

**KSE**

**KS Engineers, PC.**

Engineers · Surveyors · Construction Managers

2080 Silas Deane Highway, Unit 102A, Rocky Hill, CT 06067 · Tel: 860.920.5912 · kseng.com



# GROVE STREET INTERSECTIONS WITH FORDCYE ROAD AND HINE HILL ROAD

PRELIMINARY ENGINEERING REVIEW AND RECOMMENDATIONS  
TOWN OF NEW MILFORD, CT

OCTOBER 2023



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## APPENDIX

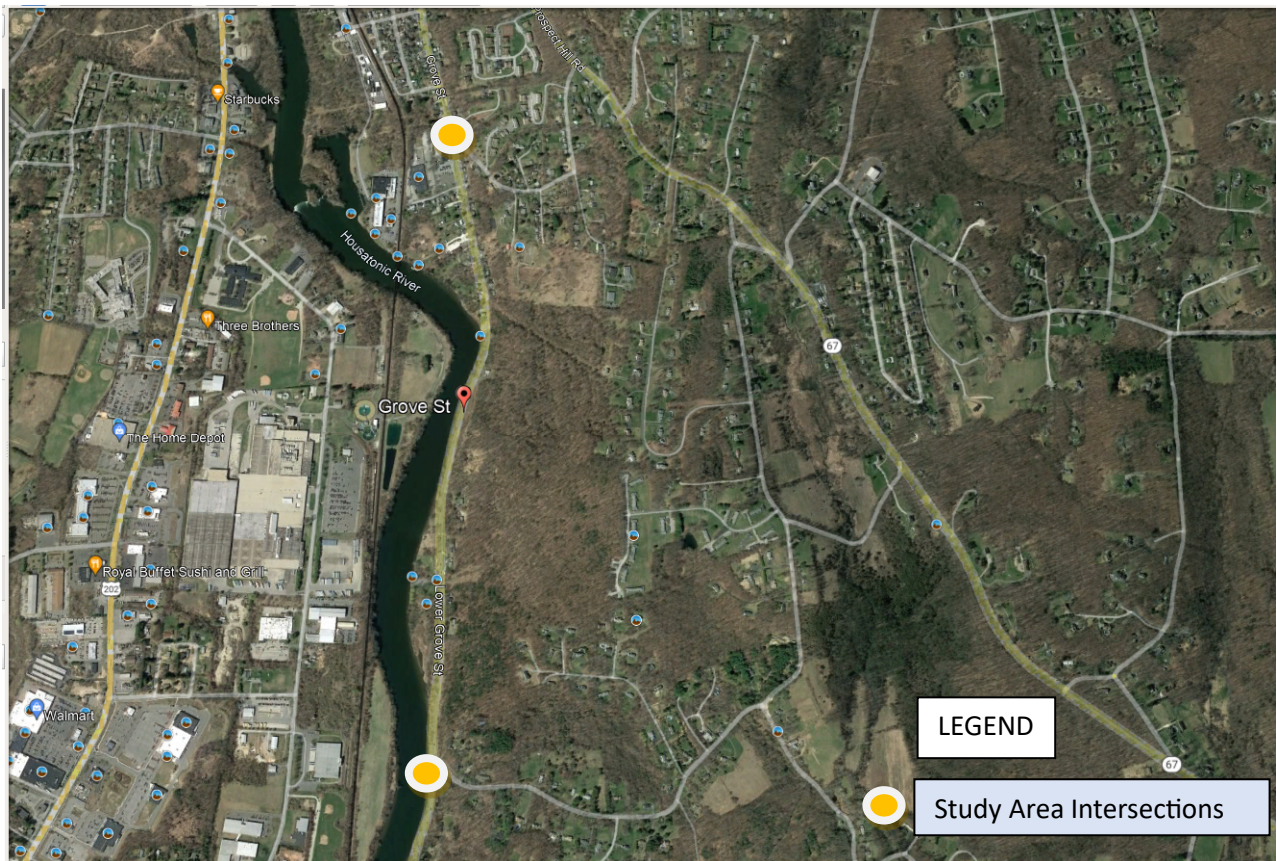
- 1. Traffic data**
- 2. Proposed Improvement graphics**
- 3. Cost estimate worksheet**

## **1. INTRODUCTION**

KS Engineers P.C (KSE) has been retained by the Town of New Milford to review traffic operating conditions and existing geometry at the intersections of Grove Street with Fordyce Road and Hine Hill Road. The scope of the project includes collecting traffic and safety data at the two intersections, hold public meetings and summarize concerns of the residents in the general project area. The scope also includes developing engineering recommendations for the locations in consultation with the Town staff.

## **2. PROJECT/STUDY AREA**

The project/study area is depicted in Figure 1: Location Map and consists of the section of Grove Street between Fordyce Road and Hine Hill Road and the intersections of Grove Street with Fordyce Road and Hine Hill Road.



**Figure 1: Location Map**

## **3. EXISTING CONDITIONS**

Grove Street is an arterial roadway in the Town of Milford, running parallel to the Housatonic River in the study area. Within the study area, Grove Street also runs parallel to US Route 7/Route 202, which is a major arterial in the town. North of the study area, Grove Street intersects with US Route 7/Route 202 and

Prospect Hill Road (US Route 67) forming a four-legged intersection. KSE performed a site visit and documented the existing roadway and transportation conditions at the study area.

Within the study area, Grove Street is a two-way, two-lane roadway providing one lane of travel in each direction, separated by a double yellow line. Within the study area, the speed limit on Grove Street is 40 mph and serves a primarily residential area with few commercial establishments. The segment of Grove Street between the intersections of Fordyce Road and Hine Hill Road is characterized by gentle horizontal and vertical curvatures. No sidewalks, crosswalks or other infrastructure for pedestrians and/or bicyclists were noted. There is a “Share the Road” sign in the study area close to the intersection with Fordyce Road.

Within the study area, Fordyce Road is a two-way residential street, extending from Grove Street to Fordyce Ct. The speed limit on Fordyce Road is 25 mph and the roadway is characterized by steep vertical grades and narrow width throughout its extent. There are intermittent residential streets and/or driveways intersecting Fordyce Road from Grove Street to Fordyce Ct. No sidewalks, crosswalks or other infrastructure for pedestrians and/or bicyclists were noted.

Within the study area, Hine Hill Road is a two-way residential street, extending from Grove Street to Town Farms Road, which subsequently connects to US Route 67 through Old Town Farm Road and Cascade Road. The speed limit on Hine Hill Road is 25 mph and the roadway is characterized by horizontal curves and steep vertical grades. There are intermittent residential streets and/or driveways intersecting Hine Hill Road from Grove Street to Town Farm Road. No sidewalks, crosswalks or other infrastructure for pedestrians and/or bicyclists were noted.

- Intersection of Fordyce Road and Grove Street – The intersection of Fordyce Road and Grove Street is an unsignalized T-intersection, with the Fordyce Road approach being controlled by a STOP sign. At the intersection, there is a residential driveway serving 115 and 117 Grove Street. There are overhead utilities at the intersection and utility poles at the southeast and northwest corners of the intersection. There is an entrance only access driveway to a commercial establishment across the street from Fordyce Road. There is a painted, channelizing island at the Fordyce Road approach of the intersection.

The vehicles approaching the intersection from the Fordyce Road approach have to negotiate a steep downgrade. In addition, the motorist at this approach has restricted sight distance to the left. Making a left turn from the intersection approach to Grove Street is extremely difficult under peak traffic conditions on Grove Street. See Figure 2 for a view of this intersection from the Fordyce Road approach.

- Intersection of Hine Hill Road and Grove Street - The intersection of Hine Hill Road and Grove Street is an unsignalized T- intersection, with Hine Hill Road approach being controlled by a STOP sign. This intersection abuts the Housatonic River, which runs parallel to Grove Street. There is a run of guardrail along the western side of Grove Street abutting the intersection. There are overhead utilities at the intersection and utility poles both north and south of the intersection.

The vehicles approaching the intersection from the Hine Hill approach encounter dense vegetation on both sides of the roadway and restricted intersection sight distance especially to the right of the intersection. Making a turn at this intersection is extremely difficult under peak traffic conditions on Grove Street. See Figure 3 for a view of this intersection from the Hine Hill Road approach.





**Figure 2: Intersection of Fordyce Road and Grove Street**



**Figure 3: Intersection of Hine Hill Road and Grove Street**

#### **4. TRAFFIC OPERATIONS AND SAFETY**

KSE conducted a traffic counting program at the subject intersections and on Grove Street. Continuous 24-hour Automatic Traffic Recorder (ATR) traffic counts were conducted on Grove Street, Fordyce Road and Hine Hill Road. The counts recorded volume, speed and vehicle classification and were conducted on Tuesday June 20<sup>th</sup>, 2023, when the schools were in session. No other unusual traffic and/or weather-related conditions were observed. The traffic data is included in the Appendix of the report. Following are the observations from the data:

- Grove Street/Lower Grove Street serves approximately 14,865 vehicles per day on average. The speed limit on Grove Street is 40 mph and the data revealed that the 85<sup>th</sup> percentile speed is 43 mph in the northbound direction and 46 mph in the southbound direction. Approximately 33% of the motorists travel above the speed limit in the northbound direction and approximately 58% of the motorists travel above the speed limit in the southbound direction. Approximately 20% heavy-vehicles on average (trucks, buses) in the traffic mix was observed.
- Fordyce Road serves approximately 936 vehicles per day on average. The speed limit on Fordyce Road is 25 mph and the data revealed that the 85<sup>th</sup> percentile speed is 32 mph in the westbound direction and 29 mph in the eastbound direction. Approximately 60% of the motorists travel above the speed limit in the westbound direction and approximately 24% of the motorists travel over the speed limit in the eastbound direction. Approximately 10% heavy-vehicles in the traffic mix was observed.
- Hine Hill Road serves approximately 3,900 vehicles per day on average. The speed limit on Hine Hill Road is 25 mph and the data revealed that the 85<sup>th</sup> percentile speed is 22 mph. Approximately 60% of the motorists travel above the speed limit in the westbound direction and approximately 40% of the motorists travel over the speed limit in the eastbound direction. Approximately 20% heavy- vehicles in the traffic mix was observed.

KSE collected traffic crash information for the two intersections from the University of Connecticut Crash Data Repository for the latest three-year period (2020 to 2022). The crash data revealed the following:

- During the above time-period, at the intersection of Fordyce Road and Grove Street, there were a total of 18 crashes. 56% of those crashes led to injury and 44% of the crashes led to Property Damage Only (PDO). 78% of the crashes were angle crashes and 22% of the crashes were rear-end. Typically, angle crashes are directly related to the limited sight distance intersections.
- During the above time-period, at the intersection of Hine Hill Road and Grove Street, there were a total of 70 crashes. 40% of those crashes led to injury and 60% of the crashes led to Property Damage Only (PDO). 46% of the crashes were angle crashes and 44% of the crashes were rear-end. Typically, angle crashes are directly related to the limited sight distance intersections and rear end crashes. Typically rear-end crashes happen due to excessive speeding and/or tailgating at intersections.

## **5. RESIDENTS' CONCERNS AND ENGINEERING OBSERVATIONS**

KSE and Town of New Milford staff conducted a public meeting to discuss the concerns of the residents in the general area. The meeting was conducted virtually on MS Teams on August 31<sup>st</sup>. The Town of New Milford also received residents' comments regarding their travel experiences in the study corridor by email. Based on the comments, the following observations were made:

- There is widespread concern about the difficulty of turning into Grove Street from Hine Hill Road and Fordyce Road.
- There is concern about speeding on Grove/Lower Grove Street, Fordyce Road and Hine Hill Road
- There is a sense that traffic control devices, i.e. traffic signals at the intersections of Grove Street at Fordyce Road and Grove Street at Hine Hill Road will be needed to address the safety challenges at these locations.

## **6. RECOMMENDATIONS**

Based on the traffic and safety data collected, field observations and engineering evaluations of the intersections of Grove Street with Fordyce Road and Hine Hill Road, KSE proposes the following:

### **Intersection of Fordyce Road and Grove Street:**

- Remove existing STOP sign.
- Install mast-arm traffic signal at this location, to be designed in accordance with the provisions of Manual of Uniform Traffic Control Devices, 2009.
- Remove existing STOP bar at the Fordyce Road approach.
- Install STOP bars on both northbound and southbound Grove Street and westbound Fordyce Road.
- Install "Signal Ahead" signs north and south of the intersection for both directions of traffic as well as westbound Fordyce Road.
- Install a speed hump, designed per MUTCD guidelines in order to slow down traffic and have a traffic calming effect.

### **Grove Street/Lower Grove Street:**

- Install a speed hump, designed per MUTCD guidelines in order to slow down traffic and have a traffic calming effect.

### **Intersection of Hine Hill Road and Grove Street:**

- Remove existing STOP sign.
- Install mast-arm traffic signal at this location, to be designed in accordance with the provisions of Manual of Uniform Traffic Control Devices, 2009.
- Remove existing STOP bar at the Fordyce Road approach.
- Install STOP bars on both northbound and southbound Grove Street and westbound Fordyce Road.
- Install "Signal Ahead" signs north and south of the intersection for both directions of traffic as well as westbound Fordyce Road.

- Install a speed hump, designed per MUTCD guidelines in order to slow down traffic and have a traffic calming effect.
- Clear and/or trim vegetation on both sides of Hine Hill Road to improve sight lines at the intersection.

The above improvements are presented pictorially in the Appendix.

## **7. POSSIBLE IMPACTS**

Utilities: Overhead utilities at both the intersections in the study area may need to be relocated. Coordination with utility companies will need to be initiated in the design phase.

Rights of Way: Easements for traffic signal equipment may be needed on both sides of Grove Street at the intersections. The designer will prepare property maps showing the relevant easements. The Town will coordinate with the property owners and will conduct negotiations.

## **8. PRELIMINARY COST ESTIMATE**

It is estimated the approximate preliminary cost for the proposed improvements will be \$630,000. The worksheet for the cost estimate is included in the Appendix of the report.

## **9. NEXT STEPS**

KSE recommends the following as sequential next steps:

- Preparation of a traffic signal warrant study per MUTCD to fully investigate the justification for traffic signals at the intersections of Fordyce Road and Grove Street and Hine Hill Road and Grove Street.
- Exploration of funding sources for design and construction.
- Funding applications.
- Procurement for preliminary and final design.
- Completion of preliminary and final design plans, specifications and estimates.
- Procurement for construction.
- Construction.





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## APPENDIX

## Tri-State Traffic Data

### 184 Baker Rd Coatesville, PA 19320

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

Start Time	19-Jun-23		20-Jun-23		21-Jun-23		22-Jun-23		23-Jun-23		Weekday Average		24-Jun-23		25-Jun-23	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	1	3	*	*	*	*	1	3	*	*	*	*
01:00	*	*	*	*	3	0	*	*	*	*	3	0	*	*	*	*
02:00	*	*	*	*	0	0	*	*	*	*	0	0	*	*	*	*
03:00	*	*	*	*	1	0	*	*	*	*	1	0	*	*	*	*
04:00	*	*	*	*	5	0	*	*	*	*	5	0	*	*	*	*
05:00	*	*	*	*	17	4	*	*	*	*	17	4	*	*	*	*
06:00	*	*	*	*	52	7	*	*	*	*	52	7	*	*	*	*
07:00	*	*	*	*	41	16	*	*	*	*	41	16	*	*	*	*
08:00	*	*	*	*	46	22	*	*	*	*	46	22	*	*	*	*
09:00	*	*	*	*	18	19	*	*	*	*	18	19	*	*	*	*
10:00	*	*	*	*	29	18	*	*	*	*	29	18	*	*	*	*
11:00	*	*	*	*	26	19	*	*	*	*	26	19	*	*	*	*
12:00 PM	*	*	*	*	18	34	*	*	*	*	18	34	*	*	*	*
01:00	*	*	*	*	18	18	*	*	*	*	18	18	*	*	*	*
02:00	*	*	*	*	18	30	*	*	*	*	18	30	*	*	*	*
03:00	*	*	20	19	22	45	*	*	*	*	21	32	*	*	*	*
04:00	*	*	22	74	26	82	*	*	*	*	24	78	*	*	*	*
05:00	*	*	19	77	24	70	*	*	*	*	22	74	*	*	*	*
06:00	*	*	16	63	5	9	*	*	*	*	10	36	*	*	*	*
07:00	*	*	16	30	*	*	*	*	*	*	16	30	*	*	*	*
08:00	*	*	15	37	*	*	*	*	*	*	15	37	*	*	*	*
09:00	*	*	9	25	*	*	*	*	*	*	9	25	*	*	*	*
10:00	*	*	3	14	*	*	*	*	*	*	3	14	*	*	*	*
11:00	*	*	1	7	*	*	*	*	*	*	1	7	*	*	*	*
Total	0	0	121	346	370	396	0	0	0	0	414	523	0	0	0	0
Day	0	0	467		766		0	0	0	0	937		0	0	0	
AM Peak	-	-	-	-	06:00	08:00	-	-	-	-	06:00	08:00	-	-	-	-
Vol.	-	-	-	-	52	22	-	-	-	-	52	22	-	-	-	-
PM Peak	-	-	16:00	17:00	16:00	16:00	-	-	-	-	16:00	16:00	-	-	-	-
Vol.	-	-	22	77	26	82	-	-	-	-	24	78	-	-	-	-

Comb. Total	0	467	766	0	0	937	0	0
ADT	ADT 936	AADT 936						

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

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 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

NB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	2	5	7	6	0	0	0	0	0	0	0	0	0	0	0	20
16:00	3	5	10	3	0	1	0	0	0	0	0	0	0	0	0	22
17:00	1	8	9	1	0	0	0	0	0	0	0	0	0	0	0	19
18:00	6	5	2	2	1	0	0	0	0	0	0	0	0	0	0	16
19:00	1	1	7	5	1	1	0	0	0	0	0	0	0	0	0	16
20:00	2	4	4	4	1	0	0	0	0	0	0	0	0	0	0	15
21:00	0	1	6	1	1	0	0	0	0	0	0	0	0	0	0	9
22:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>15</b>	<b>32</b>	<b>45</b>	<b>23</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>121</b>

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

NB

Start Time	1 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 9999	Total
06/21/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	5
05:00	0	8	3	4	2	0	0	0	0	0	0	0	0	0	0	17
06:00	2	7	24	13	5	1	0	0	0	0	0	0	0	0	0	52
07:00	3	9	13	13	3	0	0	0	0	0	0	0	0	0	0	41
08:00	10	11	14	9	2	0	0	0	0	0	0	0	0	0	0	46
09:00	0	5	10	2	1	0	0	0	0	0	0	0	0	0	0	18
10:00	7	4	8	8	2	0	0	0	0	0	0	0	0	0	0	29
11:00	3	8	9	4	2	0	0	0	0	0	0	0	0	0	0	26
12 PM	2	9	5	1	1	0	0	0	0	0	0	0	0	0	0	18
13:00	4	8	4	2	0	0	0	0	0	0	0	0	0	0	0	18
14:00	2	2	9	3	0	2	0	0	0	0	0	0	0	0	0	18
15:00	6	8	3	5	0	0	0	0	0	0	0	0	0	0	0	22
16:00	2	9	9	5	1	0	0	0	0	0	0	0	0	0	0	26
17:00	1	7	11	1	4	0	0	0	0	0	0	0	0	0	0	24
18:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	5
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	44	101	126	72	23	4	0	0	0	0	0	0	0	0	0	370
Grand Total	59	133	171	95	27	6	0	0	0	0	0	0	0	0	0	491

Stats

- 15th Percentile : 20 MPH
- 50th Percentile : 26 MPH
- 85th Percentile : 32 MPH
- 95th Percentile : 36 MPH
- Mean Speed(Average) : 26 MPH
- 10 MPH Pace Speed : 21-30 MPH
- Number in Pace : 304
- Percent in Pace : 61.9%
- Number of Vehicles > 30 MPH : 128
- Percent of Vehicles > 30 MPH : 26.1%



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SB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	5	7	5	1	1	0	0	0	0	0	0	0	0	0	0	19
16:00	19	30	17	7	1	0	0	0	0	0	0	0	0	0	0	74
17:00	14	35	24	4	0	0	0	0	0	0	0	0	0	0	0	77
18:00	17	29	16	1	0	0	0	0	0	0	0	0	0	0	0	63
19:00	9	11	10	0	0	0	0	0	0	0	0	0	0	0	0	30
20:00	14	15	6	2	0	0	0	0	0	0	0	0	0	0	0	37
21:00	1	11	9	3	1	0	0	0	0	0	0	0	0	0	0	25
22:00	0	9	5	0	0	0	0	0	0	0	0	0	0	0	0	14
23:00	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	7
Total	80	150	94	19	3	0	0	0	0	0	0	0	0	0	0	346

## Tri-State Traffic Data

### 184 Baker Rd Coatesville, PA 19320

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

SB

Start Time	1 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 9999	Total
06/21/23	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	4
06:00	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	7
07:00	2	6	8	0	0	0	0	0	0	0	0	0	0	0	0	16
08:00	5	7	9	1	0	0	0	0	0	0	0	0	0	0	0	22
09:00	1	9	7	1	0	0	1	0	0	0	0	0	0	0	0	19
10:00	3	4	7	4	0	0	0	0	0	0	0	0	0	0	0	18
11:00	6	9	4	0	0	0	0	0	0	0	0	0	0	0	0	19
12 PM	6	12	10	5	1	0	0	0	0	0	0	0	0	0	0	34
13:00	3	8	6	1	0	0	0	0	0	0	0	0	0	0	0	18
14:00	11	10	6	3	0	0	0	0	0	0	0	0	0	0	0	30
15:00	11	18	8	7	1	0	0	0	0	0	0	0	0	0	0	45
16:00	7	31	33	10	1	0	0	0	0	0	0	0	0	0	0	82
17:00	5	28	30	4	3	0	0	0	0	0	0	0	0	0	0	70
18:00	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	9
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	63	152	136	37	7	0	1	0	0	0	0	0	0	0	0	396
Grand Total	143	302	230	56	10	0	1	0	0	0	0	0	0	0	0	742

Stats

- 15th Percentile : 15 MPH
- 50th Percentile : 23 MPH
- 85th Percentile : 29 MPH
- 95th Percentile : 32 MPH
- Mean Speed(Average) : 23 MPH
- 10 MPH Pace Speed : 21-30 MPH
- Number in Pace : 532
- Percent in Pace : 71.7%
- Number of Vehicles > 30 MPH : 67
- Percent of Vehicles > 30 MPH : 9.0%

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	16	3	1	0	0	0	0	0	0	0	0	0	20
16:00	0	16	4	1	1	0	0	0	0	0	0	0	0	22
17:00	0	18	0	0	1	0	0	0	0	0	0	0	0	19
18:00	0	14	1	0	1	0	0	0	0	0	0	0	0	16
19:00	0	14	1	0	1	0	0	0	0	0	0	0	0	16
20:00	0	15	0	0	0	0	0	0	0	0	0	0	0	15
21:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
22:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Day Total	0	105	10	2	4	0	0	0	0	0	0	0	0	121
Percent	0.0%	86.8%	8.3%	1.7%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.		17:00 18	16:00 4	15:00 1	16:00 1									16:00 22

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/21/23	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
05:00	1	13	3	0	0	0	0	0	0	0	0	0	0	17
06:00	1	<b>40</b>	9	1	1	0	0	0	0	0	0	0	0	<b>52</b>
07:00	0	33	7	1	0	0	0	0	0	0	0	0	0	41
08:00	0	32	<b>10</b>	<b>2</b>	<b>2</b>	0	0	0	0	0	0	0	0	46
09:00	0	15	3	0	0	0	0	0	0	0	0	0	0	18
10:00	0	26	0	0	1	<b>2</b>	0	0	0	0	0	0	0	29
11:00	0	20	4	1	1	0	0	0	0	0	0	0	0	26
12 PM	0	13	2	1	2	0	0	0	0	0	0	0	0	18
13:00	0	16	0	<b>2</b>	0	0	0	0	0	0	0	0	0	18
14:00	0	15	3	0	0	0	0	0	0	0	0	0	0	18
15:00	0	17	4	1	0	0	0	0	0	0	0	0	0	22
16:00	0	<b>20</b>	3	0	<b>3</b>	0	0	0	0	0	0	0	0	<b>26</b>
17:00	0	19	<b>5</b>	0	0	0	0	0	0	0	0	0	0	24
18:00	<b>1</b>	4	0	0	0	0	0	0	0	0	0	0	0	5
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	3	290	56	9	10	2	0	0	0	0	0	0	0	370
Percent	0.8%	78.4%	15.1%	2.4%	2.7%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	05:00	06:00	08:00	08:00	08:00	10:00								06:00
Vol.	1	40	10	2	2	2								52
PM Peak	18:00	16:00	17:00	13:00	16:00									16:00
Vol.	1	20	5	2	3									26
Grand Total	3	395	66	11	14	2	0	0	0	0	0	0	0	491
Percent	0.6%	80.4%	13.4%	2.2%	2.9%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	



**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	14	5	0	0	0	0	0	0	0	0	0	0	19
16:00	1	62	9	0	2	0	0	0	0	0	0	0	0	74
17:00	1	<b>64</b>	10	0	2	0	0	0	0	0	0	0	0	<b>77</b>
18:00	0	52	11	0	0	0	0	0	0	0	0	0	0	63
19:00	0	27	3	0	0	0	0	0	0	0	0	0	0	30
20:00	0	30	7	0	0	0	0	0	0	0	0	0	0	37
21:00	0	23	1	0	1	0	0	0	0	0	0	0	0	25
22:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14
23:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7
Day Total	2	289	50	0	5	0	0	0	0	0	0	0	0	346
Percent	0.6%	83.5%	14.5%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.	16:00 1	17:00 64	18:00 11		16:00 2									17:00 77

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Fordyce Rd  
 Segment: 305' S/O Grove St  
 Date: 6/20/2023

GPS: 41.567259, -73.405044

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/21/23	0	2	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
06:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
07:00	0	13	3	0	0	0	0	0	0	0	0	0	0	16
08:00	0	16	<b>6</b>	0	0	0	0	0	0	0	0	0	0	<b>22</b>
09:00	0	17	1	0	<b>1</b>	0	0	0	0	0	0	0	0	19
10:00	0	13	4	0	1	0	0	0	0	0	0	0	0	18
11:00	0	<b>18</b>	1	0	0	0	0	0	0	0	0	0	0	19
12 PM	0	29	4	0	1	0	0	0	0	0	0	0	0	34
13:00	0	15	2	0	1	0	0	0	0	0	0	0	0	18
14:00	0	19	10	0	1	0	0	0	0	0	0	0	0	30
15:00	0	41	3	0	1	0	0	0	0	0	0	0	0	45
16:00	<b>1</b>	<b>68</b>	<b>11</b>	0	<b>2</b>	0	0	0	0	0	0	0	0	<b>82</b>
17:00	0	60	9	0	1	0	0	0	0	0	0	0	0	70
18:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	1	327	59	0	9	0	0	0	0	0	0	0	0	396
Percent	0.3%	82.6%	14.9%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		11:00	08:00		09:00									08:00
Vol.		18	6		1									22
PM Peak	16:00	16:00	16:00		16:00									16:00
Vol.	1	68	11		2									82
Grand Total	3	616	109	0	14	0	0	0	0	0	0	0	0	742
Percent	0.4%	83.0%	14.7%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

## Tri-State Traffic Data

### 184 Baker Rd Coatesville, PA 19320

Location: New Milford  
 Road Name: Hine Hill Road  
 Segment: 157' E/O Grove Rd  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

Start Time	19-Jun-23		20-Jun-23		21-Jun-23		22-Jun-23		23-Jun-23		Weekday Average		24-Jun-23		25-Jun-23	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	7	3	*	*	*	*	7	3	*	*	*	*
01:00	*	*	*	*	2	2	*	*	*	*	2	2	*	*	*	*
02:00	*	*	*	*	2	3	*	*	*	*	2	3	*	*	*	*
03:00	*	*	*	*	1	6	*	*	*	*	1	6	*	*	*	*
04:00	*	*	*	*	1	18	*	*	*	*	1	18	*	*	*	*
05:00	*	*	*	*	5	64	*	*	*	*	5	64	*	*	*	*
06:00	*	*	*	*	34	125	*	*	*	*	34	125	*	*	*	*
07:00	*	*	*	*	67	180	*	*	*	*	67	180	*	*	*	*
08:00	*	*	*	*	89	171	*	*	*	*	89	171	*	*	*	*
09:00	*	*	*	*	83	113	*	*	*	*	83	113	*	*	*	*
10:00	*	*	*	*	91	110	*	*	*	*	91	110	*	*	*	*
11:00	*	*	*	*	123	92	*	*	*	*	123	92	*	*	*	*
12:00 PM	*	*	*	*	116	111	*	*	*	*	116	111	*	*	*	*
01:00	*	*	*	*	141	99	*	*	*	*	141	99	*	*	*	*
02:00	*	*	*	*	133	83	*	*	*	*	133	83	*	*	*	*
03:00	*	*	402	87	185	86	*	*	*	*	294	86	*	*	*	*
04:00	*	*	233	133	215	124	*	*	*	*	224	128	*	*	*	*
05:00	*	*	279	101	247	113	*	*	*	*	263	107	*	*	*	*
06:00	*	*	160	104	122	67	*	*	*	*	141	86	*	*	*	*
07:00	*	*	127	65	*	*	*	*	*	*	127	65	*	*	*	*
08:00	*	*	102	41	*	*	*	*	*	*	102	41	*	*	*	*
09:00	*	*	62	26	*	*	*	*	*	*	62	26	*	*	*	*
10:00	*	*	36	9	*	*	*	*	*	*	36	9	*	*	*	*
11:00	*	*	24	8	*	*	*	*	*	*	24	8	*	*	*	*
Total	0	0	1425	574	1664	1570	0	0	0	0	2168	1736	0	0	0	0
Day	0	0	1999		3234		0	0	0	0	3904		0	0	0	
AM Peak	-	-	-	-	11:00	07:00	-	-	-	-	11:00	07:00	-	-	-	-
Vol.	-	-	-	-	123	180	-	-	-	-	123	180	-	-	-	-
PM Peak	-	-	15:00	16:00	17:00	16:00	-	-	-	-	15:00	16:00	-	-	-	-
Vol.	-	-	402	133	247	124	-	-	-	-	294	128	-	-	-	-

Comb. Total	0	1999	3234	0	0	3904	0	0
ADT	ADT 3,904	AADT 3,904						

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Hine Hill Rd  
 Segment: 157' E/O Grove St  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

EB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	359	40	2	0	0	0	0	0	0	0	0	0	0	0	0	401
16:00	165	61	7	0	0	0	0	0	0	0	0	0	0	0	0	233
17:00	165	110	3	1	0	0	0	0	0	0	0	0	0	0	0	279
18:00	85	69	6	0	0	0	0	0	0	0	0	0	0	0	0	160
19:00	77	45	5	0	0	0	0	0	0	0	0	0	0	0	0	127
20:00	63	36	3	0	0	0	0	0	0	0	0	0	0	0	0	102
21:00	39	23	0	0	0	0	0	0	0	0	0	0	0	0	0	62
22:00	18	17	1	0	0	0	0	0	0	0	0	0	0	0	0	36
23:00	11	12	1	0	0	0	0	0	0	0	0	0	0	0	0	24
Total	982	413	28	1	0	0	0	0	0	0	0	0	0	0	0	1424



## Tri-State Traffic Data

### 184 Baker Rd Coatesville, PA 19320

Location: New Milford  
 Road Name: Hine Hill Rd  
 Segment: 157' E/O Grove St  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

EB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/21/23	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	7
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
06:00	27	6	1	0	0	0	0	0	0	0	0	0	0	0	0	34
07:00	46	20	1	0	0	0	0	0	0	0	0	0	0	0	0	67
08:00	68	18	3	0	0	0	0	0	0	0	0	0	0	0	0	89
09:00	62	18	3	0	0	0	0	0	0	0	0	0	0	0	0	83
10:00	60	28	3	0	0	0	0	0	0	0	0	0	0	0	0	91
11:00	80	38	5	0	0	0	0	0	0	0	0	0	0	0	0	123
12 PM	79	33	4	0	0	0	0	0	0	0	0	0	0	0	0	116
13:00	102	37	2	0	0	0	0	0	0	0	0	0	0	0	0	141
14:00	80	52	1	0	0	0	0	0	0	0	0	0	0	0	0	133
15:00	116	64	5	0	0	0	0	0	0	0	0	0	0	0	0	185
16:00	147	59	9	0	0	0	0	0	0	0	0	0	0	0	0	215
17:00	165	76	5	1	0	0	0	0	0	0	0	0	0	0	0	247
18:00	78	41	4	0	0	0	0	0	0	0	0	0	0	0	0	123
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	1122	496	46	1	0	0	0	0	0	0	0	0	0	0	0	1665
Grand Total	2104	909	74	2	0	0	0	0	0	0	0	0	0	0	0	3089

Stats

- 15th Percentile : 4 MPH
- 50th Percentile : 14 MPH
- 85th Percentile : 22 MPH
- 95th Percentile : 24 MPH
- Mean Speed(Average) : 15 MPH
- 10 MPH Pace Speed : 16-25 MPH
- Number in Pace : 1435
- Percent in Pace : 46.5%
- Number of Vehicles > 30 MPH : 2
- Percent of Vehicles > 30 MPH : 0.1%

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Hine Hill Rd  
 Segment: 157' E/O Grove St  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

WB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	66	18	3	0	0	0	0	0	0	0	0	0	0	0	0	87
16:00	95	33	5	0	0	0	0	0	0	0	0	0	0	0	0	133
17:00	64	31	6	0	0	0	0	0	0	0	0	0	0	0	0	101
18:00	61	37	6	0	0	0	0	0	0	0	0	0	0	0	0	104
19:00	31	30	4	0	0	0	0	0	0	0	0	0	0	0	0	65
20:00	12	25	4	0	0	0	0	0	0	0	0	0	0	0	0	41
21:00	3	20	2	1	0	0	0	0	0	0	0	0	0	0	0	26
22:00	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0	9
23:00	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	335	203	35	1	0	0	0	0	0	0	0	0	0	0	0	574

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Hine Hill Rd  
 Segment: 157' E/O Grove St  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

WB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/21/23	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	6
04:00	3	9	6	0	0	0	0	0	0	0	0	0	0	0	0	18
05:00	21	33	8	2	0	0	0	0	0	0	0	0	0	0	0	64
06:00	69	50	6	0	0	0	0	0	0	0	0	0	0	0	0	125
07:00	121	51	9	0	0	0	0	0	0	0	0	0	0	0	0	181
08:00	132	38	2	0	0	0	0	0	0	0	0	0	0	0	0	172
09:00	51	47	15	0	0	0	0	0	0	0	0	0	0	0	0	113
10:00	48	52	10	1	0	0	0	0	0	0	0	0	0	0	0	111
11:00	40	45	7	0	0	0	0	0	0	0	0	0	0	0	0	92
12 PM	54	45	11	1	0	0	0	0	0	0	0	0	0	0	0	111
13:00	46	42	11	0	0	0	0	0	0	0	0	0	0	0	0	99
14:00	36	36	11	0	0	0	0	0	0	0	0	0	0	0	0	83
15:00	45	35	5	1	0	0	0	0	0	0	0	0	0	0	0	86
16:00	92	28	4	0	0	0	0	0	0	0	0	0	0	0	0	124
17:00	65	39	9	0	0	0	0	0	0	0	0	0	0	0	0	113
18:00	44	20	3	0	0	0	0	0	0	0	0	0	0	0	0	67
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	868	577	123	5	0	0	0	0	0	0	0	0	0	0	0	1573
Grand Total	1203	780	158	6	0	0	0	0	0	0	0	0	0	0	0	2147

Stats

- 15th Percentile : 5 MPH
- 50th Percentile : 17 MPH
- 85th Percentile : 23 MPH
- 95th Percentile : 26 MPH
- Mean Speed(Average) : 16 MPH
- 10 MPH Pace Speed : 16-25 MPH
- Number in Pace : 1081
- Percent in Pace : 50.3%
- Number of Vehicles > 30 MPH : 6
- Percent of Vehicles > 30 MPH : 0.3%

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Hine Hill Road  
 Segment: 157' E/O Grove Rd  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	<b>2</b>	<b>307</b>	<b>74</b>	0	<b>19</b>	0	0	0	0	0	0	0	0	<b>402</b>
16:00	2	185	40	0	5	1	0	0	0	0	0	0	0	233
17:00	1	228	43	0	6	1	0	0	0	0	0	0	0	279
18:00	1	131	27	0	1	0	0	0	0	0	0	0	0	160
19:00	0	107	14	0	5	1	0	0	0	0	0	0	0	127
20:00	0	85	17	0	0	0	0	0	0	0	0	0	0	102
21:00	0	59	3	0	0	0	0	0	0	0	0	0	0	62
22:00	0	24	10	0	2	0	0	0	0	0	0	0	0	36
23:00	0	16	7	0	1	0	0	0	0	0	0	0	0	24
Day Total	6	1142	235	0	39	3	0	0	0	0	0	0	0	1425
Percent	0.4%	80.1%	16.5%	0.0%	2.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.	15:00 2	15:00 307	15:00 74		15:00 19	16:00 1								15:00 402

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Hine Hill Road  
 Segment: 157' E/O Grove Rd  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/21/23	0	3	4	0	0	0	0	0	0	0	0	0	0	7
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
06:00	0	24	8	0	2	0	0	0	0	0	0	0	0	34
07:00	0	46	16	0	4	1	0	0	0	0	0	0	0	67
08:00	1	61	24	0	3	0	0	0	0	0	0	0	0	89
09:00	1	56	19	0	7	0	0	0	0	0	0	0	0	83
10:00	1	67	15	0	7	1	0	0	0	0	0	0	0	91
11:00	0	98	23	0	1	1	0	0	0	0	0	0	0	123
12 PM	1	87	20	0	7	0	0	1	0	0	0	0	0	116
13:00	0	106	25	0	5	2	0	3	0	0	0	0	0	141
14:00	1	106	20	0	5	1	0	0	0	0	0	0	0	133
15:00	2	136	42	0	5	0	0	0	0	0	0	0	0	185
16:00	1	171	35	0	7	1	0	0	0	0	0	0	0	215
17:00	0	208	35	0	4	0	0	0	0	0	0	0	0	247
18:00	4	96	20	0	2	0	0	0	0	0	0	0	0	122
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	12	1272	309	0	60	7	0	4	0	0	0	0	0	1664
Percent	0.7%	76.4%	18.6%	0.0%	3.6%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	11:00	08:00		09:00	07:00								11:00
Vol.	1	98	24		7	1								123
PM Peak	18:00	17:00	15:00		12:00	13:00		13:00						17:00
Vol.	4	208	42		7	2		3						247
Grand Total	18	2414	544	0	99	10	0	4	0	0	0	0	0	3089
Percent	0.6%	78.1%	17.6%	0.0%	3.2%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Hine Hill Road  
 Segment: 157' E/O Grove Rd  
 Date: 6/20/2023

GPS: 41.55036, -73.405085

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	71	14	0	0	1	0	0	1	0	0	0	0	87
16:00	0	<b>110</b>	<b>17</b>	0	<b>3</b>	1	1	0	1	0	0	0	0	<b>133</b>
17:00	0	84	16	0	0	1	0	0	0	0	0	0	0	101
18:00	0	89	11	0	3	1	0	0	0	0	0	0	0	104
19:00	1	51	12	0	1	0	0	0	0	0	0	0	0	65
20:00	1	34	5	0	1	0	0	0	0	0	0	0	0	41
21:00	0	22	4	0	0	0	0	0	0	0	0	0	0	26
22:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
Day Total	2	476	81	0	8	4	1	0	2	0	0	0	0	574
Percent	0.3%	82.9%	14.1%	0.0%	1.4%	0.7%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.	19:00	16:00	16:00		16:00	15:00	16:00		15:00					16:00
	1	110	17		3	1	1		1					133

## Tri-State Traffic Data

### 184 Baker Rd Coatesville, PA 19320

Location: New Milford  
 Road Name: Lower Grove St  
 Segment: 308' S/O Hine Hill Rd  
 Date: 6/20/2023

GPS: 41.549608, -73.405674

Start Time	19-Jun-23		20-Jun-23		21-Jun-23		22-Jun-23		23-Jun-23		Weekday Average		24-Jun-23		25-Jun-23	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	37	14	*	*	*	*	37	14	*	*	*	*
01:00	*	*	*	*	16	9	*	*	*	*	16	9	*	*	*	*
02:00	*	*	*	*	5	13	*	*	*	*	5	13	*	*	*	*
03:00	*	*	*	*	8	29	*	*	*	*	8	29	*	*	*	*
04:00	*	*	*	*	13	83	*	*	*	*	13	83	*	*	*	*
05:00	*	*	*	*	58	282	*	*	*	*	58	282	*	*	*	*
06:00	*	*	*	*	178	608	*	*	*	*	178	608	*	*	*	*
07:00	*	*	*	*	378	<b>736</b>	*	*	*	*	378	<b>736</b>	*	*	*	*
08:00	*	*	*	*	397	732	*	*	*	*	397	732	*	*	*	*
09:00	*	*	*	*	337	484	*	*	*	*	337	484	*	*	*	*
10:00	*	*	*	*	359	423	*	*	*	*	359	423	*	*	*	*
11:00	*	*	*	*	<b>412</b>	432	*	*	*	*	<b>412</b>	432	*	*	*	*
12:00 PM	*	*	*	*	437	457	*	*	*	*	437	457	*	*	*	*
01:00	*	*	*	*	465	395	*	*	*	*	465	395	*	*	*	*
02:00	*	*	*	*	496	439	*	*	*	*	496	439	*	*	*	*
03:00	*	*	34	18	630	469	*	*	*	*	332	244	*	*	*	*
04:00	*	*	743	499	785	<b>537</b>	*	*	*	*	764	518	*	*	*	*
05:00	*	*	<b>880</b>	<b>542</b>	<b>862</b>	515	*	*	*	*	<b>871</b>	<b>528</b>	*	*	*	*
06:00	*	*	593	455	480	362	*	*	*	*	536	408	*	*	*	*
07:00	*	*	434	281	*	*	*	*	*	*	434	281	*	*	*	*
08:00	*	*	334	201	*	*	*	*	*	*	334	201	*	*	*	*
09:00	*	*	228	115	*	*	*	*	*	*	228	115	*	*	*	*
10:00	*	*	154	60	*	*	*	*	*	*	154	60	*	*	*	*
11:00	*	*	81	43	*	*	*	*	*	*	81	43	*	*	*	*
Total	0	0	3481	2214	6353	7019	0	0	0	0	7330	7534	0	0	0	0
Day	0	0	5695		13372		0	0	0	0	14864		0	0	0	
AM Peak	-	-	-	-	11:00	07:00	-	-	-	-	11:00	07:00	-	-	-	-
Vol.	-	-	-	-	412	736	-	-	-	-	412	736	-	-	-	-
PM Peak	-	-	17:00	17:00	17:00	16:00	-	-	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	880	542	862	537	-	-	-	-	871	528	-	-	-	-

Comb. Total	0	5695	13372	0	0	14864	0	0
ADT	ADT 14,865	AADT 14,865						

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment:  
 Date:

GPS: 41.549608, -73.405674

NB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	19	10	2	2	1	0	0	0	0	0	0	0	0	0	0	34
16:00	76	19	40	210	303	87	8	0	0	0	0	0	0	0	0	743
17:00	59	15	43	202	407	140	12	2	0	0	0	0	0	0	0	880
18:00	27	1	17	133	292	113	11	0	0	0	0	0	0	0	0	594
19:00	15	0	2	53	202	128	32	2	0	0	0	0	0	0	1	435
20:00	6	0	12	58	152	84	18	5	0	0	0	0	0	0	0	335
21:00	3	0	20	72	89	34	10	0	0	1	0	0	0	0	0	229
22:00	4	0	4	38	45	44	18	1	0	0	0	0	0	0	0	154
23:00	13	0	2	10	29	20	5	2	0	0	0	0	0	0	0	81
Total	222	45	142	778	1520	650	114	12	0	1	0	0	0	0	1	3485



**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment:  
 Date:

GPS: 41.549608, -73.405674

NB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/21/23	0	0	0	1	13	14	8	0	1	0	0	0	0	0	0	37
01:00	0	0	0	1	3	7	4	1	0	0	0	0	0	0	0	16
02:00	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
03:00	0	0	1	2	1	3	0	1	0	0	0	0	0	0	0	8
04:00	0	0	0	3	2	3	4	1	0	0	0	0	0	0	0	13
05:00	0	0	4	3	10	22	11	6	1	0	0	1	0	0	0	58
06:00	9	0	1	9	53	72	28	5	1	0	0	0	0	0	0	178
07:00	24	0	7	51	124	128	38	6	0	0	0	0	0	0	0	378
08:00	28	1	8	34	165	134	24	3	0	0	0	0	0	0	0	397
09:00	16	0	1	38	130	126	21	6	0	0	0	0	0	0	0	338
10:00	13	1	5	41	150	124	23	2	0	0	0	0	0	0	0	359
11:00	24	4	15	61	152	122	31	4	0	0	0	0	0	0	0	413
12 PM	29	0	12	71	170	125	28	3	0	0	0	0	0	0	0	438
13:00	19	2	9	80	182	148	25	1	0	0	0	0	0	0	0	466
14:00	27	2	9	80	190	155	32	2	0	0	0	0	0	0	0	497
15:00	50	28	7	77	251	184	32	2	0	0	0	0	0	0	0	631
16:00	58	6	33	142	268	232	46	0	0	0	0	0	0	0	0	785
17:00	54	0	8	52	394	304	47	3	0	0	0	0	0	0	0	862
18:00	42	0	3	45	147	199	44	1	0	0	0	0	0	0	0	481
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	393	44	123	791	2408	2104	446	47	3	0	0	1	0	0	0	6360
Grand Total	615	89	265	1569	3928	2754	560	59	3	1	0	1	0	0	1	9845

Stats

- 15th Percentile : 31 MPH
- 50th Percentile : 38 MPH
- 85th Percentile : 43 MPH
- 95th Percentile : 46 MPH
- Mean Speed(Average) : 37 MPH
- 10 MPH Pace Speed : 36-45 MPH
- Number in Pace : 6682
- Percent in Pace : 67.9%
- Number of Vehicles > 30 MPH : 8876
- Percent of Vehicles > 30 MPH : 90.2%

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment:  
 Date:

GPS: 41.549608, -73.405674

SB

Start Time	1	21	26	31	36	41	46	51	56	61	66	71	76	81	86	Total
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	9999	
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	13	2	1	2	0	0	0	0	0	0	0	0	0	0	0	18
16:00	41	1	7	66	177	176	28	4	0	0	0	0	0	0	0	500
17:00	51	0	8	55	186	198	37	4	2	0	0	0	0	0	1	542
18:00	27	2	5	43	159	165	48	6	1	0	0	0	0	0	0	456
19:00	16	0	4	24	95	96	40	7	0	0	0	0	0	0	0	282
20:00	7	1	1	15	44	85	37	10	1	0	0	0	0	0	0	201
21:00	7	0	3	29	42	22	9	2	1	0	0	0	0	0	0	115
22:00	14	0	0	7	9	16	8	4	0	1	1	0	0	0	0	60
23:00	10	1	0	4	6	16	5	2	0	0	0	0	0	0	0	44
Total	186	7	29	245	718	774	212	39	5	1	1	0	0	0	1	2218

## Tri-State Traffic Data

### 184 Baker Rd

### Coatesville, PA 19320

Location: New Milford  
 Road Name: Lower Grove St  
 Segment:  
 Date:

GPS: 41.549608, -73.405674

SB

Start Time	1 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 9999	Total
06/21/23	0	0	0	3	3	6	1	1	0	0	0	0	0	0	0	14
01:00	0	0	0	0	4	1	3	1	0	0	0	0	0	0	0	9
02:00	0	1	0	1	2	5	3	0	1	0	0	0	0	0	0	13
03:00	0	0	0	2	7	7	7	4	1	0	1	0	0	0	0	29
04:00	0	0	1	5	14	20	27	13	2	1	0	0	0	0	0	83
05:00	2	0	4	10	45	92	102	24	4	0	0	0	0	0	0	283
06:00	6	0	1	29	130	251	169	20	2	0	0	0	0	0	0	608
07:00	19	0	5	46	189	336	129	12	0	1	0	0	0	0	0	737
08:00	23	0	5	68	245	285	98	9	0	0	0	0	0	0	0	733
09:00	11	0	4	33	117	202	110	6	1	1	0	0	0	0	0	485
10:00	11	0	2	42	121	163	75	8	1	0	0	0	0	0	1	424
11:00	16	0	0	31	131	179	71	4	1	0	0	0	0	0	0	433
12 PM	22	0	3	39	143	195	50	6	0	0	0	0	0	0	0	458
13:00	12	0	4	21	126	160	63	9	0	1	0	0	0	0	0	396
14:00	20	0	2	30	101	182	94	9	2	0	0	0	0	0	0	440
15:00	28	1	4	21	131	209	68	7	0	1	0	0	0	0	0	470
16:00	36	0	6	22	149	234	84	7	0	0	0	0	0	0	0	538
17:00	40	0	0	33	142	234	65	2	0	0	0	0	0	0	0	516
18:00	23	6	3	27	74	139	82	8	0	0	0	0	0	0	0	362
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>269</b>	<b>8</b>	<b>44</b>	<b>463</b>	<b>1874</b>	<b>2900</b>	<b>1301</b>	<b>150</b>	<b>15</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7031</b>
<b>Grand Total</b>	<b>455</b>	<b>15</b>	<b>73</b>	<b>708</b>	<b>2592</b>	<b>3674</b>	<b>1513</b>	<b>189</b>	<b>20</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>9249</b>

Stats

- 15th Percentile : 35 MPH
- 50th Percentile : 41 MPH
- 85th Percentile : 46 MPH
- 95th Percentile : 49 MPH
- Mean Speed(Average) : 40 MPH
- 10 MPH Pace Speed : 36-45 MPH
- Number in Pace : 6266
- Percent in Pace : 67.7%
- Number of Vehicles > 30 MPH : 8706
- Percent of Vehicles > 30 MPH : 94.1%

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment: 308' S/O Hine Hill Rd  
 Date: 6/20/2023

GPS: 41.549608, -73.405674

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	24	8	0	0	1	0	1	0	0	0	0	0	34
16:00	12	590	124	1	11	4	0	0	1	0	0	0	0	743
17:00	9	738	118	0	9	5	0	1	0	0	0	0	0	880
18:00	2	493	83	1	11	2	0	1	0	0	0	0	0	593
19:00	1	374	52	1	5	1	0	0	0	0	0	0	0	434
20:00	1	295	37	0	1	0	0	0	0	0	0	0	0	334
21:00	1	207	18	0	2	0	0	0	0	0	0	0	0	228
22:00	0	120	32	0	2	0	0	0	0	0	0	0	0	154
23:00	1	59	16	2	3	0	0	0	0	0	0	0	0	81
Day Total	27	2900	488	5	44	13	0	3	1	0	0	0	0	3481
Percent	0.8%	83.3%	14.0%	0.1%	1.3%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.	16:00	17:00	16:00	23:00	16:00	17:00		15:00	16:00					17:00
	12	738	124	2	11	5		1	1					880

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment: 308' S/O Hine Hill Rd  
 Date: 6/20/2023

GPS: 41.549608, -73.405674

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/21/23	0	28	8	0	1	0	0	0	0	0	0	0	0	37
01:00	0	16	0	0	0	0	0	0	0	0	0	0	0	16
02:00	0	3	1	0	1	0	0	0	0	0	0	0	0	5
03:00	0	6	0	1	0	0	0	1	0	0	0	0	0	8
04:00	0	10	2	0	1	0	0	0	0	0	0	0	0	13
05:00	1	45	10	0	1	0	0	0	1	0	0	0	0	58
06:00	0	134	36	3	5	0	0	0	0	0	0	0	0	178
07:00	2	271	82	3	17	3	0	0	0	0	0	0	0	378
08:00	1	298	82	2	8	2	1	1	2	0	0	0	0	397
09:00	0	262	52	1	17	3	1	0	1	0	0	0	0	337
10:00	0	272	58	1	22	3	1	0	1	1	0	0	0	359
11:00	9	323	61	2	10	4	2	0	1	0	0	0	0	412
12 PM	2	357	59	4	8	5	2	0	0	0	0	0	0	437
13:00	4	382	58	4	13	2	0	1	1	0	0	0	0	465
14:00	3	411	75	0	5	2	0	0	0	0	0	0	0	496
15:00	10	494	102	1	19	4	0	0	0	0	0	0	0	630
16:00	7	640	123	0	12	3	0	0	0	0	0	0	0	785
17:00	7	711	133	0	6	4	1	0	0	0	0	0	0	862
18:00	3	415	49	0	13	0	0	0	0	0	0	0	0	480
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	49	5078	991	22	159	35	8	3	7	1	0	0	0	6353
Percent	0.8%	79.9%	15.6%	0.3%	2.5%	0.6%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	11:00	07:00	06:00	10:00	11:00	11:00	03:00	08:00	10:00				11:00
Vol.	9	323	82	3	22	4	2	1	2	1				412
PM Peak	15:00	17:00	17:00	12:00	15:00	12:00	12:00	13:00	13:00					17:00
Vol.	10	711	133	4	19	5	2	1	1					862
Grand Total	76	7978	1479	27	203	48	8	6	8	1	0	0	0	9834
Percent	0.8%	81.1%	15.0%	0.3%	2.1%	0.5%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment: 308' S/O Hine Hill Rd  
 Date: 6/20/2023

GPS: 41.549608, -73.405674

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/20/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	13	3	0	0	2	0	0	0	0	0	0	0	18
16:00	3	374	95	<b>5</b>	<b>17</b>	<b>4</b>	0	0	0	<b>1</b>	0	0	0	499
17:00	<b>11</b>	<b>405</b>	<b>108</b>	1	14	3	0	0	0	0	0	0	0	<b>542</b>
18:00	2	364	72	0	14	3	0	0	0	0	0	0	0	455
19:00	2	219	49	0	9	2	0	0	0	0	0	0	0	281
20:00	1	171	26	0	2	1	0	0	0	0	0	0	0	201
21:00	1	94	19	0	1	0	0	0	0	0	0	0	0	115
22:00	0	48	9	1	1	1	0	0	0	0	0	0	0	60
23:00	0	31	8	0	3	1	0	0	0	0	0	0	0	43
Day Total	20	1719	389	7	61	17	0	0	0	1	0	0	0	2214
Percent	0.9%	77.6%	17.6%	0.3%	2.8%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.	17:00	17:00	17:00	16:00	16:00	16:00				16:00				17:00
	11	405	108	5	17	4				1				542

**Tri-State Traffic Data**  
**184 Baker Rd**  
**Coatesville, PA 19320**

Location: New Milford  
 Road Name: Lower Grove St  
 Segment: 308' S/O Hine Hill Rd  
 Date: 6/20/2023

GPS: 41.549608, -73.405674

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
06/21/23	0	12	2	0	0	0	0	0	0	0	0	0	0	14
01:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
02:00	0	10	3	0	0	0	0	0	0	0	0	0	0	13
03:00	0	23	6	0	0	0	0	0	0	0	0	0	0	29
04:00	0	61	19	0	3	0	0	0	0	0	0	0	0	83
05:00	2	201	74	0	5	0	0	0	0	0	0	0	0	282
06:00	1	474	121	0	11	0	1	0	0	0	0	0	0	608
07:00	3	<b>589</b>	<b>122</b>	5	16	1	0	0	0	0	0	0	0	<b>736</b>
08:00	<b>5</b>	576	117	<b>6</b>	<b>24</b>	3	1	0	0	0	0	0	0	732
09:00	2	374	78	2	21	<b>6</b>	1	0	0	0	0	0	0	484
10:00	0	323	74	4	16	5	0	0	<b>1</b>	0	0	0	0	423
11:00	1	333	82	1	10	4	1	0	0	0	0	0	0	432
12 PM	3	356	69	3	<b>17</b>	<b>5</b>	<b>2</b>	0	<b>2</b>	0	0	0	0	457
13:00	2	321	52	3	13	3	1	0	0	0	0	0	0	395
14:00	4	339	75	<b>5</b>	12	2	0	0	2	0	0	0	0	439
15:00	3	370	80	0	10	5	1	0	0	0	0	0	0	469
16:00	<b>8</b>	<b>421</b>	92	0	12	4	0	0	0	0	0	0	0	<b>537</b>
17:00	6	390	<b>97</b>	1	16	5	0	0	0	0	0	0	0	515
18:00	3	287	55	0	14	3	0	0	0	0	0	0	0	362
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	43	5466	1221	30	200	46	8	0	5	0	0	0	0	7019
Percent	0.6%	77.9%	17.4%	0.4%	2.8%	0.7%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	07:00	08:00	08:00	09:00	06:00		10:00					07:00
Vol.	5	589	122	6	24	6	1		1					736
PM Peak	16:00	16:00	17:00	14:00	12:00	12:00	12:00		12:00					16:00
Vol.	8	421	97	5	17	5	2		2					537
Grand Total	63	7185	1610	37	261	63	8	0	5	1	0	0	0	9233
Percent	0.7%	77.8%	17.4%	0.4%	2.8%	0.7%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	



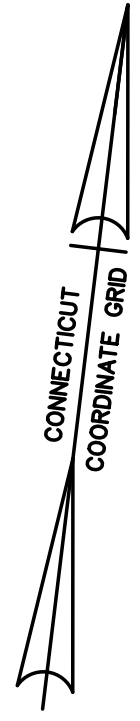


FIG. 1

NOTES:

1. SEE FIG. 2, 3 AND 4 FOR ADDITIONAL INFORMATION.

GROVE STREET AND FORDYCE ROAD INTERSECTION IMPROVEMENTS		10/19/2023
		DATE
<b>KSE</b> KS ENGINEERS, P.C. Engineers • Surveyors • Construction Managers 2080 Silas Deane Highway, Unit 102A   Rocky Hill, CT 06067 Phone: (860)920-5912		N.T.S.
		SCALE



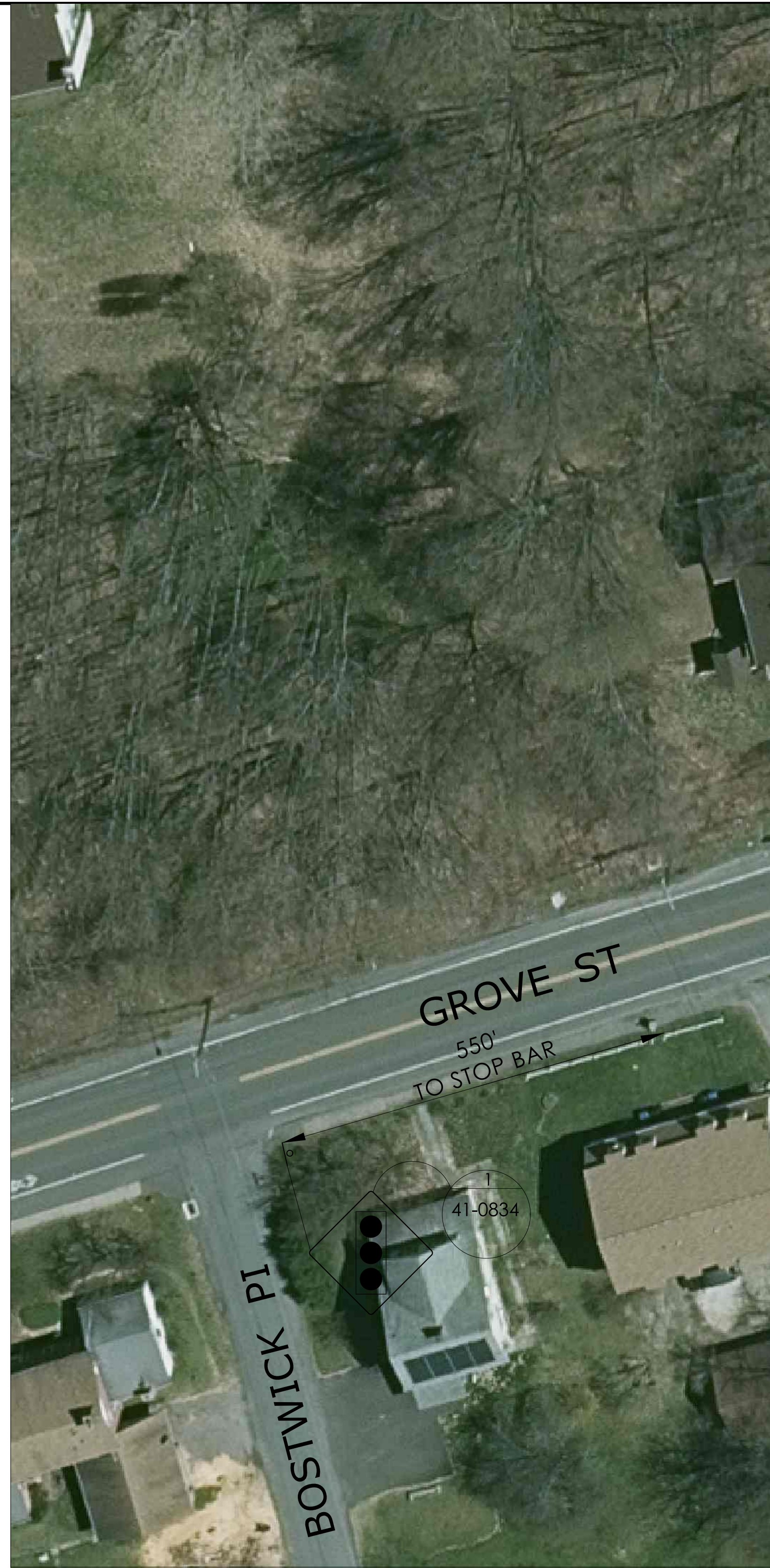
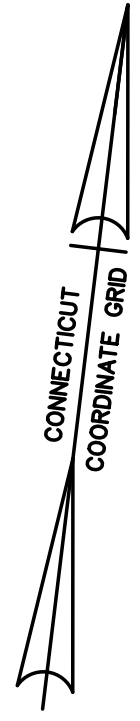


FIG. 2  
(WEST OF FORDYCE RD)

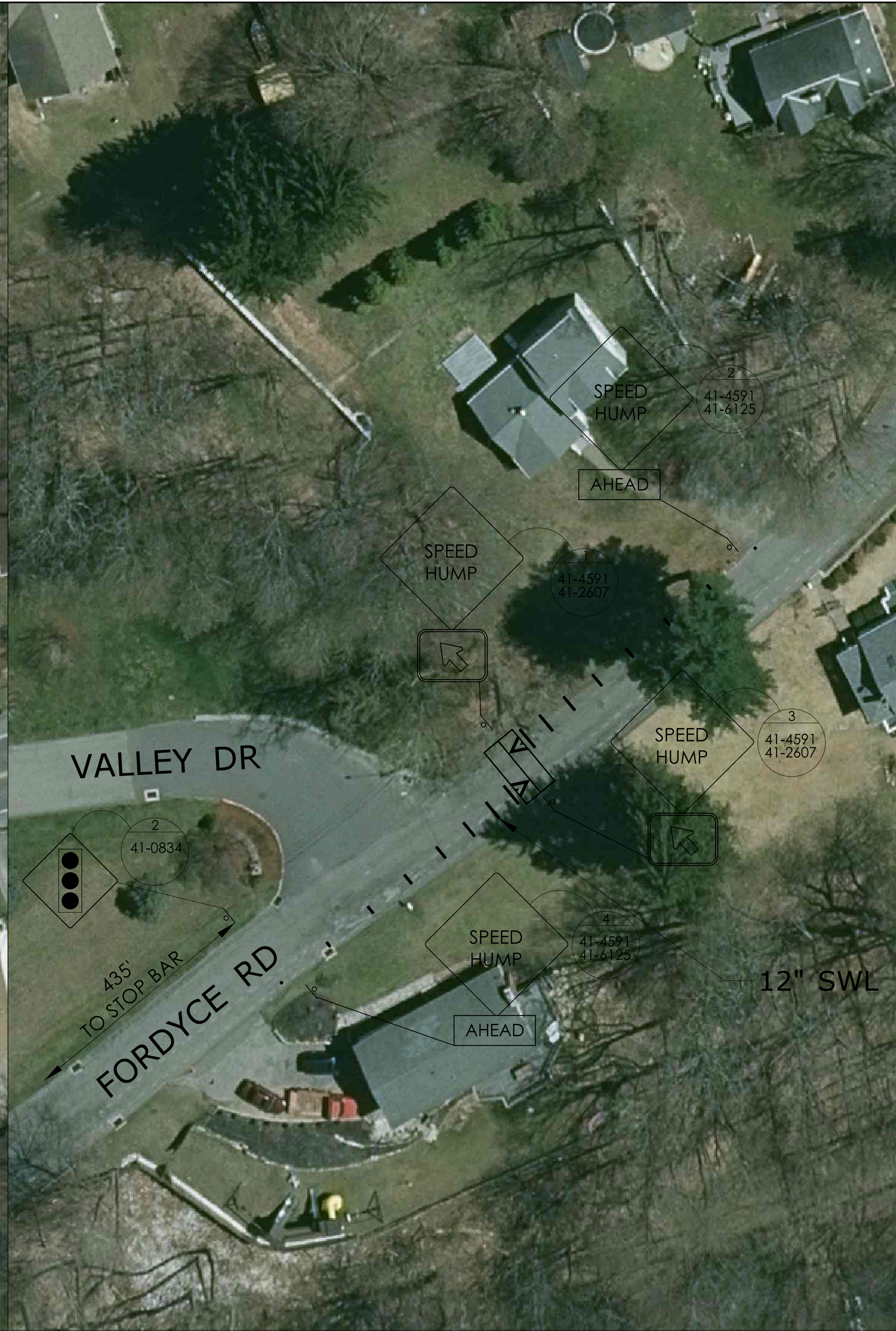


FIG. 3

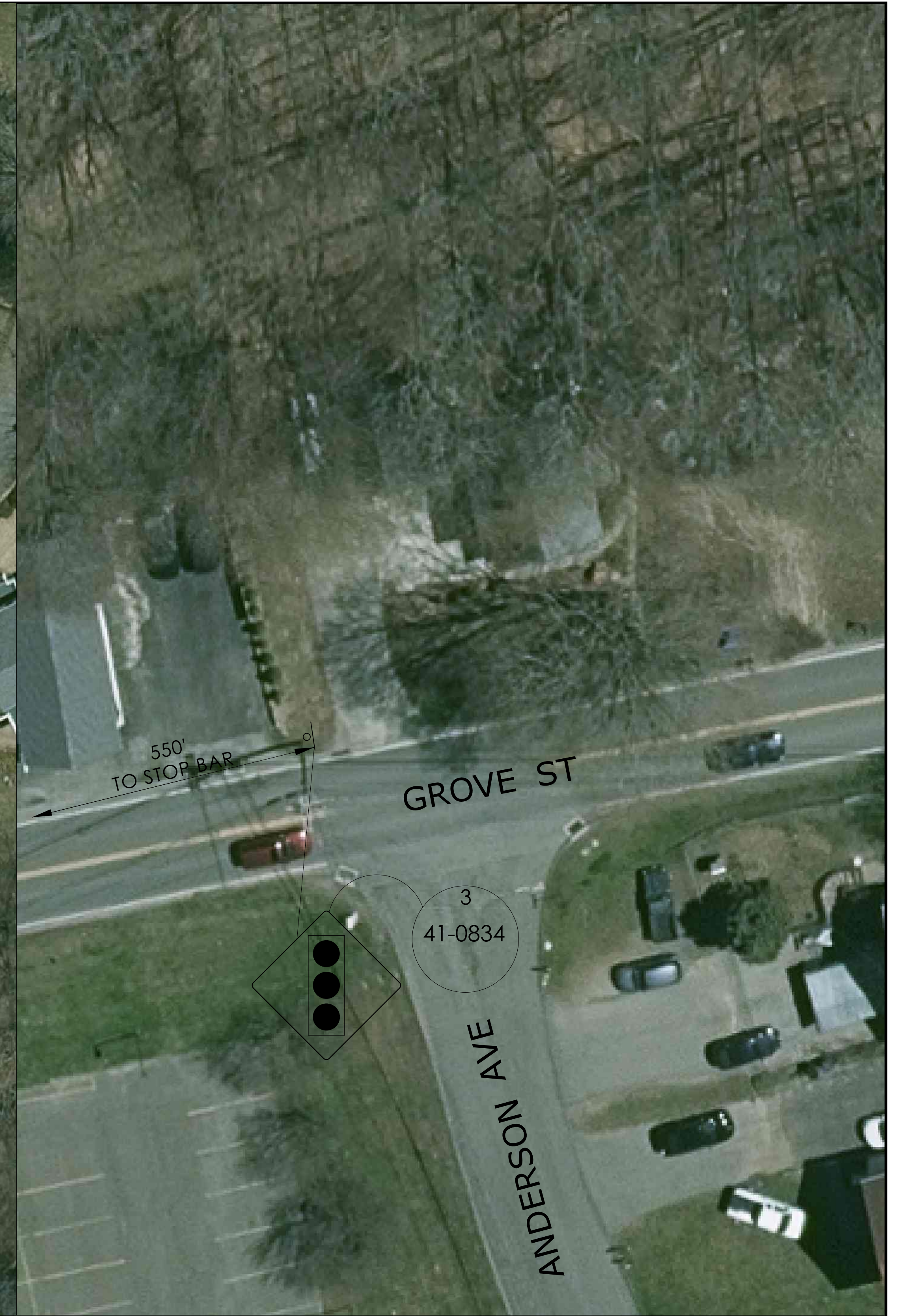


FIG. 4  
(EAST OF FORDYCE RD)

NOTES:

1. SEE FIG. 1 FOR ADDITIONAL INFORMATION.

GROVE STREET AND FORDYCE ROAD INTERSECTION IMPROVEMENTS		10/19/2023 DATE
<b>KSE</b> <small>KS ENGINEERS, P.C.</small> Engineers • Surveyors • Construction Managers 2080 Silas Deane Highway, Unit 102A   Rocky Hill, CT 06067 Phone: (860)920-5912		N.T.S. SCALE



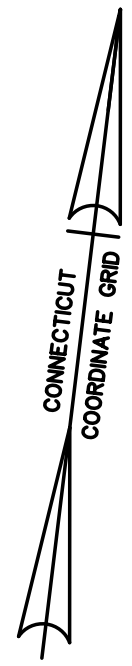


FIG.1

NOTES:

1. SEE FIG. 2, 3 AND 4 FOR ADDITIONAL INFORMATION.

GROVE STREET AND HINE HILL ROAD INTERSECTION IMPROVEMENTS		10/19/2023
		DATE
<b>KSE</b> KS ENGINEERS, P.C. Engineers • Surveyors • Construction Managers 2080 Silas Deane Highway, Unit 102A   Rocky Hill, CT 06067 Phone: (860)920-5912		N.T.S.
		SCALE



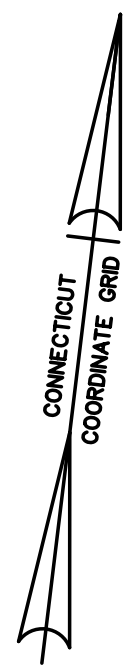


FIG. 2  
(WEST OF HINE HILL RD)

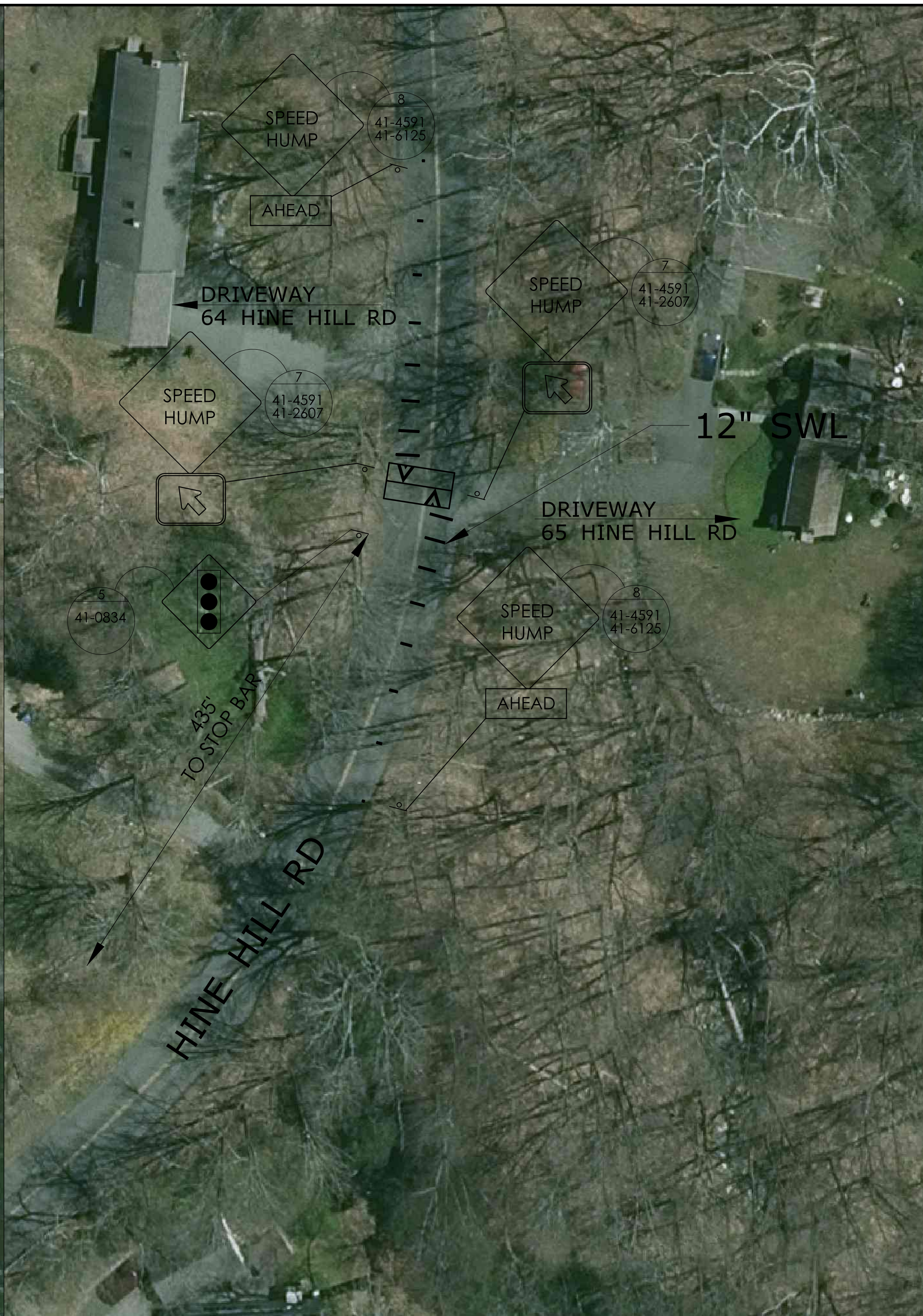


FIG. 3



FIG. 4  
(EAST OF HINE HILL RD)

NOTES:

1. SEE FIG. 1 FOR ADDITIONAL INFORMATION.

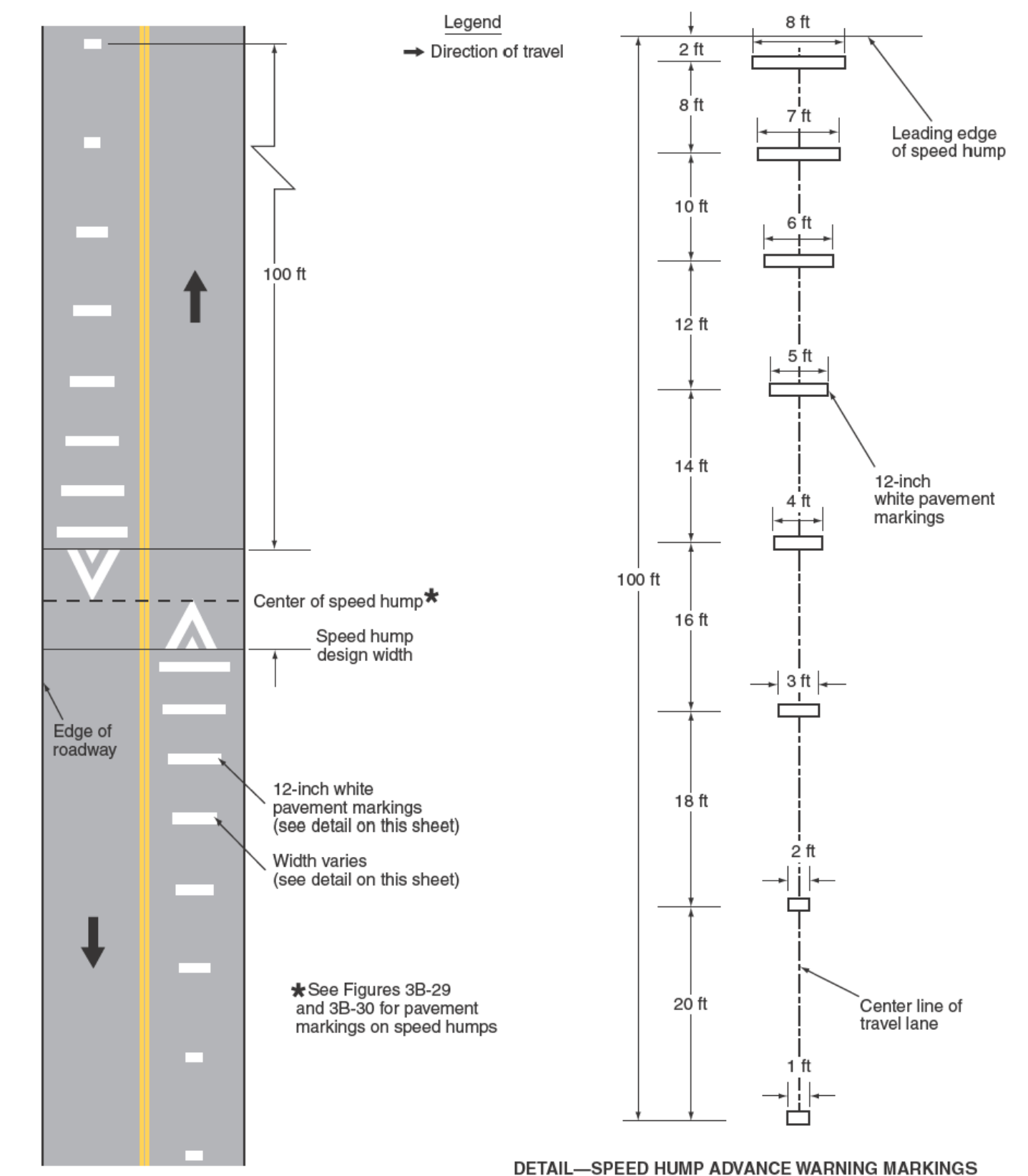
GROVE STREET AND HINE HILL ROAD INTERSECTION IMPROVEMENTS		10/19/2023 DATE
<b>KSE</b> <small>KS ENGINEERS, P.C.</small> Engineers • Surveyors • Construction Managers 2080 Silas Deane Highway, Unit 102A   Rocky Hill, CT 06067 Phone: (860)920-5912		N.T.S. SCALE





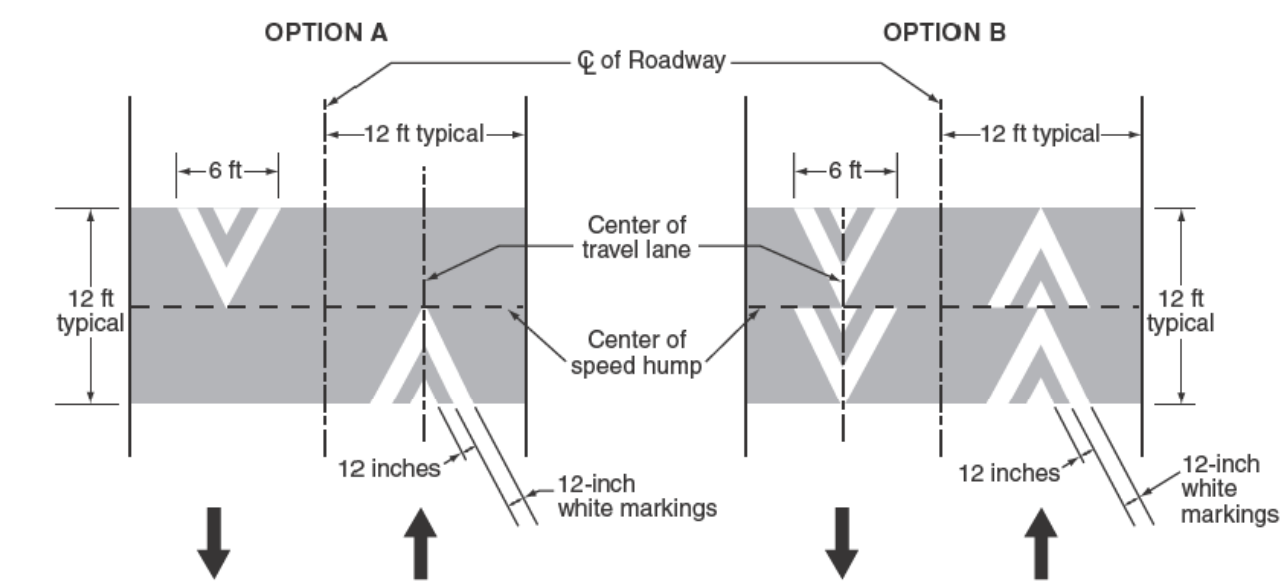
SPEED TABLE LOWER GROVE ST  
(BETWEEN FORDYCE RD AND HINE HILL RD)

Figure 3B-31. Advance Warning Markings for Speed Humps



DETAIL—SPEED HUMP ADVANCE WARNING MARKINGS

Figure 3B-29. Pavement Markings for Speed Humps without Crosswalks



SPEED TABLE DETAILS

SPEED TABLE ON GROVE STREET		10/19/2023
		DATE
		N.T.S
		SCALE
<b>KSE</b> KS ENGINEERS, P.C.	Engineers • Surveyors • Construction Managers	
	2080 Silas Deane Highway, Unit 102A   Rocky Hill, CT 06067	
	Phone: (860)920-5912	





### Preliminary Cost Estimate

<b>Item</b>	<b>Unit</b>	<b>Unit cost</b>	<b>Total cost</b>
Traffic signal warrant study	1	\$5,000	\$5,000
Preliminary and Final Design	LS	\$75,000	\$75,000
Mast Arms (4)	EA	\$25,000	\$100,000
Traffic Control Foundations (4)	EA	\$15,000	\$60,000
Traffic Controller Cabinet (2)	EA	\$9,000	\$18,000
Conduits	LS	\$5,000	\$5,000
Signage	LS	\$5,000	\$5,000
Speed Bumps	EA	\$5,000	\$15,000
ROW	LS	\$50,000	\$50,000
MPT	LS	\$20,000	\$20,000
Pavement Markings	LS	\$2,000	\$2,000
Construction Staking (5%)	EST	\$1,750	\$1,750
Incidentals (40%)	EST	\$140,000.0	\$140,000.0
Contingency (20%)	EST	\$70,000.0	\$70,000.0
Construction Inspection and Oversight	EST	\$60,000.0	\$60,000.0
			<b>\$626,750</b>
			<b>\$630,000</b>
			(say)