

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Giant Plaza Driveway Northbound							Carey Ln Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
7:15 AM	0	97	5	3	0	0	105	15	116	0	0	0	0	131	22	0	8	8	0	0	38	1	0	0	0	0	0	1	275
7:30 AM	1	124	7	5	0	0	137	21	110	1	1	0	0	133	26	1	13	9	0	0	49	1	1	0	0	0	1	2	321
7:45 AM	1	143	6	5	0	0	155	12	117	3	0	0	0	132	24	0	8	8	0	0	40	2	2	2	0	0	0	6	333
8:00 AM	1	99	11	1	1	0	113	13	91	1	0	1	0	106	28	1	7	9	0	0	45	0	0	0	0	0	0	0	264
Total	3	463	29	14	1	0	510	61	434	5	1	1	0	502	100	2	36	34	0	0	172	4	3	2	0	0	1	9	1193
Approach %	0.6	90.8	5.7	2.7	0.2	-	-	12.2	86.5	1.0	0.2	0.2	-	-	58.1	1.2	20.9	19.8	0.0	-	-	44.4	33.3	22.2	0.0	0.0	-	-	-
Total %	0.3	38.8	2.4	1.2	0.1	-	42.7	5.1	36.4	0.4	0.1	0.1	-	42.1	8.4	0.2	3.0	2.8	0.0	-	14.4	0.3	0.3	0.2	0.0	0.0	-	0.8	-
PHF	0.750	0.809	0.659	0.700	0.250	-	0.823	0.726	0.927	0.417	0.250	0.250	-	0.944	0.893	0.500	0.692	0.944	0.000	-	0.878	0.500	0.375	0.250	0.000	0.000	-	0.375	0.896
Lights	3	427	28	14	0	-	472	60	392	5	1	0	-	458	97	2	34	33	0	-	166	4	3	2	0	0	-	9	1105
% Lights	100.0	92.2	96.6	100.0	0.0	-	92.5	98.4	90.3	100.0	100.0	0.0	-	91.2	97.0	100.0	94.4	97.1	-	-	96.5	100.0	100.0	100.0	-	-	-	100.0	92.6
Buses	0	5	0	0	0	-	5	0	8	0	0	0	-	8	0	0	0	0	0	-	0	0	0	0	0	0	-	0	13
% Buses	0.0	1.1	0.0	0.0	0.0	-	1.0	0.0	1.8	0.0	0.0	0.0	-	1.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	-	0.0	1.1
Trucks	0	31	1	0	1	-	33	1	34	0	0	1	-	36	3	0	2	1	0	-	6	0	0	0	0	0	-	0	75
% Trucks	0.0	6.7	3.4	0.0	100.0	-	6.5	1.6	7.8	0.0	0.0	100.0	-	7.2	3.0	0.0	5.6	2.9	-	-	3.5	0.0	0.0	0.0	-	-	-	0.0	6.3
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (4:30 PM)

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Giant Plaza Driveway Northbound							Carey Ln Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
4:30 PM	2	153	6	4	0	1	165	30	188	7	0	0	0	225	66	0	21	10	0	0	97	6	5	4	1	0	1	16	503
4:45 PM	4	147	1	3	1	0	156	47	166	2	0	0	0	215	55	2	18	12	1	0	88	2	1	2	1	0	1	6	465
5:00 PM	6	126	12	3	1	0	148	40	185	1	1	0	0	227	70	0	14	5	0	0	89	10	1	3	0	0	0	14	478
5:15 PM	2	157	3	4	0	0	166	32	188	4	2	0	0	226	73	1	23	11	0	0	108	5	1	4	1	0	0	11	511
Total	14	583	22	14	2	1	635	149	727	14	3	0	0	893	264	3	76	38	1	0	382	23	8	13	3	0	2	47	1957
Approach %	2.2	91.8	3.5	2.2	0.3	-	-	16.7	81.4	1.6	0.3	0.0	-	-	69.1	0.8	19.9	9.9	0.3	-	-	48.9	17.0	27.7	6.4	0.0	-	-	-
Total %	0.7	29.8	1.1	0.7	0.1	-	32.4	7.6	37.1	0.7	0.2	0.0	-	45.6	13.5	0.2	3.9	1.9	0.1	-	19.5	1.2	0.4	0.7	0.2	0.0	-	2.4	-
PHF	0.583	0.928	0.458	0.875	0.500	-	0.956	0.793	0.967	0.500	0.375	0.000	-	0.983	0.904	0.375	0.826	0.792	0.250	-	0.884	0.575	0.400	0.813	0.750	0.000	-	0.734	0.957
Lights	14	569	22	14	2	-	621	149	722	14	3	0	-	888	264	3	76	38	1	-	382	23	8	13	3	0	-	47	1938
% Lights	100.0	97.6	100.0	100.0	100.0	-	97.8	100.0	99.3	100.0	100.0	-	-	99.4	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	100.0	-	-	100.0	99.0
Buses	0	10	0	0	0	-	10	0	1	0	0	0	-	1	0	0	0	0	0	-	0	0	0	0	0	0	-	0	11
% Buses	0.0	1.7	0.0	0.0	0.0	-	1.6	0.0	0.1	0.0	0.0	-	-	0.1	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.6
Trucks	0	4	0	0	0	-	4	0	4	0	0	0	-	4	0	0	0	0	0	-	0	0	0	0	0	0	-	0	8
% Trucks	0.0	0.7	0.0	0.0	0.0	-	0.6	0.0	0.6	0.0	0.0	-	-	0.4	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.4
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	2	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rt. 230 & Giant
Plaza Driveway Sat
Site Code:
Start Date: 03/26/2022
Page No: 1

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Giant Plaza Driveway Northbound							Carey Ln Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Pedestrians	App. Total	Left	Thru	Right	Right on Red	U-Turn	Pedestrians	App. Total	Northbound							Southbound							
															Left	Thru	Right	Right on Red	U-Turn	Pedestrians	App. Total	Left	Thru	Right	Right on Red	U-Turn	Pedestrians	App. Total	
11:00 AM	6	122	15	3	1	1	147	27	118	6	0	0	0	151	54	2	19	10	0	0	85	10	1	5	3	0	0	19	402
11:15 AM	5	124	13	7	0	1	149	36	140	7	1	0	0	184	54	4	16	14	0	0	88	8	3	3	2	0	0	16	437
11:30 AM	6	131	7	0	1	0	145	26	158	5	1	0	0	190	48	1	24	11	1	0	85	10	3	1	1	0	0	15	435
11:45 AM	11	148	9	2	0	0	170	38	162	2	0	0	0	202	49	1	21	14	0	0	85	10	2	3	2	0	0	17	474
Hourly Total	28	525	44	12	2	2	611	127	578	20	2	0	0	727	205	8	80	49	1	0	343	38	9	12	8	0	0	67	1748
12:00 PM	6	129	7	7	0	0	149	40	153	2	1	0	1	196	70	1	20	15	0	0	106	7	1	1	4	0	0	13	464
12:15 PM	3	154	4	3	0	0	164	36	158	2	4	0	1	200	73	1	33	15	0	0	122	9	0	2	1	0	0	12	498
12:30 PM	1	122	7	9	1	0	140	36	171	4	0	0	0	211	59	0	21	18	0	0	98	8	1	1	0	0	0	10	459
12:45 PM	4	135	5	6	0	0	150	41	141	5	2	0	0	189	43	0	21	16	0	0	80	3	0	4	2	0	0	9	428
Hourly Total	14	540	23	25	1	0	603	153	623	13	7	0	2	796	245	2	95	64	0	0	406	27	2	8	7	0	0	44	1849
1:00 PM	6	128	14	2	0	0	150	26	126	4	1	0	0	157	44	2	19	11	0	0	76	5	3	1	2	0	1	11	394
1:15 PM	4	120	12	3	0	0	139	32	154	2	1	0	0	189	63	4	25	16	0	0	108	6	2	3	1	0	1	12	448
1:30 PM	1	118	7	3	0	0	129	30	155	4	1	0	0	190	53	1	19	19	0	0	92	3	2	2	1	0	0	8	419
1:45 PM	2	143	9	6	0	0	160	35	129	8	4	0	0	176	49	0	23	14	0	1	86	7	1	2	1	0	0	11	433
Hourly Total	13	509	42	14	0	0	578	123	564	18	7	0	0	712	209	7	86	60	0	1	362	21	8	8	5	0	2	42	1694
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	55	1574	109	51	3	2	1792	403	1765	51	16	0	2	2235	659	17	261	173	1	1	1111	86	19	28	20	0	2	153	5291
Approach %	3.1	87.8	6.1	2.8	0.2	-	-	18.0	79.0	2.3	0.7	0.0	-	-	59.3	1.5	23.5	15.6	0.1	-									



Coatesville, Pennsylvania, United States 19320
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Count Name: Rt. 230 & Giant
Plaza Driveway Sat
Site Code:
Start Date: 03/26/2022
Page No: 3

[illegible]

Mt. Joy, PA
Route 230 & Market St Square
Driveway
Tuesday, March 29, 2022
Location: 40.138148, -
76.585146

Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rt. 230 & Market
St Square Driveway
Site Code:
Start Date: 03/29/2022
Page No: 1

Turning Movement Data

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Speedway Driveway Northbound							Market St Square Driveway Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
6:00 AM	0	81	2	0	0	0	83	2	44	2	0	0	0	48	1	0	0	4	0	0	5	0	0	0	1	0	0	1	137
6:15 AM	0	75	3	0	0	0	78	1	70	1	0	0	0	72	1	0	1	3	0	0	5	2	0	1	1	0	0	4	159
6:30 AM	2	89	3	0	0	0	94	2	91	1	0	0	0	94	0	0	0	3	0	0	3	1	1	0	0	0	0	2	193
6:45 AM	4	80	1	0	0	0	85	0	84	1	0	0	0	85	2	0	0	3	0	0	5	1	0	1	1	0	0	3	178
Hourly Total	6	325	9	0	0	0	340	5	289	5	0	0	0	299	4	0	1	13	0	0	18	4	1	2	3	0	0	10	667
7:00 AM	5	82	4	0	0	0	91	1	104	3	0	0	0	108	1	0	2	1	0	0	4	2	0	0	3	0	0	5	208
7:15 AM	1	98	1	0	0	0	100	2	117	3	0	0	0	122	2	0	6	0	0	0	8	2	0	0	2	0	0	4	234
7:30 AM	7	106	5	0	0	0	118	1	127	3	0	0	1	131	3	0	1	0	0	0	4	0	0	0	3	0	1	3	256
7:45 AM	12	105	3	0	0	0	120	1	121	3	0	0	0	125	3	0	4	0	0	0	7	2	0	0	0	0	0	2	254
Hourly Total	25	391	13	0	0	0	429	5	469	12	0	0	1	486	9	0	13	1	0	0	23	6	0	0	8	0	1	14	952
8:00 AM	6	83	3	0	0	1	92	2	95	2	1	0	0	100	2	0	0	0	0	0	2	1	0	1	2	0	0	4	198
8:15 AM	7	87	3	0	0	0	97	0	79	10	0	0	0	89	1	1	0	2	0	0	4	4	0	4	6	0	0	14	204
8:30 AM	12	70	3	0	0	0	85	2	100	10	1	0	0	113	0	0	1	0	0	0	1	4	0	2	8	0	0	14	213
8:45 AM	6	81	3	0	0	0	90	5	110	9	1	0	0	125	2	1	1	0	0	0	4	5	1	1	8	0	0	15	234
Hourly Total	31	321	12	0	0	1	364	9	384	31	3	0	0	427	5	2	2	2	0	0	11	14	1	8	24	0	0	47	849
9:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:00 PM	23	116	2	0	0	0	141	0	144	8	1	0	0	153	2	0	0	2	0	0	4	11	1	16	17	0	0	45	343
3:15 PM	18	107	2	1	0	0	128	1	160	10	4	0	0	175	0	0	3	2	0	0	5	7	1	11	17	0	0	36	344
3:30 PM	23	124	3	1	0	0	151	4	156	13	2	0	0	175	1	0	1	1	0	0	3	4	2	5	17	0	0	28	357
3:45 PM	20	102	4	0	0	0	126	2	169	15	1	0	0	187	4	0	0	0	0	0	4	20	0	26	11	0	0	57	374
Hourly Total	84	449	11	2	0	0	546	7	629	46	8	0	0	690	7	0	4	5	0	0	16	42	4	58	62	0	0	166	1418
4:00 PM	22	112	4	0	0	0	138	2	152	18	4	0	0	176	3	0	2	0	0	0	5	14	0	16	11	0	0	41	360
4:15 PM	14	125	1	0	0	0	140	3	164	19	2	0	0	188	2	1	0	1	0	0	4	10	0	14	18	0	0	42	374
4:30 PM	14	121	1	0	0	0	136	1	154	17	0	0	0	172	4	0	0	0	0	0	4	12	2	8	17	0	0	39	351
4:45 PM	14	103	0	0	0	0	117	2	161	16	2	0	0	181	5	0	0	0	0	0	5	12	1	12	18	0	0	43	346
Hourly Total	64	461	6	0	0	0	531	8	631	70	8	0	0	717	14	1	2	1	0	0	18	48	3	50	64	0	0	165	1431
5:00 PM	20	96	0	0	0	0	116	4	189	14	1	0	0	208	1	2	0	0	0	0	3	10	0	13	12	0	1	35	362
5:15 PM	26	110	0	0	0	0	136	3	176	23	2	0	0	204	2	0	0	0	0	0	2	11	1	12	15	0	0	39	381
5:30 PM	23	105	1	0	0	0	129	1	206	10	4	0	0	221	1	0	0	1	0	0	2	8	1	20	8	0	1	37	389
5:45 PM	12	104	2	0	0	0	118	1	136	8	2	0	0	147	1	1	0	2	0	0	4	12	3	7	15	0	0	37	306
Hourly Total	81	415	3	0	0	0	499	9	707	55	9	0	0	780	5	3	0	3	0	0	11	41	5	52	50	0	2	148	1438
6:00 PM	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Grand Total	291	2363	54	2	0	1	2710	43	3111	219	28	0	1	3401	44	6	22	25	0	0	97	155	14	170	211	0	3	550	6758
Approach %	10.7	87.2	2.0	0.1	0.0	-	-	1.3	91.5	6.4	0.8	0.0	-	-	45.4	6.2	22.7	25.8	0.0	-	-	28.2	2.5	30.9	38.4	0.0	-	-	-
Total %	4.3	35.0	0.8	0.0	0.0	-	40.1	0.6	46.0	3.2	0.4	0.0	-	50.3	0.7	0.1	0.3	0.4	0.0	-	1.4	2.3	0.2	2.5	3.1	0.0	-	8.1	-
Lights	290	2253	54	2	0	-	2599	41	2953	217	28	0	-	3239	44	6	22	25	0	-	97	153	14	170	207	0	-	544	6479
% Lights	99.7	95.3	100.0	100.0	-	-	95.9	95.3	94.9	99.1	100.0	-	-	95.2	100.0	100.0	100.0	100.0	-	-	100.0	98.7	100.0	100.0	98.1	-	-	98.9	95.9
Buses	0	36	0	0	0	-	36	0	38	0	0	0	-	38	0	0	0	0	0	-	0	0	0	0	1	0	-	1	75
% Buses	0.0	1.5	0.0	0.0	-	-	1.3	0.0	1.2	0.0	0.0	-	-	1.1	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.5	-	-	0.2	1.1
Trucks	1	74	0	0	0	-	75	2	120	2	0	0	-	124	0	0	0	0	0	-	0	2	0	0	3	0	-	5	204
% Trucks	0.3	3.1	0.0	0.0	-	-	2.8	4.7	3.9	0.9	0.0	-	-	3.6	0.0	0.0	0.0	0.0	-	-	0.0	1.3	0.0	0.0	1.4	-	-	0.9	3.0
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	3	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Speedway Driveway Northbound							Market St Square Driveway Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	
7:00 AM	5	82	4	0	0	0	91	1	104	3	0	0	0	108	1	0	2	1	0	0	4	2	0	0	3	0	0	5	208
7:15 AM	1	98	1	0	0	0	100	2	117	3	0	0	0	122	2	0	6	0	0	0	8	2	0	0	2	0	0	4	234
7:30 AM	7	106	5	0	0	0	118	1	127	3	0	0	1	131	3	0	1	0	0	0	4	0	0	0	3	0	1	3	256
7:45 AM	12	105	3	0	0	0	120	1	121	3	0	0	0	125	3	0	4	0	0	0	7	2	0	0	0	0	0	2	254
Total	25	391	13	0	0	0	429	5	469	12	0	0	1	486	9	0	13	1	0	0	23	6	0	0	8	0	1	14	952
Approach %	5.8	91.1	3.0	0.0	0.0	-	-	1.0	96.5	2.5	0.0	0.0	-	-	39.1	0.0	56.5	4.3	0.0	-	-	42.9	0.0	0.0	57.1	0.0	-	-	-
Total %	2.6	41.1	1.4	0.0	0.0	-	45.1	0.5	49.3	1.3	0.0	0.0	-	51.1	0.9	0.0	1.4	0.1	0.0	-	2.4	0.6	0.0	0.0	0.8	0.0	-	1.5	-
PHF	0.521	0.922	0.650	0.000	0.000	-	0.894	0.625	0.923	1.000	0.000	0.000	-	0.927	0.750	0.000	0.542	0.250	0.000	-	0.719	0.750	0.000	0.000	0.667	0.000	-	0.700	0.930
Lights	25	368	13	0	0	-	406	5	416	11	0	0	-	432	9	0	13	1	0	-	23	6	0	0	8	0	-	14	875
% Lights	100.0	94.1	100.0	-	-	-	94.6	100.0	88.7	91.7	-	-	-	88.9	100.0	-	100.0	100.0	-	-	100.0	100.0	-	-	100.0	-	-	100.0	91.9
Buses	0	5	0	0	0	-	5	0	10	0	0	0	-	10	0	0	0	0	0	-	0	0	0	0	0	0	-	0	15
% Buses	0.0	1.3	0.0	-	-	-	1.2	0.0	2.1	0.0	-	-	-	2.1	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	-	-	0.0	1.6
Trucks	0	18	0	0	0	-	18	0	43	1	0	0	-	44	0	0	0	0	0	-	0	0	0	0	0	0	-	0	62
% Trucks	0.0	4.6	0.0	-	-	-	4.2	0.0	9.2	8.3	-	-	-	9.1	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	-	-	0.0	6.5
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (4:45 PM)

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Speedway Driveway Northbound							Market St Square Driveway Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
4:45 PM	14	103	0	0	0	0	117	2	161	16	2	0	0	181	5	0	0	0	0	0	5	12	1	12	18	0	0	43	346
5:00 PM	20	96	0	0	0	0	116	4	189	14	1	0	0	208	1	2	0	0	0	0	3	10	0	13	12	0	1	35	362
5:15 PM	26	110	0	0	0	0	136	3	176	23	2	0	0	204	2	0	0	0	0	0	2	11	1	12	15	0	0	39	381
5:30 PM	23	105	1	0	0	0	129	1	206	10	4	0	0	221	1	0	0	1	0	0	2	8	1	20	8	0	1	37	389
Total	83	414	1	0	0	0	498	10	732	63	9	0	0	814	9	2	0	1	0	0	12	41	3	57	53	0	2	154	1478
Approach %	16.7	83.1	0.2	0.0	0.0	-	-	1.2	89.9	7.7	1.1	0.0	-	-	75.0	16.7	0.0	8.3	0.0	-	-	26.6	1.9	37.0	34.4	0.0	-	-	-
Total %	5.6	28.0	0.1	0.0	0.0	-	33.7	0.7	49.5	4.3	0.6	0.0	-	55.1	0.6	0.1	0.0	0.1	0.0	-	0.8	2.8	0.2	3.9	3.6	0.0	-	10.4	-
PHF	0.798	0.941	0.250	0.000	0.000	-	0.915	0.625	0.888	0.685	0.563	0.000	-	0.921	0.450	0.250	0.000	0.250	0.000	-	0.600	0.854	0.750	0.713	0.736	0.000	-	0.895	0.950
Lights	83	407	1	0	0	-	491	9	728	63	9	0	-	809	9	2	0	1	0	-	12	41	3	57	53	0	-	154	1466
% Lights	100.0	98.3	100.0	-	-	-	98.6	90.0	99.5	100.0	100.0	-	-	99.4	100.0	100.0	-	100.0	-	-	100.0	100.0	100.0	100.0	-	-	100.0	99.2	
Buses	0	3	0	0	0	-	3	0	2	0	0	0	-	2	0	0	0	0	0	-	0	0	0	0	0	0	-	0	5
% Buses	0.0	0.7	0.0	-	-	-	0.6	0.0	0.3	0.0	0.0	-	-	0.2	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.3	
Trucks	0	4	0	0	0	-	4	1	2	0	0	0	-	3	0	0	0	0	0	-	0	0	0	0	0	0	-	0	7
% Trucks	0.0	1.0	0.0	-	-	-	0.8	10.0	0.3	0.0	0.0	-	-	0.4	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.5	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	2	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

Turning Movement Data

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Speedway Driveway Northbound							Market St Square Driveway Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	
11:00 AM	28	117	3	0	0	0	148	4	127	16	2	0	0	149	2	1	0	1	0	0	4	6	0	11	23	0	0	40	341
11:15 AM	20	118	3	1	0	0	142	3	149	15	2	0	0	169	2	0	1	1	0	0	4	10	3	19	13	0	0	45	360
11:30 AM	29	112	2	0	1	0	144	2	159	25	2	0	0	188	4	0	4	2	0	0	10	8	1	14	21	0	0	44	386
11:45 AM	34	135	3	0	0	0	172	0	158	16	7	0	0	181	4	2	2	0	0	0	8	18	2	19	20	0	0	59	420
Hourly Total	111	482	11	1	1	0	606	9	593	72	13	0	0	687	12	3	7	4	0	0	26	42	6	63	77	0	0	188	1507
12:00 PM	18	123	2	0	0	0	143	2	157	16	0	0	0	175	2	1	1	1	0	0	5	15	13	11	13	1	0	53	376
12:15 PM	32	116	4	1	0	0	153	2	147	11	1	0	0	161	2	0	2	1	0	0	5	10	12	15	18	0	0	55	374
12:30 PM	21	127	1	1	0	0	150	0	165	10	4	0	0	179	1	0	1	2	0	0	4	17	11	14	15	0	1	57	390
12:45 PM	31	108	2	0	0	0	141	0	147	14	4	0	0	165	3	1	1	1	0	0	6	15	6	21	13	0	0	55	367
Hourly Total	102	474	9	2	0	0	587	4	616	51	9	0	0	680	8	2	5	5	0	0	20	57	42	61	59	1	1	220	1507
1:00 PM	26	103	0	0	0	0	129	2	127	18	0	0	0	147	0	1	1	0	0	0	2	12	10	9	20	0	0	51	329
1:15 PM	22	118	2	0	0	0	142	2	144	14	1	0	0	161	2	0	0	0	0	0	2	10	8	19	17	0	0	54	359
1:30 PM	20	106	2	0	0	0	128	2	142	11	1	0	0	156	4	1	0	1	0	0	6	12	9	18	20	0	0	59	349
1:45 PM	30	114	2	0	0	0	146	1	142	14	1	0	0	158	5	0	0	2	0	0	7	7	15	6	21	0	0	49	360
Hourly Total	98	441	6	0	0	0	545	7	555	57	3	0	0	622	11	2	1	3	0	0	17	41	42	52	78	0	0	213	1397
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	311	1397	26	3	1	0	1738	20	1764	180	25	0	0	1989	31	7	13	12	0	0	63	140	90	176	214	1	1	621	4411
Approach %	17.9	80.4	1.5	0.2	0.1	-	-	1.0	88.7	9.0	1.3	0.0	-	-	49.2	11.1	20.6	19.0	0.0	-	-	22.5	14.5	28.3	34.5	0.2	-	-	-
Total %	7.1	31.7	0.6	0.1	0.0	-	39.4	0.5	40.0	4.1	0.6	0.0	-	45.1	0.7	0.2	0.3	0.3	0.0	-	1.4	3.2	2.0	4.0	4.9	0.0	-	14.1	-
Lights	311	1385	26	3	1	-	1726	20	1751	179	25	0	-	1975	31	7	13	12	0	-	63	139	90	176	214	1	-	620	4384
% Lights	100.0	99.1	100.0	100.0	100.0	-	99.3	100.0	99.3	99.4	100.0	-	-	99.3	100.0	100.0	100.0	100.0	-	-	100.0	99.3	100.0	100.0	100.0	100.0	-	99.8	99.4
Buses	0	1	0	0	0	-	1	0	3	0	0	0	-	3	0	0	0	0	0	-	0	0	0	0	0	0	-	0	4
% Buses	0.0	0.1	0.0	0.0	0.0	-	0.1	0.0	0.2	0.0	0.0	-	-	0.2	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.1
Trucks	0	11	0	0	0	-	11	0	10	1	0	0	-	11	0	0	0	0	0	-	0	1	0	0	0	0	-	1	23
% Trucks	0.0	0.8	0.0	0.0	0.0	-	0.6	0.0	0.6	0.6	0.0	-	-	0.6	0.0	0.0	0.0	0.0	-	-	0.0	0.7	0.0	0.0	0.0	0.0	-	0.2	0.5
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (11:45 AM)

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Speedway Driveway Northbound							Market St Square Driveway Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
11:45 AM	34	135	3	0	0	0	172	0	158	16	7	0	0	181	4	2	2	0	0	0	8	18	2	19	20	0	0	59	420
12:00 PM	18	123	2	0	0	0	143	2	157	16	0	0	0	175	2	1	1	1	0	0	5	15	13	11	13	1	0	53	376
12:15 PM	32	116	4	1	0	0	153	2	147	11	1	0	0	161	2	0	2	1	0	0	5	10	12	15	18	0	0	55	374
12:30 PM	21	127	1	1	0	0	150	0	165	10	4	0	0	179	1	0	1	2	0	0	4	17	11	14	15	0	1	57	390
Total	105	501	10	2	0	0	618	4	627	53	12	0	0	696	9	3	6	4	0	0	22	60	38	59	66	1	1	224	1560
Approach %	17.0	81.1	1.6	0.3	0.0	-	-	0.6	90.1	7.6	1.7	0.0	-	-	40.9	13.6	27.3	18.2	0.0	-	-	26.8	17.0	26.3	29.5	0.4	-	-	-
Total %	6.7	32.1	0.6	0.1	0.0	-	39.6	0.3	40.2	3.4	0.8	0.0	-	44.6	0.6	0.2	0.4	0.3	0.0	-	1.4	3.8	2.4	3.8	4.2	0.1	-	14.4	-
PHF	0.772	0.928	0.625	0.500	0.000	-	0.898	0.500	0.950	0.828	0.429	0.000	-	0.961	0.563	0.375	0.750	0.500	0.000	-	0.688	0.833	0.731	0.776	0.825	0.250	-	0.949	0.929
Lights	105	495	10	2	0	-	612	4	626	53	12	0	-	695	9	3	6	4	0	-	22	60	38	59	66	1	-	224	1553
% Lights	100.0	98.8	100.0	100.0	-	-	99.0	100.0	99.8	100.0	100.0	-	-	99.9	100.0	100.0	100.0	100.0	-	-	100.0	100.0	100.0	100.0	100.0	-	100.0	99.6	
Buses	0	1	0	0	0	-	1	0	0	0	0	0	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-	0	1
% Buses	0.0	0.2	0.0	0.0	-	-	0.2	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.1	
Trucks	0	5	0	0	0	-	5	0	1	0	0	0	-	1	0	0	0	0	0	-	0	0	0	0	0	0	-	0	6
% Trucks	0.0	1.0	0.0	0.0	-	-	0.8	0.0	0.2	0.0	0.0	-	-	0.1	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.4
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

Mt. Joy, PA
Route 230 & Scheaffer Rd
Tuesday, March 29, 2022
Location: 40.137499, -
76.583113

Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rt. 230 & Scheaffer Rd
Site Code:
Start Date: 03/29/2022
Page No: 1

Turning Movement Data

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Scheaffer Rd Northbound							Scheaffer Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
6:00 AM	2	85	0	0	0	0	87	2	40	2	0	0	0	44	2	1	2	3	0	0	8	0	2	3	3	0	0	8	147
6:15 AM	2	77	0	0	0	0	79	0	68	4	0	0	0	72	3	5	4	5	0	0	17	8	0	1	2	0	0	11	179
6:30 AM	2	87	0	0	0	0	89	2	84	5	0	0	0	91	4	3	3	3	0	0	13	7	1	2	3	0	0	13	206
6:45 AM	7	81	1	0	0	0	89	6	69	0	2	0	0	77	7	1	1	2	0	0	11	4	11	6	4	0	0	25	202
Hourly Total	13	330	1	0	0	0	344	10	261	11	2	0	0	284	16	10	10	13	0	0	49	19	14	12	12	0	0	57	734
7:00 AM	8	76	0	0	0	0	84	3	88	3	1	0	0	95	9	10	3	4	0	0	26	4	1	1	7	0	0	13	218
7:15 AM	10	97	0	1	0	0	108	2	83	7	0	0	0	92	25	8	3	5	0	0	41	1	4	7	3	0	0	15	256
7:30 AM	5	96	0	0	1	0	102	0	105	3	0	0	0	108	15	1	6	6	0	1	28	8	1	4	5	0	0	18	256
7:45 AM	8	99	0	0	0	0	107	5	112	6	0	0	0	123	9	6	3	5	0	0	23	4	6	3	2	0	0	15	268
Hourly Total	31	368	0	1	1	0	401	10	388	19	1	0	0	418	58	25	15	20	0	1	118	17	12	15	17	0	0	61	998
8:00 AM	8	74	0	0	0	0	82	1	79	6	1	0	0	87	14	5	3	2	0	1	24	4	5	2	2	0	0	13	206
8:15 AM	8	78	1	0	0	0	87	4	69	4	0	0	0	77	11	8	5	2	0	0	26	4	8	7	4	0	0	23	213
8:30 AM	5	73	2	0	0	0	80	4	86	3	0	0	0	93	12	8	1	2	0	0	23	23	9	12	2	0	0	46	242
8:45 AM	4	73	2	0	0	0	79	5	99	3	2	1	0	110	15	7	2	0	0	0	24	13	5	10	2	0	0	30	243
Hourly Total	25	298	5	0	0	0	328	14	333	16	3	1	0	367	52	28	11	6	0	1	97	44	27	31	10	0	0	112	904
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	13	104	3	2	0	0	122	8	119	7	1	0	0	135	22	12	2	4	0	0	40	2	8	10	6	0	0	26	323
3:15 PM	12	95	5	0	0	0	112	7	138	4	0	0	0	149	18	3	2	1	0	0	24	4	5	9	6	0	0	24	309
3:30 PM	16	110	5	2	0	0	133	13	122	3	0	0	0	138	33	6	4	3	0	0	46	4	9	9	8	0	0	30	347
3:45 PM	14	94	7	0	0	0	115	7	137	5	0	0	0	149	25	6	7	3	0	0	41	6	10	21	5	0	0	42	347
Hourly Total	55	403	20	4	0	0	482	35	516	19	1	0	0	571	98	27	15	11	0	0	151	16	32	49	25	0	0	122	1326
4:00 PM	9	107	2	1	0	0	119	7	137	9	1	0	0	154	22	3	12	2	1	0	40	11	7	11	6	0	0	35	348
4:15 PM	8	121	4	2	0	0	135	9	155	10	2	0	0	176	18	7	2	2	0	0	29	7	4	10	4	0	0	25	365
4:30 PM	13	113	7	0	0	1	133	3	142	6	0	0	0	151	11	5	3	0	0	0	19	10	7	10	9	0	0	36	339
4:45 PM	8	106	2	0	0	0	116	16	147	3	0	0	0	166	22	10	0	2	0	0	34	9	5	11	3	0	0	28	344
Hourly Total	38	447	15	3	0	1	503	35	581	28	3	0	0	647	73	25	17	6	1	0	122	37	23	42	22	0	0	124	1396
5:00 PM	10	83	6	0	0	0	99	7	161	8	1	0	0	177	19	6	5	6	0	0	36	11	6	18	7	0	1	42	354
5:15 PM	18	94	7	0	1	0	120	8	149	4	0	0	0	161	26	4	5	7	0	0	42	3	13	17	7	0	0	40	363
5:30 PM	10	95	5	1	0	1	111	9	175	3	1	0	0	188	23	12	2	2	0	0	39	3	17	16	3	0	0	39	377
5:45 PM	11	94	5	1	1	0	112	7	108	6	0	0	0	121	19	3	3	2	0	0	27	6	11	8	10	0	0	35	295
Hourly Total	49	366	23	2	2	1	442	31	593	21	2	0	0	647	87	25	15	17	0	0	144	23	47	59	27	0	1	156	1389
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	211	2212	64	10	3	2	2500	135	2672	114	12	1	0	2934	384	140	83	73	1	2	681	156	155	208	113	0	1	632	6747
Approach %	8.4	88.5	2.6	0.4	0.1	-	-	4.6	91.1	3.9	0.4	0.0	-	-	56.4	20.6	12.2	10.7	0.1	-	-	24.7	24.5	32.9	17.9	0.0	-	-	-
Total %	3.1	32.8	0.9	0.1	0.0	-	37.1	2.0	39.6	1.7	0.2	0.0	-	43.5	5.7	2.1	1.2	1.1	0.0	-	10.1	2.3	2.3	3.1	1.7	0.0	-	9.4	-
Lights	206	2110	64	9	3	-	2392	125	2565	103	11	1	-	2805	346	134	74	70	1	-	625	124	144	203	113	0	-	584	6406
% Lights	97.6	95.4	100.0	90.0	100.0	-	95.7	92.6	96.0	90.4	91.7	100.0	-	95.6	90.1	95.7	89.2	95.9	100.0	-	91.8	79.5	92.9	97.6	100.0	-	-	92.4	94.9
Buses	0	39	0	0	0	-	39	4	31	5	1	0	-	41	3	2	5	1	0	-	11	28	5	1	0	0	-	34	125
% Buses	0.0	1.8	0.0	0.0	0.0	-	1.6	3.0	1.2	4.4	8.3	0.0	-	1.4	0.8	1.4	6.0	1.4	0.0	-	1.6	17.9	3.2	0.5	0.0	-	-	5.4	1.9
Trucks	5	63	0	1	0	-	69	6	76	6	0	0	-	88	35	4	4	2	0	-	45	4	6	4	0	0	-	14	216
% Trucks	2.4	2.8	0.0	10.0	0.0	-	2.8	4.4	2.8	5.3	0.0	0.0	-	3.0	9.1	2.9	4.8	2.7	0.0	-	6.6	2.6	3.9	1.9	0.0	-	-	2.2	3.2
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	2	-	-	-	-	-	-	0	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-

Turning Movement Peak Hour Data (4:45 PM)

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Scheaffer Rd Northbound							Scheaffer Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	
4:45 PM	8	106	2	0	0	0	116	16	147	3	0	0	0	166	22	10	0	2	0	0	34	9	5	11	3	0	0	28	344
5:00 PM	10	83	6	0	0	0	99	7	161	8	1	0	0	177	19	6	5	6	0	0	36	11	6	18	7	0	1	42	354
5:15 PM	18	94	7	0	1	0	120	8	149	4	0	0	0	161	26	4	5	7	0	0	42	3	13	17	7	0	0	40	363
5:30 PM	10	95	5	1	0	1	111	9	175	3	1	0	0	188	23	12	2	2	0	0	39	3	17	16	3	0	0	39	377
Total	46	378	20	1	1	1	446	40	632	18	2	0	0	692	90	32	12	17	0	0	151	26	41	62	20	0	1	149	1438
Approach %	10.3	84.8	4.5	0.2	0.2	-	-	5.8	91.3	2.6	0.3	0.0	-	-	59.6	21.2	7.9	11.3	0.0	-	-	17.4	27.5	41.6	13.4	0.0	-	-	-
Total %	3.2	26.3	1.4	0.1	0.1	-	31.0	2.8	43.9	1.3	0.1	0.0	-	48.1	6.3	2.2	0.8	1.2	0.0	-	10.5	1.8	2.9	4.3	1.4	0.0	-	10.4	-
PHF	0.639	0.892	0.714	0.250	0.250	-	0.929	0.625	0.903	0.563	0.500	0.000	-	0.920	0.865	0.667	0.600	0.607	0.000	-	0.899	0.591	0.603	0.861	0.714	0.000	-	0.887	0.954
Lights	45	368	20	1	1	-	435	39	627	18	2	0	-	686	90	31	12	16	0	-	149	26	40	61	20	0	-	147	1417
% Lights	97.8	97.4	100.0	100.0	100.0	-	97.5	97.5	99.2	100.0	100.0	-	-	99.1	100.0	96.9	100.0	94.1	-	-	98.7	100.0	97.6	98.4	100.0	-	-	98.7	98.5
Buses	0	3	0	0	0	-	3	1	1	0	0	0	-	2	0	0	0	1	0	-	1	0	0	0	0	0	-	0	6
% Buses	0.0	0.8	0.0	0.0	0.0	-	0.7	2.5	0.2	0.0	0.0	-	-	0.3	0.0	0.0	0.0	5.9	-	-	0.7	0.0	0.0	0.0	0.0	-	-	0.0	0.4
Trucks	1	7	0	0	0	-	8	0	4	0	0	0	-	4	0	1	0	0	0	-	1	0	1	1	0	0	-	2	15
% Trucks	2.2	1.9	0.0	0.0	0.0	-	1.8	0.0	0.6	0.0	0.0	-	-	0.6	0.0	3.1	0.0	0.0	-	-	0.7	0.0	2.4	1.6	0.0	-	-	1.3	1.0
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
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Page No: 1

Start Time	Rt. 230 Eastbound							Rt. 230 Westbound							Sheaffer Rd Northbound							Sheaffer Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
11:00 AM	8	106	2	0	0	0	116	6	110	2	0	0	0	118	21	4	0	1	0	0	26	5	4	8	5	0	0	22	282
11:15 AM	7	110	5	2	0	0	124	5	113	3	0	0	0	121	22	2	3	5	0	0	32	2	5	15	7	0	0	29	306
11:30 AM	13	102	2	0	0	0	117	7	136	6	0	0	0	149	16	3	0	3	0	0	22	6	5	14	8	0	0	33	321
11:45 AM	17	129	4	2	0	0	152	6	131	2	1	0	0	140	16	6	1	2	0	0	25	2	5	4	18	0	0	29	346
Hourly Total	45	447	13	4	0	0	509	24	490	13	1	0	0	528	75	15	4	11	0	0	105	15	19	41	38	0	0	113	1255
12:00 PM	11	120	3	2	0	0	136	5	125	1	0	0	0	131	21	10	2	4	0	0	37	2	5	6	10	0	0	23	327
12:15 PM	11	109	6	0	0	0	126	7	129	4	0	0	0	140	11	2	3	2	0	0	18	5	6	10	5	0	0	26	310
12:30 PM	14	121	5	1	0	0	141	2	127	5	0	0	0	134	17	5	0	3	0	0	25	6	4	8	12	0	0	30	330
12:45 PM	12	96	6	3	0	0	117	6	119	1	1	0	0	127	15	4	2	2	0	0	23	2	6	9	10	0	0	27	294
Hourly Total	48	446	20	6	0	0	520	20	500	11	1	0	0	532	64	21	7	11	0	0	103	15	21	33	37	0	0	106	1261
1:00 PM	9	105	2	0	0	0	116	5	109	4	1	0	0	119	14	6	3	0	0	0	23	6	3	6	9	0	0	24	282
1:15 PM	12	111	2	1	0	0	126	2	117	3	1	0	0	123	12	4	1	2	0	0	19	2	3	11	12	0	0	28	296
1:30 PM	9	102	4	0	0	0	115	1	122	1	0	0	0	124	18	5	2	3	0	0	28	3	1	5	12	0	0	21	288
1:45 PM	7	96	3	1	0	0	107	2	111	6	0	0	0	119	19	1	1	7	0	0	28	8	3	8	10	0	0	29	283
Hourly Total	37	414	11	2	0	0	464	10	459	14	2	0	0	485	63	16	7	12	0	0	98	19	10	30	43	0	0	102	1149
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	130	1307	44	12	0	0	1493	54	1449	38	4	0	0	1545	202	52	18	34	0	0	306	49	50	104	118	0	0	321	3665
Approach %	8.7	87.5	2.9	0.8	0.0	-	-	3.5	93.8	2.5	0.3	0.0	-	-	66.0	17.0	5.9	11.1	0.0	-	-	15.3	15.6	32.4	36.8	0.0	-	-	-
Total %																													

Mt. Joy, PA
Route 230 & Sheaffer Rd
Saturday, March 26, 2022
Location: 40.137499, -
76.583113

Coatesville, Pennsylvania, United States 19320
610-466-1469
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Count Name: Rt. 230 & Sheaffer
Rd Sat
Site Code:
Start Date: 03/26/2022
Page No: 3

Turning Movement Peak Hour Data (11:45 AM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rte 230 &
Cloverleaf Rd (3/29)
Site Code:
Start Date: 03/29/2022
Page No: 1

Start Time	Rte 230							Rte 230							Cloverleaf Rd							Cloverleaf Rd							Int. Total
	Eastbound							Westbound							Northbound							Southbound							
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
6:00 AM	50	28	8	4	0	0	90	1	32	7	13	0	0	53	10	56	0	0	0	0	66	4	20	16	3	0	0	43	252
6:15 AM	54	29	8	2	0	0	93	1	22	20	11	0	0	54	17	73	1	0	0	0	91	11	28	35	3	0	0	77	315
6:30 AM	63	32	10	3	0	0	108	2	39	19	14	0	0	74	23	81	1	0	0	0	105	20	43	41	8	0	0	112	399
6:45 AM	61	28	15	1	0	0	105	2	28	24	23	0	0	77	16	100	3	0	0	0	119	24	58	31	5	0	0	118	419
Hourly Total	228	117	41	10	0	0	396	6	121	70	61	0	0	258	66	310	5	0	0	0	381	59	149	123	19	0	0	350	1385
7:00 AM	62	39	7	4	0	1	112	0	35	17	30	0	0	82	25	93	3	0	0	1	121	24	34	39	6	0	0	103	418
7:15 AM	65	40	2	4	0	0	111	0	43	28	21	0	0	92	14	100	0	0	0	0	114	25	53	26	11	0	0	115	432
7:30 AM	75	38	4	2	0	0	119	1	41	17	37	0	0	96	14	90	5	1	0	0	110	18	60	48	2	0	0	128	453
7:45 AM	57	56	6	2	0	0	121	2	47	13	31	0	0	93	16	69	1	1	0	0	87	34	68	62	9	0	0	173	474
Hourly Total	259	173	19	12	0	1	463	3	166	75	119	0	0	363	69	352	9	2	0	1	432	101	215	175	28	0	0	519	1777
8:00 AM	48	32	7	3	0	0	90	0	41	11	26	0	0	78	16	73	2	0	0	0	91	22	54	31	7	0	0	114	373
8:15 AM	53	35	3	2	0	0	93	5	37	11	21	0	0	74	19	92	4	0	0	0	115	32	53	27	12	0	0	124	406
8:30 AM	46	44	2	3	0	2	95	0	38	3	25	0	0	66	21	78	2	0	0	1	101	30	45	43	10	0	0	128	390
8:45 AM	37	47	0	3	0	1	87	3	40	4	17	0	0	64	21	61	5	0	0	0	87	24	41	32	12	0	0	109	347
Hourly Total	184	158	12	11	0	3	365	8	156	29	89	0	0	282	77	304	13	0	0	1	394	108	193	133	41	0	0	475	1516
9:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:00 PM	55	57	5	3	0	0	120	3	60	18	14	0	0	95	21	64													



Coatesville, Pennsylvania, United States 19320
610-466-1469
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Turning Movement Peak Hour Data (7:00 AM)

Start Time	Rte 230 Eastbound							Rte 230 Westbound							Cloverleaf Rd Northbound							Cloverleaf Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped	App. Total	
7:00 AM	62	39	7	4	0	1	112	0	35	17	30	0	0	82	25	93	3	0	0	1	121	24	34	39	6	0	0	103	418
7:15 AM	65	40	2	4	0	0	111	0	43	28	21	0	0	92	14	100	0	0	0	0	114	25	53	26	11	0	0	115	432
7:30 AM	75	38	4	2	0	0	119	1	41	17	37	0	0	96	14	90	5	1	0	0	110	18	60	48	2	0	0	128	453
7:45 AM	57	56	6	2	0	0	121	2	47	13	31	0	0	93	16	69	1	1	0	0	87	34	68	62	9	0	0	173	474
Total	259	173	19	12	0	1	463	3	166	75	119	0	0	363	69	352	9	2	0	1	432	101	215	175	28	0	0	519	1777
Approach %	55.9	37.4	4.1	2.6	0.0	-	-	0.8	45.7	20.7	32.8	0.0	-	-	16.0	81.5	2.1	0.5	0.0	-	-	19.5	41.4	33.7	5.4	0.0	-	-	-
Total %	14.6	9.7	1.1	0.7	0.0	-	26.1	0.2	9.3	4.2	6.7	0.0	-	20.4	3.9	19.8	0.5	0.1	0.0	-	24.3	5.7	12.1	9.8	1.6	0.0	-	29.2	-
PHF	0.863	0.772	0.679	0.750	0.000	-	0.957	0.375	0.883	0.670	0.804	0.000	-	0.945	0.690	0.880	0.450	0.500	0.000	-	0.893	0.743	0.790	0.706	0.636	0.000	-	0.750	0.937
Lights	239	158	10	12	0	-	419	2	157	71	115	0	-	345	65	306	7	2	0	-	380	93	187	162	24	0	-	466	1610
% Lights	92.3	91.3	52.6	100.0	-	-	90.5	66.7	94.6	94.7	96.6	-	-	95.0	94.2	86.9	77.8	100.0	-	-	88.0	92.1	87.0	92.6	85.7	-	-	89.8	90.6
Buses	2	4	7	0	0	-	13	0	2	1	0	0	-	3	2	2	0	0	0	-	4	0	0	2	0	0	-	2	22
% Buses	0.8	2.3	36.8	0.0	-	-	2.8	0.0	1.2	1.3	0.0	-	-	0.8	2.9	0.6	0.0	0.0	-	-	0.9	0.0	0.0	1.1	0.0	-	-	0.4	1.2
Trucks	18	11	2	0	0	-	31	1	7	3	4	0	-	15	2	44	2	0	0	-	48	8	28	11	4	0	-	51	145
% Trucks	6.9	6.4	10.5	0.0	-	-	6.7	33.3	4.2	4.0	3.4	-	-	4.1	2.9	12.5	22.2	0.0	-	-	11.1	7.9	13.0	6.3	14.3	-	-	9.8	8.2
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	



Coatesville, Pennsylvania, United States 19320
610-466-1469
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Turning Movement Peak Hour Data (4:15 PM)

[illegible]



Coatesville, Pennsylvania, United States 19320
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Turning Movement Data

Start Time	Rte 230 Eastbound							Rte 230 Westbound							Cloverleaf Rd Northbound							Cloverleaf Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
11:00 AM	42	50	6	4	0	0	102	4	58	15	21	0	0	98	14	44	4	1	0	0	63	42	44	34	4	0	0	124	387
11:15 AM	60	73	8	3	0	0	144	5	84	17	19	0	0	125	9	32	4	3	0	0	48	27	40	24	20	0	0	111	428
11:30 AM	49	43	4	4	0	0	100	6	67	13	23	0	0	109	19	36	10	0	0	0	65	30	34	30	33	0	0	127	401
11:45 AM	49	75	16	3	0	0	143	8	86	14	14	0	0	122	21	45	4	0	0	0	70	25	42	16	22	0	0	105	440
Hourly Total	200	241	34	14	0	0	489	23	295	59	77	0	0	454	63	157	22	4	0	0	246	124	160	104	79	0	0	467	1656
12:00 PM	52	68	9	2	0	0	131	6	78	17	20	0	0	121	12	42	0	0	0	0	54	28	35	22	14	0	0	99	405
12:15 PM	48	69	13	1	0	0	131	6	73	18	13	0	0	110	18	42	3	1	0	0	64	37	43	34	19	0	0	133	438
12:30 PM	50	72	10	0	0	0	132	6	68	19	18	0	0	111	18	32	4	2	0	0	56	34	50	25	25	0	0	134	433
12:45 PM	43	65	3	0	0	0	111	3	61	11	19	0	0	94	18	40	2	0	0	0	60	33	42	26	18	0	0	119	384
Hourly Total	193	274	35	3	0	0	505	21	280	65	70	0	0	436	66	156	9	3	0	0	234	132	170	107	76	0	0	485	1660
1:00 PM	46	60	8	3	0	0	117	1	68	19	11	0	0	99	15	44	0	0	0	0	59	31	38	34	15	0	0	118	393
1:15 PM	40	72	6	4	0	0	122	8	68	17	19	0	0	112	16	44	4	0	0	0	64	32	55	34	19	0	0	140	438
1:30 PM	54	46	7	2	0	0	109	0	60	19	15	0	0	94	17	63	6	2	0	0	88	30	44	33	12	0	0	119	410
1:45 PM	42	69	3	4	0	0	118	4	68	10	13	0	0	95	12	36	6	2	0	0	56	23	38	25	19	0	0	105	374
Hourly Total	182	247	24	13	0	0	466	13	264	65	58	0	0	400	60	187	16	4	0	0	267	116	175	126	65	0	0	482	1615
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	2
Grand Total	575	762	93	30	0	0	1460	57	839	189	205	0	0	1290	189	500	47	11	0	0	747	373	505	337	221	0	0	1436	4933
Approach %	39.4	52.2	6.4	2.1	0.0	-	-	4.4	65.0	14.7	15.9	0.0	-	-	25.3	66.9	6.3	1.5	0.0	-	-	26.0	35.2	23.5	15.4	0.0	-	-	-
Total %	11.7	15.4	1.9	0.6	0.0	-	29.6	1.2	17.0	3.8	4.2	0.0	-	26.2	3.8	10.1	1.0	0.2	0.0	-	15.1	7.6	10.2	6.8	4.5	0.0	-	29.1	-
Lights	566	761	93	30	0	-	1450	55	835	187	201	0	-	1278	189	482	46	11	0	-	728	365	487	333	220	0	-	1405	4861
% Lights	98.4	99.9	100.0	100.0	-	-	99.3	96.5	99.5	98.9	98.0	-	-	99.1	100.0	96.4	97.9	100.0	-	-	97.5	97.9	96.4	98.8	99.5	-	-	97.8	98.5
Buses	0	0	0	0	0	-	0	0	1	0	0	0	-	1	0	0	0	0	0	-	0	0	1	1	0	0	-	2	3
% Buses	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.1	0.0	0.0	-	-	0.1	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.2	0.3	0.0	-	-	0.1	0.1
Trucks	9	1	0	0	0	-	10	2	3	2	4	0	-	11	0	18	1	0	0	-	19	8	17	3	1	0	-	29	69
% Trucks	1.6	0.1	0.0	0.0	-	-	0.7	3.5	0.4	1.1	2.0	-	-	0.9	0.0	3.6	2.1	0.0	-	-	2.5	2.1	3.4	0.9	0.5	-	-	2.0	1.4
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (11:45 AM)

[illegible]

Turning Movement Data

Start Time	Rte 230 Eastbound					Rte 230 Westbound					Ridge Run Rd Southbound					Int. Total
	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	
6:00 AM	0	31	0	0	31	54	2	0	0	56	0	0	0	0	0	87
6:15 AM	0	38	0	0	38	57	1	0	0	58	5	0	0	0	5	101
6:30 AM	0	42	0	0	42	71	3	0	0	74	5	0	0	0	5	121
6:45 AM	0	47	0	0	47	71	5	0	0	76	4	0	0	0	4	127
Hourly Total	0	158	0	0	158	253	11	0	0	264	14	0	0	0	14	436
7:00 AM	0	60	0	0	60	84	2	0	0	86	2	0	0	0	2	148
7:15 AM	0	62	0	0	62	88	4	0	0	92	6	0	0	0	6	160
7:30 AM	3	54	0	0	57	109	7	0	0	116	12	0	0	0	12	185
7:45 AM	0	82	0	0	82	83	10	0	0	93	5	3	0	0	8	183
Hourly Total	3	258	0	0	261	364	23	0	0	387	25	3	0	0	28	676
8:00 AM	0	54	0	0	54	73	1	0	0	74	3	1	0	0	4	132
8:15 AM	1	60	0	0	61	75	2	0	0	77	6	0	0	0	6	144
8:30 AM	1	73	0	0	74	56	2	0	0	58	5	1	0	0	6	138
8:45 AM	2	67	0	0	69	68	8	0	0	76	8	1	0	1	9	154
Hourly Total	4	254	0	0	258	272	13	0	0	285	22	3	0	1	25	568
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	1	100	0	0	101	81	11	0	0	92	8	1	0	0	9	202
3:15 PM	1	77	0	0	78	110	5	0	0	115	4	0	0	0	4	197
3:30 PM	1	102	0	0	103	88	8	0	0	96	12	0	0	0	12	211
3:45 PM	1	103	0	0	104	105	7	0	0	112	10	0	0	0	10	226
Hourly Total	4	382	0	0	386	384	31	0	0	415	34	1	0	0	35	836
4:00 PM	2	104	0	0	106	104	6	0	0	110	12	0	0	0	12	228
4:15 PM	2	127	0	0	129	97	13	0	0	110	6	0	0	0	6	245
4:30 PM	1	115	0	0	116	90	12	0	0	102	9	1	0	0	10	228
4:45 PM	0	109	0	0	109	93	15	0	0	108	13	0	0	0	13	230
Hourly Total	5	455	0	0	460	384	46	0	0	430	40	1	0	0	41	931
5:00 PM	3	107	0	0	110	104	15	0	0	119	9	0	0	0	9	238
5:15 PM	0	113	0	0	113	96	13	0	0	109	9	1	0	0	10	232
5:30 PM	1	101	0	0	102	106	7	0	0	113	10	3	0	0	13	228
5:45 PM	2	91	0	0	93	73	3	0	0	76	9	0	0	0	9	178
Hourly Total	6	412	0	0	418	379	38	0	0	417	37	4	0	0	41	876
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	22	1919	0	0	1941	2036	162	0	0	2198	172	12	0	1	184	4323
Approach %	1.1	98.9	0.0	-	-	92.6	7.4	0.0	-	-	93.5	6.5	0.0	-	-	-
Total %	0.5	44.4	0.0	-	44.9	47.1	3.7	0.0	-	50.8	4.0	0.3	0.0	-	4.3	-
Lights	18	1838	0	-	1856	1958	156	0	-	2114	166	8	0	-	174	4144
% Lights	81.8	95.8	-	-	95.6	96.2	96.3	-	-	96.2	96.5	66.7	-	-	94.6	95.9
Buses	0	14	0	-	14	15	2	0	-	17	1	0	0	-	1	32
% Buses	0.0	0.7	-	-	0.7	0.7	1.2	-	-	0.8	0.6	0.0	-	-	0.5	0.7
Trucks	4	67	0	-	71	63	4	0	-	67	5	4	0	-	9	147
% Trucks	18.2	3.5	-	-	3.7	3.1	2.5	-	-	3.0	2.9	33.3	-	-	4.9	3.4
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rte 230 & Ridge
Run Rd (3/29)
Site Code:
Start Date: 03/29/2022
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Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Rte 230 & Ridge
Run Rd (3/29)
Site Code:
Start Date: 03/29/2022
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Coatesville, Pennsylvania, United States 19320
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Start Time	Rte 230 Eastbound					Rte 230 Westbound					Ridge Run Rd Southbound					Int. Total
	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	
11:00 AM	0	88	0	0	88	82	6	0	0	88	6	2	0	0	8	184
11:15 AM	2	104	0	0	106	108	7	0	0	115	4	1	0	0	5	226
11:30 AM	0	85	0	0	85	90	8	0	0	98	6	0	0	0	6	189
11:45 AM	2	92	0	0	94	116	7	0	0	123	6	0	0	0	6	223
Hourly Total	4	369	0	0	373	396	28	0	0	424	22	3	0	0	25	822
12:00 PM	1	83	0	0	84	99	6	0	0	105	7	3	0	0	10	199
12:15 PM	0	102	0	0	102	104	6	0	0	110	8	0	0	0	8	220
12:30 PM	0	105	0	0	105	97	14	0	0	111	10	0	0	0	10	226
12:45 PM	2	82	0	0	84	98	9	0	0	107	4	0	0	0	4	195
Hourly Total	3	372	0	0	375	398	35	0	0	433	29	3	0	0	32	840
1:00 PM	0	82	0	0	82	86	6	0	0	92	4	0	0	0	4	178
1:15 PM	0	102	0	0	102	105	6	0	0	111	7	0	0	0	7	220
1:30 PM	0	83	0	0	83	97	4	0	0	101	4	0	0	0	4	188
1:45 PM	1	96	0	0	97	89	4	0	0	93	8	2	0	0	10	200
Hourly Total	1	363	0	0	364	377	20	0	0	397	23	2	0	0	25	786
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	8	1104	0	0	1112	1171	83	0	0	1254	74	8	0	0	82	2448
Approach %	0.7	99.3	0.0	-	-	93.4	6.6	0.0	-	-	90.2	9.8	0.0	-	-	-
Total %	0.3	45.1	0.0	-	45.4	47.8	3.4	0.0	-	51.2	3.0	0.3	0.0	-	3.3	-
Lights	8	1094	0	-	1102	1160	82	0	-	1242	72	8	0	-	80	2424
% Lights	100.0	99.1	-	-	99.1	99.1	98.8	-	-	99.0	97.3	100.0	-	-	97.6	99.0
Buses	0	1	0	-	1	1	0	0	-	1	0	0	0	-	0	2
% Buses	0.0	0.1	-	-	0.1	0.1	0.0	-	-	0.1	0.0	0.0	-	-	0.0	0.1
Trucks	0	9	0	-	9	10	1	0	-	11	2	0	0	-	2	22
% Trucks	0.0	0.8	-	-	0.8	0.9	1.2	-	-	0.9	2.7	0.0	-	-	2.4	0.9
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
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Serving Transportation Professionals Since 1995

Count Name: Rte 230 & Ridge
Run Rd (3/26)
Site Code:
Start Date: 03/26/2022
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Coatesville, Pennsylvania, United States 19320
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Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Harrisburg Ave						Harrisburg Ave						Cloverleaf Rd						Cloverleaf Rd						Int. Total
	Eastbound						Westbound						Northbound						Southbound						
	Left	Thru	Right	U-Turn	Peds	App.Total	Left	Thru	Right	U-Turn	Peds	App.Total	Left	Thru	Right	U-Turn	Peds	App.Total	Left	Thru	Right	U-Turn	Peds	App.Total	
6:00 AM	6	1	7	0	0	14	0	3	11	0	0	14	6	48	0	0	0	54	2	21	6	0	0	29	111
6:15 AM	10	2	5	0	0	17	1	9	24	0	0	34	3	57	0	0	0	60	6	31	6	0	0	43	154
6:30 AM	14	3	3	0	0	20	0	6	24	0	0	30	7	69	0	0	0	76	5	32	14	0	0	51	177
6:45 AM	14	2	5	0	1	21	0	10	28	0	0	38	14	78	3	0	0	95	8	42	22	0	0	72	226
Hourly Total	44	8	20	0	1	72	1	28	87	0	0	116	30	252	3	0	0	285	21	126	48	0	0	195	668
7:00 AM	12	6	9	0	0	27	3	6	34	0	0	43	12	74	2	0	0	88	5	32	17	0	0	54	212
7:15 AM	21	6	7	0	0	34	2	14	28	0	0	44	7	66	1	0	0	74	5	38	17	0	0	60	212
7:30 AM	14	8	12	0	0	34	1	12	19	0	0	32	12	75	3	0	0	90	7	39	15	0	0	61	217
7:45 AM	7	6	11	0	0	24	3	10	22	0	0	35	11	54	1	0	0	66	8	54	25	0	0	87	212
Hourly Total	54	26	39	0	0	119	9	42	103	0	0	154	42	269	7	0	0	318	25	163	74	0	0	262	853
8:00 AM	15	5	14	0	0	34	1	8	16	0	0	25	10	65	1	0	0	76	7	42	17	0	0	66	201
8:15 AM	22	8	4	0	0	34	1	12	28	0	0	41	9	64	1	0	0	74	7	36	14	0	0	57	206
8:30 AM	28	10	11	0	0	49	2	12	18	0	0	32	7	55	0	0	0	62	4	37	16	0	0	57	200
8:45 AM	18	7	3	0	0	28	1	10	15	0	0	26	8	52	0	0	0	60	5	32	14	0	0	51	165
Hourly Total	83	30	32	0	0	145	5	42	77	0	0	124	34	236	2	0	0	272	23	147	61	0	0	231	772
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
3:00 PM	18	10	17	0	0	45	4	12	9	0	0	25	9	56	0	0	0	65	6	47	18	0	0	71	206
3:15 PM	14	14	10	0	0	38	1	14	6	0	0	21	4	41	1	0	0	46	17	49	16	0	0	82	187
3:30 PM	23	27	11	0	0	61	3	9	10	0	0	22	6	55	1	0	0	62	16	54	17	0	0	87	232
3:45 PM	24	19	13	0	0	56	0	15	13	0	0	28	3	48	3	0	0	54	17	61	8	0	0	86	224
Hourly Total	79	70	51	0	0	200	8	50	38	0	0	96	22	200	5	0	0	227	56	211	59	0	0	326	849
4:00 PM	29	17	19	0	0	65	0	9	19	0	0	28	0	46	1	0	0	47	17	79	16	0	0	112	252
4:15 PM	23	23	21	0	0	67	1	9	14	0	0	24	13	61	2	0	0	76	13	74	9	0	0	96	263
4:30 PM	12	18	16	0	0	46	0	12	14	0	0	26	6	63	1	0	0	70	21	79	9	0	0	109	251
4:45 PM	19	19	22	0	0	60	0	17	16	0	0	33	6	66	1	0	0	73	23	62	15	0	0	100	266
Hourly Total	83	77	78	0	0	238	1	47	63	0	0	111	25	236	5	0	0	266	74	294	49	0	0	417	1032
5:00 PM	22	20	16	0	0	58	3	12	10	0	0	25	7	51	2	0	0	60	26	81	13	0	0	120	263
5:15 PM	9	16	17	0	0	42	2	11	17	0	0	30	8	65	0	0	0	73	23	64	9	0	0	96	241
5:30 PM	16	11	13	0	0	40	1	11	15	0	0	27	7	52	4	0	0	63	15	61	18	0	0	94	224
5:45 PM	13	25	17	0	0	55	0	16	16	0	0	32	5	50	3	0	0	58	30	67	21	0	0	118	263
Hourly Total	60	72	63	0	0	195	6	50	58	0	0	114	27	218	9	0	0	254	94	273	61	0	0	428	991
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	403	283	283	0	1	969	30	259	426	0	0	715	180	1411	31	0	0	1622	293	1215	352	0	0	1860	5166
Approach %	41.6	29.2	29.2	0.0	-	-	4.2	36.2	59.6	0.0	-	-	11.1	87.0	1.9	0.0	-	-	15.8	65.3	18.9	0.0	-	-	-
Total %	7.8	5.5	5.5	0.0	-	18.8	0.6	5.0	8.2	0.0	-	13.8	3.5	27.3	0.6	0.0	-	31.4	5.7	23.5	6.8	0.0	-	36.0	-
Lights	283	274	268	0	-	825	29	249	399	0	-	677	162	1329	29	0	-	1520	270	1148	249	0	-	1667	4689
% Lights	70.2	96.8	94.7	-	-	85.1	96.7	96.1	93.7	-	-	94.7	90.0	94.2	93.5	-	-	93.7	92.2	94.5	70.7	-	-	89.6	90.8
Buses	6	1	1	0	-	8	1	3	18	0	-	22	0	25	1	0	-	26	16	21	2	0	-	39	95
% Buses	1.5	0.4	0.4	-	-	0.8	3.3	1.2	4.2	-	-	3.1	0.0	1.8	3.2	-	-	1.6	5.5	1.7	0.6	-	-	2.1	1.8
Trucks	114	8	14	0	-	136	0	7	9	0	-	16	18	57	1	0	-	76	7	46	101	0	-	154	382
% Trucks	28.3	2.8	4.9	-	-	14.0	0.0	2.7	2.1	-	-	2.2	10.0	4.0	3.2	-	-	4.7	2.4	3.8	28.7	-	-	8.3	7.4
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	-	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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Start Time	Harrisburg Ave Eastbound						Harrisburg Ave Westbound						Cloverleaf Rd Northbound						Cloverleaf Rd Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
6:45 AM	14	2	5	0	1	21	0	10	28	0	0	38	14	78	3	0	0	95	8	42	22	0	0	72	226
7:00 AM	12	6	9	0	0	27	3	6	34	0	0	43	12	74	2	0	0	88	5	32	17	0	0	54	212
7:15 AM	21	6	7	0	0	34	2	14	28	0	0	44	7	66	1	0	0	74	5	38	17	0	0	60	212
7:30 AM	14	8	12	0	0	34	1	12	19	0	0	32	12	75	3	0	0	90	7	39	15	0	0	61	217
Total	61	22	33	0	1	116	6	42	109	0	0	157	45	293	9	0	0	347	25	151	71	0	0	247	867
Approach %	52.6	19.0	28.4	0.0	-	-	3.8	26.8	69.4	0.0	-	-	13.0	84.4	2.6	0.0	-	-	10.1	61.1	28.7	0.0	-	-	-
Total %	7.0	2.5	3.8	0.0	-	13.4	0.7	4.8	12.6	0.0	-	18.1	5.2	33.8	1.0	0.0	-	40.0	2.9	17.4	8.2	0.0	-	28.5	-
PHF	0.726	0.688	0.688	0.000	-	0.853	0.500	0.750	0.801	0.000	-	0.892	0.804	0.939	0.750	0.000	-	0.913	0.781	0.899	0.807	0.000	-	0.858	0.959
Lights	32	21	26	0	-	79	6	39	105	0	-	150	38	271	9	0	-	318	17	129	42	0	-	188	735
% Lights	52.5	95.5	78.8	-	-	68.1	100.0	92.9	96.3	-	-	95.5	84.4	92.5	100.0	-	-	91.6	68.0	85.4	59.2	-	-	76.1	84.8
Buses	0	0	1	0	-	1	0	2	2	0	-	4	0	1	0	0	-	1	7	15	1	0	-	23	29
% Buses	0.0	0.0	3.0	-	-	0.9	0.0	4.8	1.8	-	-	2.5	0.0	0.3	0.0	-	-	0.3	28.0	9.9	1.4	-	-	9.3	3.3
Trucks	29	1	6	0	-	36	0	1	2	0	-	3	7	21	0	0	-	28	1	7	28	0	-	36	103
% Trucks	47.5	4.5	18.2	-	-	31.0	0.0	2.4	1.8	-	-	1.9	15.6	7.2	0.0	-	-	8.1	4.0	4.6	39.4	-	-	14.6	11.9
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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[illegible]

Turning Movement Data

Start Time	Harrisburg Ave Eastbound						Harrisburg Ave Westbound						Cloverleaf Rd Northbound						Cloverleaf Rd Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
11:00 AM	6	6	8	0	0	20	0	10	23	0	0	33	6	32	4	0	0	42	9	41	4	0	0	54	149
11:15 AM	7	12	12	1	0	32	4	5	5	0	0	14	6	34	1	0	0	41	14	41	8	0	0	63	150
11:30 AM	11	15	5	0	0	31	2	5	7	0	0	14	3	45	4	0	0	52	4	40	10	0	0	54	151
11:45 AM	8	11	8	0	0	27	3	9	16	0	0	28	8	41	1	0	0	50	8	46	8	0	0	62	167
Hourly Total	32	44	33	1	0	110	9	29	51	0	0	89	23	152	10	0	0	185	35	168	30	0	0	233	617
12:00 PM	12	14	9	0	0	35	7	9	12	0	0	28	5	43	0	0	0	48	2	42	7	0	0	51	162
12:15 PM	6	8	10	0	0	24	3	9	11	0	0	23	3	43	2	0	0	48	10	47	8	0	0	65	160
12:30 PM	8	9	9	0	0	26	3	9	8	0	0	20	4	35	3	0	1	42	11	46	3	0	0	60	148
12:45 PM	4	18	6	0	0	28	0	14	12	0	0	26	6	40	2	0	0	48	7	35	9	0	0	51	153
Hourly Total	30	49	34	0	0	113	13	41	43	0	0	97	18	161	7	0	1	186	30	170	27	0	0	227	623
1:00 PM	8	11	10	0	0	29	1	4	13	0	0	18	1	38	1	0	0	40	7	39	6	0	0	52	139
1:15 PM	7	13	16	0	0	36	3	3	13	0	0	19	5	38	2	0	0	45	13	59	4	0	0	76	176
1:30 PM	12	10	6	0	0	28	0	9	12	0	0	21	4	54	1	0	0	59	4	42	3	0	0	49	157
1:45 PM	3	11	8	0	0	22	4	7	10	0	0	21	2	40	1	0	0	43	8	37	7	0	0	52	138
Hourly Total	30	45	40	0	0	115	8	23	48	0	0	79	12	170	5	0	0	187	32	177	20	0	0	229	610
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
Grand Total	92	138	107	1	0	338	30	93	142	0	0	265	53	484	22	0	1	559	97	515	77	0	0	689	1851
Approach %	27.2	40.8	31.7	0.3	-	-	11.3	35.1	53.6	0.0	-	-	9.5	86.6	3.9	0.0	-	-	14.1	74.7	11.2	0.0	-	-	-
Total %	5.0	7.5	5.8	0.1	-	18.3	1.6	5.0	7.7	0.0	-	14.3	2.9	26.1	1.2	0.0	-	30.2	5.2	27.8	4.2	0.0	-	37.2	-
Lights	86	135	104	1	-	326	30	91	141	0	-	262	48	473	22	0	-	543	96	503	71	0	-	670	1801
% Lights	93.5	97.8	97.2	100.0	-	96.4	100.0	97.8	99.3	-	-	98.9	90.6	97.7	100.0	-	-	97.1	99.0	97.7	92.2	-	-	97.2	97.3
Buses	1	0	0	0	-	1	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	1
% Buses	1.1	0.0	0.0	0.0	-	0.3	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.1
Trucks	5	3	3	0	-	11	0	2	1	0	-	3	5	11	0	0	-	16	1	12	6	0	-	19	49
% Trucks	5.4	2.2	2.8	0.0	-	3.3	0.0	2.2	0.7	-	-	1.1	9.4	2.3	0.0	-	-	2.9	1.0	2.3	7.8	-	-	2.8	2.6
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-



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	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
11:30 AM	11	15	5	0	0	31	2	5	7	0	0	14	3	45	4	0	0	52	4	40	10	0	0	54	151
11:45 AM	8	11	8	0	0	27	3	9	16	0	0	28	8	41	1	0	0	50	8	46	8	0	0	62	167
12:00 PM	12	14	9	0	0	35	7	9	12	0	0	28	5	43	0	0	0	48	2	42	7	0	0	51	162
12:15 PM	6	8	10	0	0	24	3	9	11	0	0	23	3	43	2	0	0	48	10	47	8	0	0	65	160
Total	37	48	32	0	0	117	15	32	46	0	0	93	19	172	7	0	0	198	24	175	33	0	0	232	640
Approach %	31.6	41.0	27.4	0.0	-	-	16.1	34.4	49.5	0.0	-	-	9.6	86.9	3.5	0.0	-	-	10.3	75.4	14.2	0.0	-	-	-
Total %	5.8	7.5	5.0	0.0	-	18.3	2.3	5.0	7.2	0.0	-	14.5	3.0	26.9	1.1	0.0	-	30.9	3.8	27.3	5.2	0.0	-	36.3	-
PHF	0.771	0.800	0.800	0.000	-	0.836	0.536	0.889	0.719	0.000	-	0.830	0.594	0.956	0.438	0.000	-	0.952	0.600	0.931	0.825	0.000	-	0.892	0.958
Lights	34	46	32	0	-	112	15	31	46	0	-	92	18	168	7	0	-	193	24	172	30	0	-	226	623
% Lights	91.9	95.8	100.0	-	-	95.7	100.0	96.9	100.0	-	-	98.9	94.7	97.7	100.0	-	-	97.5	100.0	98.3	90.9	-	-	97.4	97.3
Buses	1	0	0	0	-	1	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	1
% Buses	2.7	0.0	0.0	-	-	0.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.2
Trucks	2	2	0	0	-	4	0	1	0	0	-	1	1	4	0	0	-	5	0	3	3	0	-	6	16
% Trucks	5.4	4.2	0.0	-	-	3.4	0.0	3.1	0.0	-	-	1.1	5.3	2.3	0.0	-	-	2.5	0.0	1.7	9.1	-	-	2.6	2.5
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
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Turning Movement Peak Hour Data (4:30 PM)

[illegible]



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Turning Movement Data

Start Time	Andrew Ave Eastbound							Norlanco Dr Westbound							Cloverleaf Rd Northbound							Cloverleaf Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
11:00 AM	2	0	0	3	0	0	5	11	0	0	2	0	0	13	3	115	0	0	0	1	118	4	119	2	0	0	0	125	261
11:15 AM	4	0	0	2	0	0	6	11	0	4	0	0	0	15	1	122	0	0	0	0	123	0	109	0	0	0	0	109	253
11:30 AM	0	0	0	3	0	0	3	12	0	1	0	0	0	13	2	108	0	0	0	0	110	1	125	2	1	0	0	129	255
11:45 AM	2	0	0	3	0	0	5	5	0	1	2	0	0	8	3	113	2	0	0	0	118	0	106	1	0	0	0	107	238
Hourly Total	8	0	0	11	0	0	19	39	0	6	4	0	0	49	9	458	2	0	0	1	469	5	459	5	1	0	0	470	1007
12:00 PM	4	0	2	2	0	0	8	10	0	8	2	0	0	20	3	125	3	0	0	0	131	5	103	1	0	0	0	109	268
12:15 PM	1	0	0	1	0	0	2	14	0	2	4	0	0	20	2	106	1	0	0	0	109	2	123	3	0	0	0	128	259
12:30 PM	0	0	2	2	0	0	4	13	0	4	2	0	0	19	2	116	2	0	0	0	120	0	118	2	0	0	0	120	263
12:45 PM	1	0	3	2	0	0	6	3	0	2	1	0	0	6	2	106	2	0	0	0	110	4	118	1	0	0	0	123	245
Hourly Total	6	0	7	7	0	0	20	40	0	16	9	0	0	65	9	453	8	0	0	0	470	11	462	7	0	0	0	480	1035
1:00 PM	3	0	0	4	0	0	7	7	0	0	1	0	0	8	6	108	2	0	0	0	116	5	112	3	0	0	0	120	251
1:15 PM	1	1	0	1	0	0	3	5	0	1	0	0	0	6	3	110	1	0	0	0	114	1	151	1	0	0	0	153	276
1:30 PM	0	0	2	0	0	0	2	8	0	0	2	0	0	10	4	144	2	0	0	0	150	1	106	2	0	0	0	109	271
1:45 PM	1	0	0	1	0	1	2	6	0	2	1	0	0	9	3	91	2	0	0	0	96	2	105	4	0	0	0	111	218
Hourly Total	5	1	2	6	0	1	14	26	0	3	4	0	0	33	16	453	7	0	0	0	476	9	474	10	0	0	0	493	1016
2:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Grand Total	19	1	9	24	0	1	53	106	0	25	17	0	0	148	34	1364	17	0	0	1	1415	25	1395	22	1	0	0	1443	3059
Approach %	35.8	1.9	17.0	45.3	0.0	-	-	71.6	0.0	16.9	11.5	0.0	-	-	2.4	96.4	1.2	0.0	0.0	-	-	1.7	96.7	1.5	0.1	0.0	-	-	-
Total %	0.6	0.0	0.3	0.8	0.0	-	1.7	3.5	0.0	0.8	0.6	0.0	-	4.8	1.1	44.6	0.6	0.0	0.0	-	46.3	0.8	45.6	0.7	0.0	0.0	-	47.2	-
Lights	19	1	9	24	0	-	53	106	0	25	17	0	-	148	34	1329	16	0	0	-	1379	25	1364	22	1	0	-	1412	2992
% Lights	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	100.0	100.0	-	-	100.0	100.0	97.4	94.1	-	-	-	97.5	100.0	97.8	100.0	100.0	-	-	97.9	97.8
Buses	0	0	0	0	0	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-	0	0	1	0	0	0	-	1	1
% Buses	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	0.1	0.0	0.0	-	-	0.1	0.0
Trucks	0	0	0	0	0	-	0	0	0	0	0	0	-	0	0	35	1	0	0	-	36	0	30	0	0	0	-	30	66
% Trucks	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0	2.6	5.9	-	-	-	2.5	0.0	2.2	0.0	0.0	-	-	2.1	2.2
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-



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Turning Movement Data

Start Time	Schwanger Rd							Schwanger Rd							Cloverleaf Rd							Cloverleaf Rd							Int. Total
	Eastbound							Westbound							Northbound							Southbound							
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
6:00 AM	23	1	0	2	0	0	26	0	1	5	4	0	0	10	1	120	0	0	0	0	121	2	46	9	1	0	0	58	215
6:15 AM	41	1	0	5	0	0	47	2	0	4	5	0	0	11	4	141	2	0	0	0	147	5	81	11	2	0	0	99	304
6:30 AM	41	2	4	5	0	0	52	3	2	2	9	0	0	16	2	176	0	0	0	0	178	0	100	8	2	0	0	110	356
6:45 AM	45	4	2	5	0	0	56	1	2	7	3	0	0	13	4	196	3	0	0	0	203	1	112	20	0	0	0	133	405
Hourly Total	150	8	6	17	0	0	181	6	5	18	21	0	0	50	11	633	5	0	0	0	649	8	339	48	5	0	0	400	1280
7:00 AM	79	3	4	8	0	0	94	4	1	11	9	0	0	25	6	183	2	1	0	0	192	2	87	29	1	0	0	119	430
7:15 AM	68	5	7	8	0	0	88	2	4	13	8	0	0	27	4	193	4	0	0	0	201	2	110	28	4	0	0	144	460
7:30 AM	84	9	11	11	0	0	115	2	3	15	5	0	0	25	8	206	1	0	0	0	215	5	117	38	2	0	0	162	517
7:45 AM	56	2	13	13	0	0	84	0	4	5	7	0	0	16	8	148	0	0	0	0	156	1	171	26	1	0	0	199	455
Hourly Total	287	19	35	40	0	0	381	8	12	44	29	0	0	93	26	730	7	1	0	0	764	10	485	121	8	0	0	624	1862
8:00 AM	43	2	5	9	0	0	59	2	6	7	2	0	0	17	5	147	3	1	0	0	156	3	94	17	1	0	0	115	347
8:15 AM	42	8	7	8	0	0	65	6	3	8	4	0	0	21	10	152	5	0	0	0	167	8	121	26	1	0	0	156	409
8:30 AM	47	3	2	13	0	0	65	1	9	3	3	0	0	16	10	141	1	0	0	0	152	4	123	27	3	0	0	157	390
8:45 AM	48	2	4	10	0	0	64	3	2	3	3	0	0	11	9	102	0	0	0	0	111	3	101	26	2	0	0	132	318
Hourly Total	180	15	18	40	0	0	253	12	20	21	12	0	0	65	34	542	9	1	0	0	586	18	439	96	7	0	0	560	1464
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	23	4	3	7	0	1	37	3	11	1	3	0	0	18	11	127	2	0	0	0	140	8	137	36	8	0	0	189	384
3:15 PM	44	7	8	7	0	0	66	2	8	4	3	0	0	17	10	112	5	1	0	0	128	11	154	64	2	0	0	231	442
3:30 PM	51	14	10	9	0	0	84	4	7	1	3	0	0	15	8	126	4	0	0	0	138	12	153	68	1	0	0	234	471
3:45 PM	47	12	6	2	0	0	67	0	7	3	3	0	0	13	17	123	5	0	0	0	145	11	166	68	3	0	0	248	473
Hourly Total	165	37	27	25	0	1	254	9	33	9	12	0	0	63	46	488	16	1	0	0	551	42	610	236	14	0	0	902	1770
4:00 PM	38	10	6	6	0	0	60	2	3	2	6	0	0	13	9	108	6	0	0	0	123	17	170	59	4	0	0	250	446
4:15 PM	41	6	7	2	0	0	56	3	4	4	3	0	0	14	8	136	0	0	0	0	144	11	180	64	8	0	0	263	477
4:30 PM	48	8	10	2	0	0	68	4	11	6	4	0	0	25	14	130	2	0	0	0	146	10	188	48	0	0	0	246	485
4:45 PM	42	9	12	1	0	0	64	3	10	1	2	0	0	16	11	132	3	1	0	0	147	16	205	69	3	0	0	293	520
Hourly Total	169	33	35	11	0	0	248	12	28	13	15	0	0	68	42	506	11	1	0	0	560	54	743	240	15	0	0	1052	1928
5:00 PM	42	5	10	6	0	0	63	1	7	2	3	0	0	13	12	144	3	0	0	0	159	11	193	69	4	0	0	277	512
5:15 PM	53	11	13	14	0	0	91	1	12	13	4	0	0	30	9	129	4	0	0	0	142	11	193	71	3	0	0	278	541
5:30 PM	34	7	8	5	0	0	54	5	7	0	7	0	0	19	17	106	6	0	0	0	129	11	182	67	7	0	0	267	469
5:45 PM	33	4	10	8	0	0	55	5	8	2	1	0	0	16	5	96	4	0	0	0	105	10	159	56	4	0	0	229	405
Hourly Total	162	27	41	33	0	0	263	12	34	17	15	0	0	78	43	475	17	0	0	0	535	43	727	263	18	0	0	1051	1927
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	
Grand Total	1113	139	162	166	0	1	1580	59	132	122	104	0	0	417	202	3374	65	4	0	0	3645	175	3344	1004	67	0	0	4590	10232
Approach %	70.4	8.8	10.3	10.5	0.0	-	-	14.1	31.7	29.3	24.9	0.0	-	-	5.5	92.6	1.8	0.1	0.0	-	-	3.8	72.9	21.9	1.5	0.0	-	-	-
Total %	10.9	1.4	1.6	1.6	0.0	-	15.4	0.6	1.3	1.2	1.0	0.0	-	4.1	2.0	33.0	0.6	0.0	0.0	-	35.6	1.7	32.7	9.8	0.7	0.0	-	44.9	-
Lights	1100	138	157	163	0	-	1558	55	128	118	103	0	-	404	192	3110	60	4	0	-	3366	171	3087	985	67	0	-	4310	9638
% Lights	98.8	99.3	96.9	98.2	-	-	98.6	93.2	97.0	96.7	99.0	-	-	96.9	95.0	92.2	92.3	100.0	-	-	92.3	97.7	92.3	98.1	100.0	-	-	93.9	94.2
Buses	3	0	3	0	0	-	6	2	3	1	0	0	-	6	6	15	3	0	0	-	24	3	21	2	0	0	-	26	62
% Buses	0.3	0.0	1.9	0.0	-	-	0.4	3.4	2.3	0.8	0.0	-	-	1.4	3.0	0.4	4.6	0.0	-	-	0.7	1.7	0.6	0.2	0.0	-	-	0.6	0.6
Trucks	10	1	2	3	0	-	16	2	1	3	1	0	-	7	4	249	2	0	0	-	255	1	236	17	0	0	-	254	532
% Trucks	0.9	0.7	1.2	1.8	-	-	1.0	3.4	0.8	2.5	1.0	-	-	1.7	2.0	7.4	3.1	0.0	-	-	7.0	0.6	7.1	1.7	0.0	-	-	5.5	5.2
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrian %	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	0	-	-	
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (7:00 AM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (4:30 PM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Schwanger Rd Eastbound							Schwanger Rd Westbound							Cloverleaf Rd Northbound							Cloverleaf Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Ped s	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped s	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped s	App. Total	Left	Thru	Right	Right on Red	U-Turn	Ped s	App. Total	
11:00 AM	22	5	5	11	0	0	43	1	6	5	1	0	0	13	11	111	0	0	0	0	122	7	107	16	3	0	0	133	311
11:15 AM	39	6	8	3	0	0	56	1	6	2	6	0	0	15	3	119	1	0	0	0	123	1	94	24	5	0	0	124	318
11:30 AM	39	1	3	9	0	0	52	4	9	5	5	0	0	23	6	102	3	0	0	0	111	11	112	31	1	0	0	155	341
11:45 AM	42	7	7	1	0	0	57	4	0	3	6	0	0	13	8	107	7	1	0	0	123	12	91	23	5	0	0	131	324
Hourly Total	142	19	23	24	0	0	208	10	21	15	18	0	0	64	28	439	11	1	0	0	479	31	404	94	14	0	0	543	1294
12:00 PM	32	4	5	7	0	0	48	5	5	3	4	0	0	17	11	121	2	0	0	0	134	2	92	21	7	0	0	122	321
12:15 PM	36	8	6	9	0	0	59	1	4	4	3	0	0	12	9	102	1	0	0	0	112	9	111	54	1	0	0	175	358
12:30 PM	48	7	6	4	0	0	65	4	3	7	4	0	0	18	3	113	2	0	0	0	118	4	107	35	17	0	0	163	364
12:45 PM	33	4	9	6	0	0	52	1	9	5	2	0	0	17	6	104	2	1	0	0	113	4	109	35	7	0	0	155	337
Hourly Total	149	23	26	26	0	0	224	11	21	19	13	0	0	64	29	440	7	1	0	0	477	19	419	145	32	0	0	615	1380
1:00 PM	31	2	4	5	0	0	42	4	2	2	2	0	0	10	10	98	6	0	0	0	114	2	109	30	2	0	0	143	309
1:15 PM	23	2	11	7	0	0	43	3	5	3	4	0	0	15	9	94	3	0	0	0	106	10	130	20	4	0	0	164	328
1:30 PM	41	6	2	4	0	0	53	2	2	2	3	0	0	9	13	131	3	0	0	0	147	6	102	36	6	0	0	150	359
1:45 PM	40	9	4	4	0	1	57	3	5	7	0	0	0	15	7	79	6	0	0	0	92	9	103	36	6	0	0	154	318
Hourly Total	135	19	21	20	0	1	195	12	14	14	9	0	0	49	39	402	18	0	0	0	459	27	444	122	18	0	0	611	1314
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Grand Total	426	61	70	70	0	1	627	33	56	48	40	0	0	177	96	1281	36	2	0	0	1415	77	1268	361	64	0	0	1770	3989
Approach %	67.9	9.7	11.2	11.2	0.0	-	-	18.6	31.6	27.1	22.6	0.0	-	-	6.8	90.5	2.5	0.1	0.0	-	-	4.4	71.6	20.4	3.6	0.0	-	-	-
Total %	10.7	1.5	1.8	1.8	0.0	-	15.7	0.8	1.4	1.2	1.0	0.0	-	4.4	2.4	32.1	0.9	0.1	0.0	-	35.5	1.9	31.8	9.0	1.6	0.0	-	44.4	-
Lights	423	60	70	69	0	-	622	33	55	47	37	0	-	172	94	1249	36	2	0	-	1381	76	1238	359	63	0	-	1736	3911
% Lights	99.3	98.4	100.0	98.6	-	-	99.2	100.0	98.2	97.9	92.5	-	-	97.2	97.9	97.5	100.0	100.0	-	-	97.6	98.7	97.6	99.4	98.4	-	-	98.1	98.0
Buses	0	0	0	0	0	-	0	0	0	0	1	0	-	1	0	0	0	0	0	-	0	0	1	2	0	0	-	3	4
% Buses	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	2.5	-	-	0.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.1	0.6	0.0	-	-	0.2	0.1
Trucks	3	1	0	1	0	-	5	0	1	1	2	0	-	4	2	32	0	0	0	-	34	1	29	0	1	0	-	31	74
% Trucks	0.7	1.6	0.0	1.4	0	-	0.8	0.0	1.8	2.1	5.0	-	-	2.3	2.1	2.5	0.0	0.0	-	-	2.4	1.3	2.3	0.0	1.6	-	-	1.8	1.9
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-
% Bicycles on Crosswalk	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-
% Pedestrians	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (12:00 PM)

Start Time	Schwanger Rd Eastbound							Schwanger Rd Westbound							Cloverleaf Rd Northbound							Cloverleaf Rd Southbound							Int. Total
	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	Left	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
12:00 PM	32	4	5	7	0	0	48	5	5	3	4	0	0	17	11	121	2	0	0	0	134	2	92	21	7	0	0	122	321
12:15 PM	36	8	6	9	0	0	59	1	4	4	3	0	0	12	9	102	1	0	0	0	112	9	111	54	1	0	0	175	358
12:30 PM	48	7	6	4	0	0	65	4	3	7	4	0	0	18	3	113	2	0	0	0	118	4	107	35	17	0	0	163	364
12:45 PM	33	4	9	6	0	0	52	1	9	5	2	0	0	17	6	104	2	1	0	0	113	4	109	35	7	0	0	155	337
Total	149	23	26	26	0	0	224	11	21	19	13	0	0	64	29	440	7	1	0	0	477	19	419	145	32	0	0	615	1380
Approach %	66.5	10.3	11.6	11.6	0.0	-	-	17.2	32.8	29.7	20.3	0.0	-	-	6.1	92.2	1.5	0.2	0.0	-	-	3.1	68.1	23.6	5.2	0.0	-	-	-
Total %	10.8	1.7	1.9	1.9	0.0	-	16.2	0.8	1.5	1.4	0.9	0.0	-	4.6	2.1	31.9	0.5	0.1	0.0	-	34.6	1.4	30.4	10.5	2.3	0.0	-	44.6	-
PHF	0.776	0.719	0.722	0.722	0.000	-	0.862	0.550	0.583	0.679	0.813	0.000	-	0.889	0.659	0.909	0.875	0.250	0.000	-	0.890	0.528	0.944	0.671	0.471	0.000	-	0.879	0.948
Lights	148	23	26	25	0	-	222	11	21	19	12	0	-	63	29	426	7	1	0	-	463	18	413	145	32	0	-	608	1356
% Lights	99.3	100.0	100.0	96.2	-	-	99.1	100.0	100.0	100.0	92.3	-	-	98.4	100.0	96.8	100.0	100.0	-	-	97.1	94.7	98.6	100.0	100.0	-	-	98.9	98.3
Buses	0	0	0	0	0	-	0	0	0	0	1	0	-	1	0	0	0	0	0	-	0	0	0	0	0	0	-	0	1
% Buses	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	7.7	-	-	1.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.1
Trucks	1	0	0	1	0	-	2	0	0	0	0	0	-	0	0	14	0	0	0	-	14	1	6	0	0	0	-	7	23
% Trucks	0.7	0.0	0.0	3.8	-	-	0.9	0.0	0.0	0.0	0.0	-	-	0.0	0.0	3.2	0.0	0.0	-	-	2.9	5.3	1.4	0.0	0.0	-	-	1.1	1.7
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Merts Dr Eastbound					Cloverleaf Rd Northbound					Cloverleaf Rd Southbound					Int. Total
	Left	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	
6:00 AM	0	1	0	0	1	2	145	0	0	147	62	1	0	0	63	211
6:15 AM	0	1	0	0	1	0	189	1	0	190	104	0	0	0	104	295
6:30 AM	1	0	0	0	1	1	232	0	0	233	100	2	0	0	102	336
6:45 AM	2	4	0	0	6	3	244	0	0	247	136	0	0	0	136	389
Hourly Total	3	6	0	0	9	6	810	1	0	817	402	3	0	0	405	1231
7:00 AM	0	7	0	0	7	0	276	0	0	276	112	1	0	0	113	396
7:15 AM	3	6	0	0	9	0	290	0	0	290	135	2	0	0	137	436
7:30 AM	3	11	0	0	14	0	304	0	0	304	155	2	0	0	157	475
7:45 AM	0	0	0	0	0	0	220	0	0	220	186	0	1	0	187	407
Hourly Total	6	24	0	0	30	0	1090	0	0	1090	588	5	1	0	594	1714
8:00 AM	1	0	0	0	1	0	198	0	0	198	116	2	0	0	118	317
8:15 AM	1	0	0	0	1	0	207	0	0	207	165	1	0	0	166	374
8:30 AM	4	1	0	0	5	2	196	0	0	198	141	2	0	0	143	346
8:45 AM	0	0	0	0	0	0	155	0	0	155	136	0	0	0	136	291
Hourly Total	6	1	0	0	7	2	756	0	0	758	558	5	0	0	563	1328
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	1	0	0	1	2	155	0	0	157	181	3	0	0	184	342
3:15 PM	0	3	0	0	3	0	154	1	0	155	228	0	1	0	229	387
3:30 PM	1	2	0	0	3	1	181	0	0	182	243	2	0	0	245	430
3:45 PM	1	0	0	0	1	0	174	0	0	174	249	4	0	0	253	428
Hourly Total	2	6	0	0	8	3	664	1	0	668	901	9	1	0	911	1587
4:00 PM	2	0	0	0	2	2	152	0	0	154	257	6	0	0	263	419
4:15 PM	1	3	0	0	4	4	177	0	0	181	248	4	0	0	252	437
4:30 PM	0	0	0	0	0	0	185	1	0	186	249	0	0	0	249	435
4:45 PM	0	1	0	0	1	1	181	0	0	182	284	2	0	0	286	469
Hourly Total	3	4	0	0	7	7	695	1	0	703	1038	12	0	0	1050	1760
5:00 PM	3	4	0	0	7	5	182	0	0	187	274	5	0	0	279	473
5:15 PM	0	4	0	0	4	2	193	0	0	195	274	3	0	0	277	476
5:30 PM	3	0	0	0	3	3	145	0	0	148	275	2	0	0	277	428
5:45 PM	1	1	0	0	2	1	132	0	0	133	210	3	0	0	213	348
Hourly Total	7	9	0	0	16	11	652	0	0	663	1033	13	0	0	1046	1725
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	27	50	0	0	77	29	4667	3	0	4699	4520	47	2	0	4569	9345
Approach %	35.1	64.9	0.0	-	-	0.6	99.3	0.1	-	-	98.9	1.0	0.0	-	-	-
Total %	0.3	0.5	0.0	-	0.8	0.3	49.9	0.0	-	50.3	48.4	0.5	0.0	-	48.9	-
Lights	25	49	0	-	74	27	4385	1	-	4413	4237	46	1	-	4284	8771
% Lights	92.6	98.0	-	-	96.1	93.1	94.0	33.3	-	93.9	93.7	97.9	50.0	-	93.8	93.9
Buses	0	1	0	-	1	1	18	0	-	19	25	0	0	-	25	45
% Buses	0.0	2.0	-	-	1.3	3.4	0.4	0.0	-	0.4	0.6	0.0	0.0	-	0.5	0.5
Trucks	2	0	0	-	2	1	264	2	-	267	258	1	1	-	260	529
% Trucks	7.4	0.0	-	-	2.6	3.4	5.7	66.7	-	5.7	5.7	2.1	50.0	-	5.7	5.7
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (7:00 AM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (4:30 PM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Merts Dr Eastbound					Cloverleaf Rd Northbound					Cloverleaf Rd Southbound					Int. Total
	Left	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	
11:00 AM	3	0	0	0	3	0	141	0	0	141	122	2	0	0	124	268
11:15 AM	0	3	0	0	3	1	166	0	0	167	126	1	0	0	127	297
11:30 AM	1	3	0	0	4	3	145	0	0	148	143	1	0	0	144	296
11:45 AM	1	1	0	0	2	0	152	0	0	152	131	3	0	0	134	288
Hourly Total	5	7	0	0	12	4	604	0	0	608	522	7	0	0	529	1149
12:00 PM	2	3	0	0	5	4	153	0	0	157	127	1	0	0	128	290
12:15 PM	0	4	0	0	4	4	143	0	0	147	164	1	0	0	165	316
12:30 PM	3	3	0	0	6	4	162	0	0	166	154	0	0	0	154	326
12:45 PM	1	1	0	0	2	1	138	1	0	140	149	1	0	0	150	292
Hourly Total	6	11	0	0	17	13	596	1	0	610	594	3	0	0	597	1224
1:00 PM	1	0	0	0	1	5	133	0	0	138	142	1	0	0	143	282
1:15 PM	0	5	0	0	5	4	120	0	0	124	157	5	0	0	162	291
1:30 PM	2	2	0	0	4	3	174	0	0	177	144	3	0	0	147	328
1:45 PM	0	0	0	1	0	3	118	0	0	121	157	1	0	0	158	279
Hourly Total	3	7	0	1	10	15	545	0	0	560	600	10	0	0	610	1180
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	14	25	0	1	39	32	1745	1	0	1778	1716	20	0	0	1736	3553
Approach %	35.9	64.1	0.0	-	-	1.8	98.1	0.1	-	-	98.8	1.2	0.0	-	-	-
Total %	0.4	0.7	0.0	-	1.1	0.9	49.1	0.0	-	50.0	48.3	0.6	0.0	-	48.9	-
Lights	13	25	0	-	38	32	1706	1	-	1739	1680	19	0	-	1699	3476
% Lights	92.9	100.0	-	-	97.4	100.0	97.8	100.0	-	97.8	97.9	95.0	-	-	97.9	97.8
Buses	0	0	0	-	0	0	0	0	-	0	4	0	0	-	4	4
% Buses	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.2	0.0	-	-	0.2	0.1
Trucks	1	0	0	-	1	0	39	0	-	39	32	1	0	-	33	73
% Trucks	7.1	0.0	-	-	2.6	0.0	2.2	0.0	-	2.2	1.9	5.0	-	-	1.9	2.1
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
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Turning Movement Peak Hour Data (12:00 PM)

[illegible]



Coatesville, Pennsylvania, United States 19320
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Serving Transportation Professionals Since 1995

Turning Movement Data

Start Time	Rt. 283 EB Off Ramp					Rt. 283 EB On Ramp		Cloverleaf Rd					Cloverleaf Rd					Int. Total
	Eastbound					Westbound		Northbound					Southbound					
	Left	Thru	Right	Peds	App. Total	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	
6:00 AM	5	0	13	0	18	0	0	72	67	0	0	139	11	49	0	0	60	217
6:15 AM	11	0	37	0	48	0	0	97	90	0	0	187	25	66	0	0	91	326
6:30 AM	3	0	33	0	36	0	0	121	112	0	0	233	27	70	0	0	97	366
6:45 AM	15	0	47	0	62	0	0	146	98	0	0	244	20	90	0	0	110	416
Hourly Total	34	0	130	0	164	0	0	436	367	0	0	803	83	275	0	0	358	1325
7:00 AM	8	1	28	0	37	0	0	134	137	0	0	271	22	90	0	0	112	420
7:15 AM	5	0	59	0	64	0	0	169	135	0	0	304	31	75	0	0	106	474
7:30 AM	10	0	62	0	72	0	0	152	144	0	0	296	28	93	0	0	121	489
7:45 AM	8	1	74	0	83	0	0	127	109	0	0	236	24	115	0	0	139	458
Hourly Total	31	2	223	0	256	0	0	582	525	0	0	1107	105	373	0	0	478	1841
8:00 AM	4	0	45	0	49	0	0	101	91	0	0	192	26	72	0	0	98	339
8:15 AM	3	0	70	0	73	0	0	112	101	0	0	213	14	96	0	0	110	396
8:30 AM	2	0	57	0	59	0	0	93	100	0	0	193	24	83	0	0	107	359
8:45 AM	7	0	47	0	54	0	0	79	79	0	0	158	18	89	0	0	107	319
Hourly Total	16	0	219	0	235	0	0	385	371	0	0	756	82	340	0	0	422	1413
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	7	0	82	0	89	0	0	71	85	0	0	156	15	110	0	0	125	370
3:15 PM	11	0	71	0	82	0	0	66	96	0	0	162	17	154	0	0	171	415
3:30 PM	9	0	83	0	92	0	0	76	114	0	0	190	38	162	0	0	200	482
3:45 PM	11	0	96	0	107	0	0	72	105	0	0	177	19	149	0	0	168	452
Hourly Total	38	0	332	0	370	0	0	285	400	0	0	685	89	575	0	0	664	1719
4:00 PM	14	1	112	0	127	0	0	63	85	0	0	148	25	144	0	0	169	444
4:15 PM	14	2	108	0	124	0	0	76	99	0	0	175	19	147	0	0	166	465
4:30 PM	10	0	106	0	116	0	0	90	97	0	0	187	26	146	0	0	172	475
4:45 PM	18	3	135	0	156	0	0	80	98	0	0	178	19	166	0	0	185	519
Hourly Total	56	6	461	0	523	0	0	309	379	0	0	688	89	603	0	0	692	1903
5:00 PM	8	0	112	0	120	0	0	93	100	0	0	193	26	157	0	0	183	496
5:15 PM	6	0	108	0	114	0	0	86	112	0	0	198	25	177	0	0	202	514
5:30 PM	13	0	109	0	122	0	0	59	86	0	0	145	23	159	0	0	182	449
5:45 PM	11	0	98	0	109	0	0	59	80	0	0	139	14	118	0	0	132	380
Hourly Total	38	0	427	0	465	0	0	297	378	0	0	675	88	611	0	0	699	1839
6:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Grand Total	213	8	1792	0	2013	0	0	2295	2420	0	0	4715	536	2777	0	0	3313	10041
Approach %	10.6	0.4	89.0	-	-	-	-	48.7	51.3	0.0	-	-	16.2	83.8	0.0	-	-	-
Total %	2.1	0.1	17.8	-	20.0	-	0.0	22.9	24.1	0.0	-	47.0	5.3	27.7	0.0	-	33.0	-
Lights	181	8	1693	-	1882	-	0	2098	2326	0	-	4424	469	2593	0	-	3062	9368
% Lights	85.0	100.0	94.5	-	93.5	-	-	91.4	96.1	-	-	93.8	87.5	93.4	-	-	92.4	93.3
Buses	1	0	2	-	3	-	0	12	7	0	-	19	1	24	0	-	25	47
% Buses	0.5	0.0	0.1	-	0.1	-	-	0.5	0.3	-	-	0.4	0.2	0.9	-	-	0.8	0.5
Trucks	31	0	97	-	128	-	0	185	87	0	-	272	66	160	0	-	226	626
% Trucks	14.6	0.0	5.4	-	6.4	-	-	8.1	3.6	-	-	5.8	12.3	5.8	-	-	6.8	6.2
Bicycles on Crosswalk	-	-	-	0	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (7:00 AM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Cloverleaf Rd &
Rt. 283 EB Ramps
Site Code:
Start Date: 03/29/2022
Page No: 5

Turning Movement Peak Hour Data (4:30 PM)

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Cloverleaf Rd &
Rt. 283 EB Ramps Sat
Site Code:
Start Date: 03/26/2022
Page No: 1

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
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Page No: 3

[illegible]



Coatesville, Pennsylvania, United States 19320
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Turning Movement Data

Start Time	Rt. 283 WB On Ramp		Rt. 283 WB Off Ramp						Cloverleaf Rd					Cloverleaf Rd						Int. Total
	Eastbound		Westbound				App. Total	Northbound				Southbound								
	Peds	App. Total	Left	Thru	Right	Right on Red		Peds	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	Right on Red	U-Turn	Peds	App. Total	
6:00 AM	0	0	42	0	5	5	0	52	60	14	0	0	74	25	1	3	0	0	29	155
6:15 AM	0	0	58	0	5	1	0	64	84	24	0	0	108	38	5	4	0	0	47	219
6:30 AM	0	0	53	0	8	14	0	75	102	19	0	0	121	43	6	7	0	0	56	252
6:45 AM	0	0	74	0	7	10	0	91	102	54	0	0	156	37	8	5	0	0	50	297
Hourly Total	0	0	227	0	25	30	0	282	348	111	0	0	459	143	20	19	0	0	182	923
7:00 AM	0	0	72	0	16	10	0	98	114	26	0	0	140	40	8	3	0	0	51	289
7:15 AM	0	0	58	0	12	7	0	77	146	26	0	0	172	46	12	7	0	0	65	314
7:30 AM	0	0	83	0	6	17	0	106	126	37	0	0	163	37	11	4	0	0	52	321
7:45 AM	0	0	93	0	6	12	0	111	102	36	0	0	138	47	8	2	0	0	57	306
Hourly Total	0	0	306	0	40	46	0	392	488	125	0	0	613	170	39	16	0	0	225	1230
8:00 AM	0	0	49	0	9	5	0	63	78	24	0	0	102	49	9	2	0	0	60	225
8:15 AM	0	0	70	1	6	7	0	84	89	23	0	0	112	37	6	1	0	0	44	240
8:30 AM	0	0	71	0	8	4	0	83	82	16	0	0	98	37	4	3	0	0	44	225
8:45 AM	0	0	78	0	14	4	0	96	61	25	0	0	86	32	7	1	0	0	40	222
Hourly Total	0	0	268	1	37	20	0	326	310	88	0	0	398	155	26	7	0	0	188	912
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	87	1	10	11	0	109	35	37	0	0	72	39	4	7	0	0	50	231
3:15 PM	0	0	119	0	17	8	0	144	51	27	0	0	78	52	0	3	0	0	55	277
3:30 PM	0	0	129	0	22	9	0	160	51	29	0	0	80	71	7	19	0	0	97	337
3:45 PM	0	0	126	1	19	20	0	166	45	41	0	0	86	46	6	3	0	0	55	307
Hourly Total	0	0	461	2	68	48	0	579	182	134	0	0	316	208	17	32	0	0	257	1152
4:00 PM	0	0	105	0	11	16	0	132	42	39	0	0	81	64	3	3	0	0	70	283
4:15 PM	0	0	123	0	22	22	0	167	53	35	0	0	88	43	2	2	0	0	47	302
4:30 PM	0	0	114	0	14	10	0	138	59	39	0	0	98	59	10	5	0	0	74	310
4:45 PM	0	0	136	0	25	10	0	171	63	35	0	0	98	48	6	3	0	0	57	326
Hourly Total	0	0	478	0	72	58	0	608	217	148	0	0	365	214	21	13	0	0	248	1221
5:00 PM	0	0	116	0	17	10	0	143	63	36	0	0	99	58	3	9	0	0	70	312
5:15 PM	0	0	158	0	21	13	0	192	69	23	0	0	92	46	4	6	0	0	56	340
5:30 PM	0	0	126	0	16	8	0	150	51	26	0	0	77	53	4	5	0	0	62	289
5:45 PM	0	0	103	0	14	6	0	123	48	21	0	0	69	33	1	3	0	0	37	229
Hourly Total	0	0	503	0	68	37	0	608	231	106	0	0	337	190	12	23	0	0	225	1170
Grand Total	0	0	2243	3	310	239	0	2795	1776	712	0	0	2488	1080	135	110	0	0	1325	6608
Approach %	-	-	80.3	0.1	11.1	8.6	-	-	71.4	28.6	0.0	-	-	81.5	10.2	8.3	0.0	-	-	-
Total %	-	0.0	33.9	0.0	4.7	3.6	-	42.3	26.9	10.8	0.0	-	37.7	16.3	2.0	1.7	0.0	-	20.1	-
Lights	-	0	2137	2	274	215	-	2628	1675	586	0	-	2261	943	117	98	0	-	1158	6047
% Lights	-	-	95.3	66.7	88.4	90.0	-	94.0	94.3	82.3	-	-	90.9	87.3	86.7	89.1	-	-	87.4	91.5
Buses	-	0	15	0	2	5	-	22	2	32	0	-	34	11	2	4	0	-	17	73
% Buses	-	-	0.7	0.0	0.6	2.1	-	0.8	0.1	4.5	-	-	1.4	1.0	1.5	3.6	-	-	1.3	1.1
Trucks	-	0	91	1	34	19	-	145	99	94	0	-	193	126	16	8	0	-	150	488
% Trucks	-	-	4.1	33.3	11.0	7.9	-	5.2	5.6	13.2	-	-	7.8	11.7	11.9	7.3	-	-	11.3	7.4
Bicycles on Crosswalk	0	-	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	0	-	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Count Name: Cloverleaf Rd &
Rt. 283 WB Ramps
Site Code:
Start Date: 03/29/2022
Page No: 3

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Coatesville, Pennsylvania, United States 19320
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Count Name: Cloverleaf Rd &
Rt. 283 WB Ramps
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Start Date: 03/29/2022
Page No: 5

[illegible]



Coatesville, Pennsylvania, United States 19320
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Count Name: Cloverleaf Rd &
Rt. 283 WB Ramps Sat
Site Code:
Start Date: 03/26/2022
Page No: 1

[illegible]



Coatesville, Pennsylvania, United States 19320
610-466-1469
Serving Transportation Professionals Since 1995

Turning Movement Peak Hour Data (12:00 PM)

[illegible]

Tri-State Traffic Data, Inc.

610-466-1469

TSTData.com

Page 1

Road: Rt. 230

Location: 535 ft W of Ridge Run Rd

Counter: 36066 & 35314

Site Code: 2

Station ID:

Latitude: 40' 12751.0000 North

Longitude: 76' 55287.0000 West

Start Time	Friday, March 25, 2022		Saturday, March 26, 2022		Sunday, March 27, 2022		Monday, March 28, 2022		Tuesday, March 29, 2022		Wednesday, March 30, 2022		Thursday, March 31, 2022		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	28	25	39	34	21	11	32	13	23	17	22	11	28	18
01:00	*	*	26	23	10	19	14	20	16	16	10	11	15	15	15	17
02:00	*	*	25	16	15	16	16	10	17	16	25	19	20	19	20	16
03:00	*	*	6	17	8	19	11	13	21	18	7	23	18	23	12	19
04:00	*	*	20	29	9	14	39	59	39	57	29	64	35	63	28	48
05:00	*	*	41	71	24	37	70	145	69	145	76	147	62	157	57	117
06:00	*	*	57	67	53	55	163	240	159	253	159	238	167	230	126	180
07:00	*	*	106	141	82	76	238	341	255	361	235	355	261	357	196	272
08:00	*	*	232	215	170	133	267	273	262	278	260	285	245	304	239	248
09:00	*	*	309	291	181	191	282	288	300	349	255	266	269	340	266	288
10:00	*	*	393	389	216	258	268	285	304	335	285	303	323	319	298	315
11:00	*	*	374	396	231	276	286	318	335	362	305	323	334	325	311	333
12:00 PM	*	*	378	402	275	298	329	350	309	330	297	298	361	358	325	339
01:00	*	*	354	381	258	279	285	339	296	346	260	333	332	337	298	336
02:00	*	*	337	330	259	271	330	323	344	339	350	328	352	349	329	323
03:00	381	386	284	294	253	226	367	346	385	383	361	382	440	389	353	344
04:00	496	384	289	267	199	220	444	355	462	389	462	337	481	379	405	333
05:00	425	379	284	304	212	221	397	347	419	383	427	381	408	365	367	340
06:00	316	313	252	248	174	158	272	224	302	278	291	256	297	258	272	248
07:00	195	258	191	201	151	152	186	168	191	238	211	194	206	194	190	201
08:00	159	151	143	138	116	122	123	124	158	173	151	168	140	153	141	147
09:00	112	110	119	124	76	64	70	82	121	74	99	98	107	104	101	94
10:00	91	63	83	70	43	32	54	44	47	44	50	51	63	48	62	50
11:00	65	29	46	41	33	9	40	33	42	24	54	23	38	19	45	25
Total	2240	2073	4377	4480	3087	3180	4572	4738	4885	5204	4682	4900	4996	5116	4484	4651
Day	4313		8857		6267		9310		10089		9582		10112		9135	
AM Peak	-	-	10:00	11:00	11:00	11:00	11:00	07:00	11:00	11:00	11:00	07:00	11:00	07:00	11:00	11:00
Vol.	-	-	393	396	231	276	286	341	335	362	305	355	334	357	311	333
PM Peak	16:00	15:00	12:00	12:00	12:00	12:00	16:00	16:00	16:00	16:00	16:00	15:00	16:00	15:00	16:00	15:00
Vol.	496	386	378	402	275	298	444	355	462	389	462	382	481	389	405	344

Tri-State Traffic Data, Inc.

610-466-1469

TSTData.com

Page 1

Road: Cloverleaf Rd
Location: 545 ft N of Rt. 230
Counter: 35892

Site Code: 1

Station ID:

A to B NB

Latitude: 40' 13263.0000 North

Longitude: 76' 56316.0000 West

Start Time	Friday, March 25, 2022		Saturday, March 26, 2022		Sunday, March 27, 2022		Monday, March 28, 2022		Tuesday, March 29, 2022		Wednesday, March 30, 2022		Thursday, March 31, 2022		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	37	61	66	83	28	40	21	42	33	44	37	51	37	54
01:00	*	*	28	40	26	42	31	26	40	23	18	38	31	32	29	34
02:00	*	*	25	33	20	36	24	15	31	19	35	23	27	32	27	26
03:00	*	*	33	26	28	21	37	21	55	38	52	20	65	33	45	26
04:00	*	*	57	35	27	20	134	63	114	71	120	63	112	63	94	52
05:00	*	*	76	89	45	55	261	170	265	179	260	190	286	166	199	142
06:00	*	*	169	114	114	84	550	347	599	330	618	366	563	354	436	266
07:00	*	*	300	191	152	111	736	418	732	466	750	503	749	510	570	366
08:00	*	*	386	300	255	246	536	449	585	474	541	489	580	435	480	399
09:00	*	*	427	377	293	248	428	417	455	449	401	397	465	418	412	384
10:00	*	*	486	442	383	299	371	367	421	382	436	427	407	447	417	394
11:00	*	*	473	479	387	363	383	444	387	435	395	416	406	475	405	435
12:00 PM	*	*	473	492	466	484	411	475	442	465	411	442	440	427	440	464
01:00	*	*	480	498	394	443	387	429	440	450	427	421	437	485	428	454
02:00	*	*	442	481	359	417	469	459	488	508	506	518	477	450	457	472
03:00	*	*	427	431	343	401	495	619	542	661	489	675	519	675	469	577
04:00	553	749	406	458	332	405	500	810	535	765	534	773	509	720	481	669
05:00	589	665	371	471	297	399	470	728	498	781	519	799	507	731	464	653
06:00	430	497	384	406	273	329	372	447	428	512	417	504	404	506	387	457
07:00	304	368	297	302	267	310	254	305	298	374	272	407	260	343	279	344
08:00	196	315	230	296	187	221	149	252	223	297	255	321	172	266	202	281
09:00	186	287	211	246	130	168	122	190	121	211	164	249	170	198	158	221
10:00	124	186	157	201	120	106	117	111	98	120	120	120	125	123	123	138
11:00	112	149	85	123	46	60	57	64	64	75	68	63	57	74	70	87
Total	2494	3216	6460	6592	5010	5351	7322	7666	7882	8127	7841	8268	7805	8014	7109	7395
Day	5710		13052		10361		14988		16009		16109		15819		14504	
AM Peak	-	-	10:00	11:00	11:00	11:00	07:00	08:00	07:00	08:00	07:00	07:00	07:00	07:00	07:00	11:00
Vol.	-	-	486	479	387	363	736	449	732	474	750	503	749	510	570	435
PM Peak	17:00	16:00	13:00	13:00	12:00	12:00	16:00	16:00	15:00	17:00	16:00	17:00	15:00	17:00	16:00	16:00
Vol.	589	749	480	498	466	484	500	810	542	781	534	799	519	731	481	669

Tri-State Traffic Data, Inc.

610-466-1469

TSTData.com

Page 1

Road: Ridge Run Rd
Location: 710 ft N of Rt. 230
Counter: 35902

Site Code: 3

Station ID:

A to B NB

Latitude: 40' 12870.0000 North

Longitude: 76' 55180.0000 West

Start Time	Friday, March 25, 2022		Saturday, March 26, 2022		Sunday, March 27, 2022		Monday, March 28, 2022		Tuesday, March 29, 2022		Wednesday, March 30, 2022		Thursday, March 31, 2022		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	2	3	5	0	3	0	2	2	0	1	2	0	2	1
01:00	*	*	1	3	0	1	0	0	1	1	0	2	1	1	0	1
02:00	*	*	1	0	1	1	1	0	1	2	1	0	0	0	1	0
03:00	*	*	1	2	2	2	0	0	1	0	0	0	1	0	1	1
04:00	*	*	1	1	0	0	2	3	3	3	2	1	1	2	2	2
05:00	*	*	2	3	0	3	4	7	3	7	1	4	6	6	3	5
06:00	*	*	1	3	3	3	9	15	12	14	14	13	10	11	8	10
07:00	*	*	10	14	4	9	19	20	25	26	26	23	24	28	18	20
08:00	*	*	9	17	10	23	23	27	15	20	23	26	20	33	17	24
09:00	*	*	17	30	15	18	18	19	21	17	20	22	25	27	19	22
10:00	*	*	22	25	24	19	18	24	19	20	15	13	22	28	20	22
11:00	*	*	30	24	28	12	21	20	22	33	14	14	29	32	24	22
12:00 PM	*	*	41	29	22	22	18	13	29	25	20	27	30	31	27	24
01:00	*	*	22	23	20	17	17	18	30	29	26	26	28	12	24	21
02:00	*	*	36	24	19	28	21	23	29	18	35	27	27	22	28	24
03:00	*	*	20	21	25	18	37	25	35	33	31	41	38	0	31	23
04:00	48	39	33	22	16	11	37	23	47	42	48	32	42	4	39	25
05:00	36	42	26	10	21	11	47	31	46	40	48	59	33	11	37	29
06:00	29	16	20	19	12	12	17	15	27	14	34	29	17	20	22	18
07:00	17	19	15	8	10	13	14	17	25	10	13	15	16	14	16	14
08:00	15	11	9	5	6	8	9	5	11	6	21	6	12	8	12	7
09:00	12	11	6	5	6	6	8	4	3	1	7	3	4	4	7	5
10:00	7	3	7	3	2	5	4	2	3	0	3	2	4	2	4	2
11:00	5	4	0	1	1	0	2	1	2	0	2	0	2	1	2	1
Total	169	145	332	295	252	242	349	312	412	363	404	386	394	297	364	323
Day	314		627		494		661		775		790		691		687	
AM Peak	-	-	11:00	09:00	11:00	08:00	08:00	08:00	07:00	11:00	07:00	08:00	11:00	08:00	11:00	08:00
Vol.	-	-	30	30	28	23	23	27	25	33	26	26	29	33	24	24
PM Peak	16:00	17:00	12:00	12:00	15:00	14:00	17:00	17:00	16:00	16:00	16:00	17:00	16:00	12:00	16:00	17:00
Vol.	48	42	41	29	25	28	47	31	47	42	48	59	42	31	39	29

APPENDIX I

GROWTH RATE INFORMATION

Growth Factors for August 2022 to July 2023				
County	Urban Interstate	Rural Interstate	Urban Non-Interstate	Rural Non-Interstate
ADAMS	*	*	0.50	0.60
ALLEGHENY	0.98	*	0.00	0.43
ARMSTRONG	0.80	*	0.00	0.37
BEAVER	0.64	2.05	0.00	0.30
BEDFORD	*	2.20	0.00	0.39
BERKS	1.34	2.53	0.32	0.58
BLAIR	0.86	2.34	0.00	0.40
BRADFORD	1.06	*	0.00	0.48
BUCKS	1.35	2.63	0.22	0.58
BUTLER	1.66	2.88	0.29	0.71
CAMBRIA	0.35	*	0.00	0.19
CAMERON	*	*	*	0.12
CARBON	1.42	2.68	0.28	0.60
CENTRE	1.79	2.75	0.72	0.74
CHESTER	1.77	2.92	0.54	0.77
CLARION	0.79	2.23	0.00	0.37
CLEARFIELD	0.61	1.94	0.00	0.31
CLINTON	1.10	2.36	0.02	0.48
COLUMBIA	1.10	2.32	0.06	0.48
CRAWFORD	0.74	2.12	0.00	0.36
CUMBERLAND	1.63	2.79	0.59	0.69
DAUPHIN	1.54	*	0.35	0.66
DELAWARE	1.27	*	0.00	*
ELK	*	*	0.00	0.30
ERIE	0.96	2.31	0.00	0.43
FAYETTE	0.86	*	0.00	0.39
FOREST	*	*	*	0.96
FRANKLIN	1.71	2.81	0.73	0.72
FULTON	*	2.33	*	0.50
GREENE	0.73	2.28	0.00	0.36
HUNTINGDON	*	2.49	0.00	0.49
INDIANA	0.94	*	0.00	0.44
JEFFERSON	*	2.32	0.00	0.46
JUNIATA	*	*	*	0.53
LACKAWANNA	0.99	2.36	0.00	0.44
LANCASTER	1.66	2.84	0.60	0.70
LAWRENCE	0.69	2.18	0.00	0.33
LEBANON	*	2.55	0.48	0.62
LEHIGH	1.75	3.09	0.53	0.75
LUZERNE	1.04	2.41	0.00	0.47
LYCOMING	0.99	2.37	0.00	0.44
MCKEAN	0.60	*	0.00	0.30
MERCER	0.92	2.52	0.00	0.43
MIFFLIN	1.17	*	0.00	0.51
MONROE	1.77	2.88	0.79	0.75
MONTGOMERY	1.29	*	0.27	0.55
MONTOUR	1.30	2.68	0.00	0.57
NORTHAMPTON	1.80	3.16	0.47	0.78
NORTHUMBERLAND	1.00	2.28	0.00	0.43
PERRY	*	*	0.24	0.54
PHILADELPHIA	1.18	*	0.05	*
PIKE	1.72	2.72	0.86	0.73
POTTER	*	*	*	0.35
SCHUYLKILL	1.00	2.45	0.00	0.45
SNYDER	1.23	*	0.21	0.54
SOMERSET	0.60	2.06	0.00	0.34
SULLIVAN	*	*	*	0.37
SUSQUEHANNA	1.09	2.43	0.00	0.47
TIOGA	*	*	*	0.42
UNION	1.54	2.68	0.44	0.63
VENANGO	*	1.91	0.00	0.27
WARREN	*	*	0.00	0.35
WASHINGTON	1.22	2.74	0.00	0.55
WAYNE	*	2.53	0.31	0.58
WESTMORELAND	0.89	2.18	0.00	0.40
WYOMING	*	*	0.00	0.44
YORK	1.57	2.89	0.47	0.69

* = Functional Class Doesn't Exist in County

Questions? Please contact Andrew O'Neill at the Bureau of Planning and Research, 717-346-3250 or andoneill@pa.gov

NOTE: The projected growth factors are derived using historical VMT (Vehicle Miles Traveled) data (1994 to 2021), as well as Woods and Poole demographic and economic data. The factors should be compounded when calculating future values. The factors should not be used to project traffic beyond a 20-year period. Please be aware that these factors are estimates, and unforeseen events (opening of shopping centers, fast food franchises, gas stations, etc) could cause growth to change over time.

APPENDIX J

TRIP GENERATION CALCULATION WORKSHEETS

MEMORANDUM

PASS-BY TRIP INFORMATION

Pass-by trip percentages for the Convenience Store/Gas Station: 9-20 VFP Land Use (945) were utilized as follows:

Weekday AM Peak Hour - 76 percent (ITE)

Weekday PM Peak Hour - 75 percent (ITE)

Saturday Peak Hour - 65 percent (assume 10 percent less than PM peak hour)

Pass-by trip percentages for the Shopping Center greater than 150,000 square feet Land Use (820) were utilized as follows:

Weekday PM Peak Hour - 19 percent (ITE)

Saturday Peak Hour - 10 percent (assumed - SAT pass-by for General Retail typically 8 to 10% less than PM pass-by)

Pass-by trip percentages for the Shopping Center between 40,000 and 150,000 square feet Land Use (821) were utilized as follows:

Weekday PM Peak Hour - 40 percent (ITE)

Saturday Peak Hour - 31 percent (ITE)

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual*, 11th Edition

Land Use Code	945									
Land Use	Convenience Store/Gas Station									
Setting	General Urban/Suburban									
Time Period	Weekday AM Peak Period									
# Data Sites	16 Sites with between 2 and 8 VFP					28 Sites with between 9 and 20 VFP				
Average Pass-By Rate	60% for Sites with between 2 and 8 VFP					76% for Sites with between 9 and 20 VFP				
	Pass-By Characteristics for Individual Sites									
						Non-Pass-By Trips			Adj Street Peak	
GFA (000)	VFP	State or Province	Survey Year	# Interviews	Pass-By Trip (%)	Primary (%)	Diverted (%)	Total (%)	Hour Volume	Source
2	8	Maryland	1992	46	87	13	0	13	2235	25
2.1	6	Maryland	1992	26	58	23	19	42	2080	25
2.1	6	Maryland	1992	26	58	23	19	42	2080	25
2.2	8	Maryland	1992	31	47	34	19	53	1785	25
2.2	< 8	Indiana	1993	79	56	6	38	44	635	2
2.2	8	Maryland	1992	35	78	9	13	22	7080	25
2.3	6	Maryland	1992	37	32	41	27	68	2080	25
2.3	< 8	Kentucky	1993	58	64	5	31	36	1255	2
2.3	6	Maryland	1992	37	32	41	27	68	2080	25
2.4	< 8	Kentucky	1993	—	48	17	35	52	1210	2
2.6	< 8	Kentucky	1993	—	72	15	13	28	940	2
2.8	< 8	Kentucky	1993	—	54	11	35	46	1240	2
3	< 8	Indiana	1993	62	74	10	16	26	790	2
3.6	< 8	Kentucky	1993	49	67	4	29	33	1985	2
3.7	< 8	Kentucky	1993	49	66	16	18	34	990	2
4.694	12	Maryland	2000	—	72	—	—	28	2440	30
4.694	12	Maryland	2000	—	78	—	—	22	1561	30
4.694	12	Maryland	2000	—	79	—	—	21	2764	30
4.848	12	Virginia	2000	—	55	—	—	45	1398	30
5.06	12	Pennsylvania	2000	—	84	—	—	16	3219	30
5.242	12	Virginia	2000	—	74	—	—	26	1160	30
5.242	12	Virginia	2000	—	71	—	—	29	548	30
5.488	12	Delaware	2000	—	80	—	—	20	—	30
5.5	12	Pennsylvania	2000	—	85	—	—	15	2975	30
4.2	< 8	Kentucky	1993	47	62	19	19	38	1705	2
4.694	16	Maryland	2000	—	90	—	—	10	2278	30
4.694	16	Delaware	2000	—	74	—	—	26	2185	30
4.694	16	Delaware	2000	—	58	—	—	42	962	30
4.694	16	Delaware	2000	—	84	—	—	16	2956	30
4.694	16	New Jersey	2000	—	79	—	—	21	1859	30
4.694	20	Delaware	2000	—	84	—	—	16	3864	30
4.848	16	Virginia	2000	—	68	—	—	32	2106	30
4.848	16	Virginia	2000	—	85	—	—	15	2676	30
4.848	16	Virginia	2000	—	75	—	—	25	3244	30
4.848	16	Virginia	2000	—	71	—	—	29	1663	30
4.993	16	Pennsylvania	2000	—	75	—	—	25	1991	30
5.094	16	New Jersey	2000	—	86	—	—	14	1260	30
5.5	16	Pennsylvania	2000	—	82	—	—	18	1570	30
5.543	16	Pennsylvania	2000	—	84	—	—	16	1933	30
5.565	16	Pennsylvania	2000	—	77	—	—	23	2262	30
5.565	16	Pennsylvania	2000	—	68	—	—	32	2854	30
5.565	16	New Jersey	2000	—	58	—	—	42	1253	30
5.565	16	New Jersey	2000	—	79	—	—	21	1928	30
5.565	16	New Jersey	2000	---	84	---	---	16	1953	30

Vehicle Pass-By Rates by Land Use										
Source: ITE Trip Generation Manual , 11th Edition										
Land Use Code	945									
Land Use	Convenience Store/Gas Station									
Setting	General Urban/Suburban									
Time Period	Weekday PM Peak Period									
# Data Sites	12 Sites with between 2 and 8 VFP					28 Sites with between 9 and 20 VFP				
Average Pass-By Rate	56% for Sites with between 2 and 8 VFP					75% for Sites with between 9 and 20 VFP				
	Pass-By Characteristics for Individual Sites									
	VFP	State or Province	Survey Year	# Interviews	Pass-By Trip (%)	Non-Pass-By Trips			Adj Street Peak	
GFA (000)						Primary (%)	Diverted (%)	Total (%)	Hour Volume	
2.1	8	Maryland	1992	31	52	13	35	48	1785	25
2.1	6	Maryland	1992	30	53	20	27	47	1060	25
2.2	< 8	Indiana	1993	115	48	16	36	52	820	2
2.3	< 8	Kentucky	1993	67	57	16	27	43	1954	2
2.3	6	Maryland	1992	55	40	11	49	60	2760	25
2.4	< 8	Kentucky	1993	—	58	13	29	42	2655	2
2.6	< 8	Kentucky	1993	68	67	15	18	33	950	2
2.8	< 8	Kentucky	1993	—	62	11	27	38	2875	2
3	< 8	Indiana	1993	80	65	15	20	35	1165	2
3.6	< 8	Kentucky	1993	60	56	17	27	44	2505	2
3.7	< 8	Kentucky	1993	70	61	16	23	39	2175	2
4.2	< 8	Kentucky	1993	61	58	26	16	42	2300	2
4.694	12	Maryland	2000	—	78	—	—	22	3549	30
4.694	12	Maryland	2000	—	67	—	—	33	2272	30
4.694	12	Maryland	2000	—	66	—	—	34	3514	30
4.848	12	Virginia	2000	—	71	—	—	29	2350	30
5.06	12	Pennsylvania	2000	—	91	—	—	9	4181	30
5.242	12	Virginia	2000	—	70	—	—	30	2445	30
5.242	12	Virginia	2000	—	56	—	—	44	950	30
5.488	12	Delaware	2000	—	73	—	—	27	—	30
5.5	12	Pennsylvania	2000	—	84	—	—	16	4025	30
4.694	16	Maryland	2000	—	89	—	—	11	2755	30
4.694	16	Delaware	2000	—	73	—	—	27	1858	30
4.694	16	Delaware	2000	—	59	—	—	41	1344	30
4.694	16	Delaware	2000	—	72	—	—	28	3434	30
4.694	16	New Jersey	2000	—	81	—	—	19	1734	30
4.694	20	Delaware	2000	—	76	—	—	24	1616	30
4.848	16	Virginia	2000	—	67	—	—	33	2.954	30
4.848	16	Virginia	2000	—	78	—	—	22	3086	30
4.848	16	Virginia	2000	—	83	—	—	17	4143	30
4.848	16	Virginia	2000	—	73	—	—	27	2534	30
4.993	16	Pennsylvania	2000	—	72	—	—	28	2917	30
5.094	16	New Jersey	2000	—	86	—	—	14	1730	30
5.5	16	Pennsylvania	2000	—	90	—	—	10	2616	30
5.543	16	Pennsylvania	2000	—	87	—	—	13	2363	30
5.565	16	Pennsylvania	2000	—	81	—	—	19	2770	30
5.565	16	Pennsylvania	2000	—	76	—	—	24	3362	30
5.565	16	New Jersey	2000	—	61	—	—	39	1713	30
5.565	16	New Jersey	2000	—	86	—	—	14	1721	30
5.565	16	New Jersey	2000	---	81	---	---	19	2227	30

[illegible]

Source: ITE *Trip Generation Manual* , 11th Edition

[illegible]

[illegible]

Source: ITE *Trip Generation Manual*, 11th Edition

Land Use Code

821

Land Use

Shopping Plaza (40 - 150k)

Setting

General Urban/Suburban

Time Period

Saturday Midday	
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Data Sites

1

Average Pass-By Rate

31%

Pass-By Characteristics for Individual Sites	
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State or	Survey
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Interviews

	Pass-By Trip (%)
0	0
10	10
20	20
30	30
40	40
50	50
60	60
70	70
80	80
90	90
100	100

Non-Pass-By Trips

Adjacent Street

GLA (000)

New Jersey	1990
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264

31

	47
--	----

22

69

63362

24

144

New Jersey	1990
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264

31

	47
--	----

22

69

63362

24

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual*, 11th Edition

[illegible]

TRIP GENERATION WORKSHEETS

PHASE 1