



## **Traffic Engineering and Parking Divisions**

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### **INTERIM REDESIGN OPTIONS FOR INTERSECTION OF BLAIR STREET, JOHN NOLEN DRIVE AND WILLIAMSON STREET**

**Problem Statement:** Many people have complained that the intersection is not Ped/Bike friendly, lacks left turn lanes, generally has too many things going on, too many conflicts. Recently, people have said that the intersection needs to be “fixed” before any development projects go forward—the intersection is holding up development.

- Recent Meetings on Redevelopment Projects (Brink Essen Haus, Rifkin Project):  
*Intersection is “cats & dogs living together.”*
- In response, a Listening Session was held 1/25/2006: Many comments made.
- Potential Funding available in City Engineering for interim project—need to develop options in response to Listening Session.

**Objective:** Decide on a redesign option and next steps/phases for reconstruction of the intersection.

#### **Intersection Review and Findings:**

- Intersection was reconstructed in 1985
- Traffic volumes approx. 60,000 motor vehicles per day
- Bicycle traffic counts: 1,500 –2,000 bikes per day
- Safety record—medium level: Average 13 total per year—1 bike crash per year—0 ped crashes (See attached handout)
- Pedestrian/Bikes have too many conflicts
- Intersection is a crossroad of multiple streets, railroads and two major bike paths
- No left turn on JND and Blair Street causes back-ups and rear-ends, red light running
- Intersection modeling yet needed for level of service (LOS); detailed turning movement, traffic counts scheduled

**Redesign Options: See attached handouts—Open for Review and Comment**

#### **Next Steps:**

- Meet with Property Owners (Gateway, Machinery Row)
- Signal Modeling
- Cost Estimates and Schedule
- Public Information Meeting

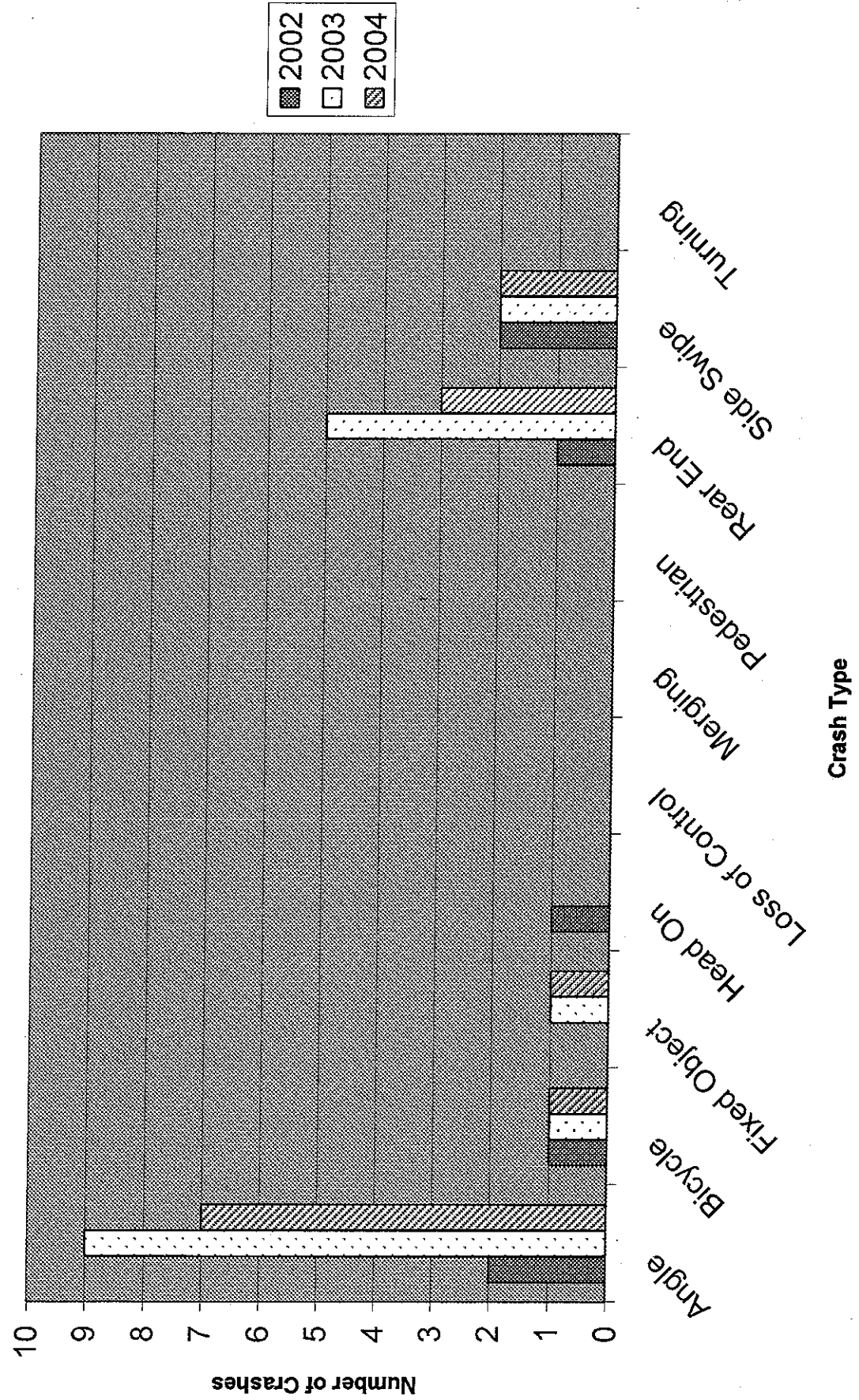
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**INTERSECTION: John Nolen Drive/Blair St./Williamson St./Wilson St.**

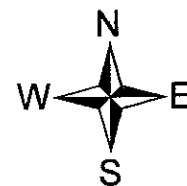
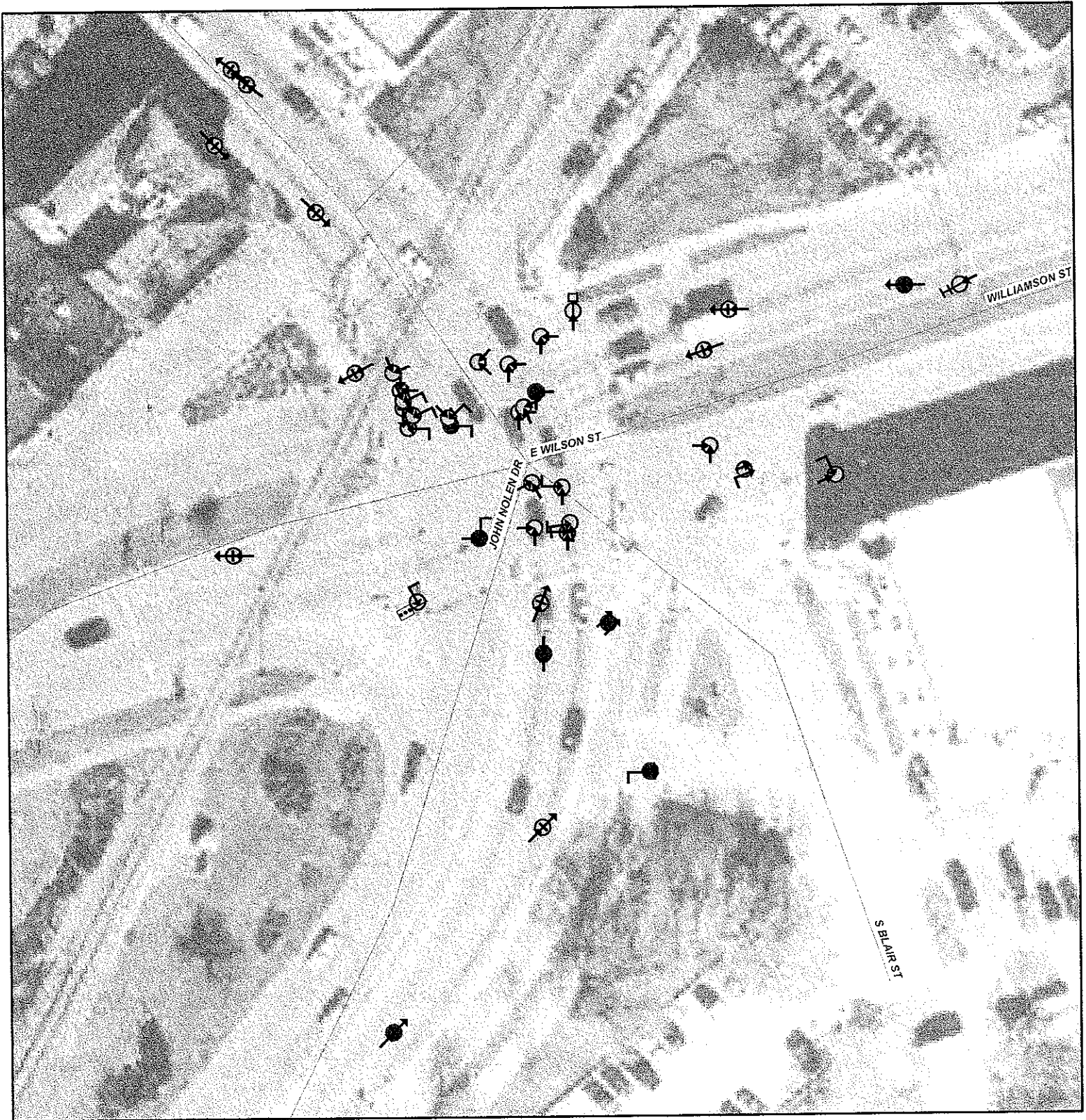
		2002	2003	2004	TOTAL
<b>TOTALS:</b>	Total Crashes	7	18	14	39
	Fatal Crashes	0	0	0	0
	Fatalities	0	0	0	0
	Injury Crashes	2	9	6	17
	Injuries	2	11	7	20
<b>TYPE:</b>	Angle	2	9	7	18
	Bicycle	1	1	1	3
	Fixed Object	0	1	1	2
	Head On	1	0	0	1
	Loss of Control	0	0	0	0
	Merging	0	0	0	0
	Pedestrian	0	0	0	0
	Rear End	1	5	3	9
	Side Swipe	2	2	2	6
	Turning	0	0	0	0
<b>TIME:</b>	Day	5	9	9	23
	Dawn-Dusk	0	3	1	4
	Night with Lights	2	6	4	12
	Night Without Lights	0	0	0	0
<b>WEATHER:</b>	Clear	5	10	5	20
	Cloudy	1	6	5	12
	Rain	1	1	4	6
	Snow/Sleet	0	0	0	0
	Fog	0	1	0	1
<b>ROAD:</b>	Dry	6	16	9	31
	Wet	1	2	5	8
	Snow or Ice	0	0	0	0

Source: City of Madison, Traffic Engineering Division

Crashes by Type by Year

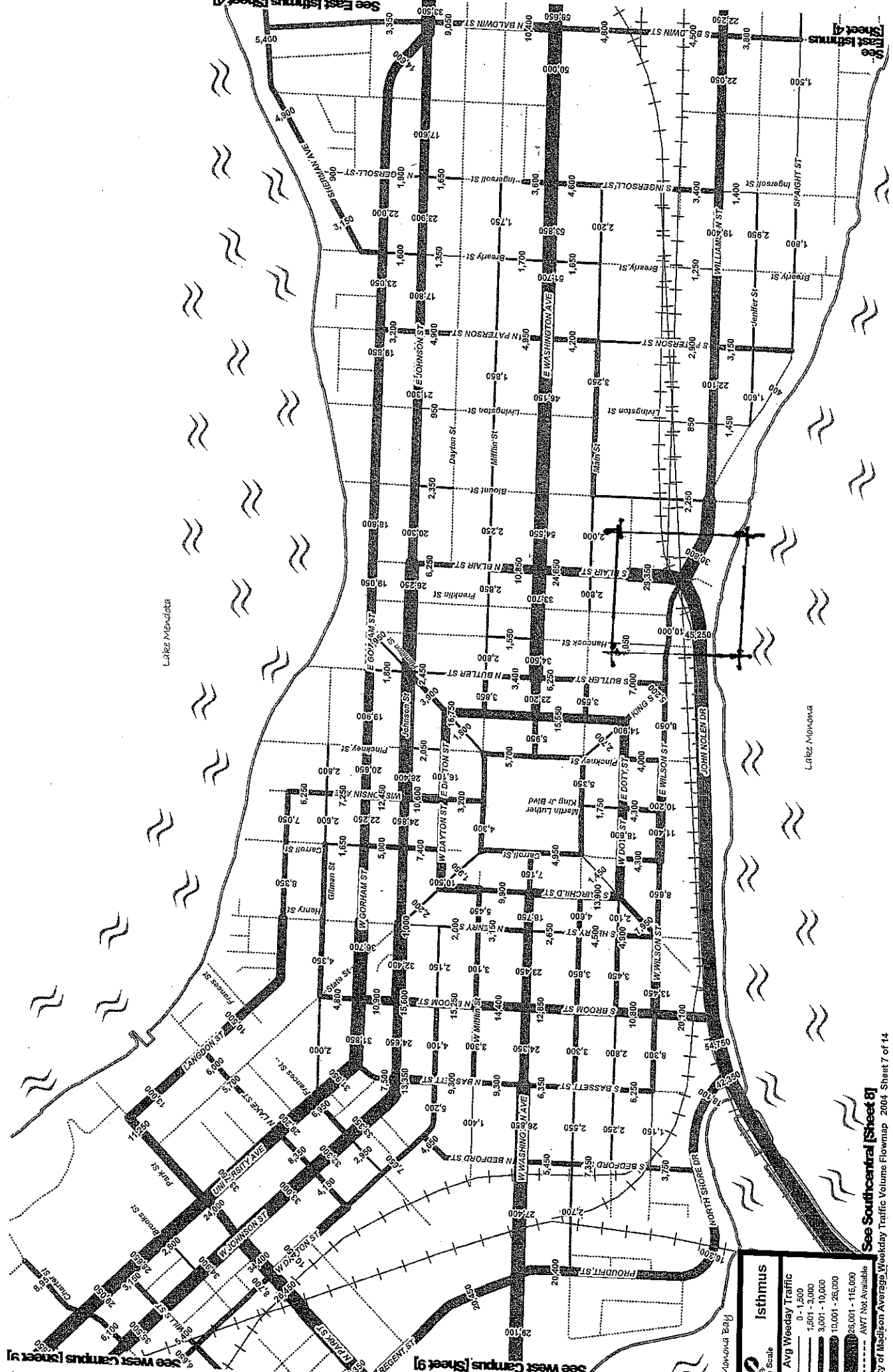


Graphic representation of crashes on Blair St & John Nolen Dr & Williamson St & Wilson St



**Legend**

- Pins2004
- ◐ Pins2003
- Pins2002



See West Campus [Sheet 9]

See West Campus [Sheet 9]

See West Campus [Sheet 9]

See West Campus [Sheet 9]

See East Isthmus [Sheet 4]

**Isthmus**

No Scale

Avg Weekly Traffic

- 0 - 1,500
- 1,501 - 3,000
- 3,001 - 10,000
- 10,001 - 25,000
- 25,001 - 115,000

--- AVT Not Available