

Appendix B: MORPC Collision Analysis Maps

2006 Regional Bicycle Transportation Facilities Plan

Bicycle Crashes

A synopsis of the ten top roads for bicycle crashes in the planning area follows. The top ten crash locations represent 25 percent of total reported crashes. These locations indicate bicycle usage on minor and major arterials.

For the purpose of analysis, each road has cluster areas where a concentration of bicycle crashes has been identified. Characteristics of the road are also provided.

The Top 10 Bicycle Crash Streets (2000-2004)

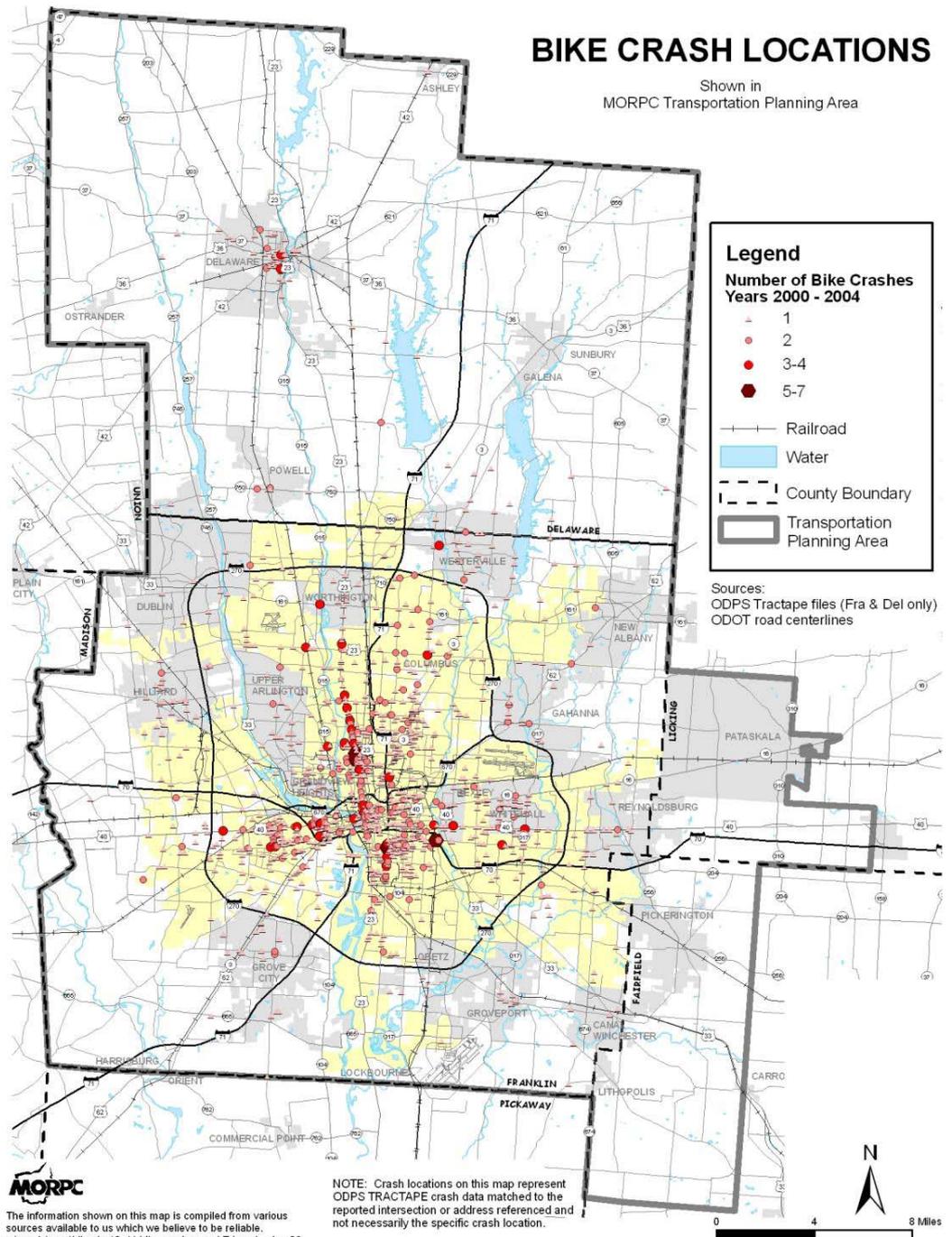
Road	Bike Crashes	Mileage	Crash Per Linear Mile	Annual Crash Per Linear Mile	Functional Classification
High St – Downtown to Morse Rd	105	7.15	14.7	2.9	Urban Principal Arterial ¹⁰
Parsons Ave – Groveport Rd to Livingston Ave	29	2.33	12.4	2.5	Urban Minor Arterial ¹¹
Broad St – I-270 (West) to Ohio Ave	67	7.98	8.4	1.7	Urban Principal Arterial
Sullivant Ave – Georgesville Rd to Davis Ave	35	4.95	7.1	1.4	Urban Minor Arterial
Cleveland Ave - Downtown to Morse Rd	39	7.02	5.6	1.1	Urban Principal Arterial
Main St – Ohio Ave to Reynoldsburg	49	9.34	5.2	1.0	Urban Principal Arterial
Livingston Ave – Downtown to Hamilton Rd	30	6.18	4.9	1.0	Urban Principal Arterial
Mound St – Hague Ave to Souder Ave	12	2.95	4.1	0.8	Urban Minor Arterial
Champion Ave – Marion Rd to Leonard Ave	15	3.86	3.9	0.8	Urban Principal Arterial
5th Ave – US 33 to I-71	14	4.41	3.2	0.6	Urban Minor Arterial
Total	392 (25%)	56.19	7.0	1.4	

¹⁰ Principal arterials serve the major centers of activity, the highest traffic volume corridors, the longest trips and the highest proportion of vehicle miles of travel.

¹¹ Minor arterials interconnect with and enhance the major arterial system. This system carries travel of moderate length at a lower level of service than major arterials.

BIKE CRASH LOCATIONS

Shown in
MORPC Transportation Planning Area



High Street

High Street has seven cluster areas that have a concentrated number of bicycle crashes: Graceland Area, North Broadway Area, North Campus Area, OSU Area, Short North Area, Nationwide Arena Area and the Franklin County Courthouse Area.

High Street is a major arterial that bisects Franklin County running north-south. It has been identified in COTA's North Corridor Light-Rail Study as a major corridor and houses many major destinations such as Graceland Shopping Center, The Ohio State University (OSU), the Short North District, Nationwide Arena District, the Central Business District (CBD), the Ohio State House, the City Center Mall, the Franklin County Government Complex, German Village/Brewery Districts, and Great Southern Shopping Center.

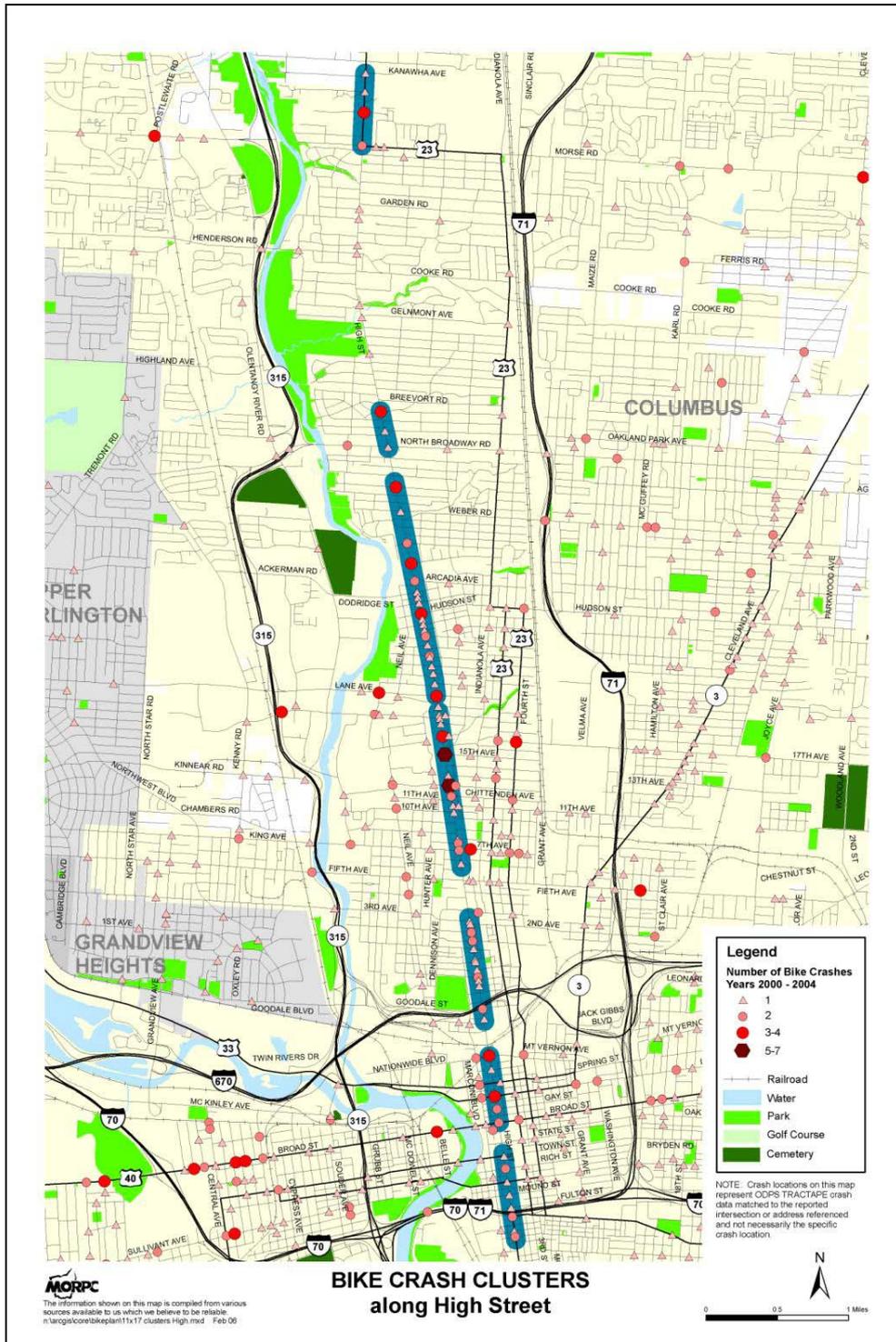
Residential housing completes those sections of High Street that are not occupied by commercial development. Average daily traffic on High Street ranges from 16,700 to 30,500.

High Street Bicycle Crashes (105)

Cluster	ADT	Posted Speed	¹² Number of Lanes
Graceland	29,807	35	5
North Broadway	n-20,008 s-18503	35	5
North Campus (Hudson)	27,508	25	5
OSU (16 th)	23,108	25	5
Short North (2 nd)	w-20,204 e-16,704	25	5
Nationwide Arena	14,204	35	5
County Complex	18,703	35	5

¹² 2004 Orthos, ER Mapper

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Broad Street

Broad Street is a major arterial that bisects Franklin County running east-west. It houses many destinations such as Battelle Darby Creek Metro Park, Doctors Hospital West, Westland Mall, Great Western Shopping Center, the Ohio Department of Transportation, the Ohio Department of Public Safety, Rhodes Park, Glenwood Park, the Columbus Development Center, Mt. Carmel Medical Center, Veterans Memorial, COSI, Alexander Park, Genoa Park, the Ohio State Capital, Columbus Museum of Art, East High School, Franklin Park and Conservatory, Wolfe Park, St. Charles Prep School, the Columbus School for Girls, the Columbus County Club, and Mt. Carmel East. The ADT for Broad Street ranges from 5,800 to 61,000.

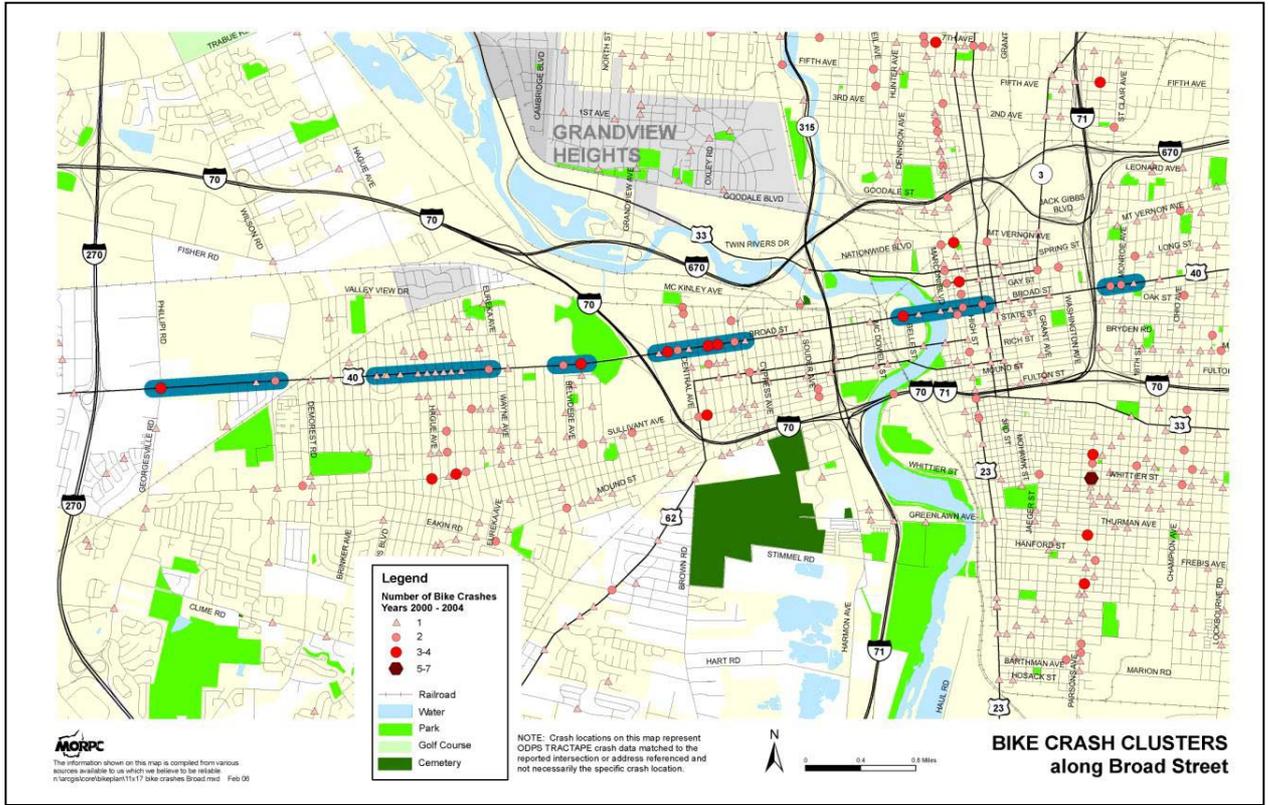
There are six clusters of bicycle crashes concentrated along the Broad Street corridor: Westland Mall (Phillipi Road), Hague, ODOT/ODPS (I-70), Central Avenue, High Street, and Hamilton Park.

Broad Street Bicycle Crashes (67)

Cluster	ADT	Posted Speed	Number of Lanes
Westland Mall	29,003	45	6
Hague	28,906	35	6
ODOT/ODPS	38,000	35	7
Central Avenue	w-24,704 e-22,607	35	6
High Street	30,009	35	8
Hamilton Park	31,403	35	7

Broad Street, from Norton Road to Hague Avenue, has been identified for widening in the 2030 Transportation Plan. The Westland Mall (Phillipi Road) and Hague Avenue clusters would benefit from bicycle facilities placed within these improvements.

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Cleveland Avenue

Cleveland Avenue is a major arterial that runs from Broad Street to Polaris Parkway in southern Delaware County. There are five clusters of bicycle crashes that are concentrated along this corridor: Morse Road, Westerville Road, Linden McKinley High School/26th Avenue, Seventeenth Avenue, and Long Street.

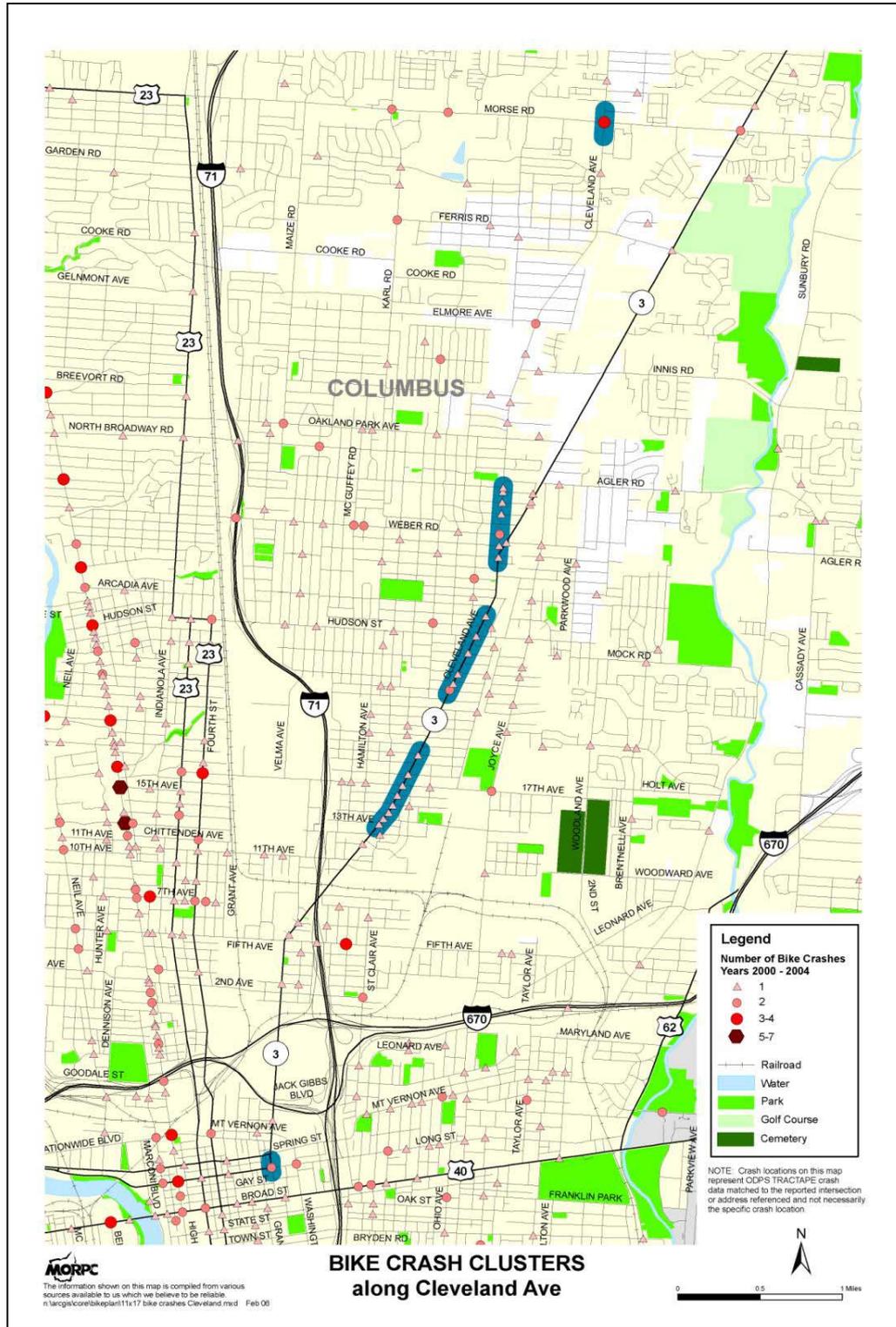
Cleveland Avenue and Morse Road provide access to many retail and fast food establishments. Morse Road is a major arterial that runs east-west, while Cleveland Avenue runs north-south. The ADT for this corridor ranges from 9,200 to 51,900.

Cleveland Avenue houses many destinations such as the Westerville Sports Complex and Community Center, Heritage Park, Sharon Woods Metro Park, Mt. Carmel St. Ann’s Hospital, Northern Lights Shopping Center, Fort Hayes Career Center, Columbus State College, Columbus College of Art and Design, and the Columbus Museum of Art.

Cleveland Avenue Bicycle Crashes (39)

Cluster	ADT	Posted Speed	Number of Lanes
Morse Road	n-24,109 s-18,409	45/35	n-6 s-5
Westerville Rd	17,504	35	4
Linden McKinley	18,705	35	4
17 th Avenue	9,203	35	4
Long Street	n-14,803 s-10,403	35	4

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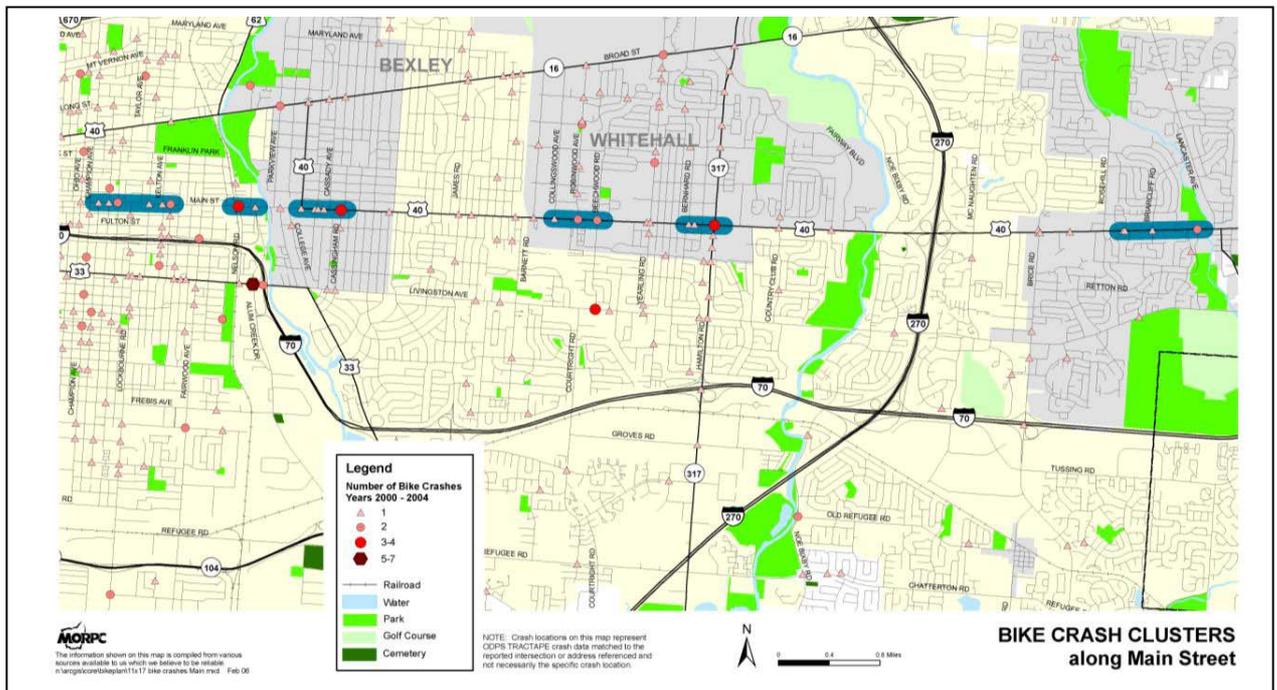
Main Street

Main Street is a major arterial that runs east-west. Located east of the Scioto River, Main Street houses several destinations: City Center Mall, Franklin University, Capital University, Big Walnut Park and J. F. Kennedy Park. The ADT for Main Street ranges from 11,000 in Franklin County to 39,500.

Although the bicycle crashes are somewhat evenly distributed along Main Street, there are six clusters of bicycle crashes: Linwood Avenue, Nelson Road, Cassady Avenue, Beechwood Road and Hamilton Road and Huber Park (Big Walnut).

Main Street Bicycle Crashes (49)

Cluster	ADT	Posted Speed	Number of Lanes
Linwood Avenue	11,004	35	5
Nelson Road	e-30,505	35	5
Cassady Avenue	26,605	25	5
Beechwood Road	w-28,205 e-21,203	25	5
Hamilton Road	w-21,203 e-27,005	35	5
Huber Park	28,809	35	5



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Parsons Avenue

Parsons Avenue is a minor arterial that travels north-south from Broad Street south to SR 317. While there are only a few large destinations along Parsons, Children's Hospital and Indian Mound Park, the area between Broad Street and Marion Road is made up of small retail, fast food restaurants, family restaurants, libraries, thrift stores, post offices, doctors' offices and other neighborhood-scaled commercial developments. There are three clusters of bicycle crashes concentrated along Parsons Avenue: Whittier Street, Frebis Avenue and Innis Avenue. The ADT ranges from 1,600 to 22,600.

Parsons Avenue Bicycle Crashes (29)

Cluster	ADT	Posted Speed	Number of Lanes
Whittier Street	21,204	35	4
Frebis Avenue	22,608	35	4
Innis Avenue	22,608	25	4

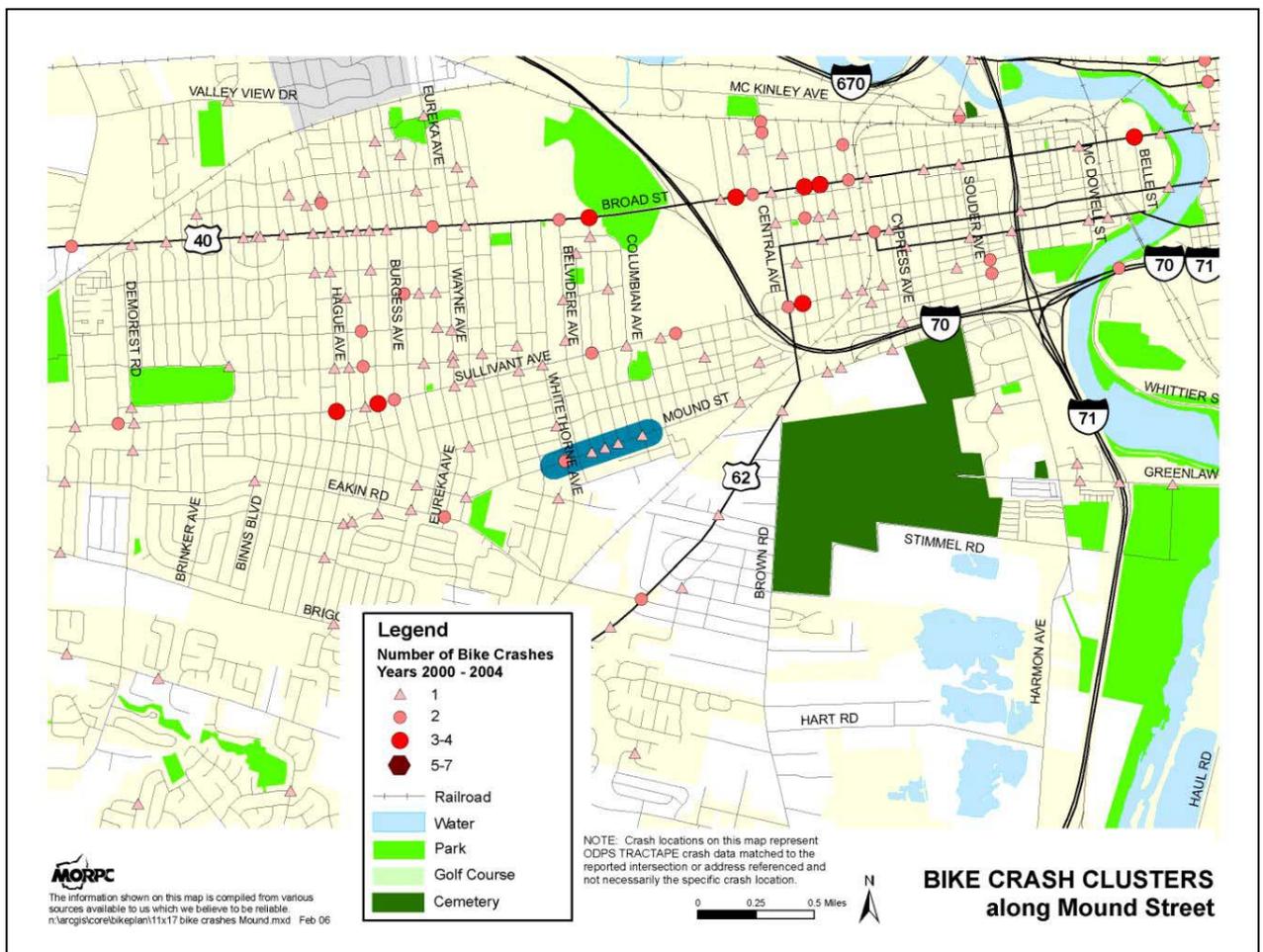


Mound Street

Mound Street is a minor arterial that runs east-west between the Scioto River and Alum Creek. It also runs west from the I-70/71 split to Brinker Avenue. A major destination, the Franklin County Courthouse complex, is located at Mound and High streets. Cooper Stadium is located on Mound Street west of the I-70/71 split and a small shopping center is located at Mound and Central Avenue. The crashes on Mound Street are clustered in one area near Whitethorne Avenue. The ADT ranges from 600 to 36,000.

Mound Street Bicycle Crashes (12)

Cluster	ADT	Posted Speed	Number of Lanes
Whitethorne Avenue	10,001	35	4



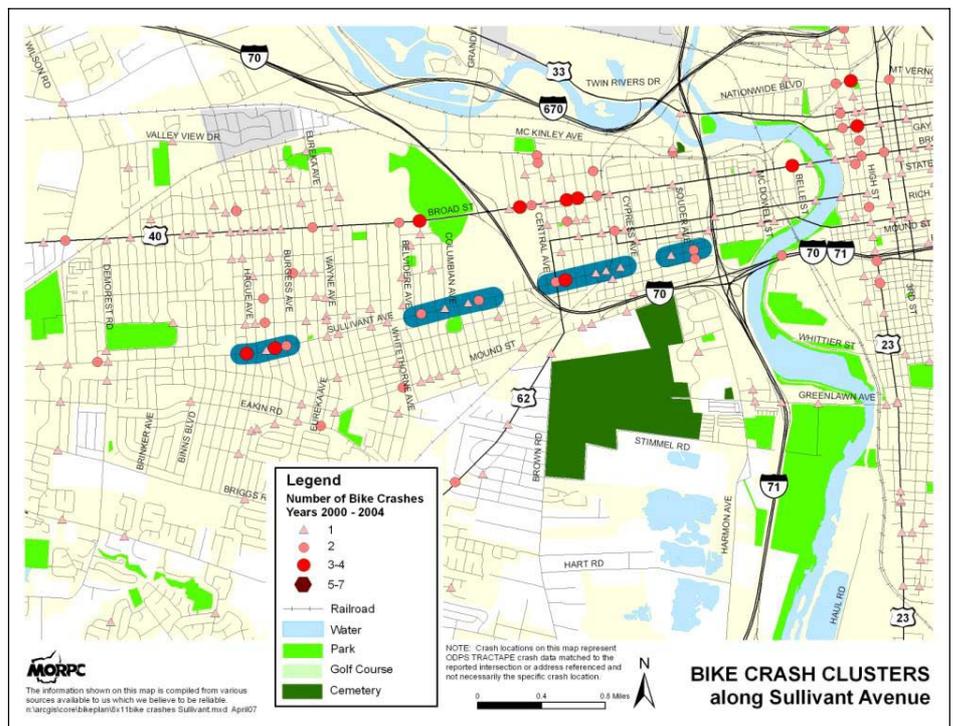
Sullivant Avenue

Sullivant Avenue is a minor arterial that runs east-west between Galloway Road and the Scioto River. Except for Dodge Park at the Scioto River, there are no major destinations along Sullivant Avenue. However, Sullivant Avenue is similar to Parsons Avenue in that there are small retail, fast food establishments and neighborhood-scaled commercial development mixed with residential located along this arterial. There are four clusters of crashes concentrated along Sullivant Avenue - Hague Avenue, Woodbury Avenue, Central Avenue, and Souder Avenue. The ADT ranges from 3,200 to 23,000.

Sullivant Avenue, from Georgesville Road to Central Avenue, has been identified in the 2030 Transportation Plan for widening. The Hague Avenue, Woodbury Avenue and Central Avenue clusters would benefit from bikeways constructed with this widening.

Sullivant Avenue Bicycle Crashes (35)

Cluster	ADT	Posted Speed	Number of Lanes
Hague Avenue	15,908	35	2
Woodbury Avenue	w-19,107 e-21,105	35	4
Central Avenue	w-24,704 e-22,607	35	4
Souder Avenue	6301	25	4

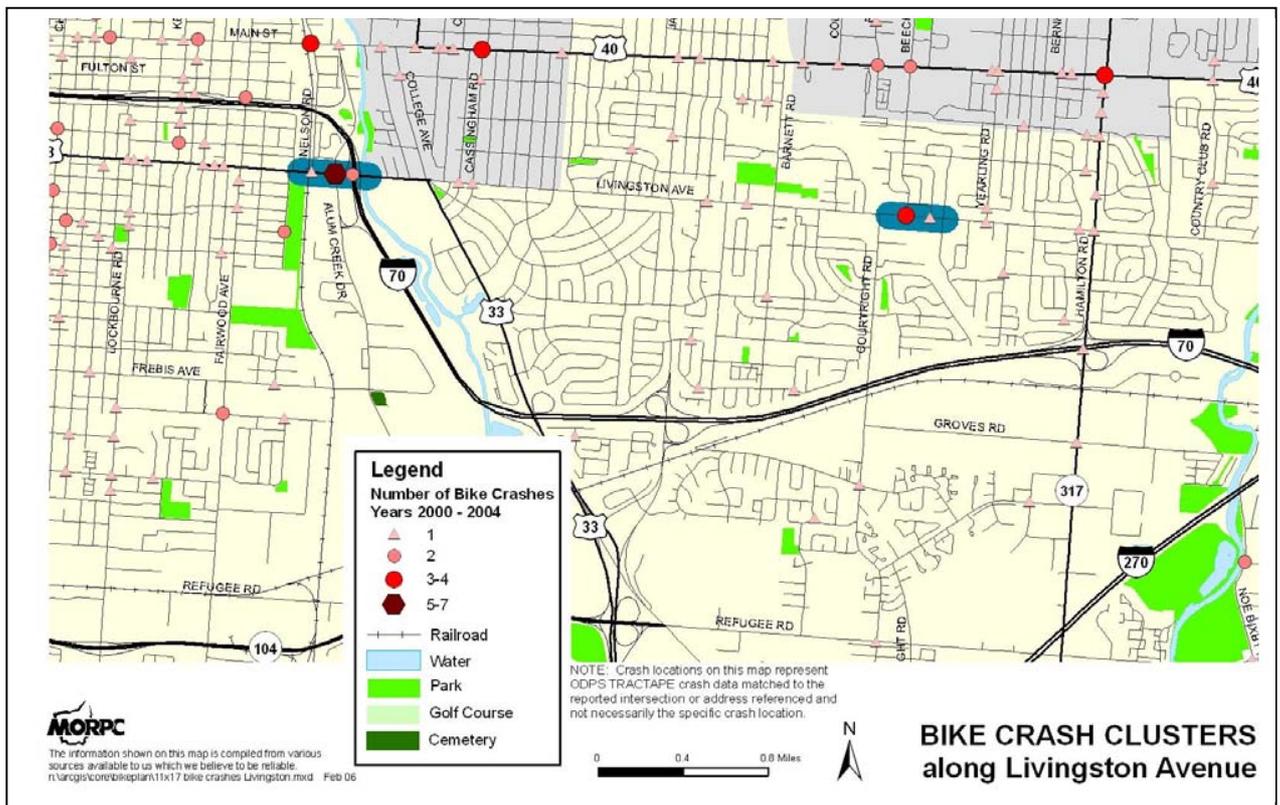


Livingston Avenue

Livingston Avenue is a minor arterial that runs east-west between High Street and SR 256. There are several major destinations along this corridor: the Afrocentric High School, Children’s Hospital Complex, Driving Park Recreation Center, Bishop Hartley High School, Walnut Ridge High School, Big Walnut Park, Reynoldsburg High School and Blacklick Woods Metro Park. There are two clusters of bicycle crashes concentrated along this corridor: Alum Creek Drive and Beechwood Road. The ADT ranges from 12,200 to 39,900.

Livingston Avenue Bicycle Crashes (30)

Cluster	ADT	Posted Speed	Number of Lanes
Alum Creek Drive	34,403	35	6
Beechwood Road	39,900	35	5



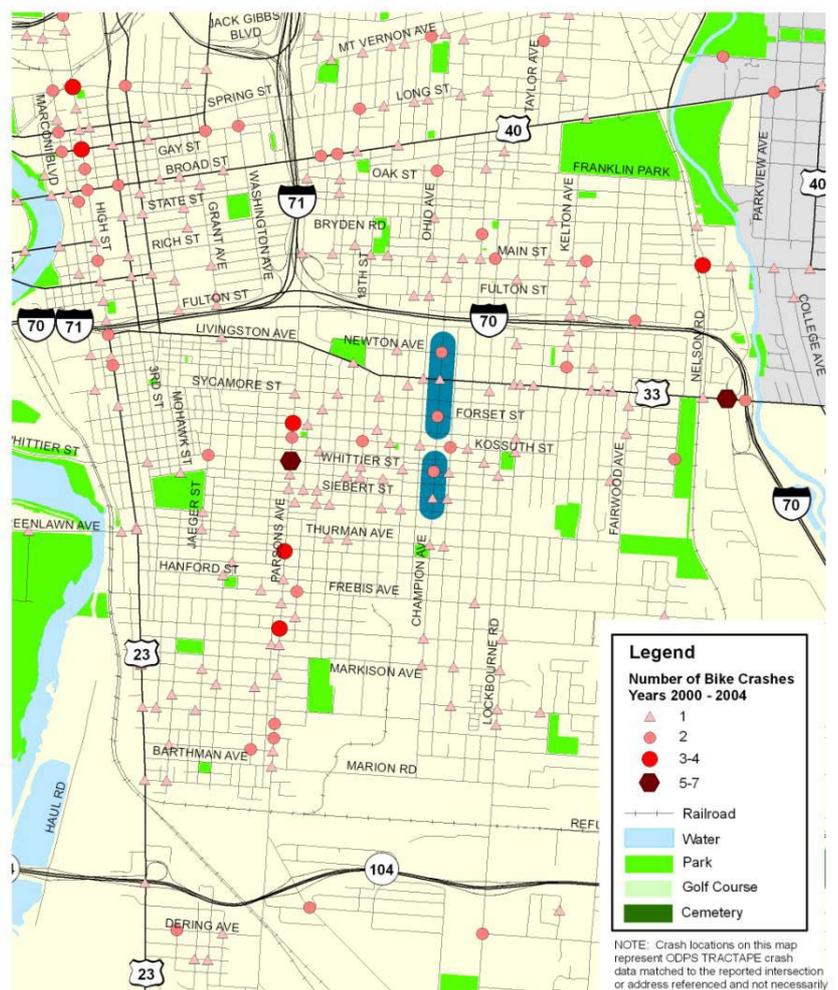
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Champion Avenue

Champion Avenue is a one-way collector that runs north from Marion Road to Mt. Vernon Avenue. There is one main cluster of crashes concentrated from Newton Street to Whittier Avenue. The ADT ranges from 2,100 to 6,300.

Champion Avenue Bicycle Crashes (15)

Cluster	ADT	Posted Speed	Number of Lanes
Newton(N) - Whittier(W)	1,500(N)- 2,700(W)	25(N) 35(W)	1



**BIKE CRASH CLUSTERS
along Champion Avenue**



The information shown on this map is compiled from various sources available to us which we believe to be reliable.
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Fifth Avenue

Fifth Avenue is a major arterial that runs east-west from McKinley Avenue to US 33 and a minor arterial from US 33 to Hamilton Road. A major destination located along this corridor is Port Columbus International Airport. This corridor houses a lot of neighborhood-scaled commercial and retail development. There are three clusters of crashes concentrated along Fifth Avenue: Grandview Avenue, Neil Avenue, and Lexington/I-71. The ADT ranges from 8,300 to 21,600.

Fifth Avenue Bicycle Crashes (14)

Cluster	ADT	Posted Speed	Number of Lanes
Grandview Avenue	18,009	25	4
Neil Avenue	12,304	25	4
I-71/Lexington Ave	16,608	25	4

