

Memorandum

Project #
150413.008

TO: Ms. Loretta Rokey, Village Administrator
 CC: FILE
 FROM: Mark W. Nolt, PE, PTOE, The Kleingers Group
 DATE: June 6, 2017
 RE: Railroad Quiet Zone Project – Traffic Counts and Delay Study

The Kleingers Group has completed traffic data collection in the Village of Glendale to provide information on anticipated changes in traffic patterns associated with the proposed closure of the existing railroad crossing at Albion Avenue. The Albion Avenue closure would occur as part of the Glendale Railroad Quiet Zone Project.

The Village of Glendale requested traffic data at the Sharon Road intersections with Troy Avenue and Greenville Avenue and at the intersection of Oak Street and Troy Avenue. In order to evaluate the anticipated traffic patterns with the closure of Albion Avenue, traffic data was collected under existing conditions, with the Albion Avenue crossing open, and under test conditions with the Albion Avenue crossing temporarily closed. Traffic data was collected for existing conditions from May 3 to May 9, 2017. The Village installed barricades to temporarily close the crossing on May 10, 2017. Traffic data was collected for test closure conditions from May 15 to May 21, 2017. An aerial photograph of the study area is shown below.



Miovision traffic counting equipment was deployed to collect video of the each of the study intersections for each full 7-day period. The video information was processed to obtain eight hours of turning movement counts for corresponding time periods of at least one weekday for both the existing and test closure conditions. Traffic count data sheets for the full eight hours at each intersection are attached to this memo. Peak one-hour traffic counts that occurred during various two-hour windows are summarized in the tables below.

	Start Time	Sharon Road Eastbound			Sharon Road Westbound			Troy Avenue Northbound			Troy Avenue Southbound		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
5/3/17	7:00 to 9:00 AM Peak		280	29	32	279		10		45			
5/4/17	7:00 to 9:00 AM Peak		289	37	20	279		22		41			
5/16/17	7:00 to 9:00 AM Peak		292	57	26	291		33		42			
5/17/17	7:00 to 9:00 AM Peak		296	70	25	311		33		42			
5/3/17	11:30 AM to 1:30 PM Peak		227	11	30	267		6		36			
5/4/17	11:30 AM to 1:30 PM Peak		221	15	20	252		10		25			
5/16/17	11:30 AM to 1:30 PM Peak		279	24	25	271		13		29			
5/17/17	11:30 AM to 1:30 PM Peak		235	16	18	274		21		37			
5/3/17	2:00 to 4:00 PM Peak		245	14	46	350		17		46			
5/4/17	2:00 to 4:00 PM Peak		240	21	40	284		13		41			
5/16/17	2:00 to 4:00 PM Peak		264	24	50	319		49		46			
5/17/17	2:00 to 4:00 PM Peak		264	35	39	306		42		38			
5/3/17	4:00 to 6:00 PM Peak		327	20	42	461		10		62			
5/4/17	4:00 to 6:00 PM Peak		314	16	42	449		10		42			
5/16/17	4:00 to 6:00 PM Peak		335	20	29	417		25		50			
5/17/17	4:00 to 6:00 PM Peak		340	20	45	443		19		47			

Table A: Traffic Count Summary, Sharon Road at Troy Avenue

	Start Time	Oak Street Eastbound			Oak Street Westbound			n/a Northbound			Troy Avenue Southbound		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
5/3/17	7:00 to 9:00 AM Peak	18	31			13	1				21		9
5/17/17	7:00 to 9:00 AM Peak	25	43			15	1				20		42
5/3/17	11:30 AM to 1:30 PM Peak	17	25			25	11				11		10
5/17/17	11:30 AM to 1:30 PM Peak	29	24			22	7				9		30
5/3/17	2:00 to 4:00 PM Peak	22	23			22	17				14		14
5/17/17	2:00 to 4:00 PM Peak	32	34			28	12				9		38
5/3/17	4:00 to 6:00 PM Peak	50	23			43	13				9		19
5/17/17	4:00 to 6:00 PM Peak	47	26			39	11				9		46

Table B: Traffic Count Summary, Oak Street at Troy Avenue

	Start Time	Sharon Road Eastbound			Sharon Road Westbound			Greenville Avenue Northbound			Greenville Avenue Southbound		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
5/4/17	7:00 to 9:00 AM Peak	0	325	3	13	284	2	0	2	0	0	0	0
5/16/17	7:00 to 9:00 AM Peak	0	342	7	15	307	3	0	0	0	0	0	4
5/4/17	11:30 AM to 1:30 PM Peak	1	235	19	23	230	5	0	0	0	0	1	2
5/16/17	11:30 AM to 1:30 PM Peak	0	296	6	13	266	10	0	0	0	0	4	2
5/4/17	2:00 to 4:00 PM Peak	0	261	6	12	278	5	0	0	1	0	0	4
5/16/17	2:00 to 4:00 PM Peak	1	280	11	18	343	9	0	1	2	1	0	2
5/4/17	4:00 to 6:00 PM Peak	4	348	26	17	431	7	0	2	2	0	5	3
5/16/17	4:00 to 6:00 PM Peak	0	355	6	15	424	3	0	1	0	0	0	2

Table C: Traffic Count Summary, Sharon Road at Greenville Avenue

It should be noted that the traffic counting equipment at the intersection of Sharon Road and Greenville Avenue terminated the video collection in advance of its programmed end time. As a result, a full seven days of video was not captured at this location. While the Tables A and B for the other two intersections provide data for corresponding days (Wednesdays), Table C for the Sharon Road at Greenville Avenue intersection provides data for Thursday, May 4th and Tuesday, May 16th. To provide more information for comparison between the Wednesday data collected at the other two intersections and the Tuesday-Thursday data collected at this intersection, Table A for the Sharon Road at Troy Avenue intersection also provides data for Thursday, May 4th and Tuesday, May 16th.

Stop sign delay studies were performed for both existing and test closure conditions for the Troy Avenue approaches to Sharon Road and Oak Street. Results of the delay studies are shown in Table D.

		Delay for Full Count Period				Delay when No Train is Present				
		AM		PM		AM		PM		
		Before Test Closure	During Test Closure	Before Test Closure	During Test Closure	Before Test Closure (8:15 to 9:00)	During Test Closure (8:15 to 9:00)	Before Test Closure (5:15 to 5:40)	During Test Closure (4:50 to 5:15)	
		5/3/17	5/17/17	5/3/17	5/17/17	5/3/17	5/17/17	5/3/17	5/17/17	
Southbound Troy at Oak										
	Average Stopped Time (sec)	10.13	2.82	16.3	8.31	2.44	1.86	3.4	1.41	
	Maximum Stopped Time (sec)	159	22	242	139	5	3	7	6	
	Average Queue	0.08	0.04	0.1	0.1	0.01	0.01	0.01	0.03	
	Maximum Queue	3	2	4	4	2	1	1	1	
Northbound Troy at Sharon										
	Average Stopped Time (sec)	10.63	9.07	12	11.58	5.61	4.13	5.57	6.26	
	Maximum Stopped Time (sec)	188	54	109	157	28	20	15	20	
	Average Queue	0.15	0.17	0.21	0.24	0.06	0.06	0.08	0.17	
	Maximum Queue	3	4	9	6	1	1	1	3	

Table D: Stop sign delay study summary

Table D provides delay information for the AM and PM full count period. It should be noted that for the “full count period” analysis, the average stopped time is less for the “test closure” scenario than it is for the “before test closure” scenario. This is likely due, in part, to a higher volume of traffic approaching the intersection during times when trains are not present, which leads to a lower average stopped time per vehicle. To provide a comparison between stopped times where traffic is not impacted by trains in the crossing, additional delay information is provided in Table D for when a train is not present. In general, when no train is present at the railroad crossing, the difference in average stopped time for the “test closure” condition is negligible when compared to the “before test closure” condition.

Study Name Sharon at Troy - 2017-0503
 Start Date 05/03/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Sharon Road Eastbound			Sharon Road Westbound			Troy Avenue Northbound			n/a Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM		64	7	11	68		1		14			
7:15 AM		48	3	9	49		3		8			
7:30 AM		76	6	4	65		1		10			
7:45 AM		92	12	9	87		4		16			
8:00 AM		64	8	10	78		2		11			
8:15 AM		44	6	6	50		3		3			
8:30 AM		40	3	6	54		2		9			
8:45 AM		44	3	6	78		0		13			
Two Hour Total		472	48	61	529		16		84			
Peak Hour Total		280	29	32	279		10		45			
11:30 AM		45	6	6	67		4		3			
11:45 AM		61	3	8	82		4		6			
12:00 PM		51	5	5	56		0		11			
12:15 PM		51	4	9	68		1		8			
12:30 PM		61	2	5	59		3		10			
12:45 PM		55	2	4	78		0		11			
1:00 PM		60	3	12	62		2		7			
1:15 PM		55	4	3	64		1		9			
Two Hour Total		439	29	52	536		15		65			
Peak Hour Total		227	11	30	267		6		36			
2:00 PM		48	6	13	56		5		11			
2:15 PM		52	4	5	78		2		8			
2:30 PM		55	3	13	75		0		10			
2:45 PM		32	10	10	30		1		11			
3:00 PM		72	1	19	81		11		18			
3:15 PM		54	5	12	93		2		12			
3:30 PM		62	5	9	80		1		8			
3:45 PM		57	3	6	96		3		8			
Two Hour Total		432	37	87	589		25		86			
Peak Hour Total		245	14	46	350		17		46			
4:00 PM		64	4	6	94		5		19			
4:15 PM		81	3	8	86		1		12			
4:30 PM		87	3	4	123		3		25			
4:45 PM		78	3	15	121		4		10			
5:00 PM		84	8	10	108		2		18			
5:15 PM		78	6	13	109		1		9			
5:30 PM		90	3	13	120		5		13			
5:45 PM		72	6	12	90		4		16			
Two Hour Total		634	36	81	851		25		122			
Peak Hour Total		327	20	42	461		10		62			

Denotes Peak Hour

Study Name Sharon at Troy - 2017-0504
 Start Date 05/04/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Sharon Road Eastbound			Sharon Road Westbound			Troy Avenue Northbound			Southbound Approach Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM	0	61	4	8	65	0	0	0	15	0	0	0
7:15 AM	0	54	10	8	44	0	1	0	10	0	0	0
7:30 AM	0	84	11	4	68	0	6	0	11	0	0	0
7:45 AM	0	91	17	6	95	0	4	0	11	0	0	0
8:00 AM	0	66	5	8	57	0	6	0	10	0	0	0
8:15 AM	0	48	4	2	59	0	6	0	9	0	0	0
8:30 AM	0	37	1	3	56	0	2	0	9	0	0	0
8:45 AM	0	32	1	11	68	0	4	0	9	0	0	0
Two Hour Total	0	473	53	50	512	0	29	0	84	0	0	0
Peak Hour Total	0	289	37	20	279	0	22	0	41	0	0	0
11:30 AM	0	48	3	3	72	0	4	0	3	0	0	0
11:45 AM	0	44	6	5	58	0	1	0	2	0	0	0
12:00 PM	0	43	1	5	67	0	4	0	7	0	0	0
12:15 PM	0	51	3	4	39	0	1	0	5	0	0	0
12:30 PM	0	49	6	4	67	0	2	0	7	0	0	0
12:45 PM	0	66	3	3	72	0	0	0	3	0	0	0
1:00 PM	0	54	3	4	63	0	4	0	5	0	0	0
1:15 PM	0	52	3	9	50	0	4	0	10	0	0	0
Two Hour Total	0	407	28	37	488	0	20	0	42	0	0	0
Peak Hour Total	0	221	15	20	252	0	10	0	25	0	0	0
2:00 PM	0	55	1	11	48	0	0	0	8	0	0	0
2:15 PM	0	52	7	10	91	0	4	0	3	0	0	0
2:30 PM	0	63	2	9	59	0	3	0	11	0	0	0
2:45 PM	0	71	10	10	46	0	4	0	16	0	0	0
3:00 PM	0	42	7	8	62	0	3	0	9	0	0	0
3:15 PM	0	67	3	10	68	0	1	1	9	0	0	0
3:30 PM	0	70	5	9	73	0	7	0	14	0	0	0
3:45 PM	0	61	6	13	81	0	2	0	9	0	0	0
Two Hour Total	0	481	41	80	528	0	24	1	79	0	0	0
Peak Hour Total	0	240	21	40	284	0	13	1	41	0	0	0
4:00 PM	0	70	4	10	85	0	3	0	10	0	0	0
4:15 PM	0	71	5	3	83	0	5	0	11	0	0	0
4:30 PM	0	77	4	9	124	0	5	0	17	0	0	0
4:45 PM	0	73	3	16	101	0	2	0	9	0	0	0
5:00 PM	0	79	4	8	102	0	1	0	7	0	0	0
5:15 PM	0	85	5	9	122	0	2	0	9	0	0	1
5:30 PM	0	78	6	8	107	0	7	0	8	0	0	0
5:45 PM	1	79	3	10	117	1	2	0	9	0	0	1
Two Hour Total	1	612	34	73	841	1	27	0	80	0	0	2
Peak Hour Total	0	314	16	42	449	0	10	0	42	0	0	1

Denotes Peak Hour

Study Name Sharon at Troy - 2017-0516
 Start Date 05/16/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Sharon Road Eastbound			Sharon Road Westbound			Troy Avenue Northbound			n/a Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM		62	5	5	78		3		12			
7:15 AM		52	7	12	57		2		8			
7:30 AM		75	18	11	65		8		11			
7:45 AM		93	22	4	78		8		9			
8:00 AM		71	10	5	70		15		16			
8:15 AM		53	7	6	78		2		6			
8:30 AM		47	3	5	74		7		11			
8:45 AM		47	4	3	73		3		16			
Two Hour Total		500	76	51	573		48		89			
Peak Hour Total		292	57	26	291		33		42			
11:30 AM		50	3	7	88		9		7			
11:45 AM		49	5	6	65		6		6			
12:00 PM		51	5	6	78		3		9			
12:15 PM		62	9	2	64		1		11			
12:30 PM		71	9	10	61		6		6			
12:45 PM		74	1	6	74		2		4			
1:00 PM		72	5	7	72		4		8			
1:15 PM		59	1	1	71		1		4			
Two Hour Total		488	38	45	573		32		55			
Peak Hour Total		279	24	25	271		13		29			
2:00 PM		67	7	7	50		3		10			
2:15 PM		66	8	7	76		5		8			
2:30 PM		64	7	12	66		5		9			
2:45 PM		78	12	8	68		19		14			
3:00 PM		69	5	22	77		17		11			
3:15 PM		54	4	10	92		8		8			
3:30 PM		63	3	10	82		5		13			
3:45 PM		75	5	7	78		7		7			
Two Hour Total		536	51	83	589		69		80			
Peak Hour Total		264	24	50	319		49		46			
4:00 PM		60	2	5	70		11		13			
4:15 PM		67	7	8	89		12		17			
4:30 PM		93	9	8	83		8		17			
4:45 PM		83	4	4	90		7		11			
5:00 PM		85	1	8	121		5		13			
5:15 PM		74	6	9	123		5		9			
5:30 PM		65	6	8	87		8		7			
5:45 PM		56	6	9	103		7		3			
Two Hour Total		583	41	59	766		63		90			
Peak Hour Total		335	20	29	417		25		50			

Denotes Peak Hour

Study Name Sharon at Troy - 2017-0517
 Start Date 05/17/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Sharon Road Eastbound			Sharon Road Westbound			Troy Avenue Northbound			n/a Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM		70	10	7	85		2		12			
7:15 AM		57	9	7	69		5		8			
7:30 AM		74	20	5	68		9		10			
7:45 AM		95	31	6	89		17		12			
8:00 AM		66	13	7	69		14		6			
8:15 AM		44	3	4	71		3		10			
8:30 AM		50	1	5	82		6		4			
8:45 AM		37	1	1	56		4		14			
Two Hour Total		493	88	42	589		60		76			
Peak Hour Total		296	70	25	311		33		42			
11:30 AM		65	4	5	69		2		8			
11:45 AM		41	5	6	65		2		4			
12:00 PM		50	4	4	80		2		7			
12:15 PM		63	6	5	62		4		6			
12:30 PM		65	4	3	57		4		11			
12:45 PM		51	4	5	84		6		5			
1:00 PM		55	2	4	71		5		7			
1:15 PM		64	6	6	62		6		14			
Two Hour Total		454	35	38	550		31		62			
Peak Hour Total		235	16	18	274		21		37			
2:00 PM		79	6	4	61		5		9			
2:15 PM		54	5	7	53		3		13			
2:30 PM		67	12	7	66		6		9			
2:45 PM		82	14	8	66		17		12			
3:00 PM		66	5	14	86		7		8			
3:15 PM		49	4	10	88		12		9			
3:30 PM		64	5	3	72		6		11			
3:45 PM		69	9	7	77		9		16			
Two Hour Total		530	60	60	569		65		87			
Peak Hour Total		264	35	39	306		42		38			
4:00 PM		56	5	7	88		10		17			
4:15 PM		74	1	6	91		12		10			
4:30 PM		76	4	3	78		3		14			
4:45 PM		106	7	12	117		5		13			
5:00 PM		81	6	9	105		4		18			
5:15 PM		79	2	13	116		3		8			
5:30 PM		74	5	11	105		7		8			
5:45 PM		66	11	4	92		6		5			
Two Hour Total		612	41	65	792		50		93			
Peak Hour Total		340	20	45	443		19		47			

Denotes Peak Hour

Study Name Oak at Troy - 2017-0503
 Start Date 05/03/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Oak Street Eastbound			Oak Street Westbound			n/a Northbound			Troy Avenue Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM	5	5			3	0				3		1
7:15 AM	3	4			3	0				7		2
7:30 AM	5	8			5	1				4		3
7:45 AM	5	14			2	0				7		3
8:00 AM	3	1			4	0				2		4
8:15 AM	1	2			4	1				5		2
8:30 AM	5	5			6	1				4		1
8:45 AM	9	1			4	0				0		0
Two Hour Total	36	40			31	3				32		16
Peak Hour Total	18	31			13	1				21		9
11:30 AM	2	2			7	1				0		2
11:45 AM	3	6			6	1				4		1
12:00 PM	5	5			6	4				2		1
12:15 PM	2	4			8	3				2		5
12:30 PM	7	10			5	3				3		3
12:45 PM	4	5			5	2				3		1
1:00 PM	5	5			5	1				2		2
1:15 PM	3	6			8	1				0		1
Two Hour Total	31	43			50	16				16		16
Peak Hour Total	17	25			25	11				11		10
2:00 PM	6	4			7	1				3		1
2:15 PM	4	6			5	0				2		3
2:30 PM	7	8			2	2				3		2
2:45 PM	5	8			9	6				5		2
3:00 PM	3	4			7	7				5		4
3:15 PM	7	3			4	2				1		6
3:30 PM	4	3			7	0				3		1
3:45 PM	7	4			6	3				1		1
Two Hour Total	43	40			47	21				23		20
Peak Hour Total	22	23			22	17				14		14
4:00 PM	12	4			7	1				3		1
4:15 PM	9	5			5	2				1		0
4:30 PM	19	4			12	5				2		1
4:45 PM	11	5			10	2				3		7
5:00 PM	13	5			12	4				3		8
5:15 PM	7	9			9	2				1		3
5:30 PM	7	3			14	3				0		3
5:45 PM	9	4			8	8				3		4
Two Hour Total	87	39			77	27				16		27
Peak Hour Total	50	23			43	13				9		19

Denotes Peak Hour

Study Name Oak at Troy - 2017-0517
 Start Date 05/17/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Oak Street Eastbound			Oak Street Westbound			n/a Northbound			Troy Avenue Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM	7	1			1	0				6		7
7:15 AM	4	10			0	0				7		8
7:30 AM	7	8			4	1				8		5
7:45 AM	10	17			5	0				4		18
8:00 AM	4	8			6	0				1		11
8:15 AM	5	4			2	1				4		4
8:30 AM	4	3			3	3				1		4
8:45 AM	9	7			1	1				0		2
Two Hour Total	50	58			22	6				31		59
Peak Hour Total	25	43			15	1				20		42
11:30 AM	5	7			2	2				2		2
11:45 AM	1	3			6	3				2		4
12:00 PM	10	3			4	0				0		11
12:15 PM	10	6			8	0				3		6
12:30 PM	5	6			3	5				3		4
12:45 PM	4	9			7	2				3		9
1:00 PM	9	4			5	4				0		4
1:15 PM	9	8			5	2				2		6
Two Hour Total	53	46			40	18				15		46
Peak Hour Total	29	24			22	7				9		30
2:00 PM	6	15			10	0				0		8
2:15 PM	12	9			4	2				1		6
2:30 PM	7	10			6	4				5		6
2:45 PM	9	12			3	1				2		13
3:00 PM	4	3			15	5				1		13
3:15 PM	11	2			6	1				0		12
3:30 PM	8	1			5	3				1		7
3:45 PM	17	4			7	3				2		6
Two Hour Total	74	56			56	19				12		71
Peak Hour Total	32	34			28	12				9		38
4:00 PM	14	8			5	1				0		12
4:15 PM	9	5			6	0				0		8
4:30 PM	11	4			7	2				2		7
4:45 PM	16	7			7	3				2		11
5:00 PM	18	6			8	1				4		10
5:15 PM	4	9			10	5				2		16
5:30 PM	9	4			14	2				1		9
5:45 PM	5	5			9	3				3		11
Two Hour Total	86	48			66	17				14		84
Peak Hour Total	47	26			39	11				9		46

Denotes Peak Hour

Study Name Sharon at Greenville - 2017-0504
 Start Date 05/04/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Sharon Road Eastbound			Sharon Road Westbound			Greenville Avenue Northbound			Greenville Avenue Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM	0	63	0	0	60	0	0	0	0	0	0	0
7:15 AM	0	63	0	2	46	0	0	0	0	0	0	0
7:30 AM	0	91	1	4	64	0	0	0	0	0	0	0
7:45 AM	0	106	1	1	87	0	0	1	0	0	0	0
8:00 AM	0	75	0	2	72	0	0	1	0	0	0	0
8:15 AM	0	53	1	6	61	2	0	0	0	0	0	0
8:30 AM	0	34	2	1	53	0	0	0	0	0	0	0
8:45 AM	0	39	3	3	69	0	0	0	0	0	0	0
Two Hour Total	0	524	8	19	512	2	0	2	0	0	0	0
Peak Hour Total	0	325	3	13	284	2	0	2	0	0	0	0
11:30 AM	0	51	3	7	67	0	0	0	0	0	1	0
11:45 AM	0	52	2	6	57	0	0	0	0	0	0	0
12:00 PM	0	46	3	4	63	0	0	0	0	0	0	0
12:15 PM	0	54	3	4	42	0	0	0	0	0	1	0
12:30 PM	0	55	5	9	54	1	0	0	0	0	0	0
12:45 PM	0	65	6	5	69	2	0	0	0	0	1	1
1:00 PM	1	59	5	4	57	2	0	0	0	0	0	0
1:15 PM	0	56	3	5	50	0	0	0	0	0	0	1
Two Hour Total	1	438	30	44	459	5	0	0	0	0	3	2
Peak Hour Total	1	235	19	23	230	5	0	0	0	0	1	2
2:00 PM	0	55	4	3	50	2	0	0	1	0	0	0
2:15 PM	0	58	5	6	84	1	0	0	1	0	1	1
2:30 PM	0	63	1	2	62	2	0	1	2	0	0	2
2:45 PM	0	82	1	3	47	3	0	0	2	0	0	0
3:00 PM	0	54	2	3	64	2	0	0	0	0	0	3
3:15 PM	0	58	1	4	57	0	0	0	0	0	0	1
3:30 PM	0	83	2	4	75	2	0	0	1	0	0	0
3:45 PM	0	66	1	1	82	1	0	0	0	0	0	0
Two Hour Total	0	519	17	26	521	13	0	1	7	0	1	7
Peak Hour Total	0	261	6	12	278	5	0	0	1	0	0	4
4:00 PM	0	74	5	3	86	0	1	0	2	0	0	0
4:15 PM	0	77	1	3	86	1	0	0	0	0	0	2
4:30 PM	0	80	2	9	104	1	0	0	1	0	0	1
4:45 PM	0	77	7	4	107	1	0	0	0	0	1	1
5:00 PM	0	83	6	3	102	0	0	1	1	0	0	0
5:15 PM	2	87	7	5	112	2	0	1	0	0	1	1
5:30 PM	1	91	6	4	106	1	0	0	1	0	3	2
5:45 PM	1	87	7	5	111	4	0	0	0	0	1	0
Two Hour Total	4	656	41	36	814	10	1	2	5	0	6	7
Peak Hour Total	4	348	26	17	431	7	0	2	2	0	5	3

Denotes Peak Hour

Study Name Sharon at Greenville - 2017-0516
 Start Date 05/16/2017
 Start Time 7:00 AM
 Site Code
 Project



Type Road
 Classification All Vehicles (no classification)

Start Time	Sharon Road Eastbound			Sharon Road Westbound			Greenville Avenue Northbound			Greenville Avenue Southbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
7:00 AM	0	68	0	1	79	0	0	0	0	0	0	0
7:15 AM	1	58	0	4	52	2	0	0	0	0	0	0
7:30 AM	0	92	2	2	68	2	0	0	0	0	0	0
7:45 AM	0	114	1	3	82	0	0	0	0	0	0	1
8:00 AM	0	76	4	5	81	0	0	0	0	0	0	1
8:15 AM	0	60	0	5	76	1	0	0	0	0	0	2
8:30 AM	0	49	0	4	74	0	0	0	0	0	1	0
8:45 AM	0	51	1	7	66	4	0	0	0	0	1	0
Two Hour Total	1	568	8	31	578	9	0	0	0	0	2	4
Peak Hour Total	0	342	7	15	307	3	0	0	0	0	0	4
11:30 AM	0	50	5	10	84	2	0	0	0	0	0	0
11:45 AM	0	54	3	10	61	1	1	0	0	0	1	0
12:00 PM	0	55	3	6	74	0	0	1	0	1	2	1
12:15 PM	0	71	2	6	58	2	0	0	0	0	0	0
12:30 PM	0	78	3	2	58	5	0	0	0	0	1	1
12:45 PM	0	72	1	1	68	2	0	0	0	0	0	0
1:00 PM	0	77	0	7	71	3	0	0	0	0	2	0
1:15 PM	0	69	2	3	69	0	0	0	0	0	1	1
Two Hour Total	0	526	19	45	543	15	1	1	0	1	7	3
Peak Hour Total	0	296	6	13	266	10	0	0	0	0	4	2
2:00 PM	0	71	3	5	48	0	0	0	0	0	0	1
2:15 PM	0	72	1	4	77	0	0	2	0	0	2	0
2:30 PM	1	73	1	3	64	0	0	0	0	0	0	0
2:45 PM	1	90	2	4	87	1	0	0	0	0	0	1
3:00 PM	0	71	5	5	85	3	0	0	0	0	0	1
3:15 PM	0	56	4	3	94	2	0	0	1	1	0	0
3:30 PM	0	63	0	6	77	3	0	1	1	0	0	0
3:45 PM	0	81	3	2	82	1	1	0	0	0	0	0
Two Hour Total	2	577	19	32	614	10	1	3	2	1	2	3
Peak Hour Total	1	280	11	18	343	9	0	1	2	1	0	2
4:00 PM	0	62	1	6	75	1	0	0	0	0	1	1
4:15 PM	2	74	1	7	93	0	0	1	0	0	0	0
4:30 PM	0	103	2	4	89	0	0	1	0	0	0	0
4:45 PM	0	84	1	3	95	1	0	0	0	0	0	2
5:00 PM	0	85	2	0	123	0	0	0	0	0	0	0
5:15 PM	0	83	1	8	117	2	0	0	0	0	0	0
5:30 PM	0	74	3	6	87	3	0	0	0	1	1	1
5:45 PM	0	62	1	2	107	1	0	1	0	0	1	0
Two Hour Total	2	627	12	36	786	8	0	3	0	1	3	4
Peak Hour Total	0	355	6	15	424	3	0	1	0	0	0	2

Denotes Peak Hour

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study AM (Blue Board) - 2017-0503

Site Code : 00066666

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	6:59:01 AM	6:59:03 AM	2
1	2	7:02:59 AM	7:03:00 AM	1
1	3	7:09:01 AM	7:09:02 AM	1
1	4	7:11:58 AM	7:12:00 AM	2
1	5	7:12:48 AM	7:12:49 AM	1
1	6	7:13:35 AM	7:13:37 AM	2
1	7	7:13:39 AM	7:14:43 AM	64
1	8	7:16:03 AM	7:16:06 AM	3
1	9	7:17:00 AM	7:17:01 AM	1
1	10	7:22:11 AM	7:22:14 AM	3
1	11	7:22:32 AM	7:22:34 AM	2
1	12	7:23:53 AM	7:23:54 AM	1
1	13	7:25:36 AM	7:25:40 AM	4
1	14	7:26:02 AM	7:26:04 AM	2
1	15	7:28:25 AM	7:28:26 AM	1
1	16	7:29:05 AM	7:29:29 AM	24
1	17	7:29:31 AM	7:29:33 AM	2
1	18	7:30:23 AM	7:30:25 AM	2
1	19	7:31:37 AM	7:31:39 AM	2
1	20	7:32:06 AM	7:32:08 AM	2
1	21	7:36:38 AM	7:36:42 AM	4
1	22	7:43:30 AM	7:43:32 AM	2
1	23	7:44:49 AM	7:45:32 AM	43
1	24	7:45:15 AM	7:47:54 AM	159
1	25	7:47:00 AM	7:48:04 AM	64
1	26	7:47:46 AM	7:48:11 AM	25
1	27	7:49:05 AM	7:49:08 AM	3
1	28	7:49:34 AM	7:49:37 AM	3
1	29	7:53:07 AM	7:53:20 AM	13
1	30	7:53:56 AM	7:53:58 AM	2
1	31	7:56:30 AM	7:56:32 AM	2
1	32	7:58:46 AM	7:58:50 AM	4
1	33	8:01:38 AM	8:01:40 AM	2
1	34	8:07:00 AM	8:07:03 AM	3
1	35	8:08:54 AM	8:08:57 AM	3
1	36	8:09:18 AM	8:09:21 AM	3
1	37	8:11:06 AM	8:11:08 AM	2
1	38	8:14:02 AM	8:14:05 AM	3
1	39	8:14:18 AM	8:14:20 AM	2
1	40	8:15:38 AM	8:15:40 AM	2
1	41	8:20:54 AM	8:20:56 AM	2
1	42	8:22:19 AM	8:22:20 AM	1
1	43	8:23:56 AM	8:23:58 AM	2
1	44	8:23:57 AM	8:24:02 AM	5
1	45	8:29:49 AM	8:29:52 AM	3
1	46	8:31:02 AM	8:31:03 AM	1
1	47	8:34:08 AM	8:34:10 AM	2
1	48	8:41:32 AM	8:41:36 AM	4

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study AM (Blue Board) - 2017-0503
Site Code : 00066666
Start Date : 5/3/2017
Page No : 2

Summary Information:

6:59:00 AM - 8:42:00 AM	Lane 1
Total Vehicle Count:	48
Delayed Vehicle Count:	48
Through Vehicle Count:	0
Average Stopped Time:	10.13
Maximum Stopped Time:	159
Min. Secs. for Delay:	0
Average Queue:	0.08
Queue Density:	1.23
Maximum Queue:	3
Delay in Vehicle Hour:	0.08
Total Delay:	486

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West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0503

Site Code : 00666666

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	1:58:01 PM	1:58:01 PM	0
1	2	1:59:11 PM	1:59:12 PM	1
1	3	2:00:09 PM	2:00:10 PM	1
1	4	2:00:38 PM	2:00:40 PM	2
1	5	2:05:26 PM	2:05:31 PM	5
1	6	2:09:36 PM	2:09:45 PM	9
1	7	2:09:38 PM	2:09:50 PM	12
1	8	2:09:40 PM	2:09:55 PM	15
1	9	2:16:19 PM	2:16:22 PM	3
1	10	2:20:49 PM	2:20:51 PM	2
1	11	2:21:31 PM	2:21:34 PM	3
1	12	2:22:22 PM	2:22:36 PM	14
1	13	2:23:44 PM	2:26:09 PM	145
1	14	2:28:30 PM	2:28:33 PM	3
1	15	2:33:16 PM	2:33:19 PM	3
1	16	2:33:48 PM	2:33:52 PM	4
1	17	2:41:11 PM	2:41:18 PM	7
1	18	2:42:56 PM	2:43:02 PM	6
1	19	2:43:55 PM	2:43:58 PM	3
1	20	2:44:44 PM	2:44:47 PM	3
1	21	2:45:04 PM	2:45:08 PM	4
1	22	2:48:08 PM	2:48:11 PM	3
1	23	2:48:58 PM	2:49:04 PM	6
1	24	2:51:17 PM	2:52:31 PM	74
1	25	2:52:28 PM	2:56:30 PM	242
1	26	2:58:09 PM	2:58:14 PM	5
1	27	3:03:45 PM	3:03:48 PM	3
1	28	3:04:21 PM	3:04:32 PM	11
1	29	3:05:19 PM	3:05:26 PM	7
1	30	3:06:37 PM	3:06:42 PM	5
1	31	3:06:46 PM	3:06:50 PM	4
1	32	3:06:54 PM	3:06:59 PM	5
1	33	3:11:02 PM	3:11:46 PM	44
1	34	3:12:31 PM	3:12:33 PM	2
1	35	3:12:37 PM	3:12:40 PM	3
1	36	3:13:07 PM	3:13:11 PM	4
1	37	3:13:08 PM	3:13:12 PM	4
1	38	3:13:39 PM	3:13:40 PM	1
1	39	3:13:48 PM	3:13:53 PM	5
1	40	3:14:12 PM	3:14:14 PM	2
1	41	3:19:58 PM	3:20:01 PM	3
1	42	3:25:16 PM	3:25:19 PM	3
1	43	3:31:55 PM	3:31:59 PM	4
1	44	3:36:28 PM	3:36:29 PM	1
1	45	3:37:48 PM	3:37:50 PM	2
1	46	3:43:36 PM	3:43:39 PM	3
1	47	3:57:44 PM	3:57:48 PM	4
1	48	4:05:49 PM	4:05:54 PM	5
1	49	4:08:22 PM	4:08:25 PM	3
1	50	4:09:37 PM	4:09:40 PM	3
1	51	4:12:06 PM	4:12:11 PM	5
1	52	4:15:24 PM	4:15:28 PM	4
1	53	4:28:35 PM	4:28:40 PM	5
1	54	4:40:16 PM	4:40:18 PM	2
1	55	4:42:03 PM	4:42:04 PM	1
1	56	4:44:46 PM	4:44:48 PM	2
1	57	4:46:06 PM	4:46:16 PM	10
1	58	4:47:45 PM	4:49:58 PM	133

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0503

Site Code : 00666666

Start Date : 5/3/2017

Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay	
1	59	4:48:24 PM	4:50:04 PM	100	
1	60	4:49:37 PM	4:50:14 PM	37	
1	61	4:51:13 PM	4:51:16 PM	3	
1	62	4:51:52 PM	4:51:57 PM	5	
1	63	4:53:57 PM	4:54:03 PM	6	
1	64	4:56:01 PM	4:56:03 PM	2	
1	65	4:57:56 PM	4:57:58 PM	2	
1	66	5:00:32 PM	5:00:34 PM	2	
1	67	5:00:48 PM	5:00:51 PM	3	
1	68	5:02:28 PM	5:03:38 PM	70	
1	69	5:02:48 PM	5:03:47 PM	59	
1	70	5:02:49 PM	5:03:54 PM	65	
1	71	5:03:36 PM	5:04:00 PM	24	
1	72	5:04:13 PM	5:04:14 PM	1	
1	73	5:04:28 PM	5:04:31 PM	3	
1	74	5:07:00 PM	5:07:02 PM	2	
1	75	5:07:24 PM	5:07:26 PM	2	
1	76	5:10:22 PM	5:10:24 PM	2	
1	77	5:14:31 PM	5:14:33 PM	2	
1	78	5:15:25 PM	5:15:27 PM	2	
1	79	5:16:02 PM	5:16:05 PM	3	
1	80	5:24:18 PM	5:24:20 PM	2	
1	81	5:29:34 PM	5:29:37 PM	3	
1	82	5:36:36 PM	5:36:43 PM	7	
1	83	5:41:14 PM	5:41:15 PM	1	
1	84	5:43:08 PM	5:43:12 PM	4	
1	85	5:44:08 PM	5:44:13 PM	5	
1	86	5:46:15 PM	5:46:18 PM	3	
1	87	5:49:10 PM	5:49:32 PM	22	
1	88	5:49:28 PM	5:51:46 PM	138	
1	89	5:56:04 PM	5:56:07 PM	3	

Summary Information:

1:58:00 PM - 5:57:00 PM	Lane 1
Total Vehicle Count:	89
Delayed Vehicle Count:	89
Through Vehicle Count:	0
Average Stopped Time:	16.30
Maximum Stopped Time:	242
Min. Secs. for Delay:	0
Average Queue:	0.10
Queue Density:	1.23
Maximum Queue:	4
Delay in Vehicle Hour:	0.10
Total Delay:	1451

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6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study AM (Blue Board) - 2017-0517

Site Code : 00003333

Start Date : 5/17/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	6:59:01 AM	6:59:01 AM	0
1	2	6:59:10 AM	6:59:12 AM	2
1	3	7:02:37 AM	7:02:39 AM	2
1	4	7:02:42 AM	7:02:44 AM	2
1	5	7:05:38 AM	7:05:40 AM	2
1	6	7:07:01 AM	7:07:13 AM	12
1	7	7:07:24 AM	7:07:27 AM	3
1	8	7:08:41 AM	7:08:42 AM	1
1	9	7:09:58 AM	7:10:00 AM	2
1	10	7:10:36 AM	7:10:37 AM	1
1	11	7:10:38 AM	7:10:42 AM	4
1	12	7:11:26 AM	7:11:29 AM	3
1	13	7:13:04 AM	7:13:05 AM	1
1	14	7:14:07 AM	7:14:09 AM	2
1	15	7:18:51 AM	7:18:53 AM	2
1	16	7:19:52 AM	7:19:56 AM	4
1	17	7:20:53 AM	7:20:58 AM	5
1	18	7:20:55 AM	7:21:11 AM	16
1	19	7:21:07 AM	7:21:13 AM	6
1	20	7:22:14 AM	7:22:18 AM	4
1	21	7:23:33 AM	7:23:34 AM	1
1	22	7:23:58 AM	7:23:59 AM	1
1	23	7:24:52 AM	7:24:53 AM	1
1	24	7:25:39 AM	7:25:39 AM	0
1	25	7:26:16 AM	7:26:17 AM	1
1	26	7:27:30 AM	7:27:31 AM	1
1	27	7:28:07 AM	7:28:08 AM	1
1	28	7:28:23 AM	7:28:25 AM	2
1	29	7:28:42 AM	7:28:43 AM	1
1	30	7:30:44 AM	7:30:45 AM	1
1	31	7:31:05 AM	7:31:06 AM	1
1	32	7:33:03 AM	7:33:04 AM	1
1	33	7:33:29 AM	7:33:32 AM	3
1	34	7:34:15 AM	7:34:16 AM	1
1	35	7:37:17 AM	7:37:19 AM	2
1	36	7:37:37 AM	7:37:40 AM	3
1	37	7:39:23 AM	7:39:24 AM	1
1	38	7:40:26 AM	7:40:34 AM	8
1	39	7:40:52 AM	7:40:54 AM	2
1	40	7:41:08 AM	7:41:10 AM	2
1	41	7:43:09 AM	7:43:12 AM	3
1	42	7:44:12 AM	7:44:14 AM	2
1	43	7:45:20 AM	7:45:23 AM	3
1	44	7:46:56 AM	7:46:58 AM	2
1	45	7:47:04 AM	7:47:06 AM	2
1	46	7:47:21 AM	7:47:32 AM	11
1	47	7:47:42 AM	7:47:43 AM	1
1	48	7:48:24 AM	7:48:25 AM	1
1	49	7:49:59 AM	7:49:59 AM	0
1	50	7:50:04 AM	7:50:06 AM	2
1	51	7:50:09 AM	7:50:11 AM	2
1	52	7:50:54 AM	7:50:56 AM	2
1	53	7:51:04 AM	7:51:06 AM	2
1	54	7:53:06 AM	7:53:28 AM	22
1	55	7:53:26 AM	7:53:34 AM	8
1	56	7:53:43 AM	7:53:46 AM	3
1	57	7:53:53 AM	7:53:55 AM	2
1	58	7:54:06 AM	7:54:09 AM	3

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6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study AM (Blue Board) - 2017-0517

Site Code : 00003333

Start Date : 5/17/2017

Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay	
1	59	7:54:49 AM	7:54:52 AM	3	
1	60	7:54:53 AM	7:54:55 AM	2	
1	61	7:55:08 AM	7:55:11 AM	3	
1	62	7:55:54 AM	7:55:56 AM	2	
1	63	7:57:42 AM	7:57:43 AM	1	
1	64	7:59:13 AM	7:59:14 AM	1	
1	65	8:01:10 AM	8:01:12 AM	2	
1	66	8:01:29 AM	8:01:32 AM	3	
1	67	8:03:23 AM	8:03:33 AM	10	
1	68	8:03:30 AM	8:03:37 AM	7	
1	69	8:04:57 AM	8:04:58 AM	1	
1	70	8:05:59 AM	8:06:01 AM	2	
1	71	8:06:03 AM	8:06:04 AM	1	
1	72	8:07:59 AM	8:08:02 AM	3	
1	73	8:08:18 AM	8:08:20 AM	2	
1	74	8:09:05 AM	8:09:07 AM	2	
1	75	8:09:47 AM	8:09:52 AM	5	
1	76	8:10:34 AM	8:10:35 AM	1	
1	77	8:14:18 AM	8:14:19 AM	1	
1	78	8:15:56 AM	8:15:58 AM	2	
1	79	8:19:29 AM	8:19:30 AM	1	
1	80	8:19:51 AM	8:19:53 AM	2	
1	81	8:22:15 AM	8:22:16 AM	1	
1	82	8:22:39 AM	8:22:40 AM	1	
1	83	8:22:45 AM	8:22:46 AM	1	
1	84	8:27:52 AM	8:27:54 AM	2	
1	85	8:30:21 AM	8:30:23 AM	2	
1	86	8:34:56 AM	8:34:58 AM	2	
1	87	8:35:27 AM	8:35:29 AM	2	
1	88	8:38:50 AM	8:38:53 AM	3	
1	89	8:42:41 AM	8:42:43 AM	2	
1	90	8:44:38 AM	8:44:40 AM	2	
1	91	8:45:58 AM	8:46:01 AM	3	

Summary Information:

6:59:00 AM - 8:47:00 AM	Lane 1
Total Vehicle Count:	91
Delayed Vehicle Count:	91
Through Vehicle Count:	0
Average Stopped Time:	2.82
Maximum Stopped Time:	22
Min. Secs. for Delay:	0
Average Queue:	0.04
Queue Density:	1.05
Maximum Queue:	2
Delay in Vehicle Hour:	0.04
Total Delay:	257

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0517

Site Code : 56743278

Start Date : 5/17/2017

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L n.	No.	Joined Queue	Released From Queue	Delay	
1	1	1:57:01 PM	1:57:27 PM	26	
1	2	1:58:35 PM	1:58:36 PM	1	
1	3	1:59:29 PM	1:59:29 PM	0	
1	4	2:01:08 PM	2:01:11 PM	3	
1	5	2:02:52 PM	2:02:53 PM	1	
1	6	2:05:34 PM	2:05:35 PM	1	
1	7	2:08:07 PM	2:08:09 PM	2	
1	8	2:08:19 PM	2:08:21 PM	2	
1	9	2:08:22 PM	2:08:26 PM	4	
1	10	2:08:31 PM	2:08:32 PM	1	
1	11	2:14:07 PM	2:14:08 PM	1	
1	12	2:14:39 PM	2:14:40 PM	1	
1	13	2:14:53 PM	2:14:54 PM	1	
1	14	2:16:16 PM	2:16:18 PM	2	
1	15	2:18:26 PM	2:18:27 PM	1	
1	16	2:19:10 PM	2:19:11 PM	1	
1	17	2:28:20 PM	2:28:21 PM	1	
1	18	2:29:11 PM	2:29:13 PM	2	
1	19	2:29:18 PM	2:29:19 PM	1	
1	20	2:30:37 PM	2:30:37 PM	0	
1	21	2:30:52 PM	2:30:53 PM	1	
1	22	2:31:20 PM	2:31:21 PM	1	
1	23	2:32:43 PM	2:32:44 PM	1	
1	24	2:34:43 PM	2:34:45 PM	2	
1	25	2:34:54 PM	2:34:55 PM	1	
1	26	2:36:34 PM	2:36:35 PM	1	
1	27	2:40:52 PM	2:40:54 PM	2	
1	28	2:41:46 PM	2:41:47 PM	1	
1	29	2:45:19 PM	2:45:19 PM	0	
1	30	2:45:36 PM	2:45:38 PM	2	
1	31	2:49:03 PM	2:49:04 PM	1	
1	32	2:50:30 PM	2:50:33 PM	3	
1	33	2:51:30 PM	2:51:31 PM	1	
1	34	2:51:53 PM	2:51:54 PM	1	
1	35	2:53:29 PM	2:53:30 PM	1	
1	36	2:53:45 PM	2:53:47 PM	2	
1	37	2:54:34 PM	2:54:35 PM	1	
1	38	2:55:16 PM	2:55:17 PM	1	
1	39	2:55:50 PM	2:55:51 PM	1	
1	40	2:56:49 PM	2:57:09 PM	20	
1	41	2:57:04 PM	2:57:20 PM	16	
1	42	2:57:39 PM	2:57:40 PM	1	
1	43	2:58:28 PM	2:58:29 PM	1	
1	44	2:59:10 PM	2:59:26 PM	16	
1	45	2:59:15 PM	2:59:30 PM	15	
1	46	2:59:27 PM	2:59:37 PM	10	
1	47	3:02:57 PM	3:02:58 PM	1	
1	48	3:04:56 PM	3:04:57 PM	1	
1	49	3:08:03 PM	3:09:03 PM	60	
1	50	3:08:34 PM	3:09:43 PM	69	
1	51	3:09:03 PM	3:10:00 PM	57	
1	52	3:09:34 PM	3:10:09 PM	35	
1	53	3:10:16 PM	3:10:19 PM	3	
1	54	3:10:25 PM	3:10:26 PM	1	
1	55	3:10:45 PM	3:10:56 PM	11	
1	56	3:12:01 PM	3:12:02 PM	1	
1	57	3:13:43 PM	3:13:47 PM	4	
1	58	3:14:19 PM	3:14:20 PM	1	

The Kleingers Group

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All Delays

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0517

Site Code : 56743278

Start Date : 5/17/2017

Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay
1	59	3:14:45 PM	3:14:45 PM	0
1	60	3:15:41 PM	3:15:41 PM	0
1	61	3:16:12 PM	3:16:13 PM	1
1	62	3:16:20 PM	3:16:23 PM	3
1	63	3:19:15 PM	3:19:16 PM	1
1	64	3:22:12 PM	3:22:16 PM	4
1	65	3:23:44 PM	3:23:45 PM	1
1	66	3:24:47 PM	3:24:47 PM	0
1	67	3:25:37 PM	3:25:39 PM	2
1	68	3:26:51 PM	3:26:53 PM	2
1	69	3:27:19 PM	3:27:20 PM	1
1	70	3:29:12 PM	3:29:13 PM	1
1	71	3:30:16 PM	3:30:17 PM	1
1	72	3:31:35 PM	3:32:30 PM	55
1	73	3:34:23 PM	3:34:24 PM	1
1	74	3:36:23 PM	3:36:25 PM	2
1	75	3:39:25 PM	3:39:28 PM	3
1	76	3:39:32 PM	3:39:48 PM	16
1	77	3:40:31 PM	3:40:32 PM	1
1	78	3:45:55 PM	3:45:57 PM	2
1	79	3:46:59 PM	3:47:00 PM	1
1	80	3:47:26 PM	3:47:28 PM	2
1	81	3:48:57 PM	3:48:58 PM	1
1	82	3:49:17 PM	3:49:17 PM	0
1	83	3:49:44 PM	3:49:45 PM	1
1	84	3:53:51 PM	3:53:52 PM	1
1	85	3:54:07 PM	3:54:08 PM	1
1	86	3:59:49 PM	3:59:50 PM	1
1	87	4:01:38 PM	4:01:39 PM	1
1	88	4:03:14 PM	4:03:16 PM	2
1	89	4:06:40 PM	4:06:53 PM	13
1	90	4:09:41 PM	4:09:42 PM	1
1	91	4:10:21 PM	4:10:25 PM	4
1	92	4:10:29 PM	4:10:33 PM	4
1	93	4:11:42 PM	4:11:43 PM	1
1	94	4:12:40 PM	4:12:48 PM	8
1	95	4:12:41 PM	4:12:51 PM	10
1	96	4:13:44 PM	4:13:45 PM	1
1	97	4:13:48 PM	4:13:49 PM	1
1	98	4:15:08 PM	4:15:10 PM	2
1	99	4:18:58 PM	4:18:59 PM	1
1	100	4:22:12 PM	4:22:13 PM	1
1	101	4:23:06 PM	4:23:07 PM	1
1	102	4:24:49 PM	4:24:50 PM	1
1	103	4:25:16 PM	4:25:16 PM	0
1	104	4:29:35 PM	4:29:36 PM	1
1	105	4:29:40 PM	4:29:41 PM	1
1	106	4:32:19 PM	4:32:20 PM	1
1	107	4:34:41 PM	4:34:43 PM	2
1	108	4:40:32 PM	4:40:49 PM	17
1	109	4:41:49 PM	4:41:50 PM	1
1	110	4:42:02 PM	4:43:59 PM	117
1	111	4:42:17 PM	4:44:06 PM	109
1	112	4:43:17 PM	4:44:11 PM	54
1	113	4:44:37 PM	4:44:40 PM	3
1	114	4:45:57 PM	4:45:59 PM	2
1	115	4:48:52 PM	4:48:52 PM	0
1	116	4:50:14 PM	4:50:15 PM	1
1	117	4:53:11 PM	4:53:13 PM	2
1	118	4:53:18 PM	4:53:19 PM	1

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All Delays

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L n.	No.	Joined Queue	Released From Queue	Delay
1	119	4:53:24 PM	4:53:24 PM	0
1	120	4:53:43 PM	4:53:44 PM	1
1	121	4:53:48 PM	4:53:49 PM	1
1	122	4:55:09 PM	4:55:09 PM	0
1	123	4:58:05 PM	4:58:07 PM	2
1	124	4:58:10 PM	4:58:13 PM	3
1	125	4:58:34 PM	4:58:35 PM	1
1	126	4:59:18 PM	4:59:20 PM	2
1	127	5:00:16 PM	5:00:17 PM	1
1	128	5:00:33 PM	5:00:34 PM	1
1	129	5:01:29 PM	5:01:35 PM	6
1	130	5:02:56 PM	5:02:58 PM	2
1	131	5:06:49 PM	5:06:50 PM	1
1	132	5:09:05 PM	5:09:06 PM	1
1	133	5:09:51 PM	5:09:52 PM	1
1	134	5:10:00 PM	5:10:01 PM	1
1	135	5:10:29 PM	5:10:33 PM	4
1	136	5:11:25 PM	5:11:26 PM	1
1	137	5:12:14 PM	5:12:15 PM	1
1	138	5:12:47 PM	5:12:47 PM	0
1	139	5:13:48 PM	5:13:49 PM	1
1	140	5:14:42 PM	5:14:43 PM	1
1	141	5:14:46 PM	5:14:47 PM	1
1	142	5:14:48 PM	5:14:49 PM	1
1	143	5:15:29 PM	5:15:30 PM	1
1	144	5:15:31 PM	5:15:32 PM	1
1	145	5:15:45 PM	5:15:47 PM	2
1	146	5:15:51 PM	5:15:55 PM	4
1	147	5:16:02 PM	5:16:03 PM	1
1	148	5:17:57 PM	5:18:40 PM	43
1	149	5:19:17 PM	5:19:18 PM	1
1	150	5:20:38 PM	5:20:41 PM	3
1	151	5:21:00 PM	5:21:02 PM	2
1	152	5:22:28 PM	5:22:28 PM	0
1	153	5:23:50 PM	5:25:52 PM	122
1	154	5:25:06 PM	5:25:59 PM	53
1	155	5:25:53 PM	5:26:03 PM	10
1	156	5:26:19 PM	5:26:20 PM	1
1	157	5:27:55 PM	5:27:58 PM	3
1	158	5:30:18 PM	5:30:20 PM	2
1	159	5:31:37 PM	5:31:38 PM	1
1	160	5:33:03 PM	5:33:04 PM	1
1	161	5:33:59 PM	5:34:01 PM	2
1	162	5:35:02 PM	5:35:03 PM	1
1	163	5:35:53 PM	5:35:54 PM	1
1	164	5:36:01 PM	5:36:02 PM	1
1	165	5:38:43 PM	5:38:46 PM	3
1	166	5:38:45 PM	5:38:49 PM	4
1	167	5:41:06 PM	5:41:07 PM	1
1	168	5:43:08 PM	5:45:27 PM	139
1	169	5:44:19 PM	5:45:31 PM	72
1	170	5:44:32 PM	5:45:34 PM	62
1	171	5:45:01 PM	5:45:38 PM	37
1	172	5:45:58 PM	5:46:00 PM	2
1	173	5:46:27 PM	5:46:29 PM	2
1	174	5:48:38 PM	5:48:39 PM	1
1	175	5:52:33 PM	5:52:34 PM	1
1	176	5:53:30 PM	5:53:33 PM	3
1	177	5:53:47 PM	5:53:49 PM	2
1	178	5:55:16 PM	5:55:23 PM	7

The Kleingers Group

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All Delays

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0517
Site Code : 56743278
Start Date : 5/17/2017
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L n.	No.	Joined Queue	Released From Queue	Delay
1	179	5:55:24 PM	5:55:25 PM	1
1	180	5:56:25 PM	5:56:27 PM	2
1	181	5:56:26 PM	5:56:33 PM	7

Summary Information:

1:57:00 PM - 5:57:00 PM	Lane 1
Total Vehicle Count:	181
Delayed Vehicle Count:	181
Through Vehicle Count:	0
Average Stopped Time:	8.31
Maximum Stopped Time:	139
Min. Secs. for Delay:	0
Average Queue:	0.10
Queue Density:	1.48
Maximum Queue:	4
Delay in Vehicle Hour:	0.10
Total Delay:	1504

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All Delays

File Name : Sharon at Troy Delay Study AM (Orange Board)- 2017-0503

Site Code : 11111111

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	7:03:01 AM	7:03:06 AM	5
1	2	7:03:10 AM	7:03:11 AM	1
1	3	7:07:10 AM	7:07:12 AM	2
1	4	7:07:27 AM	7:07:30 AM	3
1	5	7:07:34 AM	7:07:37 AM	3
1	6	7:07:41 AM	7:07:51 AM	10
1	7	7:08:29 AM	7:08:33 AM	4
1	8	7:09:30 AM	7:09:33 AM	3
1	9	7:09:40 AM	7:09:48 AM	8
1	10	7:10:36 AM	7:10:38 AM	2
1	11	7:11:02 AM	7:11:06 AM	4
1	12	7:11:11 AM	7:11:14 AM	3
1	13	7:11:27 AM	7:11:29 AM	2
1	14	7:14:36 AM	7:14:40 AM	4
1	15	7:14:41 AM	7:14:45 AM	4
1	16	7:14:52 AM	7:14:53 AM	1
1	17	7:16:30 AM	7:16:33 AM	3
1	18	7:21:06 AM	7:21:07 AM	1
1	19	7:24:20 AM	7:24:21 AM	1
1	20	7:24:38 AM	7:24:47 AM	9
1	21	7:26:37 AM	7:26:46 AM	9
1	22	7:27:02 AM	7:27:04 AM	2
1	23	7:27:07 AM	7:27:08 AM	1
1	24	7:27:38 AM	7:27:40 AM	2
1	25	7:27:49 AM	7:27:52 AM	3
1	26	7:28:32 AM	7:28:40 AM	8
1	27	7:29:43 AM	7:29:47 AM	4
1	28	7:31:01 AM	7:31:02 AM	1
1	29	7:33:57 AM	7:33:59 AM	2
1	30	7:36:08 AM	7:36:10 AM	2
1	31	7:39:35 AM	7:39:54 AM	19
1	32	7:41:15 AM	7:41:23 AM	8
1	33	7:41:52 AM	7:41:53 AM	1
1	34	7:43:23 AM	7:43:51 AM	28
1	35	7:44:09 AM	7:44:17 AM	8
1	36	7:44:16 AM	7:44:20 AM	4
1	37	7:44:31 AM	7:45:05 AM	34
1	38	7:45:16 AM	7:45:18 AM	2
1	39	7:47:02 AM	7:47:05 AM	3
1	40	7:48:06 AM	7:49:07 AM	61
1	41	7:48:28 AM	7:51:36 AM	188
1	42	7:49:01 AM	7:51:42 AM	161
1	43	7:52:55 AM	7:53:11 AM	16
1	44	7:52:56 AM	7:53:13 AM	17
1	45	7:53:01 AM	7:53:16 AM	15
1	46	7:53:24 AM	7:53:37 AM	13
1	47	7:53:27 AM	7:54:12 AM	45
1	48	7:53:30 AM	7:54:15 AM	45
1	49	7:54:20 AM	7:54:26 AM	6
1	50	7:55:49 AM	7:55:55 AM	6
1	51	7:56:56 AM	7:57:00 AM	4
1	52	7:57:29 AM	7:57:33 AM	4
1	53	7:57:39 AM	7:57:44 AM	5
1	54	7:59:48 AM	7:59:52 AM	4
1	55	8:01:12 AM	8:01:13 AM	1
1	56	8:01:15 AM	8:01:16 AM	1
1	57	8:01:45 AM	8:02:13 AM	28
1	58	8:02:51 AM	8:03:13 AM	22

The Kleingers Group

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All Delays

File Name : Sharon at Troy Delay Study AM (Orange Board)- 2017-0503

Site Code : 11111111

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Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay
1	59	8:03:40 AM	8:03:42 AM	2
1	60	8:03:41 AM	8:03:43 AM	2
1	61	8:05:38 AM	8:05:55 AM	17
1	62	8:07:01 AM	8:07:03 AM	2
1	63	8:08:14 AM	8:08:17 AM	3
1	64	8:09:25 AM	8:09:31 AM	6
1	65	8:09:53 AM	8:09:54 AM	1
1	66	8:10:39 AM	8:10:42 AM	3
1	67	8:11:08 AM	8:11:12 AM	4
1	68	8:12:22 AM	8:12:30 AM	8
1	69	8:12:47 AM	8:12:49 AM	2
1	70	8:14:15 AM	8:14:20 AM	5
1	71	8:15:00 AM	8:15:17 AM	17
1	72	8:23:33 AM	8:23:35 AM	2
1	73	8:23:51 AM	8:23:58 AM	7
1	74	8:24:37 AM	8:24:40 AM	3
1	75	8:27:18 AM	8:27:27 AM	9
1	76	8:28:41 AM	8:28:45 AM	4
1	77	8:31:56 AM	8:32:16 AM	20
1	78	8:36:01 AM	8:36:29 AM	28
1	79	8:36:45 AM	8:36:46 AM	1
1	80	8:37:29 AM	8:37:35 AM	6
1	81	8:39:44 AM	8:39:49 AM	5
1	82	8:40:00 AM	8:40:04 AM	4
1	83	8:40:24 AM	8:40:25 AM	1
1	84	8:41:32 AM	8:41:39 AM	7
1	85	8:46:01 AM	8:46:03 AM	2
1	86	8:46:21 AM	8:46:23 AM	2
1	87	8:47:07 AM	8:47:08 AM	1
1	88	8:47:41 AM	8:47:45 AM	4
1	89	8:51:13 AM	8:51:15 AM	2
1	90	8:53:43 AM	8:53:49 AM	6
1	91	8:54:51 AM	8:54:53 AM	2
1	92	8:54:55 AM	8:54:58 AM	3
1	93	8:55:01 AM	8:55:06 AM	5
1	94	8:55:26 AM	8:55:36 AM	10
1	95	8:57:31 AM	8:57:32 AM	1
1	96	8:57:37 AM	8:57:38 AM	1
1	97	8:58:06 AM	8:58:08 AM	2
1	98	8:58:56 AM	8:58:58 AM	2
1	99	9:01:08 AM	9:01:11 AM	3
1	100	9:01:27 AM	9:01:29 AM	2
1	101	9:01:44 AM	9:01:45 AM	1

Summary Information:

7:03:00 AM - 9:02:00 AM	Lane 1
Total Vehicle Count:	101
Delayed Vehicle Count:	101
Through Vehicle Count:	0
Average Stopped Time:	10.63
Maximum Stopped Time:	188
Min. Secs. for Delay:	0
Average Queue:	0.15
Queue Density:	1.34
Maximum Queue:	3
Delay in Vehicle Hour:	0.15
Total Delay:	1074

The Kleingers Group

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All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0503

Site Code : 11111112

Start Date : 5/3/2017

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L n.	No.	Joined Queue	Released From Queue	Delay	
1	1	2:05:16 PM	2:05:31 PM	15	
1	2	2:07:23 PM	2:07:28 PM	5	
1	3	2:08:21 PM	2:08:24 PM	3	
1	4	2:10:06 PM	2:10:16 PM	10	
1	5	2:10:29 PM	2:10:32 PM	3	
1	6	2:12:11 PM	2:12:21 PM	10	
1	7	2:12:24 PM	2:12:31 PM	7	
1	8	2:12:27 PM	2:12:36 PM	9	
1	9	2:12:33 PM	2:12:41 PM	8	
1	10	2:12:52 PM	2:12:57 PM	5	
1	11	2:15:03 PM	2:15:10 PM	7	
1	12	2:15:07 PM	2:15:16 PM	9	
1	13	2:16:08 PM	2:16:09 PM	1	
1	14	2:17:15 PM	2:17:21 PM	6	
1	15	2:17:35 PM	2:17:36 PM	1	
1	16	2:18:56 PM	2:19:05 PM	9	
1	17	2:21:04 PM	2:21:11 PM	7	
1	18	2:21:36 PM	2:21:39 PM	3	
1	19	2:22:13 PM	2:22:16 PM	3	
1	20	2:22:38 PM	2:22:40 PM	2	
1	21	2:24:12 PM	2:24:16 PM	4	
1	22	2:24:54 PM	2:25:00 PM	6	
1	23	2:26:43 PM	2:27:01 PM	18	
1	24	2:27:07 PM	2:27:26 PM	19	
1	25	2:30:50 PM	2:31:10 PM	20	
1	26	2:33:20 PM	2:33:24 PM	4	
1	27	2:34:59 PM	2:35:03 PM	4	
1	28	2:39:04 PM	2:39:05 PM	1	
1	29	2:39:19 PM	2:39:21 PM	2	
1	30	2:39:20 PM	2:39:29 PM	9	
1	31	2:41:39 PM	2:41:42 PM	3	
1	32	2:41:52 PM	2:41:55 PM	3	
1	33	2:45:09 PM	2:45:11 PM	2	
1	34	2:45:53 PM	2:46:09 PM	16	
1	35	2:50:33 PM	2:50:45 PM	12	
1	36	2:51:09 PM	2:51:11 PM	2	
1	37	2:52:29 PM	2:52:34 PM	5	
1	38	2:54:45 PM	2:54:53 PM	8	
1	39	2:54:50 PM	2:54:56 PM	6	
1	40	2:57:14 PM	2:57:18 PM	4	
1	41	2:57:26 PM	2:57:27 PM	1	
1	42	2:58:19 PM	2:58:23 PM	4	
1	43	2:59:44 PM	2:59:47 PM	3	
1	44	3:03:31 PM	3:03:35 PM	4	
1	45	3:03:41 PM	3:03:42 PM	1	
1	46	3:03:50 PM	3:03:54 PM	4	
1	47	3:04:25 PM	3:04:51 PM	26	
1	48	3:04:26 PM	3:06:11 PM	105	
1	49	3:04:27 PM	3:06:16 PM	109	
1	50	3:04:49 PM	3:06:32 PM	103	
1	51	3:05:11 PM	3:06:36 PM	85	
1	52	3:05:14 PM	3:06:40 PM	86	
1	53	3:05:28 PM	3:06:47 PM	79	
1	54	3:05:37 PM	3:06:52 PM	75	
1	55	3:05:40 PM	3:07:09 PM	89	
1	56	3:06:01 PM	3:07:15 PM	74	
1	57	3:06:41 PM	3:07:18 PM	37	
1	58	3:06:51 PM	3:07:26 PM	35	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0503

Site Code : 11111112

Start Date : 5/3/2017

Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay	
1	59	3:07:04 PM	3:07:39 PM	35	
1	60	3:07:07 PM	3:07:44 PM	37	
1	61	3:08:18 PM	3:08:26 PM	8	
1	62	3:08:36 PM	3:08:42 PM	6	
1	63	3:08:43 PM	3:08:52 PM	9	
1	64	3:09:12 PM	3:09:21 PM	9	
1	65	3:10:32 PM	3:10:47 PM	15	
1	66	3:10:34 PM	3:12:04 PM	90	
1	67	3:12:07 PM	3:12:10 PM	3	
1	68	3:12:13 PM	3:12:17 PM	4	
1	69	3:13:16 PM	3:13:20 PM	4	
1	70	3:13:18 PM	3:13:23 PM	5	
1	71	3:14:07 PM	3:14:15 PM	8	
1	72	3:16:08 PM	3:16:11 PM	3	
1	73	3:16:39 PM	3:16:41 PM	2	
1	74	3:17:46 PM	3:17:48 PM	2	
1	75	3:19:43 PM	3:19:57 PM	14	
1	76	3:19:45 PM	3:20:07 PM	22	
1	77	3:21:34 PM	3:21:48 PM	14	
1	78	3:22:39 PM	3:22:41 PM	2	
1	79	3:24:06 PM	3:24:13 PM	7	
1	80	3:24:21 PM	3:24:23 PM	2	
1	81	3:25:43 PM	3:25:46 PM	3	
1	82	3:28:12 PM	3:28:16 PM	4	
1	83	3:29:02 PM	3:29:10 PM	8	
1	84	3:29:27 PM	3:29:28 PM	1	
1	85	3:30:03 PM	3:30:08 PM	5	
1	86	3:30:13 PM	3:30:15 PM	2	
1	87	3:33:28 PM	3:33:30 PM	2	
1	88	3:33:50 PM	3:33:52 PM	2	
1	89	3:34:07 PM	3:34:10 PM	3	
1	90	3:34:09 PM	3:34:13 PM	4	
1	91	3:36:30 PM	3:36:33 PM	3	
1	92	3:40:32 PM	3:40:40 PM	8	
1	93	3:40:37 PM	3:40:50 PM	13	
1	94	3:43:46 PM	3:43:52 PM	6	
1	95	3:45:43 PM	3:45:58 PM	15	
1	96	3:45:54 PM	3:46:08 PM	14	
1	97	3:46:10 PM	3:46:16 PM	6	
1	98	3:47:42 PM	3:47:44 PM	2	
1	99	3:49:03 PM	3:49:57 PM	54	
1	100	3:49:11 PM	3:50:02 PM	51	
1	101	3:53:59 PM	3:54:04 PM	5	
1	102	3:57:57 PM	3:58:49 PM	52	
1	103	3:58:26 PM	3:59:02 PM	36	
1	104	3:58:30 PM	3:59:08 PM	38	
1	105	3:59:16 PM	3:59:16 PM	0	
1	106	4:00:27 PM	4:00:29 PM	2	
1	107	4:00:48 PM	4:00:52 PM	4	
1	108	4:00:53 PM	4:00:55 PM	2	
1	109	4:02:06 PM	4:02:09 PM	3	
1	110	4:02:09 PM	4:02:13 PM	4	
1	111	4:04:26 PM	4:04:28 PM	2	
1	112	4:04:37 PM	4:04:46 PM	9	
1	113	4:04:53 PM	4:04:55 PM	2	
1	114	4:05:27 PM	4:05:32 PM	5	
1	115	4:05:30 PM	4:05:35 PM	5	
1	116	4:05:33 PM	4:05:42 PM	9	
1	117	4:08:08 PM	4:08:55 PM	47	
1	118	4:08:32 PM	4:09:28 PM	56	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0503

Site Code : 11111112

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Page No : 3

L n.	No.	Joined Queue	Released From Queue	Delay
1	119	4:09:56 PM	4:09:57 PM	1
1	120	4:10:38 PM	4:10:40 PM	2
1	121	4:10:48 PM	4:10:55 PM	7
1	122	4:11:44 PM	4:11:50 PM	6
1	123	4:13:01 PM	4:13:09 PM	8
1	124	4:13:02 PM	4:13:13 PM	11
1	125	4:13:02 PM	4:13:15 PM	13
1	126	4:13:25 PM	4:13:36 PM	11
1	127	4:14:09 PM	4:14:14 PM	5
1	128	4:14:18 PM	4:14:21 PM	3
1	129	4:14:23 PM	4:14:27 PM	4
1	130	4:14:52 PM	4:15:09 PM	17
1	131	4:14:55 PM	4:15:13 PM	18
1	132	4:15:48 PM	4:15:50 PM	2
1	133	4:17:48 PM	4:17:52 PM	4
1	134	4:18:49 PM	4:18:52 PM	3
1	135	4:21:44 PM	4:21:48 PM	4
1	136	4:21:47 PM	4:22:04 PM	17
1	137	4:25:23 PM	4:25:27 PM	4
1	138	4:25:30 PM	4:25:32 PM	2
1	139	4:25:35 PM	4:25:38 PM	3
1	140	4:26:27 PM	4:26:30 PM	3
1	141	4:27:53 PM	4:28:01 PM	8
1	142	4:29:02 PM	4:29:38 PM	36
1	143	4:31:16 PM	4:31:18 PM	2
1	144	4:31:21 PM	4:31:27 PM	6
1	145	4:32:04 PM	4:32:23 PM	19
1	146	4:32:07 PM	4:32:29 PM	22
1	147	4:33:19 PM	4:33:21 PM	2
1	148	4:34:38 PM	4:34:40 PM	2
1	149	4:34:54 PM	4:34:55 PM	1
1	150	4:35:19 PM	4:35:21 PM	2
1	151	4:35:25 PM	4:35:34 PM	9
1	152	4:35:29 PM	4:35:39 PM	10
1	153	4:35:34 PM	4:35:44 PM	10
1	154	4:35:45 PM	4:35:47 PM	2
1	155	4:36:17 PM	4:36:20 PM	3
1	156	4:36:29 PM	4:36:34 PM	5
1	157	4:36:31 PM	4:36:38 PM	7
1	158	4:36:32 PM	4:36:53 PM	21
1	159	4:36:33 PM	4:36:59 PM	26
1	160	4:36:40 PM	4:37:04 PM	24
1	161	4:36:52 PM	4:37:12 PM	20
1	162	4:37:31 PM	4:37:37 PM	6
1	163	4:37:39 PM	4:37:43 PM	4
1	164	4:37:54 PM	4:38:12 PM	18
1	165	4:38:01 PM	4:38:16 PM	15
1	166	4:40:11 PM	4:40:13 PM	2
1	167	4:40:22 PM	4:40:26 PM	4
1	168	4:41:12 PM	4:41:17 PM	5
1	169	4:42:23 PM	4:42:32 PM	9
1	170	4:43:01 PM	4:43:03 PM	2
1	171	4:43:17 PM	4:43:29 PM	12
1	172	4:44:09 PM	4:44:12 PM	3
1	173	4:44:13 PM	4:44:15 PM	2
1	174	4:44:20 PM	4:44:22 PM	2
1	175	4:45:44 PM	4:45:48 PM	4
1	176	4:52:55 PM	4:53:07 PM	12
1	177	4:53:05 PM	4:53:12 PM	7
1	178	4:53:11 PM	4:53:19 PM	8

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0503

Site Code : 11111112

Start Date : 5/3/2017

Page No : 4

L n.	No.	Joined Queue	Released From Queue	Delay	
1	179	4:56:43 PM	4:56:49 PM	6	
1	180	4:56:59 PM	4:57:07 PM	8	
1	181	4:57:02 PM	4:57:31 PM	29	
1	182	4:57:24 PM	4:57:38 PM	14	
1	183	4:57:30 PM	4:57:59 PM	29	
1	184	4:59:24 PM	4:59:31 PM	7	
1	185	4:59:42 PM	4:59:44 PM	2	
1	186	5:00:05 PM	5:00:08 PM	3	
1	187	5:02:52 PM	5:02:54 PM	2	
1	188	5:03:13 PM	5:03:19 PM	6	
1	189	5:03:24 PM	5:03:26 PM	2	
1	190	5:04:56 PM	5:05:01 PM	5	
1	191	5:05:50 PM	5:05:53 PM	3	
1	192	5:06:02 PM	5:06:09 PM	7	
1	193	5:07:05 PM	5:07:07 PM	2	
1	194	5:07:25 PM	5:07:28 PM	3	
1	195	5:08:13 PM	5:08:15 PM	2	
1	196	5:10:32 PM	5:10:34 PM	2	
1	197	5:11:04 PM	5:11:09 PM	5	
1	198	5:11:24 PM	5:11:30 PM	6	
1	199	5:11:52 PM	5:11:58 PM	6	
1	200	5:13:23 PM	5:13:31 PM	8	
1	201	5:13:35 PM	5:14:19 PM	44	
1	202	5:14:24 PM	5:14:29 PM	5	
1	203	5:15:09 PM	5:15:16 PM	7	
1	204	5:15:20 PM	5:15:35 PM	15	
1	205	5:16:46 PM	5:16:50 PM	4	
1	206	5:17:09 PM	5:17:12 PM	3	
1	207	5:17:34 PM	5:17:43 PM	9	
1	208	5:18:21 PM	5:18:23 PM	2	
1	209	5:18:49 PM	5:19:00 PM	11	
1	210	5:19:43 PM	5:19:49 PM	6	
1	211	5:21:55 PM	5:21:56 PM	1	
1	212	5:22:03 PM	5:22:04 PM	1	
1	213	5:23:40 PM	5:23:43 PM	3	
1	214	5:26:22 PM	5:26:24 PM	2	
1	215	5:27:12 PM	5:27:16 PM	4	
1	216	5:27:48 PM	5:27:58 PM	10	
1	217	5:30:17 PM	5:30:19 PM	2	
1	218	5:31:25 PM	5:31:28 PM	3	
1	219	5:34:22 PM	5:34:24 PM	2	
1	220	5:34:28 PM	5:34:35 PM	7	
1	221	5:35:08 PM	5:35:11 PM	3	
1	222	5:36:08 PM	5:36:16 PM	8	
1	223	5:38:41 PM	5:38:55 PM	14	
1	224	5:42:50 PM	5:42:59 PM	9	
1	225	5:43:15 PM	5:43:18 PM	3	
1	226	5:45:19 PM	5:45:21 PM	2	
1	227	5:45:22 PM	5:45:41 PM	19	
1	228	5:45:28 PM	5:45:50 PM	22	
1	229	5:46:21 PM	5:46:22 PM	1	
1	230	5:46:25 PM	5:46:27 PM	2	
1	231	5:46:44 PM	5:46:47 PM	3	
1	232	5:46:55 PM	5:46:58 PM	3	
1	233	5:47:53 PM	5:47:56 PM	3	
1	234	5:48:24 PM	5:48:26 PM	2	
1	235	5:48:29 PM	5:48:32 PM	3	
1	236	5:48:48 PM	5:48:54 PM	6	
1	237	5:50:53 PM	5:50:57 PM	4	
1	238	5:51:18 PM	5:51:21 PM	3	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0503
Site Code : 11111112
Start Date : 5/3/2017
Page No : 5

L n.	No.	Joined Queue	Released From Queue	Delay
1	239	5:52:21 PM	5:52:28 PM	7
1	240	5:52:44 PM	5:52:49 PM	5
1	241	5:54:11 PM	5:54:17 PM	6
1	242	5:54:22 PM	5:54:24 PM	2
1	243	5:54:32 PM	5:54:34 PM	2
1	244	5:56:13 PM	5:56:16 PM	3
1	245	5:57:22 PM	5:57:24 PM	2
1	246	5:58:57 PM	5:59:04 PM	7
1	247	5:59:00 PM	5:59:59 PM	59
1	248	6:00:08 PM	6:00:12 PM	4
1	249	6:00:23 PM	6:00:26 PM	3
2	1	2:05:01 PM	2:05:01 PM	0

Summary Information:

2:05:00 PM - 6:01:00 PM	Lane 1	Lane 2
Total Vehicle Count:	249	1
Delayed Vehicle Count:	249	1
Through Vehicle Count:	0	0
Average Stopped Time:	12.00	0.000
Maximum Stopped Time:	109	0
Min. Secs. for Delay:	0	0
Average Queue:	0.21	0.000
Queue Density:	1.60	0.000
Maximum Queue:	9	0
Delay in Vehicle Hour:	0.21	0.00
Total Delay:	2987	0

The Kleingers Group

6305 Centre Park Drive
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All Delays

File Name : Sharon at Troy Delay Study AM (Orange Board) - 2017-0517

Site Code : 77777777

Start Date : 5/17/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	1	7:04:00 AM	7:04:02 AM	2	
1	2	7:06:51 AM	7:06:52 AM	1	
1	3	7:07:53 AM	7:07:54 AM	1	
1	4	7:08:22 AM	7:08:23 AM	1	
1	5	7:08:29 AM	7:08:30 AM	1	
1	6	7:12:04 AM	7:12:06 AM	2	
1	7	7:13:02 AM	7:13:11 AM	9	
1	8	7:13:55 AM	7:14:10 AM	15	
1	9	7:14:34 AM	7:14:37 AM	3	
1	10	7:14:51 AM	7:14:52 AM	1	
1	11	7:15:12 AM	7:15:13 AM	1	
1	12	7:16:03 AM	7:16:06 AM	3	
1	13	7:16:19 AM	7:16:22 AM	3	
1	14	7:18:53 AM	7:18:54 AM	1	
1	15	7:19:09 AM	7:19:16 AM	7	
1	16	7:21:14 AM	7:21:16 AM	2	
1	17	7:21:34 AM	7:21:36 AM	2	
1	18	7:22:31 AM	7:22:33 AM	2	
1	19	7:24:04 AM	7:24:30 AM	26	
1	20	7:24:27 AM	7:24:40 AM	13	
1	21	7:25:28 AM	7:25:39 AM	11	
1	22	7:25:57 AM	7:25:58 AM	1	
1	23	7:27:38 AM	7:27:40 AM	2	
1	24	7:28:52 AM	7:29:01 AM	9	
1	25	7:29:51 AM	7:29:53 AM	2	
1	26	7:29:56 AM	7:29:59 AM	3	
1	27	7:30:23 AM	7:30:26 AM	3	
1	28	7:34:26 AM	7:34:29 AM	3	
1	29	7:35:03 AM	7:35:05 AM	2	
1	30	7:35:11 AM	7:35:42 AM	31	
1	31	7:35:47 AM	7:35:48 AM	1	
1	32	7:35:51 AM	7:35:53 AM	2	
1	33	7:36:33 AM	7:36:34 AM	1	
1	34	7:37:28 AM	7:37:30 AM	2	
1	35	7:37:54 AM	7:38:05 AM	11	
1	36	7:38:37 AM	7:38:41 AM	4	
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1	38	7:42:17 AM	7:42:20 AM	3	
1	39	7:42:23 AM	7:42:25 AM	2	
1	40	7:43:39 AM	7:43:55 AM	16	
1	41	7:44:18 AM	7:44:19 AM	1	
1	42	7:46:37 AM	7:46:58 AM	21	
1	43	7:46:40 AM	7:47:04 AM	24	
1	44	7:46:42 AM	7:47:08 AM	26	
1	45	7:47:14 AM	7:47:30 AM	16	
1	46	7:49:10 AM	7:49:13 AM	3	
1	47	7:49:18 AM	7:49:26 AM	8	
1	48	7:49:28 AM	7:49:33 AM	5	
1	49	7:49:47 AM	7:49:56 AM	9	
1	50	7:50:41 AM	7:50:43 AM	2	
1	51	7:50:57 AM	7:51:04 AM	7	
1	52	7:52:52 AM	7:52:53 AM	1	
1	53	7:53:30 AM	7:54:24 AM	54	
1	54	7:53:43 AM	7:54:29 AM	46	
1	55	7:54:08 AM	7:54:51 AM	43	
1	56	7:55:29 AM	7:55:44 AM	15	
1	57	7:55:35 AM	7:55:49 AM	14	
1	58	7:56:09 AM	7:56:15 AM	6	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study AM (Orange Board) - 2017-0517

Site Code : 77777777

Start Date : 5/17/2017

Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay	
1	59	7:56:11 AM	7:56:56 AM	45	
1	60	7:56:20 AM	7:57:09 AM	49	
1	61	7:56:23 AM	7:57:14 AM	51	
1	62	7:56:27 AM	7:57:18 AM	51	
1	63	7:57:24 AM	7:57:37 AM	13	
1	64	7:57:40 AM	7:57:41 AM	1	
1	65	7:57:59 AM	7:58:04 AM	5	
1	66	7:58:49 AM	7:58:51 AM	2	
1	67	7:58:57 AM	7:58:58 AM	1	
1	68	7:59:18 AM	7:59:20 AM	2	
1	69	7:59:26 AM	7:59:28 AM	2	
1	70	8:00:06 AM	8:00:06 AM	0	
1	71	8:00:24 AM	8:00:25 AM	1	
1	72	8:00:29 AM	8:00:30 AM	1	
1	73	8:01:26 AM	8:01:40 AM	14	
1	74	8:02:39 AM	8:02:41 AM	2	
1	75	8:03:50 AM	8:03:53 AM	3	
1	76	8:03:58 AM	8:04:00 AM	2	
1	77	8:05:39 AM	8:05:41 AM	2	
1	78	8:05:56 AM	8:05:58 AM	2	
1	79	8:06:58 AM	8:07:00 AM	2	
1	80	8:07:09 AM	8:07:16 AM	7	
1	81	8:07:14 AM	8:07:36 AM	22	
1	82	8:07:15 AM	8:07:54 AM	39	
1	83	8:07:37 AM	8:08:23 AM	46	
1	84	8:07:52 AM	8:08:34 AM	42	
1	85	8:08:18 AM	8:08:41 AM	23	
1	86	8:09:40 AM	8:09:47 AM	7	
1	87	8:09:47 AM	8:09:56 AM	9	
1	88	8:10:42 AM	8:11:18 AM	36	
1	89	8:10:45 AM	8:11:26 AM	41	
1	90	8:12:58 AM	8:12:59 AM	1	
1	91	8:14:23 AM	8:14:27 AM	4	
1	92	8:16:30 AM	8:16:33 AM	3	
1	93	8:16:38 AM	8:16:53 AM	15	
1	94	8:16:53 AM	8:16:58 AM	5	
1	95	8:19:14 AM	8:19:16 AM	2	
1	96	8:19:26 AM	8:19:28 AM	2	
1	97	8:21:36 AM	8:21:37 AM	1	
1	98	8:22:44 AM	8:22:46 AM	2	
1	99	8:22:57 AM	8:22:59 AM	2	
1	100	8:23:07 AM	8:23:10 AM	3	
1	101	8:23:23 AM	8:23:24 AM	1	
1	102	8:23:40 AM	8:23:51 AM	11	
1	103	8:24:09 AM	8:24:12 AM	3	
1	104	8:26:20 AM	8:26:22 AM	2	
1	105	8:31:04 AM	8:31:09 AM	5	
1	106	8:32:19 AM	8:32:20 AM	1	
1	107	8:33:18 AM	8:33:21 AM	3	
1	108	8:33:30 AM	8:33:32 AM	2	
1	109	8:33:58 AM	8:34:01 AM	3	
1	110	8:34:46 AM	8:34:48 AM	2	
1	111	8:36:35 AM	8:36:37 AM	2	
1	112	8:37:42 AM	8:38:02 AM	20	
1	113	8:39:18 AM	8:39:21 AM	3	
1	114	8:40:56 AM	8:41:01 AM	5	
1	115	8:42:16 AM	8:42:19 AM	3	
1	116	8:42:25 AM	8:42:31 AM	6	
1	117	8:44:14 AM	8:44:17 AM	3	
1	118	8:47:56 AM	8:47:58 AM	2	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study AM (Orange Board) - 2017-0517
Site Code : 77777777
Start Date : 5/17/2017
Page No : 3

L n.	No.	Joined Queue	Released From Queue	Delay	
1	119	8:48:06 AM	8:48:08 AM	2	
1	120	8:50:00 AM	8:50:03 AM	3	
1	121	8:51:34 AM	8:51:36 AM	2	
1	122	8:52:26 AM	8:52:28 AM	2	
1	123	8:52:59 AM	8:53:01 AM	2	
1	124	8:53:14 AM	8:53:22 AM	8	
1	125	8:54:24 AM	8:54:36 AM	12	
1	126	8:55:20 AM	8:55:22 AM	2	
1	127	8:55:31 AM	8:55:34 AM	3	
1	128	8:57:42 AM	8:57:45 AM	3	
1	129	8:58:01 AM	8:58:06 AM	5	
1	130	8:58:10 AM	8:58:17 AM	7	
1	131	8:59:05 AM	8:59:07 AM	2	
1	132	9:00:44 AM	9:00:46 AM	2	
1	133	9:02:29 AM	9:02:33 AM	4	

Summary Information:

7:04:00 AM - 9:03:00 AM	Lane 1
Total Vehicle Count:	133
Delayed Vehicle Count:	133
Through Vehicle Count:	0
Average Stopped Time:	9.07
Maximum Stopped Time:	54
Min. Secs. for Delay:	0
Average Queue:	0.17
Queue Density:	1.44
Maximum Queue:	4
Delay in Vehicle Hour:	0.17
Total Delay:	1206

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517

Site Code : 00099999

Start Date : 5/17/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	2:05:01 PM	2:06:56 PM	115
1	2	2:07:39 PM	2:07:41 PM	2
1	3	2:09:06 PM	2:09:10 PM	4
1	4	2:10:53 PM	2:10:55 PM	2
1	5	2:11:49 PM	2:11:52 PM	3
1	6	2:11:51 PM	2:12:06 PM	15
1	7	2:15:22 PM	2:15:24 PM	2
1	8	2:15:41 PM	2:15:43 PM	2
1	9	2:16:17 PM	2:16:21 PM	4
1	10	2:17:13 PM	2:17:24 PM	11
1	11	2:17:16 PM	2:17:28 PM	12
1	12	2:17:58 PM	2:18:01 PM	3
1	13	2:18:19 PM	2:18:22 PM	3
1	14	2:19:04 PM	2:19:16 PM	12
1	15	2:20:14 PM	2:20:16 PM	2
1	16	2:20:43 PM	2:20:45 PM	2
1	17	2:21:29 PM	2:21:30 PM	1
1	18	2:23:07 PM	2:23:08 PM	1
1	19	2:23:13 PM	2:23:16 PM	3
1	20	2:24:28 PM	2:24:34 PM	6
1	21	2:25:37 PM	2:25:38 PM	1
1	22	2:26:59 PM	2:27:00 PM	1
1	23	2:27:02 PM	2:27:12 PM	10
1	24	2:28:08 PM	2:28:11 PM	3
1	25	2:28:40 PM	2:28:43 PM	3
1	26	2:29:11 PM	2:29:13 PM	2
1	27	2:30:08 PM	2:30:10 PM	2
1	28	2:31:17 PM	2:31:33 PM	16
1	29	2:31:34 PM	2:31:43 PM	9
1	30	2:35:02 PM	2:35:10 PM	8
1	31	2:36:48 PM	2:36:49 PM	1
1	32	2:36:54 PM	2:37:05 PM	11
1	33	2:37:31 PM	2:37:36 PM	5
1	34	2:37:43 PM	2:37:45 PM	2
1	35	2:38:29 PM	2:38:38 PM	9
1	36	2:39:13 PM	2:39:16 PM	3
1	37	2:39:31 PM	2:39:41 PM	10
1	38	2:39:37 PM	2:39:46 PM	9
1	39	2:40:04 PM	2:40:12 PM	8
1	40	2:42:54 PM	2:43:03 PM	9
1	41	2:42:56 PM	2:43:10 PM	14
1	42	2:45:19 PM	2:45:24 PM	5
1	43	2:45:32 PM	2:45:41 PM	9
1	44	2:47:41 PM	2:47:42 PM	1
1	45	2:47:52 PM	2:47:53 PM	1
1	46	2:51:35 PM	2:51:49 PM	14
1	47	2:52:12 PM	2:52:16 PM	4
1	48	2:53:52 PM	2:53:56 PM	4
1	49	2:54:51 PM	2:54:53 PM	2
1	50	2:54:55 PM	2:55:07 PM	12
1	51	2:58:06 PM	2:58:11 PM	5
1	52	2:58:29 PM	2:58:32 PM	3
1	53	2:58:35 PM	2:59:08 PM	33
1	54	2:58:43 PM	2:59:14 PM	31
1	55	2:59:44 PM	3:00:02 PM	18
1	56	2:59:52 PM	3:00:05 PM	13
1	57	3:00:07 PM	3:00:11 PM	4
1	58	3:00:36 PM	3:00:41 PM	5

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517

Site Code : 00099999

Start Date : 5/17/2017

Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay	
1	59	3:00:55 PM	3:01:15 PM	20	
1	60	3:01:16 PM	3:01:19 PM	3	
1	61	3:01:51 PM	3:03:00 PM	69	
1	62	3:02:18 PM	3:03:09 PM	51	
1	63	3:02:27 PM	3:03:14 PM	47	
1	64	3:02:31 PM	3:03:18 PM	47	
1	65	3:02:38 PM	3:03:24 PM	46	
1	66	3:02:58 PM	3:03:33 PM	35	
1	67	3:03:02 PM	3:03:53 PM	51	
1	68	3:04:29 PM	3:04:40 PM	11	
1	69	3:04:31 PM	3:04:51 PM	20	
1	70	3:04:37 PM	3:04:55 PM	18	
1	71	3:04:43 PM	3:04:59 PM	16	
1	72	3:04:48 PM	3:05:06 PM	18	
1	73	3:04:53 PM	3:05:10 PM	17	
1	74	3:05:02 PM	3:05:13 PM	11	
1	75	3:05:07 PM	3:05:22 PM	15	
1	76	3:05:09 PM	3:05:26 PM	17	
1	77	3:05:39 PM	3:05:42 PM	3	
1	78	3:07:31 PM	3:07:46 PM	15	
1	79	3:07:57 PM	3:08:00 PM	3	
1	80	3:08:13 PM	3:08:27 PM	14	
1	81	3:08:15 PM	3:08:32 PM	17	
1	82	3:08:39 PM	3:08:52 PM	13	
1	83	3:08:49 PM	3:08:56 PM	7	
1	84	3:08:52 PM	3:09:07 PM	15	
1	85	3:09:03 PM	3:09:11 PM	8	
1	86	3:13:19 PM	3:13:21 PM	2	
1	87	3:14:35 PM	3:14:36 PM	1	
1	88	3:16:19 PM	3:18:56 PM	157	
1	89	3:17:59 PM	3:18:59 PM	60	
1	90	3:19:56 PM	3:20:14 PM	18	
1	91	3:19:59 PM	3:20:20 PM	21	
1	92	3:20:06 PM	3:20:52 PM	46	
1	93	3:20:28 PM	3:20:56 PM	28	
1	94	3:21:03 PM	3:21:50 PM	47	
1	95	3:22:23 PM	3:22:30 PM	7	
1	96	3:22:26 PM	3:22:38 PM	12	
1	97	3:22:33 PM	3:22:51 PM	18	
1	98	3:23:15 PM	3:23:17 PM	2	
1	99	3:23:27 PM	3:23:29 PM	2	
1	100	3:24:18 PM	3:24:21 PM	3	
1	101	3:24:23 PM	3:24:30 PM	7	
1	102	3:25:08 PM	3:25:11 PM	3	
1	103	3:26:12 PM	3:26:15 PM	3	
1	104	3:27:10 PM	3:27:16 PM	6	
1	105	3:27:14 PM	3:27:27 PM	13	
1	106	3:29:53 PM	3:29:56 PM	3	
1	107	3:31:15 PM	3:31:18 PM	3	
1	108	3:31:33 PM	3:31:37 PM	4	
1	109	3:31:48 PM	3:32:13 PM	25	
1	110	3:34:34 PM	3:34:46 PM	12	
1	111	3:36:00 PM	3:36:02 PM	2	
1	112	3:36:33 PM	3:36:35 PM	2	
1	113	3:37:52 PM	3:37:53 PM	1	
1	114	3:37:59 PM	3:38:04 PM	5	
1	115	3:38:02 PM	3:38:10 PM	8	
1	116	3:38:06 PM	3:40:23 PM	137	
1	117	3:39:37 PM	3:40:31 PM	54	
1	118	3:40:06 PM	3:40:37 PM	31	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517

Site Code : 00099999

Start Date : 5/17/2017

Page No : 3

L n.	No.	Joined Queue	Released From Queue	Delay
1	119	3:43:20 PM	3:43:22 PM	2
1	120	3:44:48 PM	3:44:50 PM	2
1	121	3:45:48 PM	3:45:51 PM	3
1	122	3:45:53 PM	3:45:55 PM	2
1	123	3:47:23 PM	3:47:27 PM	4
1	124	3:47:35 PM	3:47:37 PM	2
1	125	3:48:13 PM	3:48:15 PM	2
1	126	3:49:19 PM	3:49:24 PM	5
1	127	3:49:34 PM	3:49:37 PM	3
1	128	3:50:08 PM	3:50:29 PM	21
1	129	3:50:47 PM	3:50:54 PM	7
1	130	3:53:19 PM	3:54:01 PM	42
1	131	3:53:27 PM	3:54:03 PM	36
1	132	3:55:35 PM	3:55:37 PM	2
1	133	3:55:53 PM	3:55:55 PM	2
1	134	3:56:16 PM	3:56:24 PM	8
1	135	3:57:02 PM	3:57:05 PM	3
1	136	3:57:08 PM	3:57:11 PM	3
1	137	3:58:43 PM	3:59:18 PM	35
1	138	3:59:31 PM	3:59:37 PM	6
1	139	3:59:35 PM	3:59:42 PM	7
1	140	4:00:10 PM	4:00:12 PM	2
1	141	4:00:42 PM	4:00:44 PM	2
1	142	4:01:27 PM	4:01:31 PM	4
1	143	4:02:18 PM	4:02:34 PM	16
1	144	4:02:45 PM	4:02:48 PM	3
1	145	4:02:47 PM	4:02:51 PM	4
1	146	4:03:14 PM	4:03:16 PM	2
1	147	4:03:23 PM	4:03:25 PM	2
1	148	4:03:29 PM	4:03:32 PM	3
1	149	4:04:24 PM	4:04:26 PM	2
1	150	4:04:49 PM	4:04:51 PM	2
1	151	4:05:05 PM	4:05:13 PM	8
1	152	4:05:12 PM	4:05:15 PM	3
1	153	4:05:36 PM	4:05:42 PM	6
1	154	4:06:05 PM	4:06:12 PM	7
1	155	4:06:08 PM	4:06:14 PM	6
1	156	4:06:13 PM	4:06:35 PM	22
1	157	4:06:16 PM	4:06:42 PM	26
1	158	4:06:29 PM	4:06:45 PM	16
1	159	4:08:15 PM	4:08:16 PM	1
1	160	4:08:32 PM	4:08:52 PM	20
1	161	4:08:49 PM	4:08:58 PM	9
1	162	4:08:55 PM	4:09:02 PM	7
1	163	4:09:37 PM	4:09:38 PM	1
1	164	4:09:47 PM	4:09:51 PM	4
1	165	4:10:57 PM	4:11:15 PM	18
1	166	4:11:38 PM	4:11:45 PM	7
1	167	4:12:11 PM	4:12:14 PM	3
1	168	4:12:16 PM	4:12:19 PM	3
1	169	4:13:17 PM	4:13:20 PM	3
1	170	4:13:21 PM	4:13:23 PM	2
1	171	4:14:00 PM	4:14:02 PM	2
1	172	4:14:56 PM	4:14:58 PM	2
1	173	4:15:24 PM	4:15:26 PM	2
1	174	4:15:54 PM	4:16:00 PM	6
1	175	4:16:34 PM	4:16:39 PM	5
1	176	4:16:45 PM	4:16:58 PM	13
1	177	4:17:04 PM	4:17:17 PM	13
1	178	4:17:27 PM	4:17:30 PM	3

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517

Site Code : 00099999

Start Date : 5/17/2017

Page No : 4

L n.	No.	Joined Queue	Released From Queue	Delay	
1	179	4:19:51 PM	4:20:01 PM	10	
1	180	4:21:13 PM	4:21:19 PM	6	
1	181	4:21:16 PM	4:21:33 PM	17	
1	182	4:21:18 PM	4:21:38 PM	20	
1	183	4:21:21 PM	4:21:50 PM	29	
1	184	4:21:24 PM	4:21:54 PM	30	
1	185	4:21:57 PM	4:22:02 PM	5	
1	186	4:22:29 PM	4:22:30 PM	1	
1	187	4:23:41 PM	4:23:45 PM	4	
1	188	4:23:45 PM	4:23:50 PM	5	
1	189	4:24:27 PM	4:24:44 PM	17	
1	190	4:24:31 PM	4:24:49 PM	18	
1	191	4:24:45 PM	4:24:57 PM	12	
1	192	4:25:22 PM	4:25:24 PM	2	
1	193	4:26:23 PM	4:26:24 PM	1	
1	194	4:26:39 PM	4:26:40 PM	1	
1	195	4:28:02 PM	4:28:04 PM	2	
1	196	4:28:12 PM	4:28:27 PM	15	
1	197	4:28:16 PM	4:28:31 PM	15	
1	198	4:31:08 PM	4:31:09 PM	1	
1	199	4:33:41 PM	4:34:08 PM	27	
1	200	4:34:28 PM	4:34:32 PM	4	
1	201	4:34:32 PM	4:34:50 PM	18	
1	202	4:35:44 PM	4:35:47 PM	3	
1	203	4:36:10 PM	4:36:12 PM	2	
1	204	4:36:21 PM	4:36:22 PM	1	
1	205	4:36:24 PM	4:36:28 PM	4	
1	206	4:37:58 PM	4:38:08 PM	10	
1	207	4:40:57 PM	4:41:01 PM	4	
1	208	4:41:26 PM	4:41:28 PM	2	
1	209	4:41:34 PM	4:41:45 PM	11	
1	210	4:41:37 PM	4:42:04 PM	27	
1	211	4:43:06 PM	4:43:07 PM	1	
1	212	4:43:23 PM	4:43:29 PM	6	
1	213	4:43:29 PM	4:43:31 PM	2	
1	214	4:44:09 PM	4:44:11 PM	2	
1	215	4:45:27 PM	4:45:30 PM	3	
1	216	4:45:53 PM	4:45:54 PM	1	
1	217	4:45:55 PM	4:45:57 PM	2	
1	218	4:47:58 PM	4:47:59 PM	1	
1	219	4:52:05 PM	4:52:10 PM	5	
1	220	4:52:06 PM	4:52:20 PM	14	
1	221	4:52:23 PM	4:52:29 PM	6	
1	222	4:53:41 PM	4:53:51 PM	10	
1	223	4:54:24 PM	4:54:26 PM	2	
1	224	4:55:16 PM	4:55:23 PM	7	
1	225	4:55:28 PM	4:55:30 PM	2	
1	226	4:55:42 PM	4:55:50 PM	8	
1	227	4:56:08 PM	4:56:10 PM	2	
1	228	4:57:05 PM	4:57:11 PM	6	
1	229	4:59:25 PM	4:59:27 PM	2	
1	230	5:00:26 PM	5:00:28 PM	2	
1	231	5:01:47 PM	5:01:47 PM	0	
1	232	5:02:00 PM	5:02:17 PM	17	
1	233	5:02:02 PM	5:02:22 PM	20	
1	234	5:02:23 PM	5:02:26 PM	3	
1	235	5:02:49 PM	5:03:01 PM	12	
1	236	5:03:03 PM	5:03:07 PM	4	
1	237	5:03:05 PM	5:03:12 PM	7	
1	238	5:03:11 PM	5:03:17 PM	6	

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517

Site Code : 00099999

Start Date : 5/17/2017

Page No : 5

L n.	No.	Joined Queue	Released From Queue	Delay
1	239	5:05:02 PM	5:05:05 PM	3
1	240	5:05:29 PM	5:05:31 PM	2
1	241	5:05:37 PM	5:05:38 PM	1
1	242	5:06:34 PM	5:06:39 PM	5
1	243	5:06:57 PM	5:07:02 PM	5
1	244	5:09:31 PM	5:09:44 PM	13
1	245	5:10:16 PM	5:10:19 PM	3
1	246	5:10:36 PM	5:10:38 PM	2
1	247	5:11:24 PM	5:11:26 PM	2
1	248	5:11:50 PM	5:11:56 PM	6
1	249	5:11:53 PM	5:12:04 PM	11
1	250	5:11:55 PM	5:12:15 PM	20
1	251	5:12:32 PM	5:12:33 PM	1
1	252	5:12:42 PM	5:12:45 PM	3
1	253	5:12:43 PM	5:12:48 PM	5
1	254	5:13:50 PM	5:14:03 PM	13
1	255	5:14:28 PM	5:14:33 PM	5
1	256	5:14:58 PM	5:15:01 PM	3
1	257	5:16:11 PM	5:16:16 PM	5
1	258	5:18:13 PM	5:18:15 PM	2
1	259	5:18:23 PM	5:18:32 PM	9
1	260	5:19:12 PM	5:19:14 PM	2
1	261	5:19:37 PM	5:19:41 PM	4
1	262	5:20:43 PM	5:20:46 PM	3
1	263	5:20:54 PM	5:21:00 PM	6
1	264	5:21:03 PM	5:21:11 PM	8
1	265	5:21:06 PM	5:21:29 PM	23
1	266	5:21:16 PM	5:21:46 PM	30
1	267	5:22:50 PM	5:22:51 PM	1
1	268	5:26:59 PM	5:27:01 PM	2
1	269	5:28:16 PM	5:28:22 PM	6
1	270	5:29:07 PM	5:29:10 PM	3
1	271	5:33:21 PM	5:33:31 PM	10
1	272	5:35:02 PM	5:35:10 PM	8
1	273	5:37:40 PM	5:37:43 PM	3
1	274	5:38:11 PM	5:38:13 PM	2
1	275	5:38:43 PM	5:38:49 PM	6
1	276	5:38:44 PM	5:38:56 PM	12
1	277	5:39:49 PM	5:39:52 PM	3
1	278	5:40:48 PM	5:41:38 PM	50
1	279	5:40:56 PM	5:41:43 PM	47
1	280	5:40:58 PM	5:41:51 PM	53
1	281	5:41:09 PM	5:41:56 PM	47
1	282	5:41:13 PM	5:42:08 PM	55
1	283	5:42:59 PM	5:43:05 PM	6
1	284	5:44:37 PM	5:44:38 PM	1
1	285	5:45:12 PM	5:45:20 PM	8
1	286	5:45:13 PM	5:45:24 PM	11
1	287	5:48:50 PM	5:48:59 PM	9
1	288	5:52:36 PM	5:52:38 PM	2
1	289	5:53:22 PM	5:53:40 PM	18
1	290	5:54:25 PM	5:54:36 PM	11
1	291	5:56:49 PM	5:56:53 PM	4
1	292	5:58:41 PM	5:59:01 PM	20
1	293	5:58:57 PM	5:59:20 PM	23
1	294	5:59:51 PM	5:59:54 PM	3
1	295	6:00:22 PM	6:00:34 PM	12
1	296	6:03:13 PM	6:03:21 PM	8

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

All Delays

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517
Site Code : 00099999
Start Date : 5/17/2017
Page No : 6

Summary Information:

2:05:00 PM - 6:04:00 PM	Lane 1
Total Vehicle Count:	296
Delayed Vehicle Count:	296
Through Vehicle Count:	0
Average Stopped Time:	11.58
Maximum Stopped Time:	157
Min. Secs. for Delay:	0
Average Queue:	0.24
Queue Density:	1.42
Maximum Queue:	6
Delay in Vehicle Hour:	0.24
Total Delay:	3428

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

Delay when train is not present

File Name : Oak at Troy Delay Study AM (Blue Board) - 2017-0503

Site Code : 00066666

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	40	8:15:38 AM	8:15:40 AM	2	
1	41	8:20:54 AM	8:20:56 AM	2	
1	42	8:22:19 AM	8:22:20 AM	1	
1	43	8:23:56 AM	8:23:58 AM	2	
1	44	8:23:57 AM	8:24:02 AM	5	
1	45	8:29:49 AM	8:29:52 AM	3	
1	46	8:31:02 AM	8:31:03 AM	1	
1	47	8:34:08 AM	8:34:10 AM	2	
1	48	8:41:32 AM	8:41:36 AM	4	

Summary Information:

8:15:00 AM - 8:42:00 AM	Lane 1
Total Vehicle Count:	9
Delayed Vehicle Count:	9
Through Vehicle Count:	0
Average Stopped Time:	2.44
Maximum Stopped Time:	5
Min. Secs. for Delay:	0
Average Queue:	0.01
Queue Density:	1.05
Maximum Queue:	2
Delay in Vehicle Hour:	0.01
Total Delay:	22

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

Delay when train is not present

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0503

Site Code : 00666666

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	78	5:15:25 PM	5:15:27 PM	2	
1	79	5:16:02 PM	5:16:05 PM	3	
1	80	5:24:18 PM	5:24:20 PM	2	
1	81	5:29:34 PM	5:29:37 PM	3	
1	82	5:36:36 PM	5:36:43 PM	7	

Summary Information:

5:15:00 PM - 5:40:00 PM	Lane 1
Total Vehicle Count:	5
Delayed Vehicle Count:	5
Through Vehicle Count:	0
Average Stopped Time:	3.40
Maximum Stopped Time:	7
Min. Secs. for Delay:	0
Average Queue:	0.01
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.01
Total Delay:	17

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West Chester, OH 45069

Delay when train is not present

File Name : Oak at Troy Delay Study AM (Blue Board) - 2017-0517

Site Code : 00003333

Start Date : 5/17/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	78	8:15:56 AM	8:15:58 AM	2	
1	79	8:19:29 AM	8:19:30 AM	1	
1	80	8:19:51 AM	8:19:53 AM	2	
1	81	8:22:15 AM	8:22:16 AM	1	
1	82	8:22:39 AM	8:22:40 AM	1	
1	83	8:22:45 AM	8:22:46 AM	1	
1	84	8:27:52 AM	8:27:54 AM	2	
1	85	8:30:21 AM	8:30:23 AM	2	
1	86	8:34:56 AM	8:34:58 AM	2	
1	87	8:35:27 AM	8:35:29 AM	2	
1	88	8:38:50 AM	8:38:53 AM	3	
1	89	8:42:41 AM	8:42:43 AM	2	
1	90	8:44:38 AM	8:44:40 AM	2	
1	91	8:45:58 AM	8:46:01 AM	3	

Summary Information:

8:15:00 AM - 8:47:00 AM	Lane 1
Total Vehicle Count:	14
Delayed Vehicle Count:	14
Through Vehicle Count:	0
Average Stopped Time:	1.86
Maximum Stopped Time:	3
Min. Secs. for Delay:	0
Average Queue:	0.01
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.01
Total Delay:	26

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West Chester, OH 45069

Delay when train is not present

File Name : Oak at Troy Delay Study PM (Blue Board) - 2017-0517

Site Code : 56743278

Start Date : 5/17/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	116	4:50:14 PM	4:50:15 PM	1	
1	117	4:53:11 PM	4:53:13 PM	2	
1	118	4:53:18 PM	4:53:19 PM	1	
1	119	4:53:24 PM	4:53:24 PM	0	
1	120	4:53:43 PM	4:53:44 PM	1	
1	121	4:53:48 PM	4:53:49 PM	1	
1	122	4:55:09 PM	4:55:09 PM	0	
1	123	4:58:05 PM	4:58:07 PM	2	
1	124	4:58:10 PM	4:58:13 PM	3	
1	125	4:58:34 PM	4:58:35 PM	1	
1	126	4:59:18 PM	4:59:20 PM	2	
1	127	5:00:16 PM	5:00:17 PM	1	
1	128	5:00:33 PM	5:00:34 PM	1	
1	129	5:01:29 PM	5:01:35 PM	6	
1	130	5:02:56 PM	5:02:58 PM	2	
1	131	5:06:49 PM	5:06:50 PM	1	
1	132	5:09:05 PM	5:09:06 PM	1	
1	133	5:09:51 PM	5:09:52 PM	1	
1	134	5:10:00 PM	5:10:01 PM	1	
1	135	5:10:29 PM	5:10:33 PM	4	
1	136	5:11:25 PM	5:11:26 PM	1	
1	137	5:12:14 PM	5:12:15 PM	1	
1	138	5:12:47 PM	5:12:47 PM	0	
1	139	5:13:48 PM	5:13:49 PM	1	
1	140	5:14:42 PM	5:14:43 PM	1	
1	141	5:14:46 PM	5:14:47 PM	1	
1	142	5:14:48 PM	5:14:49 PM	1	

Summary Information:

4:50:00 PM - 5:15:00 PM	Lane 1
Total Vehicle Count:	27
Delayed Vehicle Count:	27
Through Vehicle Count:	0
Average Stopped Time:	1.41
Maximum Stopped Time:	6
Min. Secs. for Delay:	0
Average Queue:	0.03
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.03
Total Delay:	38

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Delay when train is not present

File Name : Sharon at Troy Delay Study AM (Orange Board)- 2017-0503

Site Code : 11111111

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	71	8:15:00 AM	8:15:17 AM	17	
1	72	8:23:33 AM	8:23:35 AM	2	
1	73	8:23:51 AM	8:23:58 AM	7	
1	74	8:24:37 AM	8:24:40 AM	3	
1	75	8:27:18 AM	8:27:27 AM	9	
1	76	8:28:41 AM	8:28:45 AM	4	
1	77	8:31:56 AM	8:32:16 AM	20	
1	78	8:36:01 AM	8:36:29 AM	28	
1	79	8:36:45 AM	8:36:46 AM	1	
1	80	8:37:29 AM	8:37:35 AM	6	
1	81	8:39:44 AM	8:39:49 AM	5	
1	82	8:40:00 AM	8:40:04 AM	4	
1	83	8:40:24 AM	8:40:25 AM	1	
1	84	8:41:32 AM	8:41:39 AM	7	
1	85	8:46:01 AM	8:46:03 AM	2	
1	86	8:46:21 AM	8:46:23 AM	2	
1	87	8:47:07 AM	8:47:08 AM	1	
1	88	8:47:41 AM	8:47:45 AM	4	
1	89	8:51:13 AM	8:51:15 AM	2	
1	90	8:53:43 AM	8:53:49 AM	6	
1	91	8:54:51 AM	8:54:53 AM	2	
1	92	8:54:55 AM	8:54:58 AM	3	
1	93	8:55:01 AM	8:55:06 AM	5	
1	94	8:55:26 AM	8:55:36 AM	10	
1	95	8:57:31 AM	8:57:32 AM	1	
1	96	8:57:37 AM	8:57:38 AM	1	
1	97	8:58:06 AM	8:58:08 AM	2	
1	98	8:58:56 AM	8:58:58 AM	2	

Summary Information:

8:15:00 AM - 9:00:00 AM	Lane 1
Total Vehicle Count:	28
Delayed Vehicle Count:	28
Through Vehicle Count:	0
Average Stopped Time:	5.61
Maximum Stopped Time:	28
Min. Secs. for Delay:	0
Average Queue:	0.06
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.06
Total Delay:	157

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

Delay when train is not present

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0503

Site Code : 11111112

Start Date : 5/3/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	203	5:15:09 PM	5:15:16 PM	7	
1	204	5:15:20 PM	5:15:35 PM	15	
1	205	5:16:46 PM	5:16:50 PM	4	
1	206	5:17:09 PM	5:17:12 PM	3	
1	207	5:17:34 PM	5:17:43 PM	9	
1	208	5:18:21 PM	5:18:23 PM	2	
1	209	5:18:49 PM	5:19:00 PM	11	
1	210	5:19:43 PM	5:19:49 PM	6	
1	211	5:21:55 PM	5:21:56 PM	1	
1	212	5:22:03 PM	5:22:04 PM	1	
1	213	5:23:40 PM	5:23:43 PM	3	
1	214	5:26:22 PM	5:26:24 PM	2	
1	215	5:27:12 PM	5:27:16 PM	4	
1	216	5:27:48 PM	5:27:58 PM	10	
1	217	5:30:17 PM	5:30:19 PM	2	
1	218	5:31:25 PM	5:31:28 PM	3	
1	219	5:34:22 PM	5:34:24 PM	2	
1	220	5:34:28 PM	5:34:35 PM	7	
1	221	5:35:08 PM	5:35:11 PM	3	
1	222	5:36:08 PM	5:36:16 PM	8	
1	223	5:38:41 PM	5:38:55 PM	14	

Summary Information:

5:15:00 PM - 5:40:00 PM	Lane 1	Lane 2
Total Vehicle Count:	21	0
Delayed Vehicle Count:	21	0
Through Vehicle Count:	0	0
Average Stopped Time:	5.57	0.000
Maximum Stopped Time:	15	0
Min. Secs. for Delay:	0	0
Average Queue:	0.08	0.000
Queue Density:	1.00	0.000
Maximum Queue:	1	0
Delay in Vehicle Hour:	0.08	0.00
Total Delay:	117	0

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

Delay when train is not present

File Name : Sharon at Troy Delay Study AM (Orange Board) - 2017-0517

Site Code : 77777777

Start Date : 5/17/2017

Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay	
1	92	8:16:30 AM	8:16:33 AM	3	
1	93	8:16:38 AM	8:16:53 AM	15	
1	94	8:16:53 AM	8:16:58 AM	5	
1	95	8:19:14 AM	8:19:16 AM	2	
1	96	8:19:26 AM	8:19:28 AM	2	
1	97	8:21:36 AM	8:21:37 AM	1	
1	98	8:22:44 AM	8:22:46 AM	2	
1	99	8:22:57 AM	8:22:59 AM	2	
1	100	8:23:07 AM	8:23:10 AM	3	
1	101	8:23:23 AM	8:23:24 AM	1	
1	102	8:23:40 AM	8:23:51 AM	11	
1	103	8:24:09 AM	8:24:12 AM	3	
1	104	8:26:20 AM	8:26:22 AM	2	
1	105	8:31:04 AM	8:31:09 AM	5	
1	106	8:32:19 AM	8:32:20 AM	1	
1	107	8:33:18 AM	8:33:21 AM	3	
1	108	8:33:30 AM	8:33:32 AM	2	
1	109	8:33:58 AM	8:34:01 AM	3	
1	110	8:34:46 AM	8:34:48 AM	2	
1	111	8:36:35 AM	8:36:37 AM	2	
1	112	8:37:42 AM	8:38:02 AM	20	
1	113	8:39:18 AM	8:39:21 AM	3	
1	114	8:40:56 AM	8:41:01 AM	5	
1	115	8:42:16 AM	8:42:19 AM	3	
1	116	8:42:25 AM	8:42:31 AM	6	
1	117	8:44:14 AM	8:44:17 AM	3	
1	118	8:47:56 AM	8:47:58 AM	2	
1	119	8:48:06 AM	8:48:08 AM	2	
1	120	8:50:00 AM	8:50:03 AM	3	
1	121	8:51:34 AM	8:51:36 AM	2	
1	122	8:52:26 AM	8:52:28 AM	2	
1	123	8:52:59 AM	8:53:01 AM	2	
1	124	8:53:14 AM	8:53:22 AM	8	
1	125	8:54:24 AM	8:54:36 AM	12	
1	126	8:55:20 AM	8:55:22 AM	2	
1	127	8:55:31 AM	8:55:34 AM	3	
1	128	8:57:42 AM	8:57:45 AM	3	
1	129	8:58:01 AM	8:58:06 AM	5	
1	130	8:58:10 AM	8:58:17 AM	7	
1	131	8:59:05 AM	8:59:07 AM	2	

Summary Information:

8:15:00 AM - 9:00:00 AM	Lane 1
Total Vehicle Count:	40
Delayed Vehicle Count:	40
Through Vehicle Count:	0
Average Stopped Time:	4.13
Maximum Stopped Time:	20
Min. Secs. for Delay:	0
Average Queue:	0.06
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.06
Total Delay:	165

The Kleingers Group

6305 Centre Park Drive
West Chester, OH 45069

Delay when train is not present

File Name : Sharon at Troy Delay Study PM (Orange Board) - 2017-0517

Site Code : 00099999

Start Date : 5/17/2017

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L n.	No.	Joined Queue	Released From Queue	Delay	
1	219	4:52:05 PM	4:52:10 PM	5	
1	220	4:52:06 PM	4:52:20 PM	14	
1	221	4:52:23 PM	4:52:29 PM	6	
1	222	4:53:41 PM	4:53:51 PM	10	
1	223	4:54:24 PM	4:54:26 PM	2	
1	224	4:55:16 PM	4:55:23 PM	7	
1	225	4:55:28 PM	4:55:30 PM	2	
1	226	4:55:42 PM	4:55:50 PM	8	
1	227	4:56:08 PM	4:56:10 PM	2	
1	228	4:57:05 PM	4:57:11 PM	6	
1	229	4:59:25 PM	4:59:27 PM	2	
1	230	5:00:26 PM	5:00:28 PM	2	
1	231	5:01:47 PM	5:01:47 PM	0	
1	232	5:02:00 PM	5:02:17 PM	17	
1	233	5:02:02 PM	5:02:22 PM	20	
1	234	5:02:23 PM	5:02:26 PM	3	
1	235	5:02:49 PM	5:03:01 PM	12	
1	236	5:03:03 PM	5:03:07 PM	4	
1	237	5:03:05 PM	5:03:12 PM	7	
1	238	5:03:11 PM	5:03:17 PM	6	
1	239	5:05:02 PM	5:05:05 PM	3	
1	240	5:05:29 PM	5:05:31 PM	2	
1	241	5:05:37 PM	5:05:38 PM	1	
1	242	5:06:34 PM	5:06:39 PM	5	
1	243	5:06:57 PM	5:07:02 PM	5	
1	244	5:09:31 PM	5:09:44 PM	13	
1	245	5:10:16 PM	5:10:19 PM	3	
1	246	5:10:36 PM	5:10:38 PM	2	
1	247	5:11:24 PM	5:11:26 PM	2	
1	248	5:11:50 PM	5:11:56 PM	6	
1	249	5:11:53 PM	5:12:04 PM	11	
1	250	5:11:55 PM	5:12:15 PM	20	
1	251	5:12:32 PM	5:12:33 PM	1	
1	252	5:12:42 PM	5:12:45 PM	3	
1	253	5:12:43 PM	5:12:48 PM	5	
1	254	5:13:50 PM	5:14:03 PM	13	
1	255	5:14:28 PM	5:14:33 PM	5	

Summary Information:

4:50:00 PM - 5:15:00 PM	Lane 1
Total Vehicle Count:	38
Delayed Vehicle Count:	38
Through Vehicle Count:	0
Average Stopped Time:	6.26
Maximum Stopped Time:	20
Min. Secs. for Delay:	0
Average Queue:	0.17
Queue Density:	1.18
Maximum Queue:	3
Delay in Vehicle Hour:	0.17
Total Delay:	238