



Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the **Tucson-Pima County Bicycle Advisory Committee** and to the general public that the **Tucson-Pima County Bicycle Advisory Committee** will hold the following meeting which will be open to the public:

Meeting Date: **Wednesday, March 12, 2008**

Meeting Location: **Himmel Park Library** 1035 N. Treat Avenue  
(1 block south of Speedway Blvd). Please lock your bikes outside the meeting room.

Meeting Time: **6:00 PM to 8:00 PM**

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**Please arrive by 5:45 PM. If a quorum of 12 members is not reached by 6:10 PM City, County and other staff are required to leave and the meeting will be canceled.**

### Agenda

#### Projected Duration

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|--|----------------|
| 1. <b>Call to Order</b> ; Introductions and Approval of February meeting minutes   | <b>5 min.</b>  |
| 2. <b>Call to Public</b><br><br>This is the time when any member of the public may address the BAC. Due to time constraints, the total time allocated for this is 10 minutes. <b>Individuals are allowed three minutes each.</b> If additional time is needed to address the BAC, it may be considered as an agenda item for a future meeting. | <b>10 min.</b> |
| 3. <b>Law Enforcement Reports</b>  | <b>10 min.</b> |
| 4. <b>Assault of Bicyclists Issue</b>  | <b>10 min.</b> |
| 5. <b>Arrington Case Recap</b>   | <b>15 min.</b> |
| 6. <b>Adoption of updated Bylaws</b>   | <b>5 min</b>   |
| 7. <b>RTA Update</b>   | <b>10 min.</b> |
| 8. <b>Shared Lane Markings Presentation</b>  | <b>10 min.</b> |
| 9. <b>Establish BAC Nomination Committee</b>   | <b>10 min.</b> |
| 10. <b>Subcommittee Reports</b>  | <b>15 min.</b> |
| a. Executive   |                |

- b. Education and Outreach
- c. Enforcement
- d. Facilities
- e. Downtown
- f. Platinum Challenge Taskforce

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|--|-------------------|
| <b>11. Action Item Review</b>  | <b>5 min.</b>     |
| <b>12. Staff Reports</b><br>Tom Thivener, City of Tucson; Matt Zoll, Pima County; Nancy Ellis, Oro Valley; Steve Cheslak, Marana; Gabe Thum, Pima Association of Governments | <b>10 min.</b>    |
| <b>13. Announcements</b>   | <b>5 min.</b>     |
| <b>14. Adjournment</b>   | <b>at 8:00 pm</b> |



**TUCSON-PIMA COUNTY BICYCLE ADVISORY COMMITTEE****12 Members Necessary for Quorum**[www.BikeTucson.Pima.gov](http://www.BikeTucson.Pima.gov)

<b>CITY OF TUCSON</b>	<b>Representation</b>	<b>Phone</b>	<b>Fax</b>	<b>Other</b>	<b>E-mail</b>	<b>BAC Term Expires</b>
1 Jean Gorman	Representative for Mayor Bob Walkup	885-5299	885-5299	240-2723	prairiejean@aol.com	August 7, 2008
2 Steve Bresler (Parliamentarian)	Representative for Regina Romero, Ward 1	721-5764	721-5773		Sbresler@msn.com	December 5, 2011
3 Brian Beck (Vice Chair)	Representative for Rodney Glassman, Ward 2	795-3000 x 113		326-9587	coyotes@cox.net	July 7, 2010
4 John Fleming	Representative for Karen Uhlich, Ward 3	465-3784			psiklist@netscape.net	December 7, 2009
5 Wayne Cullop	Representative for Shirley Scott, Ward 4	290-4321		977-3018	pwcullop@comcast.net	December 5, 2011
6 Richard Corbett (Secretary)	Representative for Steve Leal, Ward 5	623-0017	903-9599		kc7ovm@dakotacom.net	December 7, 2009
7 Dave Boston	Representative for Nina Trasoff, Ward 6	623-1664			zxboston@yahoo.com	December 7, 2009
Tom Thivener, Bicycle & Pedestrian Coordinator	City of Tucson DOT	837-6691	791-5902		Tom.Thivener@tucsonaz.gov	Ex-Officio, BAC co- ordinator
<b><u>PIMA COUNTY</u></b>						
8 Diana Tolton (Chair)	Pima County	777-3266	615-8444	440-4663	dtolton@cox.net	June 30, 2008
9 David Bachman-Williams	Pima County	622-6992			bachmanwms@gmail.com	June 30, 2009
10 Bill Adamson	Pima County	648-6340		400-7707	billadamson@cox.net	June 30, 2008
11 Hank Rowe	Pima County	818-0059		954-4699	wurensh@msn.com	June 30, 2008
12 Martha Lemen	Pima County	400-9095			mlemem@earthlink.net	June 30, 2009
13 Eric Post	Pima County	870-3987			EricofAZ@cox.net	June 30, 2009
14 Norm Land	Pima County	870-2555			NormLand1@aol.com	June 30, 2008
15 Zach MacDonald	Pima County	248-9882		318-3015	Zach@ZachsMyAgent.com	June 30, 2009
16 Tony Crosby	Pima County	648-1290		780-3012	crosbyt@cox.net	June 30, 2009
17 Karen Berchtold	Pima County	207-5864			keberchtold@yahoo.com	June 30, 2009
Matt Zoll, Bicycle & Pedestrian Program Mgr.	Pima County DOT	740-6746	740-6341		Matt.Zoll@dot.pima.gov	Ex-Officio, BAC co- ordinator
<b><u>ORO VALLEY</u></b>						
18 Donna Aversa	Oro Valley	742-0440		742-9824	dmaversa@slfpc.com	December 31, 2008
Nancy Ellis, Bicycle/ Pedestrian/Trails Coord.	Oro Valley Parks & Rec	229-5057	797-2202		nellis@orovalley.net	Ex-Officio
<b><u>MARANA</u></b>						
19 (open)	Town of Marana					
Steve Cheslak (staff)	Town of Marana				scheslak@marana.com	Ex-Officio
<b><u>SAHUARITA</u></b>						
20 Merritt Howard	Town of Sahuarita	393-0935			merrithoward13@cox.net	March 21, 2008
<b><u>UNIVERSITY OF ARIZONA</u></b>						
21 Charles Franz	University of Arizona	626-7433	621-9898		cf Franz@email.arizona.edu	August 31, 2008
<b><u>Davis-Monthan AFB</u></b>						
22 John Thaxton	Davis-Monthan AFB	519-8067		390-0008	Thaxton3@cox.net	December 31, 2008
<b><u>TUCSON POLICE DEPT.</u></b>						
Lt. Mike Pryor/Sgt. Tim Beam (staff)	Tucson Police Dept	791-4389		793-5008	Mike.Pryor@Tucsonaz.gov, Tim.Beam@tucsonaz.gov	Ex-Officio
<b><u>P.C. SHERIFF'S DEPT.</u></b>						
Deputy Ryan Roher (staff)	Sheriff's Dept.	351-6162			Ryan.Roher@sheriff.pima.gov	Ex-Officio
<b><u>A.D.O.T.</u></b>						
Dan Williams (staff)	Arizona Dept of Transportation	388-4200			dwilliams@dot.state.az.us	Ex-Officio
<b><u>P.A.G.</u></b>						
Gabriel Thum	Pima Association of Governments	792-1093	620-6981		gthum@pagnet.org	Ex-Officio

**For questions or corrections, please contact Tom Thivener at 837-6691 or Matt Zoll at 243-BIKE**

**Tucson-Pima County Bicycle Advisory Committee**  
Draft Minutes of the Wednesday, February 13, 2008 Regular Meeting  
**Himmel Park Library, 1035 N. Treat Avenue**  
Tucson, AZ

Prepared and Submitted by  
Secretary Richard Corbett,  
Tucson Ward 5 Representative

**1. Call to Order, Introductions and Approval of January Meeting Minutes**

A quorum being present, Chair Diana Tolton called the meeting to order at 6:02 p.m. Members and guests present then introduced themselves (see attendance list at end of this document).

Vice-Chair Brian Beck moved that the draft January BAC minutes be approved, and Downtown Sub-committee Chair David Bachman-Williams seconded.

There were five minor corrections/additions to the minutes, which were noted by Secretary Richard Corbett.

The motion to approve the corrected draft January BAC minutes was then voted on and passed unanimously.

**2. Call to Public**

Peter Sibley stated that he was riding his bike to work and was shot with a paint ball, but was not able to get an ID. A few days later, he was struck with a baseball bat while riding to work, but did get a license number and a positive ID on the driver. The case was dropped due to there being uncertainty as to the race of the driver.

Vice-Chair Brian Beck asked that the Enforcement Sub-committee look into this.

Scott Blanchard stated that he owns Pyramid Coaching, and trains endurance athletes. About four weeks ago, he was cycling on the west side of Gates Pass, when a motor home swerved into him and the driver screamed at him. He claims there are lots of these type actions.

Sheriff's Deputies responded, and 'mirandized' him, and following conversation with the motor home driver, issued him a citation for criminal damage (He stated that he had to put his hand on the motor home when it swerved into him). He asked the Deputy why the motor home driver was not cited, and says he was told that the Deputy 'did not see' it. There was another cyclist with Blanchard, yet the Deputy refused to take a statement from the witness.

Downtown Sub-Committee Chair David Bachman-Williams asked that the Enforcement Sub-committee look into this too.

Eric Ryberg stated that these two examples illustrate failures of the enforcement system to protect the interests of cyclists. He believe we have a severe problem in

the community, and wants a top down directive from the Chief of Police to stop these types of failures

Chair Diana Tolton stated that she wants this issue on a future agenda, and wants to learn how police treat cyclists. The BAC will look into this matter further.

Enforcement Sub-committee Chair Eric Post asked that he get more specific info on both cases.

Former BAC Member Bill Katzel stated that the RTA Board meeting was January 31<sup>st</sup>, and Chair Diana Tolton, Facilities Sub-committee Chair Bill Adamson, Member Norm Land, two GABA members, and he attended to testify in defense of the voter approved bike lanes list not being diluted with non-voter approved projects. The RTA Board did pass the non-voter approved Arroyo Chico project for funding from bike lane funds. Katzel stated he is concerned about the implications of this action in terms of future voter actions.

### **3. Law Enforcement Report**

Tucson Police Sergeant Tim Beam reported 23 bike crashes (the exact same as last year). The driver involved in a fatal on Broadway was indicted for 2<sup>nd</sup> degree murder, based on intoxication level, but the County Attorney took it as a manslaughter charge.

He went on to describe targeted enforcement for both motorists and cyclists is continuing to be expanded. Cyclist violations include wrong-way riding, sidewalk riding, and traffic signal violations. Motorist violations include passing too close, and right hooks.

Secretary Richard Corbett stated that the targeted enforcement at Speedway and Campbell could have been more effective if it had been earlier (7:00 to 8:30 am, as opposed to 9:00 – 11:00 am)

Enforcement Sub-committee Chair Eric Post asked about TPD computer search capabilities. Sgt Beam stated that there is now a check box for bicycle involved on the TPD electronic citation forms. He mentioned that TPD is handing out many Share the Road Guides

Pima County Bike Program Manager Matt Zoll stated that a good location for stop sign violations is Park Avenue in the University area.

Pima County Sheriff's Deputy Ryan Roher noted that there were two reported injury crashes, and both drivers were cited. There was also a hit and run at Overton & La Cholla, where a lighted cyclist was hit by a driver who rolled thru a stop sign. There were four non-injury crashes, and both drivers and cyclists were cited for various offenses.

Sgt Beam stated that TPD generally does not cite both parties, instead looking for the violation that lead to the collision, and ignoring the non-contributory actions.

Deputy Roher went on to relate the recent enforcement contact regarding the Shootout Ride. There continues to be concerns.

#### **4. Arrington Case Recap**

This item was not covered, as staff was not present to discuss it.

#### **5. Recap of Davis Bike Conference from Attendees**

Tucson Bike Coordinator Tom Thivener handed out a sheet that he had from the Davis Bike Conference, showing a program that Portland Oregon has called “Smart Trips”. He went on to describe the incentives and the staffing for the program. A coupon book is a key item for every participant.

Pima County Bike Program Manager Matt Zoll supports this targeted marketing approach, and the use of Bike Ambassadors to promote and market it.

PAG Staff Gabe Thum stated that it might be possible for the PAG TRP program to use this approach.

Chair Diana Tolton said that it might be possible to ‘catch’ people along the Rillito path.

Vice-Chair Brian Beck asked how many Bike Ambassadors will there be? His concern is that they might be spread too thin. He suggested that the PAG TRP Program could support this approach, to bolster the Bike Ambassador Program.

PAG Staff Gabe Thum reported that he was impressed with bike planning in other countries – it gives a different perspective. He also attended a session on traffic engineering for cycling – measures of performance and safety. He was impressed with the tour of Davis’ facilities

Secretary Richard Corbett also attended (representing the Coalition of Arizona Bicyclists) and was very impressed with Program quality. He has been to many bike conferences and seminars, and was pleasantly surprised at how much new and useful content there was. He stressed his focus on pedestrian issues and needs.

#### **6. RTA Update**

Facilities Sub-committee Chair Bill Adamson asked PAG Staff Gabe Thum to report on the RTA meeting. Thum stated that all the projects were passed, and that the PAG Bike Ped Working Group membership is being updated. There is focus on how to prioritize the HAWK signals, and criteria for ‘Off-List’ projects. (!)

Chair Diana Tolton asked if the BAC could show the Master Plan to the Working Group?

PAG Staff Gabe Thum handed out a membership list of the RTA CART Committee, and mentioned that they (CART) are setting up criteria for projects.

Secretary Richard Corbett mentioned that he had asked to be on the PAG Bike-Ped Working Group, representing Arizona Walks (a Chapter of America Walks), and was told he would have to resign his BAC seat first.

Facilities Sub-committee Chair Bill Adamson pointed out that the list of RTA bike projects in the packet is impressive. He went on to state that he and others are working hard to try to overcome non-ballot projects being advanced for RTA funding. The map on the ballot came from the list that the PAG Bike-Ped Working Group developed over many months, and therefore is directly tied to it. Adamson believes that the non-staff members of the PAG Bike-Ped Working Group should be a majority of the Group.

Facilities Sub-committee Chair Bill Adamson moved for BAC to send a letter asking for these actions to PAG and the RTA Boards, with copies to all PAG jurisdictions. Parliamentarian Steve Bresler seconded the motion.

Pima County Bike Program Manager Matt Zoll suggested the letter include the request that all new projects go through the BAC.

Chair Diana Tolton said that the Arroyo Chico project needs input from the BAC- can it happen? PAG Staff Gabe Thum said yes, but who on BAC has design experience? Secretary Richard Corbett said he has sufficient design background and experience to do so (he cited his 25 years with ADOT, in addition to graduate CE courses).

Fomer Member Roy Schoonover cited the Veterans Memorial Overpass as an excellent example of citizen input and involvement – the Overpass and its connecting ramps are all bike-friendly. He said Marana has submitted four IGAs, and suggests that BAC seek input to these (Camino de Manana, and three intersections on Silverbell Road.

## **7. BAC Consent Agenda**

Downtown Sub-Committee Chair David Bachman-Williams moved to approve the two items, and Member Wayne Cullop seconded the motion. The motion was passed unanimously.

Facilities Sub-committee Chair Bill Adamson praised staff members Zoll, Thivener, and Thum for their hard work.

## **8. Discuss Upcoming Meeting with Town of Marana**

It was proposed to meet at Marana on June 11<sup>th</sup>. Chair Diana Tolton will confirm this with Town Officials. The agenda is proposed to be full reports from each Sub-committee.

## 9. Subcommittee Reports

Ex-Officio Member Roy Schoonover stated it is critical to contribute and be involved with design and signage issues of the RTA projects. He cited some project examples as the basis for this – quality is so important to achieve.

Citizen Randy Rogers-Gardner asked if BAC interfaces with Tucson Clean and Beautiful? Chair Diana Tolton answered that we have not yet, but we will.

**Executive:** Chair Diana Tolton stated that she has been working with Tucson Bike Coordinator Tom Thivener to recognize former members. She then presented to Ex-Officio Member Roy Schoonover, the first ‘Schoonover Award’ – a really nicely done clock, made with bicycle chain wheels. It was noted that today (February 13<sup>th</sup>), is Roy’s birthday.

Ex-Officio Member Roy Schoonover thanked the BAC, and then went on to state that he has a meeting with Gary Hayes and Jim DeGrood tomorrow, to address the concerns about the bike-ped lists, and the extra projects that have been brought in. He went on to thank Chair Diana Tolton for her contributions.

Facilities Sub-committee Chair Bill Adamson stated that Roy Schoonover is the ‘Henry Kissinger’ of the BAC.

**Education:** Education Sub-committee Chair Brian Beck handed out a list of Bike Fest events, and noted that Tom Thivener had really done all the work in getting these arranged. There are lots of ‘tabling’ opportunities, and he has hopes to make use of the Bike Ambassadors to help. He will take the lead for the May 21<sup>st</sup> Ride of Silence, and may change the route to make it shorter (and easier for more people to participate).

There was discussion about the possibility of placing ‘Ghost Bikes’ to memorialize cyclists killed. There was concern expressed about the vandalization of these. Maybe paint them on the pavement? Pima County Bike Program Manager Matt Zoll said this could be a problem legally. Former Member Bill Katzel suggested using an iron cross welded to a white bike –he said one in Sahuarita had been in place for two years. Tucson Bike Coordinator Tom Thivener suggested that a monument at the planned Catalina Highway Park might work.

Citizen Randy Rogers-Gardner said that ADOT had been removing roadside memorials, but the Legislature made them legal in non-urban areas of the state. Enforcement Sub-committee Chair Eric Post said he would check on it.

**Enforcement:** Enforcement Sub-committee Chair Eric Post reported he had met with Ralph Phillips to discuss the shootout ride, and had a congenial discussion. He also met with Former Member Scott Biaggi, who observed that many riders are either out of state or foreign. Biaggi also observed that there are effectively no alternate routes. It might be possible to put a meeting together, but he doubts there would be much attendance. Post noted that the Police training videos had been

prioritized and that Tom Thivener has the list decided on at the Enforcement meeting.

**Facilities:** Facilities Sub-committee Chair Bill Adamson reported that the West Desert Preserve (Green Valley) is in the Pima County Bond Package and moving forward. He also mentioned the upcoming PAG TIP open houses, in Green Valley March 4<sup>th</sup>, and in Tucson March 7<sup>th</sup> and 11<sup>th</sup>.

**Downtown:** Downtown Sub-Committee Chair David Bachman-Williams reported that the Downtown Links design has been modified to better accommodate cyclists and pedestrians, and is well under way. Church and Sixth Street will be a “T” intersection, as well as enhanced landscaping. He went on to say that Shared Lane Use markings would be used on Stone and Sixth Avenues, instead of the previously ill-conceived ‘door zone’ bike lanes.

**PAG Platinum Task Force:** PAG Platinum Task Force Chair Richard Corbett reported that the draft application has been completed, and he went on to thank his committee chairs: Donna Lewandowski, Kathryn Skinner, Tom Thivener, Gabe Thum, and Sgt Paul Tosca. Corbett observed that the application is greatly improved in virtually all areas.

#### **10. Action Item Review**

No report on this item.

#### **11. Staff Reports**

PAG Staff Member Gabe Thum announced that the 2006 crash data is in

Pima County Bike Program Manager Matt Zoll reported that 6<sup>th</sup> Avenue is a great improvement.

Tucson Bike Coordinator Tom Thivener reported further on the shared lane use markings, and also revealed that on U of A, there will be a ‘Bike Box’ experiment.

#### **12. Announcements**

Downtown Sub-Committee Chair David Bachman-Williams reported that there is no ban on bikes on the I-10 frontage roads, as has been rumored.

#### **13. Adjournment**

Secretary Richard Corbett moved to adjourn the meeting, Enforcement Sub-committee Chair Eric Post seconded, and the motion was passed unanimously. The meeting was adjourned at 8:11 p.m.

~~~ ATTENDANCE ~~~

**Members**

Bill Adamson, Pima County  
Donna Aversa, Oro Valley  
David Bachman-Williams, Pima County  
Brian Beck, Ward 2 (Vice-Chair)  
Dave Boston, Ward 6  
Steve Bresler, Ward 1 (Parliamentarian)  
Richard Corbett, Ward 5 (Secretary)  
Tony Crosby, Pima County  
Wayne Cullop, Ward 4  
Jean Gorman, Mayor's Representative  
Norm Land, Pima County  
Martha Lemen, Pima County  
Eric Post, Pima County  
Diana Tolton, Pima County (Chair)

**Staff**

Sgt Tim Beam, Tucson Police Dept.  
Nancy Ellis, Oro Valley  
Dep. Ryan Roher, Sheriff's Office  
Tom Thivener, TDOT  
Gabe Thum, PAG  
Matt Zoll, PCDOT

**Members of the Public**

Scott Blanchard, Citizen  
Dan Distefano, Citizen  
Bill Katzel, Citizen  
Randy Rogers-Gardner, Citizen  
Eric Ryberg, Citizen  
Anastasia Sibley, Citizen  
Peter Sibley, Citizen  
Kylie Walzak, Citizen

# TUCSON-PIMA COUNTY BICYCLE ADVISORY COMMITTEE (TPCBAC) BYLAWS

(Adopted December 11, 2002; amended \_\_\_\_\_)

*A committee established by Tucson Code, Sec. 10a-130, Article XII, and Pima Co. Resolution 1998-109*

## ARTICLE 1. NAME AND PURPOSES

- A. **NAME.** The name of this organization shall be the Tucson-Pima County Bicycle Advisory Committee (hereinafter referred to as the "Committee").
- B. **PURPOSES.** The purpose of the Committee shall be to:
- (1) To confer with and advise the governing bodies of the city and county on community concerns relating to bicycling.
  - (2) To organize community programs and projects to provide information and education to the community on bicycling.
  - (3) To review and make recommendations on proposed local, state and federal legislation relating to bicycling.
  - (4) To act as an official advisory agency to the city and county governing bodies for technical questions and concerns related to bicycling.
  - (5) To render an annual report of committee activities to the governing bodies of the city and county, and to file minutes of committee meetings with the two (2) governing bodies.
  - (6) To recommend such action to the governing bodies of the city and county as the committee deems necessary or desirable to accomplish the above functions, and to put its policies into practice.

## ARTICLE 2. MEMBERSHIP

- A. **NUMBER OF MEMBERS.** The committee shall consist of no fewer than seventeen (17) voting members, seven (7) of which shall represent the City of Tucson and ten (10) shall represent Pima County. In addition other municipalities and governmental entities such as those mentioned in Article 2 C (3) may each appoint one (1) voting member.
- B. **QUALIFICATIONS OF MEMBERS.** The membership of the Committee shall not be employees of the City of Tucson or Pima County.
- C. **APPOINTMENT OF MEMBERS.**
- (1) **City of Tucson Appointees.** The Mayor and members of the Council shall each appoint one (1) person, for a total of seven (7), to serve as voting members of the Committee. In addition, the City Department of Transportation shall appoint one (1) member of the Department's staff to serve as a non-voting Ex-officio member of the Committee.
  - (2) **Pima County Appointees.** The Board of Supervisors shall appoint ten (10) persons, each of whom shall have been proposed by the Department of Transportation, to serve as voting members of the Committee. In addition, the Department of Transportation shall appoint one (1) member of the Department's staff to serve as a non-voting Ex-officio member of the Committee.

- (3) Other Voting Appointees. Other municipalities and governmental entities located within Pima County but not part of City of Tucson or Pima County governments, such as, the towns of Oro Valley, Marana, Sahuarita, the city of South Tucson, the University of Arizona, Pima Community College, and Davis Monthan Air Force Base, may each appoint one (1) individual as a voting member of the Committee.
- (4) Other *Non-Voting* Members. The Chair may appoint individuals representing other non-governmental or municipality entities within Pima County as nonvoting, ex-officio members of the Committee. In accordance with Section 10A-137(a) of the Tucson Code, the chairperson of a body may, with the consent of a majority of the current members of the body, appoint no more than four (4) advisory (Ex-Officio) members to the body. Ex-Officio members may be appointed for a period of two (2) years, and may be re-appointed.

#### D. LENGTH OF TERMS

- (1) City of Tucson Members. The term of each voting city member shall be coterminous with that of the elected official making the appointment. In no case may a member serve more than eight (8) continuous years on the Committee. (2) Pima County Members. The length of term of each voting county member shall be two (2) years from the time of appointment.
- (2) Other Members. The length of term of each voting member appointed by another municipality or governmental entity shall be determined by the appointing authority. The length of term of each non-voting Committee appointee shall be no longer than two (2) years.
- (3) When an appointment is made to fill a vacancy that has occurred prior to the normal expiration date of a term, the replacement shall serve the remaining portion of the term for the member they are replacing.

E. REQUIRED ATTENDANCE. In accordance with Section 10A-134(e) of the Tucson Code, a member will be automatically and immediately removed from the Committee if that member misses four (4) consecutive meetings or fails to attend at least forty (40) percent of the meetings in a calendar year.

F. VOTING. Each voting member shall have one (1) vote, which must be exercised in person.

#### ARTICLE 3. OFFICERS

- A. OFFICERS The officers of the Committee shall be a Chair, a Vice-Chair, a Secretary and a Parliamentarian,.
- B. QUALIFICATIONS OF OFFICERS. Only voting members who have served on the Committee for a minimum of six (6) months shall be eligible to hold the office of Chair or Vice-Chair, unless the composition of the Committee does NOT meet this criterion.
- C. DUTIES OF OFFICERS

- (1) Chair. The Chair shall: assure notice of meetings be given to members of the Committee; preside at meetings of the Committee; appoint special groups, Ex-Officio members, sub-committees and the chairs thereof, as necessary to conduct the business of the Committee; cause the decisions of the Committee to be communicated and implemented; act as the official spokesperson for the Committee; and all other duties normally associated with position of Chair.
- (2) Vice-Chair. The Vice-Chair shall: in the absence of the Chair, preside at meetings of the Committee; assume the office of the Chair should a vacancy occur prior to the normal expiration date of that office; and, perform such duties as may be directed by the Chair.
- (3) Secretary. The Secretary shall record and keep minutes (including attendance) of all meetings of the Committee; maintain, in cooperation with Tucson and Pima County staff members, up to date membership records, prepare ballots for election of officers; in the absence of the Chair and Vice-Chair, preside at meetings of the Committee; and, perform such other duties as may be directed by the Chair.
- (4) Parliamentarian. The Parliamentarian shall assure adherence to an orderly meeting protocol, and in the absence of the Chair, Vice-Chair, and Secretary, preside at meetings of the Committee; and shall perform such other duties as may be directed by the Chair.

#### D. ELECTION OF OFFICERS

- (1) Nomination of Candidates.
  - (a) *Nominating sub-committee.* Two (2) months prior to an election meeting, the Chair shall appoint three (3) members of the Committee to serve as a nominating sub-committee, and shall designate one of them as Chair of the sub-committee.
  - (b) *Nominations by the nominating sub-committee.* At or prior to the regular meeting that immediately precedes an election meeting (hereinafter referred to as the "pre-election meeting"), the nominating *sub-committee* shall present to the Chair a list that includes at least one ( 1 ) candidate for each office. At that pre-election meeting, the Chair shall present to the Committee the names of these candidates, all of whom must be present and agree to stand for election.
  - (c) *Nominations from the floor.* Following the required presentation of the nominating group's candidates at the pre-election meeting, the Chair shall ask for nominations from the floor. Voting members may nominate additional candidates for each office, and each candidate so nominated shall be present and agree to stand for election.
- (2) Date of Election Meeting. The election of officers shall be held each year at the regular meeting in May. Special election meetings may be held at other times, as needed to fill vacancies.
- (3) Election Procedures.
  - (a) Candidates will be listed in the agenda for the meeting when the election will be held.

- (b) Order of election. The Chair shall be elected first, the Vice-Chair second, the Secretary third and the Parliamentarian last. The result of each election shall be announced before proceeding to the next election.
  - (c) Voting. Voting shall be accomplished by a show of hands, or voice. Each voting member shall vote for no more than (1) candidate for each office.
  - (d) Outcome. To be elected to an office, a candidate must receive a majority of the votes cast for that office, but in no case less than a majority of a quorum.
- E. LENGTH OF TERMS. The length of term for each office shall be one (1) year, beginning on the first day of June, which is the month immediately following the date of the election meeting; provided, however, that the term shall not extend beyond the expiration of the officer's membership (Unless there is reasonable expectation that the member will be re-appointed, this shall not prevent their election).
- F. CONDITIONS. No member shall hold more than one (1) elected office at any time

#### ARTICLE 4. SPECIAL GROUPS

The Chair may appoint sub-committees composed of committee members, and non-Committee members, as necessary to advise and/or assist the Committee on specific projects, events, or issues. The Chair may designate another elected officer to coordinate the activities of the sub-committees.

#### ARTICLE 5. RESIGNATION OR REMOVAL OF MEMBERS

- A. RESIGNATION. A member may resign from the Committee at any time by so notifying their appointing official, in addition to providing a courtesy notification to the Chair, Secretary, City Clerk and County Clerk.
- B. REMOVAL. In accordance with Section 10a-134(e) of the Tucson Code, a member may be removed from the Committee for failure to meet the attendance requirements, or for other reasons resulting from legislative action by their Appointing Authority.

#### ARTICLE 6. MEETINGS

- A. NOTICE OF MEETINGS. The Chair shall cause notice of meetings to be given to the Committee members, and such notice shall specify the time and place at which each meeting is to be held. This notice shall comply with the appropriate Arizona open meeting laws. Notice shall also be published when a regular meeting will not take place
- B. NUMBER OF MEETINGS. Regular meetings shall normally be held in April and May of each calendar year and once each month during eight (8) of the remaining ten (10) months of that year. In addition, special meetings may be held whenever deemed necessary by the Chair, or a majority of the members.
- C. QUORUM. A majority of the authorized membership of the Committee shall constitute a quorum.

## ARTICLE 7. COMMITTEE REPORTS

The Committee shall provide to the Tucson City Council, Pima County Board of Supervisors, and other Appointing Authorities, as well as to appropriate departments, units and/or subdivisions of the City of Tucson, Pima County, and other Appointing Authorities, such reports as may be requested or otherwise required to fulfill the purpose for which the Committee was established. Minutes of all meetings of the Committee shall be filed with the Tucson City Clerk and the Pima County Clerk.

## ARTICLE 8. LIMITS OF AUTHORITY

- A. EXPENSES AND OBLIGATIONS. In accordance with Section 10A-132 of the Tucson Code, neither the Committee, nor any of its members, shall incur any expenses or otherwise cause the City of Tucson and/or Pima County to be obligated in any manner unless authorized by the affected Governing Body.
- B. LOBBYING ACTIVITIES. No member shall lobby as a committee member for any purpose unless specifically authorized by the City of Tucson Mayor and Council, the Board of Supervisors, or their Appointing Authority.
- C. ENDORSEMENTS. No member shall represent his or her personal involvement in any activities or endorsements as being those of the Committee, unless authorized by the Committee.

## ARTICLE 9. ADMINISTRATIVE RESPONSIBILITY

The Tucson Department of Transportation and the Pima County Department of Transportation shall provide the Committee with support staff and resources sufficient to enable the Committee to fulfill the purposes for which it was established. Other jurisdictions appointing members may provide staff support, either temporary or permanent.

## ARTICLE 10. PARLIAMENTARY AUTHORITY

Mayor and Council Rules of Procedure take precedence over the rules contained in Robert's Rules of Order, Newly Revised. Robert's Rules of Order shall govern the order of business of Committee meetings in all cases to which they are applicable and insofar as they are compatible with the Mayor and Council Rules of Order and the bylaws of the Committee.

## ARTICLE 11. AMENDMENT

Bylaws of the Committee may be amended, repealed or adopted by an affirmative vote of not less than two-thirds (2/3) of the voting members present and voting at a meeting of the Committee at which a quorum is present. Notice of proposed amendments, or of intent to repeal and/or adopt new bylaws, must be given to all members at least seven (7) days prior to the meeting at which the vote is to take place.



# Five Points Stone Avenue/Sixth Avenue/18<sup>th</sup> Street Intersection and Miscellaneous Improvement Project

The Tucson Department of Transportation (TDOT) and Southern Arizona Paving are scheduled to begin roadway improvements in early November. Construction is expected to take approximately six months to complete. This schedule is approximate and may vary depending on weather and other construction-related issues. Work hours will be from 7:00 a.m. to 3:30 p.m. with occasional night work. Final paving may be done at a later date, depending on temperature restrictions.

This project will involve resurfacing both Sixth Avenue and Stone Avenue from the 5 Points intersection to Broadway Blvd., drainage improvements, and re-striping for two-way traffic. When complete both Sixth Avenue and Stone Avenue between 5 Points and Broadway Blvd. will handle both northbound and southbound traffic.

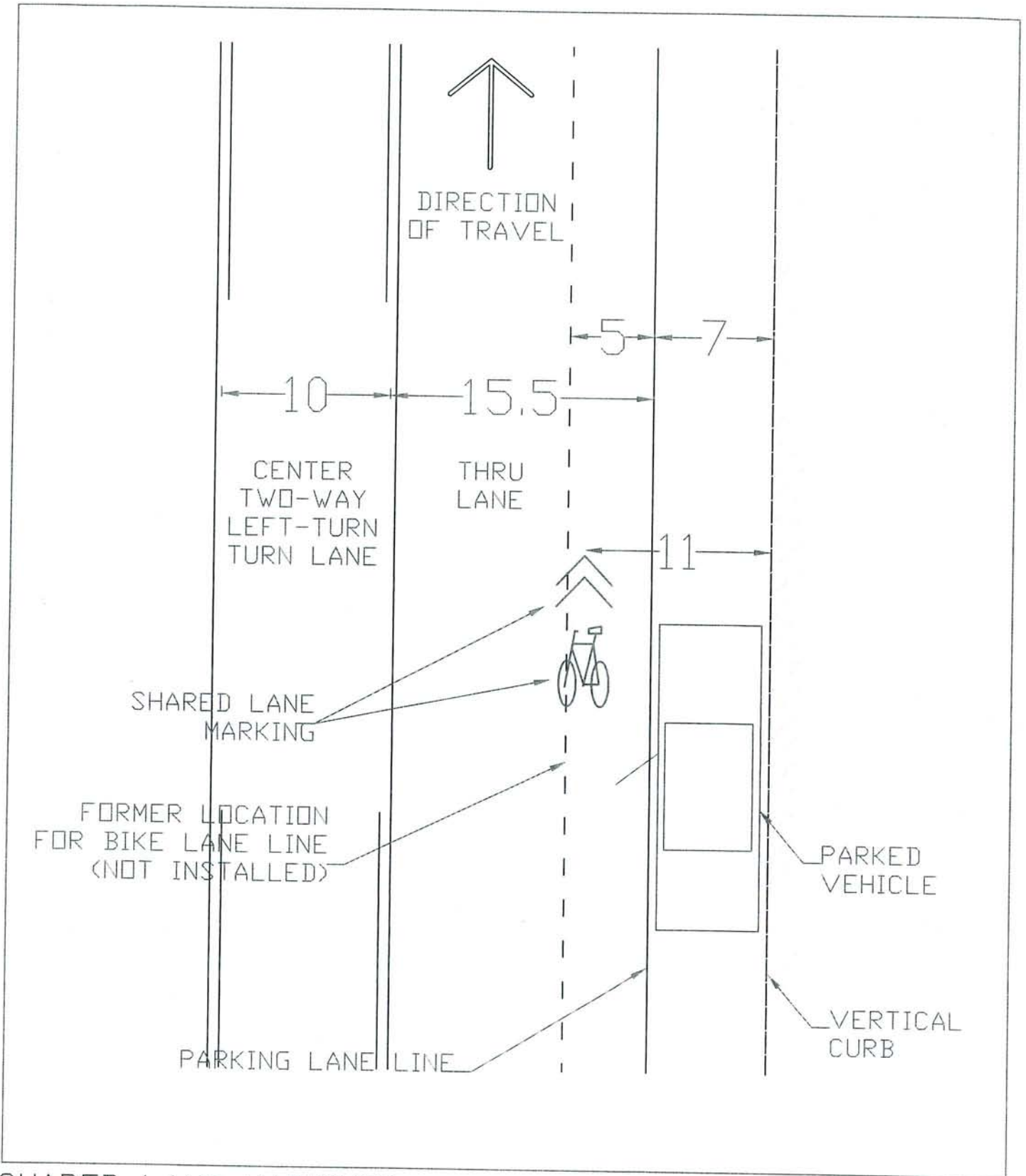
Access to businesses in the construction zone will be open at all times. Please remind children that the safest place for them to be is *away from the construction site and equipment*.

### HOW TO CONTACT THE CONSTRUCTION TEAM

If you encounter construction-related problems during this project, please contact:

**Matt Sierras, TDOT Project Inspector** ..... (520) 400-3995  
**Jesse Gutierrez, TDOT Engineering Manager** ..... (520) 837-6627

*Thank you for your patience and cooperation as we work to provide a better community.*



SHARED LANE MARKINGS  
 INSTALLATION  
 S. 6TH AVE/STONE AVE



## National Committee on Uniform Traffic Control Devices

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17200 West Bell Road No.1135 \* Surprise, Ariz. 85374  
Telephone (623) 214-2403 \* e-mail: ncutcd@aol.com

### TECHNICAL COMMITTEE RECOMMENDATION

**TECHNICAL COMMITTEE:** Bicycle Technical Committee

**DATE OF ACTION:** 07 January 2005 (*revised 23 June 2005, 18 January 2007*)

**TOPIC:** Proposed Shared Lane Marking  
Part 9 of the MUTCD

**ORIGIN OF REQUEST:** NCUTCD Bicycle Technical Committee

#### DISCUSSION:

Traffic lanes are often too narrow to be shared side-by-side by bicyclists and passing motorists. Where parking is present, bicyclists wishing to stay out of the way of motorists often ride too close to parked cars and risk being struck by a suddenly opened car door (being "doored"). Where no parking is present, bicyclists wishing to stay out of the way of motorists often ride too close to the roadway edge, where they run the risks of being run off the road, being clipped by overtaking motorists who misjudge passing clearance, or of encountering drainage structures, poor pavement, debris, and other hazards.

Riding further to the left avoids these problems, and is legally permitted where needed for safety. However, this practice can run counter to motorist expectations. A pavement marking that indicates the legal and appropriate bicyclist line of travel, and cues motorists to pass with sufficient clearance, is needed. In recognition of this need, several symbols and variations are being used by numerous local agencies around the country.

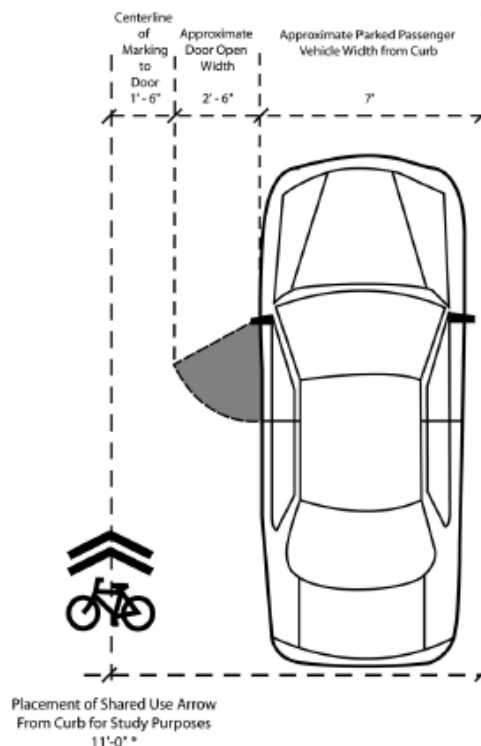
To address this growing problem, the City of San Francisco selected two (2) candidate Shared Lane Markings based on a human factors study, and conducted an on-street test of those markings that was completed in February of 2004.

The results showed significant improvements to bicyclists' and motorists' positioning in the roadway, and identified the bike-with-chevron marking as most effective. These results have since provided guidance to the California Department of Transportation (Caltrans) to adopt the Shared Lane Marking in the California Supplement to the MUTCD.

The draft proposal that the Bicycle Technical Committee is transmitting to sponsors is based on the findings of the San Francisco study and the language and figure adopted in the MUTCD California Supplement.

Results from the San Francisco study indicate that the shared lane marking:

- Improves positioning of the bicyclist and motorist
  - Increases the distance between bicyclists and parked cars (by 8 inches in the SF study)
  - Increases the distance between overtaking motorists and bicyclists (by 2 feet in the SF study)
- Improves bicyclist behavior
  - Reduces wrong-way bicycling, a major cause of collisions (by 80% in the SF study)
- Reminds motorists of likely bicyclist presence
  - When surveyed, motorists claimed they did not notice the marking; however, the data indicates that their position on the roadway was adjusted to better accommodate bicyclists.



**Diagram from San Francisco Shared Lane Marking study**

These proposed changes were also reviewed by the NCUTCD Markings Technical Committee at their meeting in January 2005.

**COMMITTEE ACTION:**

The Bicycle Technical Committee recommends that the National Committee forward this proposal to Federal Highway Administration for consideration.

***Approved 35-0-3 by NCUTCD Council 19 January 2007.***

## **Section 9C.XX Shared Lane Marking**

Support:

The Shared Lane Marking is intended to:

1. Help bicyclists position themselves in lanes too narrow for a motor vehicle and a bicycle to travel side by side within the same traffic lane;
2. Encourage safe passing of bicyclists by motorists;
3. Reduce the chance of a bicyclist's impacting the open door of a parked vehicle in a shared lane with on-street parallel parking;
4. Alert road users of the lateral location bicyclists may occupy; and
5. Reduce the incidence of wrong-way bicycling.

Option:

The Shared Lane Marking shown in Figure 9C-X may be used to assist bicyclists with positioning in a shared lane with on-street parallel parking and to alert road users to the location a bicyclist may occupy within the traveled way.

**Standard:**

**If used in a shared lane with on-street parallel parking, Shared Lane Markings shall be placed so that the centers of the markings are a minimum of 3.3 m (11 ft) from the curb face, or from the edge of pavement where there is no curb.**

**Shared Lane Markings shall not be used on shoulders or in designated bicycle lanes.**

Guidance:

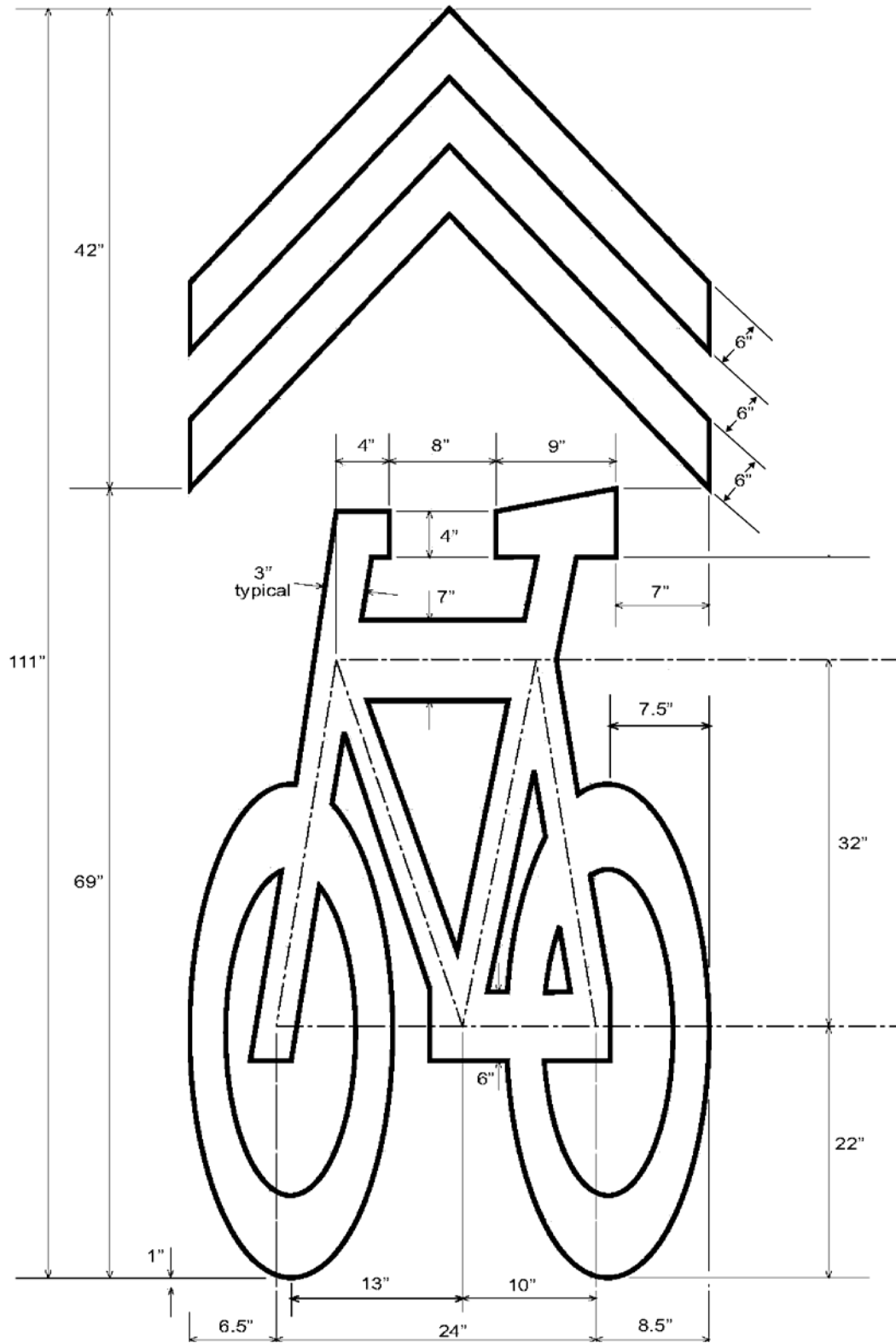
The Shared Lane Marking should not be placed on roadways with a speed limit above 55 km/h (35 mph).

When used, the Shared Lane Marking should be placed immediately after an intersection and spaced at intervals not greater than 75 m (250 ft) thereafter.

Option:

When the shared lane marking is used, the distance from the curb or from the edge of pavement or paved shoulder may be increased beyond 3.3 m (11 ft).

Figure 9C-XX. Shared Lane Marking





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Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the EXECUTIVE SUBCOMMITTEE OF THE TUCSON-PIMA COUNTY BICYCLE ADVISORY COMMITTEE and to the general public that the EXECUTIVE SUBCOMMITTEE will hold the following meeting, which will be open to the public:



**2008**

**EXECUTIVE SUB-COMMITTEE OF THE TUCSON - PIMA COUNTY BICYCLE  
ADVISORY COMMITTEE**

**Wednesday, February 27, 2008**

MEETING NOTICE

The **EXECUTIVE SUBCOMMITTEE** will conduct a meeting at **6 P.M., WEDNESDAY, February 27, 2008** in the **HIMMEL PARK LIBRARY, 1035 N. TREAT**, Tucson, Arizona.

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**AGENDA**

|                                                                         | <u><b>Projected Duration</b></u> |
|-------------------------------------------------------------------------|----------------------------------|
| 1. Call to Order / Roll Call                                            | 5 min.                           |
| 2. Call to the public                                                   | 5 min.                           |
| 3. Discuss agenda items for March 12 TPCBAC meeting                     | 20 min.                          |
| 4. RTA updates and Roy Schoonover address the EC regarding RTA projects | 5 min.                           |
| 5. Review By-law changes                                                | 5 min.                           |
| 6. City's use of shared-lane markings                                   | 10 min.                          |
| 7. Assault of Bicyclists Issue                                          | 10 min.                          |
| 8. Arroyo Chico Project                                                 | 5 min.                           |
| 9. BAC master plan for presentation to RTA working group etc.           | 5 min.                           |
| 10. Letter regarding BAC representation on the Bike-ped working group   | 5 min.                           |
| 11. Marana meeting                                                      | 5 min.                           |
| 12. Tucson Clean and Beautiful                                          | 5 min.                           |
| 13. Discuss goals and initiatives raised at October's retreat           | 10 min.                          |
| 14. Subcommittee updates                                                | 10 min.                          |

- |                                                 |         |
|-------------------------------------------------|---------|
| 15. Reports/updates from staff representative's | 10 min. |
| 16. Action list updates                         | 5 min.  |
| 17. Adjourn                                     |         |
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Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the **EDUCATION/OUTREACH SUBCOMMITTEE OF THE TUCSON/PIMA COUNTY BICYCLE ADVISORY COMMITTEE** and to the general public that the **EDUCATION/OUTREACH SUBCOMMITTEE** will hold the following meeting which will be open to the public:

**EDUCATION/OUTREACH SUBCOMMITTEE  
OF THE TUCSON/PIMA COUNTY BICYCLE ADVISORY COMMITTEE**

**WEDNESDAY, MARCH 5, 2008**

MEETING NOTICE

The **EDUCATION/OUTREACH SUBCOMMITTEE** will conduct a meeting at **5:30 P.M., WEDNESDAY, MARCH 5, 2008** at the **WARD VI COUNCIL OFFICES, 3202 E. FIRST STREET**, Tucson, Arizona.

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AGENDA

1. Call to Order / Roll Call
  2. Call to the public
  3. Discussion of bike activities during Clean Air Days 08 (BikeFest)
  4. Discussion of Ride of Silence
  5. Discussion of Subcommittee Goals and Mission for 2008
  6. Review of current subcommittee initiatives
  7. Future agenda and action items
  8. Adjournment
-



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**January 29, 2008**

**FACILITIES SUBCOMMITTEE OF THE TUCSON-PIMA COUNTY BICYCLE ADVISORY COMMITTEE (BAC)**

**Draft Meeting Notes**  
*Matthew Zoll, PCDOT*

The BAC Facilities Subcommittee held a meeting on January 29<sup>th</sup>, 2008 at 5:45 p.m. at the Perimeter Bicycling Association of America, 2609 E Broadway Blvd., Tucson, Arizona.

**1. Call to Order / Roll Call**

Meeting called to order 5:45 p.m. by Bill Adamson. BAC FSC members who attended include Alicia Heiserer, Bill Adamson, Roy Schoonover, Norm Land, Wayne Cullop, Larry Robinson, Randy Rogers-Gardner, Robin Steinberg, Gabe Thum (PAG), Ann Chanecka (City of Tucson), and Matt Zoll (Pima County).

**2. Minutes**

Minutes for the January 8<sup>th</sup> meeting were reviewed and Alicia made a motion to approve with Wayne seconding. Minutes approved unanimously.

**3. Resolutions/Letters**

No report

**4. Updates/Ongoing Projects**

Bill announced that West Desert Preserve project is moving forward with the proposed bond list and was highlighted as a good community-driven project.

There was discussion of reorganizing the BAC FSC committee to have various committees for the different jurisdictions. It was suggested instead that the committee be streamlined and be more focused. Another idea would be to have specific task forces, or should each area task force develop a master plan for their area (such as Green Valley did with their bicycle/pedestrian master plan). PAG may form a bicycle task force to take part in the PAG 2040 Long-Range Master Plan. The RTA will likely form the basis for bike facilities in the plan.

**RTA**

List handed out, discussion on revising the list to give more information on status of the projects.

## **5. Updates for Ongoing Projects**

RTA, RTP, TIP – County should be able to implement RTA projects although potentially the Colossal Cave project may be delayed due to state and local funding cutbacks.

Bond projects – Between \$25 to \$44 million for shared use path projects are estimated to be on the Park and Rec subcommittee list for the proposed bond, which may go to the public for vote in 2009. A large amount of public support will be necessary from the cycling community to get the projects listed in the full bond list. April 25<sup>th</sup> is the next bond meeting.

Metro Tucson bike routes – 3<sup>rd</sup> Street bike route has partially been reviewed to make sure it's properly signed. Stone to Columbus on 3<sup>rd</sup> Street may be updated first. Pima County Parks and Rec is also working on updating the trails signing. Signing types and standards will be reviewed.

Kino/22<sup>nd</sup> – Open house was recently held. A CAC meeting will be held tomorrow night.

ADOT Liaison – Roy will check with ADOT regarding adding shoulders through restriping on Valencia between Benson and I-10.

Grant Road – Some preliminary planning/design has been done involving citizens. The task force will also go through the same process, with some important decisions to be made by the task force soon.

Downtown – Implementation of Stone/6<sup>th</sup> Ave should go forward soon. Shared use lane markings may be used in place of bike lanes. It was recommended that the city bring the proposed designs to the BAC.

RTA bike/ped working group – Tomorrow there will be discussion on future makeup of the RTA bike/ped group and discussion of more in-depth cost estimating. Norm gave a good presentation to the CART committee on not adding non-RTA list projects (putting a moratorium on non-list projects). The committee was very receptive to the presentation and requested that PAG give a report on this to the RTA board meeting this Thursday. BAC FSC members will attend the RTA board meeting and present again.

## **6. New Projects**

Suggestion for next meeting: How to get Hughes Access/Alvernon moving. A proposal would need to put together on how some non-governmental entities can support the project and then potentially the jurisdictions could submit for RTA funding in October 2008 for Fiscal Year 2009-2010 funding.

## **7. Agenda Items for Future Meetings**

Add Hughes Access/Alvernon  
Kino/I-10 overpass  
TIP Open House is coming up in March

## **8. Next Meeting**

The next meeting is was not scheduled. Meeting adjourned at 7:50.



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Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the **DOWNTOWN BICYCLE SUBCOMMITTEE OF THE TUCSON/PIMA COUNTY BICYCLE ADVISORY COMMITTEE** and to the general public that the **DOWNTOWN SUBCOMMITTEE** will hold the following meeting which will be open to the public:

**2008**

**DOWNTOWN BICYCLE SUBCOMMITTEE OF THE  
TUCSON/PIMA COUNTY BICYCLE ADVISORY COMMITTEE**

**MONDAY, February 25, 2008**

MEETING NOTICE

The **DOWNTOWN BICYCLE SUBCOMMITTEE** will conduct a meeting at **3:30 P.M., MONDAY, FEBRUARY 25, 2008** in the **6TH FLOOR OF THE PUBLIC WORKS BUILDING, TDOT CONFERENCE ROOM, 201 N. STONE AVE.**, Tucson, Arizona.

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AGENDA

1. Call to Order / Roll Call / Call to the Audience
  2. Call to Public
  3. Highland/6<sup>th</sup> Street Bike Box Presentation and Discussion
  4. Downtown Projects Discussion
  5. Bike Fest update
  6. Topics for next meeting
  7. Adjournment
- 

***Note: This is a special meeting date for the Downtown Subcommittee. It is normally scheduled on the third Monday of the month.***

## Ten conservation groups form coalition to save the Santa Ritas

By **Tim Ellis**

ARIZONA DAILY STAR

The Santa Rita Mountains provide a paradise for hikers, bicyclists and bird-watchers — and a home for wildlife that is being squeezed on all sides by a growing human population.

But the Santa Ritas and surrounding areas are under threat, mainly by mining and development, according to a new coalition of 10 local conservation groups trying to sound the alarm and save the mountains.

The diverse groups that have formed the Santa Rita Mountains Conservation Coalition will share their concerns in a public forum to be held Saturday in Green Valley.

"We're all interested in the same thing: trying to preserve the beauty and ecology of the mountains and the (Santa Cruz) valley," said Thomas Purdon, a member of Friends of Madera Canyon.

Members of Save the Scenic Santa Ritas will outline their case against a proposed mile-wide, open-pit copper mine that mainly would affect the other side of the mountains.

The Rosemont Mine not only would devastate the scenery and ecology of the eastern slopes of the Santa Ritas, but it also could hurt water quality and quantity on both sides of the mountains, said Gayle Hartmann, the group's president.

"We're coming together as a sort of umbrella organization to have a forum, to show people what's happening all around the mountains," she said.

A third group involved in organizing the forum, the Green Valley-based Committee to Save the West Desert Preserve, will make the case for preserving a 2,000-acre swath of land west of Green Valley.

"There are quite a few different groups in the region interested in conservation, and the thought was that we should get together and support each other, because there's a lot of overlap in our interests," said Bill Adamson, committee president.

Mountain bikers to attend

Martha Lemen, president of the Sonoran Desert Mountain Bicyclists, said her group will be at the forum to emphasize the mountain bikers' perspective.

"Outdoor spaces should be important for all of us," Lemen said. "We're interested in working with other user groups to highlight the responsible use of places like the Santa Ritas."

Paul Green, executive director of the Tucson Audubon Society, said his group's role in the forum will be to outline small- and large-scale impacts of developments in the area to accommodate a growing population.

The smaller-scale concerns involve two proposed high-density developments south of Green Valley: the 2,600-home Las Mesas, near Tubac, and the 6,800-home Sopori Ranch, near Amado.

The developments, which the Santa Cruz County Board of Supervisors approved in December, are contrary to the principles of smart growth that state and Pima County officials have been trying to establish, Green said. The developments violate the principles that promote regional planning and discourage developing rural areas far away from workplaces, Green said.

"Most of the people in those developments will have to travel by car to go to work, adding extra traffic to I-19 and more carbon to our atmosphere," he said.

The bigger concern is over the impact of these and other developments on wildlife habitat, especially critical habitat linkages — large, contiguous areas where animals live and roam.

Such developments fragment habitat, which is one of the biggest concerns over another development — Cielo Madera Estates, a 180-home subdivision that has been proposed for an area at the foot of Madera Canyon.

Watershed concerns

Purdon said he will outline those concerns at the forum, and others — including effects on water resources and night-sky brightness — that he said would be caused by the development.

Likewise, he said, the Rosemont Mine would negatively affect an area beyond the eastern slopes of the Santa Rita, where a Canadian-based company wants to develop the mile-wide open-pit mine.

Purdon echoes concerns expressed by county officials that the mine could diminish, and possibly contaminate, the Cienega watershed, which feeds Cienega Creek, a source of water for Tucson.

A more immediate concern is the mine's potential impact on water on the west side of the Santa Ritas, in the Santa Cruz basin, he said. Hundreds of Sahuarita Heights residents have expressed alarm over several wells being drilled in their area east of Sahuarita by Augusta Resource Corp. and its Phoenix-based subsidiary, Rosemont Copper Co.

If the federal government gives the go-ahead for the mine, the companies intend to pump at least 100,000 acre-feet of water over 20 years from that area just east of Sahuarita and send it by pipeline to the mine on the other side of the Santa Rita Mountains.

Mining company officials say they will replace the groundwater with Central Arizona Project canal water, even though they are not legally required to do so. But the company has not provided details on the so-called recharge facilities, and it only recently began a detailed hydrological study of the mine wells' impact.

A guide to the Santa Rita Conservation Coalition

Major forum issues

- Cielo Madera Estates, a 180-home subdivision proposed for an area at the foot of Madera Canyon, west of Green Valley. Concerns: The development could fragment wildlife habitat; overburden roads, other infrastructure and emergency services;

A guide to the Santa Rita Conservation Coalition

Major forum issues

- Cielo Madera Estates, a 180-home subdivision proposed for an area at the foot of Madera Canyon, west of Green Valley. Concerns: The development could fragment wildlife habitat; overburden roads, other infrastructure and emergency services; create light pollution, interfering with operations at Whipple Observatory atop Mount Hopkins; and affect groundwater quality and quantity.

- The Rosemont Mine, an open-pit copper mine on the eastern slopes of Santa Ritas, south of Corona de Tucson. Concerns: The operation could destroy and disrupt wildlife habitat; harm scenic views; congest Arizona 83 with a large increase of heavy truck traffic; and affect groundwater quality and quantity.

- West Desert Preserve, a 2,000-acre swath of land west of Green Valley. Concerns: Backers of an effort to create the preserve say it's one of the few undeveloped patches of desert that is home to more than 100 Pima pineapple cacti, an endangered species. It's also a popular hiking area that's readily accessible to Green Valley residents.

Coalition members

Members of the Santa Rita Mountains Conservation Coalition, an ad-hoc group formed to call attention to threats to the Santa Ritas, include:

- Friends and Defenders of Madera Canyon; for more information, go online to [www.friendsofmaderacanyon.org](http://www.friendsofmaderacanyon.org) or write to P.O. Box 1203, Green Valley, AZ 85622-1203.

- Save the Scenic Santa Ritas: [www.scenicantaritas.org](http://www.scenicantaritas.org), 495-4339.

- Save the West Desert Preserve: [savethewestdesertpreserve.org](http://savethewestdesertpreserve.org), 648-7352.

- Tucson Audubon Society: [www.tucsonaudubon.org](http://www.tucsonaudubon.org), 622-5622.

- Sky Island Alliance: [www.skyislandalliance.org](http://www.skyislandalliance.org), 624-7080.

- Committee for Responsible Growth: P.O. Box 4761, Tubac, AZ 85646, 237-9794.

- Friends of Tumacacori Highlands: [www.tumacacoriwild.org](http://www.tumacacoriwild.org), 624-7080.

- Cactus Huggers:

create light pollution, interfering with operations at Whipple Observatory atop Mount Hopkins; and affect groundwater quality and quantity.

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- Save the West Desert Preserve: [savethewestdesertpreserve.org](http://savethewestdesertpreserve.org), 648-7352.
- Tucson Audubon Society: [www.tucsonaudubon.org](http://www.tucsonaudubon.org), 622-5622.
- Sky Island Alliance: [www.skyislandalliance.org](http://www.skyislandalliance.org), 624-7080.
- Committee for Responsible Growth: P.O. Box 4761, Tubac, AZ 85646, 237-9794.
- Friends of Tumacacori Highlands: [www.tumacacoriwild.org](http://www.tumacacoriwild.org), 624-7080.
- Cactus Huggers: [www.cactushuggers.com](http://www.cactushuggers.com), 207-8452.
- Sonoran Desert Mountain Bicyclists: [www.sdm.org](http://www.sdm.org), 290-0002.
- Borderlands Jaguar Detection Project: [www.swjag.org](http://www.swjag.org), 883-4029.

#### Saturday forum on threats to the Santa Rita Mountains

The Santa Rita Mountains Conservation Coalition's public forum will begin at 10 a.m. Saturday at the Green Valley Community Church, 300 W. Esperanza Blvd.

The church is at the corner of Esperanza and La Cañada Drive, about a half-mile west of Interstate 19 off Exit 65.

Members of three groups — Defenders Committee of the Friends of Madera Canyon, Save the Scenic Santa Ritas and the Committee to Save the West Desert Preserve — will speak and answer questions.

Members of at least seven other groups will provide information about their organizations and their concerns about the Santa Ritas.

Local officials and representatives from community groups also will attend.

For more information, call Thomas Purdon at 648-7080, e-mail [info@friendsofmadera.canyon.org](mailto:info@friendsofmadera.canyon.org), or go online to [www.friendsofmaderacanyon.org](http://www.friendsofmaderacanyon.org).

- *Contact reporter Tim Ellis at 807-8414 or [tellis@azstarnet.com](mailto:tellis@azstarnet.com).*

[www.cactushuggers.com](http://www.cactushuggers.com), 207-8452.

- Sonoran Desert Mountain Bicyclists: [www.sdm.org](http://www.sdm.org), 290-0002.

- Borderlands Jaguar Detection Project: [www.swjag.org](http://www.swjag.org), 883-4029.

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Local officials and representatives from community groups also will attend.

For more information, call Thomas Purdon at 648-7080, e-mail [info@friendsofmadera.canyon.org](mailto:info@friendsofmadera.canyon.org), or go online to [www.friendsofmaderacanyon.org](http://www.friendsofmaderacanyon.org).

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## Cities try to improve crosswalk safety

By Larry Copeland, USA TODAY

Cities alarmed by deaths and injuries of pedestrians are ramping up efforts to make crosswalks safer for people on foot, especially seniors and children who need more time to cross streets.

A pedestrian is killed in a traffic crash in the USA every 110 minutes; one is injured every nine minutes, according to federal data. Crosswalks can be especially perilous for the elderly. Among people 70 and older, 36% of pedestrian deaths in 2006 occurred at intersections, compared with 21% of those younger than 70, according to the Insurance Institute for Highway Safety.

The Federal Highway Administration will recommend next year that states increase by nearly 15% the amount of time traffic signals afford pedestrians to cross the street after the flashing orange hand appears.

FHWA spokesman Doug Hecox says reasons for the change include an aging population that needs more time to cross; health-conscious Americans walking more; children encouraged to walk to prevent obesity and high gas prices pushing people to walk instead of drive.

Pedestrian deaths declined 12% from 5,449 in 1996 to 4,784 in 2006, the National Highway Traffic Safety Administration (NHTSA) says. Those numbers are still too high for cities working to enhance safety:

- In Portland, Ore., where 49% of pedestrian injuries occur in crosswalks, police conduct monthly crackdowns similar to drunken-driving stings. Police identify an intersection where pedestrians have complained about motorists. They post signs warning drivers of "crosswalk enforcement ahead" and have pedestrian decoys try to cross the street. "If the drivers don't stop, a line of police on motorcycles will pull them over," says April Bertelsen, the city's pedestrian coordinator. Portland also has an "I Brake for People" campaign to educate drivers.
- St. Petersburg, Fla., partly attributes major reductions in pedestrian accidents to rapid-flashing signals that have raised the rate at which drivers yield to people in crosswalks to above 80% from about 8% at 18 marked intersections. The devices, which flash in an irregular pattern to alert drivers to pedestrians, will be field-tested next in Cambridge, Mass., Las Cruces, N.M., and Mundelein, Ill.
- Washington, where two women crossing Pennsylvania Avenue on a green light were killed last year by a city bus in a crosswalk, plans to add innovative signals developed by the city of Tucson at about 30 locations, says George Branyan, the city's pedestrian program coordinator.
- Phoenix is replacing 1,000 traditional traffic lights with countdown-timer signals that tell people how many seconds they have to cross. The signals could cut pedestrian accidents by up to 25%, traffic engineering supervisor Michael Cynecki says. "The countdown is so self-explanatory even a third-grader can understand it," he says.
- Denver, Knoxville, Tenn., and several other cities, have implemented a method in which all traffic at an intersection is stopped for about 30 seconds and pedestrians can cross in any direction.

### Many factors at work

In 2006, 471 pedestrians nationwide were killed in crosswalks, down slightly from 488 10 years earlier, according to the NHTSA. Several factors contribute to danger at crosswalks:

- Highways are designed and built primarily to accommodate vehicles, not pedestrians.
- Most pedestrian accidents at intersections involve turning vehicles. Drivers who routinely fail to yield to pedestrians in crosswalks run little risk of being cited unless they actually strike a pedestrian.
- About one-third of pedestrian deaths result from their disobeying traffic signals or using poor judgment, according to federal data.

Richard Nassi, Tucson's transportation administrator, remembers a wreck in 1998 vividly: Some young children were crossing Valencia Street with their older sister when they were struck by a vehicle. Two children were killed, three others were seriously injured, and the driver sped off.

"That was just heartbreaking," says Nassi, 63, who had spent 20 years in the city's Traffic Engineering Division. "Anytime someone is killed it's bad, but when they just drive away and leave the kids in the road, it's just outrageous."

### Breakthrough in Tucson

The city didn't allow the tragedy to fade without meaning. Nassi and the city set out to improve pedestrian safety by making engineering improvements and educating young pedestrians. Arizona consistently ranks among the worst states for pedestrian fatalities, and Tucson had a pedestrian fatality rate of 3.26 per 100,000 people.

That rate since has fallen to 2.54. A pedestrian traffic signal developed by Nassi helped increase the percentage of drivers who yield to pedestrians at intersections to 97% from 31%.

Next year, that device, which Tucson dubbed the HAWK (High-Intensity Activated crossWalk), will be included in the Federal Highway Administration's Manual on Uniform Traffic Control Devices, which provides standards to the states.

"It's exciting for us, and it's also exciting that we can do something to help make it better for people in other places," Nassi says.

The HAWK, which Tucson adapted from a signal used at railroad and firetruck crossings in England, is used at marked crosswalks where there is no traffic light. It's a beacon signal featuring a yellow-red lens visible to drivers.

When a pedestrian wishes to cross, he pushes a button to activate the signal. A flashing yellow is followed by a solid yellow advising drivers to prepare to stop. The signal changes to a solid red for drivers, and the pedestrian gets a walk signal. The signal then converts to a flashing red, indicating that drivers may proceed when it's safe to do so after stopping.

"That is a major breakthrough," says Branyan of Washington. "Many crosswalks are multilane roads. It's extremely difficult to cross because of the number of lanes and number of

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cars. We've found that you need to do much more than just put some paint down, because the paint isn't enough to get drivers' attention."

Not all of the efforts to protect pedestrians are high-tech. Many cities have improved safety by placing simple pylon signs at crosswalks. The signs warn drivers that state law requires them to stop.


Seattle is considering adding buckets of bright orange flags for pedestrians to wave while in a crosswalk. They return the flag to another bin when safely across. Washington and cities in Maryland, Virginia and Utah use similar flags.

Tucson is still out there on the cutting edge. The city is working on a traffic signal that uses sensing equipment in the crosswalk. If an elderly or handicapped person needs more time to get across and is still in the crosswalk, the signal lengthens the walk time, Nassi says.

"So far, it looks very promising," he says.

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