



Phoenix Pedestrian Safety

Street Transportation Department
Traffic Safety Section



City Council Action

The City of Phoenix is committed to improving pedestrian safety for all residents and visitors through continued application of sound engineering, educational and enforcement techniques.

The City of Phoenix is committed to an overall 10% reduction in pedestrian crashes, injuries and deaths by the end of calendar year 2016.

The City of Phoenix Police and Street Transportation Departments are responsible for achieving the overall goal. In doing so, these two departments have the committed resources of the rest of the City government.



Pedestrian Safety Action Plan

- Commitment to Pedestrian Safety
 - Engineering
 - Educational
 - Enforcement
- Overall Pedestrian Safety Goal
 - 10% reduction in pedestrian crashes, injuries and deaths by the end of calendar year 2016.
- Responsibility
 - The City of Phoenix Police
 - Street Transportation Department



Phoenix Pedestrian Safety Action Plan

*****DRAFT*****

Phoenix Pedestrian Safety Action Plan

I. Introduction

A. City of Phoenix Commitment to Pedestrian Safety

The City of Phoenix is committed to improving pedestrian safety for all residents and visitors through continued application of sound engineering, educational and enforcement techniques.

B. Overall Pedestrian Safety Goal

The City of Phoenix is committed to an overall 10% reduction in pedestrian crashes, injuries and deaths by the end of calendar year 2016.

C. Responsibility

The City of Phoenix Police and Street Transportation Departments are responsible for achieving the overall goal. In doing so, these two departments have the committed resources of the rest of the City government.

II. Specific Goals and Objectives

A. Definitions

1. **Pedestrian Crash** – any motor vehicle crash on a City of Phoenix public street where the primary harmful event was listed as impact with a pedestrian. Crashes where a pedestrian was hit secondary to another collision or other harmful event are not considered pedestrian crashes.
2. **Injury** – any person receiving possible, non-incapacitating or incapacitating injury severity codes as determined by the investigating officer or as indicated on the Arizona Traffic Accident Report form for a particular crash.
3. **Population** – City of Phoenix population estimate as of June of the year of interest as determined by the City of Phoenix Planning Department

*****DRAFT*****



Commitment to Pedestrian Safety

- Engineering Design Improvements
 - Pedestrian Over/Underpasses
 - 2-Stage Crosswalks with Pedestrian Crossing Islands
 - Countdown Pedestrian Signals
 - Wheelchair Ramps and Sidewalks
- Pedestrian Safety Advisory Committee (PSAC)



Commitment to Pedestrian Safety





Commitment to Pedestrian Safety

- Educational
 - School Safety Section
 - School Safety Taskforce
 - Safe Routes to School
 - International Walk to School Day
 - Community Outreach
 - Community Center Safety Fairs
 - Safe Walking Routes
 - Pedestrian Safety Brochures



Commitment to Pedestrian Safety

Sharing Our Streets
Who has the Right-of-Way?



This Halloween, Let's Walk Safely!
Safety Tips for Kids

Always remember to **STOP, LOOK LEFT, RIGHT & LEFT AGAIN** before crossing any street!



What should the monster and his friend do before crossing the street?

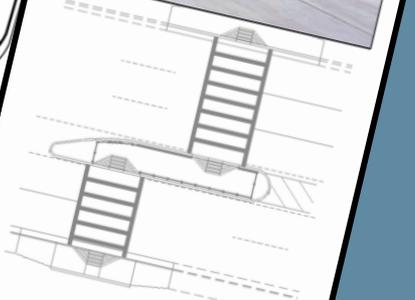
You are a PEDESTRIAN when you walk. This activity will help you to be a better pedestrian.

A Friendly Message

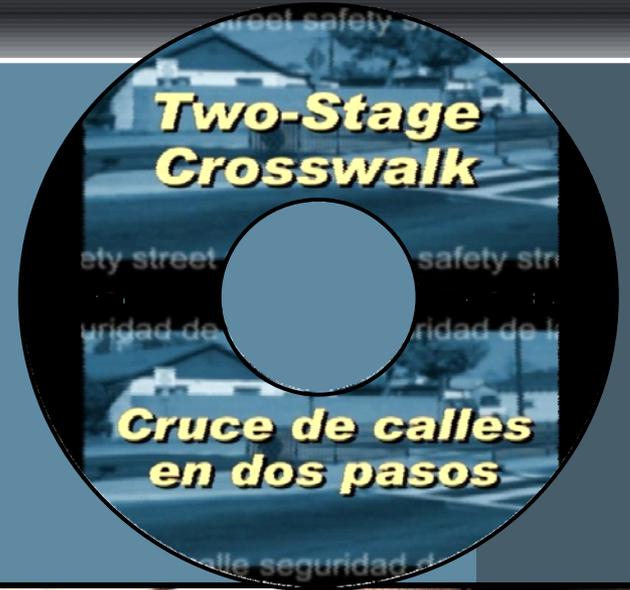


City of Phoenix

Let's Cross Streets Safely!



TWO-STAGE CROSSWALKS





Commitment to Pedestrian Safety

- Enforcement
 - Photo Speed Radar at Schools
 - Laws Specific to Pedestrians
 - Target Locations





Pedestrian Safety Goal

10% reduction of 5 yr. average
per 100,000 residents by 2016:

– Crashes

- From 44.5 to 39.2

– Injuries

- From 41.4 to 37.3

– Fatalities

- From 3.59 to 3.23



Responsibility

The City of Phoenix Police and Street Transportation Departments are responsible for achieving the goal.

We have the committed resources of the entire city government.



Pedestrian Safety Audits

PEDESTRIAN SAFETY AUDITS

As part of the ongoing efforts by Phoenix to promote and improve pedestrian

PURPOSE:

Pedestrian Safety Audits are conducted to periodically review areas of town with high pedestrian crash experience and determine if crash patterns exist, and if so, what if anything can be done to improve conditions. The Traffic Safety Section is responsible for identifying the audit locations and coordinating the audits.

Procedure

1. Periodically, the Traffic Safety Section will produce a list of the locations with a high number of pedestrian crashes over a given time period.
2. Once the list is complete, the Safety Section will obtain copies of all collision reports at each location and prepare a Pedestrian Safety Audit checklist and collision diagram for each location. The collision reports, checklist and diagrams will be verified by the Safety Section Lead before distribution to the Investigations Section Lead.
3. A Work Order will be issued for each audit location and the police reports/collision diagram will be provided to each appropriate traffic investigator by the Principal or appropriate Chief Engineering Technicians.
4. The area investigator will review each collision report and conduct a safety audit of the location checking for infrastructure repair or improvements to the location that might improve pedestrian service, accessibility, or safety. If a nighttime collision pattern exists, a nighttime check may be authorized to evaluate lighting and other nighttime conditions.
5. Once complete, the investigator will complete the Pedestrian Safety Audit checklist for each location and return the checklist and all other documents to an Investigative Lead for work order close out.
6. All documents will then be forwarded to the Safety Section Lead.
7. The Traffic Engineering Supervisor, the Safety Section Lead and the area investigator will jointly review the crash reports and documentation and close out the audit. Additional traffic counts or other studies may be requested, which will be conducted under a separate Work Order.
8. The closed work order, collision reports, diagrams and checklist will then be placed in archive in the Traffic Safety Section. The electronic Work Order will be retained in the SPARKS II work order tracking system.



Pedestrian Safety Audits

Rankings

Location	Signal	2003	2004	2005	Total	Trend Analysis - Excluded				Comments
						Severity P / I / F	Int / Mid	Day / Night	N / S / E / W	
16TH ST & SOUTHERN AV	Signal	1	1	3	5	0 / 4 / 1	4 / 1	3 / 2	3 / 0 / 1 / 1	Complete
16TH ST & CAMELBACK RD	Signal	3	1	3	7	0 / 7 / 0	3 / 4	3 / 4	1 / 2 / 2 / 2	Complete
19TH AV & GLENDALE AV	Signal	3	1	2	6	0 / 5 / 1	3 / 3	2 / 4	2 / 1 / 1 / 2	Complete
27TH AV & GLENDALE AV	Signal	1	0	5	6	0 / 6 / 0	4 / 2	4 / 2	1 / 3 / 1 / 1	Complete
16TH ST & SOUTHERN AV	Signal	1	1	3	5	0 / 4 / 1	4 / 1	3 / 2	3 / 0 / 1 / 1	Complete
17TH DR & GLENDALE AV	Signal	1	2	2	5	1 / 2 / 2	2 / 3	2 / 3	0 / 0 / 0 / 4	Complete
24TH ST & VAN BUREN ST	Signal	0	3	2	5	0 / 5 / 0	4 / 1	2 / 3	1 / 2 / 1 / 1	Complete
16TH ST & BROADWAY RD	Signal	0	1	3	4	0 / 3 / 1	3 / 1	2 / 2	1 / 0 / 1 / 2	Complete
19TH AV & DUNLAP AV	Signal	0	2	2	4	0 / 3 / 1	2 / 2	2 / 2	1 / 3 / 0 / 0	Complete
30TH ST & INDIAN SCHOOL RD	No Signal	1	1	2	4	0 / 4 / 0	1 / 3	2 / 2	0 / 0 / 0 / 4	Complete
51ST AV & INDIAN SCHOOL RD	Signal	2	0	2	4	1 / 2 / 1	1 / 3	4 / 0	0 / 4 / 0 / 0	Complete
51ST AV & THOMAS RD	Signal	0	3	1	4	0 / 3 / 1	2 / 2	0 / 4	1 / 2 / 0 / 1	Complete



Pedes

Checklist

2006 PEDESTRIAN SAFETY AUDIT

LOCATION: _____

Audit Timeframe: _____ Total Collisions: _____ Day/Night: _____

Date of Notification: _____ Investigator: _____

INTERSECTION GEOMETRICS:

E/W Street	East	Thru Lns	Speed Limit	West	Thru Lns
N/S Street	North			South	

Signal Present (Y/N): _____

COLLISION HISTORY:

CHECKLIST

Audits Required (Day/Night): **DAY** Date & Time Day Visit: _____
NIGHT Date & Time Night Visit: _____

** Please fill out one checklist per location **

Include work order numbers for any repair or follow up work and return completed checklist with crash reports and copies of any completed work orders to supervisor

General

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wheelchair ramps	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Medians	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sidewalks (Check for damage such as large cracks, buckling, etc.)	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crosswalk pavement (Check for damage such as large cracks, potholes, etc.)	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Street lights (Check for presence on both sides of street and operation at night (if applicable))	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Visibility (Check for overgrown vegetation, etc.)	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crosswalk (Standard or Ladder) striping (Check for cracks, fading, etc.)	_____

Signalized Intersections

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pedestrian signal head (Check for condition, word vs symbol, etc.)	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pedestrian signal pushbutton (Check function, presence of sign and sign matches signal)	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Left turn arrows (if present, specify which approaches)	_____

Non-signalized Intersections

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pedestrian X-ing stencils	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pedestrian warning signs for motorists	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Warning signs for pedestrians	_____

Other Features (Specify)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other Features (Specify)	_____
--------------------------	--------------------------	--------------------------	--------------------------	-------

Pedestrian attractors (Specify type, name & location): _____

Investigator _____ Date: _____
 Section Lead (Principal or Chief) _____ Date: _____
 Division Manager (or Engineer) _____ Date: _____

Notes: 1. Night crashes also include any occurring during dawn or dusk.
 2. Crashes added by investigating officer as being intersection related.

2006 PEDESTRIAN SAFETY AUDIT

LOCATION: **SOUTHERN & 16TH STREET - DAY AUDIT REQUIRED**

Audit Timeframe: **2003-2005** Total Collisions: **5** Day/Night: **3/2** Intersection: **4**

Date of Notification: **5/16/2006** Investigator: _____ Area: **3**

INTERSECTION GEOMETRICS:

E/W Street	East	Lanes	Speed Limit	West	Lanes	Speed Limit
N/S Street	North			South		

Signal Present (Y/N): **YES** School Zone (Y/N): **NO**

COLLISION HISTORY:

Primarily intersection crashes with peds in crosswalks. Three crashes involving minors. One hit and run crash and one alcohol related crash. No obvious crash patterns.

CHECKLIST

Audits Required (Day/Night): **DAY** Date & Time Day Visit: **5/16/2006**

** Please fill out one checklist per location **

Include work order numbers for any repair or follow up work and return completed checklist with crash reports and copies of any completed work orders to supervisor

General

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wheelchair ramps	<i>new - 1 to a corner.</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Medians	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sidewalks (Check for damage such as large cracks, buckling, etc.)	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crosswalk pavement (Check for damage such as large cracks, potholes, etc.)	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Street lights (Check for presence on both sides of street and operation at night (if applicable))	<i>one per signal pole @ each corner - Extra lights on the SBC & NBC</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Visibility (Check for overgrown vegetation, etc.)	<i>no problems.</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crosswalk (Standard or Ladder) striping (Check for cracks, fading, etc.)	<i>marked standard - well</i>

Signalized Intersections

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pedestrian signal head (Check for condition, word vs symbol, etc.)	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pedestrian signal pushbutton (Check function, presence of sign and sign matches signal)	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Left turn arrows (if present, specify which approaches)	<i>All, RTN, S to E, W to S N to W, 3 vehicle triggers</i>

Non-signalized Intersections

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pedestrian X-ing stencils	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pedestrian warning signs for motorists	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Warning signs for pedestrians	_____

Other Features (Specify)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other Features (Specify)	_____
--------------------------	--------------------------	--------------------------	--------------------------	-------

Pedestrian attractors (Specify type, name & location): **2 Bus Shelters @ 200 ft. +/- for S/B 16th @ 200 ft. +/- N/O South for 16th St. @ Bus Stop # 2 - @ E/B Southern 100 ft +/- w/o 16th St, @ W/B Southern 100 ft +/- E/O 16th St**

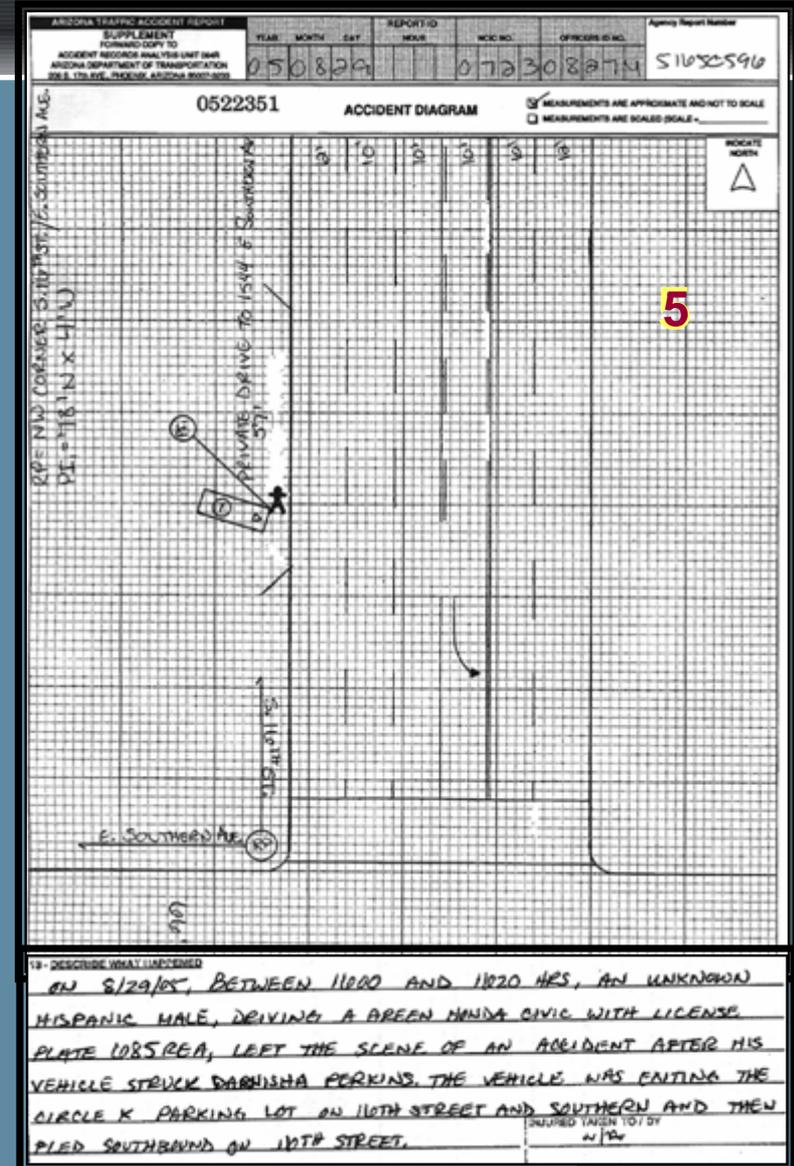
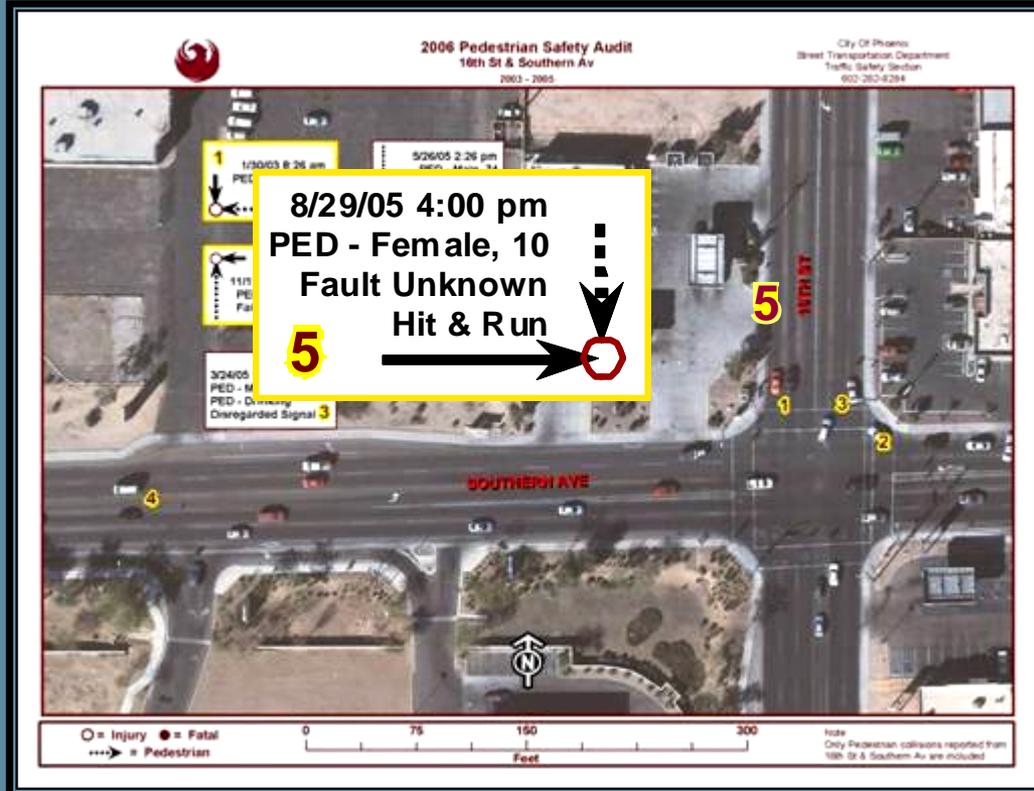
Investigator *Venice Muff* Date: **5/16/2006**
 Section Lead (Principal or Chief) *Steve Lee* Date: **6/2/06**
 Division Manager (or Engineer) _____ Date: _____

Notes: 1. Night crashes also include any occurring during dawn or dusk.
 2. Crashes within 100' of the intersection.



Pedestrian Safety Audits

Crash Diagrams





Additional Details

Kerry Wilcoxon P.E.

Kerry.Wilcoxon@phoenix.gov

602-262-4613

Mike Cynecki P.E.

Mike.Cynecki@phoenix.gov

602-262-7217

Jacob Martinez

Jacob.Martinez@phoenix.gov

602-256-3319



Questions?

Pedestrian Safety Action Plan



Pedestrian Safety Audits