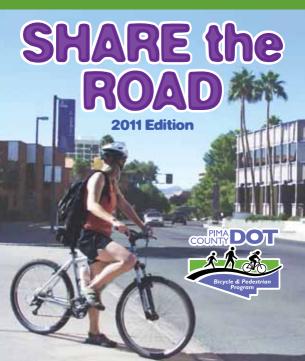
A Guide for Bicyclists & Motorists



Pima County Bicycle and Pedestrian Program
Tucson - Pima County Bicycle Advisory Committee
City of Tucson Dept. of Transportation
Pima Association of Governments



Tips for Sharing the Road Legally and Safely

This pocket guide has been prepared to illustrate how bicyclists and motorists can "Share the Road" legally and safely within Pima County.

Please take a moment to read through these safety tips to get a better understanding of the other person's view of the road and to learn more about cycling and driving more safely in our great region.

The more we understand each other's needs, the better we can respect and cooperate with each other on the streets.

This fourth edition of the bicyclist and motorist pocket guide has been brought to you by the Pima County Department of Transportation Bicycle and Pedestrian Program.

Funding for this guide has been provided by the U.S. Department of Transportation and Pima County.

The Tucson-Pima County Bicycle Advisory Committee, the City of Tucson Department of Transportation, the Arizona Department of Transportation and the Pima Association of Governments have also provided generous support in the development of this booklet.

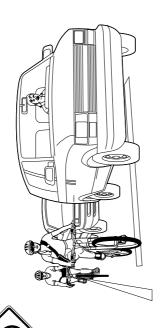
Design, illustration and photography were provided by the Pima County Graphic Services Department.

Please refer to pages 44 through 55 for a listing of relevant Arizona Revised Statutes (A.R.S.) and local laws pertaining to the operation of bicycles and motor vehicles.





Show respect to others



SHARE

THE ROAD Be polite and be smart. Show respect for all users of the road, and you'll get respect back as a result.

Cyclists and Drivers: Same roads, same rules, same rights and responsibilities.



Wear white or brightly colored shirts and consider reflective clothing for nighttime use. A white front headlight and red rear reflector are required on your bike if you ride at night. (A.R.S. 28-817). You should also use a red rear taillight.



Protect yourself

85% of brain injuries can be prevented by wearing a helmet. According to national studies,

laws require all bicyclists under Pima County and City of Tucson the age of 18 to wear a helmet.



and allow you to see following vehicles.

A Word About Stop Signs

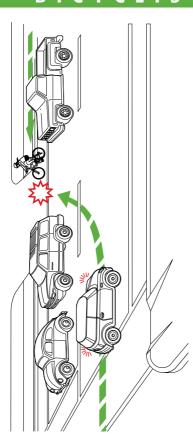
Arizona traffic law defines a stop as "Stop, if required, means complete cessation from movement." While bicyclists are required to stop at stop signs, it is not necessary to put your foot on the ground to comply with the law.

Running stop signs on major streets is a fine of \$212 with points added to dangerous and can result in your driver's license.

Blowing through stop signs sets a bad example for younger riders and hurts the image of all bicyclists.



Watch for cars turning through gaps



Riding too fast past a line of stopped cars can get you clobbered. When passing a line of vehicles SLOW DOWN AND BE ALERT, especially near driveway entrances. Motorists often can't see past the line of vehicles and won't know you're there.

BICYCLISTS

Be polite and

be smart
Use hand signals to show your intentions and ride in a predictable fashion (A.R.S. 28-756).

Remember, the laws are there to make it safer for everyone.

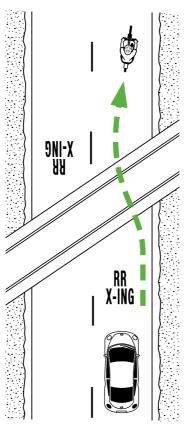








Cross tracks carefully



Watch ahead for hazardous railroad tracks. Look behind you to make sure it's safe, signal your intentions, then cross tracks as close to a

right angle as possible (A.R.S. 28-815).

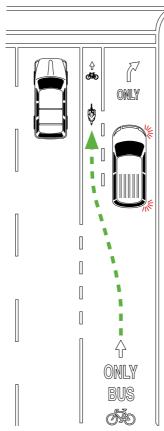
Never ride against traffic



the side cannot see you, and approaching drivers will not expect you Ride on the right with the flow of traffic—NEVER ride against traffic on the road, in a bike lane, or on a sidewalk. Drivers turning from to be riding the wrong way (A.R.S. 28-815).

Remember that you may "take the lane" if the lane is not wide enough for both a car and bike to safely share (A.R.S. 28-815). Check behind

to make sure it's safe, signal your intentions, and take the lane by riding 1/3 to 1/2 of the way into the lane. When safe and possible, move to the right to allow a following vehicle to pass.



Riding in bus/bike lanes

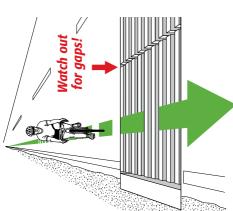
When using the bus/bike lanes, ride near the center of the lane to tion, move to the left before proceeding through. Bus drivers are required to pass cyclists outside of the bus/bike lane. make vourself as visible as possible. When approaching an intersec-



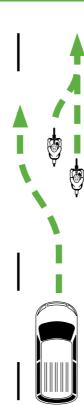


Be sure to watch for gaps between the grates parallel to your direction of travel. These can cause a serious crash. The edge of the cattleguard my also be higher

or lower than the road surface.

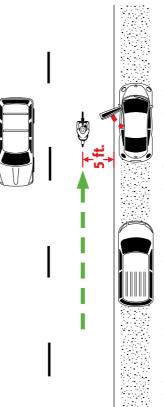


Be especially careful if the cattleguard is wet and is in a corner or approaching a stop sign.



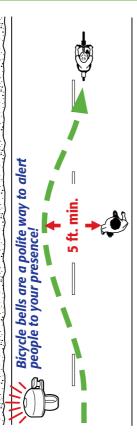
Riding two abreast is permitted by law (A.R.S. 28-815) You can help file when safe to do so (stay at least 2 to 3 feet from the edge of the road). It's always nice to give a friendly wave when drivers pass safely. drivers pass on two-lane roadways without bike lanes by riding single-





Look for people in parked cars ahead of you and ride in a straight line at least 5 feet away from the car. Someone may open the car door unexpectedly. Be predictable: don't weave in and out between parked cars.

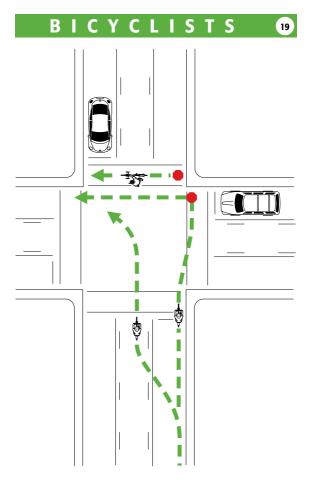
Respect pedestrians



On a shared pathway reduce speeds when approaching pedestrians, give a verbal warning such as "Passing!" when you're about to pedestrian you treat well on the pathway may be the driver who pass, and provide at least 5 feet of passing distance. Remember! The treats you well when you're riding on the roadway.

Three legal ways to turn left

- shoulder, signaling, and moving into the left turn lane You may make a left turn like a vehicle by looking over your when it's safe (A.R.S. 28-815).
- 2 You may make a left turn by going to the far side of the intersection, turning your bike and using the roadway.
- 3 You may make a left turn by going to the far side of the intersection, turning your bike, and then walking across using the crosswalk.





in the roundabout!

on the bike ramp and cross D You can exit the roadway at the crosswalk.

Stay right to make the first right turn.

Merge to the inside lane if you are making a left turn or U-turn.

> you are going straight (B) Merge to the left if through.

Motorized bikes and the law

All of the laws that apply to bicycles also apply to motorized bikes, which can be either gas powered or electric. Motorized bikes may have a motor that has a maximum size of 48cc. You must be at least 16 years old to drive a motorized bicycle. Riders and passengers under the age of 18 are required to wear a certified helmet.

Motorized bicycles may be ridden in bike lanes as long as the motorized bicycle operates at a maximum allowable speed of 20 miles per hour.



their attention.



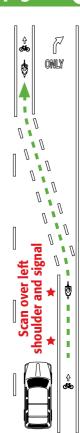
Be a defensive bike 'driver'

Be aware of your
surroundings and
especially of
turning and side
traffic. Make eye
contact with drivers
and be sure to get

Even with eye contact the person may not really see you or realize the speed you are going, so be prepared!

When a bike lane merges

Use extreme caution when merging across right turn only/drop lanes. These lanes can be dangerous for bicyclists. Well before the intersection, scan over your left shoulder and signal your Always watch for fast moving drivers who may not see you. intentions to merge left across the lane.





Pay attention

your ability to hear traffic, which could cost you your life. Headphones and cell phones cause distraction and reduce

headphones or a cell phone when riding your bike. Don't use any kind of





Watch for oncoming cars

Prepare for an emergency

exit off the roadway! always be on the lookout for oncoming cars When riding on narrow, two-lane roads, attempting to pass.

edge, and alert the motorists to your presence by waving your left Ride in a highly visible position in the roadway, not too close to the arm. Be ready to exit the roadway even if the shoulder is rough.



and sunset, motorists may be blinded and When the sun is low in the sky, at sunrise not able to see you as you ride.

Watch for cars ahead of you and coming up from behind. Consider different routes if you can during this time.

Prepare yourself for cars pulling out unexpectedly into your path.

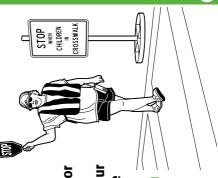


Bicyclists must follow traffic laws in school zones

faster than 15 miles per hour in a school zone when temporary signs are in place. Bicyclists, just like drivers, must not go

In addition, a cyclist CANNOT PASS a motor vehicle is going less than 15 miles per hour or is stopped. This applies even when the vehicle going in the same direction if the cyclist is in a bike lane.

Following school zone laws can keep you from getting a ticket in excess of \$500

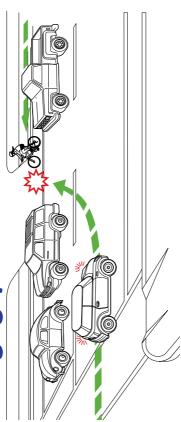






roads, same rules, same rights and responsibilities. Cyclists can legally Cyclists have the same legal right to use the road as motorists. Same ride two abreast on the roadway and in many circumstances, cyclists can use the entire travel lane (A.R.S. 28-815).

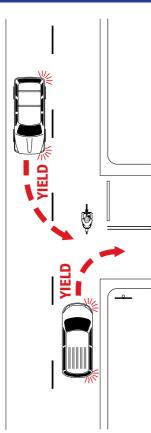
Yield to bikes when turning through gaps



A situation when a motorist allows another car to make a left turn through a line of cars can be hazardous to cyclists. Make your turn with extreme caution and yield to bicyclists



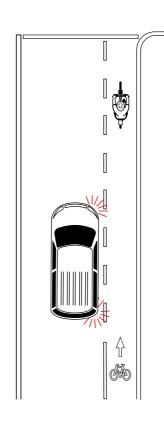
Be watchful at intersections



When changing lanes, turning left or right, or pulling out from a driveway, be aware of cyclists and yield to them just as you would with motorists. Cyclists may be travelling faster than you expect, so exercise due caution.

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Bike lanes are for bikes



Do not drive or park in bike lanes or on paved shoulders. When turning right, wait and allow the cyclist to go through the intersection first. Be predictable and always signal your intentions. Be careful not to turn in front of cyclists (A.R.S. 28-815).



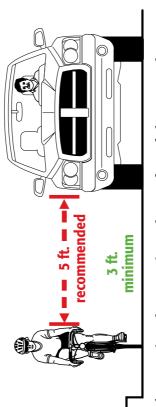
Horns don't help

Do not use your horn when following a cyclist. A sudden loud blast from a horn may startle the cyclist and cause him or her to swerve

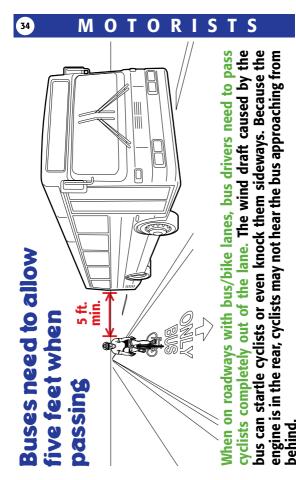
into traffic. The driver can be cited for causing a crash.

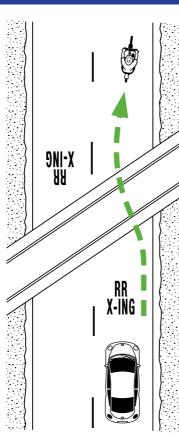
Safe passing is the law

Unsafe passing can result in a fine of \$500 to \$1,000!



The law requires that you give at least 3 feet of clearance when you pass a cyclist (A.R.S. 28-735). Slow down and don't pass a cyclist until safe to do so. When possible, please give at least 5 feet of clearance.





Give extra room near hazards

(A.R.S. 28-735). Watch for cyclists signaling and moving to the left briefly in order to safely cross railroad tracks (A.R.S. 28-815). Slow down and pass cyclists carefully at railroad crossings and cattleguards, through construction zones, and in poor weather conditions



Look before opening your door



Opening your car door in a crowded area can be disastrous to a cyclist riding alongside parked cars. Drivers are legally required to make sure it's safe before opening a car door into the roadway.

Pay attention to the road, not to your phone

According to national research, you are four times more likely to have an automobile crash if you use a cell phone while driving.

For everyone's safety, pull over to a safe location off the road to use your cell phone.

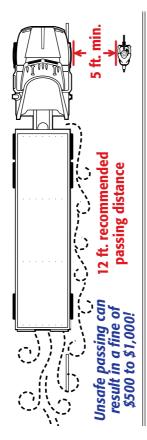


Give a cyclist room to maneuver



give them adequate room to maneuver. Cyclists can move further into Assume there is a good reason for a cyclist's position in the road and the travel lane due to hazards, to be more visible to drivers, or if the lane is too narrow to safely share with a vehicle. (A.R.S. 28-815).

Give extra room when passing

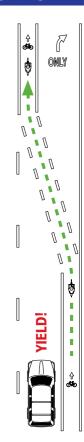


you are driving a large vehicle such as a truck, RV, or bus, the wind pushed out from the side can cause a cyclist to crash. Slow down and whenever possible give a full lane width of clearance. (A.R.S. 28-723, A.R.S. 28-735).

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Bike lane merging across right turn only lane

required to yield to bicyclists as they approach right turn only / drop lanes. Watch for bicyclists who merge leftward as they Yield to bicyclists at right turn lanes/drop lanes. Drivers are approach the right turn only lane.





out of the bike lanes Help keep trash

Debris creates hazardous conditions and forces cyclists further into the travel lane. When hauling trash or other objects, properly secure your loads.

Don't litter! Debris in the bike lanes is dangerous.

Watch for bikes when trying to pass on two-lane roads



two-lane road, watch out for bikes coming in When attempting to pass vehicles on a narrow the opposite direction!

if it's unsafe. Always expect that bicyclists may be on the roadway, Yield to cyclists as you would to oncoming vehicles and do not pass even in rural areas.

able to see bicyclists, pedestrians and dog When the sun is low in the sky, at sunrise and sunset, you may be blinded and not walkers in the roadway.

Be especially careful around crosswalks.

until conditions improve.

28-723. Overtaking a vehicle on the left

The driver of a vehicle overtaking another vehicle proceeding in the same direction shall pass to the left of the vehicle at a safe distance and shall not again drive to the right side of the roadway until safely clear of the overtaken vehicle.

28-735. Overtaking bicycles; civil penalties

- A. When overtaking and passing a bicycle proceeding in the same direction, a person driving a motor vehicle shall exercise due care by leaving a safe distance between the motor vehicle and the bicycle of not less than three feet until the motor vehicle is safely past the overtaken bicycle.
- B. If a person violates this section and the violation results in a collision causing:
 - Serious physical injury as defined in section 13-105 to another person, the violator is subject to a civil penalty of up to five hundred dollars.
 - 2. Death to another person, the violator is subject to a civil penalty of up to one thousand dollars.
- C. Subsection B of this section does not apply to a bicyclist who is injured in a vehicular traffic lane when a designated bicycle lane or path is present and passable.

28-756. Method of giving hand and arm signals

- A. Except as provided by subsection B, a person shall give all hand and arm signals required by this article from the left side of the vehicle in the following manner, and the signals shall indicate as follows:
 - 1. Left turn. Hand and arm extended horizontally.
 - 2. Right turn. Hand and arm extended upward.
 - Stop or decrease speed. Hand and arm extended downward.
- B. A person operating a bicycle may give a right turn signal by extending the right hand and arm horizontally to the right side of the bicycle.

28-811. Parent and guardian responsibility; applicability of article

- A. The parent of a child and the guardian of a ward shall not authorize or knowingly permit the child or ward to violate this chapter.
- B. Except as otherwise provided in this article, this chapter applies to a bicycle when it is operated on a highway or on a path set aside for the exclusive use of bicycles.

28-812. Applicability of traffic laws to bicycle riders

A person riding a bicycle on a roadway or on a shoulder adjoining a roadway is granted all of the rights and is subject to all of the duties applicable to the driver of a vehicle by this chapter and chapters 4 and 5 of this title, except special rules in this article and except provisions of this chapter and chapters 4 and 5 of this title that by their nature can have no application.

28-813. Riding on bicycles

- A. A person propelling a bicycle shall not ride other than on or astride a permanent and regular seat attached to the bicycle.
- B. A person shall not use a bicycle to carry more persons at one time than the number for which it is designed and equipped.

28-814. Clinging to vehicle

A person riding on a bicycle, coaster, sled or toy vehicle or on roller skates shall not attach the bicycle, coaster, sled, toy vehicle or roller skates or that person to a vehicle on a roadway.

28-815. Riding on roadway and bicycle path; bicycle path usage

- A. A person riding a bicycle on a roadway at less than the normal speed of traffic at the time and place and under the conditions then existing shall ride as close as practicable to the right-hand curb or edge of the roadway, except under any of the following situations:
 - 1. If overtaking and passing another bicycle or vehicle proceeding in the same direction.
 - If preparing for a left turn at an intersection or into a private road or driveway.
 - If reasonably necessary to avoid conditions, including fixed or moving objects, parked or moving vehicles, bicycles, pedestrians, animals or surface hazards.
 - 4. If the lane in which the person is operating the bicycle is too narrow for a bicycle and a vehicle to travel safely side by side within the lane.
- B. Persons riding bicycles on a roadway shall not ride more than two abreast except on paths or parts of roadways set aside for the exclusive use of bicycles.
- C. A path or lane that is designated as a bicycle path or lane by state or local authorities is for the exclusive use of bicycles even though other uses are permitted pursuant to subsection D or are otherwise permitted by state or local authorities.

- D. A person shall not operate, stop, park or leave standing a vehicle in a path or lane designated as a bicycle path or lane by a state or local authority except in the case of emergency or for crossing the path or lane to gain access to a public or private road or driveway.
- E. Subsection D does not prohibit the use of the path or lane by the appropriate local authority.

28-816. Carrying article on bicycle

A person shall not carry a package, bundle or article while operating a bicycle if the package, bundle or article prevents the driver from keeping at least one hand on the handlebars.

28-817. Bicycle equipment

A. A bicycle that is used at nighttime shall have a lamp on the front that emits a white light visible from a distance of at least five hundred feet to the front and a red reflector on the rear of a type that is approved by the department and that is visible from all distances from fifty feet to three hundred feet to the rear when the reflector is directly in front of lawful upper beams of head lamps on a motor vehicle. A bicycle may have a lamp that emits a red light visible from a distance of five hundred feet to the rear in addition to the red reflector.



- B. A person shall not operate a bicycle that is equipped with a siren or whistle.
- C. A bicycle shall be equipped with a brake that enables the operator to make the braked wheels skid on dry, level, clean pavement.

28-818. Bicycle safety fund

- A. A bicycle safety fund is established. The department shall administer the fund. The consists of monies received from:
 - The federal government or any agency of the federal government for any purpose authorized by this section.
 - 2. Donations.
 - 3. This state or any agency of this state for any purpose authorized by this section.

B. The department:

 May designate monies deposited in the bicycle safety fund for use only for specified purposes consistent with this section and only for use in specified political subdivisions of this state.

- 2. Shall spend monies contributed by a political subdivision to the bicycle safety fund and any donation to the fund designated for use in a political subdivision and any matching monies deposited in the fund as a result of the contribution or donation only for use in the political subdivision.
- Shall only spend monies from the bicycle safety fund as follows:
 - (a) For planning, engineering, constructing and maintaining bicycle paths and bicycle lanes.
 - (b) As matching monies to be used with federal or local monies spent for planning, engineering, constructing or maintaining bicycle paths and bicycle lanes.
 - (c) As matching monies to be used with federal or local monies spent for planning and implementing safety programs.
- C. Monies in the bicycle safety fund are exempt from the provisions of section 35-190 relating to lapsing of appropriations. The department may spend monies in the fund for purposes authorized by this section subject to legislative appropriation.

10.43.010 Requirement for helmet use.

No person under eighteen years of age shall ride a bicycle or be a passenger on a bicycle, ride in a restraining seat attached to a bicycle, or ride in a trailer towed by a bicycle unless that person is wearing a properly fitted and fastened bicycle helmet which meets the current standards of the American National Standards Institute for protective headgear. (Ord. 1995-12 § 1 (part), 1995)

10.43.030 Civil penalties.

Any person in violation of this chapter shall be found guilty of a civil infraction and be required to pay a minimum fine of fifty dollars that cannot be suspended except pursuant to Section 10.43.040. (Ord. 1995-12 § 1 (part), 1995)

10.43.040 Waiver of fine.

The penalty provided in this section for a violation of Section 10.43.010 may be waived if an offender presents purchased or otherwise obtained since the time of the violation and that the minor uses or intends to use said helmet whenever required to do so by this chapter. (Ord. 1995-12 § 1 (part), 1995)



52 TUCSON BICYCLE LAWS

SEC. 5-1. Parking of bicycles.

It shall be unlawful to park a bicycle upon any public sidewalk or street in a manner that substantially impedes pedestrian or vehicular traffic or obstructs access to public or private facilities.

SEC. 5-2. Riding on sidewalks and pedestrian paths, and through underpasses.

- A. It shall be unlawful to ride a bicycle on any public sidewalks, or upon a designated pedestrian path in any public park, unless signs are posted specifically permitting bicycling.
- B. It shall be unlawful to ride a bicycle through any underpass when signs are posted prohibiting bicycling.

SEC. 5-3. Enforcement.

Any violation of a provision of this chapter shall be a civil infraction, unless otherwise specified, subject to the provisions of Chapter 28 of this Code. Violations of this Chapter shall be deemed as civil infractions subject to a sanction of twenty-five-dollars (\$25.00).



TUCSON BICYCLE LAWS

SEC. 20-29. (1). Bicycle helmets.

No person under eighteen (18) years of age shall ride a bicycle or be a passenger on a bicycle, ride in a restraining seat attached to a bicycle, or ride in a trailer towed by a bicycle unless that person is wearing a properly fitted and fastened bicycle helmet which meets the current standards of the American National Standards.

The preceding section is a listing of relevant Arizona State, Pima County and City of Tucson laws as of January, 2011.

Additional civil and criminal traffic laws may apply to bicyclists, motorists and pedestrians throughout Arizona.

This booklet does not constitute a legal standard. Refer to Arizona Revised Statutes and to local traffic ordinances.



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LOCAL TRAFFIC FINES

The following is a listing of selected laws and associated fines that apply to motorists and bicyclists.



Running stop signs

First offense, potential points against license or revoking of license (driver or cyclist).

Running stop lights

First offense, potential points against license or revoking of license (driver or cyclist).

Pima County......\$115 City of Tucson.....\$217

Riding at night without a headlight and rear red reflector

Pima County.....\$88 City of Tucson.....\$115

A rear red taillight is permitted by law in addition to the rear reflector and is recommended.

Riding on a sidewalk

City of Tucson only.....\$25

LUCAL IKAFFIC FIN	E) 39
Riding on the wrong side of the roadgainst the flow of traffic Pima County	-
City of Tucson	
Failure to yield By driver to a cyclist or pedestrian Pima County City of Tucson	
Failure to wear bicycle helmet By a child under age of 18 Pima County City of Tucson	
Unsafe passing of a bicyclist by a d Pima County	\$500 to \$1000
Bicycling more than 2 abreast Pima County City of Tucson	\$88 \$115
Speeding in a school zone By a driver or a cyclist Pima County City of Tucson	\$135 \$163
Failure to yield to a pedestrian in a s By a driver or a cyclist Pima County City of Tucson	chool crossing
0.07	

Useful phone numbers:

Marana Bicycle Coordinator	.382-2612
Oro Valley Bicycle Coordinator	229-5057
Pima Association of Govts. Bicycle Coordinator	792-1093
Pima County Bicycle & Pedestrian Program	243-BIKE
Sahuarita Bicycle Coordinator	822-8824
South Tucson Bicycle Coordinator	792-2424
Tucson Bicycle and Pedestrian Program	.791-4371
Tucson-Pima County Bicycle Advisory Committee	.791-4371



Find your way!

with the new

Tucson Metro BIKE MAP

Includes Tucson, South Tucson, Oro Valley, Marana, Sahuarita and Pima County.

Available FREE at a bike shop near you or online at:

www.bikeped.pima.gov

Report road maintenance needs to:

Arizona DOT Street Maintenance	388-4200
Marana Streets Department	382-2500
Oro Valley Street Maintenance	229-5070
Pima County Street Maintenance	740-2639
Sahuarita Public Works	648-1972
South Tucson Public Works	792-2424
Tucson Street Maintenance	791-3154
Report aggressive drivers to the Tucson Road Rage Hotline235-R.	





Bike Classes for Everyone!

FREE classes for kids, racers, beginners, mechanics & more!

Classes include FREE bike light kits, helmets, U-locks & other great items.

Call 243-BIKE to sign up or visit www.bikeped.pima.gov



Sponsored by Pima County and the City of Tucson

Six ways to make BIKE COMMUTING

easier



- Get the right bike. Mountain bikes were designed for the dirt and are much slower than road bikes or hybrids. Pick the bike that's right for your ride.
- Drive to work on Monday with a week's worth of clothing. It's a good way to fight wrinkles and lighten your load.
- Gotta long ride? Use the bike racks on city buses to shorten your ride and give you a bailout on rainy days.
- 4. Got light? Everybody should have a bright headlight and at least one red flasher on the back. You may get stuck at work or school later than you planned.
 - State law requires a white headlight and red rear reflector after dark. It's a \$115 ticket if you're caught riding at night without a light.
- Pick a good route. Major streets can be intimidating for newer riders. Try different routes through neighborhoods and on paths.
- **6.** Ride flat free. There are many products to help you fight flats, including tire sealant, tire liners and puncture resistant tires.



Our Vision

Our vision is to have safe and viable bicycling across our diverse community.

Our Mission

The Tucson-Pima County Bicycle Advisory Committee (TPCBAC) serves in an advisory capacity to local governments on issues relating to bicycle recreation, transportation, and safety.

To get involved, call 243-BIKE or visit us at: www.BikeTucson.Pima.gov





Pima County Board of Supervisors

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Richard Elías, District 5
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Created by the Pima County Bicycle & Pedestrian Program, Matthew Zoll, Program Manager • www.BikePed.Pima.gov Design & illustration by David Burnham, Pima County Graphic Services