

BICYCLE TRANSPORTATION MAP

Cuyahoga County, OH



Published June 2003

Prepared by: **NOACA**
Planning For Greater Cleveland

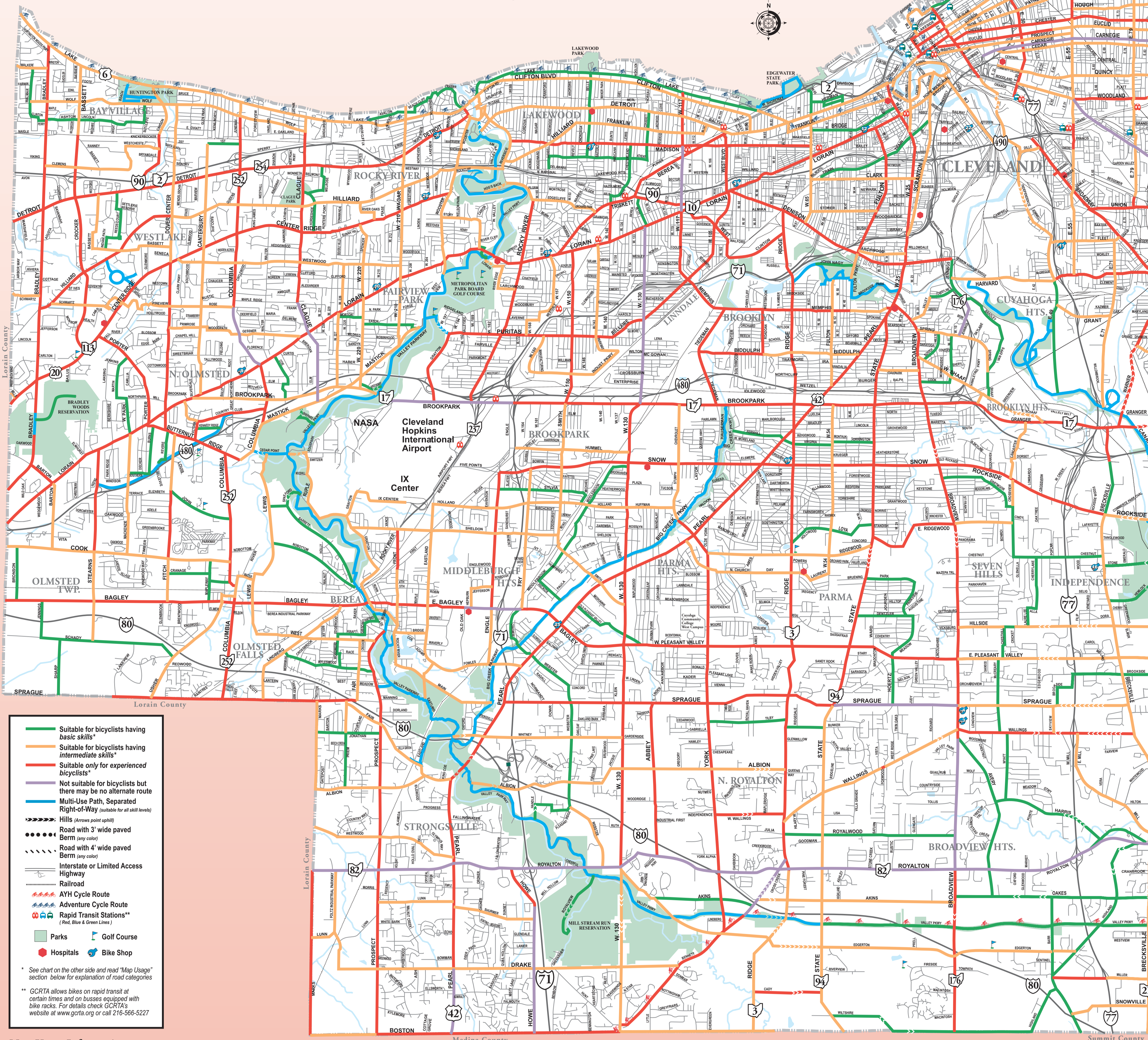
About NOACA:
The Northeast Ohio Area-wide Coordinating Agency (NOACA) is a public organization serving the counties of and municipalities and townships within Cuyahoga, Geauga, Lake, Lorain and Medina. NOACA is designed to serve as the Metropolitan Planning Organization (MPO), with responsibility for comprehensive planning for highways, public transit, airports, waterways, and bikeways, as defined in the Transportation Equity Act for the 21st Century. NOACA also performs water quality, transportation-related air quality, and other environmental planning functions. The NOACA Governing Board is composed of 38 local public officials and convenes monthly to provide a forum for members to present, discuss and develop solutions to local and area-wide issues and problems regarding transportation and the environment.

For more information about NOACA and the Bicycle Advisory Subcommittee, check out the NOACA website at www.noaca.org.

Disclaimer:
No warranty is made or intended as to the safety or fitness of the highways, roads, streets, paths or other byways for bicycle travel. These are merely suggestions and require the exercise of caution and discretion by an individual. The State of Ohio, its counties, cities and other subdivisions as well as their elected officials, officers and employees disclaim any responsibility whatsoever and shall not be liable in any manner for loss, damage, or injury occasioned by bicyclists who, of their own volition, travel along the highways, roads, streets, paths, or other byways of Ohio.

Preparation of this Publication:
This publication was financed by appropriations from the counties of and municipalities within Cuyahoga, Geauga, Lake, Lorain and Medina; the U.S. Environmental Protection Agency; and the U.S. Department of Transportation, Federal Transit Administration and Federal Highway Administration, in conjunction with the Ohio Department of Transportation.

Map Suggestions and Corrections:
This map will periodically be revised and reissued. If you notice any needed corrections or have suggestions for future maps, please call 216-241-2414, extension 273 or email to shantley@mpo.noaca.org and let us know.



Map Usage Information

Welcome to the Cuyahoga County Bicycle Transportation Map. Bicycling for transportation is fun, healthy, less expensive than motor vehicles, and nonpolluting.

The purpose of this map is to provide guidance to bicyclists who want to travel in Cuyahoga County using the existing road system. The amount of traffic, width of lanes, availability of shoulders, etc., of the roads within the county vary greatly. Therefore, the Cuyahoga County Bicycle Transportation Map has been designed to help bicyclists choose routes that are suited to their skill levels. Most of the routes on this map are not official, signed bicycle routes, although a few are.

The map was created by a group of experienced bicyclists, planners and engineers interested in providing information to other bicyclists. The more bicyclists there are on the road, the safer it is for all because motor vehicle drivers become more aware of cyclists and become used to sharing the road with them.

Producing this map required gathering information on traffic volumes, width of paved road, speed, and other factors. This information was used to categorize the main arterials and collector streets in the cities, townships and villages and link them to the skill levels of bicyclists. The bicyclist has the responsibility of assessing his/her own skill level from the chart displayed on the other side of this map and making decisions about the best route to choose. Local streets and minor collectors are usually not categorized on this map, but do have low traffic volumes and speed they are mostly suitable for bicycling.

Note that roads within one suitability category may have different characteristics. For example, one road judged to be suitable for those with basic bicycling skills may not have paved shoulders, but the amount of traffic is very low, while another in the same category has higher traffic volumes and four-foot paved shoulders. For intermediate routes, there may be a higher volume of traffic if the curb lane is wide enough for the cyclist and motor vehicles to share. Bicyclists should be aware that at the morning and evening peak travel times traffic is heavier and may affect the suitability of a chosen route.

Before using the map, please read all of the safety tips and carefully evaluate your bicycling skills. We hope you find this map useful and enjoy riding around Cuyahoga County. Maps of Geauga, Lake, Lorain and Medina Counties are also available from NOACA and many local bike shops.

OHIO REVISED CODE BICYCLE LAWS

A significant number of Ohio's traffic laws apply to bicyclists as well as to motorists. In addition to these laws, bicyclists are required to adhere to some special rules. The following statutes are paraphrased. For the official version refer to the Ohio Revised Code.

- 4511.01 DEFINITIONS**
Vehicle: Every device used for the purpose of transportation on a highway. Exceptions are devices powered by overhead electrical wires, or which move on stationary rails, or are powered by humans (other than a bicycle). A bicycle is a vehicle.
- 4511.051 Prohibitions on Use of Freeways**
No person shall operate a bicycle within the boundary lines of a freeway except where there exists a facility that is separate from the roadway and shoulders designed and appropriately marked for bicycle use.
- 4511.07 Local Traffic Regulations**
Local authorities may regulate the operation of bicycles and require registration and licensing.
- 4511.12 Obeying Traffic Control Devices**
Drivers of bicycles are obligated to obey all traffic control devices, including flagpersons, signs, pavement markings, and signal lights.
- 4511.13 Signal Lights**
The red, green and yellow signal lights apply to all vehicles including bicycles.
- 4511.25 Lanes of Travel**
A vehicle/bicycle is to be driven on the right side of the roadway except when: 1) passing another vehicle going in the same direction, 2) making a left turn, 3) when an obstruction exists, 4) when driving on a roadway divided into three or more marked lanes for traffic, or 5) when driving on a roadway for one-way traffic. (See 4511.55)
- 4511.36 Turning at an Intersection**
Right turn: make right turns as close as practicable to the right-hand curb or edge of the roadway. Left turn: driver must be as close to the right of the center line as is practicable before turning left. After passing through the intersection the vehicle shall commence travel in the lane closest to the right of the center line. When traveling on a one-way street a left turn must always be made in the extreme left-hand lane available.
- 4511.39 Turning and Stop Signs**
A bicyclist must indicate his or her intention to turn, or move left or right, by signaling continuously at least one hundred feet prior to a turn.

- 4511.40 Hand and Arm Signals**
When using hand and arm signals always do so in the following manner:
Left turn - left hand and arm extended horizontally.
Right turn - left hand and arm extended upward as if by extending the right hand and arm horizontally and to the right side of the bicycle (effective September 9, 1996).
- 4511.441 Pedestrian Right of Way**
The driver of a bicycle must yield the right of way to any pedestrian on a sidewalk.
- 4511.53 Rules for Bicycles**
A person operating a bicycle shall ride on a permanent seat and carry no more persons than the number for which it is designed and equipped. No person operating a bicycle shall carry any item which would prevent them from having at least one hand on the handle bars.
- 4511.55 Riding Bicycles**
Every person operating a bicycle on a roadway shall ride as near to the right side of the roadway as practicable, obeying all traffic rules applicable to vehicles, and exercising due care when passing a standing vehicle or one proceeding in the same direction. Persons riding bicycles on a roadway shall not ride more than two abreast in a single lane, except on paths or parts of roadways set aside for that purpose.
- 4511.56 Signal Devices on Bicycles**
Every bicycle must be equipped with a bell or some device, other than a siren or whistle, which would be audible at a distance of at least 100 feet distance. Every bicycle must be equipped with an adequate brake when used on a street or highway.
Every bicycle when in use one-half hour before sunrise or one-half hour before sunset shall be equipped with the following:
• Front lamp with a white light visible at a distance of least 500 feet.
• Rear red reflector visible from all directions from 100 feet to 600 feet to the rear when directly in front of lawful lower beams of headlamps on a motor vehicle.
• Rear red light visible from at least 500 hundred feet.
• Colorless front reflector.
• Tire sidewalls must be retro-reflective or colorless, or amber reflectors may be mounted on the front wheel spokes and colorless or red reflectors mounted on rear wheel spokes. They must be visible at a distance of 600 feet from the motorcycle's headlamps.
- 4511.71 Driving on a Sidewalk**
Bicycles are allowed on sidewalks. (Subject to local laws; see 4511.07).
However, riding a bicycle on a sidewalk is potentially dangerous - Editor's note
- 4513.31 Properly Secured Loads**
No vehicle shall be driven on any highway unless such vehicle is loaded to prevent any of its load from shifting, dropping, leaking or otherwise escaping therefrom.



BASIC BICYCLE SAFETY TIPS

- Bicyclists are not allowed on Interstate and limited access highways in Ohio.
- Use lights when riding in the rain and at night.
- Ride single file when riding in a group.
- When riding in a narrow lane, stay far enough from the right edge to discourage vehicles from passing dangerously close in the same lane.
- When riding past parked cars, be alert for motorists opening doors or pulling out from parking spaces. Stay outside the "door zone".
- Allow extra braking distance in wet weather. Bicycle brakes function poorly when wet!
- Cross railroad tracks at a right angle and be especially cautious when tracks are wet or frosted as they are then very slippery.
- Cross bridges with iron gratings very carefully, especially when wet.
- Fasten all spare clothing, parcels or equipment securely to rack or bicycle to prevent anything from falling into a wheel.
- Lock your bike when left unattended.
- Keep tires inflated to proper pressure and bicycle in good repair.
- Ride defensively at all times. Never assume motorists know your intentions - make them clear by signals and your position in the lane.
- Wear highly visible clothing.
- Yield to pedestrians and emergency vehicles.
- Be predictable - do not surprise a motorist or pedestrian.
- Beware of sand or gravel on the road when making turns - a bicycle can easily slide out from under you on sand or gravel.
- Many motorists are unaware that bicyclists are legitimate users of the streets and highways, so ride courteously, exercise common sense and obey all traffic signs, signals, and rules of the road.
- Occasionally a bicyclist will have no choice but to ride on a road or street judged unsuitable for bicyclists in order to access a suitable road/street. Use considerable caution when riding such roads or streets, walking your bicycle if necessary.

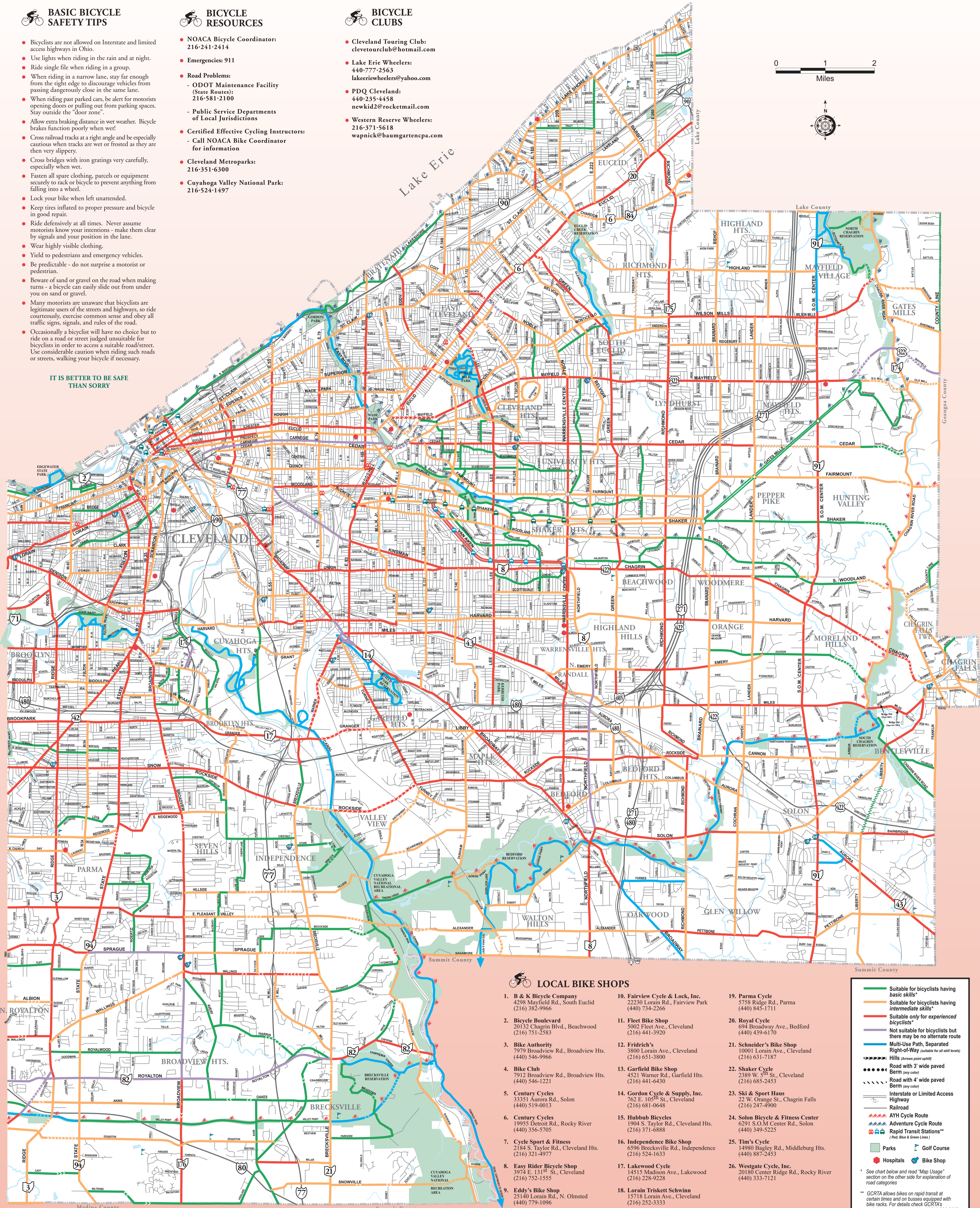
IT IS BETTER TO BE SAFE THAN SORRY

BICYCLE RESOURCES

- NOACA Bicycle Coordinator: 216-241-2414
- Emergencies: 911
- Road Problems:
 - ODOT Maintenance Facility (State Routes): 216-581-2100
 - Public Service Departments of Local Jurisdictions
- Certified Effective Cycling Instructors:
 - Call NOACA Bike Coordinator for information
- Cleveland Metroparks: 216-351-6300
- Cuyahoga Valley National Park: 216-524-1497

BICYCLE CLUBS

- Cleveland Touring Club: cleveclub@hotmail.com
- Lake Erie Wheelers: 440-777-2563 lakeeriewheelers@yahoo.com
- PDQ Cleveland: 440-235-4458 newkid2@rocketmail.com
- Western Reserve Wheelers: 216-371-5618 wapnick@baumgartencpa.com



LOCAL BIKE SHOPS

1. B & K Bicycle Company
4298 Mayfield Rd., South Euclid
(216) 382-9966
2. Bicycle Boulevard
20132 Chagrin Blvd., Beachwood
(216) 751-2583
3. Bike Authority
7979 Broadview Rd., Broadview Hts.
(440) 546-9966
4. Bike Club
7912 Broadview Rd., Broadview Hts.
(440) 546-1221
5. Century Cycles
33351 Aurora Rd., Solon
(440) 519-0013
6. Century Cycles
19955 Detroit Rd., Rocky River
(440) 356-5705
7. Cycle Sport & Fitness
19955 Detroit Rd., Rocky River
(440) 356-5705
8. Easy Rider Bicycle Shop
3974 E. 131st St., Cleveland
(216) 752-1555
9. Eddy's Bike Shop
25140 Lorain Rd., N. Olmsted
(440) 779-1096
10. Fairview Cycle & Lock, Inc.
22230 Lorain Rd., Fairview Park
(440) 734-2266
11. Fleet Bike Shop
5002 Fleet Ave., Cleveland
(216) 441-3920
12. Fridrich's
3800 Lorain Ave., Cleveland
(216) 651-3800
13. Garfield Bike Shop
4521 Warner Rd., Garfield Hts.
(216) 441-6430
14. Gordon Cycle & Supply, Inc.
762 E. 105th St., Cleveland
(216) 681-0648
15. Hubbell Bicycles
1904 S. Taylor Rd., Cleveland Hts.
(216) 371-6888
16. Independence Bike Shop
6596 Brecksville Rd., Independence
(216) 524-1633
17. Lakewood Cycle
14515 Madison Ave., Lakewood
(216) 228-9228
18. Lorain Triskett Schwinn
15718 Lorain Ave., Cleveland
(216) 252-3333
19. Parma Cycle
5758 Ridge Rd., Parma
(440) 845-1711
20. Royal Cycle
694 Broadway Ave., Bedford
(440) 439-6170
21. Schneider's Bike Shop
10001 Lorain Ave., Cleveland
(216) 631-7187
22. Shaker Cycle
2389 W. 51st St., Cleveland
(216) 685-2453
23. Ski & Sport Haus
22 W. Orange St., Chagrin Falls
(216) 247-4900
24. Solon Bicycle & Fitness Center
6291 S.O.M. Center Rd., Solon
(440) 349-5225
25. Tim's Cycle
14980 Bagley Rd., Middleburg Hts.
(440) 887-2453
26. Westgate Cycle, Inc.
20180 Center Ridge Rd., Rocky River
(440) 333-7121

Map Legend:

- Green line: Suitable for bicyclists having basic skills*
- Orange line: Suitable for bicyclists having intermediate skills*
- Red line: Suitable only for experienced bicyclists*
- Blue line: Not suitable for bicyclists but there may be no alternate route
- Blue dashed line: Multi-Use Path, Separated Right-of-Way (suitable for all skill levels)
- Hills (arrow pointing up): Hills (arrow pointing up)
- Black dots: Road with 3' wide paved Berm (any color)
- Black dashed line: Road with 4' wide paved Berm (any color)
- Grey line: Interstate or Limited Access Highway
- Black line with cross-ticks: Railroad
- Red dashed line: AYH Cycle Route
- Blue dashed line: Adventure Cycle Route
- Blue circle with 'R': Rapid Transit Stations** (Red, Blue & Green Lines)
- Green square: Parks
- Green circle with 'G': Golf Course
- Red circle with 'H': Hospitals
- Blue circle with 'B': Bike Shop

* See chart below and read "Map Usage" section on the other side for explanation of road categories.

** GORTA allows bikes on rapid transit at certain times and on buses equipped with bike racks. For details check GORTA's website at www.gorta.org or call 216-566-5227

SAFETY TIPS AT A GLANCE

- OBEDIENCE TO TRAFFIC SIGNS AND SIGNALS**
Bicyclists must drive like other vehicles if they are to be taken seriously by motorists.
- NEVER RIDE AGAINST TRAFFIC**
Motorists aren't looking for bicyclists riding on the wrong side of the road.
- DON'T PASS ON THE RIGHT**
Motorists may not look for or see a bicyclist passing on the right. Learn to scan the road behind you while riding. Look back over your shoulder without swerving to the left, or use a curvilinear mirror.
- RIDE IN MIDDLE OF LANE IN SLOW TRAFFIC**
Get in the middle of the lane at busy intersections and whenever you are moving at the same speed as traffic.
- HAND SIGNALS**
Hand signals tell motorists and pedestrians what you intend to do. Signal as a matter of law, of courtesy, and of self-protection.
- CHOOSE THE BEST WAY TO TURN LEFT**
There are two ways to make a left turn. (1) Like an auto signal, move into the left-turn lane and turn left. (2) Like a pedestrian, ride straight to the far-side crosswalk. Walk your bike across.
- KEEP BOTH HANDS READY TO BREAK**
You may not stop in time if you brake one-handed. Allow extra distance for stopping in the rain, since brakes are less effective when wet.
- KEEP BIKE IN GOOD REPAIR**
Adjust your bike to fit you and keep it working properly. Check brakes and tires regularly. Routine maintenance is simple and you can learn to do it yourself.
- SCAN THE ROAD BEHIND**
Learn to look back over your shoulder without losing your balance or swerving. Some riders use rearview mirrors.
- AVOID ROAD HAZARDS**
Watch out for parallel sewer grates, ground or debris, crosswalk tracks at right angles.
- USE LIGHTS AT NIGHT**
The law requires a white headlight (visible from at least 500 feet ahead) and a red rear reflector or taillight (visible up to 300 feet from behind).
- DRESS APPROPRIATELY**
Avoid loose fitting clothing. Wear light, visible colors in inclement weather dress in layers. And always wear a helmet, preferably white for greater visibility.
- NEVER RIDE WITH HEADPHONES & ALWAYS WEAR A HELMET**
Never wear headphones while riding a bike. Always wear a helmet.

BICYCLING SKILL LEVELS

	Children & novice adults	Basic	Intermediate	Experienced
Limited bicycling handling skills - must devote considerable attention to keeping upright				
Comfortable on off-road bikeways				
Comfortable on roads with light traffic				
Comfortable on roads with moderate traffic				
Comfortable on roads with trucks and/or heavy traffic				
No knowledge of nor compliance with traffic laws				
Some knowledge of and compliance with traffic laws				
Fully knowledgeable of and compliant with traffic laws				
Some skill at executing defensive maneuvers				
Skilled at executing defensive maneuvers				
Comfortable "taking the lane" where necessary				
Possesses night riding skills				
Possesses wet road riding skills				