

Appendix C. Crash Data

Table 1. MassHighway Crash Data Summary

Scenario	Adams/Granite (west)	Adams/Bryant	Bryant/Edge Hill		
Year					
2006	13	1			
2007	12	2	6		
2008	7	3	3		
Total	32	6	9	0	0
Type of Crash					
Single Vehicle	2				
Angle	1	4	7		
Rear-end	22		1		
Sideswipe (same direction)	4	2	1		
Sideswipe (opposite direction)					
Head-on	1				
Not Reported	2				
Total	32	6	9	0	0
Crash Severity					
Property Damage Only	23	5	7		
Non-fatal Injury	4		1		
Fatality					
Hit and Run					
Unknown	5	1	1		
Total	32	6	9	0	0
Light Condition					
Day	21	5	8		
Dusk/Dawn	1				
Dark (road lit)	9	1	1		
Dark (road unlit)	1				
Unknown					
Total	32	6	9	0	0
Road Condition					
Dry	23	4	6		
Wet	6	2	2		
Snow					
Ice	2		1		
Other/Unknown	1				
Total	32	6	9	0	0
Time of Day					
6:00–8:59 a.m.	8		2		
9:00 a.m.–2:59 p.m.	11	3	7		
3:00–5:59 p.m.	6	2			
6:00 p.m.–5:59 a.m.	7	1			
Total	32	6	9	0	0
Day of Week					
Monday	6		1		
Tuesday	3	1	1		
Wednesday	9	2	2		
Thursday	4		2		
Friday	6	1			
Saturday	1	2	2		
Sunday	3		1		
Total	32	6	9	0	0
Collision w/ Ped Collision w/ Bike					
Crash Rate	1.34	0.28	0.51		
District Average	0.78	0.78	0.78	0.78	0.78

Masshighway

CRASH RATE WORKSHEET

CITY/TOWN : Milton

COUNT DATE : Jul-10

DISTRICT : 6

UNSIGNALIZED :

SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Granite Avenue

MINOR STREET(S) : Adams Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



Peak Hour Volumes

APPROACH :	1	2	3	4	5	Total
DIRECTION :	EB	WB	NB	SB		Entering
VOLUMES (AM) :	426	396	1,143	0		1,965

" K " FACTOR : APPROACH ADT : ADT = TOTAL VOL/"K" FACT.

TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES (A) :

CRASH RATE CALCULATION : RATE = $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments :
Project Title & Date:

Masshighway

CRASH RATE WORKSHEET

CITY/TOWN : Milton

COUNT DATE : Jul-10

DISTRICT : 6

UNSIGNALIZED :

SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Adams Street

MINOR STREET(S) : Bryant Avenue

**INTERSECTION
DIAGRAM**
(Label Approaches)



Peak Hour Volumes

APPROACH :	1	2	3	4	5	Total Entering
DIRECTION :	EB	WB	NB	SB		
VOLUMES (AM) :	1,773	0	0	0		1,773

" K " FACTOR : APPROACH ADT : ADT = TOTAL VOL/"K" FACT.

TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES (A) :

CRASH RATE CALCULATION : RATE = $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments :
Project Title & Date:

MassHighway

CRASH RATE WORKSHEET

CITY/TOWN : Milton COUNT DATE : Jul-10
 DISTRICT : 6 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Bryant Avenue
 MINOR STREET(S) : Edge Hill Street

**INTERSECTION
 DIAGRAM**
 (Label Approaches)



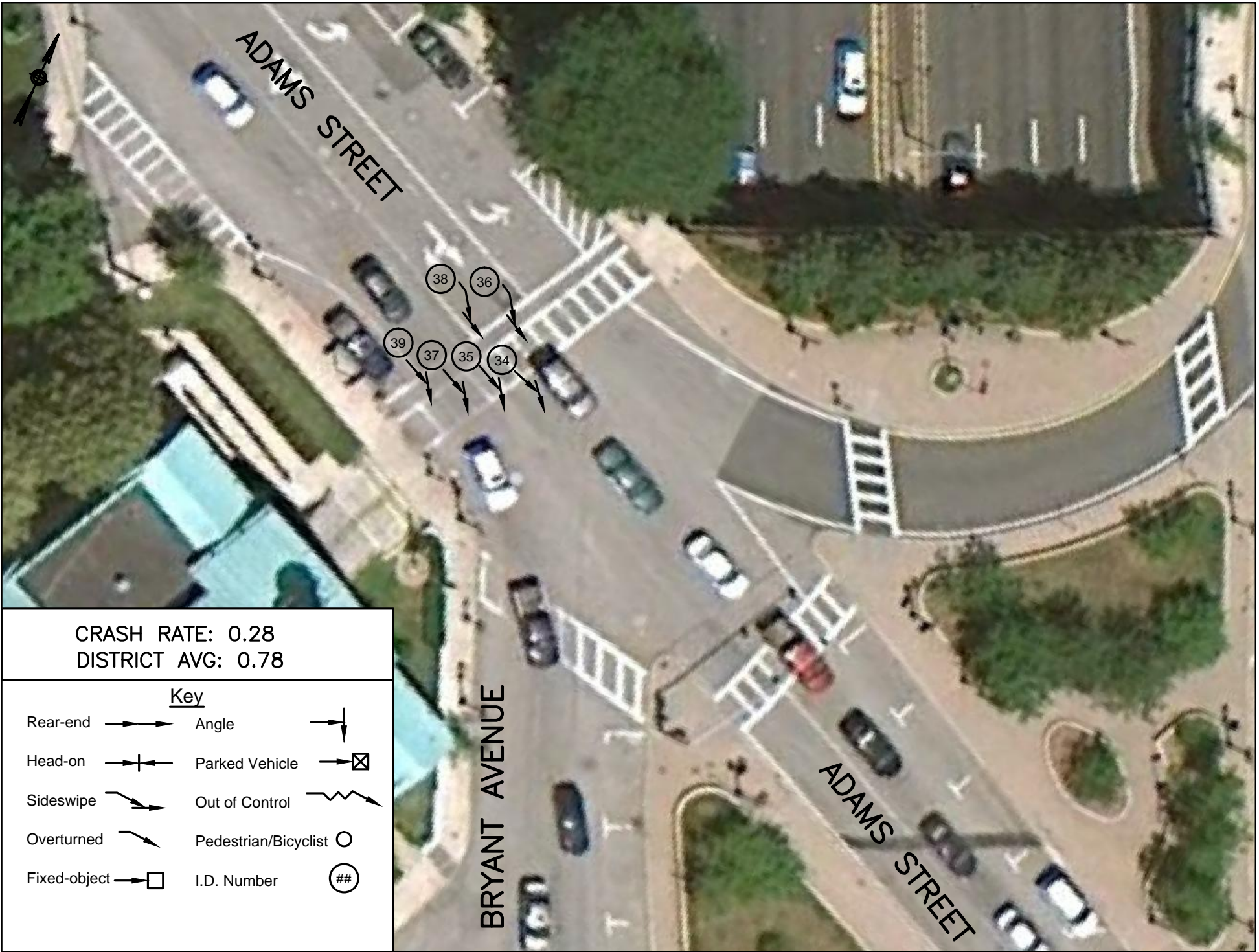
Peak Hour Volumes						
APPROACH :	1	2	3	4	5	Total
DIRECTION :	EB	WB	NB	SB		Entering
VOLUMES (AM) :	484	0	0	963		1,447

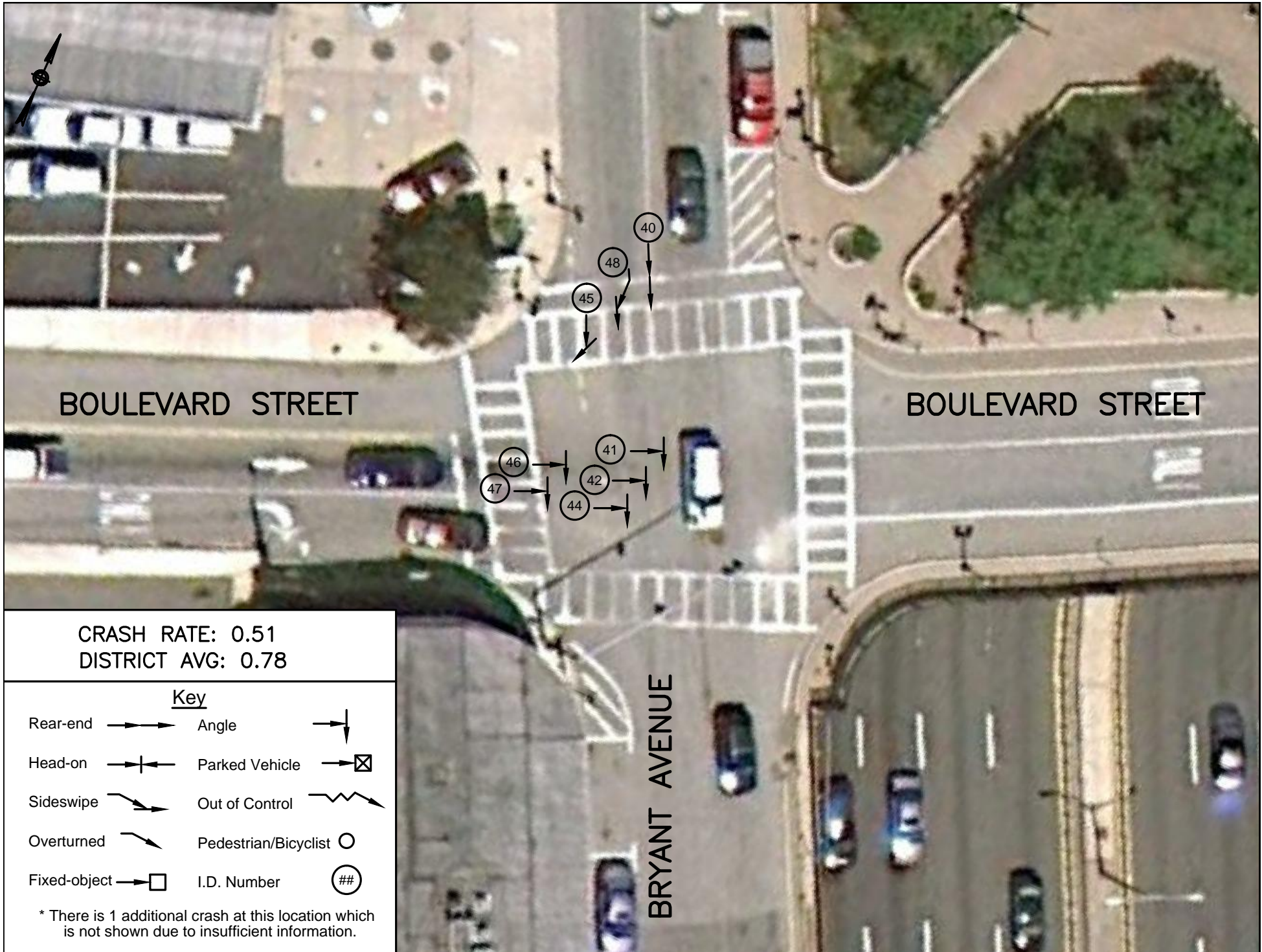
" K " FACTOR : APPROACH ADT : ADT = TOTAL VOL/"K" FACT.

TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES (A) :

CRASH RATE CALCULATION : RATE =
$$\frac{(A * 1,000,000)}{(ADT * 365)}$$

Comments :
 Project Title & Date:



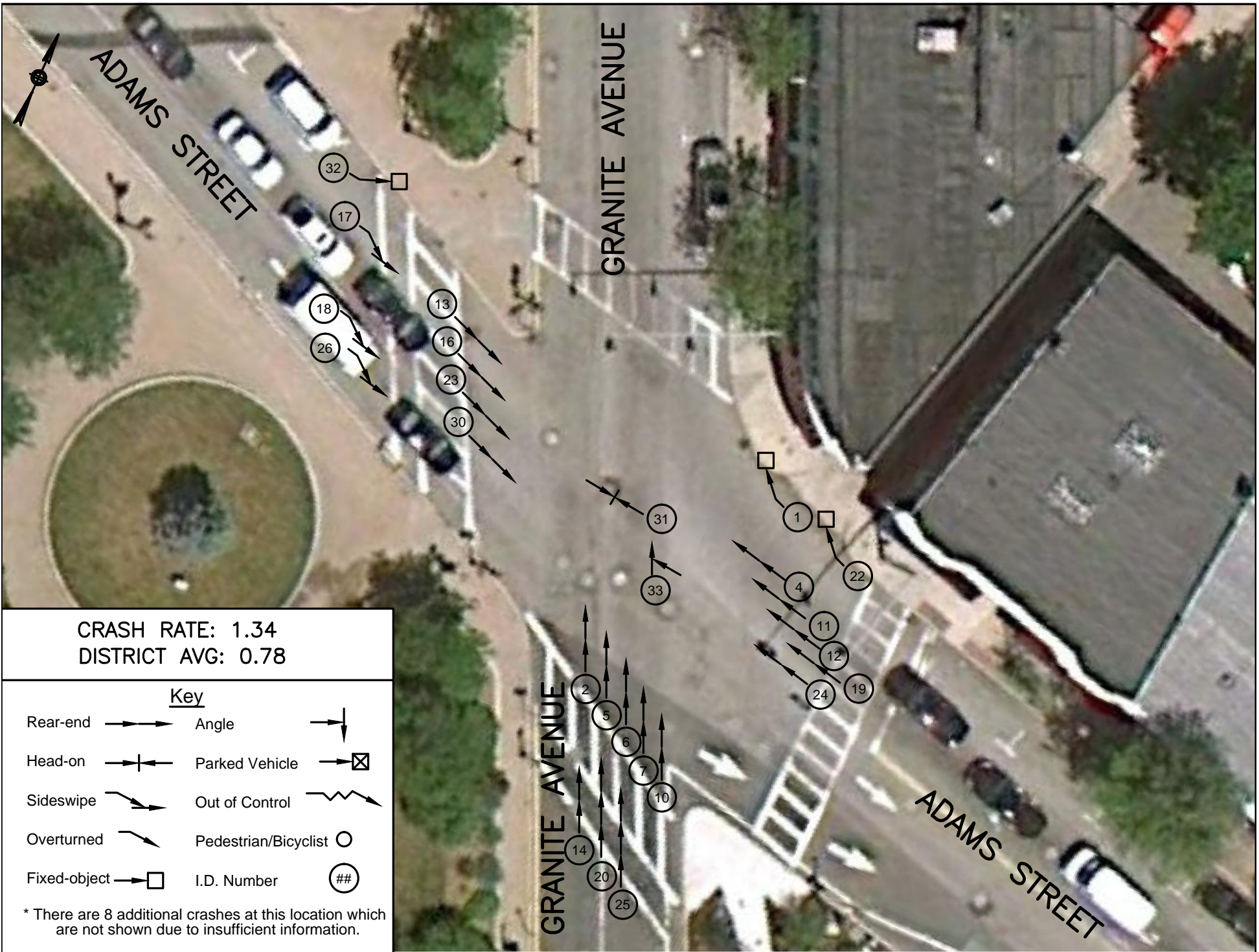


CRASH RATE: 0.51
 DISTRICT AVG: 0.78

Key			
Rear-end	→→→	Angle	→↓
Head-on	← →	Parked Vehicle	→☒
Sideswipe	↘↗	Out of Control	→⚡
Overtaken	↘	Pedestrian/Bicyclist	○
Fixed-object	→☐	I.D. Number	##

* There is 1 additional crash at this location which is not shown due to insufficient information.





CRASH RATE: 1.34
 DISTRICT AVG: 0.78

Key

- | | | | |
|--------------|-----|----------------------|----|
| Rear-end | →→→ | Angle | ↘ |
| Head-on | ← → | Parked Vehicle | →☒ |
| Sideswipe | ↘↗ | Out of Control | ↗ |
| Overturned | ↘ | Pedestrian/Bicyclist | ○ |
| Fixed-object | →☐ | I.D. Number | ⊕ |

* There are 8 additional crashes at this location which are not shown due to insufficient information.