



PUBLIC MEETINGS



ELOY PUBLIC MEETING

January 6, 2016

Sun Corridor MPO Strategic Transportation Safety Plan

Public Involvement meeting

January 6, 2016, 4:30-6:30p

Eloy, Arizona

Minutes

Eleven people attended the meeting:

Charles Stretton	Eloy Police Department
C. Singleton	Eloy Police Department
Cindy Garcia	Tohono O'odham Nation
Gerald Fayuant	Tohono O'odham Nation
Steve Tipton	Tohono O'odham Nation
Mark Benner	Eloy Chamber of Commerce
David Yankus	Eloy Enterprise
Kathy Borquez	Pinal County
Jon Vlaming	City of Eloy
Lance Dunagan	City of Eloy
Irene Higgs	Sun Corridor MPO

Consultant team:

Mike Blankenship	Amec Foster Wheeler
Brian Fellows	Amec Foster Wheeler
Dale Miller	Rick Engineering
Alice Templeton	Gordley Group
Sarah Simpson	United Civil Group

Mike Blankenship opened the meeting and asked the attendees to introduce themselves. Mike and Irene Higgs, of SCMPO, then explained the goals of the Strategic Transportation Safety Plan, which is to reduce the number of fatal and serious injury crashes in the Sun Corridor area.

Mike then presented information derived from the ADOT crash database pertinent to the SCMPO region. In the ten-year period analyzed (2005-2014) there were 16,525 total crashes, 243 fatal crashes, and 5,180 injury crashes.

He articulated the Safety Plan Vision as formulated by the stakeholders: "Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures." After explaining the 4 E's of transportation Safety (Engineering, Enforcement, Education, and Emergency services), Mike articulated a variety of regional crash data, including most frequent crash types, most frequent fatal crash types, and fatal crashes comparing the SCMPO region to state statistics.

The group then viewed a safety video entitled *Zero Fatalities*, a ‘man-on-the-street style’ short film that asks various members of the public their opinions about traffic safety and fatalities. The interviewer first asks respondents “How many traffic deaths do you think happen in the U.S. every year?” The next question was “Will we ever decrease this number to zero?” Finally, the interviewer asks “What number is acceptable for my family?” The unanimous response was “zero.”

The group’s next discussion was in response to Mike’s question “Will we ever see zero traffic deaths?” The group’s opinion was mixed. The topic of driver-less vehicles was discussed as a possible means to reduce or eliminate traffic fatalities.

Gerald Fayuant, representing the Tohono O’odham Nation, explained that there is a significant amount of nighttime walking in the tribal community. He related a recent crash that had occurred on Chuichu Road. Two conditions create challenges for roadway users: extreme darkness (and no roadway lighting) and drop-offs from pavement edges. He wondered if refreshing edge line striping is a possible solution.

Mike related that in another project he is advising transportation agencies on the appropriate roadway segments to install rumble strips in order to avoid nighttime/ visibility and run-off-road crashes.

Mr. Fayuant inquired if the crash data identified any tribal members who were injured or killed. He mentioned that Nation staff and tribal members have ways of finding out, but it isn’t a formal process, and not committed to their crash records. Mike explained that the ADOT crash report form does not capture this information. Mr. Fayuant pledged that Nation staff is committed to working with the consultant team and SCMPO in order to make our roadways as safe as possible for all users.

A new feature that Amec Foster Wheeler incorporated into the public meetings for this project is called the ‘graffiti wall.’ Facilitated by Gordley Group, participants were asked to indicate their local transportation safety concerns, using colored chalk on a simulated black wall. Under the overall heading of “Safety Is All Our Responsibility,” three prompts first were written on the wall: “What can I do to improve traffic safety?,” “Why do accidents happen?,” and “How many traffic deaths are acceptable?” Participants offered the following responses:

“What can I do to improve traffic safety?”

Shut my phone off and drive
Drive alert

Obey traffic laws
Drive the speed limit

Don’t tailgate
Wear seatbelts

“Why do accidents happen?”

Recklessness People don’t take driving seriously
Drop-offs on sides of road at night

Speed

The third prompt was given: “How many traffic deaths are acceptable?” After viewing the *Zero Fatalities* video, the unanimous answer from the group was “0.”

Charles Stretton of the Eloy Police Department thanked the group and invited them to bring to the Department any questions or concerns they have. The participants then adjourned to examine and discuss the display boards.

Prior to the meeting all participants received a written survey in which they were asked to select among a variety of options to answer the following question, “I have a transportation safety concern . . .” As well, they were asked to assign a numerical rating to their feeling of safety in their respective communities. The latter is based on a 0-10 scale where 0 is not safe and 10 is very safe. Initial transportation survey responses received (3) indicate the following:

<u>Respondent Locality</u>	<u>Safety issues</u>	<u>Community safety rating</u>
Casa Grande	<u>While I’m driving a car:</u>	8
	“At night”	
	“On 2-lane roads”	
	“With people driving distracted”	
	<u>While I’m walking:</u>	10
	N/A	
Eloy	<u>While I’m biking:</u>	N/A
	N/A	
	While I’m driving a car:	8
	“With people driving distracted”	
	“With drivers speeding”	
	While I’m walking:	7
Tohono O’odham Nation	N/A	
	While I’m biking:	N/A
	N/A	
	While I’m driving a car:	3
	“With people driving distracted”	
	“With drivers speeding”	
	While I’m walking:	2
	N/A	
	While I’m biking:	N/A
	N/A	
	While I’m driving a car:	
	“With people driving distracted”	

WANTED

THE TRAVELING PUBLIC

JANUARY 6, 2016 4:30 TO 6:30 P.M.

ELOY SANTA CRUZ PUBLIC LIBRARY

1000 N. MAIN ST., ELOY, ARIZ.

The Sun Corridor Metropolitan Planning Organization (MPO) is developing the first Strategic Transportation Safety Plan for the Sun Corridor MPO region. Public involvement is very important for this process. We want you to be part of the planning and implementation of the Safety Plan to reduce fatal and serious injury crashes on our roads.

Your input and participation will be greatly appreciated.

Please plan on attending

If you have any questions, please contact:

Michael Blankenship, *Project Manager*
michael.blankenship@amecfw.com, 602-733-6054

Irene Higgs, *Sun Corridor MPO Planner*
ihiggs@scmpo.org, 520-705-5143



scmpo.org

For questions or accommodation, materials in accessible formats, foreign language interpreters and/or materials in a language other than English, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. Accommodation should be requested at least five days in advance.

DEAD OR ALIVE!

Sun Corridor Metropolitan Planning Organization Transportation Safety Plan

The Sun Corridor Metropolitan Planning Organization (MPO), the regional transportation planning body serving the cities of Casa Grande, Coolidge, Eloy and portions of Pinal County, will hold public meetings in January to gather input on how to reduce traffic crashes in the Sun Corridor MPO region.

The public is invited to the meetings to provide input on priority transportation safety issues and locations and to learn more about traffic crash patterns in the Sun Corridor region. The meetings will be in an open house format and include a brief presentation.

The meetings, each with the same content, will be held in Eloy, Coolidge and Casa Grande as follows:

Wednesday, January 6, 2016

City of Eloy
Eloy City Council Chambers
628 N. Main Street, Eloy, Arizona
Eloy, Arizona
4:30 p.m. to 6:30 p.m.

Tuesday, January 19, 2016

City of Casa Grande
Casa Grande Council Chambers
510 E. Florence Blvd., Casa Grande, Arizona
4:30 p.m. to 6:30 p.m.

Monday, January 25, 2016

City of Coolidge
Coolidge Council Chambers
911 S. Arizona Ave., Coolidge, Arizona
4:00 p.m. to 6:00 p.m.

The Sun Corridor MPO provides transportation planning services for an area that covers 1,115 square miles, with an estimated population of nearly 120,000.

For more information about the Sun Corridor MPO, visit the website at www.scmpo.org.

If you have questions, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. For public meeting accommodation, materials in accessible formats, foreign language interpreters, and/or materials in a language other than English, please contact Irene Higgs at least five business days in advance of the meeting.

MEDIA CONTACT: Irene Higgs

ihiggs@scmpo.org

520-705-5143



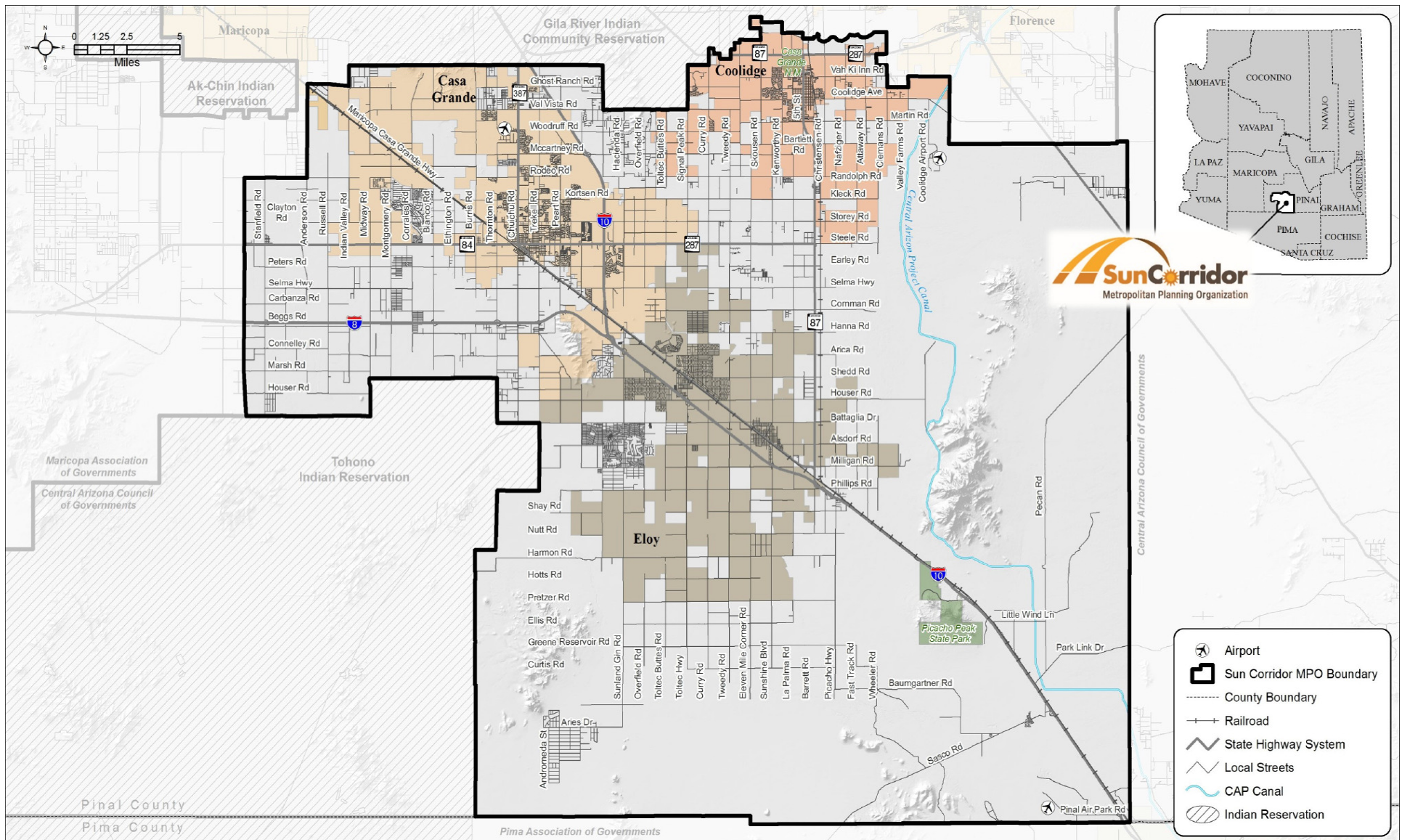
Sun Corridor MPO Strategic Transportation Safety Plan

**Eloy Public Meeting
January 6, 2016**

SUN CORRIDOR MPO BOUNDARIES



amec
foster
wheeler



Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 5,180 injury crashes



Safety Plan Vision

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan; ensure compatibility with federal requirements



Ultimate objective:

Reduce traffic crash fatalities and injuries

Man on the Street Video

Regional Crash Data Analysis

- Most frequent crash types:
 - 27% single vehicle
 - 26% rear end
 - 15% angle
 - 10% sideswipe same direction
 - 7% left turn

Regional Crash Data Analysis

- Most frequent fatal crash types:
 - 49% single vehicle
 - 12% pedestrian
 - 8% angle
 - 5% rear end

Regional Fatal Crash Comparison to State

- **Speeding and Aggressive Driving**

- SCMPO 40%, State 38%

- **Impaired Driving**

- SCMPO 38%, State 34%

- **Didn't Use Seat Belt**

- SCMPO 53%, State 49%

- **Motorcycles**

- SCMPO 8%, State 15%

- **Distracted Driving**

- SCMPO 16%, State 15%

Regional Fatal Crash Comparison to State

- **Driver Age < 25 years old**

- SCMPO 21%, State 30%

- **Driver Age > 64 years old**

- SCMPO 17%, State 15%

- **Pedestrians**

- SCMPO 11%, State 15%

- **Bicyclists**

- SCMPO <1%, State 2%

- **Weather-Related**

- SCMPO 5%, State 4%

- **Animal-Involved**

- SCMPO 0%, State <1%

Crash Severity by Agency Boundary

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Type by Agency Boundary

Agency	Angle	Head On	Left Turn	Other	Pedalcycle	Pedestrian	Rear End	Rear To Rear	Rear To Side	Sideswipe Opposite Direction	Sideswipe Same Direction	Single Vehicle	Unknown	Total
Casa Grande	1536	124	907	319	159	126	2765	37	296	157	843	1521	134	8924
Pinal County	265	37	86	247	13	20	769	5	43	42	466	1883	15	3891
Coolidge	371	33	148	83	21	28	403	10	113	47	159	413	17	1846
Eloy	200	22	46	91	9	21	321	5	55	22	189	579	12	1572
Arizona City	39	9	23	11	3	5	99	0	16	7	17	59	4	292
Total	2411	225	1210	751	205	200	4357	57	523	275	1674	4455	182	16525

City of Eloy Crashes

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	17	40	89	64	369	579
Rear End	0	8	34	48	231	321
Angle	3	5	28	36	128	200
Sideswipe Same Direction	2	3	22	12	150	189
Other	1	0	7	8	75	91
Rear To Side	0	0	1	0	54	55
Left Turn	0	4	4	7	31	46
Head On	3	2	1	3	13	22
Sideswipe Opposite Direction	0	2	2	3	15	22
Pedestrian	4	9	3	3	2	21
Unknown	0	0	0	0	12	12
Pedalcycle	0	3	2	3	1	9
Rear To Rear	0	0	0	1	4	5
Total	30	76	193	188	1085	1572

Contacts

Irene Higgs

Sun Corridor Metropolitan Planning Organization

520-705-5143

ihiggs@scmpo.org

Mike Blankenship, P.E.

Amec Foster Wheeler

(602) 733-6054

michael.blankenship@amecfw.com

Sun Corridor MPO Plan Estratégico de Seguridad del Transporte

Instrucciones: Con un círculo, marque cuáles son los elementos que mejor completan la siguiente frase, y marque todos los cuadros que se aplican a los elementos:

“Tengo un problema de transporte seguro. . .”

	<u>Mientras Manejo</u>	<u>Mientras Camino</u>	<u>En Bicicleta</u>
___ por la noche.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ durante el día.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ al amanecer / anocheecer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las carreteras.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ carreteras con 2 carriles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ carreteras con más de 2 carriles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en la vecindad.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con pasos de peatones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ cruzar caminando en las intersecciones . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Cruce entre intersecciones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las intersecciones con los letreros de alto.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las intersecciones con semáforo.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ cruzar caminando en las entradas de autos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ entrada/salida de los estacionamientos. . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en zonas escolares.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ dando vuelta a la izquierda.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en cruces de ferrocarril.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ viendo / leyendo letreros	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con personas manejando distraído.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con conductores de alta velocidad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Clasificación de Seguridad para el Transporte Local

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. ¿Qué tan seguro se siente usted cuando CONDUCE?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

2. ¿Qué tan seguro se siente usted cuando CAMINA?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

3. ¿Qué tan seguro se siente usted cuando anda en BICICLETA?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	<u>While I'm Driving a car</u>	<u>While I'm Walking</u>	<u>While I'm Bicycling</u>
___ At night	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On 2-lane roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With people driving distracted . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande Coolidge Eloy Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Please complete and submit your survey at the meeting. If you're not able to do so, send it to:
Michael.blankenship@amec.com

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	<u>While I'm Driving a car</u>	<u>While I'm Walking</u>	<u>While I'm Bicycling</u>
--	------------------------------------	------------------------------	--------------------------------

___ At night

☐
☐
☐

___ During the daytime

☐
☐
☐

___ At dawn/dusk

☐
☐
☐

___ On highways

☐
☐
☐

___ On 2-lane roads

☐
☐
☐

___ On roads with more than 2 lanes

☐
☐
☐

___ In my neighborhood

☐
☐
☐

___ With crosswalks

☐
☐
☐

___ Crossing (walking) at intersections

☐
☐
☐

___ Crossing between intersections

☐
☐
☐

___ At intersections with stop signs

☐
☐
☐

___ At intersections with signals

☐
☐
☐

___ Crossing (walking) at driveways . .

☐
☐
☐

___ Getting in/out of parking lots

☐
☐
☐

___ With school zones

☐
☐
☐

___ Making left turns

☐
☐
☐

___ At railroad crossings

☐
☐
☐

___ Seeing/reading street signs

☐
☐
☐

___ With people driving distracted . . .

☒
☐
☐

___ With drivers speeding

☒
☐
☐

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande Coolidge Eloy Pinal County *Tahona Oodham NATION*

1. How safe do you feel when you DRIVE?

Not safe Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I'm <u>Driving a car</u>	While I'm <u>Walking</u>	While I'm <u>Bicycling</u>
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<input checked="" type="checkbox"/> <u>At night</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>During the daytime</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>At dawn/dusk</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>On highways</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> <u>On 2-lane roads</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>On roads with more than 2 lanes</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>In my neighborhood</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>With crosswalks</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>Crossing (walking) at intersections</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>Crossing between intersections</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>At intersections with stop signs</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>At intersections with signals</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>Crossing (walking) at driveways</u> . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>Getting in/out of parking lots</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>With school zones</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>Making left turns</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>At railroad crossings</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>Seeing/reading street signs</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> <u>With people driving distracted</u> . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <u>With drivers speeding</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
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<input type="checkbox"/> At night	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Name	Agency	Phone	E-mail address
C. STRETTON	ELOY POLICE DEPT.	520 466 7324	CSTRETTON@ELOYAZ.GOV
Cindy Garcia	Tohono Oodham Nation	520-383-5546	Cynthia.garcia@tohononations.org
Gerald Fayvant	"	"	gerald.fayvant@tohononations.org
STEVE TIPTON	"	"	Steve.tipton@TOHONONATIONS.ORG
MARK BENNER	ELOY Chamber	466-3411	Mark.Benner@Eloychamber.org
David Yankus	Eloy Enterprise	466-2333	dyankus@eloyenterprise.com
Nathy Borquez	Pinal County	520-866-6906	Nathy.Borquez@pinalcountyaz.gov
JEN VARMING	CITY OF ELOY	520.466.5778	JENVARMING@ELOYAZ.GOV
C. Singleton	Eloy Police Dept	520-466-7324	Csingleton@eloyaz.gov
LANCER DUNNIGAN	CITY OF ELOY	526 252-1228	1Lancer.dunnigan@eloyaz.gov
Dale Miller	Rick Engr.	480 522 0330	dmiller@rickengr.com
Irene Higgs	SEMPO	520-708-5143	ihiggs@sempon.org
Sarah Simpson	ULGI	482 265 4668	Sarah@unitedulgi.com

What can I do
to improve traffic safety?

drive
alert

SHUT MY PHONE OFF
AND DRIVE!

OBEY TRAFFIC LAWS!

WHAT WILL I DO TO DRIVE SAFER?

#1 THING = turn off my phone · enforce
drive speed limit







AZ City part of traffic safety study

By DAVID YANKUS Staff Writer | Posted: Wednesday, January 13, 2016 1:00 am

ELOY — On average, there are between 750-800 deaths each year on Arizona roadways.

Driving has always been dangerous. Statistically, it's far more dangerous than flying. It's even more risky than skydiving. (In 2014 alone there were 3.2 million jumps out of planes and only 24 deaths in the entire United States.)

Nationally, approximately 34,000-35,000 people die every year in car crashes.

In Arizona, the death toll reached a high of about 1,300 in 2007. Those numbers declined by 2014, but initial data from the first six months of 2015 show that fatal crashes are increasing 8-10 percent once again, most likely due to falling gas prices. More people can afford to drive again, and so they're doing it for longer stretches and for greater distances.

And since driver error causes 95 percent of accidents; the more drivers, the more accidents. Add in distracted driving (cell phones being the main culprit), impaired driving (alcohol, drugs), inattentive driving and poor decision making, the roads are a scary place to be.

With the help of the public, officials from the Sun Corridor Metropolitan Planning Organization (SCMPO) and its consulting firm, Amec Foster Wheeler, are hoping to make roads safer – and less frightening.

Focusing on Casa Grande, Eloy, Arizona City, Coolidge and parts of Pinal County that make up the Sun Corridor, the SCMPO studied traffic data and all reported crashes from January 2005 to December 2014.

There were more than 16,000 crashes in that 10-year period, which averages out to 1,600 accidents per year and about 4-5 crashes per day. Out of those 16,000 accidents, 243 were fatal, resulting in 290 deaths. That's an average of 24 fatal crashes each year in the Sun Corridor region. About 5,000 of the crashes resulted in at least one person being injured.

“Just under one-third of the crashes in the region, somebody is hurt or dies,” said Mike Blankenship, Amec Foster Wheeler traffic safety engineer. “These aren't just numbers or statistics, these are



Traffic Safety

Amec Foster Wheeler traffic safety engineer Mike Blankenship, far left, meets with citizens and local officials at the Santa Cruz Library in Eloy to discuss plans to improve road safety and reduce crashes resulting in injuries and deaths.

people's lives that are impacted in these crashes.”

The overall goal of the SCMPO and its consulting firms is to reduce these fatal crashes and serious injury accidents. To do that, they must complete their research and submit their findings to the Federal Highway Administration (FHA). Blankenship estimates the initial data gathering and public input receiving should be finished by August or September. He said they are still waiting for traffic volume data to go with the crash statistics.

Next, the SCMPO team will do network screening, where researchers look at crash frequency, severity and rate. It will use that information to prioritize the most unsafe locations in the region.

If the SCMPO can identify the problem areas in the region and properly develop safety projects to alleviate those issues, it has a greater chance of receiving federal safety money from the FHA to help pay for these projects.

Arizona receives about \$36 million per year in federal safety money, Blankenship said, called highway safety improvement program funds. About 20 percent of that goes to MPOs, Sun Corridor receives a little less than \$500,000 per year, which is not a lot of money when it comes to safety improvements, Blankenship added.

“ADOT put together a state highway safety plan in 2014, and if our plan is not tied into the state plan it's going to be difficult to get some of those federal safety dollars,” Blankenship explained.

All this changes in 2019 though, as that 20 percent sub-allocation is eliminated. Every agency in the state will compete for that \$36 million pot then. This includes ADOT districts for state routes, tribes, cities, counties and other MPOs all competing on the same level.

This is why public input and developing the correct plan of action is so integral. SCMPO officials need to know locations that are unsafe, behaviors that are dangerous and other public concerns.

Citizens can fill out a survey if they cannot make a public meeting in the future, like the one that took place Wednesday at the Eloy Santa Cruz Library. SCMPO team members will be visiting Casa Grande and Coolidge shortly in the future.

Citizens may fill out the survey online at www.scmpo.org.

According to officials, education is key, and perhaps the most important of the four E's of transportation safety: Engineering, education, enforcement and emergency services.

“Safety is all our responsibility, it's up to every one of us to make driving, walking and biking on our roads safer,” Blankenship said. “We can plan and engineer the roads but we need input. If we each take a little more responsibility maybe we can drive these numbers down.”

Changing behaviors of drivers, pedestrians and bicyclists is also vital to keeping them safe.

But, unfortunately, bad behaviors and crash statistics don't affect people until they get a ticket or someone close to them dies, said Eloy Police Officer Charles Stretton, traffic division.

Stretton added that the crash data isn't 100 percent accurate either when it comes to cause of the accident because no one admits they were texting right before they struck another vehicle, for example. The long time police officer stressed the importance of paying attention while operating a motor vehicle, and most importantly, seat belts.

"Seat belts will save your life though, almost all the injuries and deaths [are those not wearing seat belts]," he said. "So I don't have to knock on someone's door at 3 a.m. and tell them their loved one is dead. That's the worst part of my job."

Stretton, along with Lance Dunagan, Eloy Public Works streets division, are part of a technical advisory committee to provide localized input for the SCMPO that is helping steer the development of the safety plan.

Of the 243 fatal crashes in the Sun Corridor region of Pinal County in the last 10 years, 49 percent are single vehicle accidents, most occurring on Interstate 10. Twelve percent of the fatal crashes were pedestrians beings struck and killed.

Forty percent of fatal crashes involve speed too fast for conditions, 35 percent of killed pedestrians involved alcohol or drug impairment, and slightly more than half of the victims that died were not wearing seat belts. Many would have still suffered some kind of injury, but most likely survived.

Thirty of the 243 fatal crashes occurred in the Eloy city limits, but again, most were on I-10.

Casa Grande had the most crashes, a little more than half of the 16,000 crashes in the 10-year study. Almost half of the fatal crashes happened outside the cities though, usually because of the rural roads, higher speeds and less light at night.

Coolidge averages only two fatal crashes per year, but had six in 2015.

Of the 16,000 crashes, 27 percent were single vehicle, 26 percent were rear end collisions, 15 percent are angle crashes (T-bone), 10 percent are sideswipe (vehicles traveling in the same direction), and seven percent of crashes are left turn accidents. Vehicles turning left hitting pedestrians is still a big problem. Too many drivers are only paying attention to oncoming traffic and not looking at the crosswalks and sidewalks.



CASA GRANDE PUBLIC MEETING

January 19, 2016

Sun Corridor MPO Strategic Transportation Safety Plan

Public Involvement meeting

January 19, 2016, 3:30-5:30p

Casa Grande, Arizona

Minutes

Twenty-one people attended the meeting:

Irene Higgs	Sun Corridor MPO
Lance Dunagan	City of Eloy
Josephine Creed	Achieve Human Services
Mary J. Lopez	Tohono O'odham Nation Legislature
Wayne Cashman	Pinal County Sheriff's Office
Phillip Mendoza	
Ivan Valasco	Achieve Human Services
David Zahniser	Resident
Wayne L. Howe	Resident
Stephen Miller	Pinal County
Jim Rhodes	Access Arizona
Dave Richins	Resolution Copper
Brice Nosky	Walton
Marsha Ashcroft	Horizon Health & Wellness
Kenneth Hunter	Resident
Kevin Reagan	Casa Grande Dispatch
Olivia Guerrero	Pinal-Gila Council
Scott Tracy	Casa Grande Police Department
Debra Shaw Rhodes	Debra Shaw Rhodes International
Jim Thompson	City of Casa Grande
David R. Maestas	City of Maricopa

Consultant team:

Mike Blankenship	Amec Foster Wheeler
Brian Fellows	Amec Foster Wheeler
Dale Miller	Rick Engineering
Alice Templeton	Gordley Group
Sarah Simpson	United Civil Group

Mike Blankenship opened the meeting and introduced the consultant team. Irene Higgs, of Sun Corridor Metropolitan Planning Organization (SCMPO), then described the purpose of SCMPO and explained the goals of the Strategic Transportation Safety Plan -- to reduce the number of fatal and serious injury crashes in the Sun Corridor area.

Mike explained the 4 E's of transportation Safety (Engineering, Enforcement, Education, and Emergency services), the importance of coordinating the SCMPO safety plan with the Arizona Strategic Highway Safety Plan, and the ultimate objective of the plan: to reduce traffic crash fatalities and injuries.

The group then viewed a safety video entitled *Zero Fatalities*, a 'man-on-the-street style' short film that asks various members of the public their opinions about traffic safety and fatalities. The interviewer first asks respondents "How many traffic deaths do you think happen in the U.S. every year?" The next question was "Will we ever decrease this number to zero?" Finally, the interviewer asks "What number is acceptable for my family?" The unanimous response was "zero."

Mike presented information derived from the ADOT crash database pertinent to the SCMPO region. In the ten-year period analyzed (2005-2014) there were 16,525 total crashes, 243 fatal crashes, and 5,180 injury crashes. In Casa Grande there were 68 fatalities and 213 incapacitating injuries.

He then articulated a variety of regional crash data, including most frequent crash types, most frequent fatal crash types, and fatal crashes comparing the SCMPO region to state statistics. An important point was that although pedestrians did not feature prominently in total crashes, they made up 12% of all *fatal* crashes.

In terms of the fatal crash comparisons to state statistics, Mike and the group discussed the following:

Speeding/aggressive driving	Impaired driving	Not using seat belts
Motorcycles	Distracted driving	Young drivers
Older drivers	Pedestrians	Bicyclists
Weather-related	Animal-involved	

Mike then led the group in a discussion about their most pressing issues. Two of the most cited issues was speeding and red light running. Several participants compared Arizona drivers and law enforcement to their home states. They stated that Arizona drivers are well-known in other states as lawbreakers with respect to the above two issues.

I-10 is a big area of concern for speeding. Relating to this is the need to complete the expansion of I-10 to three lanes from north of Casa Grande to Chandler. There is a prevalence of semi-trucks often travelling at high speeds, and sharing the two travel lanes, which causes safety issues. At least one participant felt strongly that, until the third travel lane is added, the speed limit should be lowered. Mike explained that the speed limit still would have to be enforced.

According to several participants, and related to this, there was mention of Seasonal residents and their driving habits. A variety of factors, including older Seasonal residents and unfamiliarity with local streets, is a concern. However, one of the participants, who also resides in Minnesota for six months each year, explained that other Minnesotans warned him ‘not to slow down at a yellow light’ in Arizona because he would get rear-ended. But he rhetorically asked how dangerous it is that Seasonal residents actually obey the speed limits and don’t run red lights?

Several participants voiced concern over local law enforcement efforts regarding all of the above. The feeling is that there is not enough. Interstate 10 is an area of most concern. Mike explained that law enforcement options/solutions are limited: 1) put more officers on the road (issuing more tickets), or 2) re/establish photo radar enforcement. One law enforcement participant shared that he doesn’t prefer issuing tickets, but would rather issue warnings (“education”).

Overall, distracted driving was a primary concern to a vast majority of participants, and other residents. One participant, and former law enforcement officer, shared an observation that could explain one of the reasons that drivers often don’t use their turn signals. Specifically, most drivers, if speaking on their cell phone, cradle the phone in their left hand, allowing to drive and operate other controls with their right hand. However, turn signals are located on the left side of the steering column, and are difficult to reach with their right hand.

The group then adjourned to the display of crash maps that were set up around the room. Part of the audience involvement was a new feature that Amec Foster Wheeler incorporated into the public meetings for this project is called the ‘graffiti wall.’ Facilitated by Gordley Group, participants were asked to indicate their local transportation safety concerns, using colored chalk on a simulated black wall. Under the overall heading of “Safety Is All Our Responsibility,” three prompts first were written on the wall: “What can I do to improve traffic safety?,” “Why do accidents happen?,” and “How many traffic deaths are acceptable?” Participants offered the following responses:

“What can I do to improve traffic safety?”

Keep off phones
Lower speed limits

Slow down

Be watchful

“Why do accidents happen?”

Distracted driving
Stress

Fatigue

Big trucks

“Other solutions:

More public transit
Issue more citations/fines for disregarding pedestrians (in crosswalks)

The third prompt was given: “How many traffic deaths are acceptable?” After viewing the *Zero Fatalities* video, the unanimous answer from the group was “0.”

Prior to the meeting all participants received a written survey in which they were asked to select among a variety of options to answer the following question, “I have a transportation safety concern . . .” As well, they were asked to assign a numerical rating to their feeling of safety in their respective communities. The latter is based on a 0-10 scale where 0 is not safe and 10 is very safe. Initial transportation survey responses received (3) indicate the following:

Sun Corridor MPO Strategic Transportation Safety Plan

Summary of responses at 1/19/16 public meeting

Casa Grande, Arizona

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I’m <u>Driving a car</u>	While I’m <u>Walking</u>	While I’m <u>Bicycling</u>
<input type="checkbox"/> At night	9	7	4
<input type="checkbox"/> During the daytime	4	1	2
<input type="checkbox"/> At dawn/dusk	8	4	4
<input type="checkbox"/> On highways	6	1	1
<input type="checkbox"/> On 2-lane roads	9	2	3
<input type="checkbox"/> On roads with more than 2 lanes	5	3	3
<input type="checkbox"/> In my neighborhood	3	4	3
<input type="checkbox"/> With crosswalks	4	3	1
<input type="checkbox"/> Crossing (walking) at intersections	6	5	3
<input type="checkbox"/> Crossing between intersections	5	3	2
<input type="checkbox"/> At intersections with stop signs	5	3	2
<input type="checkbox"/> At intersections with signals	3	2	1
<input type="checkbox"/> Crossing (walking) at driveways . .	2	1	1
<input type="checkbox"/> Getting in/out of parking lots	7	1	2
<input type="checkbox"/> With school zones	3	2	2
<input type="checkbox"/> Making left turns	8	2	1
<input type="checkbox"/> At railroad crossings	3	0	0
<input type="checkbox"/> Seeing/reading street signs	5	0	0
<input type="checkbox"/> With people driving distracted . . .	13	8	6
<input type="checkbox"/> With drivers speeding	9	7	5

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

1. How safe do you feel when you DRIVE?

	<u>Not safe</u>										<u>Very safe</u>	
N/A	0	1	2	3	4	5	6	7	8	9	10	
Casa Grande								7.4				
Coolidge						5.0						
Eloy	0											
Pinal County							6.0					

2. How safe do you feel when you WALK?

	<u>Not safe</u>										<u>Very safe</u>	
N/A	0	1	2	3	4	5	6	7	8	9	10	
Casa Grande								7.0				
Coolidge								7.0				
Eloy	0											
Pinal County						5.5						

3. How safe do you feel when you BICYCLE?

	<u>Not safe</u>										<u>Very safe</u>	
N/A	0	1	2	3	4	5	6	7	8	9	10	
Casa Grande					4.2							
Coolidge	0											
Eloy	0											
Pinal County			2.0									

WANTED

THE TRAVELING PUBLIC

JANUARY 19, 2016 4:30 TO 6:30 P.M.

CASA GRANDE COUNCIL CHAMBERS

510 E. FLORENCE BLVD., CASA GRANDE, ARIZ.

The Sun Corridor Metropolitan Planning Organization (MPO) is developing the first Strategic Transportation Safety Plan for the Sun Corridor MPO region. Public involvement is very important for this process. We want you to be part of the planning and implementation of the Safety Plan to reduce fatal and serious injury crashes on our roads.

Your input and participation will be greatly appreciated.

Please plan on attending

If you have any questions, please contact:

Michael Blankenship, *Project Manager*
michael.blankenship@amecfw.com, 602-733-6054

Irene Higgs, *Sun Corridor MPO Planner*
ihiggs@scmpo.org, 520-705-5143



scmpo.org

For questions or accommodation, materials in accessible formats, foreign language interpreters and/or materials in a language other than English, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. Accommodation should be requested at least five days in advance.

DEAD OR ALIVE!

Sun Corridor Metropolitan Planning Organization Transportation Safety Plan

The Sun Corridor Metropolitan Planning Organization (MPO), the regional transportation planning body serving the cities of Casa Grande, Coolidge, Eloy and portions of Pinal County, will hold public meetings in January to gather input on how to reduce traffic crashes in the Sun Corridor MPO region.

The public is invited to the meetings to provide input on priority transportation safety issues and locations and to learn more about traffic crash patterns in the Sun Corridor region. The meetings will be in an open house format and include a brief presentation.

The meetings, each with the same content, will be held in Eloy, Coolidge and Casa Grande as follows:

Wednesday, January 6, 2016

City of Eloy
Eloy City Council Chambers
628 N. Main Street, Eloy, Arizona
Eloy, Arizona
4:30 p.m. to 6:30 p.m.

Tuesday, January 19, 2016

City of Casa Grande
Casa Grande Council Chambers
510 E. Florence Blvd., Casa Grande, Arizona
4:30 p.m. to 6:30 p.m.

Monday, January 25, 2016

City of Coolidge
Coolidge Council Chambers
911 S. Arizona Ave., Coolidge, Arizona
4:00 p.m. to 6:00 p.m.

The Sun Corridor MPO provides transportation planning services for an area that covers 1,115 square miles, with an estimated population of nearly 120,000.

For more information about the Sun Corridor MPO, visit the website at www.scmpo.org.

If you have questions, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. For public meeting accommodation, materials in accessible formats, foreign language interpreters, and/or materials in a language other than English, please contact Irene Higgs at least five business days in advance of the meeting.

MEDIA CONTACT: Irene Higgs

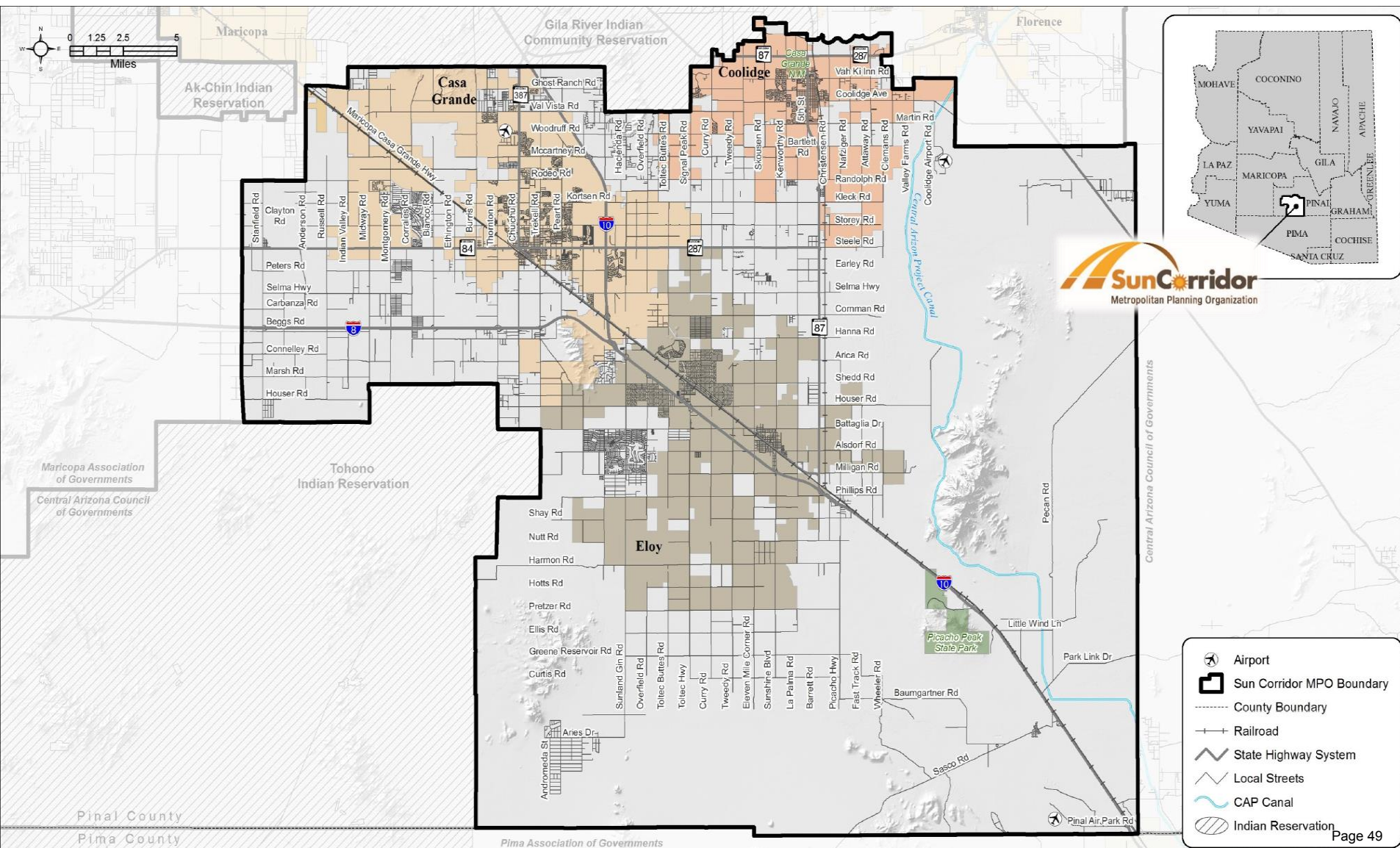
ihiggs@scmpo.org

520-705-5143

Sun Corridor MPO Strategic Transportation Safety Plan

**Casa Grande Public Meeting
January 19, 2016**

SUN CORRIDOR MPO BOUNDARIES



Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 5,180 injury crashes



Safety Plan Vision

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan; ensure compatibility with federal requirements



Ultimate objective:

Reduce traffic crash fatalities and injuries

Man on the Street Video

Regional Crash Data Analysis

- Most frequent crash types:
 - 27% single vehicle
 - 26% rear end
 - 15% angle
 - 10% sideswipe same direction
 - 7% left turn

Regional Crash Data Analysis

- Most frequent fatal crash types:
 - 49% single vehicle
 - 12% pedestrian
 - 8% angle
 - 5% rear end

Regional Fatal Crash Comparison to State

- **Speeding and Aggressive Driving**

- SCMPO 40%, State 38%

- **Impaired Driving**

- SCMPO 38%, State 34%

- **Didn't Use Seat Belt**

- SCMPO 53%, State 49%

- **Motorcycles**

- SCMPO 8%, State 15%

- **Distracted Driving**

- SCMPO 16%, State 15%

Regional Fatal Crash Comparison to State

- **Driver Age < 25 years old**
 - SCMPO 21%, State 30%
- **Driver Age > 64 years old**
 - SCMPO 17%, State 15%
- **Pedestrians**
 - SCMPO 11%, State 15%
- **Bicyclists**
 - SCMPO <1%, State 2%
- **Weather-Related**
 - SCMPO 5%, State 4%
- **Animal-Involved**
 - SCMPO 0%, State <1%

Crash Severity by Agency Boundary

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Type by Agency Boundary

Agency	Angle	Head On	Left Turn	Other	Pedalcycle	Pedestrian	Rear End	Rear To Rear	Rear To Side	Sideswipe Opposite Direction	Sideswipe Same Direction	Single Vehicle	Unknown	Total
Casa Grande	1536	124	907	319	159	126	2765	37	296	157	843	1521	134	8924
Pinal County	265	37	86	247	13	20	769	5	43	42	466	1883	15	3891
Coolidge	371	33	148	83	21	28	403	10	113	47	159	413	17	1846
Eloy	200	22	46	91	9	21	321	5	55	22	189	579	12	1572
Arizona City	39	9	23	11	3	5	99	0	16	7	17	59	4	292
Total	2411	225	1210	751	205	200	4357	57	523	275	1674	4455	182	16525

City of Casa Grande Crashes

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Rear End	4	23	236	512	1990	2765
Angle	7	35	208	302	984	1536
Single Vehicle	25	84	229	149	1034	1521
Left Turn	7	31	142	192	535	907
Sideswipe Same Direction	3	10	32	46	752	843
Other	0	2	28	40	249	319
Rear To Side	0	0	3	8	285	296
Pedalcycle	1	5	58	56	39	159
Sideswipe Opposite Direction	0	1	15	21	120	157
Unknown	0	1	6	15	112	134
Pedestrian	16	12	42	28	28	126
Head On	5	9	18	21	71	124
Rear To Rear	0	0	2	2	33	37
Total	68	213	1019	1392	6232	8924

Contacts

Irene Higgs

Sun Corridor Metropolitan Planning Organization

520-705-5143

ihiggs@scmpo.org

Mike Blankenship, P.E.

Amec Foster Wheeler

(602) 733-6054

michael.blankenship@amecfw.com

Sun Corridor MPO Plan Estratégico de Seguridad del Transporte

Instrucciones: Con un círculo, marque cuáles son los elementos que mejor completan la siguiente frase, y marque todos los cuadros que se aplican a los elementos:

“Tengo un problema de transporte seguro. . .”

	<u>Mientras Manejo</u>	<u>Mientras Camino</u>	<u>En Bicicleta</u>
___ por la noche.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ durante el día.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ al amanecer / anocheecer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las carreteras.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ carreteras con 2 carriles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ carreteras con más de 2 carriles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en la vecindad.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con pasos de peatones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ cruzar caminando en las intersecciones . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Cruce entre intersecciones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las intersecciones con los letreros de alto.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las intersecciones con semáforo.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ cruzar caminando en las entradas de autos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ entrada/salida de los estacionamientos. . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en zonas escolares.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ dando vuelta a la izquierda.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en cruces de ferrocarril.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ viendo / leyendo letreros	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con personas manejando distraído.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con conductores de alta velocidad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Clasificación de Seguridad para el Transporte Local

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. ¿Qué tan seguro se siente usted cuando CONDUCE?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

2. ¿Qué tan seguro se siente usted cuando CAMINA?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

3. ¿Qué tan seguro se siente usted cuando anda en BICICLETA?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	<u>While I'm Driving a car</u>	<u>While I'm Walking</u>	<u>While I'm Bicycling</u>
___ At night	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On 2-lane roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With people driving distracted . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande Coolidge Eloy Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Please complete and submit your survey at the meeting. If you're not able to do so, send it to:
Michael.blankenship@amec.com

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input type="checkbox"/> At night	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> At dawn/dusk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> On 2-lane roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Crossing (walking) at intersections	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> At intersections with stop signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> At railroad crossings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Seeing/reading street signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/> ++	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/> ++	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
--	----------------------------	----------------------	------------------------

- | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> At night | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> During the daytime | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> At dawn/dusk | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> On highways | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> On 2-lane roads | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> On roads with more than 2 lanes | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> In my neighborhood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> With crosswalks | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Crossing (walking) at intersections | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Crossing between intersections | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> At intersections with stop signs | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> At intersections with signals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Crossing (walking) at driveways . . | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Getting in/out of parking lots | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> With school zones | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Making left turns | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> At railroad crossings | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Seeing/reading street signs | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> With people driving distracted . . . | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> With drivers speeding | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input type="checkbox"/> At night	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Making left turns	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input type="checkbox"/> At night	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
___ At night	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
___ During the daytime	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
___ At dawn/dusk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
___ On highways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On 2-lane roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ On roads with more than 2 lanes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ In my neighborhood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
___ With crosswalks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing (walking) at intersections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing between intersections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At intersections with stop signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At intersections with signals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Crossing (walking) at driveways . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Getting in/out of parking lots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With school zones	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Making left turns	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ At railroad crossings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Seeing/reading street signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ With people driving distracted . . .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
___ With drivers speeding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input checked="" type="checkbox"/> At night	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> On highways	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Making left turns	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MS Murray / Colorado

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input type="checkbox"/> At night	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> During the daytime	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With people driving distracted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<u>At night</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>At dawn/dusk</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On highways</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On 2-lane roads</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Crossing (walking) at intersections</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crossing (walking) at driveways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Getting in/out of parking lots</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Making left turns</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With people driving distracted</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande, Coolidge, Eloy, Pinal County

1. How safe do you feel when you DRIVE?

Not safe Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
--	----------------------------	----------------------	------------------------

<input type="checkbox"/> At night	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> On 2-lane roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With school zones	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Making left turns	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	<u>While I'm Driving a car</u>	<u>While I'm Walking</u>	<u>While I'm Bicycling</u>
<u>At night</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>During the daytime</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>At dawn/dusk</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On highways</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On 2-lane roads</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On roads with more than 2 lanes</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>In my neighborhood</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>With crosswalks</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Crossing (walking) at intersections</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Crossing between intersections</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>At intersections with stop signs</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>At intersections with signals</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Crossing (walking) at driveways . .</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Getting in/out of parking lots</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With school zones</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Making left turns</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>At railroad crossings</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Seeing/reading street signs</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With people driving distracted . . .</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>With drivers speeding</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	<u>While I'm Driving a car</u>	<u>While I'm Walking</u>	<u>While I'm Bicycling</u>
<input type="checkbox"/> At night	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> In my neighborhood	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With crosswalks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With people driving distracted . .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input type="checkbox"/> At night	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

"I have a transportation safety concern . . ."

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<input checked="" type="checkbox"/> At night	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> On 2-lane roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With crosswalks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Crossing between intersections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Seeing/reading street signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> With people driving distracted . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Heavy
Traffic*

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande Coolidge Eloy Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Name	Agency	Phone	E-mail address
BRIAN FERRIS	AMEC FOSTER WHEELER	602-733-6174	Brian.Ferris@amec.com
JOSELYN CREED	ACHIEVE Human Services	928 503 0366	jcreed@achievehs.org
Irene Higgs	SCMPO	520-705-5143	ihiggs@scmpo.org
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WAYNE CASHMAN	P.E.S.O	520 483-3474	wayne.cashman@pasoaz.org
PHILLIP MENDOZA		562-665-7634	
IVAN VELASCO	Achieve Human Services	928-446-6315	ivelasco@achievehs.org
DAVID ZAHWISER	HOME	520-836-0874	
LANCE DONAGAN	CITY OF ELOY	520-464-3162	ldonagan@eloyaz.gov
WAYNE L. HOWE	HOME OWNER	952-888-3756	EWHOWE@YAHOO.COM
Alice Templeton	Gordley Group	520 327-6077	alice@gordleygrp.com
STEPHEN MILLER	Pinal County	520-866-7401	
JIM RHODES	ACCESS ARIZONA	520-840-3778	JIMRHODES@EARTHLINK.NET
Dave Richards	RESOLUTION COPPER	602 625 5162	Dave.Richards@resolutioncopper.com
PRICE NOOKY	WALTON	480 586-9269	pNooky@Walton.com

Name	Agency	Phone	E-mail address
Maisha Ashcroft	Horizon Health & Wellness	520-836-1455	maisha.ashcroft@hkwaz.org
Kenneth L Hunter	486 E Providence Dr	520 709 6132	Hunter KB@MSN.COM
Kevin Keegan	Casa Grande Dispatch	520-423-8621	keegan@trivalleyaz.net
Olivia Guerrero	Pinal-DeLa Council	520-836-2758	olivia@pscc.org
Scott Tracy	Casa Grande P.D.	520 421-8700 ext 6700	STracy@CasaGrandeAZ.gov
DEBRA SHAW RHODES	DEBRA SHAW RHODES INTL	520 840-3091	DHSHAW@aol.com
Jim Thompson	City of FCG	520 421-8600	jth@casagrandeaz.gov
David R Maestas	City of Maricopa	520-316-6948	david.maestas@Maricopa.gov

WHAT CAN I DO TO PREVENT ACCIDENTS?

Don't drink and drive

Speed limit

Don't drink and drive

Don't drink and drive

Don't drink and drive

Don't drink and drive

Don't drink and drive

WHY DO ACCIDENTS HAPPEN?

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

Excessive speed/unsafe driving

SAFETY IS OUR RESPONSIBILITY

SAFETY FIRST

I-10

ENFORCEMENT

HOW MANY TRAFFIC
DEATHS ARE ACCOUNTABLE
IN OUR AREA
PER YEAR?

0
0
0

PLEASE TELL US WHAT YOU THINK!

SAFETY

WHY DO ACCIDENTS HAPPEN?

Being preoccupied (not paying attention)

DISTRACTED DRIVING

(TEXTING
CELL PHONES

BIG
TRUCKS

STRESS

NOT PAYING ATTENTION
OO

Fatigue - tiredness

Murray
ction
ashes



COOLIDGE PUBLIC MEETING

January 25, 2016

Sun Corridor MPO Strategic Transportation Safety Plan

Public Involvement meeting

January 25, 2016, 4:00-6:00p

Coolidge, Arizona

Minutes

Thirteen people attended the meeting:

Irene Higgs	Sun Corridor MPO
Lance Dunagan	City of Eloy
Jim Malinski	Coolidge Police Department
Kathy Borquez	Pinal County
Jill Dusenbery	City of Coolidge
Olga Delsi	Cenpatico Integrated Care
Lynn Parsons	Coolidge Chamber of Commerce
Matt Rencher	City of Coolidge
Susanna Struble	City of Coolidge
Rob Jarvis	Coolidge Fire Department
Norma Ortiz	City of Coolidge
Gilbert Lopez	City of Coolidge
Jon Thompson	City of Coolidge

Consultant team:

Mike Blankenship	Amec Foster Wheeler
Clark Clatanoff	Amec Foster Wheeler
Dale Miller	Rick Engineering
Alice Templeton	Gordley Group
Sarah Simpson	United Civil Group

Mike Blankenship opened the meeting and introduced the consultant team. Irene Higgs, of Sun Corridor Metropolitan Planning Organization (SCMPO), then described the purpose of SCMPO and explained the goals of the Strategic Transportation Safety Plan -- to reduce the number of fatal and serious injury crashes in the Sun Corridor area.

He explained the 4 E's of transportation Safety (Engineering, Enforcement, Education, and Emergency services), the importance of coordinating the SCMPO safety plan with the Arizona Strategic Highway Safety Plan, and the ultimate objective of the plan: to reduce traffic crash fatalities and injuries.

The group then viewed a safety video entitled *Zero Fatalities*, a 'man-on-the-street style' short film that asks various members of the public their opinions about traffic safety and fatalities.

The interviewer first asks respondents “How many traffic deaths do you think happen in the U.S. every year?” The next question was “Will we ever decrease this number to zero?” Finally, the interviewer asks “What number is acceptable for my family?” The unanimous response was “zero.”

Mike presented information derived from the ADOT crash database pertinent to the SCMPO region. In the ten-year period analyzed (2005-2014) there were 16,525 total crashes, 243 fatal crashes, and 5,180 injury crashes. In Casa Grande there were 68 fatalities and 213 incapacitating injuries.

In terms of the fatal crash comparisons to state statistics, Mike then led the group in a discussion about the following safety emphasis areas:

Speeding/aggressive driving	Impaired driving	Not using seat belts
Motorcycles	Distracted driving	Young drivers
Older drivers	Pedestrians	Bicyclists
Weather-related	Animal-involved	

The group then adjourned to the crash maps that were displayed around the room.

Part of the audience involvement was a new feature that Amec Foster Wheeler incorporated into the public meetings for this project is called the ‘graffiti wall.’ Facilitated by Gordley Group, participants were asked to indicate their local transportation safety concerns, using colored chalk on a simulated black wall. Under the overall heading of “Safety Is All Our Responsibility,” three prompts first were written on the wall: “What can I do to improve traffic safety?,” “Why do accidents happen?,” and “How many traffic deaths are acceptable?” Participants offered the following responses:

“What can I do to improve traffic safety?”

Stay off the phone	Pay attention to driving, not passengers
Obey speed limits	Defensive driving

“Why do accidents happen?”

Texting/phone use (even hands-free)	Speeding
Can’t design to protect – too expensive	Unexpected things

“Other solutions:”

Ordinance to criminalize phone use while driving

The third prompt was given: “How many traffic deaths are acceptable?” After viewing the *Zero Fatalities* video, the unanimous answer from the group was “0.”

Prior to the meeting all participants received a written survey in which they were asked to select among a variety of options to answer the following question, “I have a transportation safety concern . . .” As well, they were asked to assign a numerical rating to their feeling of safety in their respective communities. The latter is based on a 0-10 scale where 0 is not safe and 10 is very safe. Initial transportation survey responses received (3) indicate the following:

Sun Corridor MPO Strategic Transportation Safety Plan

Summary of responses at 1/25/16 public meeting

Coolidge, Arizona

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I'm <u>Driving a car</u>	While I'm <u>Walking</u>	While I'm <u>Bicycling</u>
<input type="checkbox"/> At night	2	1	0
<input type="checkbox"/> During the daytime	0	1	0
<input type="checkbox"/> At dawn/dusk	0	0	0
<input type="checkbox"/> On highways	1	1	0
<input type="checkbox"/> On 2-lane roads	0	0	0
<input type="checkbox"/> On roads with more than 2 lanes	0	0	0
<input type="checkbox"/> In my neighborhood	0	0	0
<input type="checkbox"/> With crosswalks	1	1	0
<input type="checkbox"/> Crossing (walking) at intersections	0	0	0
<input type="checkbox"/> Crossing between intersections	0	1	0
<input type="checkbox"/> At intersections with stop signs	1	1	0
<input type="checkbox"/> At intersections with signals . . .	0	0	1
<input type="checkbox"/> Crossing (walking) at driveways . .	0	0	1
<input type="checkbox"/> Getting in/out of parking lots . . .	1	0	0
<input type="checkbox"/> With school zones	3	1	0
<input type="checkbox"/> Making left turns	0	0	0
<input type="checkbox"/> At railroad crossings	0	0	0
<input type="checkbox"/> Seeing/reading street signs . . .	0	0	0
<input type="checkbox"/> With people driving distracted . . .	2	1	1
<input type="checkbox"/> With drivers speeding	2	1	1

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion. (1 survey response)

1. How safe do you feel when you DRIVE?

	<u>Not safe</u>										<u>Very safe</u>		
N/A	0	1	2	3	4	5	6	7	8	9	10		
Casa Grande													
Coolidge									8.0				
Eloy													
Pinal County													

2. How safe do you feel when you WALK?

	<u>Not safe</u>										<u>Very safe</u>		
N/A	0	1	2	3	4	5	6	7	8	9	10		
Casa Grande													
Coolidge									8.0				
Eloy													
Pinal County													

3. How safe do you feel when you BICYCLE?

	<u>Not safe</u>										<u>Very safe</u>		
N/A	0	1	2	3	4	5	6	7	8	9	10		
Casa Grande													
Coolidge													
Eloy													
Pinal County													

WANTED

THE TRAVELING PUBLIC

JANUARY 25, 2016 4 TO 6 P.M.

COOLIDGE COUNCIL CHAMBERS

911 S. ARIZONA BLVD., COOLIDGE, ARIZ.

The Sun Corridor Metropolitan Planning Organization (MPO) is developing the first Strategic Transportation Safety Plan for the Sun Corridor MPO region. Public involvement is very important for this process. We want you to be part of the planning and implementation of the Safety Plan to reduce fatal and serious injury crashes on our roads.

Your input and participation will be greatly appreciated.

Please plan on attending

If you have any questions, please contact:

Michael Blankenship, *Project Manager*
michael.blankenship@amecfw.com, 602-733-6054

Irene Higgs, *Sun Corridor MPO Planner*
ihiggs@scmpo.org, 520-705-5143



scmpo.org

For questions or accommodation, materials in accessible formats, foreign language interpreters and/or materials in a language other than English, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. Accommodation should be requested at least five days in advance.

DEAD OR ALIVE!

Sun Corridor Metropolitan Planning Organization Transportation Safety Plan

The Sun Corridor Metropolitan Planning Organization (MPO), the regional transportation planning body serving the cities of Casa Grande, Coolidge, Eloy and portions of Pinal County, will hold public meetings in January to gather input on how to reduce traffic crashes in the Sun Corridor MPO region.

The public is invited to the meetings to provide input on priority transportation safety issues and locations and to learn more about traffic crash patterns in the Sun Corridor region. The meetings will be in an open house format and include a brief presentation.

The meetings, each with the same content, will be held in Eloy, Coolidge and Casa Grande as follows:

Wednesday, January 6, 2016

City of Eloy
Eloy City Council Chambers
628 N. Main Street, Eloy, Arizona
Eloy, Arizona
4:30 p.m. to 6:30 p.m.

Tuesday, January 19, 2016

City of Casa Grande
Casa Grande Council Chambers
510 E. Florence Blvd., Casa Grande, Arizona
4:30 p.m. to 6:30 p.m.

Monday, January 25, 2016

City of Coolidge
Coolidge Council Chambers
911 S. Arizona Ave., Coolidge, Arizona
4:00 p.m. to 6:00 p.m.

The Sun Corridor MPO provides transportation planning services for an area that covers 1,115 square miles, with an estimated population of nearly 120,000.

For more information about the Sun Corridor MPO, visit the website at www.scmpo.org.

If you have questions, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. For public meeting accommodation, materials in accessible formats, foreign language interpreters, and/or materials in a language other than English, please contact Irene Higgs at least five business days in advance of the meeting.

MEDIA CONTACT: Irene Higgs

ihiggs@scmpo.org

520-705-5143

Sun Corridor MPO Strategic Transportation Safety Plan

**Coolidge Public Meeting
January 25, 2016**

■ **S** amtec
■ foster
■ wheeler



Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 5,180 injury crashes



Safety Plan Vision

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan; ensure compatibility with federal requirements



Ultimate objective:

Reduce traffic crash fatalities and injuries

Man on the Street Video

Regional Crash Data Analysis

- Most frequent crash types:
 - 27% single vehicle
 - 26% rear end
 - 15% angle
 - 10% sideswipe same direction
 - 7% left turn

Regional Crash Data Analysis

- Most frequent fatal crash types:
 - 49% single vehicle
 - 12% pedestrian
 - 8% angle
 - 5% rear end

Regional Fatal Crash Comparison to State

- **Speeding and Aggressive Driving**

- SCMPO 40%, State 38%

- **Impaired Driving**

- SCMPO 38%, State 34%

- **Didn't Use Seat Belt**

- SCMPO 53%, State 49%

- **Motorcycles**

- SCMPO 8%, State 15%

- **Distracted Driving**

- SCMPO 16%, State 15%

Regional Fatal Crash Comparison to State

- **Driver Age < 25 years old**
 - SCMPO 21%, State 30%
- **Driver Age > 64 years old**
 - SCMPO 17%, State 15%
- **Pedestrians**
 - SCMPO 11%, State 15%
- **Bicyclists**
 - SCMPO <1%, State 2%
- **Weather-Related**
 - SCMPO 5%, State 4%
- **Animal-Involved**
 - SCMPO 0%, State <1%

Crash Severity by Agency Boundary

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Type by Agency Boundary

Agency	Angle	Head On	Left Turn	Other	Pedalcycle	Pedestrian	Rear End	Rear To Rear	Rear To Side	Sideswipe Opposite Direction	Sideswipe Same Direction	Single Vehicle	Unknown	Total
Casa Grande	1536	124	907	319	159	126	2765	37	296	157	843	1521	134	8924
Pinal County	265	37	86	247	13	20	769	5	43	42	466	1883	15	3891
Coolidge	371	33	148	83	21	28	403	10	113	47	159	413	17	1846
Eloy	200	22	46	91	9	21	321	5	55	22	189	579	12	1572
Arizona City	39	9	23	11	3	5	99	0	16	7	17	59	4	292
Total	2411	225	1210	751	205	200	4357	57	523	275	1674	4455	182	16525

City of Coolidge Crashes

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	8	19	51	57	278	413
Rear End	1	16	36	69	281	403
Angle	1	26	45	65	234	371
Sideswipe Same Direction	1	1	12	10	135	159
Left Turn	4	6	19	31	88	148
Rear To Side	0	0	0	0	113	113
Other	1	3	3	9	67	83
Sideswipe Opposite Direction	0	1	7	4	35	47
Head On	4	5	6	3	15	33
Pedestrian	2	5	10	8	3	28
Pedalcycle	0	3	3	9	6	21
Unknown	0	0	3	0	14	17
Rear To Rear	0	0	0	0	10	10
Total	22	85	195	265	1279	1846

Contacts

Irene Higgs

Sun Corridor Metropolitan Planning Organization

520-705-5143

ihiggs@scmpo.org

Mike Blankenship, P.E.

Amec Foster Wheeler

(602) 733-6054

michael.blankenship@amecfw.com

Sun Corridor MPO Plan Estratégico de Seguridad del Transporte

Instrucciones: Con un círculo, marque cuáles son los elementos que mejor completan la siguiente frase, y marque todos los cuadros que se aplican a los elementos:

“Tengo un problema de transporte seguro. . .”

	<u>Mientras Manejo</u>	<u>Mientras Camino</u>	<u>En Bicicleta</u>
___ por la noche.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ durante el día.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ al amanecer / anocheecer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las carreteras.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ carreteras con 2 carriles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ carreteras con más de 2 carriles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en la vecindad.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con pasos de peatones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ cruzar caminando en las intersecciones . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ Cruce entre intersecciones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las intersecciones con los letreros de alto.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en las intersecciones con semáforo.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ cruzar caminando en las entradas de autos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ entrada/salida de los estacionamientos. . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en zonas escolares.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ dando vuelta a la izquierda.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ en cruces de ferrocarril.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ viendo / leyendo letreros	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con personas manejando distraído.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
___ con conductores de alta velocidad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Clasificación de Seguridad para el Transporte Local

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. ¿Qué tan seguro se siente usted cuando CONDUCE?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

2. ¿Qué tan seguro se siente usted cuando CAMINA?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

3. ¿Qué tan seguro se siente usted cuando anda en BICICLETA?

No Seguro

Muy Seguro

N/A 0 1 2 3 4 5 6 7 8 9 10

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	<u>While I'm Driving a car</u>	<u>While I'm Walking</u>	<u>While I'm Bicycling</u>
<input type="checkbox"/> At night	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During the daytime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At dawn/dusk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On highways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On 2-lane roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On roads with more than 2 lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In my neighborhood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing between intersections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with stop signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At intersections with signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Crossing (walking) at driveways . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Getting in/out of parking lots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With school zones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Making left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> At railroad crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seeing/reading street signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With people driving distracted . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> With drivers speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande Coolidge Eloy Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

Please complete and submit your survey at the meeting. If you're not able to do so, send it to:
Michael.blankenship@amec.com

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

	While I'm Driving a car	While I'm Walking	While I'm Bicycling
<u>At night</u>	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>During the daytime</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>At dawn/dusk</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On highways</u>	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>On 2-lane roads</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>On roads with more than 2 lanes</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>In my neighborhood</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With crosswalks</u>	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>Crossing (walking) at intersections</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Crossing between intersections</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>At intersections with stop signs</u>	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>At intersections with signals</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Crossing (walking) at driveways</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Getting in/out of parking lots</u>	<input checked="" type="checkbox"/> I	<input type="checkbox"/>	<input type="checkbox"/>
<u>With school zones</u>	<input checked="" type="checkbox"/> I II	<input checked="" type="checkbox"/> I	<input type="checkbox"/>
<u>Making left turns</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>At railroad crossings</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Seeing/reading street signs</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With people driving distracted</u>	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I
<u>With drivers speeding</u>	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I	<input checked="" type="checkbox"/> I

Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

Casa Grande

Coolidge

Eloy

Pinal County

1. How safe do you feel when you DRIVE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

2. How safe do you feel when you WALK?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

3. How safe do you feel when you BICYCLE?

Not safe

Very safe

N/A

0

1

2

3

4

5

6

7

8

9

10

Please complete and submit your survey at the meeting. If you're not able to do so, send it to:
Michael.blankenship@amec.com

Sun Corridor MPO Strategic Transportation Safety Plan

Instructions: Circle all items that best complete the following sentence, and
Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

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Local Transportation Safety Rating

Instructions: For each question circle the number that matches your opinion.

Select your locality:

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Coolidge

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Pinal County

1. How safe do you feel when you DRIVE?

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Very safe

N/A 0 1 2 3 4 5 6 7 8 9 10

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N/A 0 1 2 3 4 5 6 7 8 9 10

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Sun Corridor MPO Strategic Transportation Safety Plan

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Check all boxes that apply to those items:

“I have a transportation safety concern . . .”

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<u>At intersections with signals</u> . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<u>Seeing/reading street signs</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With people driving distracted</u> . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>With drivers speeding</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sun Corridor MPO Strategic Transportation Safety Plan
Public Meeting - January 25, 2016
Coolidge, Arizona

Name	Agency	Phone	E-mail address
LANCE D. DONAGAN	CITY OF ELOY	520.464.3162	ldonagan@eloyaz.gov
Mike Blankenship	AmeC Foster Wheeler	602-733-6054	michael.blankenship@amec.com
JIM MALINSKI	COOLIDGE PID	520 723 5311	JMALINSKI@COOLIDGEAZ.COM
Kathy Borguez	Pinal County	520-866-6406	Kathy.Borguez@PinalCountyAZ.gov
Jill Dusenberry	City of Coolidge	520-723-6014	Jill@Coolidgeaz.com
Tygon Clark Clerk Clanton	AmeC		
Odebi Delsi	Cenpatco ^{Integrated} Care	480-205-0291	odebi@cenpatco.com
Lynn Parsons	Coolidge Chamber	520.560.5082	Lparsons@coolidgechamber.org
Matt Rencher	City of Coolidge	520-723-4882 520-723-6004 520-213-7797	mrencher@coolidgeaz.com
Susanna Struble	City of Coolidge		Sstruble@coolidgeaz.com
Rob Jarvis	Coolidge Fire Dept	520 723-6015	rjarvis@coolidgeaz.com
Frene Higgs	SCMPO	520-709-5143	fhiggs@scmpo.org
Norma Ortiz	CITY OF COOLIDGE	(520) 723-5361	norma@coolidgeaz.com
Gilbert Lopez	City of Coolidge	(602) 558-9119	gov@live.com
Jon Thompson	" " "	520-723-6047	



CENTRAL ARIZONA COLLEGE PUBLIC MEETING

November 9, 2016

WANTED

THE TRAVELING PUBLIC

NOVEMBER 9, 2016 4:30 TO 6 P.M.

CENTRAL ARIZONA COLLEGE SIGNAL PEAK CAMPUS

BUILDING O, ROOM O-113, 8470 N. OVERFIELD ROAD, COOLIDGE, ARIZ.

The Sun Corridor Metropolitan Planning Organization (MPO) is developing the first Strategic Transportation Safety Plan for the Sun Corridor MPO region. Public involvement is very important for this process. Please join us as we present the findings of the Plan, including traffic crash patterns and potential safety projects.

Your input and participation will be greatly appreciated

Please plan on attending

If you have any questions, please contact:

Michael Blankenship, *Project Manager*
michael.blankenship@amecfw.com, 602-733-6054

Irene Higgs, *Sun Corridor MPO Executive Director*
ihiggs@scmpo.org, 520-705-5143



scmpo.org

For questions or accommodation, materials in accessible formats, foreign language interpreters and/or materials in a language other than English, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. Accommodation should be requested at least five days in advance.

~~DEAD~~ OR ALIVE!

Sun Corridor Metropolitan Planning Organization Transportation Safety Plan

The Sun Corridor Metropolitan Planning Organization (MPO) is the regional transportation planning body serving the cities of Casa Grande, Coolidge, Eloy and portions of Pinal County. The Sun Corridor MPO will hold a public meeting in November to inform the public on the findings of the Regional Strategic Transportation Safety Plan, including traffic crash patterns and potential safety projects.

The public is invited to the meeting, which will be held in an open house format and include a brief presentation. The meeting will be held as follows:

Wednesday, November 9, 2016
Central Arizona College Signal Peak Campus
8470 N. Overfield Road
Building O, Room O-113
Coolidge, Arizona
4:30 p.m. to 6:00 p.m.

The Sun Corridor MPO provides transportation planning services for an area that covers 1,115 square miles, with an estimated population of nearly 120,000.

For more information about the Sun Corridor MPO, visit the website at www.scmpo.org.

If you have questions, please contact Irene Higgs at 520-705-5143 or email at ihiggs@scmpo.org. For public meeting accommodation, materials in accessible formats, foreign language interpreters, and/or materials in a language other than English, please contact Irene Higgs at least five business days in advance of the meeting.

MEDIA CONTACT: Irene Higgs
ihiggs@scmpo.org
520-705-5143

Sun Corridor MPO Strategic Transportation Safety Plan

Public Meeting November 9, 2016

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan



Ultimate objective:

Reduce traffic crash fatalities and injuries

Safety Plan Vision and Goal

Vision:

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Goal:

“Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

Regional Crashes

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



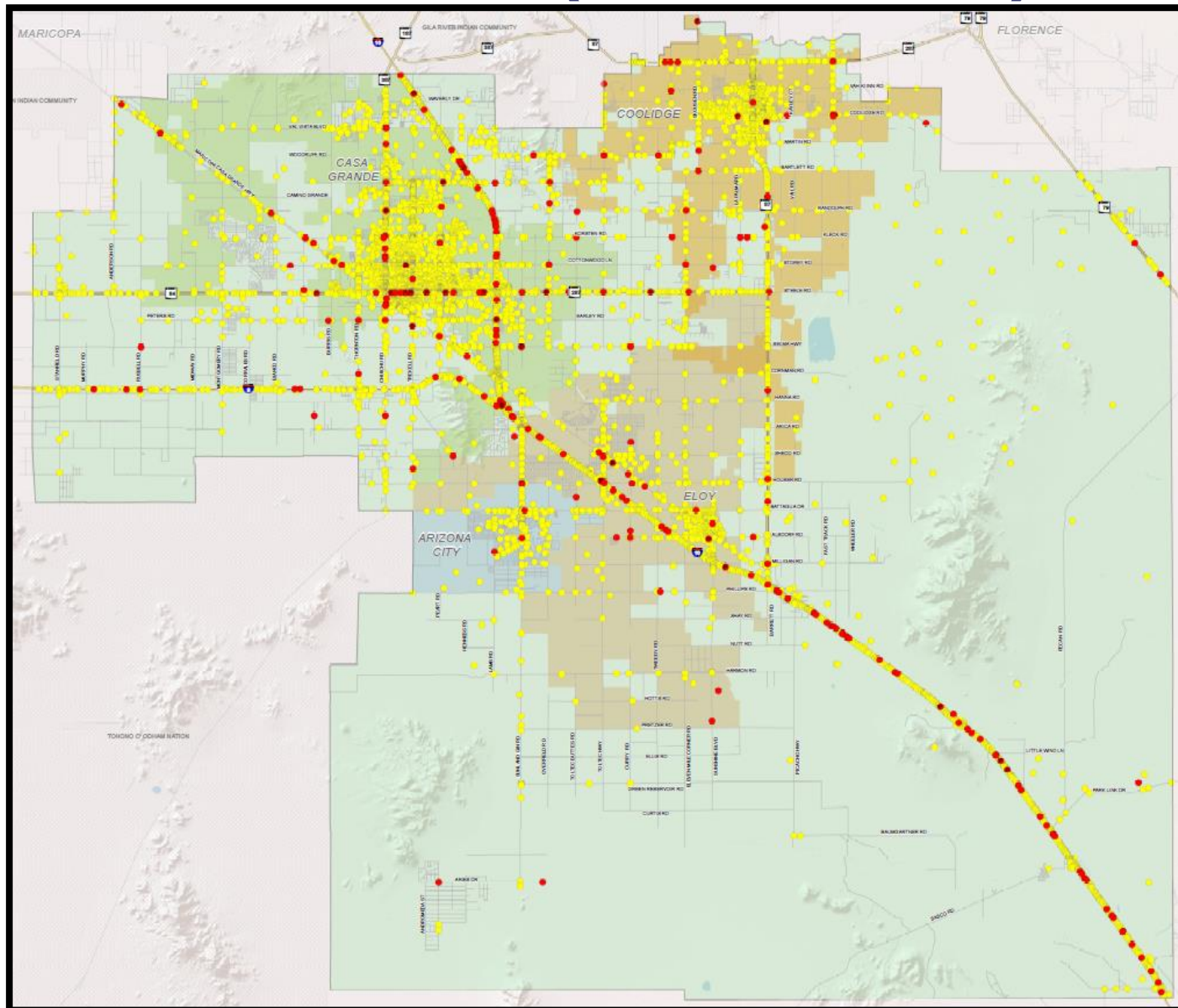
SCMPO Region Crashes (2005-2014)

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	120	284	673	447	2931	4455
Rear Ends	13	93	435	756	3060	4357
Angle	19	88	330	459	1515	2411
Sideswipe Same Direction	11	29	108	99	1427	1674
Left Turn	11	53	189	252	705	1210
Other	10	18	61	67	595	751
Rear To Side	0	0	6	8	509	523
Sideswipe Opposite Direction	1	7	32	30	205	275
Head On	26	20	35	31	113	225
Bicyclist	2	13	73	69	48	205
Pedestrian	30	32	65	39	34	200
Unknown	0	2	12	16	152	182
Rear To Rear	0	1	2	3	51	57
Total	243	640	2021	2276	11345	16525

SCMPO Region Crashes (2005-2014)

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Locations (2005-2014)



Emphasis Areas

Emphasis Area	SCMPO Fatal Crashes	Statewide Fatal Crashes
Lane Departure	64%	53%
Occupant Protection	53%	49%
Speeding	40%	38%
Impaired Driving	38%	34%
Young Drivers	21%	30%
Intersections	19%	23%
Older Drivers	17%	15%
Distracted Driving	16%	15%
Pedestrians	11%	15%
Weather-related	5%	4%

Example Safety Strategies

Pedestrians:

■ Engineering

- Provide sidewalks, multi-use paths, and/or marked crosswalks
- Install controlled pedestrian crossings (HAWKs)

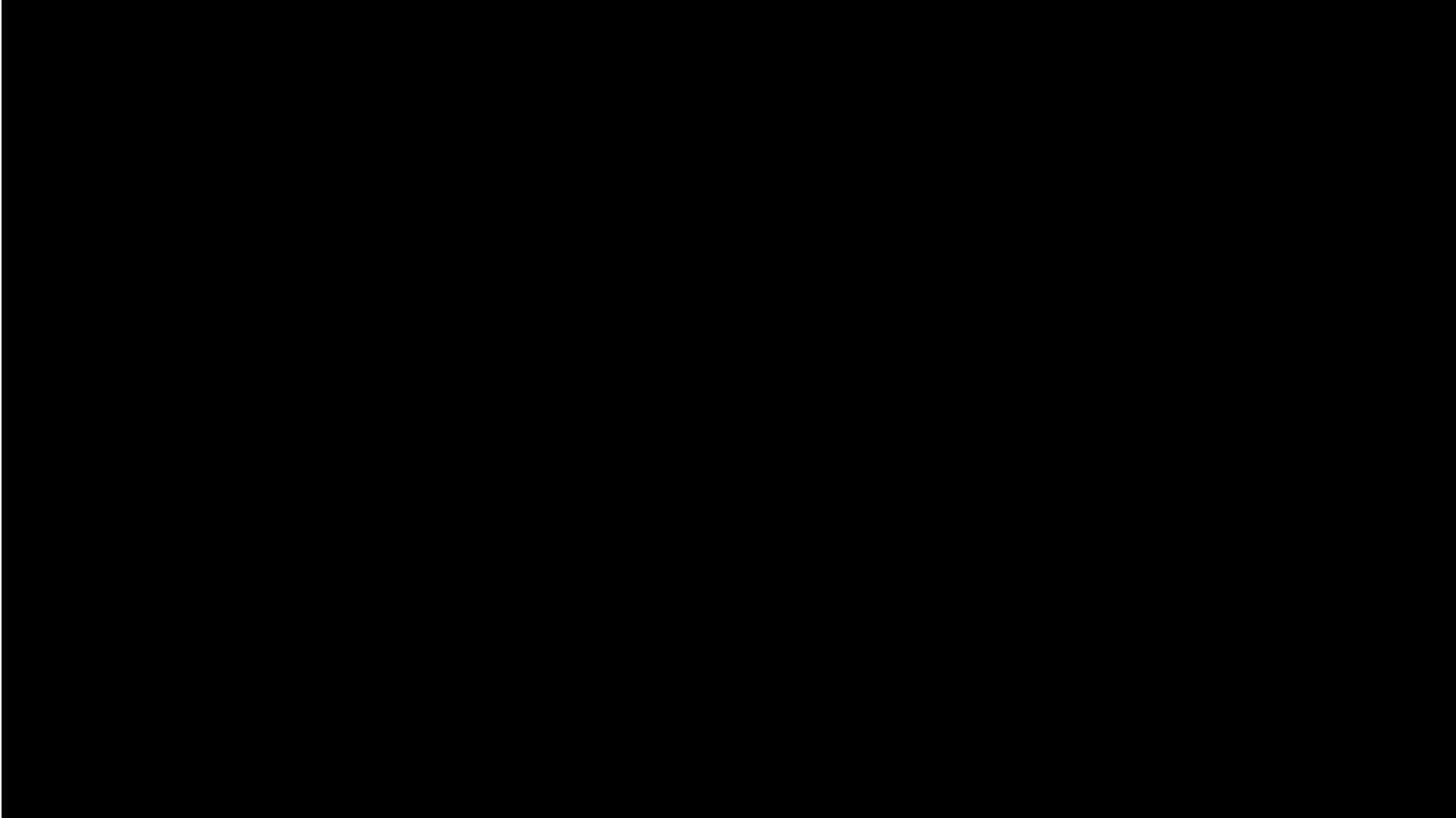
■ Education

- Promote use of pedestrian safety lights and reflective wrist/ankle bands
- Train school crossing guards, and coordinate with them to identify safety issues

■ Enforcement

- Increase enforcement of existing laws designed to promote pedestrian safety

Central Yavapai MPO Video

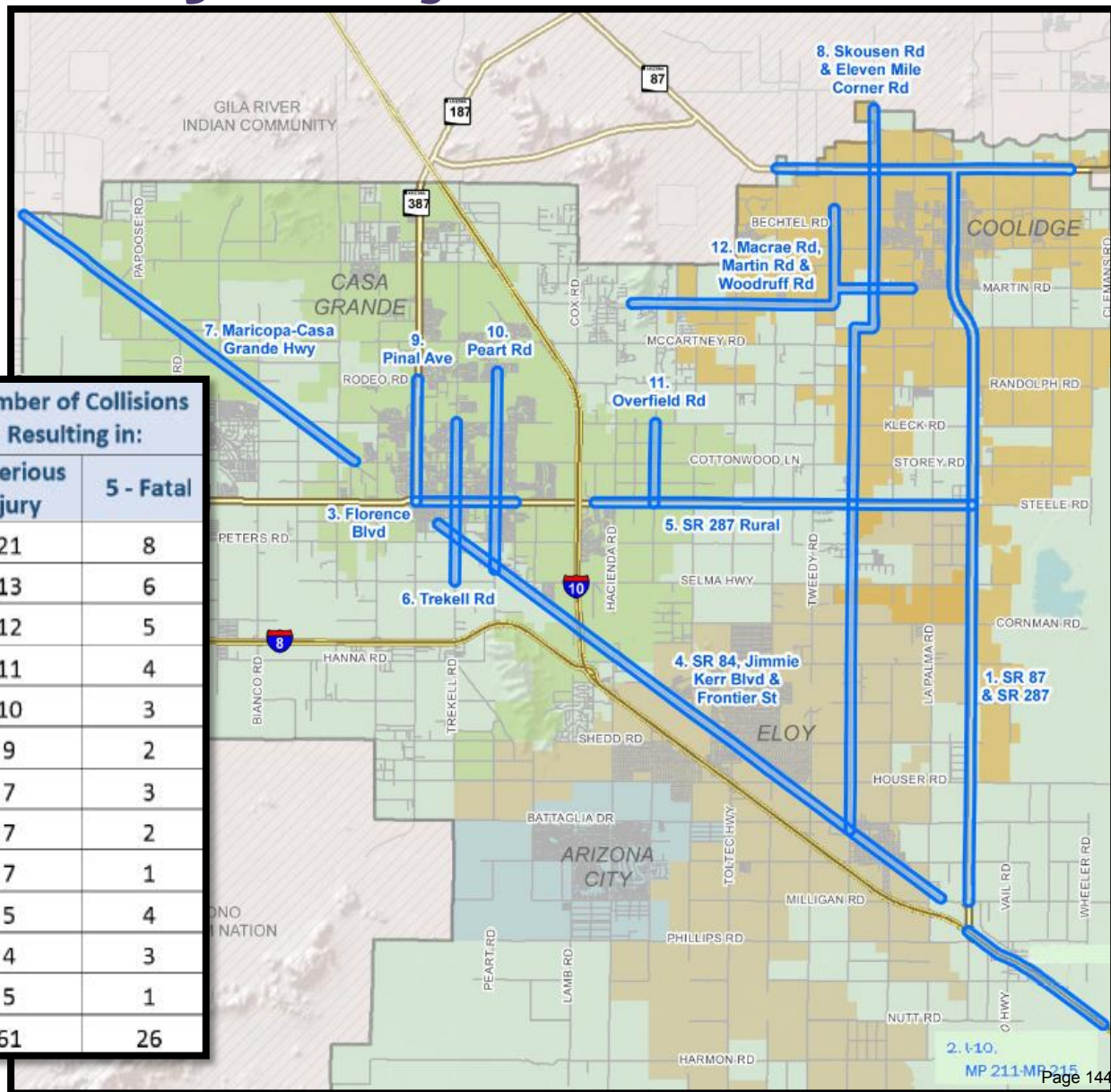


Impaired driving, speeding, lack of seat belt crashes



Potential Safety Projects

HSIP Project Corridor	Number of Collisions Resulting in:	
	4 - Serious Injury	5 - Fatal
SR 87 & SR 287	21	8
I-10, MP 211 - MP 215	13	6
Florence Boulevard	12	5
Jimmie Kerr Blvd / Frontier St	11	4
SR 287 Rural	10	3
Trekell Rd	9	2
Maricopa-Casa Grande Hwy	7	3
Skousen Rd & Eleven Mile Corner Rd	7	2
Pinal Ave (SR 387)	7	1
Peart Rd	5	4
Overfield Rd	4	3
Macrae Rd, Martin Rd & Woodruff Rd	5	1
Systemic Lane Departures	61	26



Implementation

- ▶ Safety Project Funding Applications
- ▶ Quarterly meetings of engineering, enforcement, planning
- ▶ Annually:
 - ▶ Update crash data
 - ▶ Update emphasis areas
 - ▶ Identify new safety projects
 - ▶ Measure and report safety performance
- ▶ Change Behavior!

Next Steps

- ▶ Casa Grande City Council Presentation November 21st
- ▶ Draft Report for Public Comment November/December
- ▶ Final Report January 2017

Contacts

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Scott.Kelley@amecfw.com



Sun Corridor MPO Strategic Transportation Safety Plan
Public Meeting
November 9, 2016



Name	Agency	Phone	E-mail address
Anthony Smith	Pinal County	520 866 3961	anthony.smith@pinalcountyaz.gov
Barbara Wright	Casa Grande Elem. School District	520 836 2111	barbara.wright@cgelem.k12az.us
Chris Knutsen	Chris Knutsen		
Dale Willis	Willis Property Company		
David Maestas	City of Maricopa		
David Richins	Resolution Copper Company		
Deborah Brookshire	DAV Transportation Network		
Jill Dusenberry	City of Coolidge	520-723-6014	JillDCoolidgeaz.com
Kent Taylor	Pinal County		
Ken Martin	City of Eloy		
Larry Rains	City of Casa Grande		
Mary Lou Rosales	CAHRA		
Rina Rien	Rien Consulting		
Rick Miller	City of Coolidge		
Scott R. Miller	City of Casa Grande		

Name	Agency	Phone	E-mail address
Stacy Brimhall	Langley Properties		
Scott Tracy	City of Casa Grande		
Tim Kanavel	Pinal County		
Todd House	Pinal County		
Harry Grizzle	Coolidge Police Dept	520-570-3090	hgrizzle@coolidgeaz.com
Scott Kelley	Amec Foster Wheeler	602-733-6019	Scott.H.Kelley@amefwi.com
Mike Blankenship	Amec Foster Wheeler	602-733-6054	michael.blankenship@amefwi.com
JASON HAFNER	SCMPD	520-705-51	JHafner@SCMPD.org
IRENE HIGGS	SCMPD	520-705-51	Ithiggs@SCMPD.org
JERRY KAPHING	MARICOPA PD	571-577-7077	GERALD.KAPHING@MARICOPA-AZ.GOV
GREGORY McDOWELL	GILA RIVER INDIAN COMMUNITY DOT	520-562-6304	Gregory.McDowell@gric.nsn.us
LANCE DUNAGAN	CITY OF ELOY	520-464-3162	ldunagan@eloyaz.com
GREG STANLEY	PINAL COUNTY	520-466-6201	
KEVIN LOUIS	CITY CASA GRANDE	520-421-8625	
Matt Rencher	City of Coolidge	520-723-4882	mrencher@coolidgeaz.com
Jerry James	ADOT	520-593-4200	james@azdot.gov
Kelly Fisher	Casa Grande Dispatch	440-364-1446	kfisher@pinalcentral.com
Alice Templeton	Gordley Group	520-327-6077	alice@gordleygroup.com

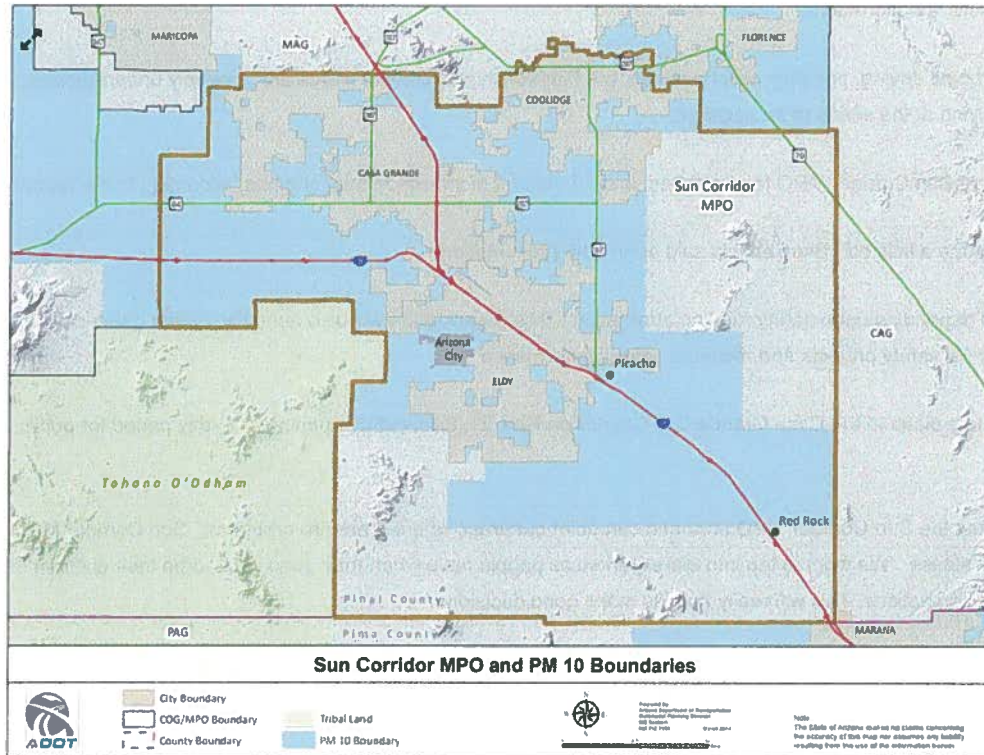


Casa Grande Dispatch Maricopa Monitor Coolidge Examiner Eloy Enterprise Florence Reminder & Blade-Tribune Arizona City Independent/Edition
San Tan Valley Sentinel Tri-Valley Dispatch

http://www.pinalcentral.com/casa_grande_dispatch/area_news/panel-seeks-input-on-how-to-reduce-crashes-fatalities-in/article_aed876a2-a8f6-11e6-858a-1f5f473e2590.html

Panel seeks input on how to reduce crashes, fatalities in Pinal County

By KELLY FISHER Staff Writer Nov 12, 2016



SCMPO

SIGNAL PEAK — Unincorporated regions of Pinal County account for approximately half of the fatal crash sites in the county, and Casa Grande is the site with the most crashes, fatal or otherwise.

That's according to 2005 to 2014 Arizona Department of Transportation crash data, which the Sun Corridor Metropolitan Planning Organization studied for about a year. During the study period, there were more than 16,000 total crashes in the MPO region, 243 of which were fatal.

The most common collisions are single-vehicle crashes, pedestrian and head-on crashes.

The MPO, which includes Casa Grande, Coolidge, Eloy and some unincorporated areas of Pinal County, held a public meeting at Central Arizona College's Signal Peak Campus on Wednesday to discuss a draft Strategic Transportation Safety Plan.

The MPO's goals are to develop strategic plans for the major "emphasis areas" that lead to accidents, based on engineering, enforcement, education and emergency services needs, tailored to the particular area based upon available crash data. Ultimately, the organization aims to reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent over the next five years.

Based upon fatal and serious injury crash data, MPO proposed project sites include State Routes 87 and 287, Interstate 10 between mileposts 211 and 215, Maricopa-Casa Grande Highway and region-wide systemic lane departures, among others.

Transportation Planner Jason Hafner said the MPO plans to apply for Highway Safety Improvement Program funds, provided by a federal program established to combat traffic fatalities.

He said the safety plan was developed from a "data-driven, collaborative effort," including insight from local police departments, the sheriff's office, fire departments, schools and more.

Mike Blankenship of Amec Foster Wheeler led the MPO presentation from there.

Although crashes were declining for years, in 2015, the number shot up by about 8 to 10 percent, he said of the data MPO studied.

He said major emphasis areas proposed for the Sun Corridor region, which align directly with the state plan, include lane departure — switching lanes or driving off-road — occupant protection — such as seat belts — impaired driving — of which alcohol is still the leading cause, yet prescription drugs is the fastest-rising contributor — and young drivers, among others.

A commonly-thought-of emphasis area is distracted driving, primarily cellphone use, but Blankenship said those cases are "severely underreported," as few people are willing to admit to distracted driving at the scene of an accident.

Distracted driving accounts for just 16 percent of Sun Corridor MPO fatal crashes, and 15 percent of statewide fatal crashes, according to the reports.

"We all as road users ... need to step up our game a little bit," Blankenship said during the presentation.

Blankenship said projects will be implemented depending upon safety funding applications. The organization will also annually update crash data, update emphasis area data, identify new potential safety projects and measure safety performance.

The organization's next focus is presenting safety plans to the Casa Grande City Council on Nov. 21, followed by opening a 30-day period for public comment on the draft report.

"We want to hear from anyone who moves about the Sun Corridor MPO area and can point out areas where there are problems," Sun Corridor MPO Executive Director Irene Higgs said in a news release. "We want to tap into the experiences people have when they go to work, drop their children off at school, use sidewalks and paths or cross our intersections. This will really help us make good decisions."

Taking official and public feedback into account, MPO will issue a final report in January, which will include which projects to pursue.

I-10 among deadliest in country



Planning for new Pinal highway moves forward

STAKEHOLDER MEETINGS



CENTRAL ARIZONA COLLEGE STAKEHOLDER MEETING

September 16, 2015

Sun Corridor Metropolitan Planning Organization Strategic Transportation Safety Plan

Stakeholder Meeting Summary
Central Arizona College, Signal Peak Campus
September 16, 2015
9:00 – 11:30 AM

Attendees

Irene Higgs	Sun Corridor MPO
Sharon Mitchell	Sun Corridor MPO
Lance Dunagan	City of Eloy
James Gomes	ADOT
Jon Thompson	City of Coolidge
Emily Dawson	ADOT
Jerry James	ADOT
Steve Tittle	Rural Metro/SWA
Jim Walker	City of Coolidge Police
Ralph Martinez	City of Coolidge Police
Garrett Schumacher	Coolidge Youth Council
Baylee Hodge	Coolidge Youth Council
Jill Dusenberry	City of Coolidge
Scott Miller	Casa Grande Fire Dept.
Mandy Alexander	Coolidge Youth Coalition
Sharon Boyd	Coolidge Youth Coalition
Richard Aguirre	Maricopa Police Dept.
Andy Smith	CAG
Ricky Lapaglia	City of Coolidge
Susanna Struble	City of Coolidge
Duane Eitel	City of Casa Grande
Aaron Williams	FHWA
Sharon Gordon	FHWA
Wayne Cashman	Pinal County Sheriff's Office
Margaret Boone	MAG
Doug Hansen	Pinal County
Charles Stretton	Eloy Police Dept.
Jim Rhodes	CAC Small Business Development Center
Jason Pike	ADOT
David Wisnoski	Rural Metro

Consultant team:

Mike Blankenship	Amec Foster Wheeler
Brian Fellows	Amec Foster Wheeler
Alyssa Mittelhauser	Amec Foster Wheeler
Dale Miller	Rick Engineering

Welcome and Introductions

Irene Higgs of the Sun Corridor MPO welcomed participants to the meeting. Thirty-three people attended, representing state, federal, county, and municipal government, planning, transportation/ engineering, law enforcement, fire/ EMT, and education/ youth (see attached sign-in sheet). Irene explained the role of a Metropolitan Planning Organization (MPO) and the newly created SCMPO.

Strategic Transportation Safety Plan (STSP) Objectives

The ultimate goal of the SCMPO STSP is to reduce the number of fatal and serious injury crashes in the region. STSP objectives include:

- Incorporate the 4 E's of transportation safety (engineering, enforcement, education, and emergency services) into the Plan's safety strategies
- Establish regional vision, goals, emphasis areas, strategies, performance measures, and safety projects
- Coordinate with the Arizona Strategic Highway Safety Plan and ensure compatibility with federal requirements

Role of Stakeholders

Two stakeholder workshops will be conducted as part of the STSP development. Stakeholder input will be used to identify safety issues and locations and to develop safety countermeasures. Stakeholders will also play a role in implementing the plan's recommendations.

Crash Data Analysis Findings

Participants highlighted crash locations and safety concerns on maps, which were then compared to maps with the actual crash locations. Specific issues that were identified include:

- Arizona City experiences street flooding.
- Signal Peak Road near London Road in Coolidge has a sharp horizontal curve that is the location of crashes.
- Some unpaved roads in Coolidge are poorly graded (ex: Bartlett east of SR 87).
- The proposed Phoenix Mart may introduce traffic issues.
- A pedestrian crash was noted on Maricopa-Casa Grande Highway at Anderson Road.
- Dust storms on I-8 west of Eloy/Arizona City, SR 84 toward I-8, and SR 287 between Casa Grande and SR 87.
- Inadequate lighting on SR 87 south and SR 287 area.

Findings of the crash data analysis were presented, including comparison of the region to the State's crash findings (see attached presentation). Discussion included:

- Possible reasons for crash frequencies trending downward since 2006:
 - Downturn in economy led to less driving
 - I-10 widening project improved safety on the freeway
 - EMS response times improved
 - Law enforcement intensity
 - Safety efforts by the Governor's Office of Highway Safety (GOHS)
- Possible reasons for the recent increase nationally and in Arizona in fatal and serious injury crashes, which have increased approximately 13% and 18% respectively over 2014 numbers:
 - Increase in impaired driving and driving under the influence of prescription medications
 - Use of smart phones and distracted driving
 - Increase in vehicle miles travelled with the economic upturn
 - Less emphasis on driver education in schools

- Law enforcement uses day-of-week and time-of-day trends for targeted enforcement and campaigns.
- Is there an issue with railroad crossing crashes, and if so, are there opportunities to seek/use funding from the Federal Railroad Administration (FRA)?
- Single vehicle crashes make up the highest percentage of fatal crashes (49%) – many of these are unbelted occupants that get ejected during the crash
- Pedestrian crashes are the second highest percentage in terms of fatal crashes (12%)
- City of Casa Grande is installing pedestrian hybrid beacons to address pedestrian safety issues
- Law enforcement reporting of crashes to ADOT is critical for obtaining federal funding and for developing appropriate safety strategies and projects.

Develop Regional Safety Vision

The stakeholders were asked to vote for their preferred vision statement for the STSP from a list developed by the Sun Corridor MPO Technical Advisory Committee (TAC). This input will be used by the TAC in finalizing the vision statement. Following are the results of the voting:

<u>Draft vision statement</u>	<u>Votes</u>
“Improve road safety within the region by reducing traffic fatalities and serious injury crashes on all public roadways through implementation of effective countermeasures”	2
“Reduce the number of fatal and serious injury crashes throughout the region by using a data-driven process”	7
“Improve the quality of life within the region by reducing transportation facilities and serious injury crashes on all public roadways through implementation of effective countermeasures”	19

Emphasis Areas

Emphasis Areas for the Plan will be developed based primarily on the crash data analysis. The State SHSP has twelve Emphasis Areas, and the SCMPO STSP Emphasis Areas will connect to the State’s plan as appropriate.

Schedule

The schedule for Plan’s development over the next year was discussed, with a first round of Public Meetings anticipated in November. The next stakeholder’s meeting is anticipated in early spring 2016.

Next Steps

Next tasks include:

- Determine emphasis areas
- Develop safety strategies
- Conduct network screening for project prioritization
- Identify and develop safety projects

Sun Corridor MPO Strategic Transportation Safety Plan Stakeholder Workshop

**Central Arizona College, Community Room, Building M
8470 N. Overfield Road, Coolidge
September 16, 2015 – 9:00 AM to 11:30 PM**

- 1. Welcome and Introductions**
- 2. What is an MPO?**
- 3. Strategic Transportation Safety Plan Objectives**
- 4. Role of Stakeholders**
- 5. Crash Data Analysis Findings**
- 6. Develop Regional Safety Vision**
- 7. Emphasis Areas**
- 8. Schedule**
- 9. Next Steps**

Sun Corridor MPO Strategic Transportation Safety Plan

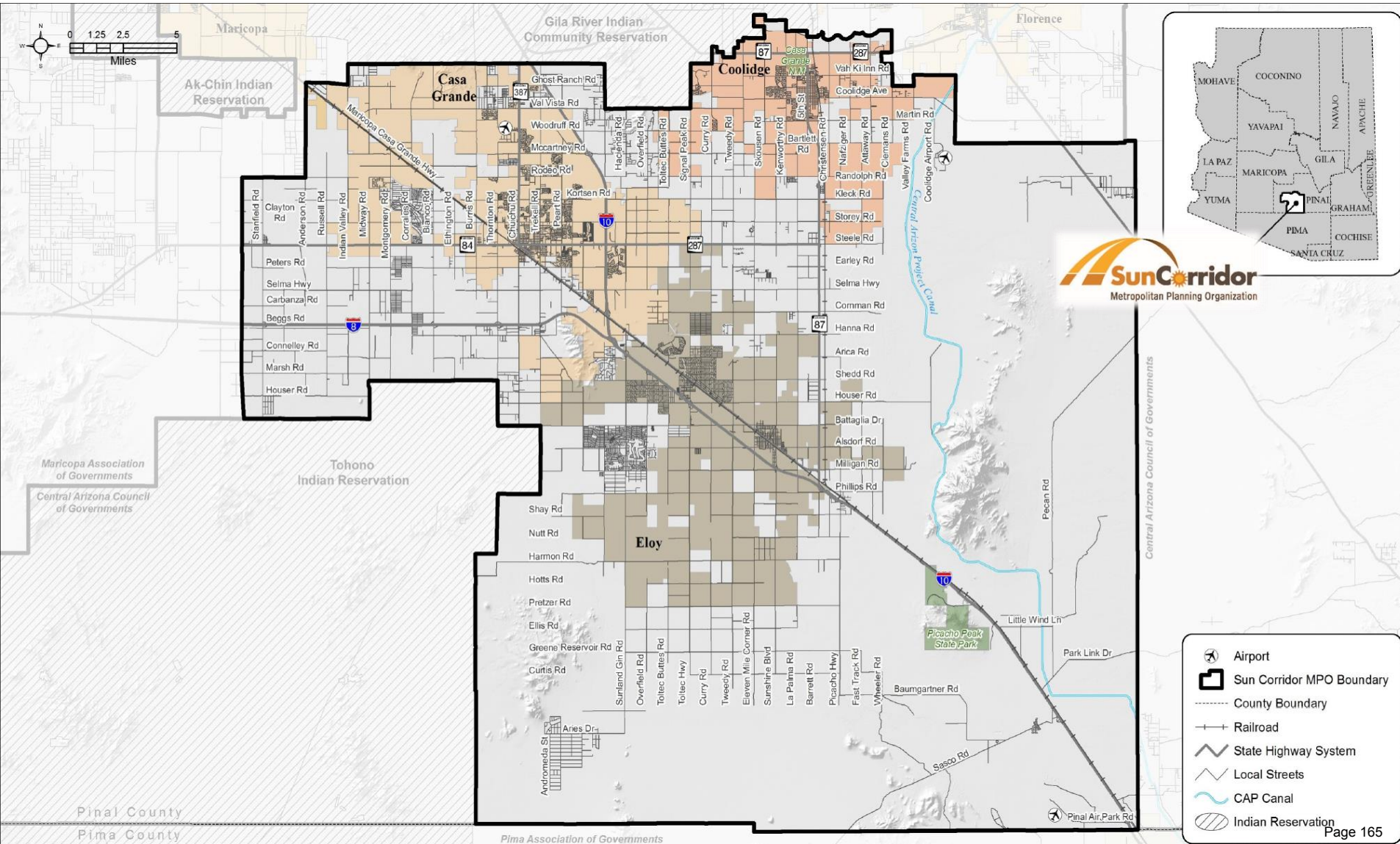
*Serving the City of Casa Grande, City of Coolidge, City of Eloy,
and the Rural-Small Urban Areas of Pinal County*

Stakeholder Workshop
September 16, 2015

Agenda

- ▶ Welcome and Introductions
- ▶ What is an MPO?
- ▶ Strategic Transportation Safety Plan Objectives
- ▶ Role of Stakeholders
- ▶ Crash Data Analysis Findings
- ▶ Develop Regional Safety Vision
- ▶ Emphasis Areas
- ▶ Schedule
- ▶ Next Steps

SUN CORRIDOR MPO BOUNDARIES

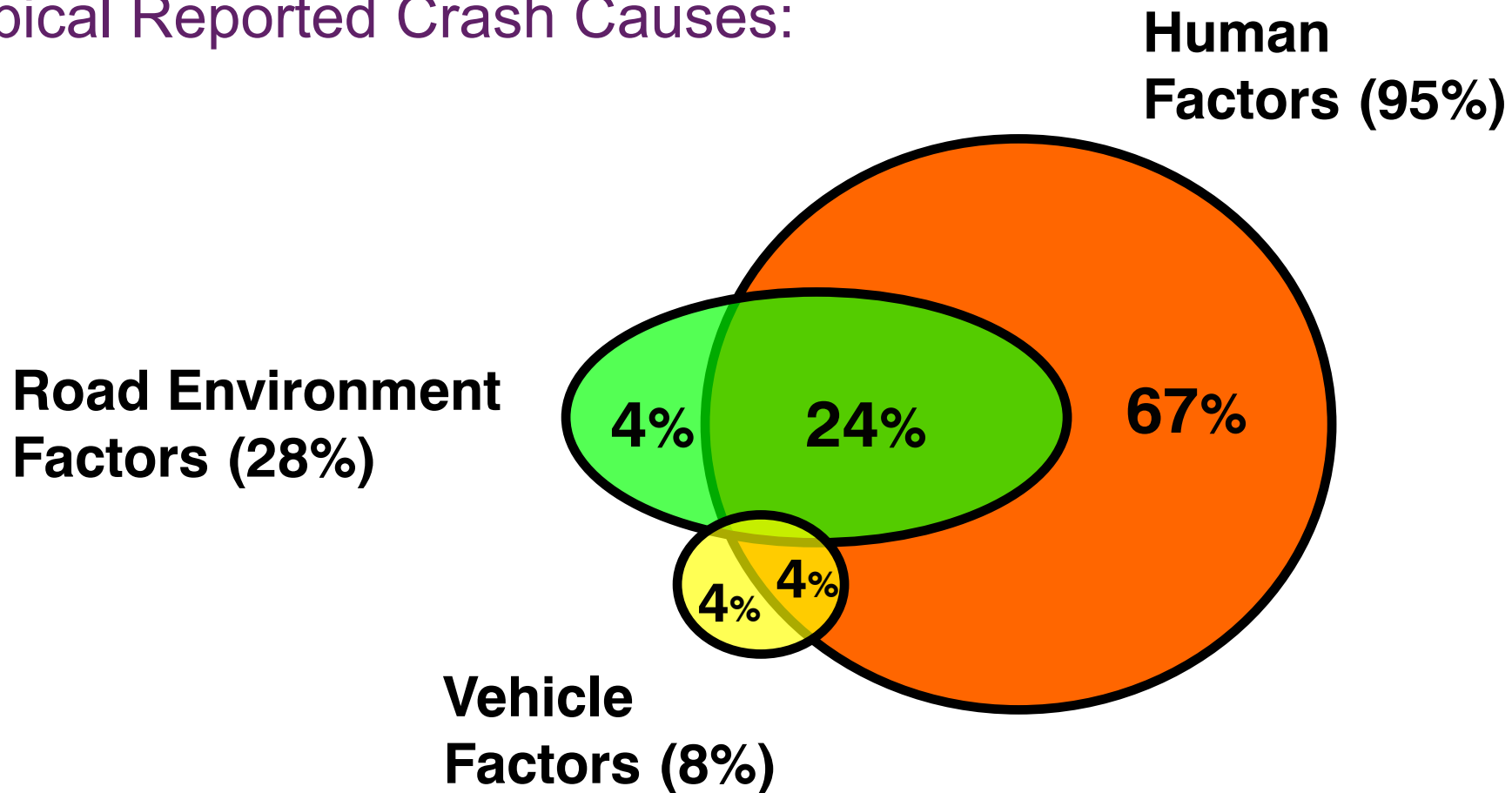


Regional Transportation Safety Plan Objectives

- ▶ Develop Regional Strategic Transportation Safety Plan (STSP) that incorporates the 4 E's of transportation safety:
 - ▶ Engineering
 - ▶ Enforcement
 - ▶ Education
 - ▶ Emergency services
- ▶ Establish regional vision, goals, emphasis areas, strategies, performance measures, and safety projects
- ▶ Coordinate with the Arizona Strategic Highway Safety Plan . . . Ensure “compatibility” with federal requirements
- ▶ **Ultimate goal – save lives and reduce serious injuries**

Why Use the 4 E's?

Typical Reported Crash Causes:



STSP Stakeholders' Roles

- ▶ Provide input into development of STSP
- ▶ Help identify safety issues and locations
- ▶ Help develop safety countermeasures
- ▶ Help implement the plan's recommendations
- ▶ Champion the STSP!

Crash Data Analysis

Sun Corridor MPO Crash Data Overview

Regional crashes for 10 years (2005 – 2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes
- ▶ 2,021 non-incapacitating injury crashes
- ▶ 2,276 possible injury crashes
- ▶ 11,345 no injury crashes



Crash Map Exercise

Crash Data Analysis Handout

SCMPO REGION

Crash Severity by Year

Year	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
2005	35	95	311	239	1399	2079
2006	39	101	219	330	1434	2123
2007	25	92	237	282	1398	2034
2008	23	70	203	242	1240	1778
2009	20	62	145	158	926	1311
2010	20	38	184	205	1022	1469
2011	30	49	200	201	1051	1531
2012	19	51	160	226	975	1431
2013	21	45	186	187	978	1417
2014	11	37	176	206	922	1352
Total	243	640	2021	2276	11345	16525

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	120	284	673	447	2931	4455
Rear End	13	93	435	756	3060	4357
Angle	19	88	330	459	1515	2411
Sideswipe Same Direction	11	29	108	99	1427	1674
Left Turn	11	53	189	252	705	1210
Other	10	18	61	67	595	751
Rear To Side	0	0	6	8	509	523
Sideswipe Opposite Direction	1	7	32	30	205	275
Head On	26	20	35	31	113	225
Pedalcycle	2	13	73	69	48	205
Pedestrian	30	32	65	39	34	200
Unknown	0	2	12	16	152	182
Rear To Rear	0	1	2	3	51	57
Total	243	640	2021	2276	11345	16525

Crash Type by Agency Boundary

Agency	Angle	Head On	Left Turn	Other	Pedalcycle	Pedestrian	Rear End	Rear To Rear	Rear To Side	Sideswipe Opposite Direction	Sideswipe Same Direction	Single Vehicle	Unknown	Total
Casa Grande	1536	124	907	319	159	126	2765	37	296	157	843	1521	134	8924
Pinal County	265	37	86	247	13	20	769	5	43	42	466	1883	15	3891
Coolidge	371	33	148	83	21	28	403	10	113	47	159	413	17	1846
Eloy	200	22	46	91	9	21	321	5	55	22	189	579	12	1572
Arizona City	39	9	23	11	3	5	99	0	16	7	17	59	4	292
Total	2411	225	1210	751	205	200	4357	57	523	275	1674	4455	182	16525

Crash Severity by Agency Boundary

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
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Total	243	640	2021	2276	11345	16525

Roads with Most Fatal Crashes

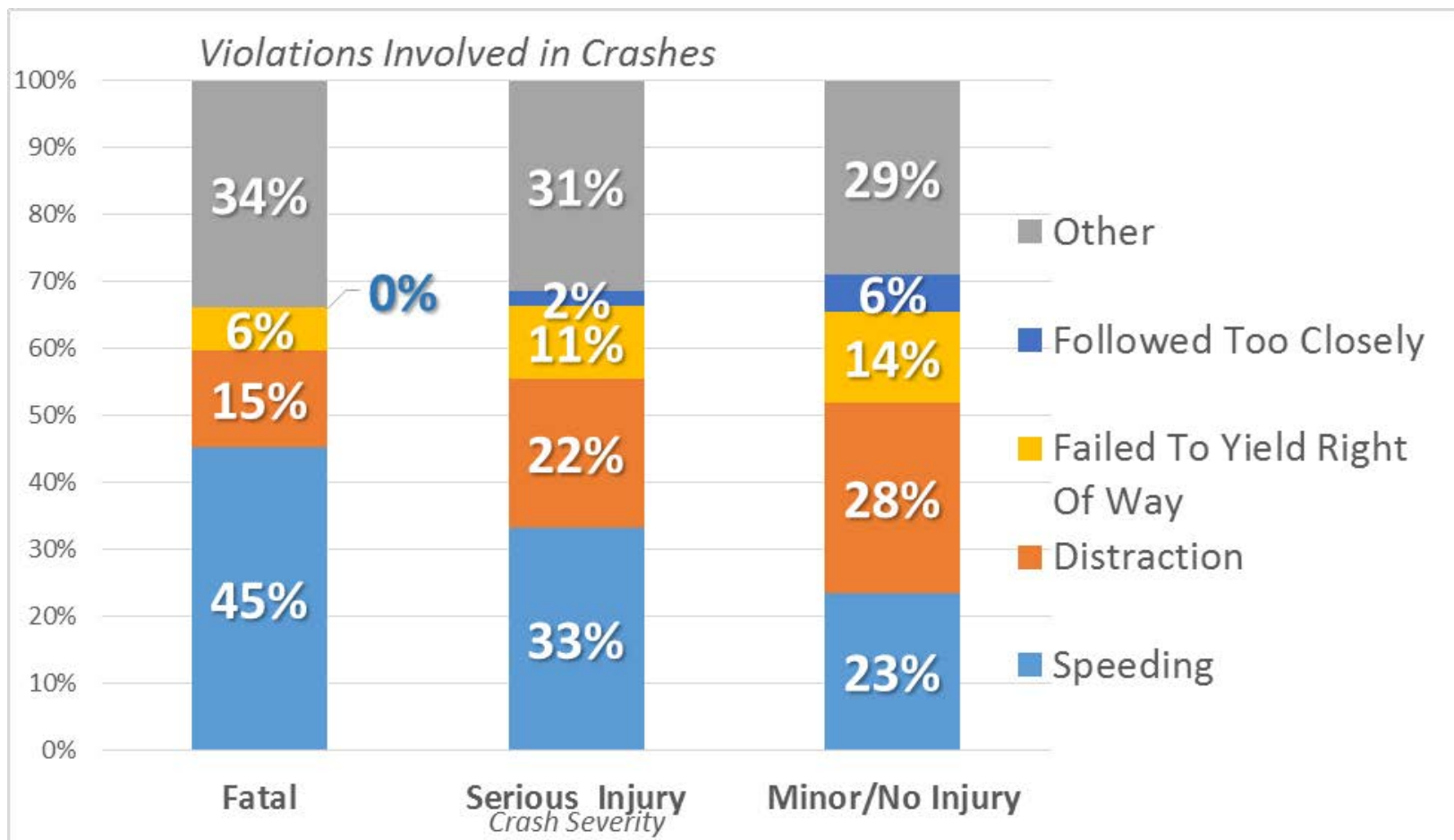
Onroad	Fatal
Interstate 10	89
Florence Blvd	15
Interstate 8	9
State Route 87	8
State Route 287	7
Maricopa Casa Grande	6
Pinal Ave	5
Sunshine Blvd	4
Mccartney Rd	4
Selma Hwy	3
Trekell Rd	3
Frontier St	3
Coolidge Ave	3
Sunland Gin Rd	3
Overfield Rd	3
Alsdorf Rd	3
Attaway Rd	3
Kleck Rd	3
Chuichu Rd	2
Battaglia Dr	2

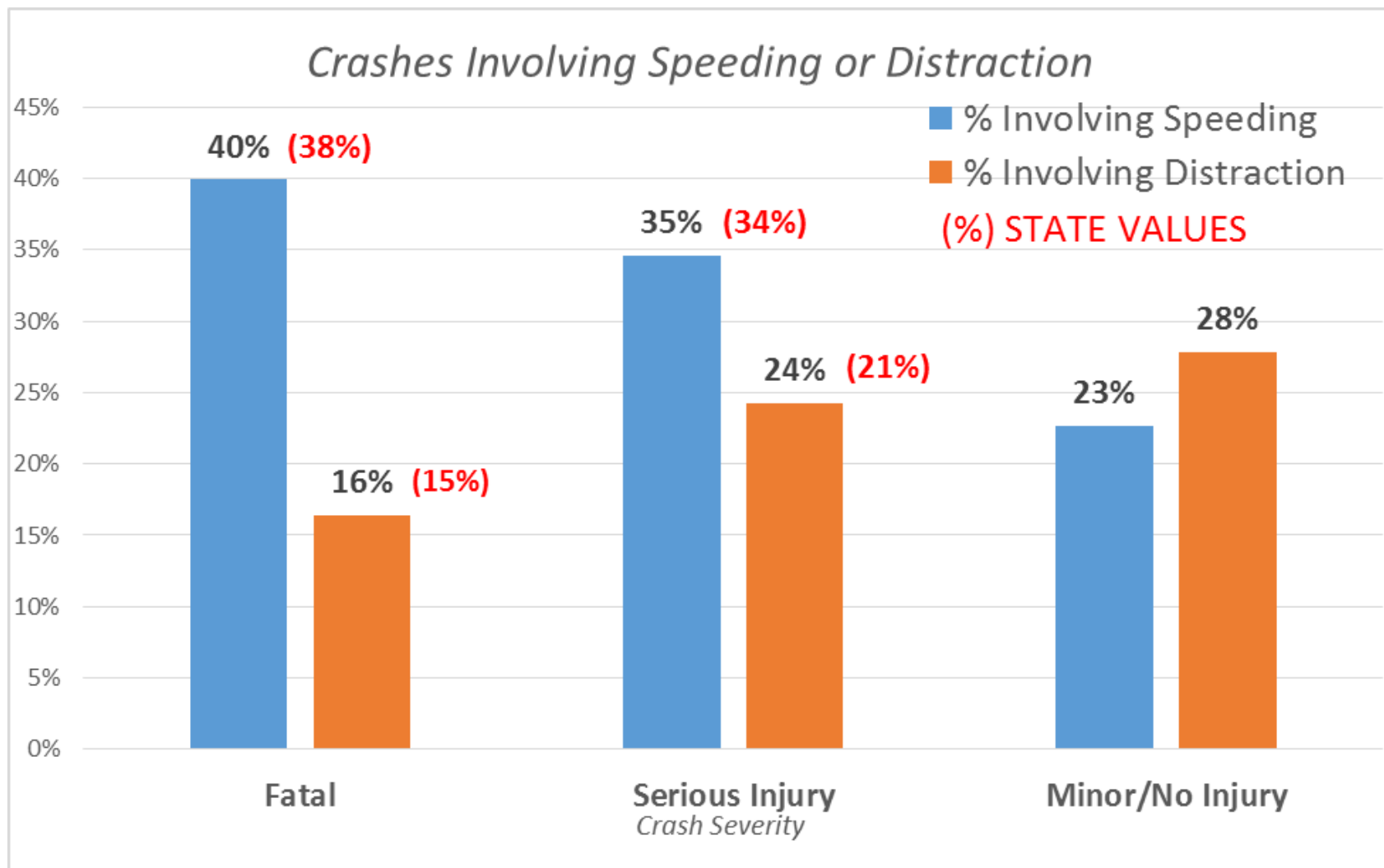
Roads with Most Crashes

Onroad	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Interstate 10	89	178	489	252	2324	3332
Florence Blvd	15	37	211	394	1443	2100
Pinal Ave	5	33	125	147	522	832
Trekell Rd	3	14	97	131	477	722
Cottonwood Ln	1	10	83	101	370	565
State Route 87	8	37	72	73	234	424
Arizona Blvd	0	11	38	63	302	414
Pearl Rd	1	5	36	78	247	367
Sunland Gin Rd	3	16	22	66	208	315
State Route 287	7	25	45	44	172	293
Arizola Rd	0	6	26	36	181	249
State Route 84	2	14	38	36	140	230
Interstate 8	9	21	34	18	141	223
Mcmurray Blvd	0	1	20	39	135	195
Mccartney Rd	4	4	23	31	131	193
Kortsen Rd	1	3	25	32	129	190
Battaglia Dr	2	2	23	33	105	165
Coolidge Ave	3	7	11	19	99	139
2nd St	0	0	10	17	105	132
Main St	0	2	11	14	104	131

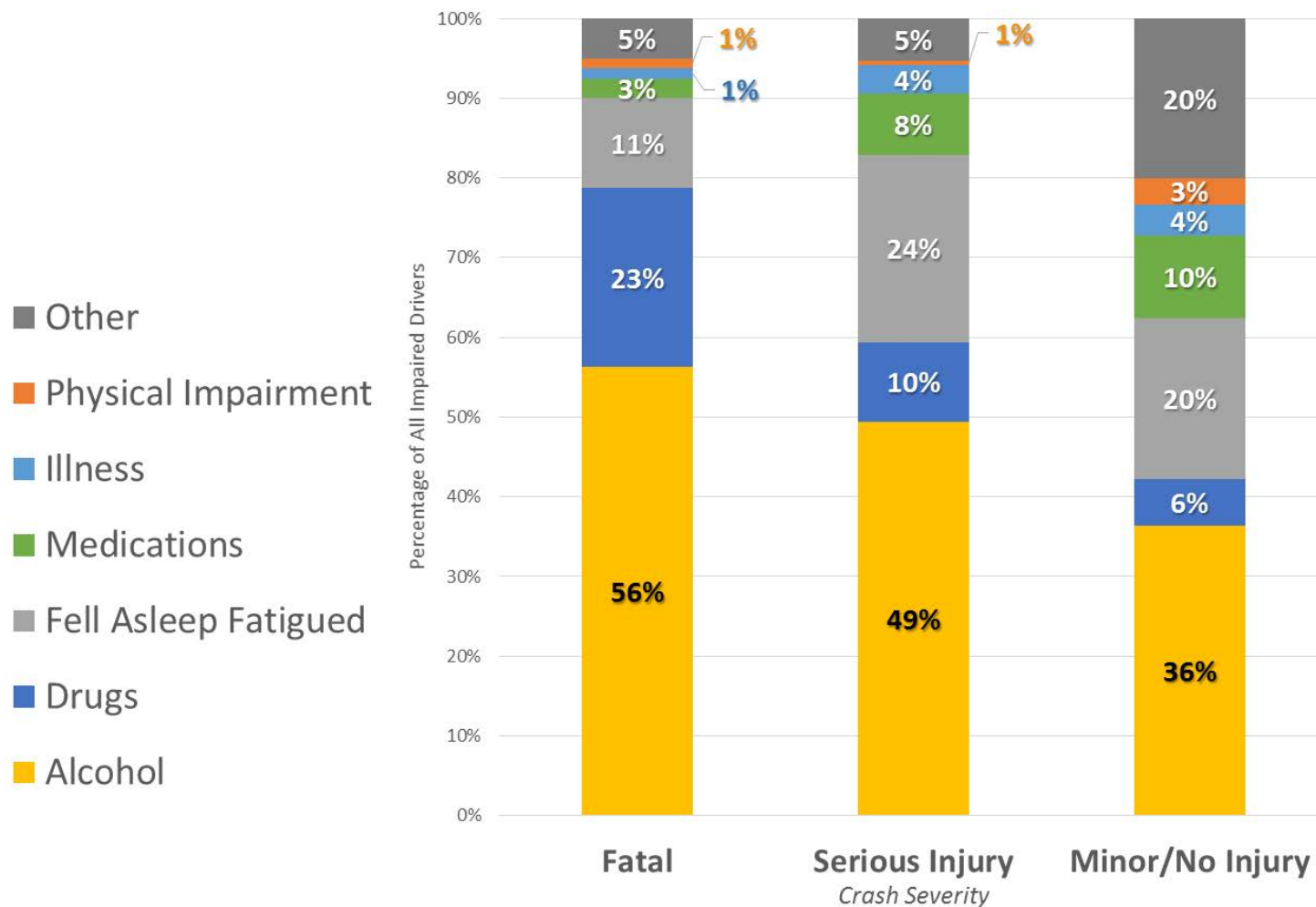
Most Frequent First Harmful Event

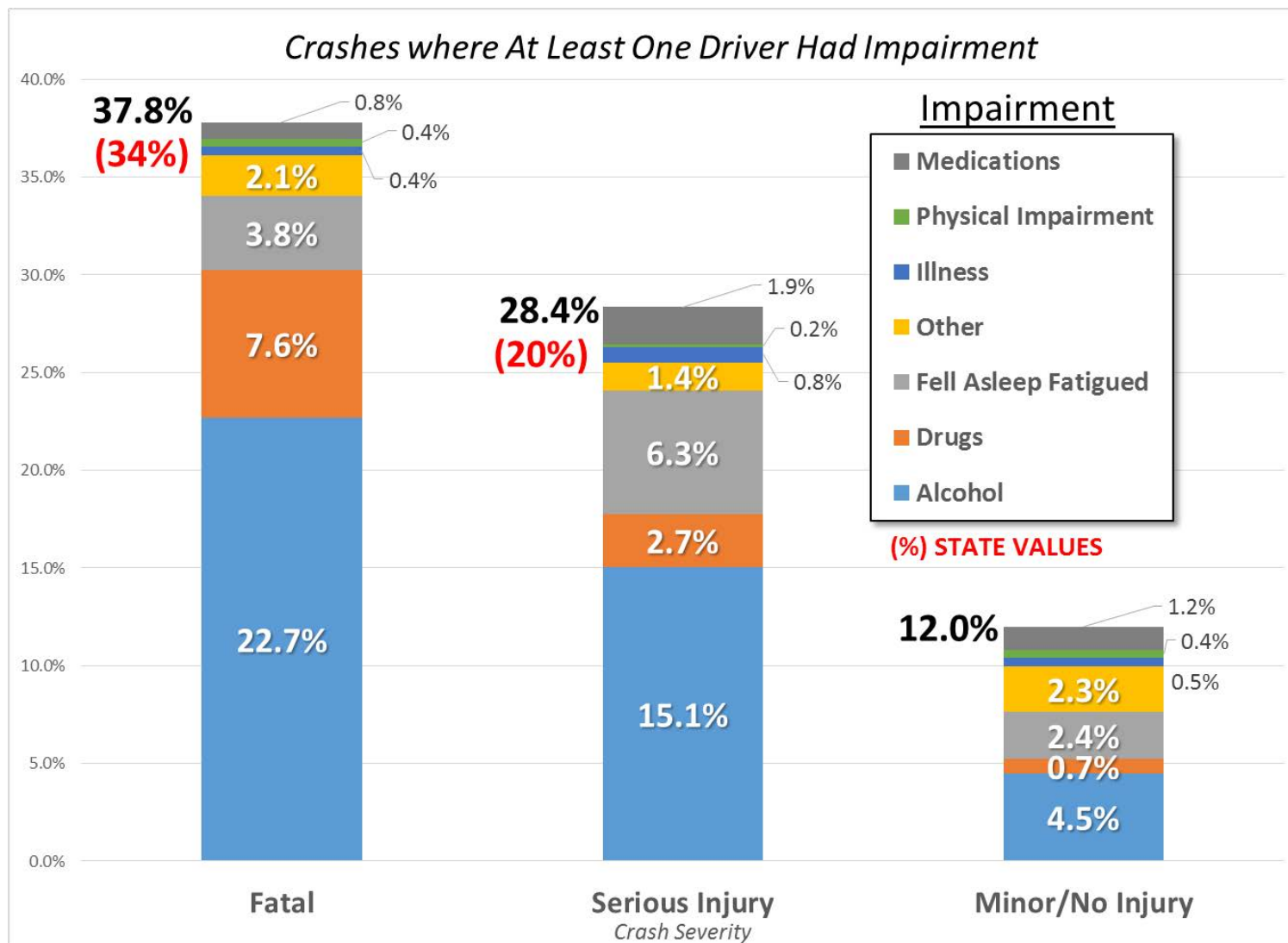
Event First Harmful	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Motor Vehicle In Transport	84	286	1128	1618	7145	10261
Overturn Rollover	80	160	361	171	419	1191
Parked Motor Vehicle	0	6	28	28	801	863
Other Fixed Object	4	25	39	51	319	438
Other Non Fixed Object	2	3	13	17	382	417
Fence	5	11	34	24	317	391
Other Non Collision	0	15	32	32	200	279
Traffic Sign Support	3	8	10	15	206	242
Utility Pole Light Support	2	8	45	27	156	238
Tree Bush Stump Standing	3	13	26	26	150	218
Pedalcycle	2	13	73	69	48	205
Pedestrian	30	32	65	39	34	200
Curb	1	9	14	15	105	144
Guardrail Face	5	7	22	8	98	140
Fire Explosion	0	0	0	2	127	129
Concrete Traffic Barrier	4	5	11	9	72	101
Ditch	1	7	19	17	50	94
Unknown	5	1	8	3	59	76
Embankment	1	5	9	9	38	62
Other Post Pole Or Support	1	3	5	9	42	60
Animal Livestock	0	0	7	4	46	57
Cargo Equipment Loss Shift	0	0	1	1	43	45
Fell Jumped From Vehicle	2	5	11	5	7	30
Animal Wild Non Game	0	1	1	0	27	29

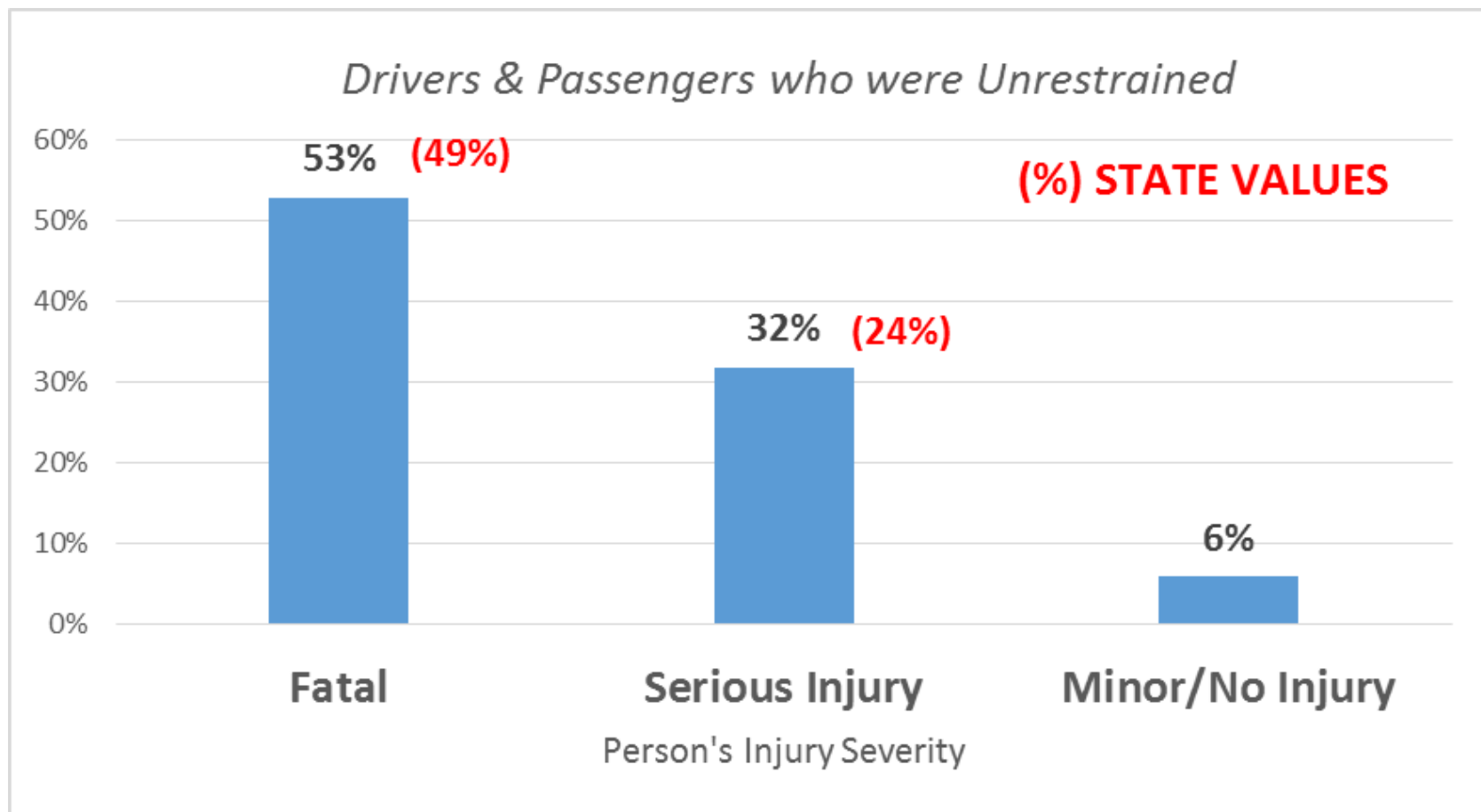


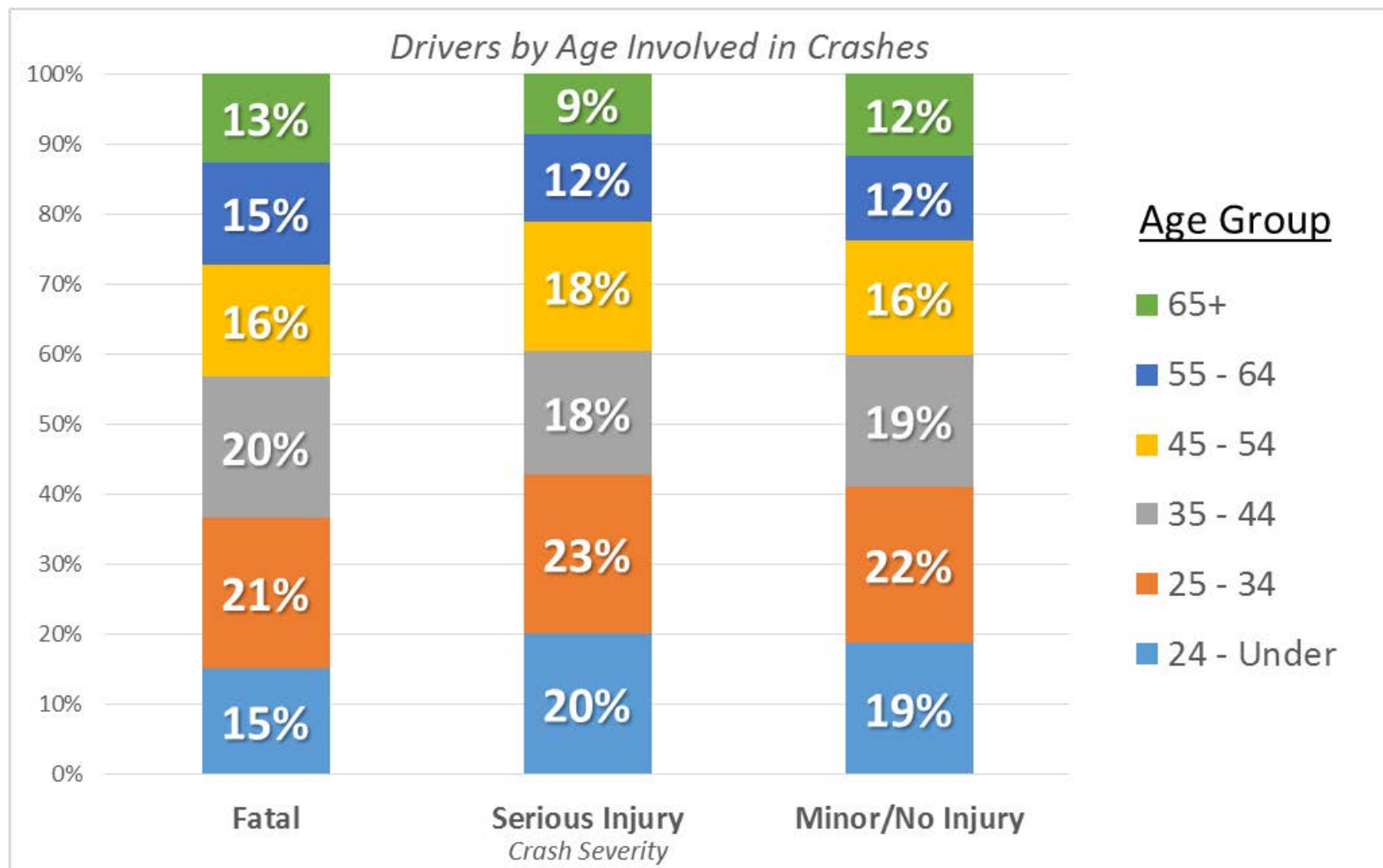


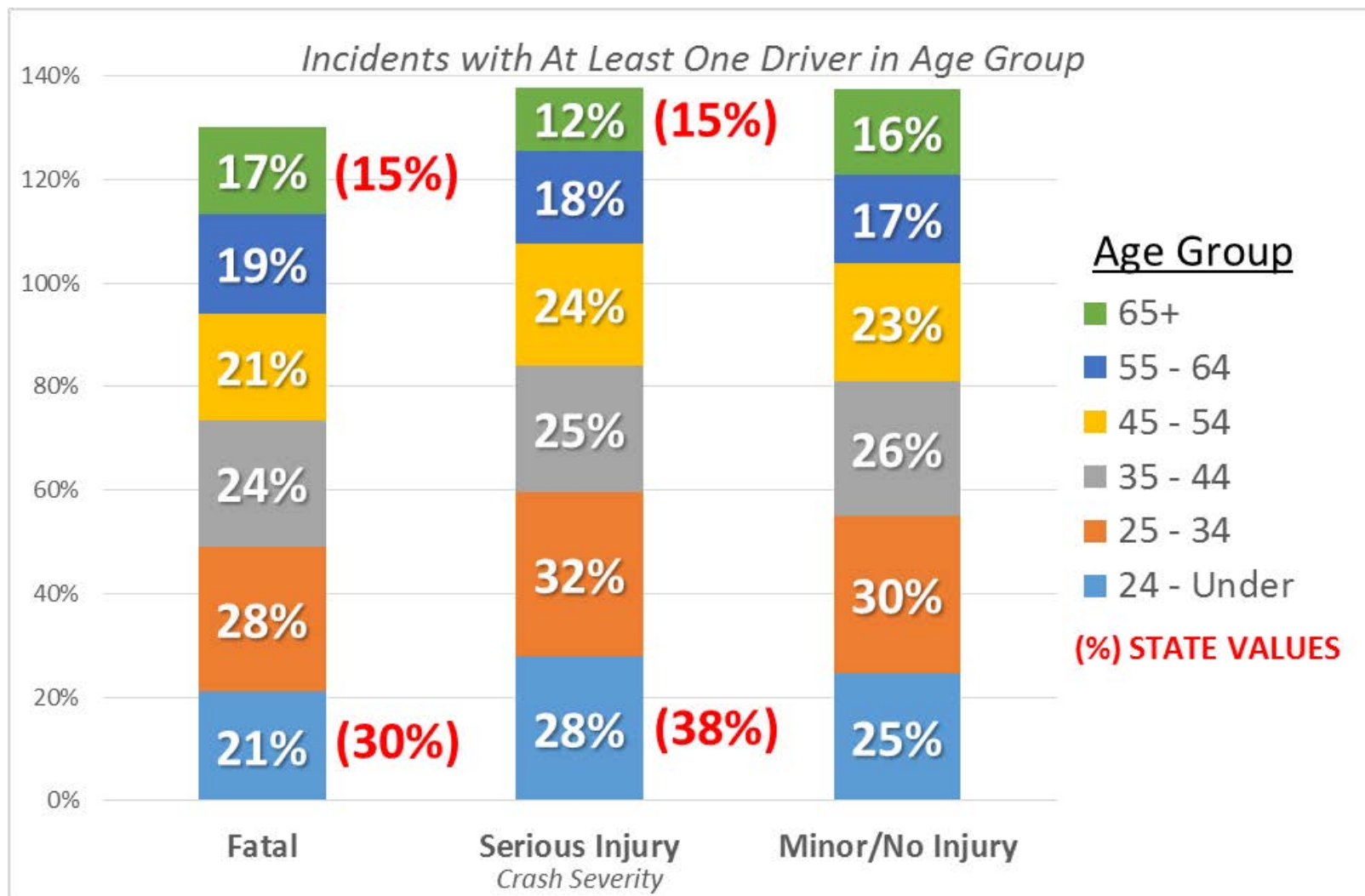
Impaired Drivers by Impairment Type and Crash Severity

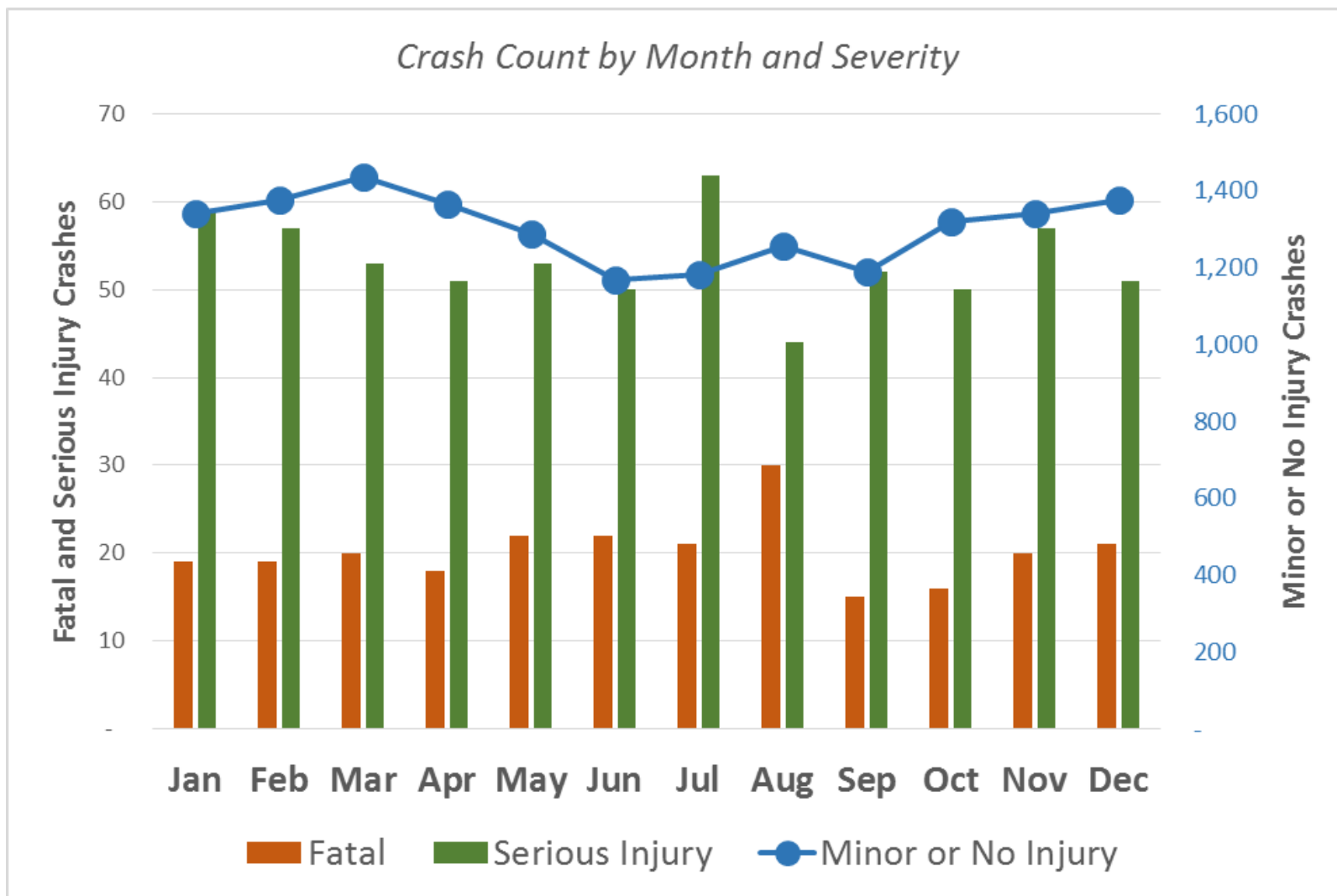


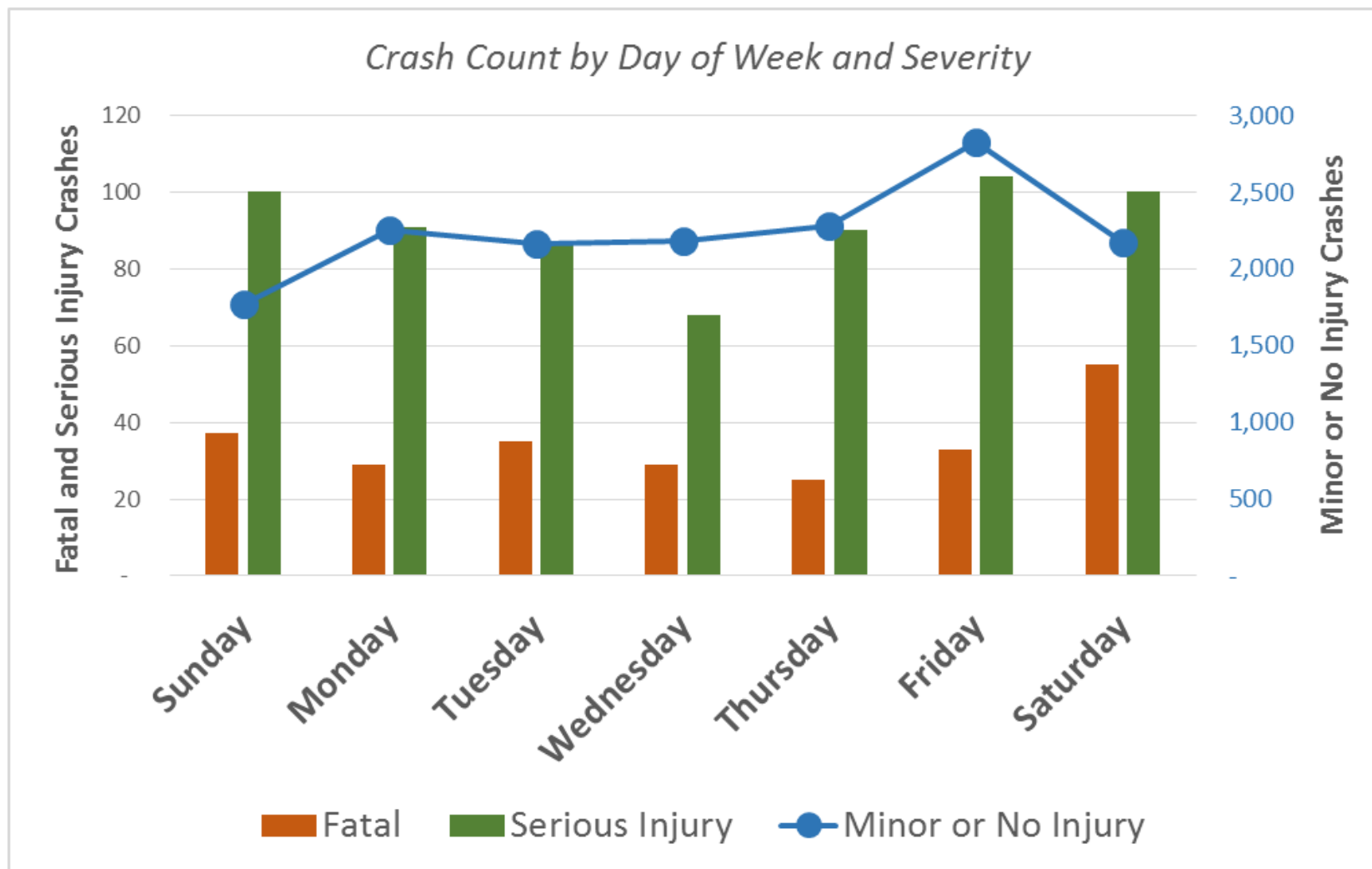


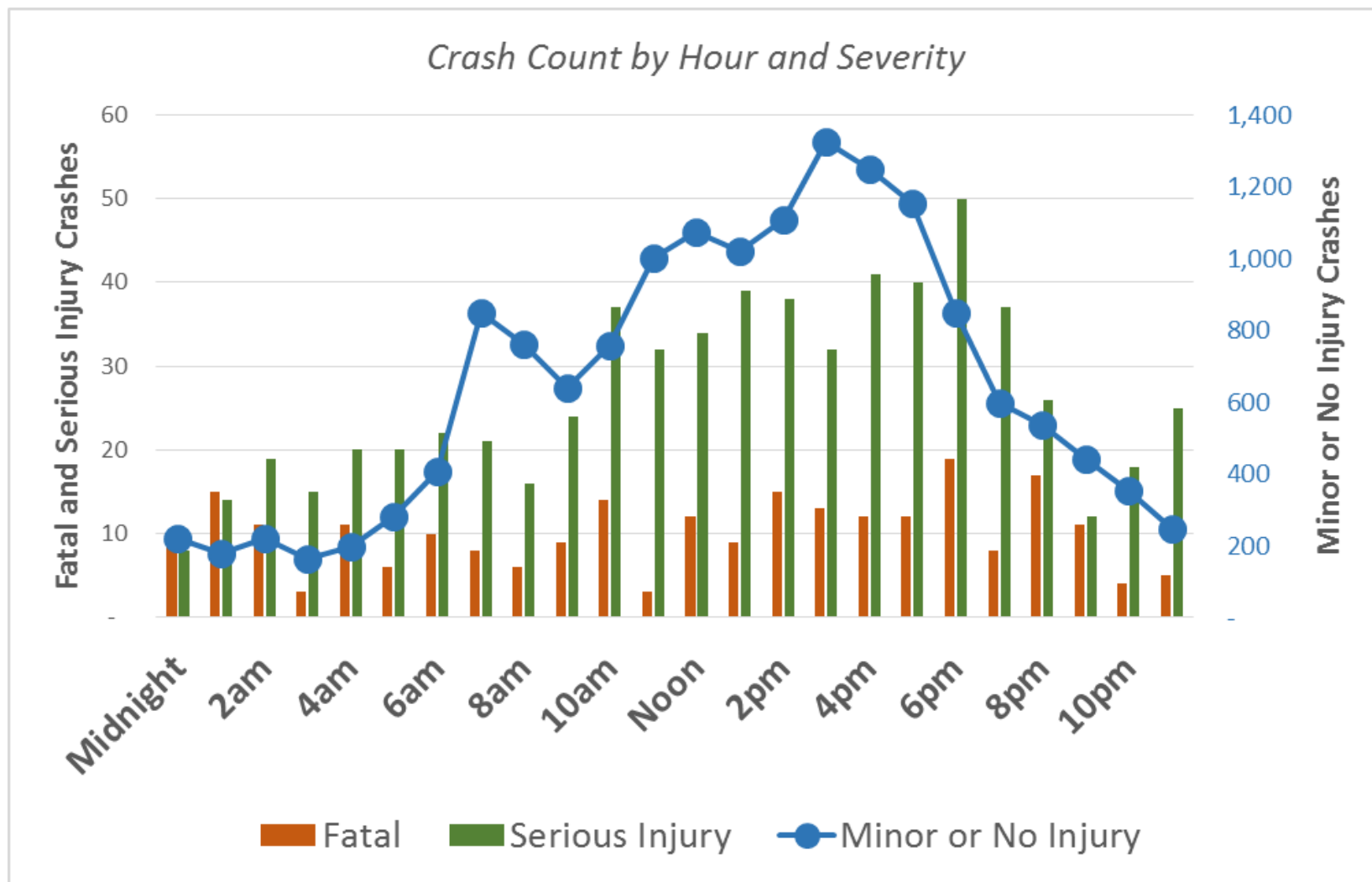












CASA GRANDE

Year	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
2005	9	29	160	151	709	1058
2006	8	21	108	180	721	1038
2007	8	30	135	176	798	1147
2008	3	25	101	145	670	944
2009	3	20	61	88	472	644
2010	9	12	78	132	551	782
2011	11	17	98	118	576	820
2012	7	24	84	136	616	867
2013	5	20	109	115	580	829
2014	5	15	85	151	539	795
Total	68	213	1019	1392	6232	8924

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Rear End	4	23	236	512	1990	2765
Angle	7	35	208	302	984	1536
Single Vehicle	25	84	229	149	1034	1521
Left Turn	7	31	142	192	535	907
Sideswipe Same Direction	3	10	32	46	752	843
Other	0	2	28	40	249	319
Rear To Side	0	0	3	8	285	296
Pedalcycle	1	5	58	56	39	159
Sideswipe Opposite Direction	0	1	15	21	120	157
Unknown	0	1	6	15	112	134
Pedestrian	16	12	42	28	28	126
Head On	5	9	18	21	71	124
Rear To Rear	0	0	2	2	33	37
Grand Total	68	213	1019	1392	6232	8924

Roads with Most Fatal Crashes

Onroad	Fatal
Interstate 10	16
Florence Blvd	15
Pinal Ave	5
Maricopa Casa Grande Hwy	3
Interstate 8	3
State Route 387	2
Florence St	2
State Route 84	2
Trekell Rd	2
State Route 287	2
Mccartney Rd	2
Interstate 8 Exit 178 A-Ramp	1
Thornton Rd	1
Kortsen Rd	1
Agave Ln	1
Val Vista Blvd	1
Peart Rd	1
Isom Rd	1
Peters Rd	1
Storey Rd	1
Cottonwood Ln	1

Roads with Most Crashes

Onroad	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Florence Blvd	15	35	208	393	1434	2085
Pinal Ave	5	31	122	139	504	801
Trekell Rd	2	13	95	128	465	703
Interstate 10	16	27	98	57	449	647
Cottonwood Ln	1	8	79	97	359	544
Pearl Rd	1	5	34	77	240	357
Arizola Rd	0	6	26	36	173	241
Mcmurray Blvd	0	1	20	39	135	195
Kortsen Rd	1	3	20	28	117	169
Mccartney Rd	2	2	19	23	94	140
2nd St	0	0	10	16	99	125
State Route 84	2	2	12	17	76	109
Casa Grande Ave	0	1	15	12	72	100
Colorado St	0	0	13	14	66	93
Maricopa Casa Grande Hwy	3	8	14	18	39	82
State Route 287	2	9	12	5	52	80
Rodeo Rd	0	0	7	9	56	72
Florence St	2	1	8	9	52	72
Thornton Rd	1	3	10	10	44	68
Pueblo Dr	0	3	4	9	43	59

Most Frequent First Harmful Event

First Harmful Event	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Motor Vehicle In Transport	26	108	647	1084	4472	6337
Parked Motor Vehicle	0	1	14	20	469	504
Overturn Rollover	15	27	89	41	102	274
Other Fixed Object	2	8	22	19	160	211
Pedalcycle	1	5	58	56	39	159
Fence	0	3	11	14	110	138
Pedestrian	16	12	42	28	28	126
Other Non Fixed Object	0	1	7	6	101	115
Traffic Sign Support	0	2	4	7	100	113
Utility Pole Light Support	0	3	27	13	68	111
Curb	1	7	11	13	79	111
Other Non Collision	0	6	18	13	43	80
Tree Bush Stump Standing	0	3	9	7	50	69
Guardrail Face	1	3	9	2	33	48
Ditch	1	5	6	11	23	46
Fire Explosion	0	0	0	0	27	27
Other Post Pole Or Support	0	1	2	3	16	22
Embankment	0	3	1	2	16	22
Concrete Traffic Barrier	0	1	2	0	17	20
Traffic Signal Support	0	3	1	2	10	16
Guardrail End	0	1	5	1	8	15
Unknown	2	0	1	0	11	14
Animal Pet	0	1	1	1	10	13
Fell Jumped From Vehicle	0	2	4	3	2	11

COOLIDGE

Crash Severity by Year

Year	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
2005	5	12	26	21	155	219
2006	4	21	21	31	182	259
2007	1	14	24	40	170	249
2008	3	7	26	28	125	189
2009	2	7	17	18	118	162
2010	3	4	21	23	118	169
2011	1	8	15	27	101	152
2012	1	3	14	32	100	150
2013	1	7	12	22	109	151
2014	1	2	19	23	101	146
Total	22	85	195	265	1279	1846

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	8	19	51	57	278	413
Rear End	1	16	36	69	281	403
Angle	1	26	45	65	234	371
Sideswipe Same Direction	1	1	12	10	135	159
Left Turn	4	6	19	31	88	148
Rear To Side	0	0	0	0	113	113
Other	1	3	3	9	67	83
Sideswipe Opposite Direction	0	1	7	4	35	47
Head On	4	5	6	3	15	33
Pedestrian	2	5	10	8	3	28
Pedalcycle	0	3	3	9	6	21
Unknown	0	0	3	0	14	17
Rear To Rear	0	0	0	0	10	10
Total	22	85	195	265	1279	1846

Roads with Most Fatal Crashes

Onroad	Fatal
State Route 87	5
Attaway Rd	3
State Route 287	3
Coolidge Ave	2
Signal Peak Rd	1
Eleven Mile Corner Rd	1
Sunshine Blvd	1
Highway 87	1
Storey Rd	1
Kenilworth Rd	1
Tweedy Rd	1
Macrae Rd	1
Picacho St	1
Total	22

Roads with Most Crashes

Onroad	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Arizona Blvd	0	11	38	63	300	412
State Route 87	5	20	39	47	137	248
State Route 287	3	12	18	28	80	141
Coolidge Ave	2	7	8	18	82	117
Vah Ki Inn Rd	0	2	12	9	49	72
Attaway Rd	3	3	6	7	41	60
Central Ave	0	1	2	6	47	56
Skousen Rd	0	3	4	10	27	44
Northern Ave	0	1	4	5	30	40
Woodruff Rd	0	8	5	6	21	40
Main St	0	0	3	4	33	40
Eleven Mile Corner Rd	1	4	10	6	15	36
Martin Rd	0	2	2	3	18	25
4th St	0	1	0	5	17	23
Roosevelt Ave	0	0	0	0	19	19
Randolph Rd	0	1	2	5	10	18
Macrae Rd	1	0	2	2	12	17
Kenworthy Rd	0	0	4	3	9	16
Harding Ave	0	1	1	0	13	15
Bartlett Rd	0	1	0	3	10	14

Most Frequent First Harmful Event

First Harmful Event	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Motor Vehicle In Transport	12	55	121	182	811	1181
Parked Motor Vehicle	0	2	8	4	156	170
Overturn Rollover	5	10	25	17	37	94
Other Fixed Object	1	4	1	6	49	61
Utility Pole Light Support	0	0	7	5	37	49
Fence	0	0	1	0	36	37
Traffic Sign Support	0	1	0	3	27	31
Other Non Collision	0	3	4	8	14	29
Pedestrian	2	5	10	8	3	28
Pedalcycle	0	3	3	9	6	21
Other Non Fixed Object	1	0	1	3	14	19
Ditch	0	0	5	4	7	16
Embankment	0	0	1	5	7	13
Other Post Pole Or Support	1	1	1	2	6	11
Tree Bush Stump Standing	0	0	2	1	7	10
Curb	0	0	0	1	7	8
Guardrail Face	0	0	0	0	6	6
Fell Jumped From Vehicle	0	0	2	2	2	6
Animal Livestock	0	0	0	1	3	4
Cargo Equipment Loss Shift	0	0	0	0	4	4

Crash Severity by Year

Year	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
2005	4	14	31	14	160	223
2006	4	13	17	32	147	213
2007	5	14	17	24	141	201
2008	5	4	22	25	118	174
2009	2	4	15	16	92	129
2010	1	9	21	15	96	142
2011	3	4	21	21	103	152
2012	2	4	11	12	71	100
2013	3	2	16	19	74	114
2014	1	8	22	10	83	124
Total	30	76	193	188	1085	1572

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	17	40	89	64	369	579
Rear End	0	8	34	48	231	321
Angle	3	5	28	36	128	200
Sideswipe Same Direction	2	3	22	12	150	189
Other	1	0	7	8	75	91
Rear To Side	0	0	1	0	54	55
Left Turn	0	4	4	7	31	46
Head On	3	2	1	3	13	22
Sideswipe Opposite Direction	0	2	2	3	15	22
Pedestrian	4	9	3	3	2	21
Unknown	0	0	0	0	12	12
Pedalcycle	0	3	2	3	1	9
Rear To Rear	0	0	0	1	4	5
Total	30	76	193	188	1085	1572

Roads with Most Fatal Crashes

Onroad	Fatal
Interstate 10	11
Frontier St	3
Sunshine Blvd	3
Estrella Rd	2
Alsdorf Rd	2
Frontier Rd	1
Namaka Dr	1
Interstate 10 Exit 203 J-Ramp	1
Toltec Rd	1
Selma Hwy	1
Battaglia Dr	1
D St	1
Interstate 10 Exit 203 C-Ramp	1
Houser Rd	1
Total	30

Roads with Most Crashes

Onroad	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Interstate 10	11	28	77	39	404	559
Sunland Gin Rd	0	6	11	33	112	162
Frontier St	3	4	14	18	55	94
Battaglia Dr	1	1	12	14	43	71
Sunshine Blvd	3	2	5	7	53	70
Main St	0	1	3	2	39	45
Eleven Mile Corner Rd	0	3	8	7	24	42
Alsdorf Rd	2	3	3	4	22	34
Toltec Rd	1	1	6	5	17	30
Toltec Hwy	0	3	3	2	17	25
Interstate 10 Exit 200 A-Ramp	0	2	2	5	11	20
Houser Rd	1	2	4	3	7	17
Shedd Rd	0	2	1	4	9	16
11th St	0	1	0	1	13	15
Phoenix Ave	0	0	1	2	11	14
Hanna Rd	0	1	2	2	6	11
Estrella Rd	2	1	1	1	6	11
Interstate 10 Exit 200 C-Ramp	0	0	0	0	11	11
Interstate 10 Exit 203 C-Ramp	1	0	4	0	5	10
D St	1	0	0	0	9	10

Most Frequent First Harmful Event

First Harmful Event	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Motor Vehicle In Transport	8	23	94	107	585	817
Overturn Rollover	12	28	52	32	58	182
Parked Motor Vehicle	0	0	1	1	95	97
Other Non Fixed Object	1	0	2	4	68	75
Other Fixed Object	0	2	4	7	36	49
Other Non Collision	0	1	2	2	35	40
Utility Pole Light Support	2	2	6	2	26	38
Fence	1	0	5	2	29	37
Traffic Sign Support	1	3	1	1	19	25
Tree Bush Stump Standing	0	0	2	4	15	21
Pedestrian	4	9	3	3	2	21
Fire Explosion	0	0	0	1	15	16
Concrete Traffic Barrier	1	1	3	3	8	16

PINAL COUNTY

Crash Severity by Year

Year	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
2005	15	35	91	47	343	531
2006	23	45	64	85	366	583
2007	10	33	60	40	285	428
2008	12	32	51	40	303	438
2009	12	30	51	35	232	360
2010	6	13	61	27	232	339
2011	14	17	63	31	259	384
2012	9	20	47	35	168	279
2013	12	14	45	24	191	286
2014	4	10	48	18	183	263
Total	117	249	581	382	2562	3891

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	66	135	296	169	1217	1883
Rear End	8	42	123	101	495	769
Sideswipe Same Direction	5	15	40	31	375	466
Angle	7	21	46	49	142	265
Other	8	13	22	9	195	247
Left Turn	0	10	19	17	40	86
Rear To Side	0	0	2	0	41	43
Sideswipe Opposite Direction	1	2	6	2	31	42
Head On	13	3	9	3	9	37
Pedestrian	8	5	7	0	0	20
Unknown	0	1	3	0	11	15
Pedalcycle	1	1	8	1	2	13
Rear To Rear	0	1	0	0	4	5
Grand Total	117	249	581	382	2562	3891

Roads with Most Fatal Crashes

Onroad	Fatal
Interstate 10	62
Interstate 8	6
Kleck Rd	3
Maricopa Casa Grande Hwy	3
State Route 87	3
State Route 287	2
Overfield Rd	2
Mccartney Rd	2
Skousen Rd	2
Chuichu Rd	2
Jimmie Kerr Blvd	2
State Route 79	2
Camino Adelante	1
Bell Rd	1
Camino Adelante Rd	1
Clayton Rd	1
Cactus Forest Rd	1
Alsdorf Rd	1
Bartlett Rd	1
Aries Dr	1
Total	99

Roads with Most Crashes

Onroad	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Interstate 10	62	123	314	156	1471	2126
State Route 87	3	17	33	26	97	176
Interstate 8	6	10	26	12	112	166
State Route 84	0	12	24	16	64	116
State Route 287	2	4	15	11	40	72
Chuichu Rd	2	7	10	8	29	56
Overfield Rd	2	3	6	13	25	49
Maricopa Casa Grande Hwy	3	2	8	8	28	49
Mccartney Rd	2	1	4	7	35	49
State Route 79	2	8	4	3	23	40
Jimmie Kerr Blvd	2	2	4	7	24	39
Selma Hwy	1	5	4	5	21	36
Pinal Ave	0	2	3	8	18	31
Ironwood Rd	0	0	4	4	19	27
Thornton Rd	1	3	3	3	13	23
Kortsen Rd	0	0	5	4	12	21
Cottonwood Ln	0	2	4	4	11	21
Woodruff Rd	1	1	3	3	12	20
Stanfield Rd	0	3	3	1	12	19
Camino Adelante	1	2	1	1	14	19

Most Frequent First Harmful Event

First Harmful Event	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Motor Vehicle In Transport	36	91	249	206	1155	1737
Overturn Rollover	46	92	190	79	217	624
Other Non Fixed Object	0	2	3	4	197	206
Fence	4	7	17	7	141	176
Other Non Collision	0	5	7	9	107	128
Tree Bush Stump Standing	3	9	13	14	75	114
Other Fixed Object	0	11	10	18	69	108
Fire Explosion	0	0	0	1	84	85
Guardrail Face	4	2	11	6	50	73
Traffic Sign Support	2	2	5	4	57	70
Parked Motor Vehicle	0	3	4	2	57	66
Concrete Traffic Barrier	3	3	6	6	47	65
Animal Livestock	0	0	7	3	32	42
Unknown	2	0	6	1	32	41
Utility Pole Light Support	0	3	5	6	22	36
Cargo Equipment Loss Shift	0	0	0	1	29	30
Ditch	0	1	6	0	16	23
Embankment	1	2	4	2	14	23
Other Post Pole Or Support	0	1	2	1	16	20
Animal Wild Non Game	0	1	0	0	19	20

ARIZONA CITY

Crash Severity by Year

Year	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
2005	2	5	3	6	32	48
2006	0	1	9	2	18	30
2007	1	1	1	2	4	9
2008	0	2	3	4	24	33
2009	1	1	1	1	12	16
2010	1	0	3	8	25	37
2011	1	3	3	4	12	23
2012	0	0	4	11	20	35
2013	0	2	4	7	24	37
2014	0	2	2	4	16	24
Total	6	17	33	49	187	292

Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Rear End	0	4	6	26	63	99
Single Vehicle	4	6	8	8	33	59
Angle	1	1	3	7	27	39
Left Turn	0	2	5	5	11	23
Sideswipe Same Direction	0	0	2	0	15	17
Rear To Side	0	0	0	0	16	16
Other	0	0	1	1	9	11
Head On	1	1	1	1	5	9
Sideswipe Opposite Direction	0	1	2	0	4	7
Pedestrian	0	1	3	0	1	5
Unknown	0	0	0	1	3	4
Pedalcycle	0	1	2	0	0	3
Grand Total	6	17	33	49	187	292

Roads with Most Fatal Crashes

Onroad	Fatal
Sunland Gin Rd	3
Toltec Buttes Rd	1
Battaglia Dr	1
Total	6

Roads with Most Crashes

Onroad	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Sunland Gin Rd	3	9	10	24	60	106
Battaglia Dr	1	1	11	16	59	88
Santa Cruz Blvd	0	0	2	2	5	9
Alsdorf Rd	0	0	3	1	2	6
Lamb Rd	1	1	1	1	2	6
Monaco Blvd	0	0	1	0	4	5
Tacna Rd	0	1	2	0	1	4
Durango Rd	0	1	0	0	3	4
Concordia Dr	0	0	0	0	3	3
Milligan Rd	0	0	0	0	3	3
Benito Dr	0	0	0	0	3	3
Del Rio Rd	0	1	0	0	2	3
Burma Rd	0	0	0	0	2	2
Houser Rd	0	1	0	0	1	2
Toltec Buttes Rd	1	0	0	0	1	2
Overfield Rd	0	0	0	1	1	2
Buena Vista Dr	0	0	0	1	0	1
Arvada Dr	0	0	0	1	0	1
Brenner Pass Rd	0	0	1	0	0	1
Berwick Rd	0	0	0	0	1	1
Total	6	16	31	47	159	259

Most Frequent First Harmful Event

First Harmful Event	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Motor Vehicle In Transport	2	9	17	39	122	189
Parked Motor Vehicle	0	0	1	1	24	26
Overturn Rollover	2	3	5	2	5	17
Other Fixed Object	1	0	2	1	5	9
Pedestrian	0	1	3	0	1	5
Curb	0	0	0	0	5	5
Tree Bush Stump Standing	0	1	0	0	3	4
Utility Pole Light Support	0	0	0	1	3	4
Traffic Sign Support	0	0	0	0	3	3
Other Post Pole Or Support	0	0	0	1	2	3
Fence	0	1	0	1	1	3
Pedalcycle	0	1	2	0	0	3
Fell Jumped From Vehicle	0	1	1	0	0	2
Other Non Collision	0	0	1	0	1	2
Other Non Fixed Object	0	0	0	0	2	2
Unknown	1	0	0	0	0	1
Ran Off Road Left	0	0	0	1	0	1
Ditch	0	0	0	0	1	1
Animal Livestock	0	0	0	0	1	1
Mailbox	0	0	0	0	1	1
Total	6	17	32	47	180	282

Vision Statement

Sun Corridor MPO Draft Vision Statements

“Improve road safety within the region by reduction traffic fatalities and serious injury crashes on all public roadways through implementation of effective countermeasures”

“Reduce the number of fatal and serious injury crashes throughout the region by using a data-driven process”

“Improve the quality of life within the region by reducing transportation fatalities and serious injury crashes on all public roadways through implementation of effective countermeasures”

Emphasis Areas

Top Focus Emphasis Areas in State's Safety Plan:

► **Speeding and Aggressive Driving**

► Fatal Crashes: SCMPO 40%, State 38%

► **Impaired Driving**

► Fatal Crashes: SCMPO 38%, State 34%

► **Occupant Protection**

► Fatal Crashes: SCMPO 53%, State 49%

► **Motorcycles**

► Fatal Crashes: SCMPO 8%, State 15%

► **Distracted Driving**

► Fatal Crashes: SCMPO 16%, State 15%

Emphasis Areas

Additional Emphasis Areas in State's Safety Plan:

► **Age Related**

- Fatal Crashes (under 25): SCMPO 21%, State 30%
- Fatal Crashes (over 64): SCMPO 17%, State 15%

► **Non-motorized Users**

- Pedestrian Fatalities: SCMPO 11%, State 15%
- Bicyclist Fatalities: SCMPO <1%, State 2%

► **Natural Risks**

- Weather-related Fatal Crashes: SCMPO 5%, State 4%
- Animal-involved Fatal Crashes: SCMPO 0%, State <1%

Emphasis Areas

Additional Emphasis Areas in State's Safety Plan:

▶ **Heavy Vehicles**

- ▶ Fatal Crashes: State 13%

▶ **Traffic Incident Management**

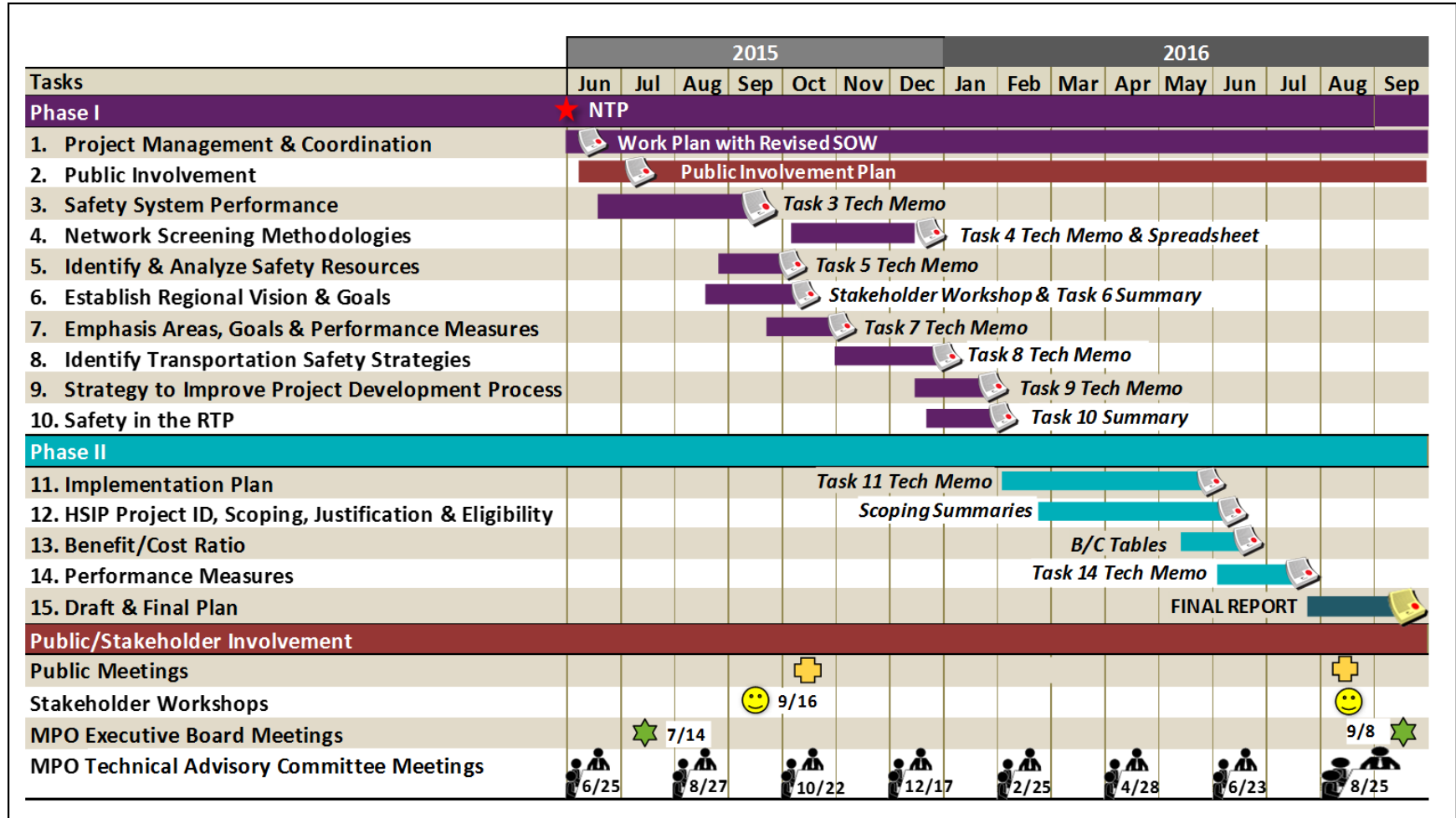
- ▶ Work Zone Fatal Crashes: State 1%

▶ **Roadway Infrastructure and Operations**

- ▶ Intersection Fatal Crashes: State 23%
- ▶ Lane Departure Fatal Crashes: State 53%

▶ **Interjurisdictional**

Schedule



Next Steps

- ▶ Determine emphasis areas
- ▶ Develop safety strategies
- ▶ Conduct network screening for project prioritization
- ▶ Identify and develop safety projects

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**Sun Corridor MPO Strategic Transportation Safety Plan
Stakeholder Workshop
September 16, 2015**

Jim R

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Mandy Alexander	Coolidge Youth Coalition	520-558-5563	ycmangalexander@gmail.com
Gwen Boyd	CYI		gwenboyd@pmail.com

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Alyssa Mittelhauser	AmeriFW		
Susanna Struble	Coolidge	520-723-6094	Sstruble@Coolidgeaz.cn
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CHARLES STRETTON	ELOY POLICE DEPT	520 466 7324	CSTRETTON@ELOYAZ.GOV
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COOLIDGE STAKEHOLDER MEETING

May 18, 2016

Stakeholder Meeting No. 2 Meeting Notes

Date of Meeting	Wednesday, May 18, 2016 – 9:00 AM to 11:30 AM
Location	Coolidge City Council Chambers 911 S Arizona Boulevard, Coolidge
Subject	Progress Meeting
Participants	SCMPO – Irene Higgs Member Agencies – Duane Eitel, Pedro Apodaca (Casa Grande), Kathy Borquez (Pinal County), Lance Dunagan (Eloy), Susanna Struble (Coolidge) ADOT – Jerry James Tohono O’odham – Steve Tipton, Alex Cruz EMS – Peter Lyon, Brandon Wessel (AMR/Southwest) Law Enforcement – Jeff Cardita, Scott Tracy (Casa Grande PD), Ralph Martinez (Coolidge PD), Wayne Cashman (Pinal County Sheriff’s Office) Health Services – Olga Delsi (Cenpatico) EPS Group – Elijah Williams Amec Foster Wheeler – Mike Blankenship, Scott Kelley Other – Virginia Delsi (Citizen)

Date of Issue June 8, 2016

The purpose of the meeting was to present the stakeholders the most recent findings of the strategic transportation safety plan (STSP); solicit feedback on data analysis; and communicate the future efforts through the completion of the plan.

1. Introductions

- Irene introduced the project and consultant team
- There were 19 in attendance

2. Vision and Goal

- The stakeholders were presented with the vision and goal for the Sun Corridor STSP.
 - Vision: “Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures”
 - Goal: “Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

3. Public Involvement

- The Social Pinpoint tool that is being used to solicit public input was demonstrated. A link to the tool is provided in the slideshow presentation below.
- At last count, approximately 140 comments had been added to the Social Pinpoint map tool. Sun Corridor has a goal of reaching 200 comments.

4. Performance Measures

- A brief summary of the new FHWA safety performance measures rule was provided.
- Sun Corridor MPO's current performance measures were provided for fatalities, serious injuries and non-motorized fatalities and serious injuries. The number of fatalities and serious injuries that need to be reduced based on the STSP goal was discussed.
- FHWA will require baseline performance to be established for 2012-2016 and targets set for 2018. MPO's will need to report these values by February 28, 2018.

5. Crash Data

- A summary of the 2005 – 2014 crash data was presented. There were a total of 243 fatal crashes causing 298 deaths in the 10 year period.
- A review of crash severity, collision manner was provided.
- A comparison of all crashes, fatal crashes and fatal + serious injury crashes was discussed. Single Vehicle crashes accounted for the highest proportion of all crashes, fatal crashes and fatal + serious injury crashes.

6. Driver Violation Mapping

- Heat maps were developed by selecting injury crashes related to driver violations of impairment, lack of restraint (no seat belt), speed too fast for conditions, and unlawful speeding.
- Maps can be used for focused law enforcement operations and education campaigns.

7. Emphasis Areas and Safety Strategies

- Emphasis areas and related safety strategies were reviewed.
- Safety strategies will focus on the 4 E's of transportation safety (engineering, enforcement, education, and emergency services)
- Stakeholders were encouraged to review the safety strategy list and provide any additional feedback to the consultant team on strategies that they would like included (or excluded) from the Sun Corridor STSP.

8. Network Screening Methodology

- **Intersection Screening**
 - The network screening for both signalized and unsignalized intersections utilizes a priority index (PI) ranking that takes into account 3 factors: 1) the number of crashes at an intersection, 2) the severity of the crashes, 3) the rate (or number of crashes relative to the average daily entering volume)
 - Two tables were presented for the PI ranking of the unsignalized and signalized intersections.
 - Some of the feedback from the stakeholders indicated that safety and other related improvements are being implemented at several of the locations. These locations will be reviewed by the Technical Advisory Committee (TAC) to

potentially update the list by removing those locations that have recently received or are programmed for improvements.

- Safety Performance Function (SPF) curves were developed for all unsignalized and signalized intersections. The SPFs are based on average daily entering volume (ADEV) and crash counts at each intersection. Using advanced statistical techniques, a regression analysis was performed to determine the average crashes that could be expected at these specific intersection types.
- The SPFs also noted the top intersections from the PI ranking.
- There were several locations that appear to be outliers that the consultant will review further.

- **Segment Screening**

- A demonstration of crash frequency mapping for 1/10th mile intervals was presented using Google Earth. The analysis provides a high level crash profile spatially using a .kml file that can be used by anyone who is able to download Google Earth.
- Using the same crash mapping depicted in the Google Earth application, a sliding window analysis was prepared to identify peak clusters of crashes within the entire Sun Corridor MPO network.
- The sliding window segment analysis tool utilizes a priority index (PI) ranking that takes into account 3 factors: 1) the number of crashes on a segment, 2) the severity of the crashes, 3) the rate (or number of crashes relative to the roadway traffic volume and segment length)
- The segment analysis tool can be used to rank individual roadways, provide crash frequency graphs, and rank all roadways in the network. Clicking on the specific ranked window will open Google Maps, centering the segment on the screen, allowing for a high level review of the location.
- The network map was reviewed showing the top locations for segment crashes
- The consultant team is evaluating additional roadways requested by the City of Coolidge that are not functionally classified as collector and above.

9. Next Steps

- Complete network screening updates and finalize top intersections and segments
- Identify a recommended list of safety projects using a corridor and systemic analysis approach for review by the Technical Advisory Committee
- Next public meeting: August / September
- Final Report: September 2016

Sun Corridor MPO Strategic Transportation Safety Plan Stakeholder Workshop

**Coolidge City Council Chambers
911 S Arizona Boulevard, Coolidge
May 18, 2016 – 9:00 to 11:30 AM**

- 1. Welcome and Introductions**
- 2. Strategic Transportation Safety Plan Vision and Goal**
- 3. Performance Measures**
- 4. Crash Data Analysis Findings**
- 5. Emphasis Areas**
- 6. Safety Strategies**
- 7. Network Screening**
- 8. Next Steps**

Sun Corridor MPO Strategic Transportation Safety Plan

Stakeholder Workshop

May 18, 2016



- ▶ Welcome and Introductions
- ▶ Safety Plan Vision & Goal
- ▶ Performance Measures
- ▶ Crash Data Analysis Findings
- ▶ Emphasis Areas
- ▶ Safety Strategies
- ▶ Network Screening
- ▶ Next Steps

Regional Safety Plan Vision and Goal

Vision:

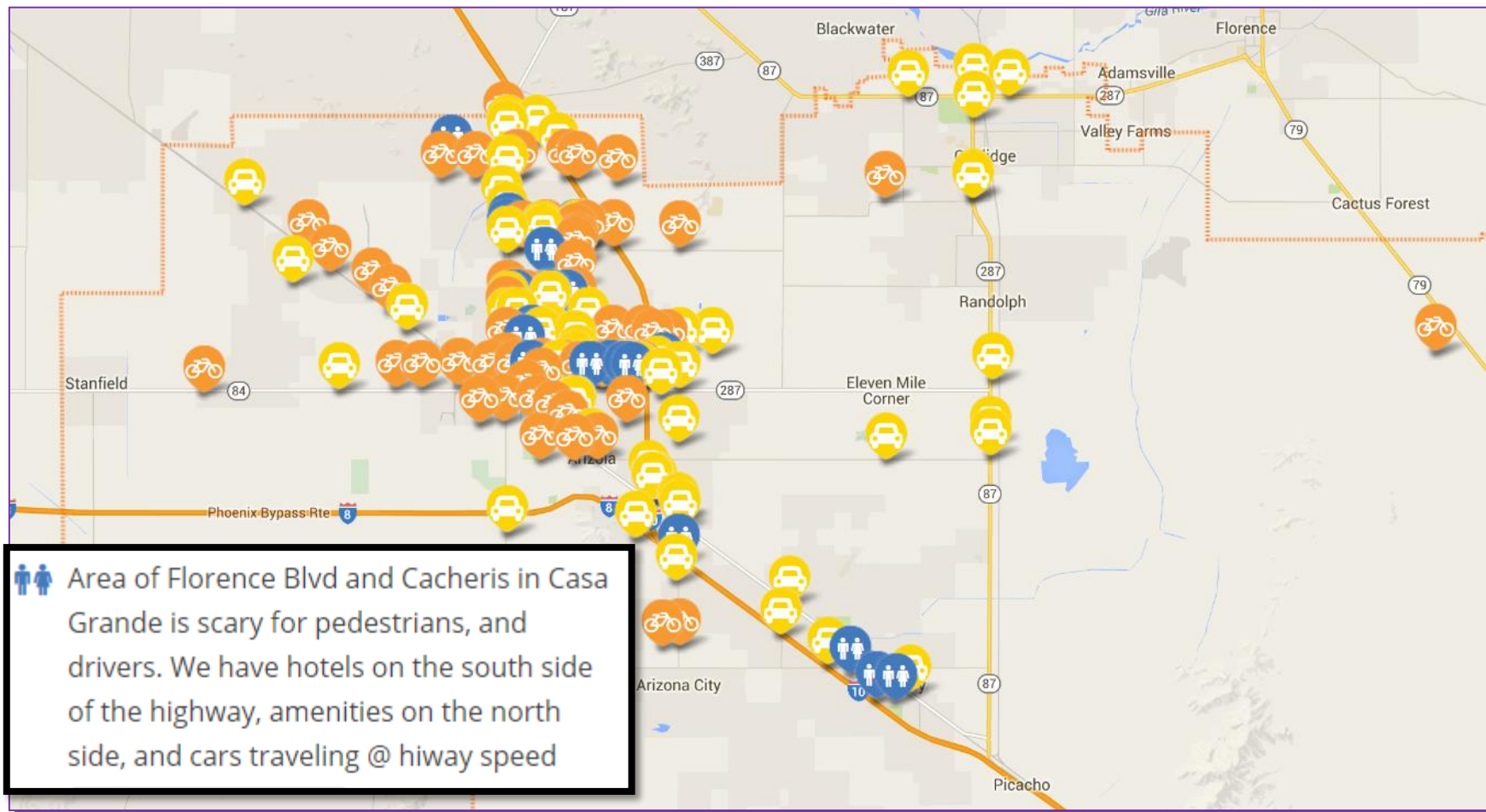
- ▶ “Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures”

Goal:

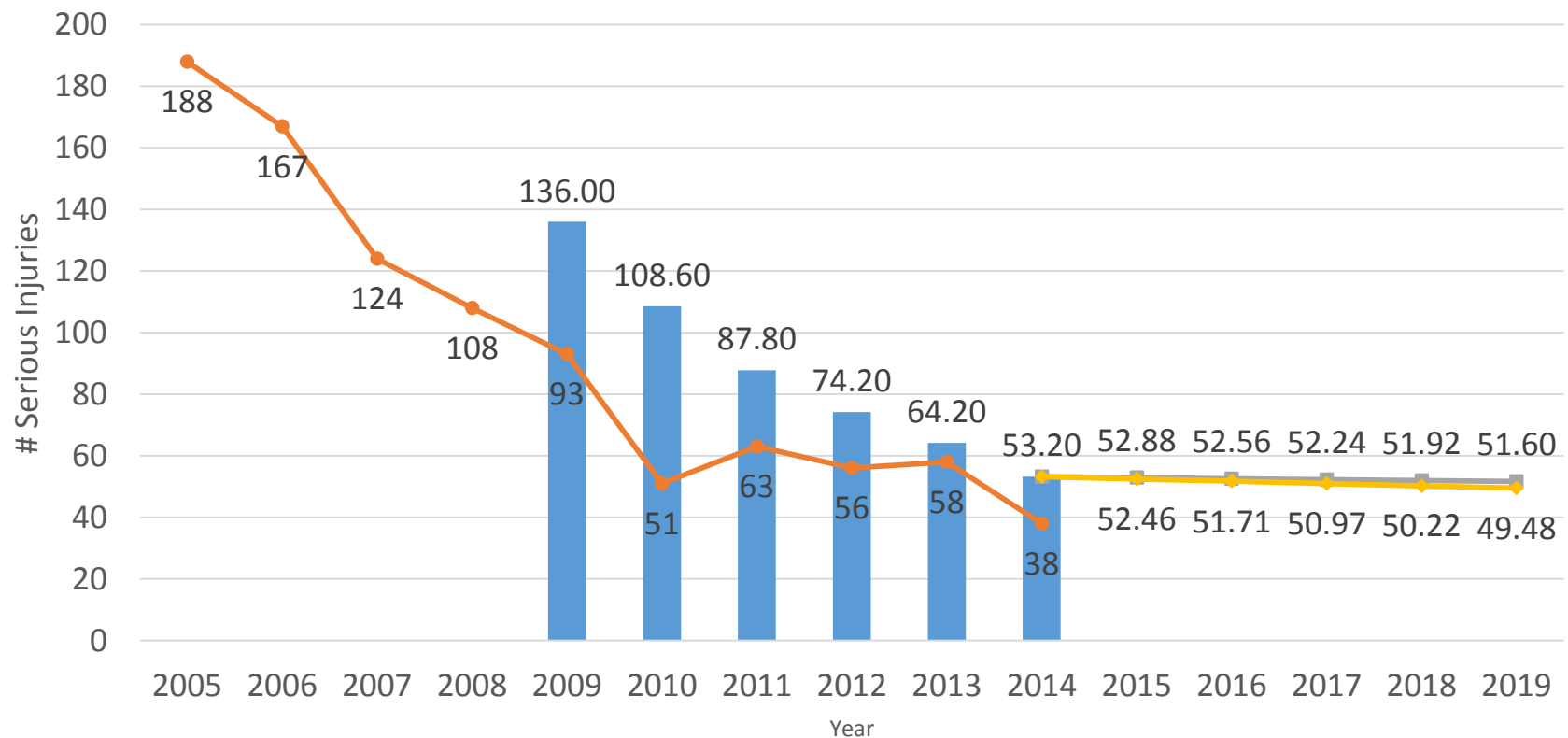
- ▶ “Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

Public Involvement – Social Pinpoint

scmpo.mysocialpinpoint.com/scmpo



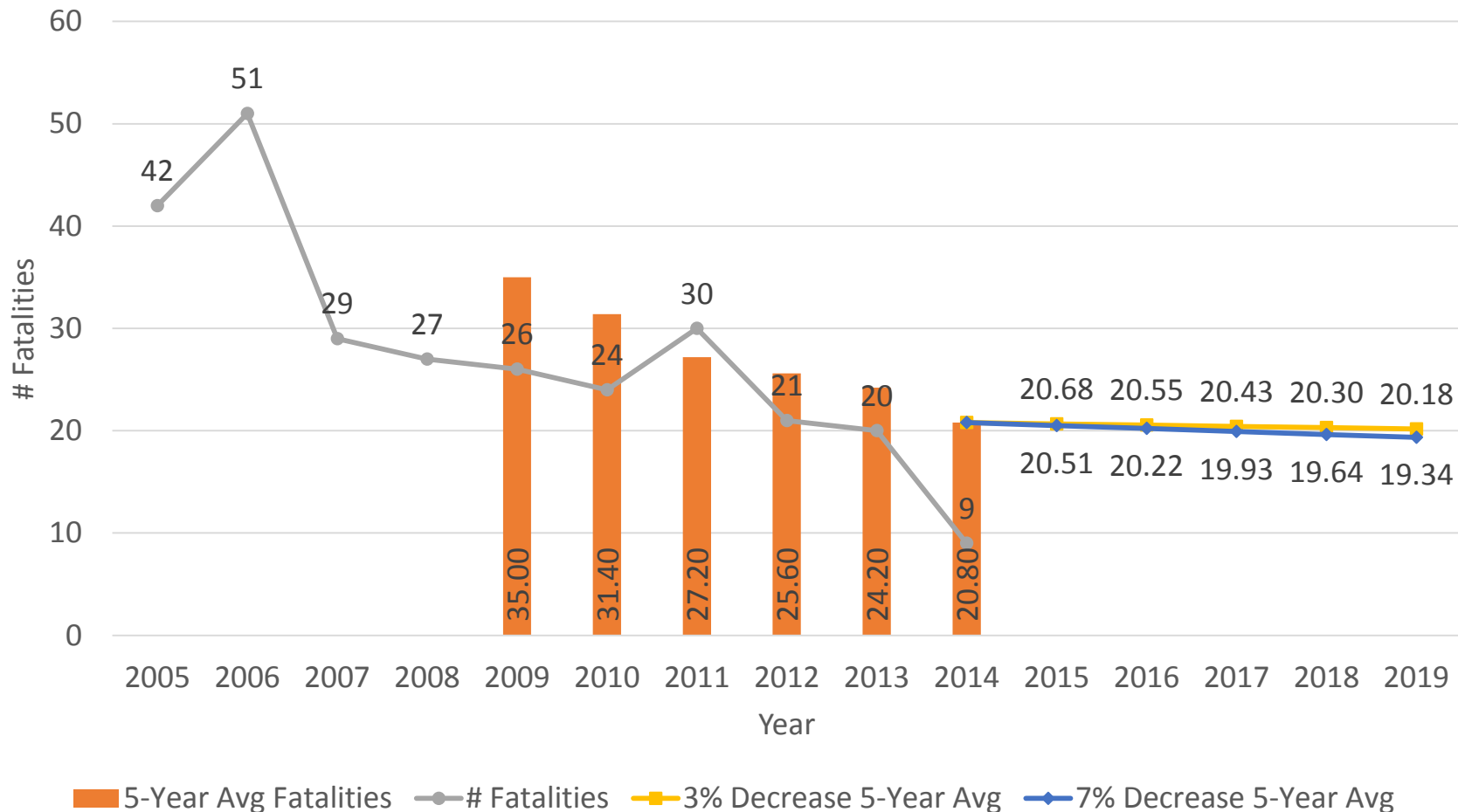
SCMPO Serious Injuries Frequency



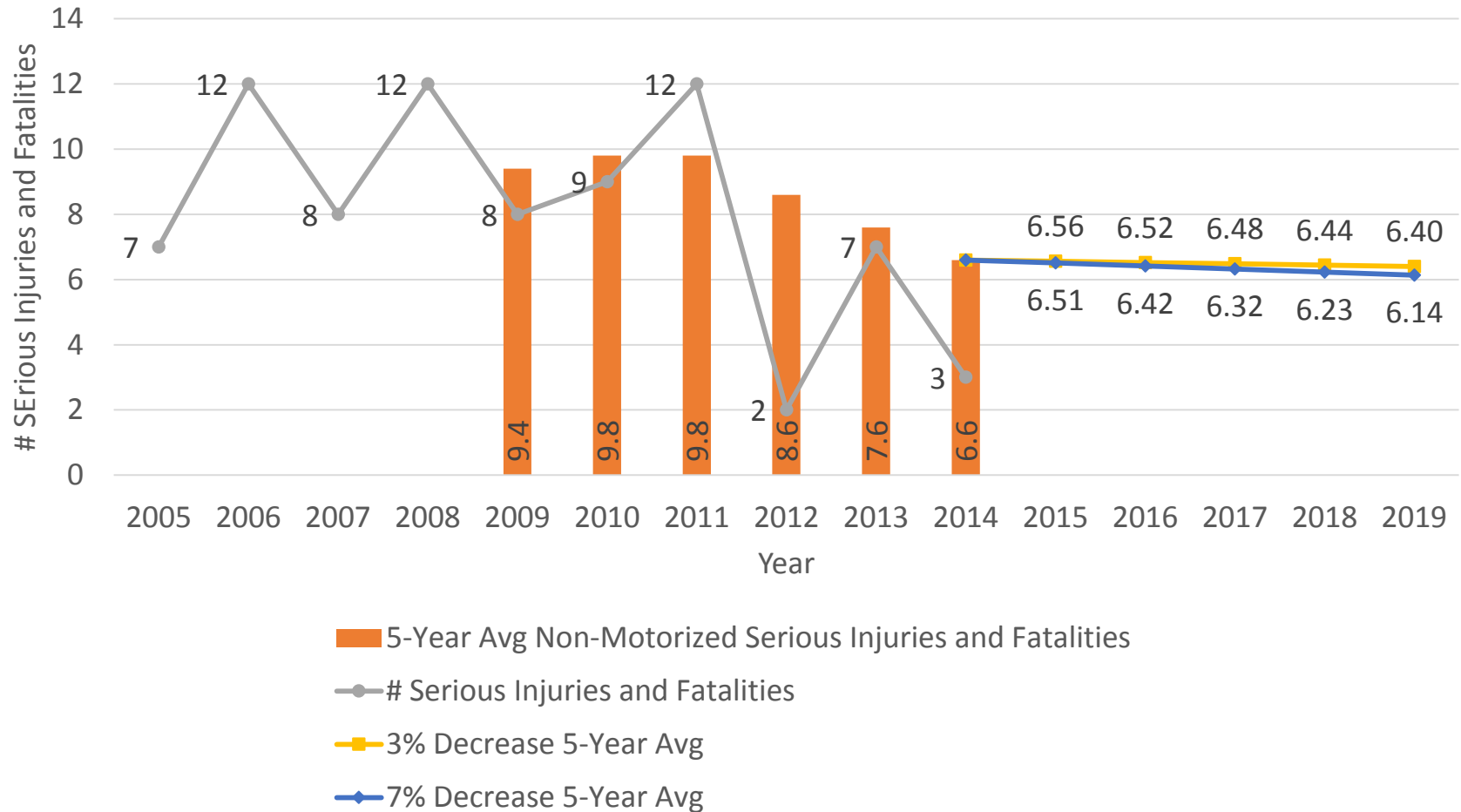
■ 5-Year Avg Serious Injuries — # Serious Injuries — 3% Decrease 5-Year Avg — 7% Decrease 5-Year Avg

Performance Measures

SCMPO Fatalities Frequency



SCMPO Non-Motorized Serious Injuries and Fatalities



Crash Data Overview (2005-2014)

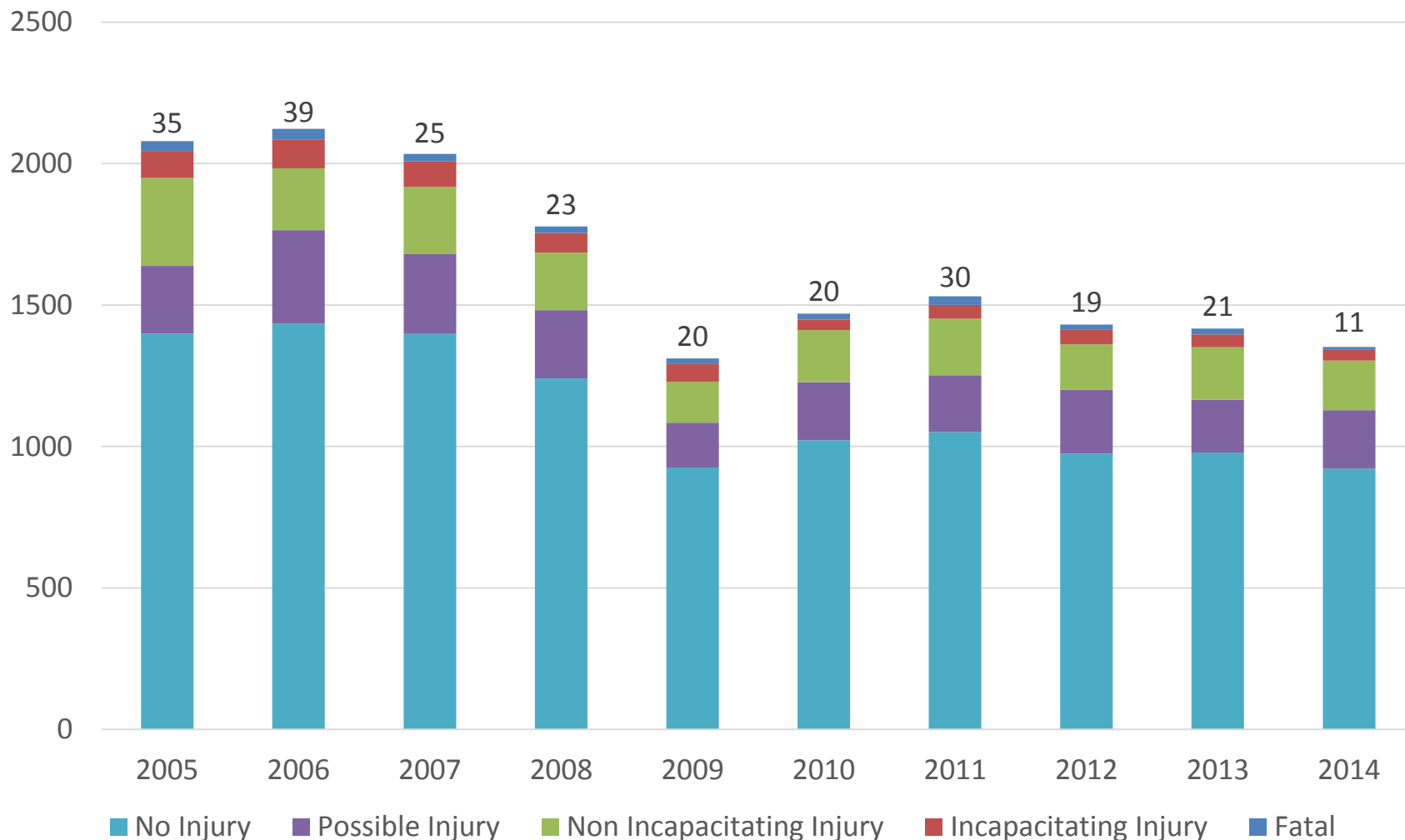
16,525 crashes in the region

- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes
- ▶ 2,021 non-incapacitating injury crashes
- ▶ 2,276 possible injury crashes
- ▶ 11,345 no injury crashes

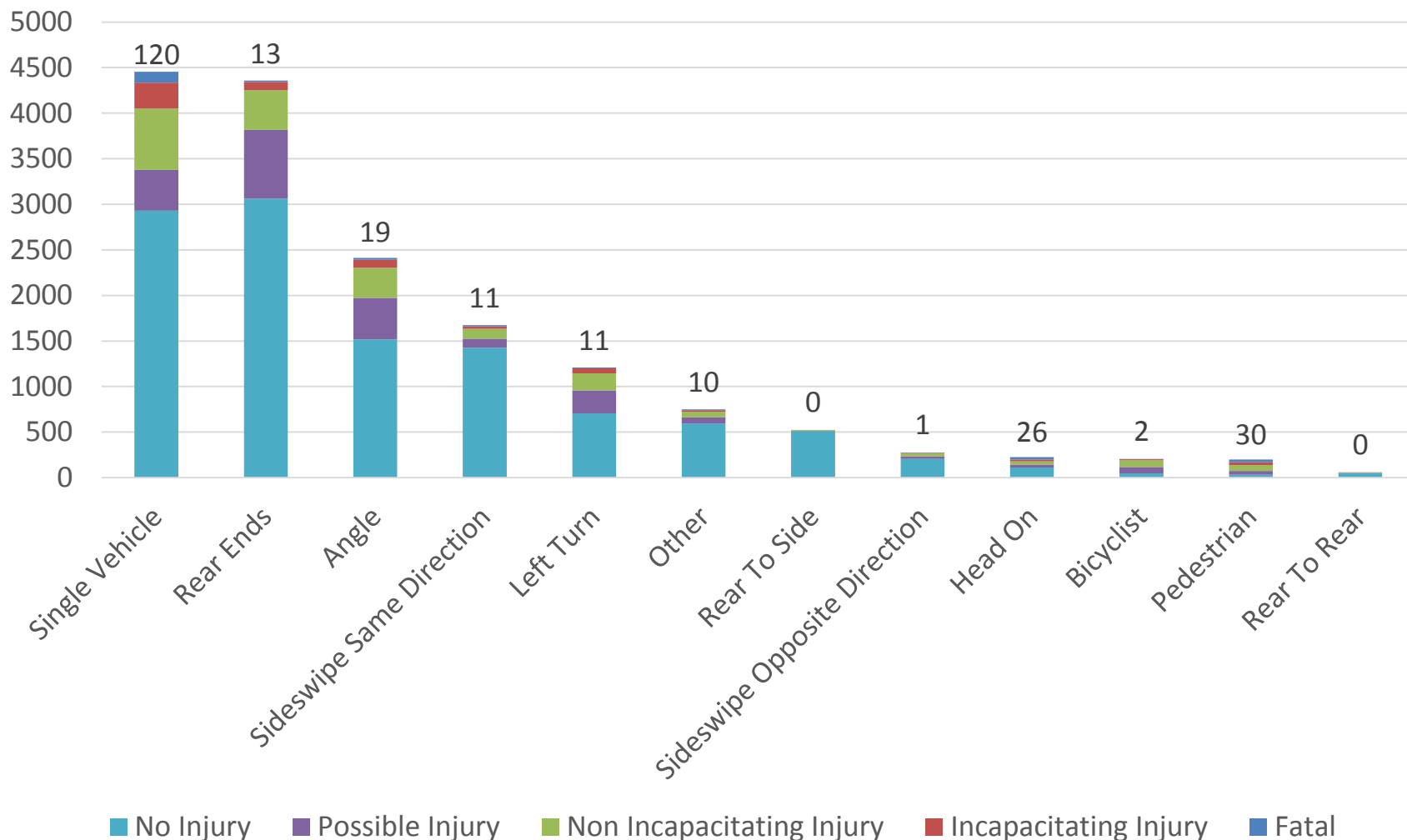


298 PEOPLE DIED

Crash Severity by Year

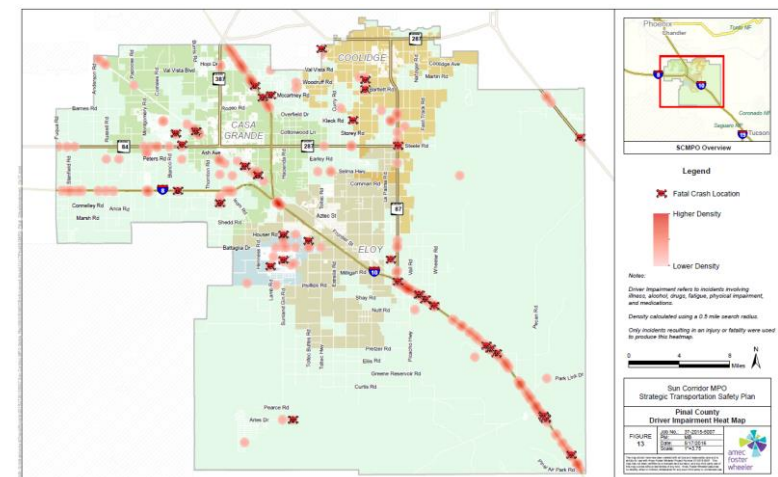
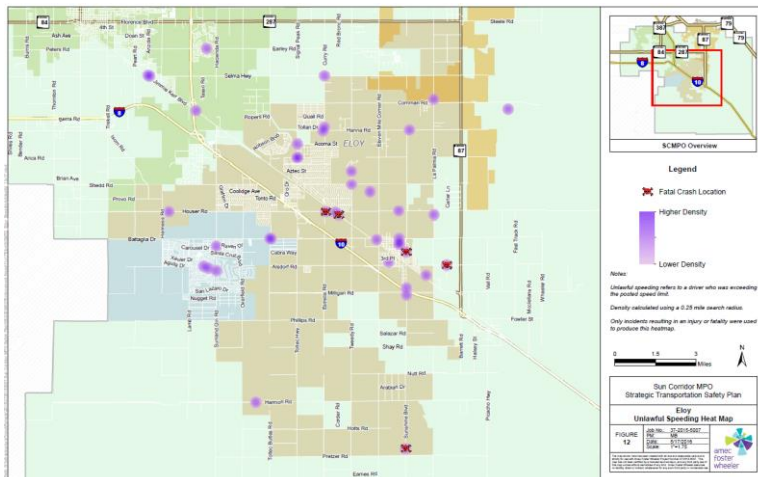
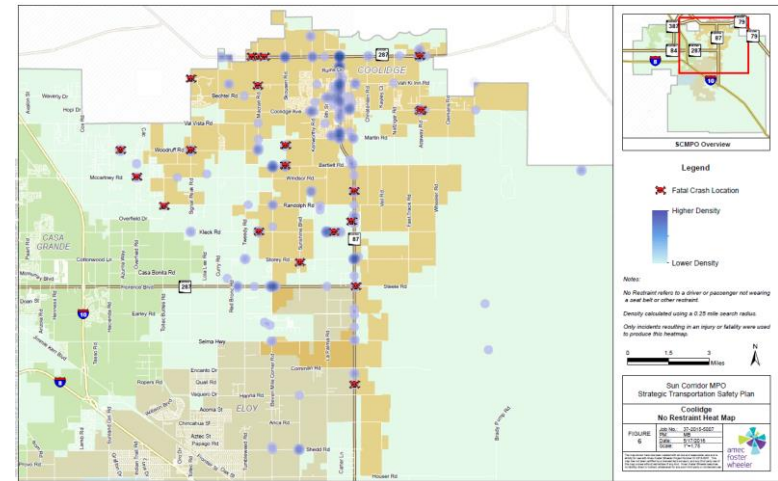
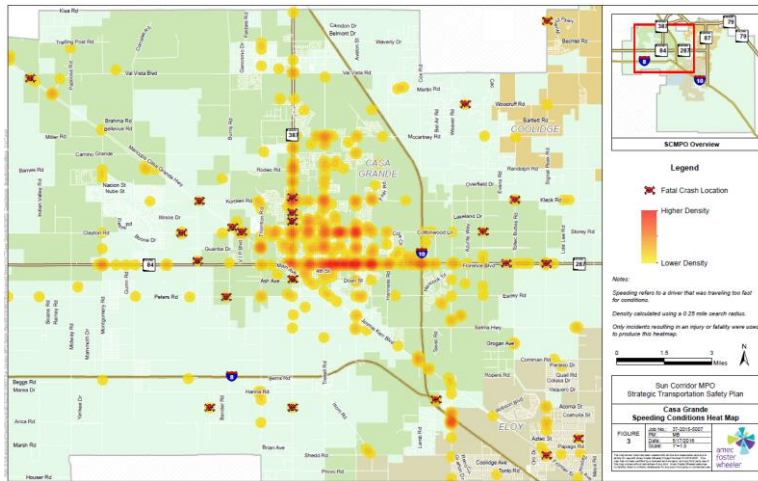


Crash Manner by Crash Severity



Collision Manner	% All Crashes	% Fatal Crashes	% Fatal & Incapacitating Injury Crashes
Single Vehicle	27%	49%	46%
Rear End	26%	5%	12%
Angle	15%	8%	12%
Sideswipe Same Direction	10%	5%	5%
Left Turn	7%	5%	7%
Rear to Side	3%	0%	0%
Sideswipe Opposite Direction	2%	<1%	1%
Pedestrian	1%	12%	7%
Head On	1%	11%	5%
Bicyclist	1%	<1%	2%

Driver Violation Crash Heat Maps



Emphasis Areas

Emphasis Areas	SCMPO – fatal crashes	State – fatal crashes
Speeding	40%	38%
Impaired Driving	38%	34%
Occupant Protection	53%	49%
Distracted Driving	16%	15%
Age: Under 25	21%	30%
Age: Over 64	17%	15%
Pedestrian	11%	15%
Intersection	19%	23%
Lane Departure	64%	53%
Weather-related	5%	4%
Motorcycles	8%	15%
Heavy Vehicle	19%	23%
Animal-involved	0%	<1%
Bicyclist	<1%	2%

Focus on 4 E's of Traffic Safety:

- ▶ Engineering
- ▶ Education
- ▶ Enforcement
- ▶ Emergency Services

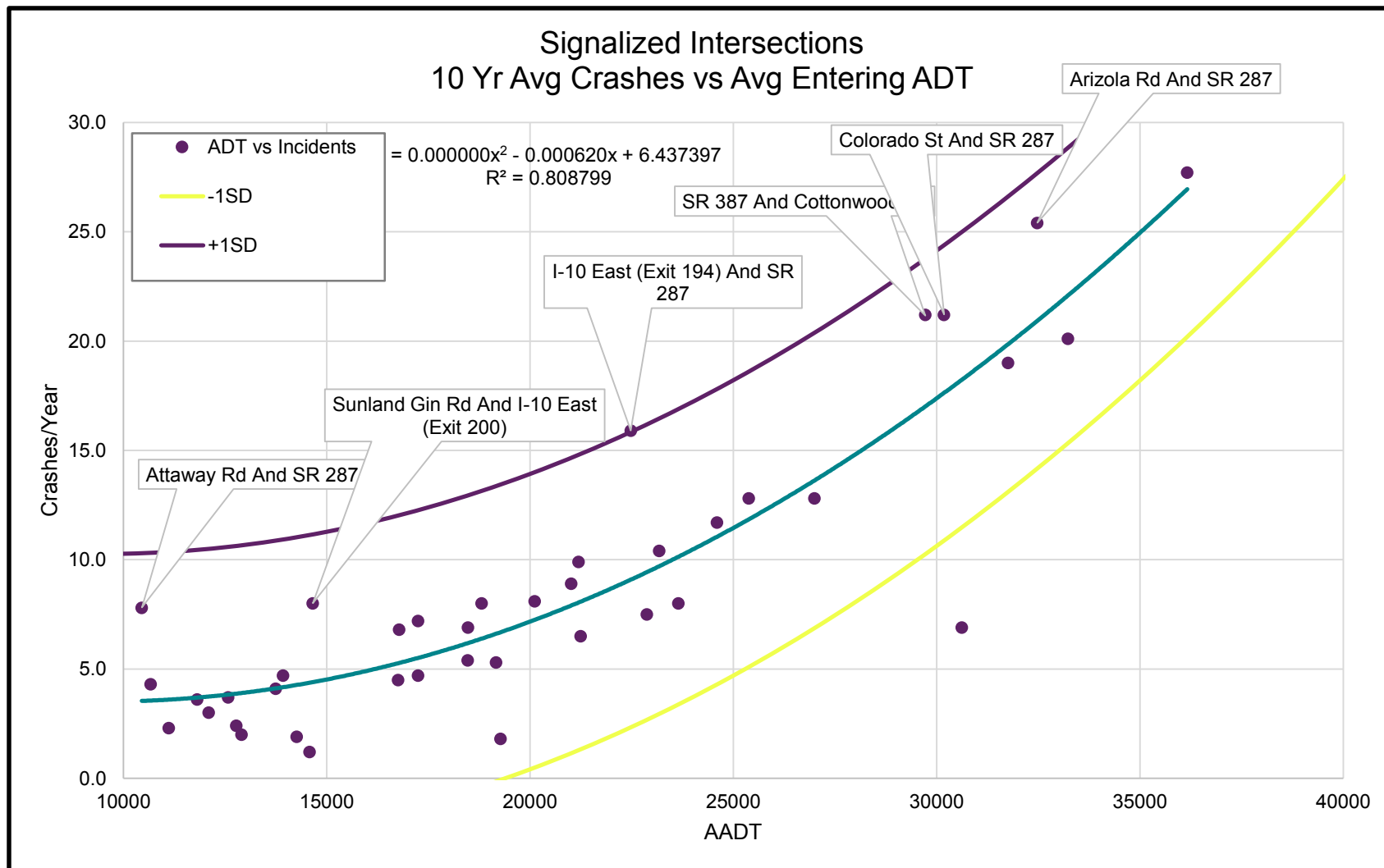
Signalized Intersections Priority Index Ranking

Intersection	Location	AADT	No Injury	Possible Injury	Non-Incapacitating Injury	Incapacitating Injury	Fatal	Crash Frequency	Crash Rate	Severity Index	PI Rank
Attaway Rd And SR 287/Florence-Coolidge Hwy	Coolidge	10454	49	11	11	5	2	78	4.09	1.71	1
SR 387/Pinal Ave And Val Vista Blvd	Casa Grande	23179	60	23	13	6	2	104	2.46	1.72	2
Trekell Rd And Cottonwood Ln	Casa Grande	33230	134	39	23	5		201	3.31	1.43	3
Colorado St And SR 287/Florence Blvd	Casa Grande	30184	151	35	22	2	2	212	3.85	1.36	4
Peart Rd And SR 287/Florence Blvd	Casa Grande	36165	203	51	19	4		277	4.20	1.32	5
SR 387/Pinal Ave And Cottonwood Ln	Casa Grande	29723	154	33	22	3		212	3.91	1.33	6
Arizola Rd And SR 287/Florence Blvd	Casa Grande	32478	193	41	18	1	1	254	4.29	1.27	6
I-10 East (Exit 194) And SR 287/Florence Blvd	Casa Grande	22479	118	24	13	4		159	3.88	1.35	8
SR 387/Pinal Ave And Kortsen Rd	Casa Grande	25384	89	17	20	2		128	2.76	1.36	9
Peart Rd And Cottonwood Ln	Casa Grande	26999	79	28	21			128	2.60	1.38	10
Trekell Rd And McMurray Blvd	Casa Grande	21015	54	22	11	1	1	89	2.32	1.48	11
Olive Ave And SR 287/Florence Blvd	Casa Grande	18815	53	15	10	1	1	80	2.33	1.43	12
Hennes Rd And SR 287/Florence Blvd	Casa Grande	23649	48	19	10	3		80	1.85	1.54	13
Trekell Rd And SR 287/Florence Blvd	Casa Grande	31756	144	29	16	1		190	3.28	1.26	13
Trekell Rd And Kortsen Rd	Casa Grande	20119	52	13	14	2		81	2.21	1.45	15
Sunland Gin Rd And I-10 East (Exit 200)	Eloy	14661	56	19	4	1		80	2.99	1.35	15

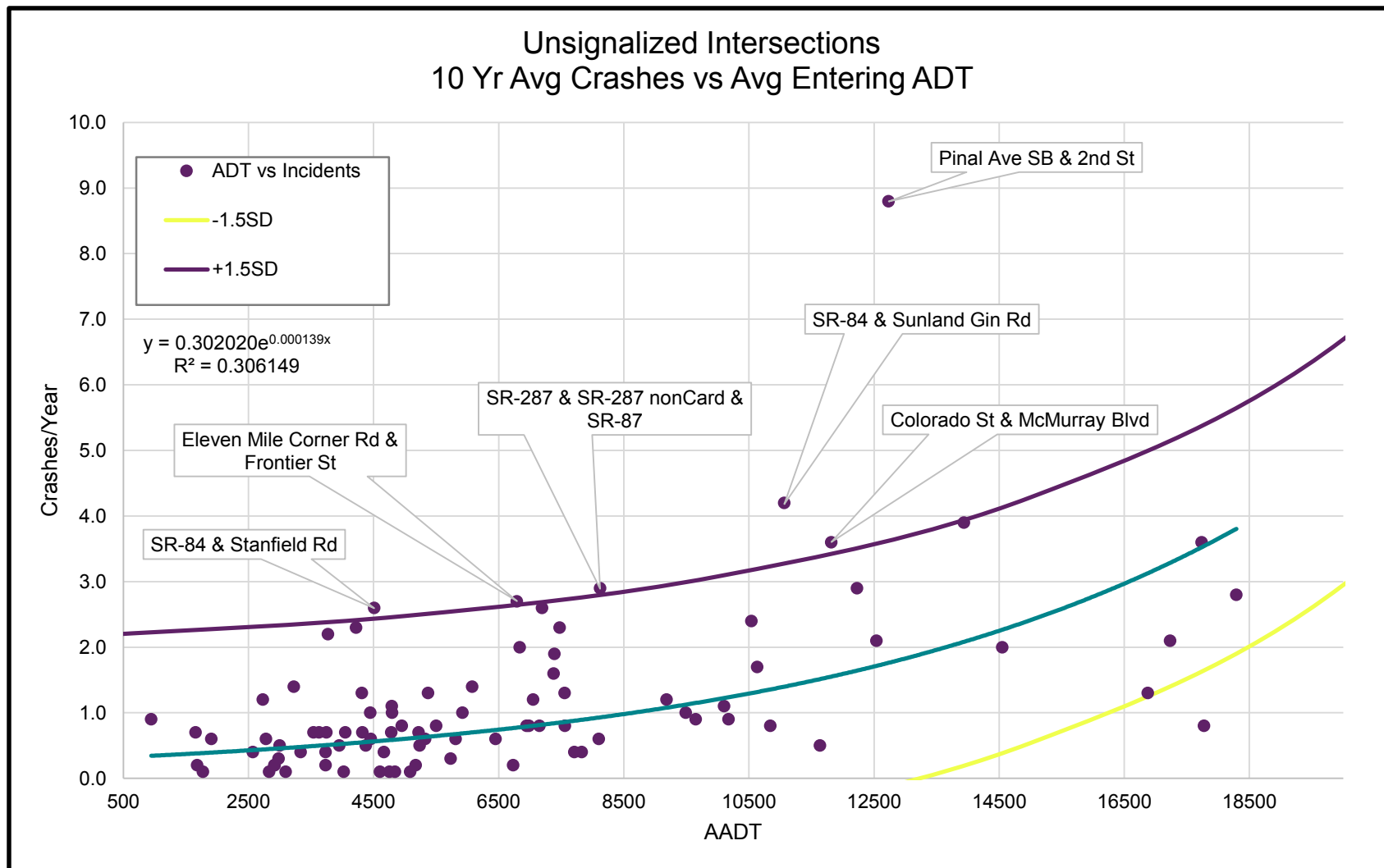
Unsignalized Intersections Priority Index Ranking

Intersection	Location	AADT	No Injury	Possible Injury	Non-incapacitating	Incapacitating	Fatal	Crash Frequency	Crash Rate	Severity Index	PI Rank
Attaway Rd & Coolidge Ave	Coolidge	4221	12	6	1	1	3	23	2.99	2.14	1
Eleven Mile Corner Rd & Randolph Rd	Coolidge	2732	4	1	5	1	1	12	2.41	2.30	2
Skousen Rd & SR-87	Coolidge	13938	17	10	8	4		39	1.53	1.95	2
Battaglia Rd & Frontier St	Eloy	7192	15	4	5	2		26	1.98	1.72	4
Randolph Rd & SR-87	Coolidge	6835	10	6	1	3		20	1.60	2.07	5
SR-287 & SR-87	Pinal County	8121	12	9	8			29	1.96	1.59	5
Picacho Hwy & I-10 - South Ramp	Pinal County	946	3	1	4	1		9	5.21	2.09	7
Battaglia Rd & Eleven Mile Corner Rd	Eloy	3772	11	6	5			22	3.20	1.50	8
SR-84 & Sunland Gin Rd	Casa Grande	11065	31	7	2	2		42	2.08	1.44	8
Hacienda Rd & SR-287/Florence Blvd	Casa Grande	12230	17	5	5	1	1	29	1.30	1.68	10
SR-84 & Stanfield Rd	Pinal County	4512	17	3	6			26	3.16	1.35	11
Colorado St & McMurray Blvd	Casa Grande	11818	22	9	5			36	1.67	1.39	12
Martin Rd & SR-87	Coolidge	10541	15	2	6	1		24	1.25	1.53	13
Pinal Ave SB & 2nd St	Casa Grande	12734	75	7	4	2		88	3.79	1.23	13
Casa Grande Ave & Viola St	Casa Grande	4314	5	3	5			13	1.65	1.62	15
Eleven Mile Corner Rd & Frontier St	Eloy	6792	18	3	6			27	2.18	1.33	15

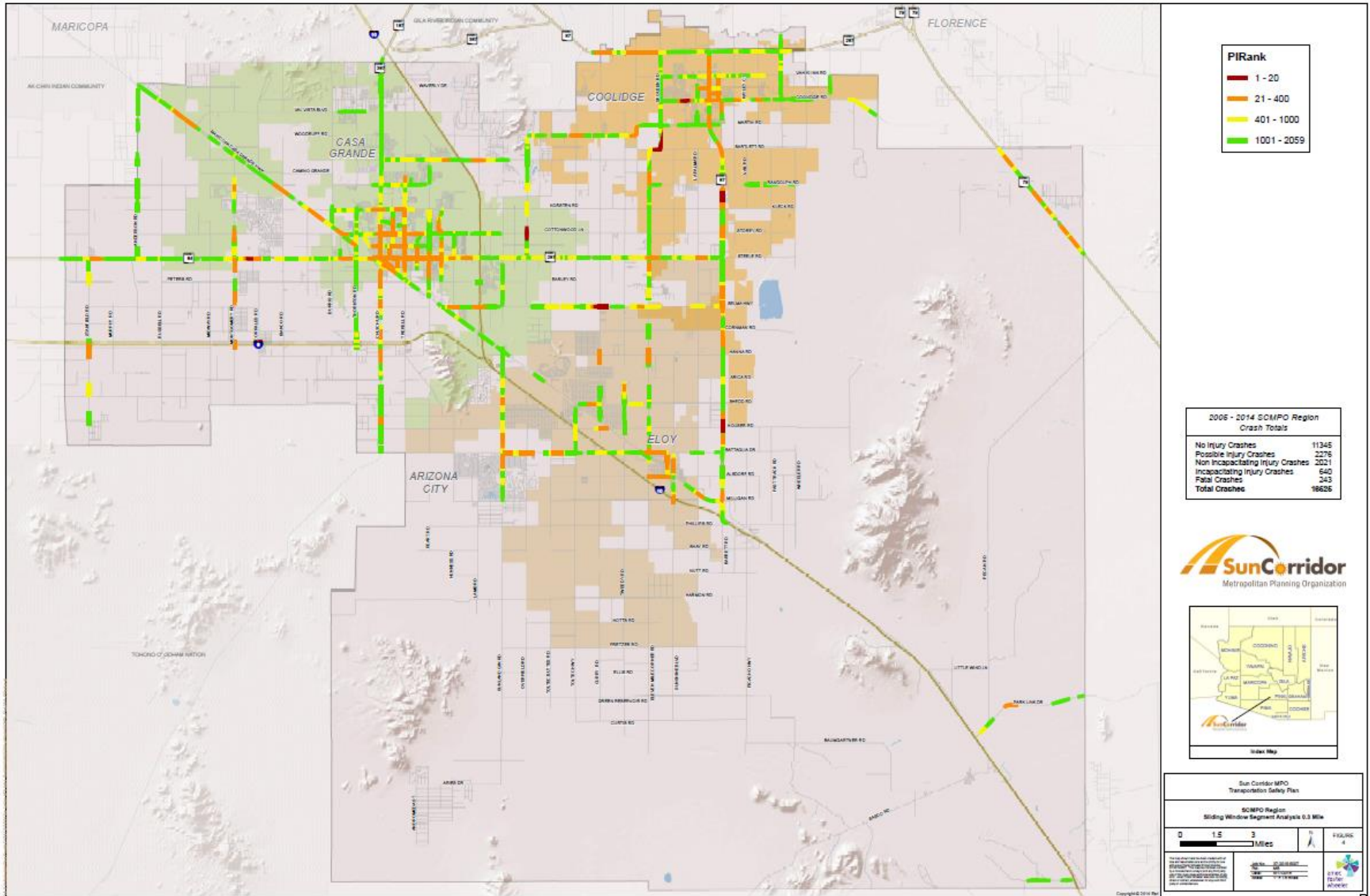
Signalized Safety Performance Function



Unsignalized Safety Performance Function



Segment Screening



- ▶ Complete network screening for project prioritization
- ▶ Identify and develop safety projects
- ▶ Public Meeting August 2016
- ▶ Final Report September 2016

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**CITY COUNCIL MEETINGS
BOARD OF SUPERVISORS MEETINGS**

Sun Corridor MPO Strategic Transportation Safety Plan

Amec Foster Wheeler staff presented project information to city councils, Pinal County Board of Supervisors, and SCMPO Executive Board on the following dates:

<u>City councils</u>	<u>Date</u>
Casa Grande City Council	11/16/2015 11/21/2016
Coolidge City Council	11/23/2015 10/10/2016
Eloy City Council	11/9/2015 10/24/2016
<u>Boards of supervisors</u>	
Pinal County Board of Supervisors	11/9/2015 11/9/2016
<u>SCMPO Executive Board</u>	7/14/2015 11/8/2016



PINAL COUNTY BOARD OF SUPERVISORS MEETING

November 9, 2015

Sun Corridor MPO Strategic Transportation Safety Plan

**Pinal County Board of Supervisors Meeting
November 9, 2015**

Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



Safety Plan Vision

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan; ensure compatibility with federal requirements

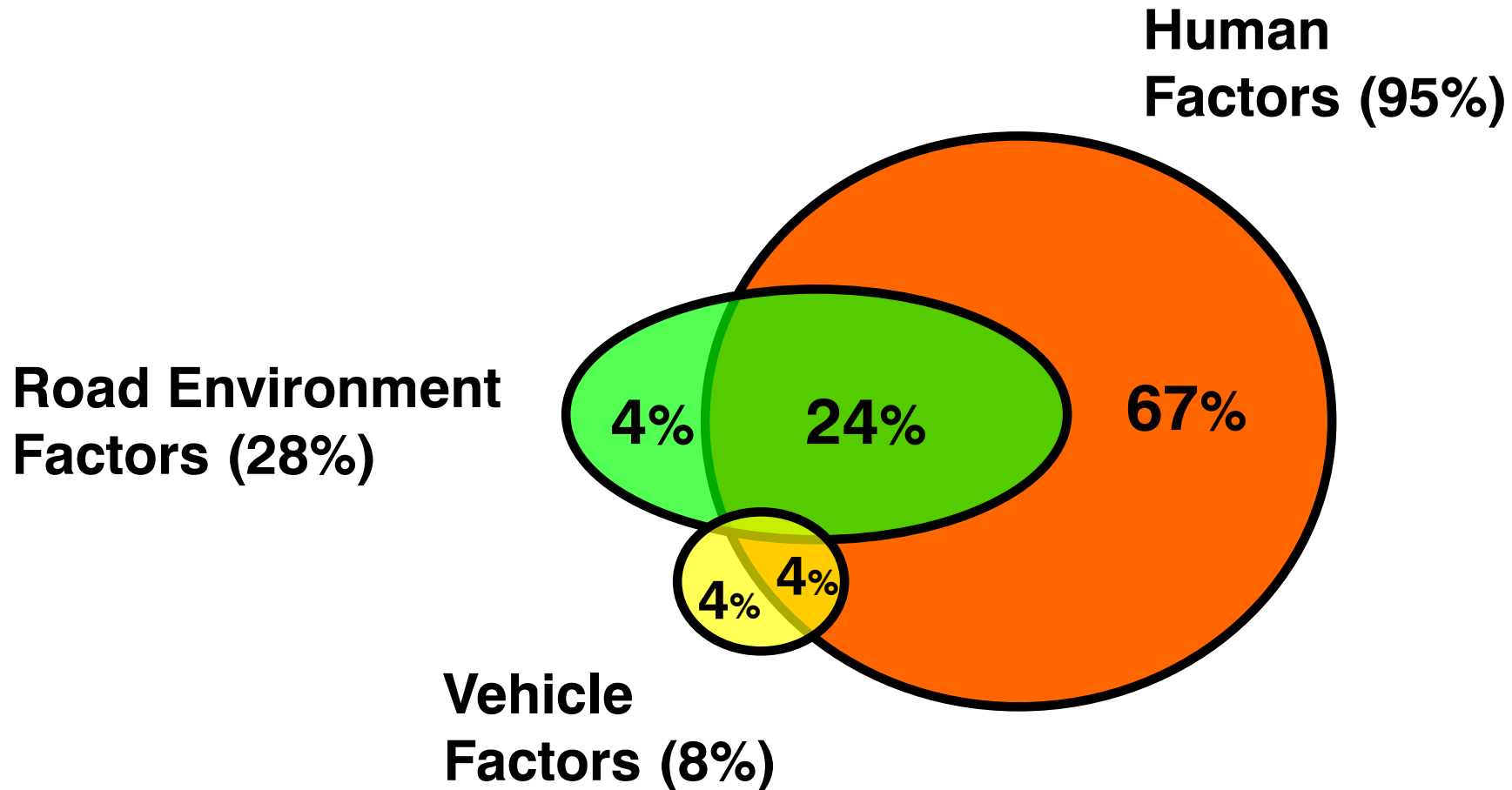


Ultimate objective:

Reduce traffic crash fatalities and injuries

Why Use the 4 E's?

Typical Reported Crash Causes



Work Plan

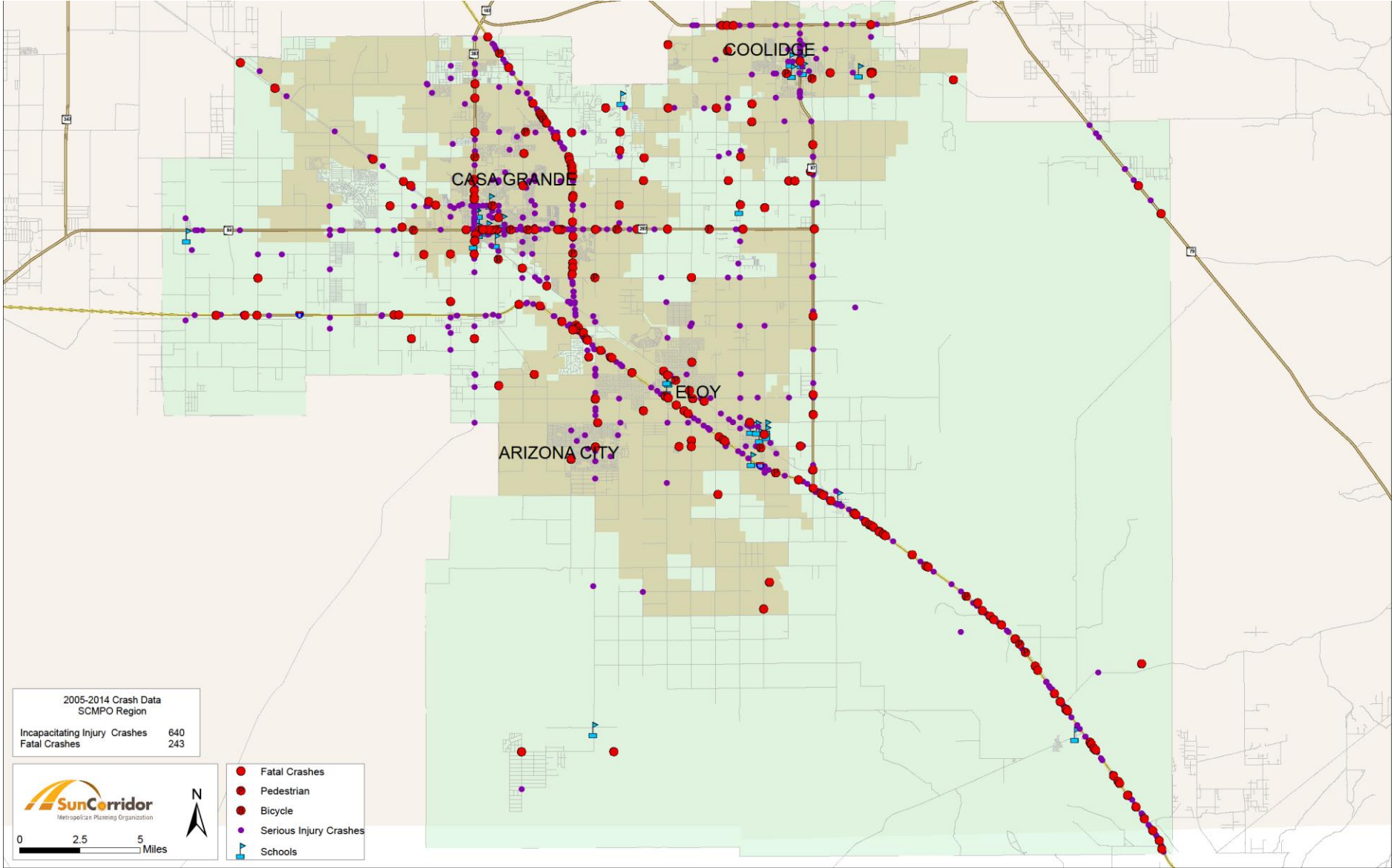
Phase 1:

- ✓ Existing Safety Performance (crash data analysis)
- ✓ Develop Safety Vision and Goals
 - ▶ Identify Emphasis Areas (based on crash data)
 - ▶ Road users (pedestrians, younger/older users)
 - ▶ Behaviors (impaired, speeding, distracted)
 - ▶ Crash types (road departures, intersections)
 - ▶ Develop Safety Strategies
 - ▶ Conduct Network Screening (identify crash hot spots)

Work Plan

Phase 2:

- ▶ Implementation Plan
- ▶ Funding and Program Resources
- ▶ Performance Measures
- ▶ Identify Safety Projects
- ▶ Develop HSIP Project Eligibility Requests



Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	120	284	673	447	2931	4455
Rear End	13	93	435	756	3060	4357
Angle	19	88	330	459	1515	2411
Sideswipe Same Direction	11	29	108	99	1427	1674
Left Turn	11	53	189	252	705	1210
Other	10	18	61	67	595	751
Rear To Side	0	0	6	8	509	523
Sideswipe Opposite Direction	1	7	32	30	205	275
Head On	26	20	35	31	113	225
Pedalcycle	2	13	73	69	48	205
Pedestrian	30	32	65	39	34	200
Unknown	0	2	12	16	152	182
Rear To Rear	0	1	2	3	51	57
Total	243	640	2021	2276	11345	16525

Crash Severity by Agency Boundary

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Type by Agency Boundary

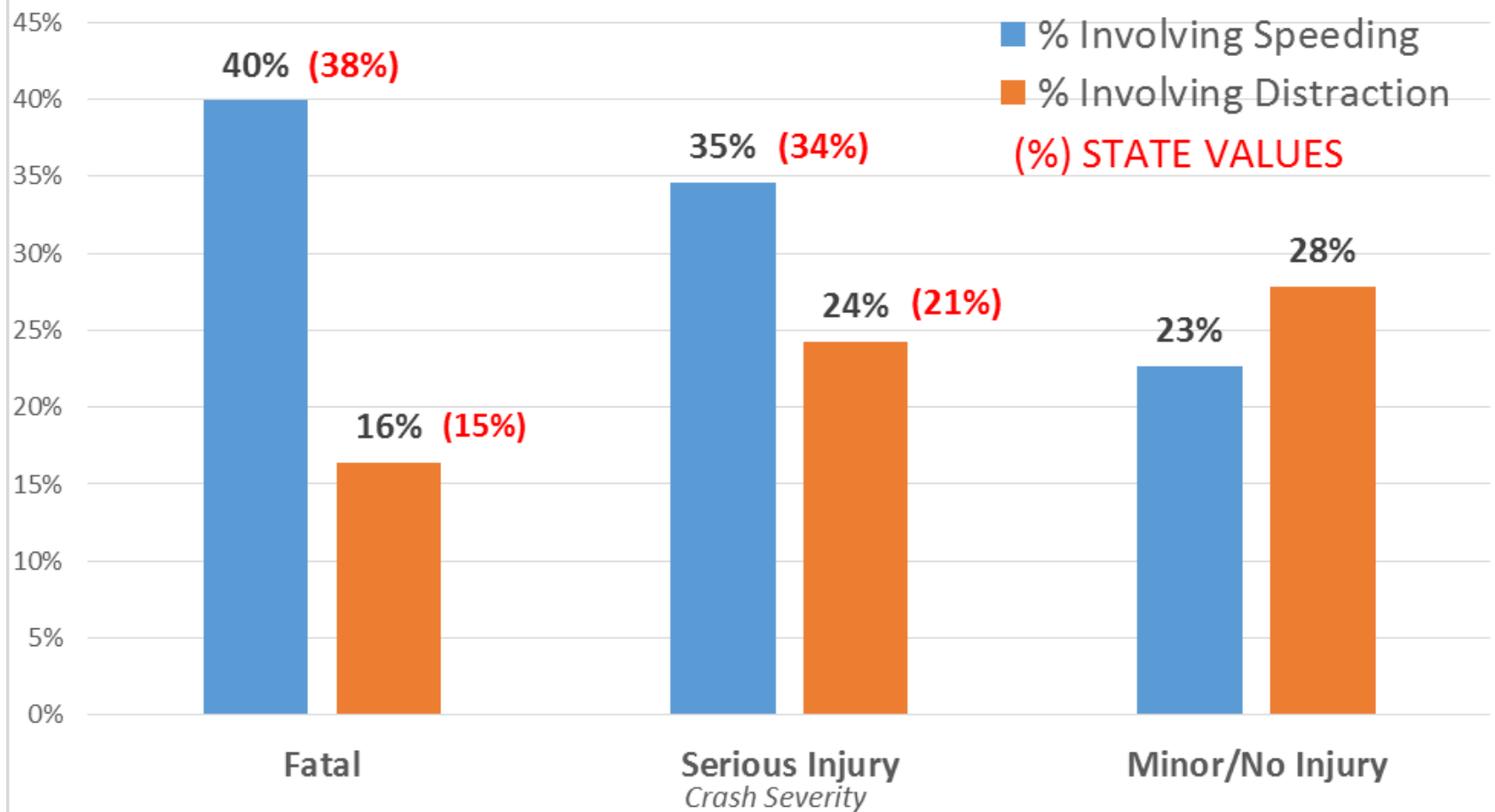
Agency	Angle	Head On	Left Turn	Other	Pedalcycle	Pedestrian	Rear End	Rear To Rear	Rear To Side	Sideswipe Opposite Direction	Sideswipe Same Direction	Single Vehicle	Unknown	Total
Casa Grande	1536	124	907	319	159	126	2765	37	296	157	843	1521	134	8924
Pinal County	265	37	86	247	13	20	769	5	43	42	466	1883	15	3891
Coolidge	371	33	148	83	21	28	403	10	113	47	159	413	17	1846
Eloy	200	22	46	91	9	21	321	5	55	22	189	579	12	1572
Arizona City	39	9	23	11	3	5	99	0	16	7	17	59	4	292
Total	2411	225	1210	751	205	200	4357	57	523	275	1674	4455	182	16525

Pinal County Crashes in SCMPO Boundary

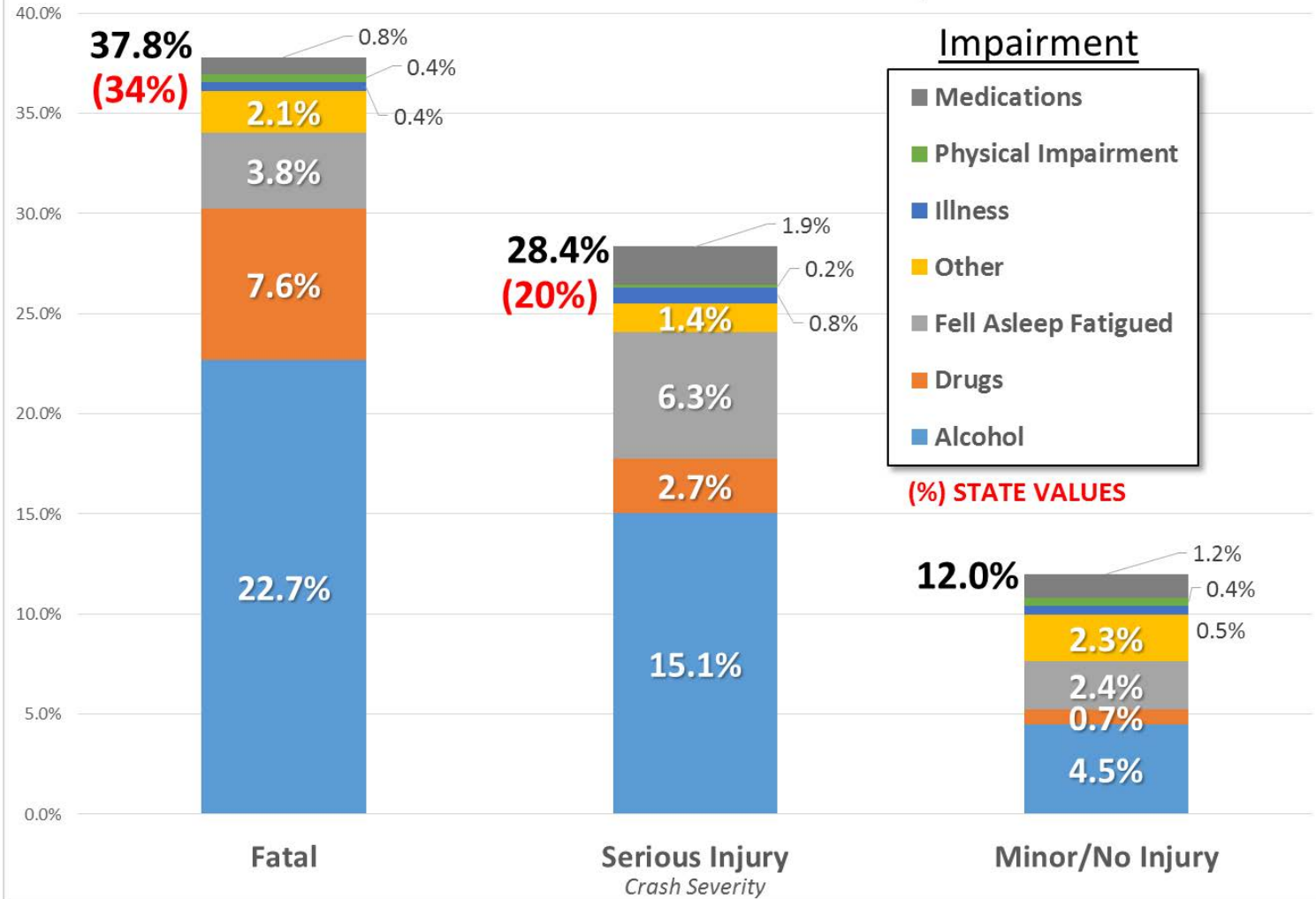
Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	66	135	296	169	1217	1883
Rear End	8	42	123	101	495	769
Sideswipe Same Direction	5	15	40	31	375	466
Angle	7	21	46	49	142	265
Other	8	13	22	9	195	247
Left Turn	0	10	19	17	40	86
Rear To Side	0	0	2	0	41	43
Sideswipe Opposite Direction	1	2	6	2	31	42
Head On	13	3	9	3	9	37
Pedestrian	8	5	7	0	0	20
Unknown	0	1	3	0	11	15
Pedalcycle	1	1	8	1	2	13
Rear To Rear	0	1	0	0	4	5
Grand Total	117	249	581	382	2562	3891

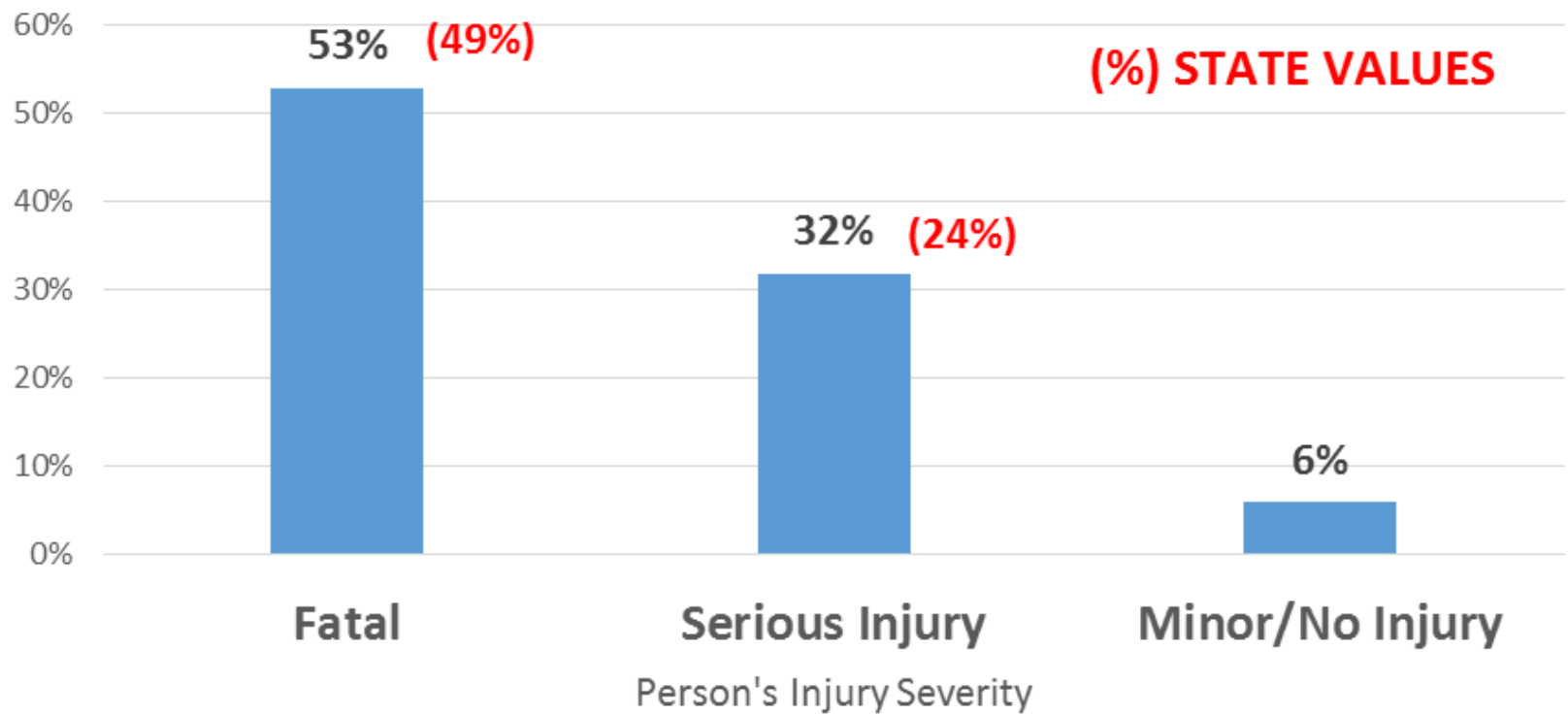
Crashes Involving Speeding or Distraction

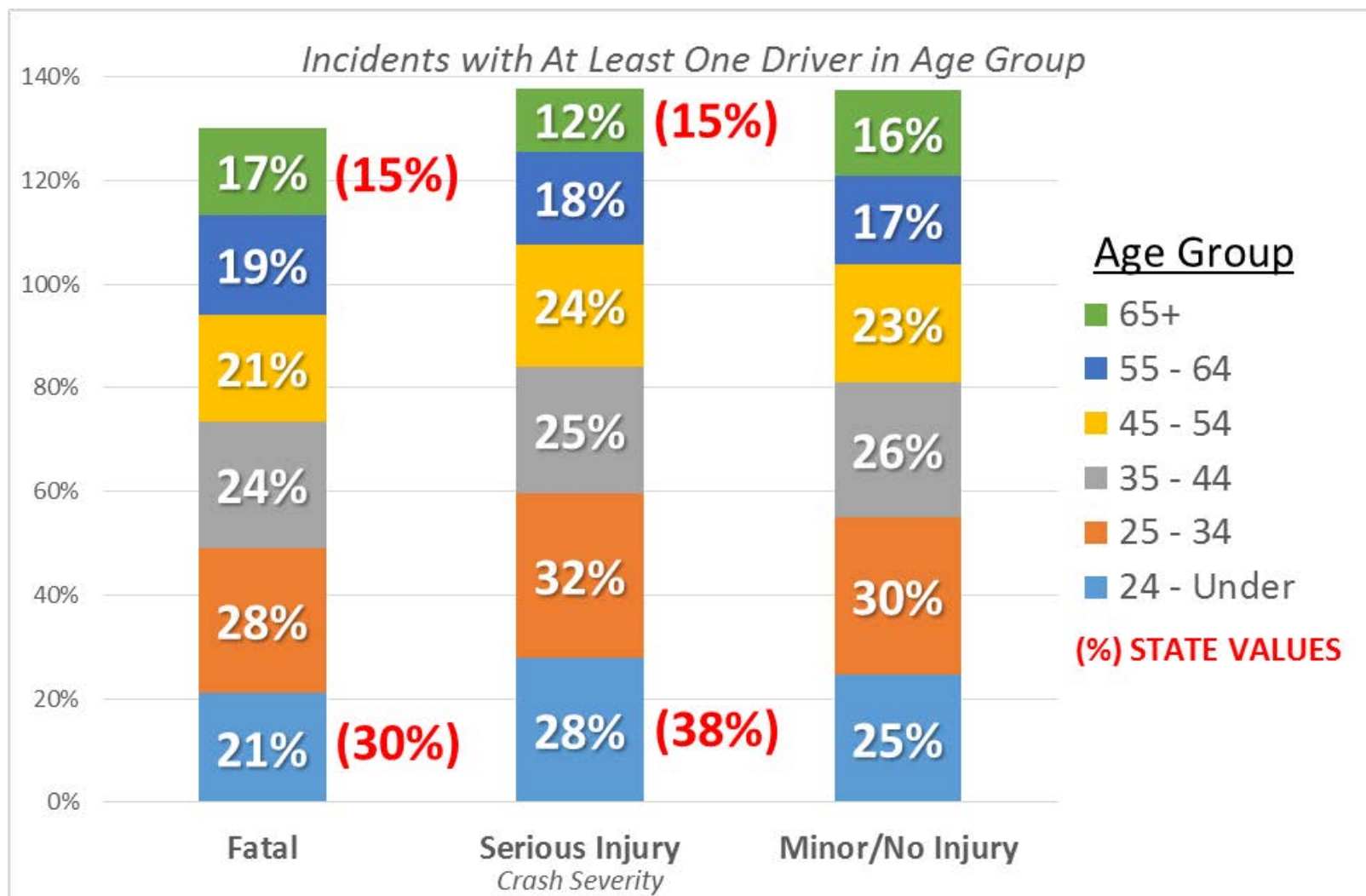


Crashes where At Least One Driver Had Impairment



Drivers & Passengers who were Unrestrained





Next Steps

- ▶ Determine emphasis areas
- ▶ Develop safety strategies
- ▶ Conduct network screening for project prioritization
- ▶ Identify and develop safety projects
- ▶ Public Meetings January 2016
- ▶ Stakeholder Workshop March 2016
- ▶ Public Meetings and comment period August 2016

Contacts

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ELOY CITY COUNCIL MEETING

November 9, 2015

Sun Corridor MPO Strategic Transportation Safety Plan

**Eloy City Council Meeting
November 9, 2015**

Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



Safety Plan Vision

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan; ensure compatibility with federal requirements

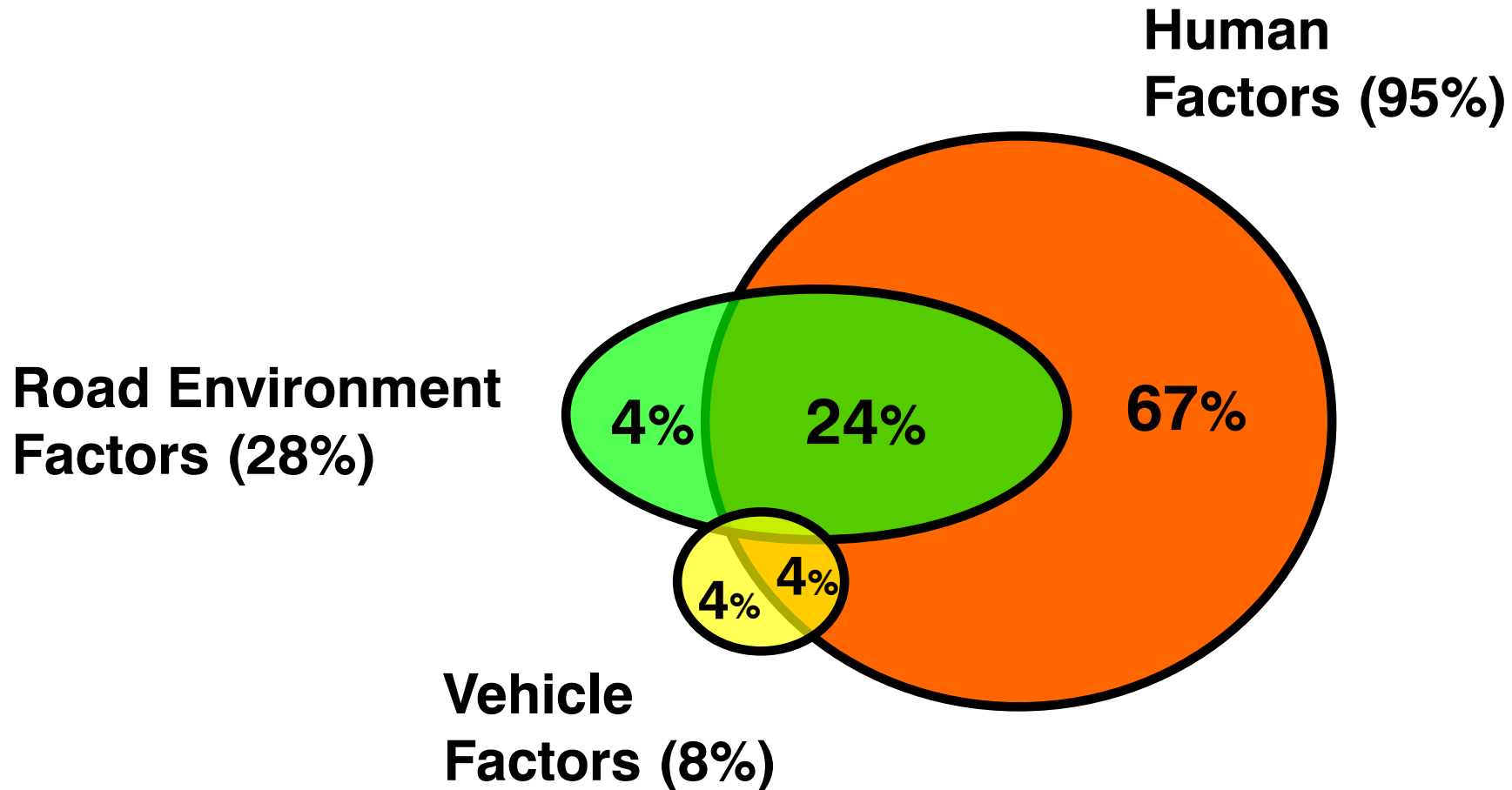


Ultimate objective:

Reduce traffic crash fatalities and injuries

Why Use the 4 E's?

Typical Reported Crash Causes



Work Plan

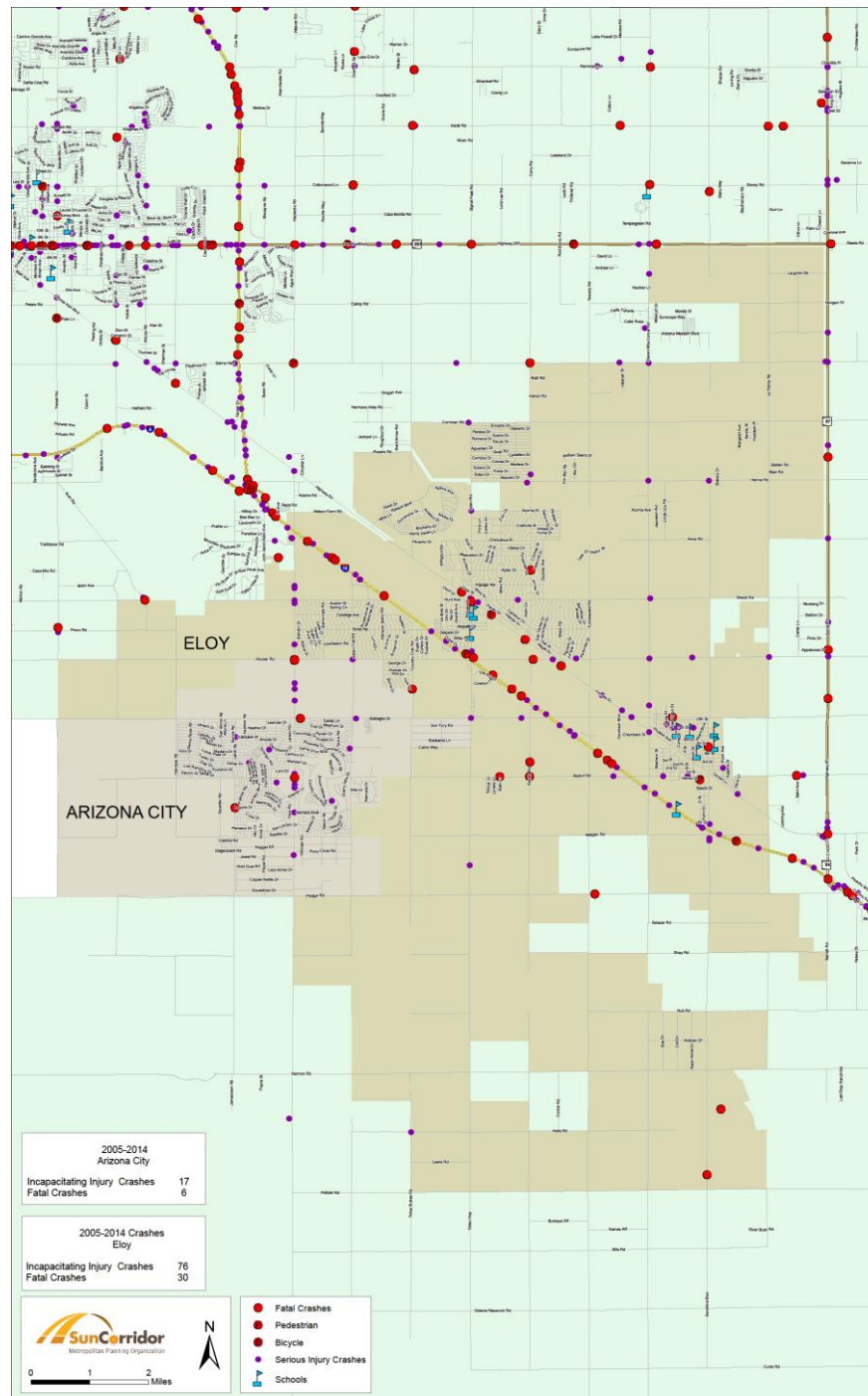
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 - ▶ Conduct Network Screening (identify crash hot spots)

Work Plan

Phase 2:

- ▶ Implementation Plan
- ▶ Funding and Program Resources
- ▶ Performance Measures
- ▶ Identify Safety Projects
- ▶ Develop HSIP Project Eligibility Requests



Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	120	284	673	447	2931	4455
Rear End	13	93	435	756	3060	4357
Angle	19	88	330	459	1515	2411
Sideswipe Same Direction	11	29	108	99	1427	1674
Left Turn	11	53	189	252	705	1210
Other	10	18	61	67	595	751
Rear To Side	0	0	6	8	509	523
Sideswipe Opposite Direction	1	7	32	30	205	275
Head On	26	20	35	31	113	225
Pedalcycle	2	13	73	69	48	205
Pedestrian	30	32	65	39	34	200
Unknown	0	2	12	16	152	182
Rear To Rear	0	1	2	3	51	57
Total	243	640	2021	2276	11345	16525

Crash Severity by Agency Boundary

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Type by Agency Boundary

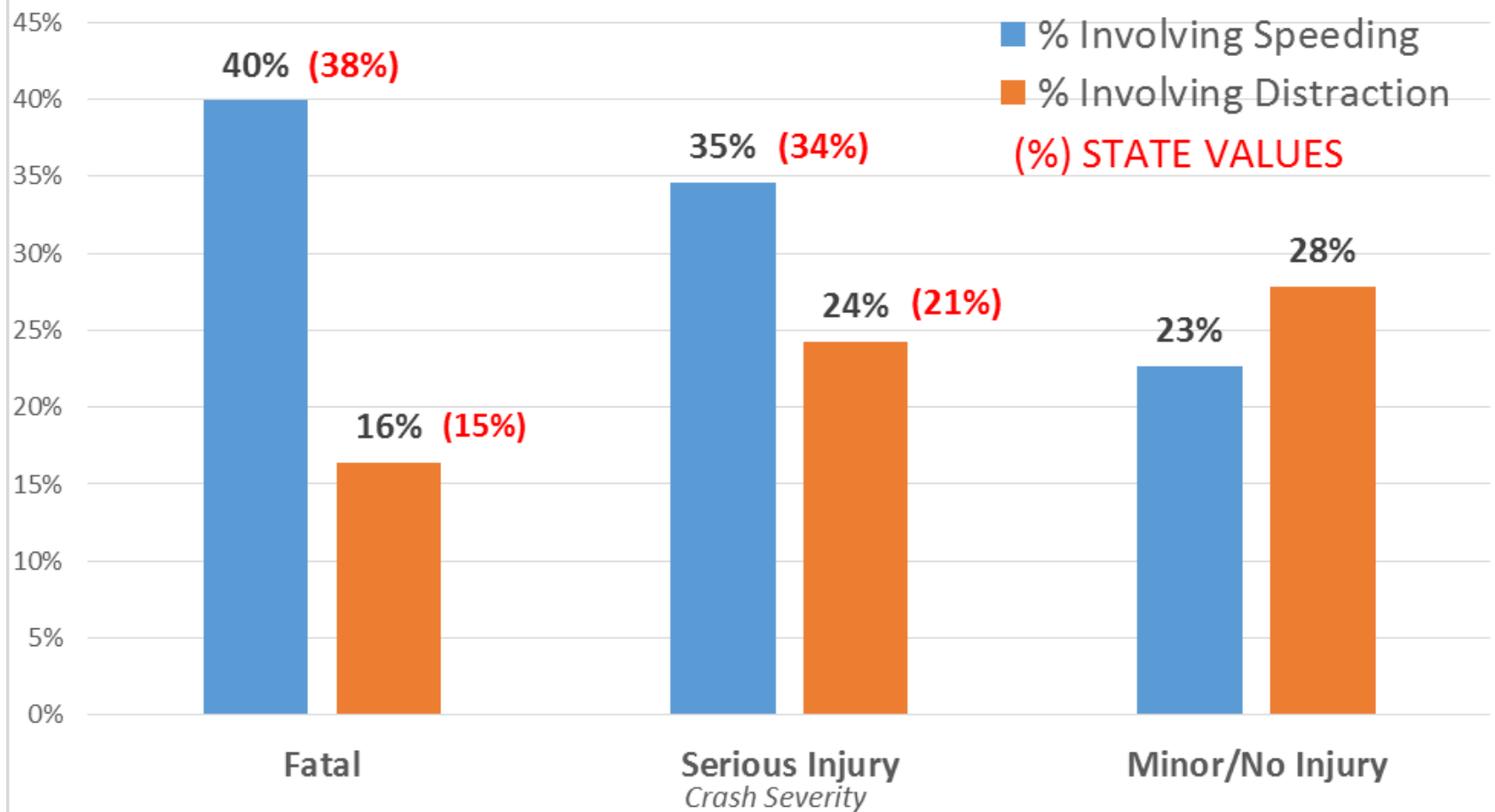
Agency	Angle	Head On	Left Turn	Other	Pedalcycle	Pedestrian	Rear End	Rear To Rear	Rear To Side	Sideswipe Opposite Direction	Sideswipe Same Direction	Single Vehicle	Unknown	Total
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Pinal County	265	37	86	247	13	20	769	5	43	42	466	1883	15	3891
Coolidge	371	33	148	83	21	28	403	10	113	47	159	413	17	1846
Eloy	200	22	46	91	9	21	321	5	55	22	189	579	12	1572
Arizona City	39	9	23	11	3	5	99	0	16	7	17	59	4	292
Total	2411	225	1210	751	205	200	4357	57	523	275	1674	4455	182	16525

City of Eloy Crashes

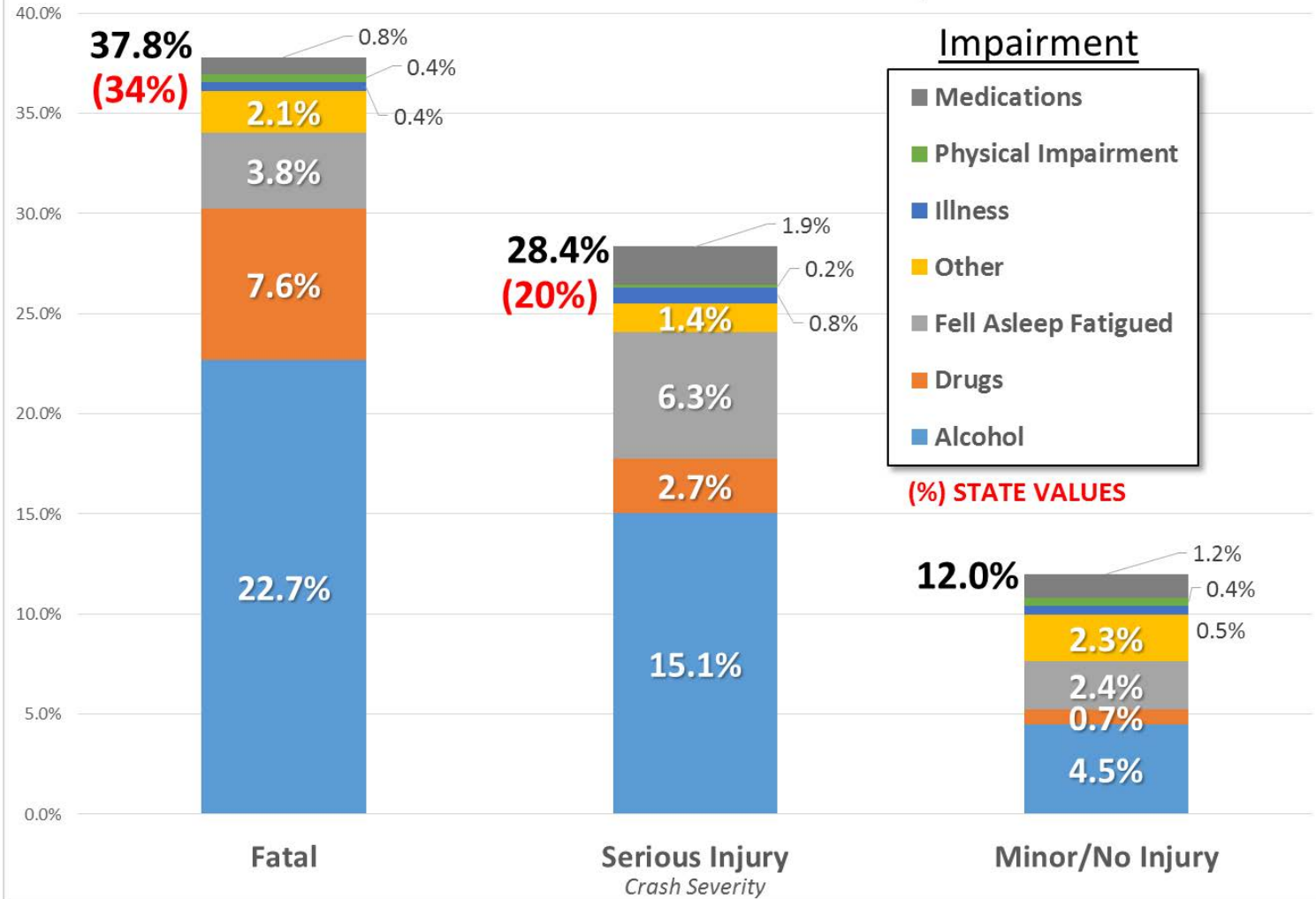
Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	17	40	89	64	369	579
Rear End	0	8	34	48	231	321
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Sideswipe Same Direction	2	3	22	12	150	189
Other	1	0	7	8	75	91
Rear To Side	0	0	1	0	54	55
Left Turn	0	4	4	7	31	46
Head On	3	2	1	3	13	22
Sideswipe Opposite Direction	0	2	2	3	15	22
Pedestrian	4	9	3	3	2	21
Unknown	0	0	0	0	12	12
Pedalcycle	0	3	2	3	1	9
Rear To Rear	0	0	0	1	4	5
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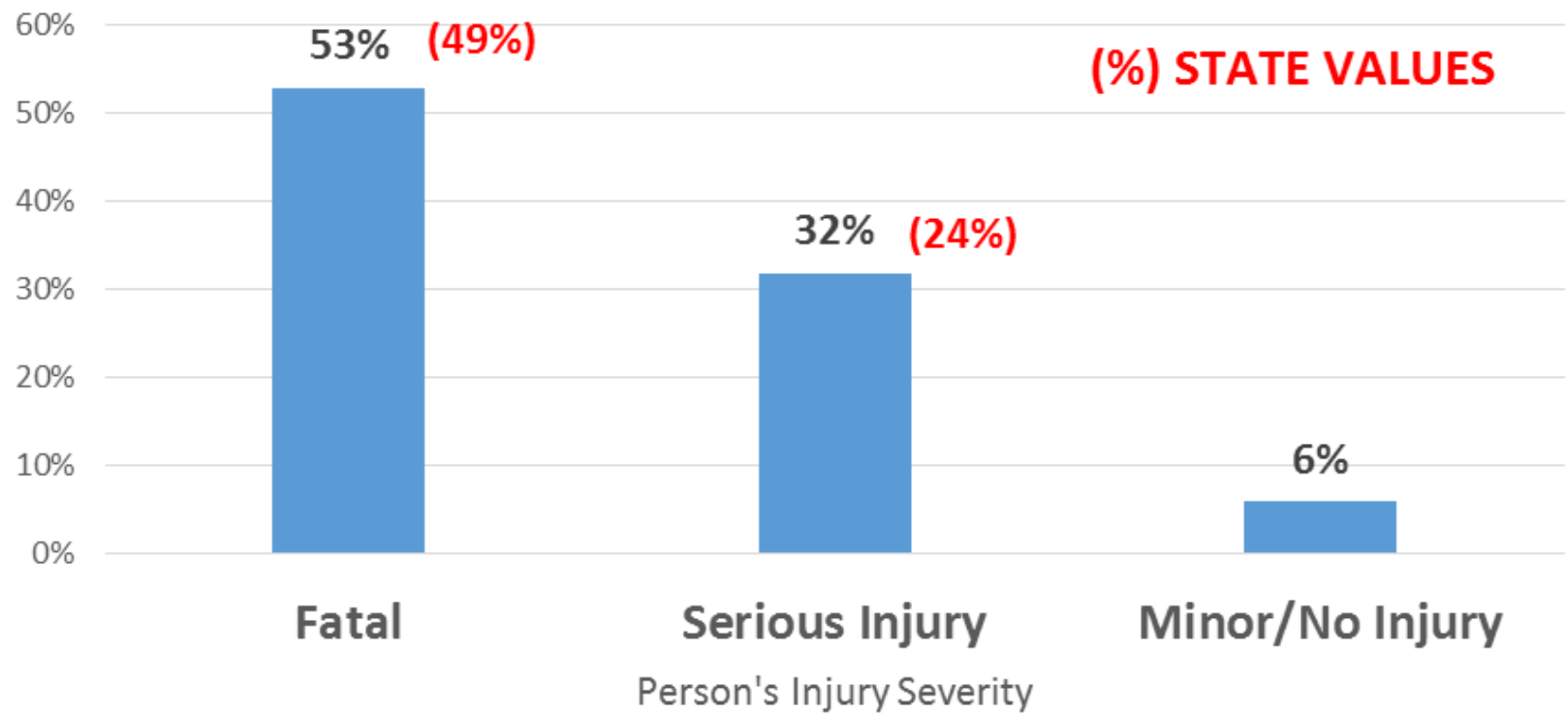
Crashes Involving Speeding or Distraction

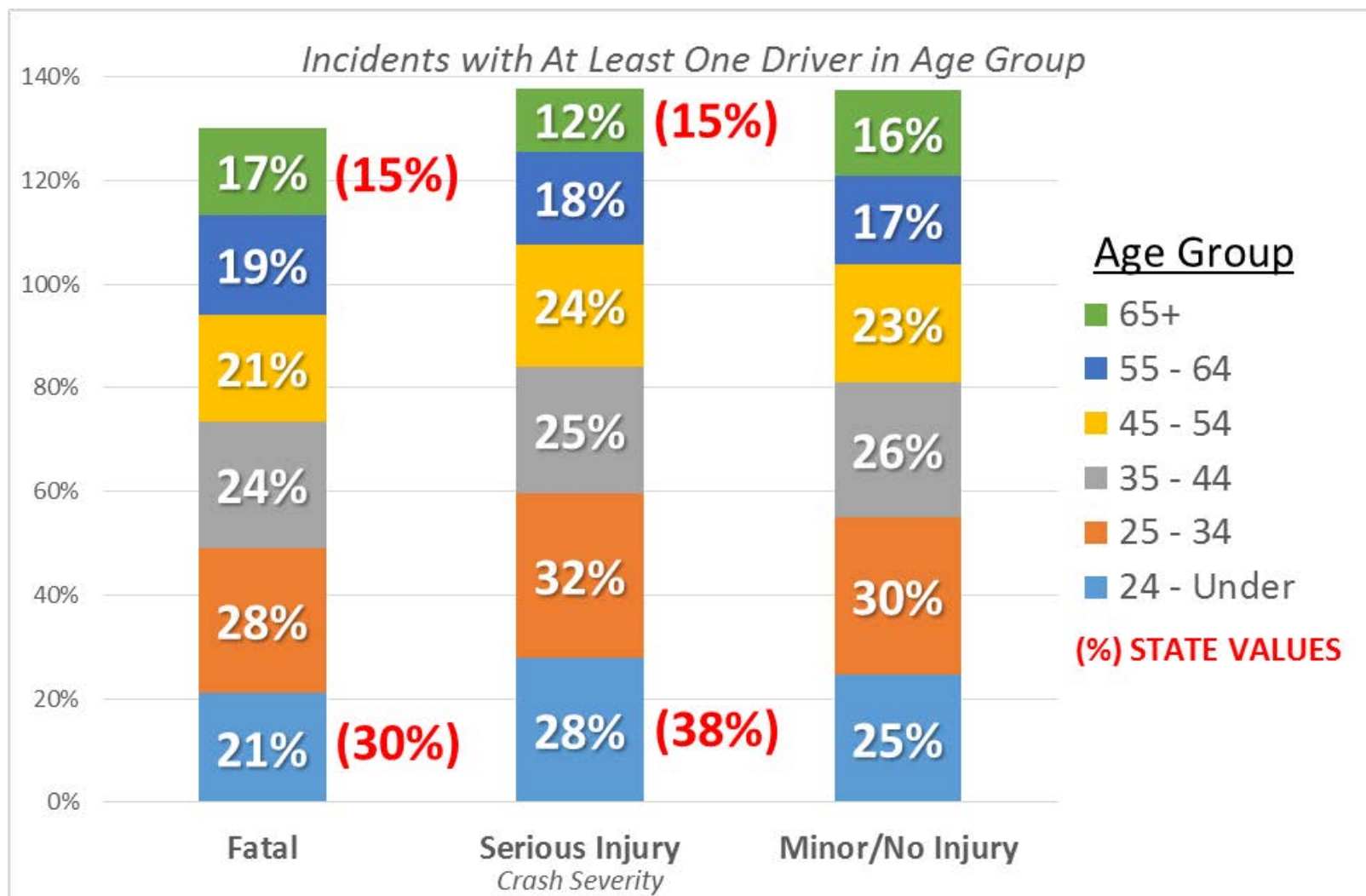


Crashes where At Least One Driver Had Impairment



Drivers & Passengers who were Unrestrained





Next Steps

- ▶ Determine emphasis areas
- ▶ Develop safety strategies
- ▶ Conduct network screening for project prioritization
- ▶ Identify and develop safety projects
- ▶ Public Meetings January 2016
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- ▶ Public Meetings and comment period August 2016

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CASA GRANDE CITY COUNCIL MEETING

November 16, 2015

Sun Corridor MPO Strategic Transportation Safety Plan

**Casa Grande City Council Meeting
November 16, 2015**

Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



Safety Plan Vision

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan; ensure compatibility with federal requirements

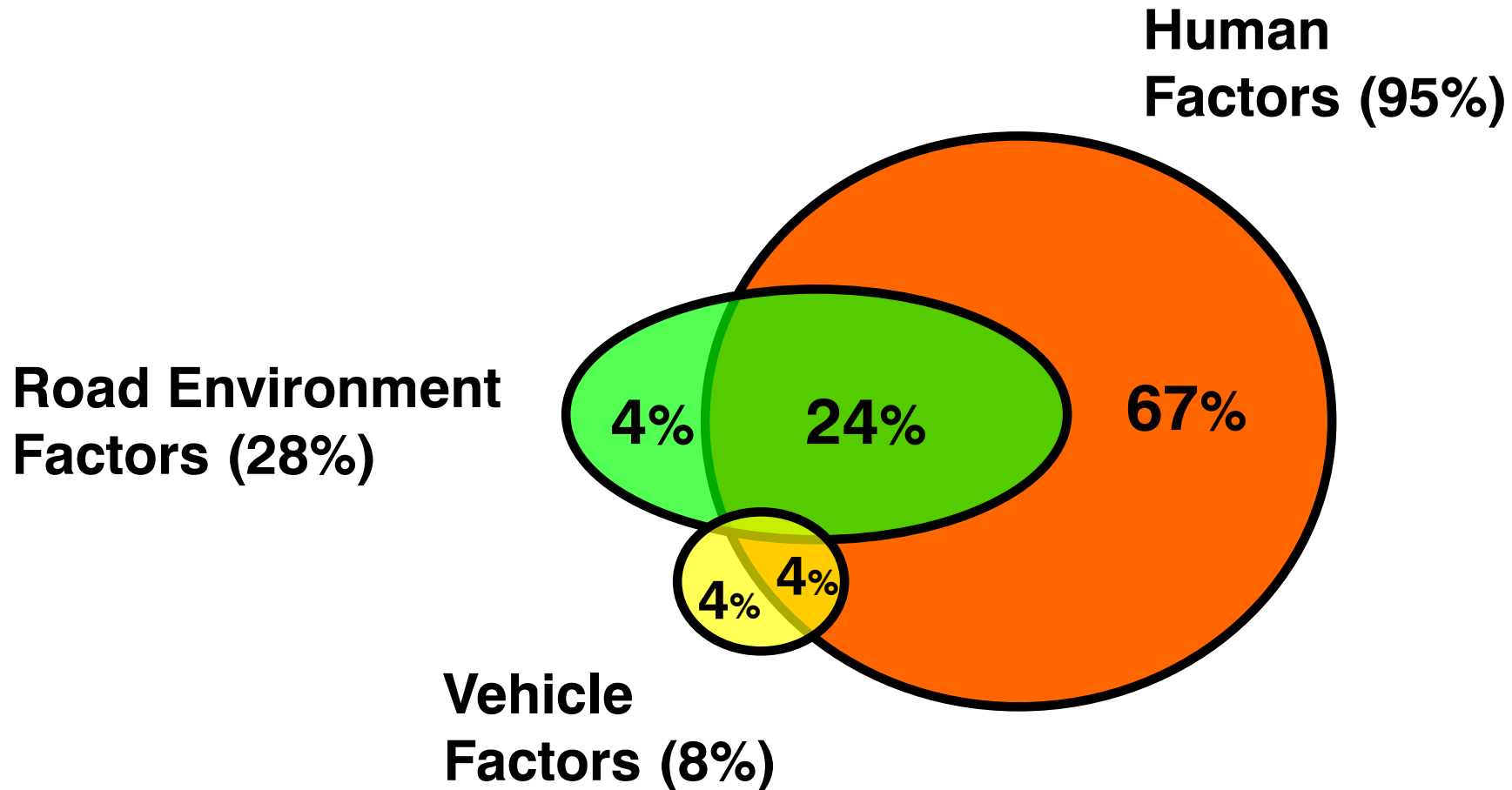


Ultimate objective:

Reduce traffic crash fatalities and injuries

Why Use the 4 E's?

Typical Reported Crash Causes



Work Plan

Phase 1:

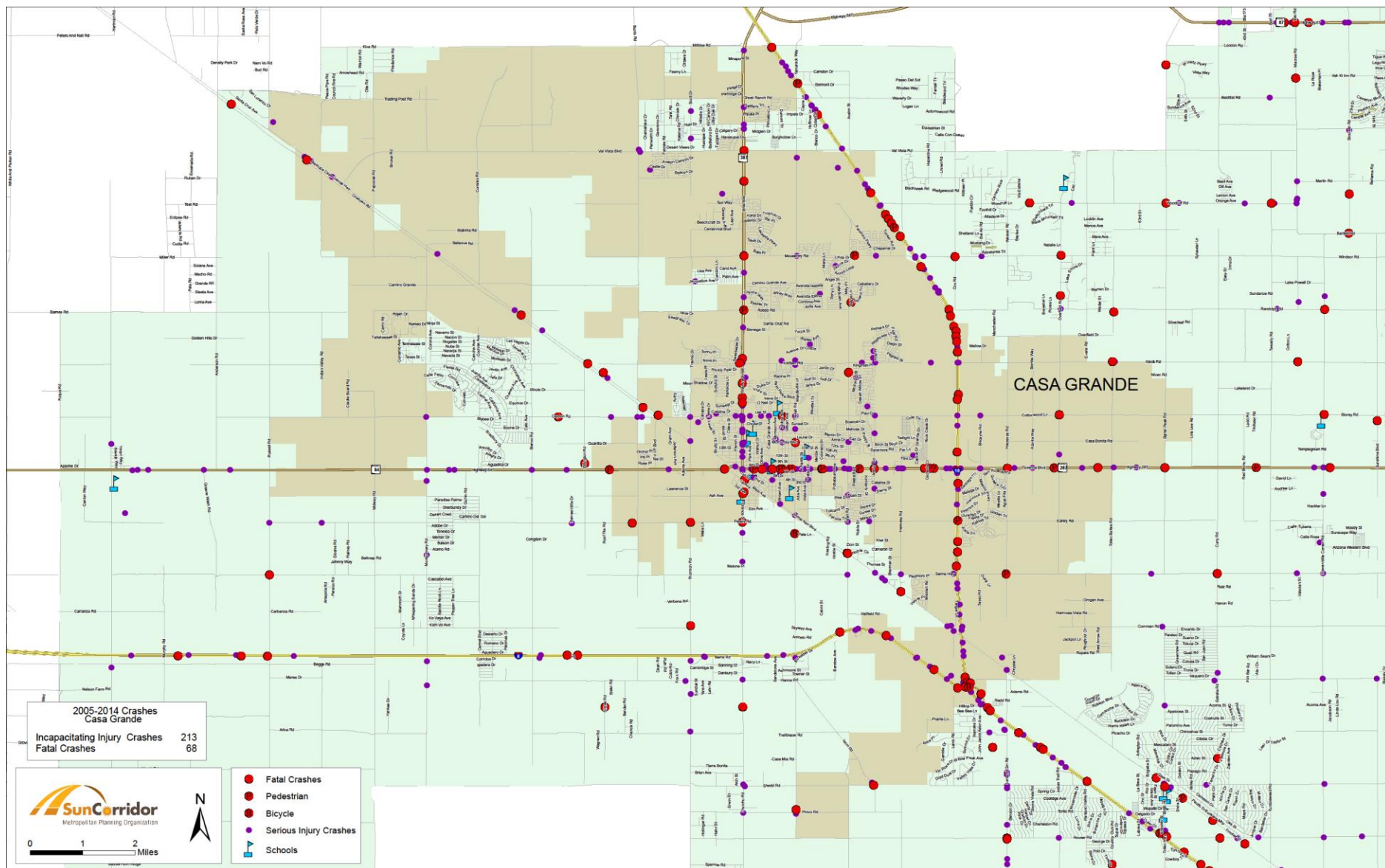
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Work Plan

Phase 2:

- ▶ Implementation Plan
- ▶ Funding and Program Resources
- ▶ Performance Measures
- ▶ Identify Safety Projects
- ▶ Develop HSIP Project Eligibility Requests

Fatal and Serious Injury Crash Locations



Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	120	284	673	447	2931	4455
Rear End	13	93	435	756	3060	4357
Angle	19	88	330	459	1515	2411
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Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
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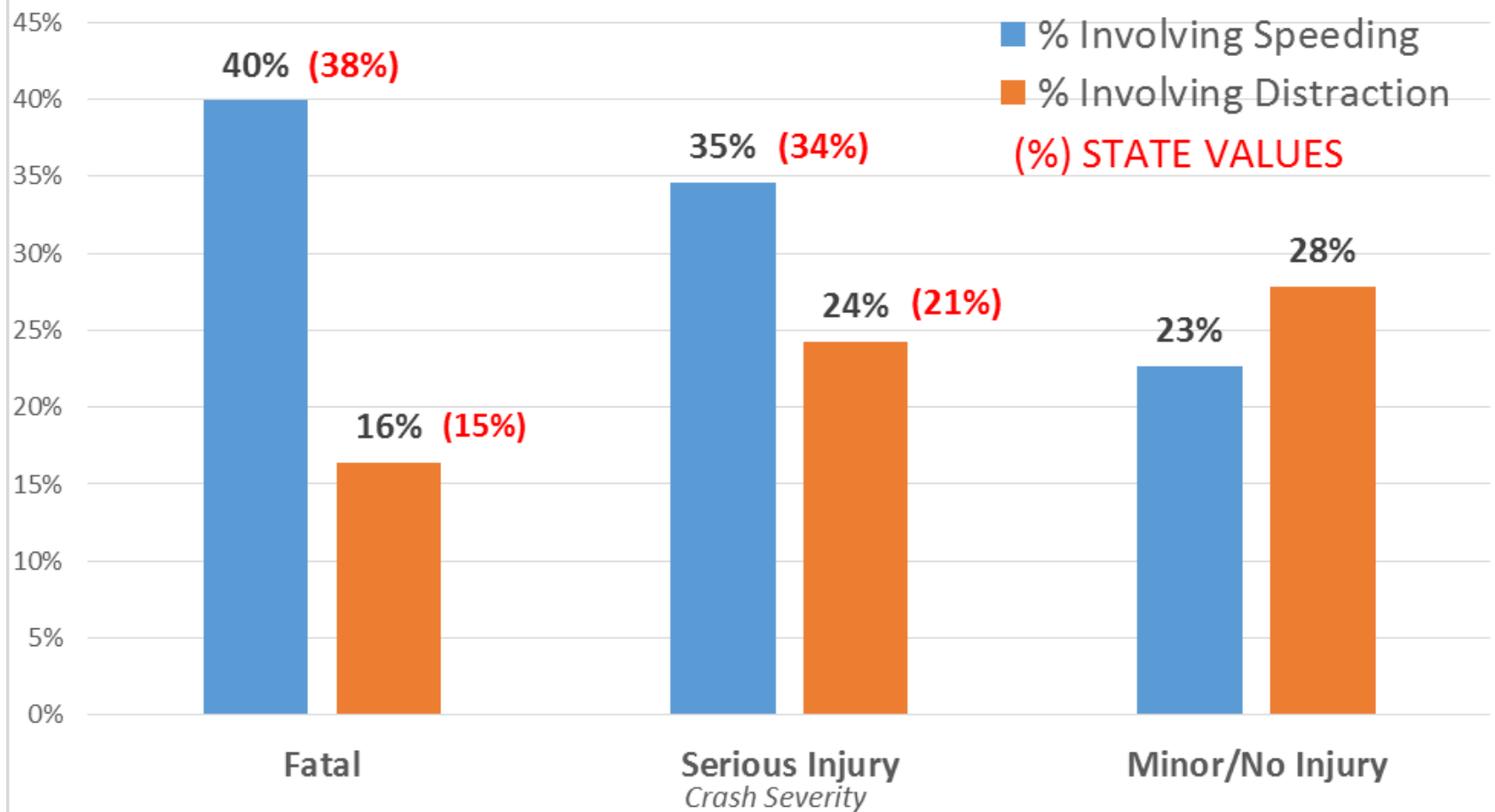
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City of Casa Grande Crashes

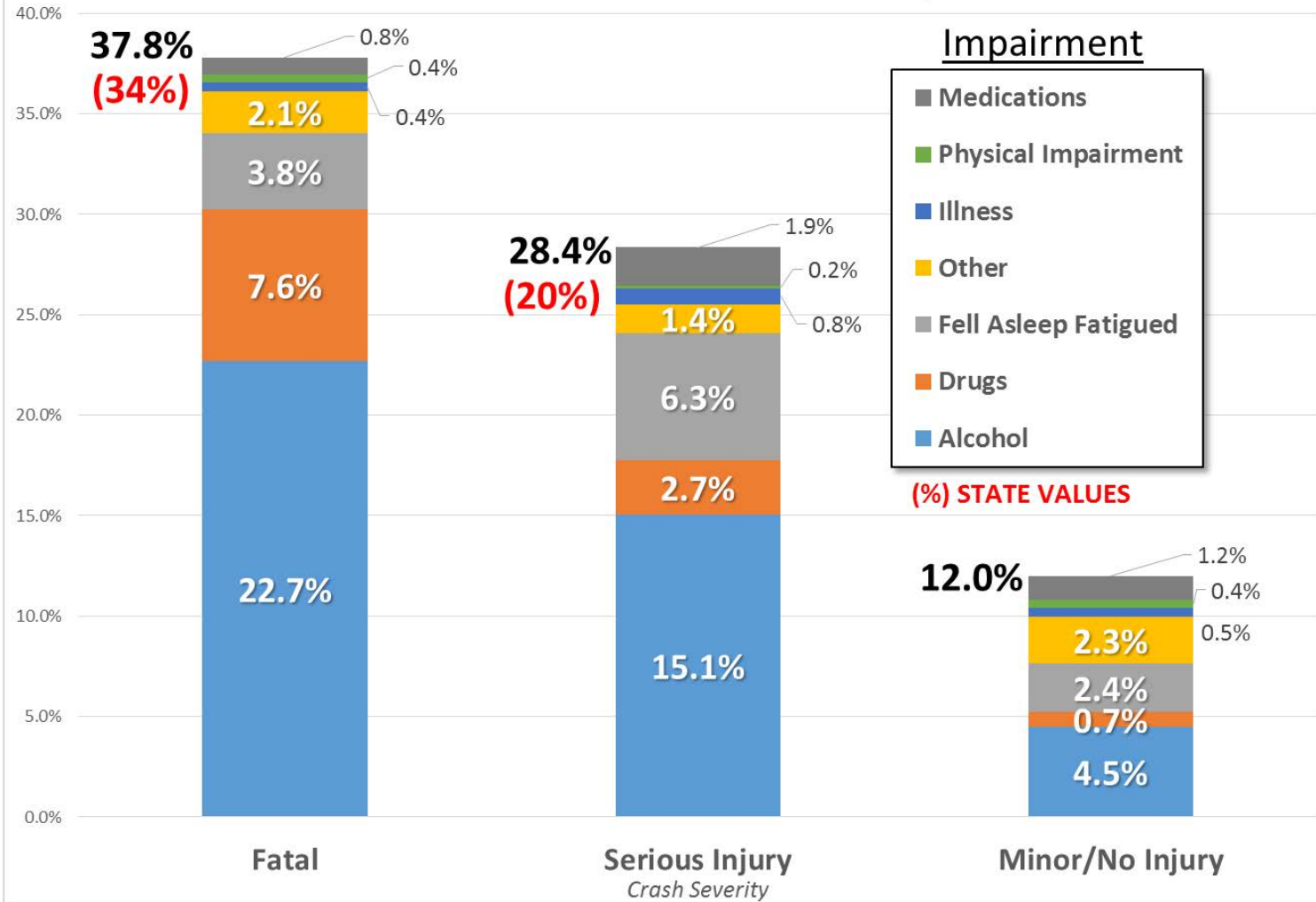
Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Rear End	4	23	236	512	1990	2765
Angle	7	35	208	302	984	1536
Single Vehicle	25	84	229	149	1034	1521
Left Turn	7	31	142	192	535	907
Sideswipe Same Direction	3	10	32	46	752	843
Other	0	2	28	40	249	319
Rear To Side	0	0	3	8	285	296
Pedalcycle	1	5	58	56	39	159
Sideswipe Opposite Direction	0	1	15	21	120	157
Unknown	0	1	6	15	112	134
Pedestrian	16	12	42	28	28	126
Head On	5	9	18	21	71	124
Rear To Rear	0	0	2	2	33	37
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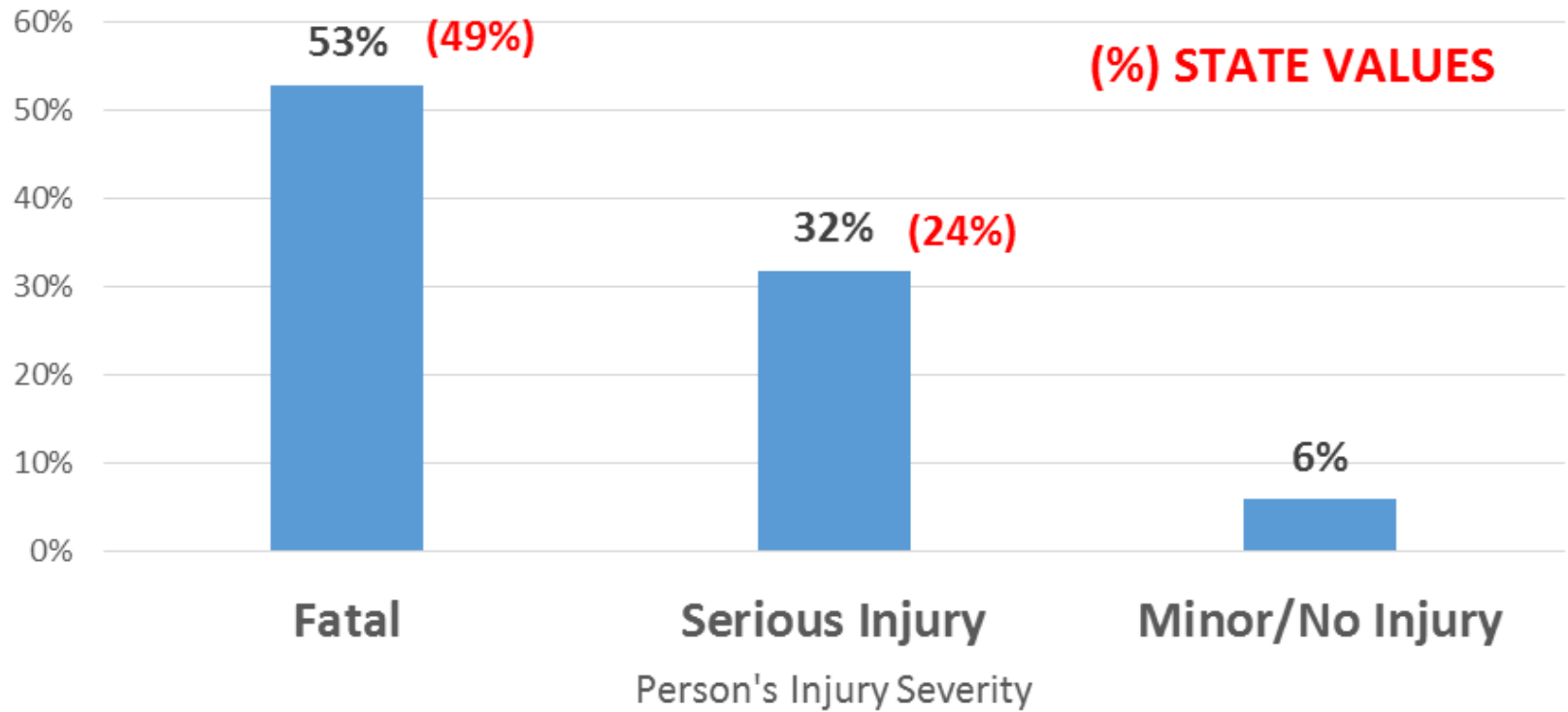
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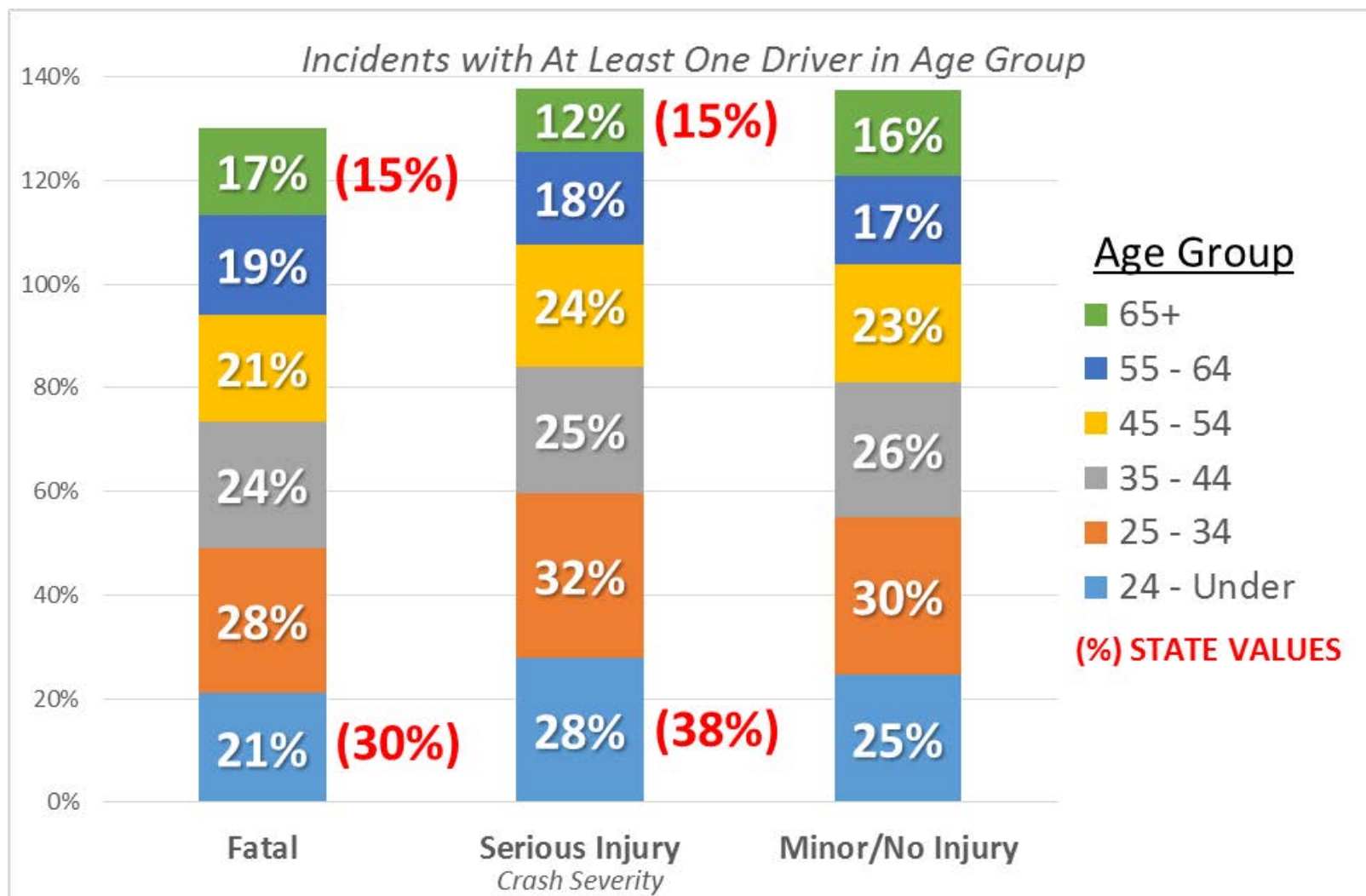


Crashes where At Least One Driver Had Impairment



Drivers & Passengers who were Unrestrained





Next Steps

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COOLIDGE CITY COUNCIL MEETING

November 23, 2015

Sun Corridor MPO Strategic Transportation Safety Plan

**Coolidge City Council Meeting
November 23, 2015**

Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



Safety Plan Vision

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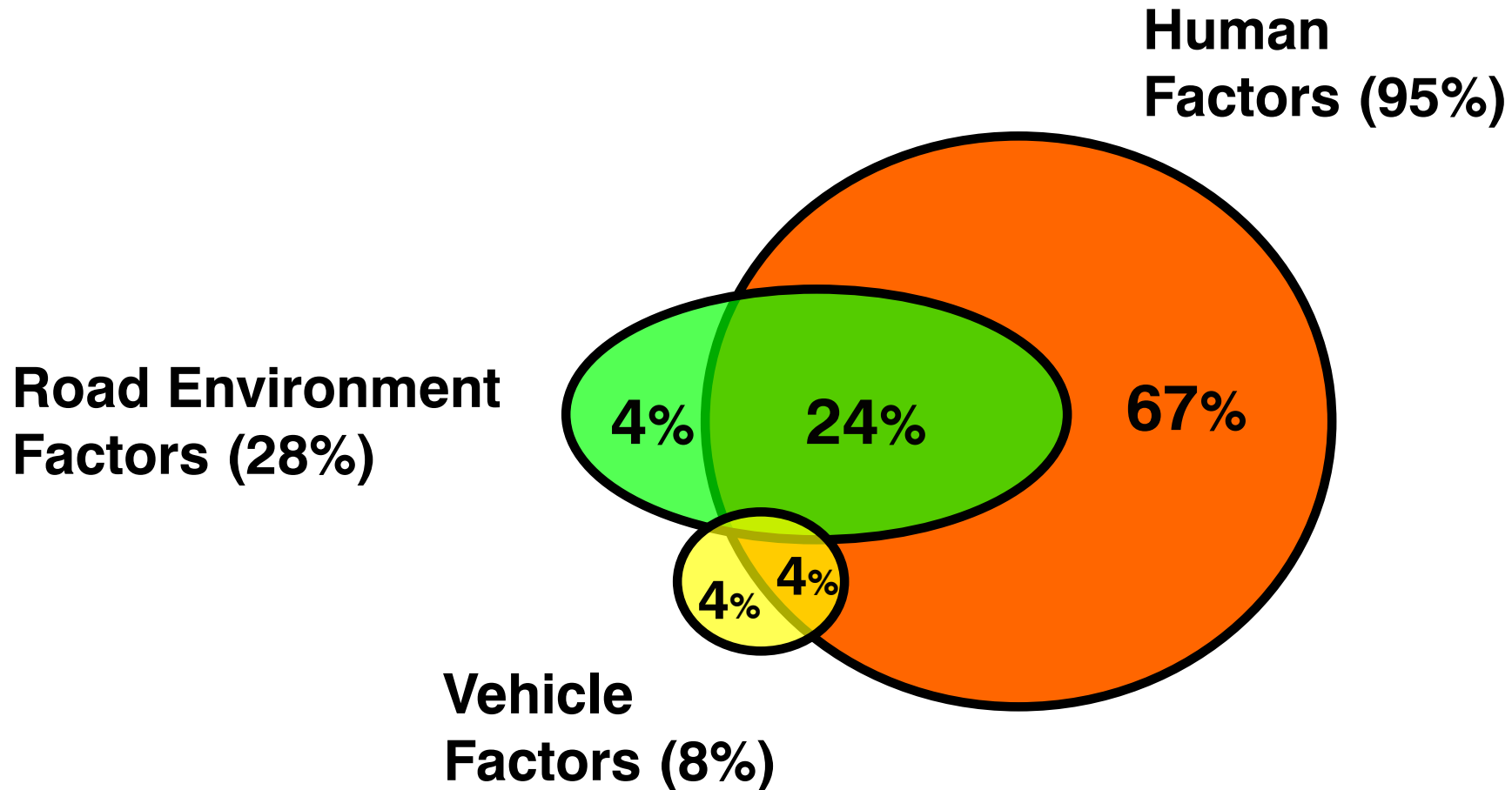


Ultimate objective:

Reduce traffic crash fatalities and injuries

Why Use the 4 E's?

Typical Reported Crash Causes



Work Plan

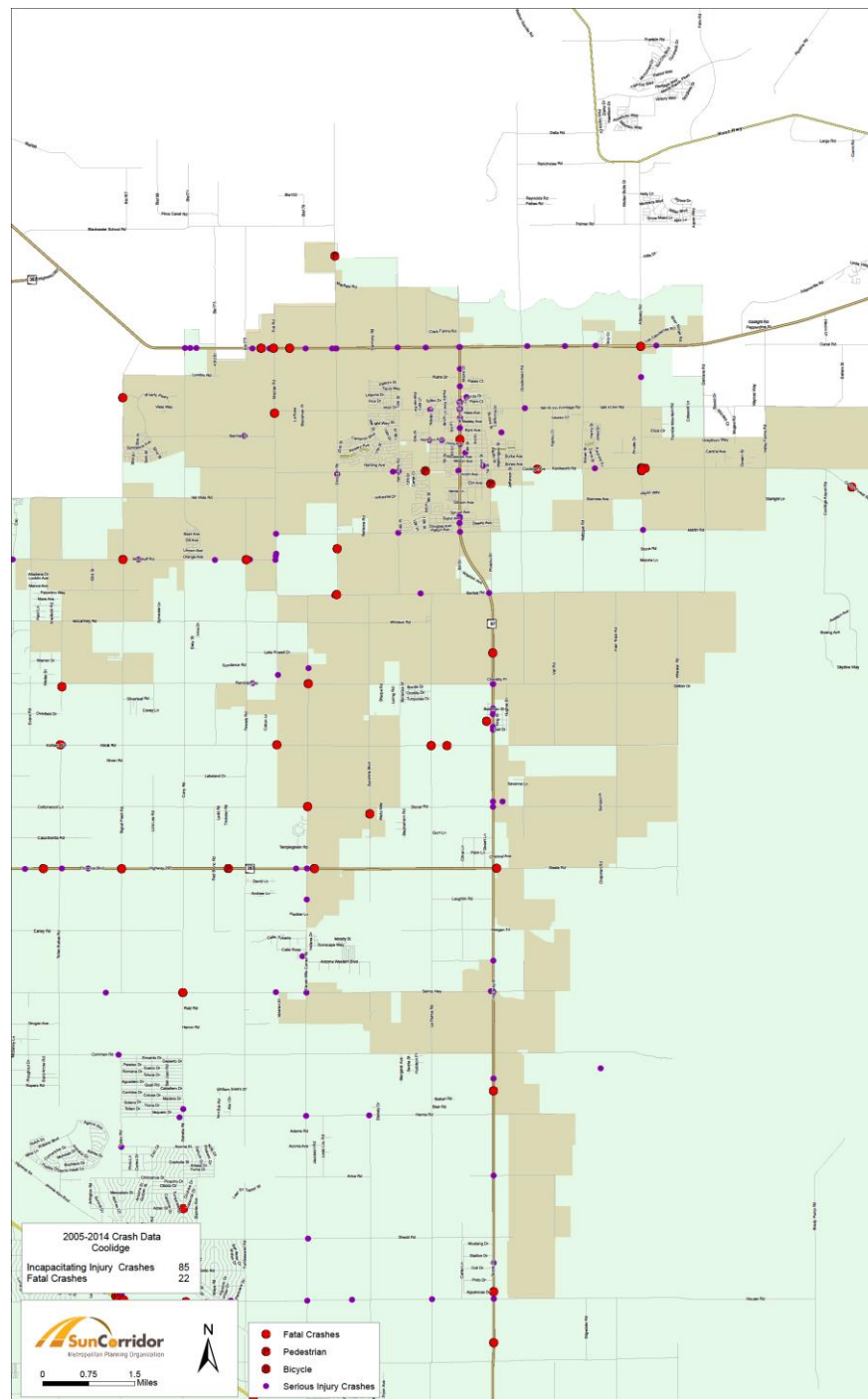
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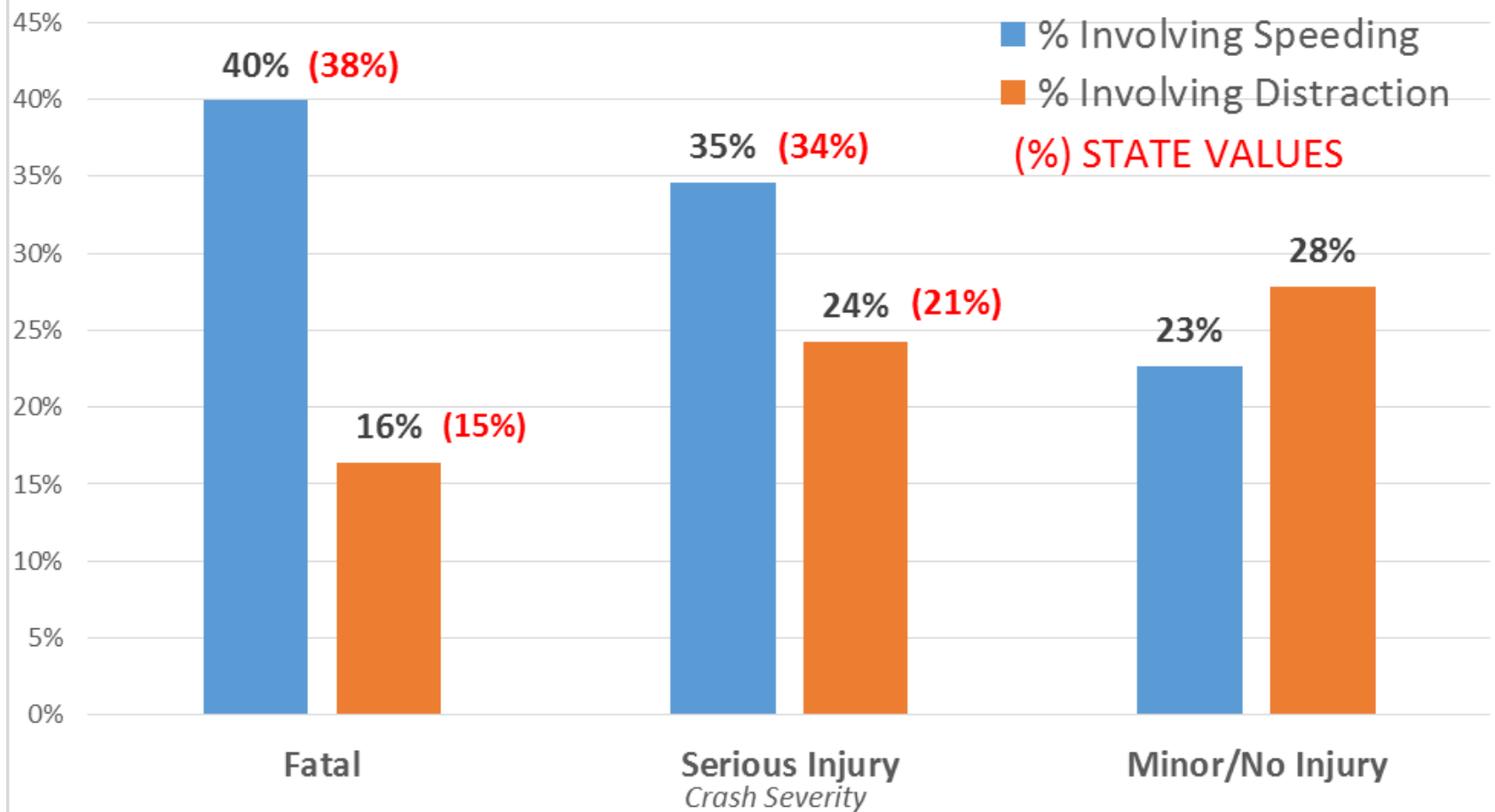
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City of Coolidge Crashes

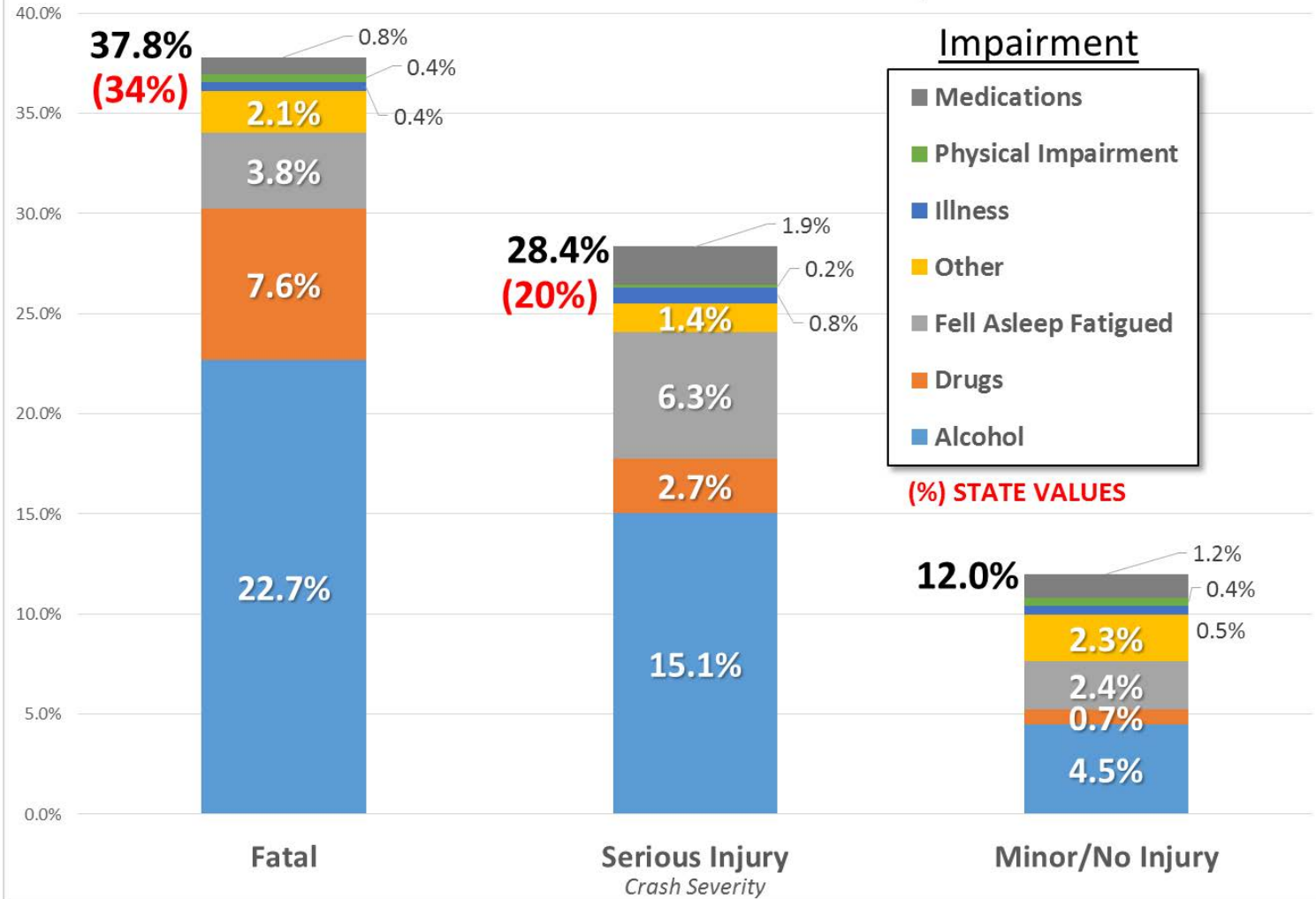
Crash Severity by Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	8	19	51	57	278	413
Rear End	1	16	36	69	281	403
Angle	1	26	45	65	234	371
Sideswipe Same Direction	1	1	12	10	135	159
Left Turn	4	6	19	31	88	148
Rear To Side	0	0	0	0	113	113
Other	1	3	3	9	67	83
Sideswipe Opposite Direction	0	1	7	4	35	47
Head On	4	5	6	3	15	33
Pedestrian	2	5	10	8	3	28
Pedalcycle	0	3	3	9	6	21
Unknown	0	0	3	0	14	17
Rear To Rear	0	0	0	0	10	10
Total	22	85	195	265	1279	1846

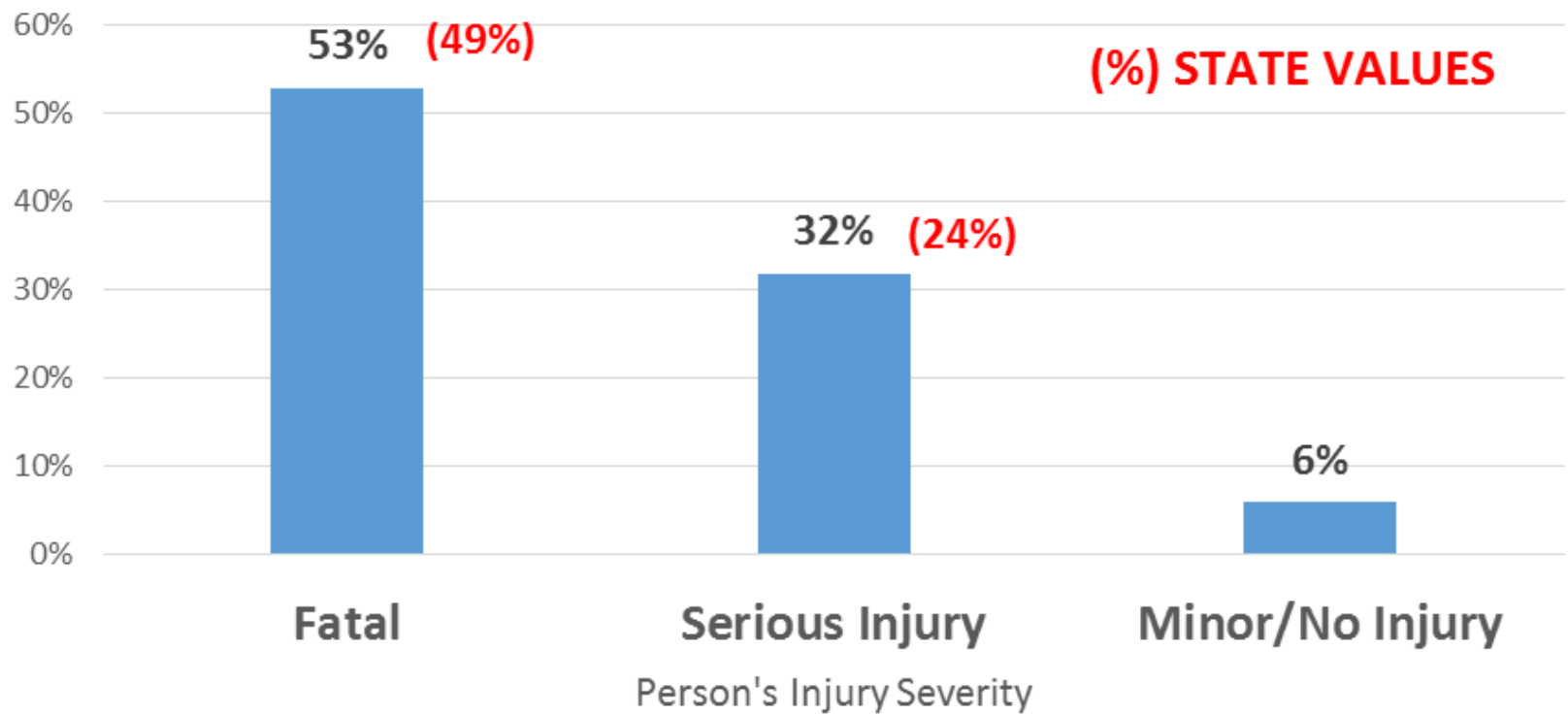
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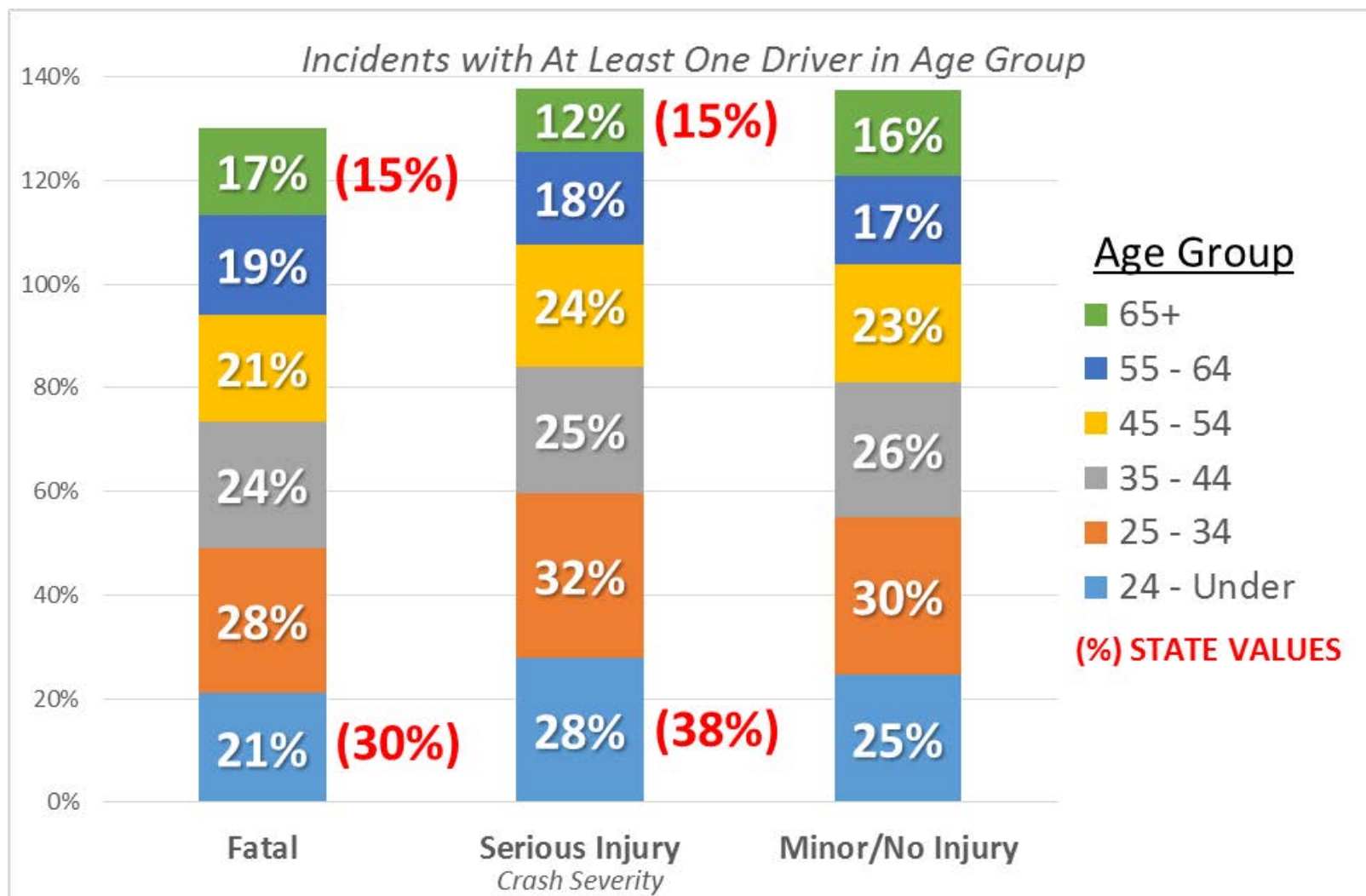


Crashes where At Least One Driver Had Impairment



Drivers & Passengers who were Unrestrained





Next Steps

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COOLIDGE CITY COUNCIL MEETING

October 10, 2016

Sun Corridor MPO Strategic Transportation Safety Plan

**Coolidge City Council Meeting
October 10, 2016**

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan



Ultimate objective:

Reduce traffic crash fatalities and injuries

Safety Plan Vision and Goal

Vision:

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Goal:

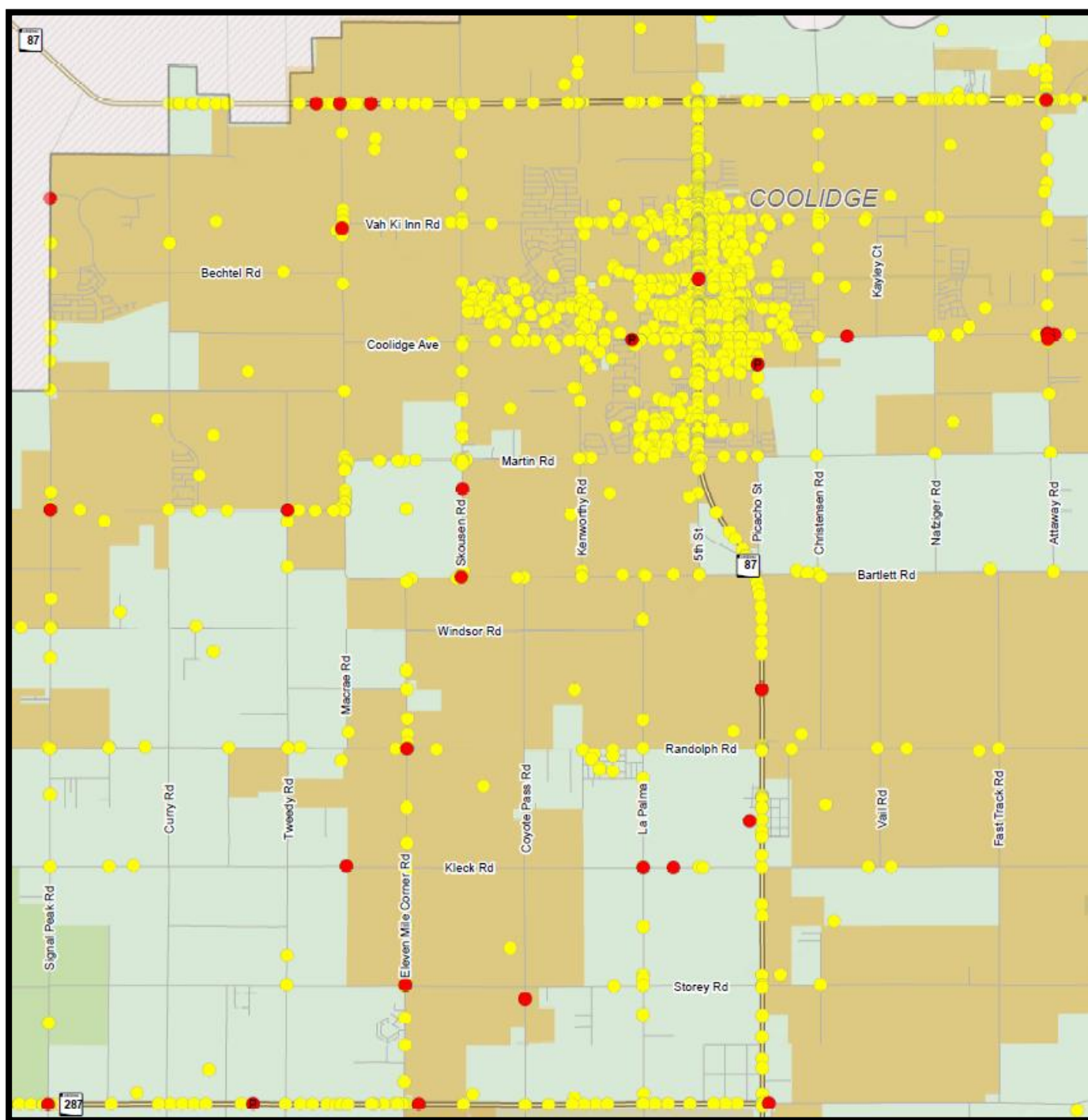
“Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

Regional Crashes

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes





Coolidge Crashes (2005-2014)

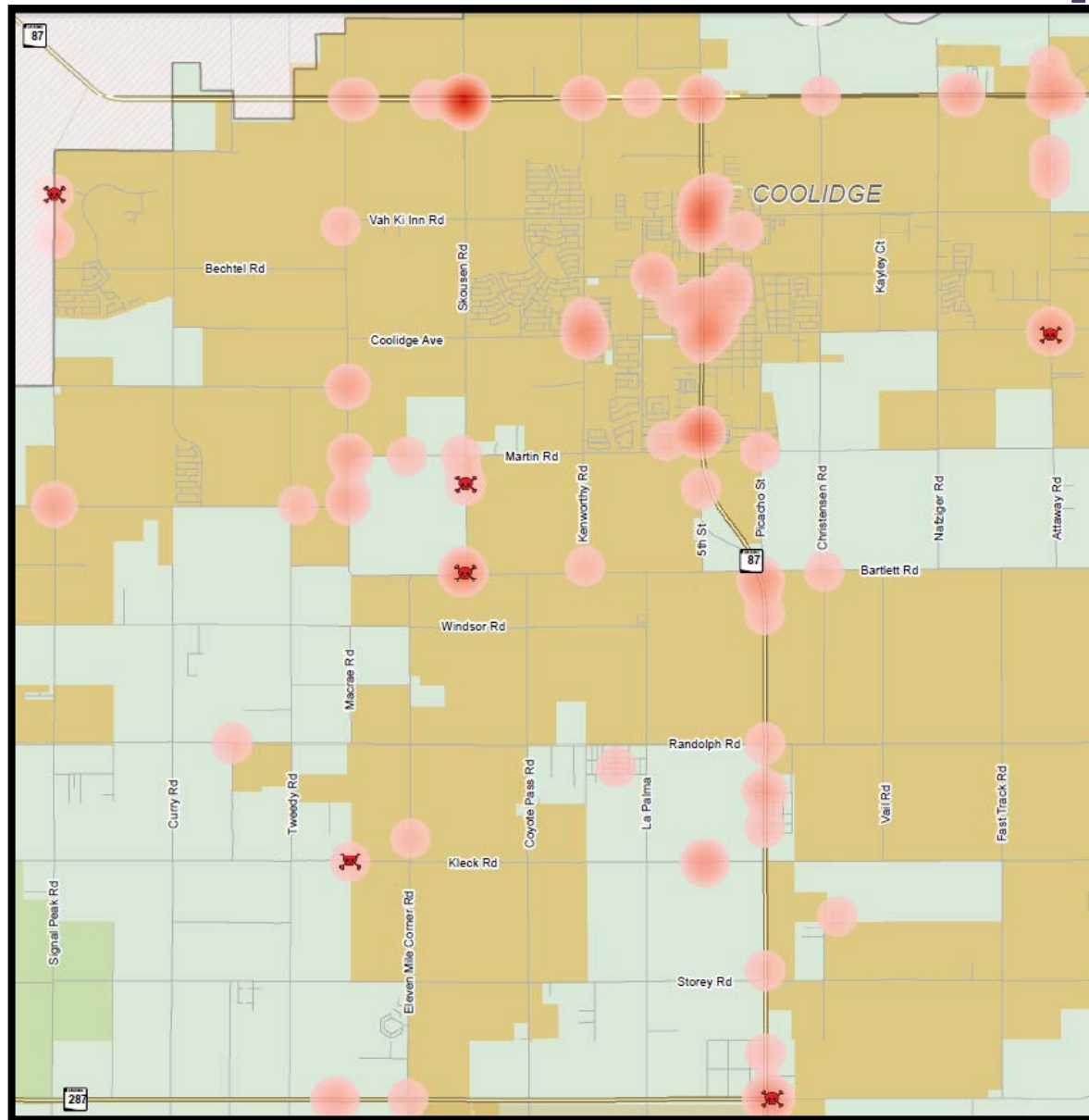
Crash Severity by Crash Type

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Single Vehicle	8	19	51	57	278	413
Rear End	1	16	36	69	281	403
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Left Turn	4	6	19	31	88	148
Rear To Side	0	0	0	0	113	113
Other	1	3	3	9	67	83
Sideswipe Opposite Direction	0	1	7	4	35	47
Head On	4	5	6	3	15	33
Pedestrian	2	5	10	8	3	28
Bicyclist	0	3	3	9	6	21
Unknown	0	0	3	0	14	17
Rear To Rear	0	0	0	0	10	10
Total	22	85	195	265	1279	1846

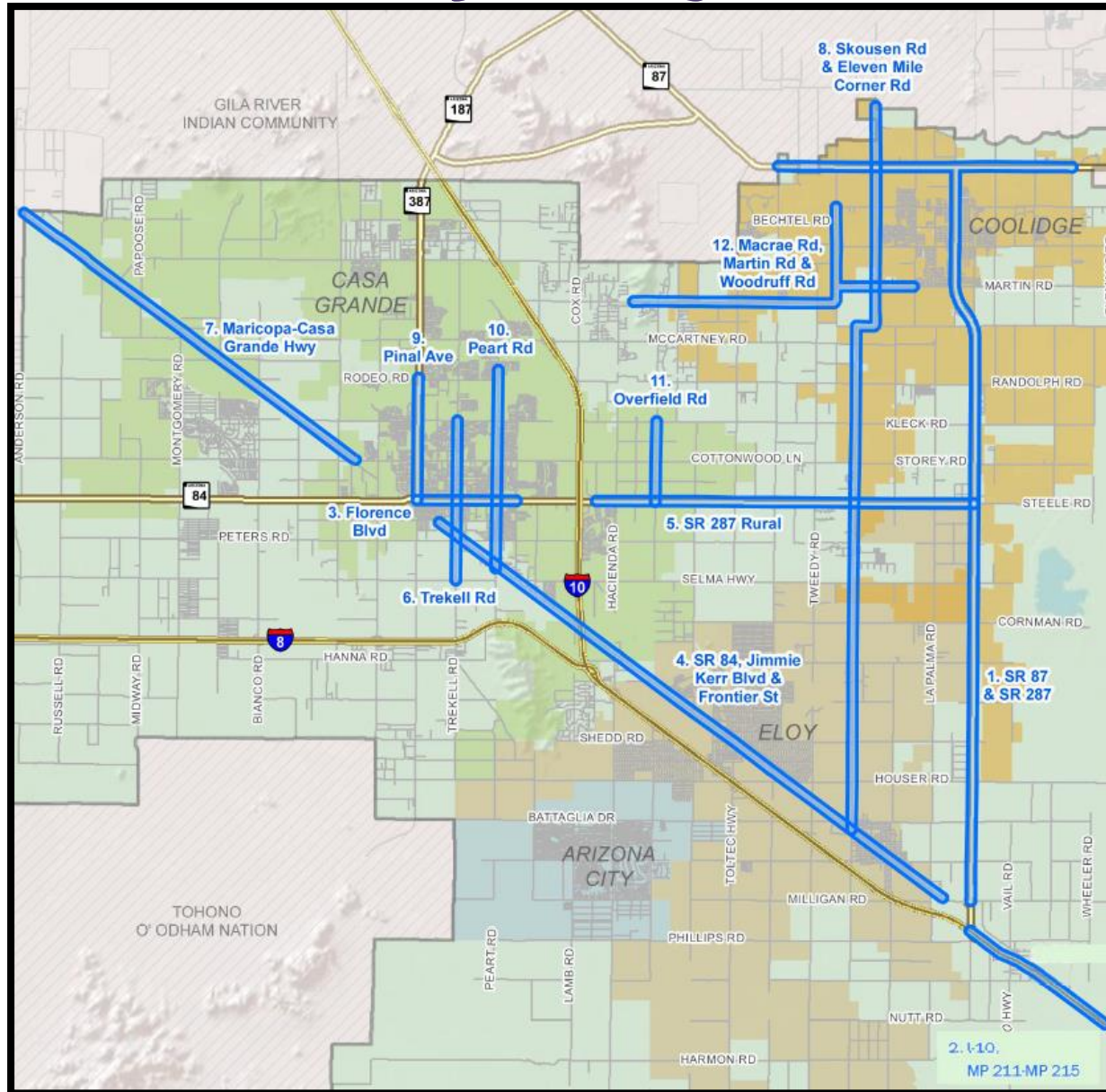
Emphasis Areas

- Speeding
- Impaired Driving
- Occupant Protection
- Distracted Driving
- Young Drivers (Under 25)
- Older Drivers (65+)
- Pedestrians
- Intersection
- Lane/Road Departure
- Weather-related

Enforcement Crash Heat Maps



Potential Safety Projects



Next Steps

- ▶ SCMPO Executive Board Presentation/Approval
 - ▶ November 8th
- ▶ Public Meeting November 9th
 - ▶ Central Arizona College, 8470 N. Overfield Rd
- ▶ Final Report December 5th

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ELOY CITY COUNCIL MEETING

October 24, 2016

Sun Corridor MPO Strategic Transportation Safety Plan

**Eloy City Council Meeting
October 24, 2016**

Safety Plan Objectives

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 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan



Ultimate objective:

Reduce traffic crash fatalities and injuries

Safety Plan Vision and Goal

Vision:

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Goal:

“Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

Regional Crashes

SCMPO region crashes for past 10 years (2005–2014):

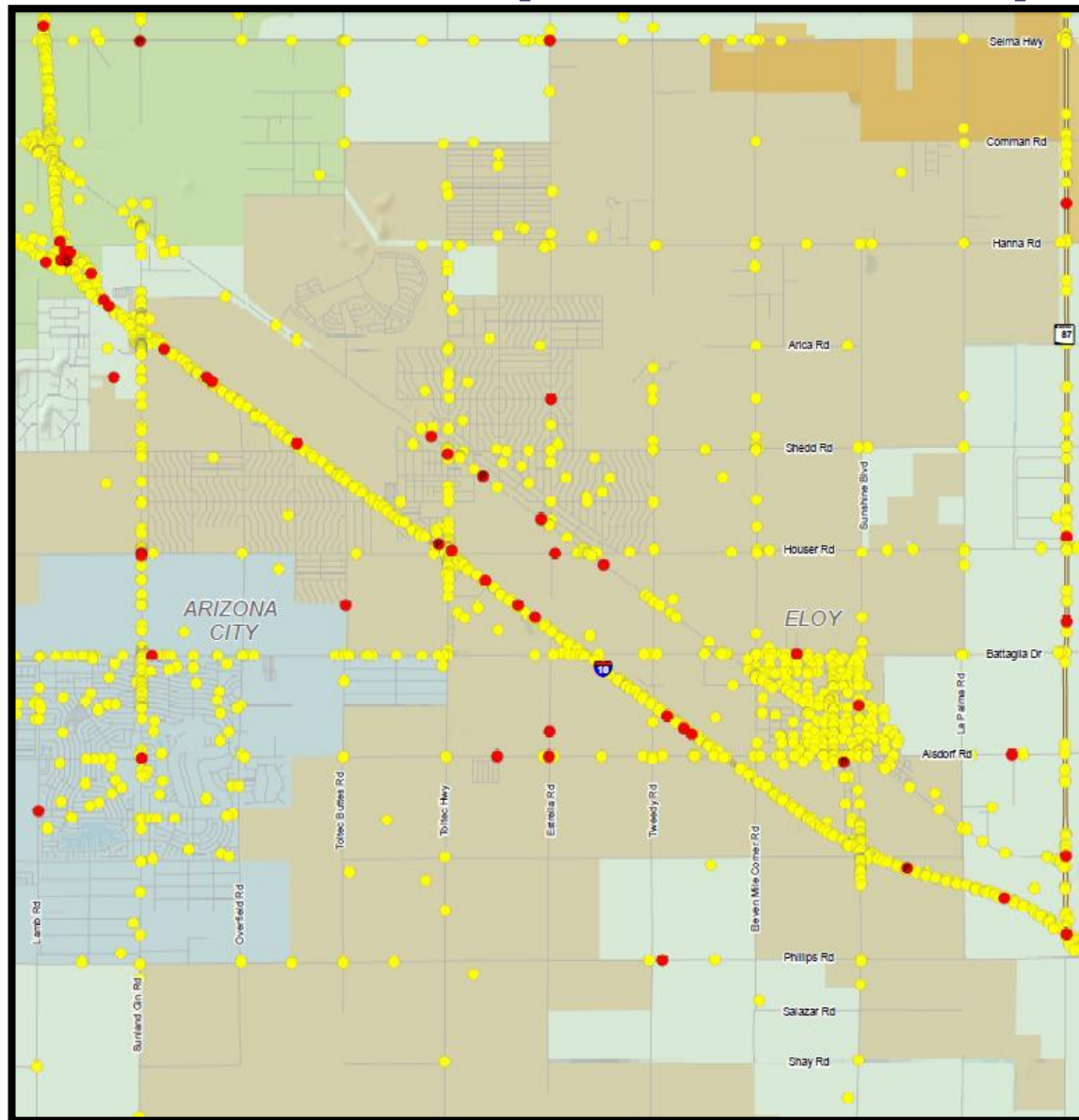
- ▶ 16,525 total crashes
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Eloy Crashes (2005-2014)

Collision Manner	Fatal	Serious Injury	Non Serious Injury	Possible Injury	No Injury	Total
Single Vehicle	17	40	89	64	369	579
Rear Ends	0	8	34	48	231	321
Angle	3	5	28	36	128	200
Sideswipe Same Direction	2	3	22	12	150	189
Other	1	0	7	8	75	91
Rear To Side	0	0	1	0	54	55
Left Turn	0	4	4	7	31	46
Head On	3	2	1	3	13	22
Sideswipe Opposite Direction	0	2	2	3	15	22
Pedestrian	4	9	3	3	2	21
Unknown	0	0	0	0	12	12
Bicyclist	0	3	2	3	1	9
Rear To Rear	0	0	0	1	4	5
Total	30	76	193	188	1085	1572

Crash Locations (2005-2014)

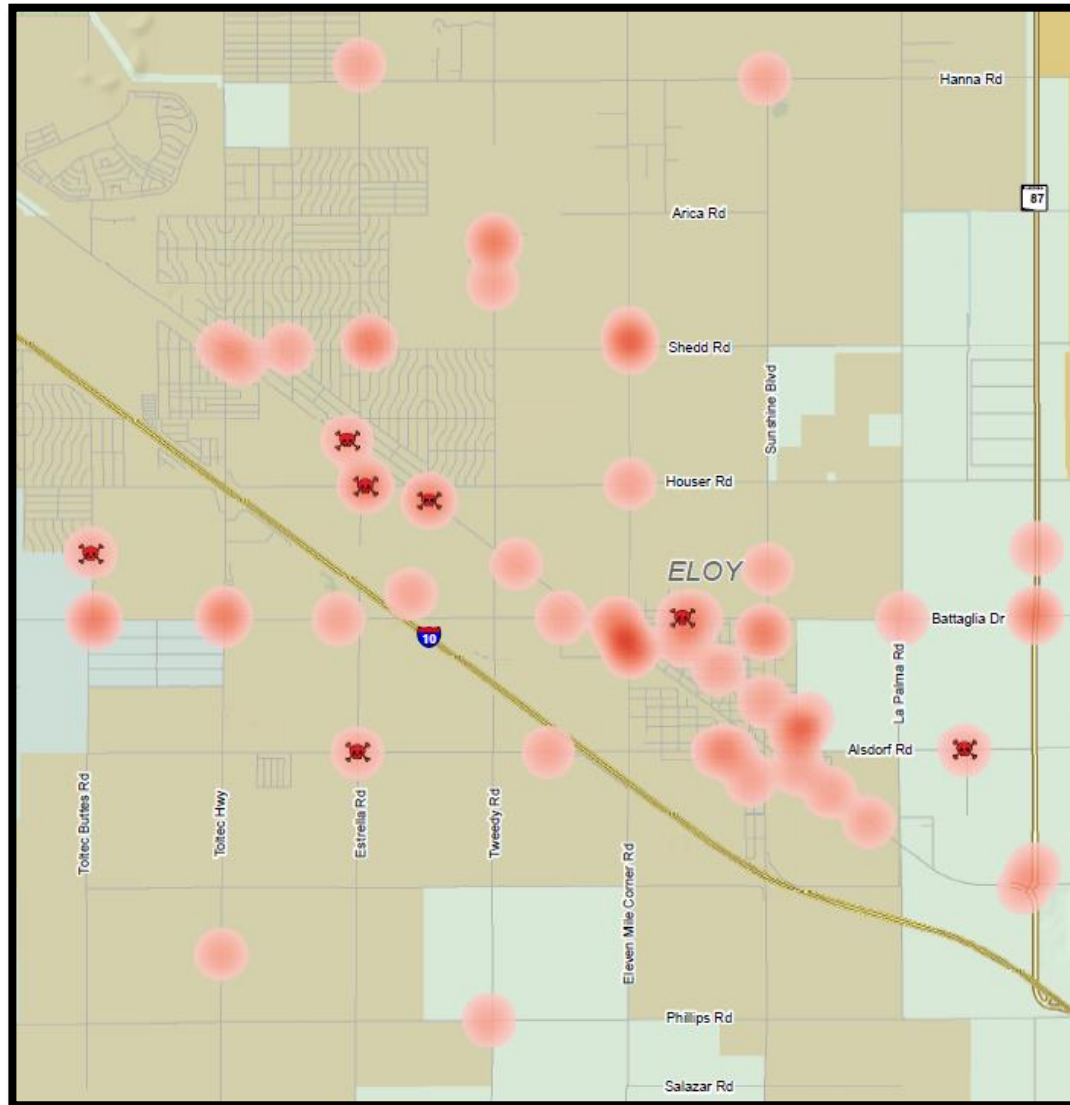


Emphasis Areas

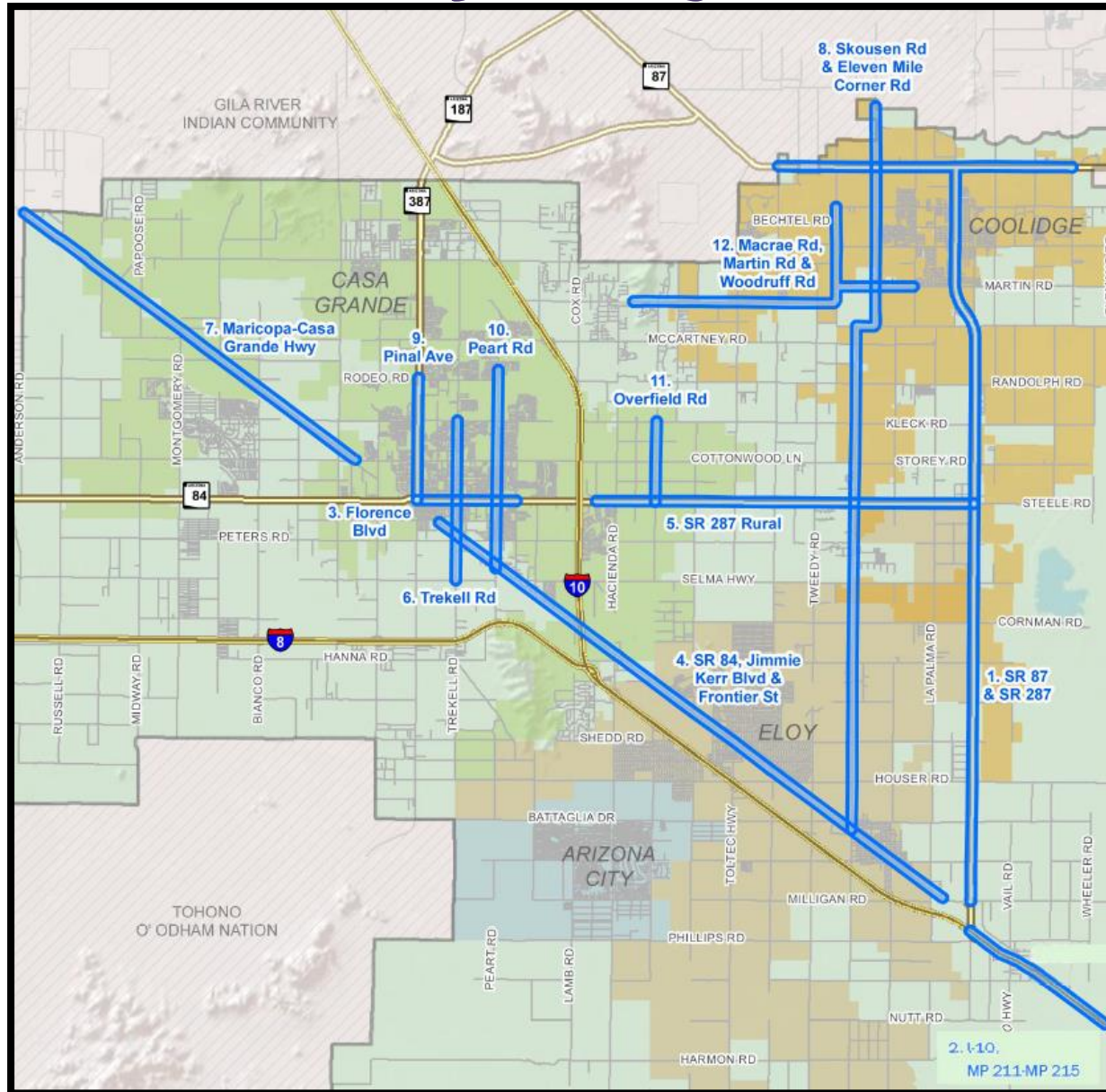
- Speeding
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- Occupant Protection
- Distracted Driving
- Young Drivers (Under 25)
- Older Drivers (65+)
- Pedestrians
- Intersection
- Lane/Road Departure
- Weather-related

Driver Violation Crash Heat Maps

Impaired driving, speeding, lack of seat belt crashes



Potential Safety Projects



Potential Safety Projects

Projects
Jimmie Kerr Blvd/Frontier St
Skousen Rd, Eleven Mile Corner Rd
SR 287 & SR 87
Systemic Lane Departures
Macrae Rd, Martin Rd, Woodruff Rd
Trekell Rd
Maricopa-Casa Grande Hwy
I-10 Picacho
Pinal Avenue (SR 387)
Peart Rd
Overfield Rd
Florence Blvd
SR 287 Rural

Next Steps

- ▶ SCMPO Executive Board Presentation/Approval
 - ▶ November 8th
- ▶ Public Meeting November 9th
 - ▶ Central Arizona College, 8470 N. Overfield Rd
- ▶ Final Report December 5th

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PINAL COUNTY BOARD OF SUPERVISORS MEETING

November 9, 2016

Sun Corridor MPO

Strategic Transportation Safety Plan

Pinal County Board of Supervisors Meeting

November 9, 2016

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan



Ultimate objective:

Reduce traffic crash fatalities and injuries

Safety Plan Vision and Goal

Vision:

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Goal:

“Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

Regional Crashes

SCMPO region crashes for past 10 years (2005–2014):

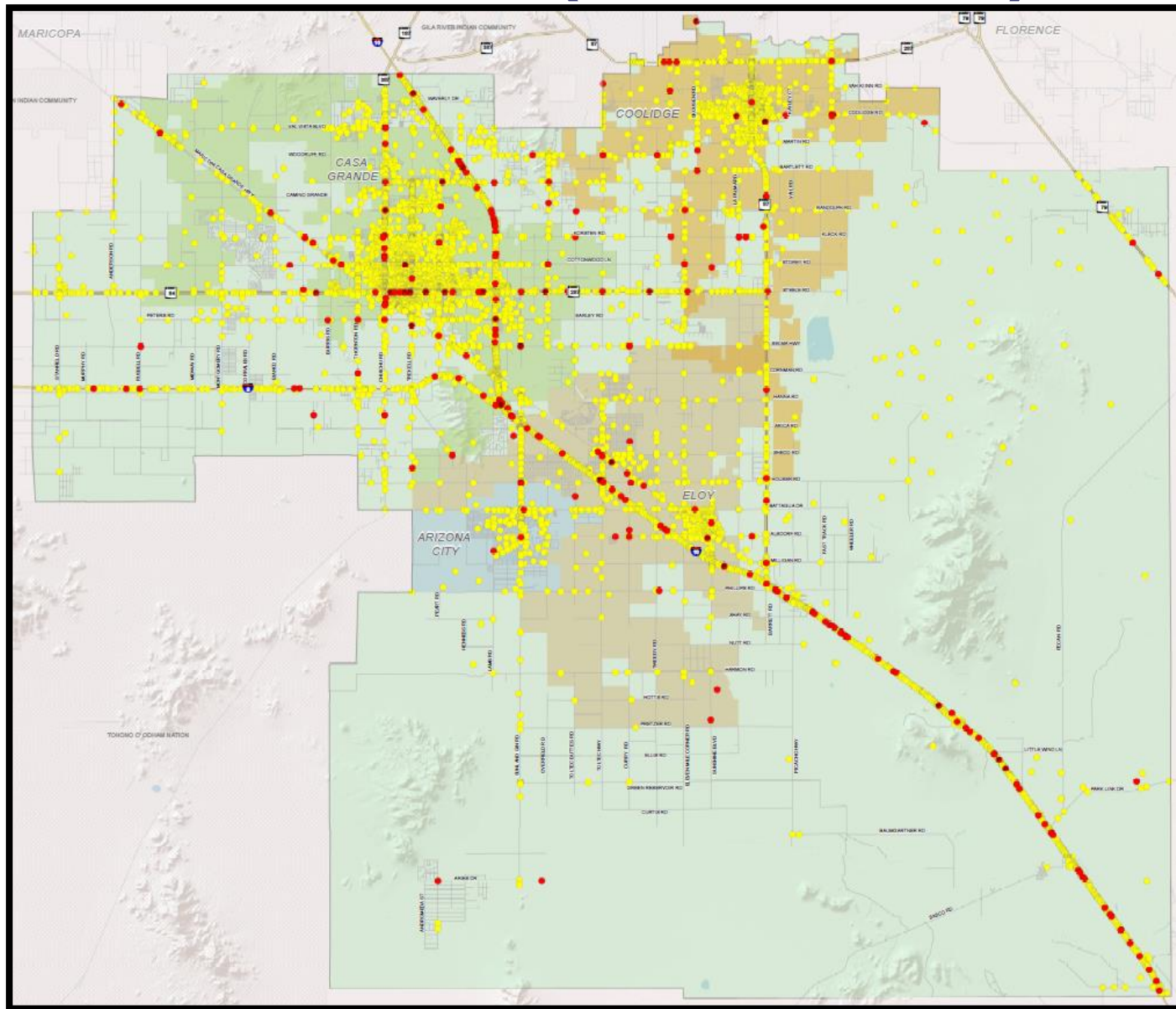
- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



Pinal County Crashes (2005-2014)

Collision Manner	Fatal	Serious Injury	Non Serious Injury	Possible Injury	No Injury	Total
Single Vehicle	66	135	296	169	1217	1883
Rear Ends	8	42	123	101	495	769
Sideswipe Same Direction	5	15	40	31	375	466
Angle	7	21	46	49	142	265
Other	8	13	22	9	195	247
Left Turn	0	10	19	17	40	86
Rear To Side	0	0	2	0	41	43
Sideswipe Opposite Direction	1	2	6	2	31	42
Head On	13	3	9	3	9	37
Pedestrian	8	5	7	0	0	20
Unknown	0	1	3	0	11	15
Bicyclist	1	1	8	1	2	13
Rear To Rear	0	1	0	0	4	5
Total	117	249	581	382	2562	3891

Crash Locations (2005-2014)

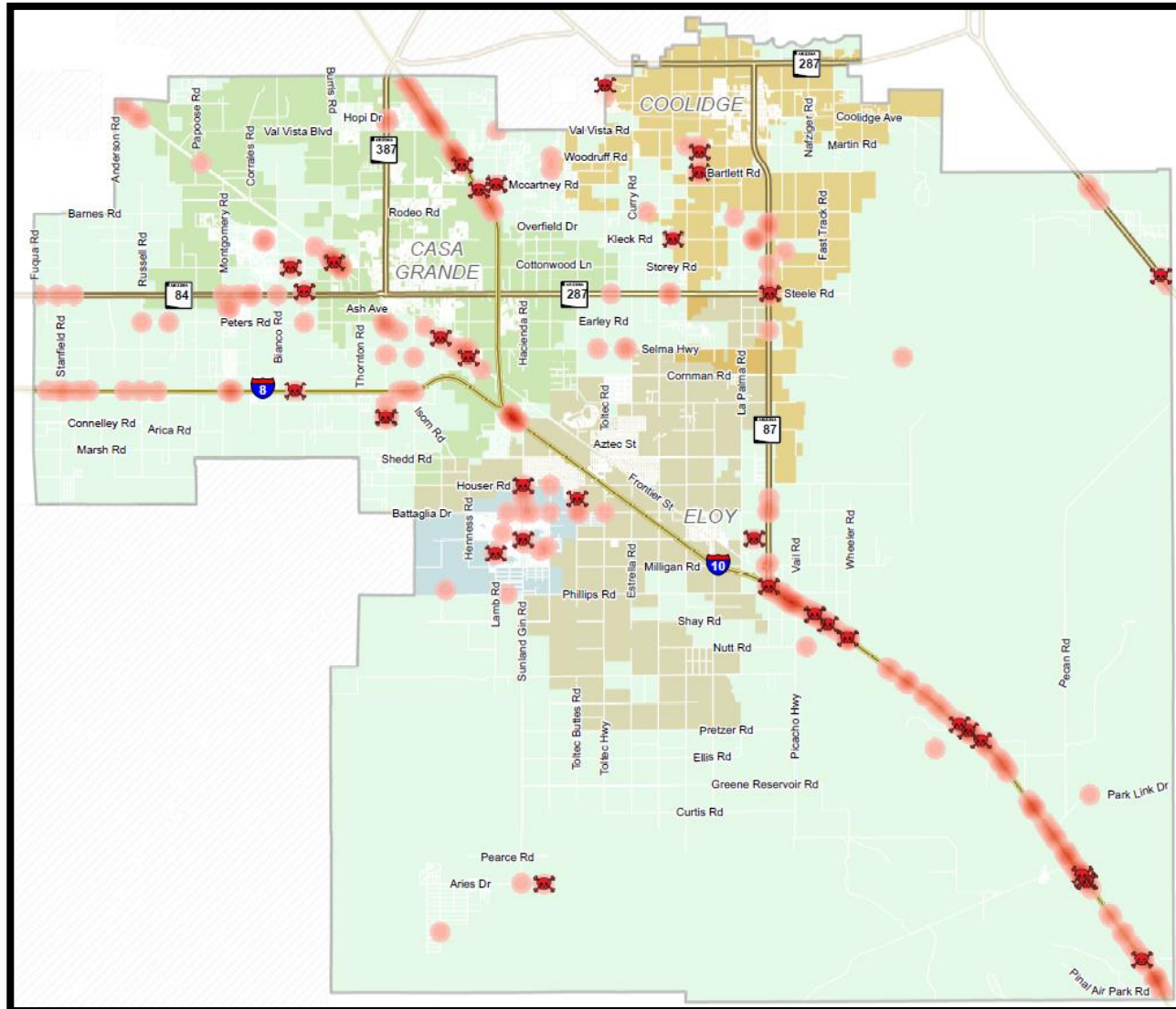


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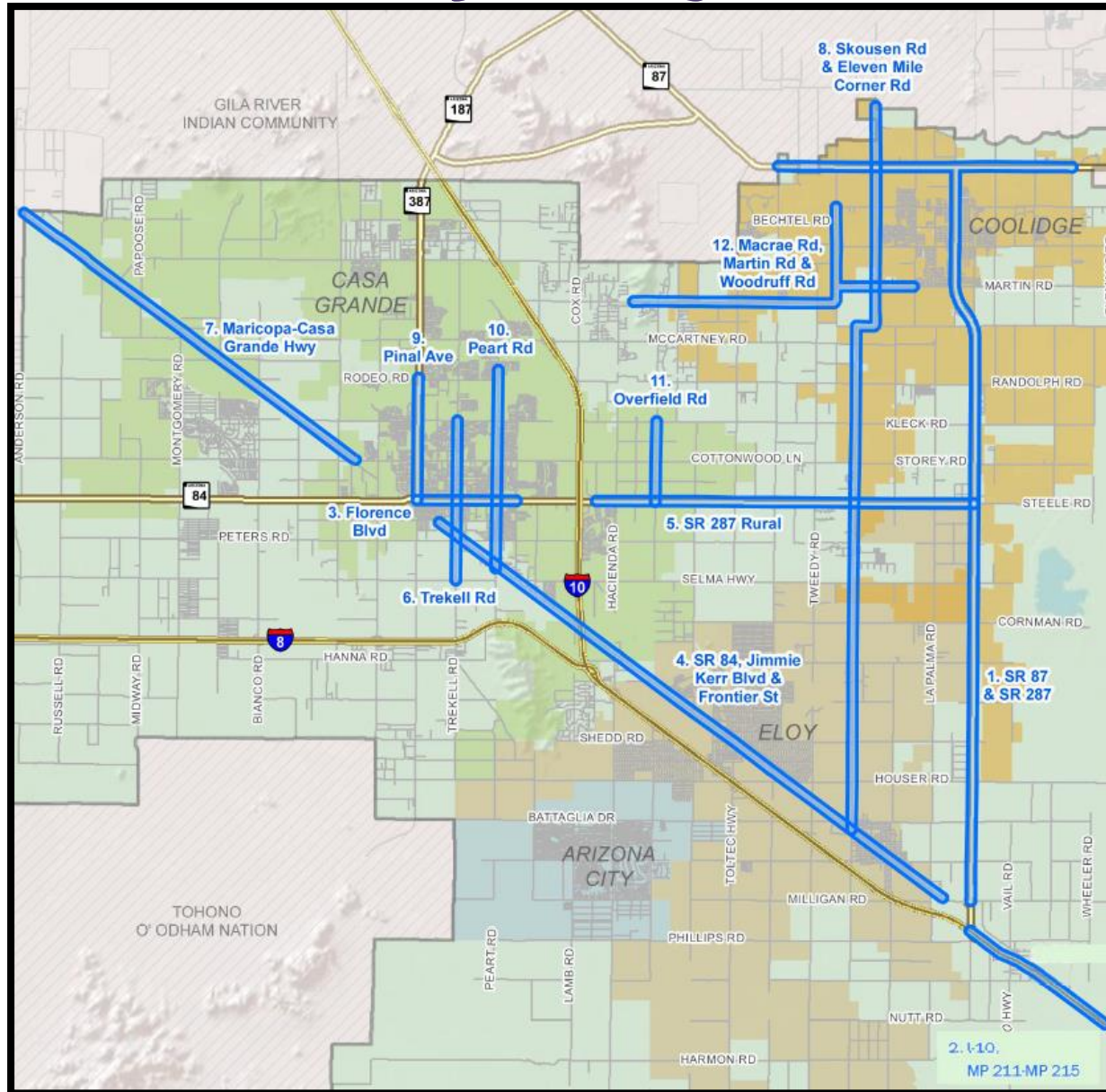
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Florence Blvd
Systemic Lane Departures

Next Steps

- ▶ Public Meeting November 9th
 - ▶ Central Arizona College, 8470 N. Overfield Rd
- ▶ Casa Grande City Council Presentation November 21st
- ▶ Final Report January 6th

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CASA GRANDE CITY COUNCIL STUDY SESSION

November 21, 2016

Sun Corridor MPO

Strategic Transportation Safety Plan

Casa Grande City Council Study Session

November 21, 2016

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan



Ultimate objective:

Reduce traffic crash fatalities and injuries

Safety Plan Vision and Goal

Vision:

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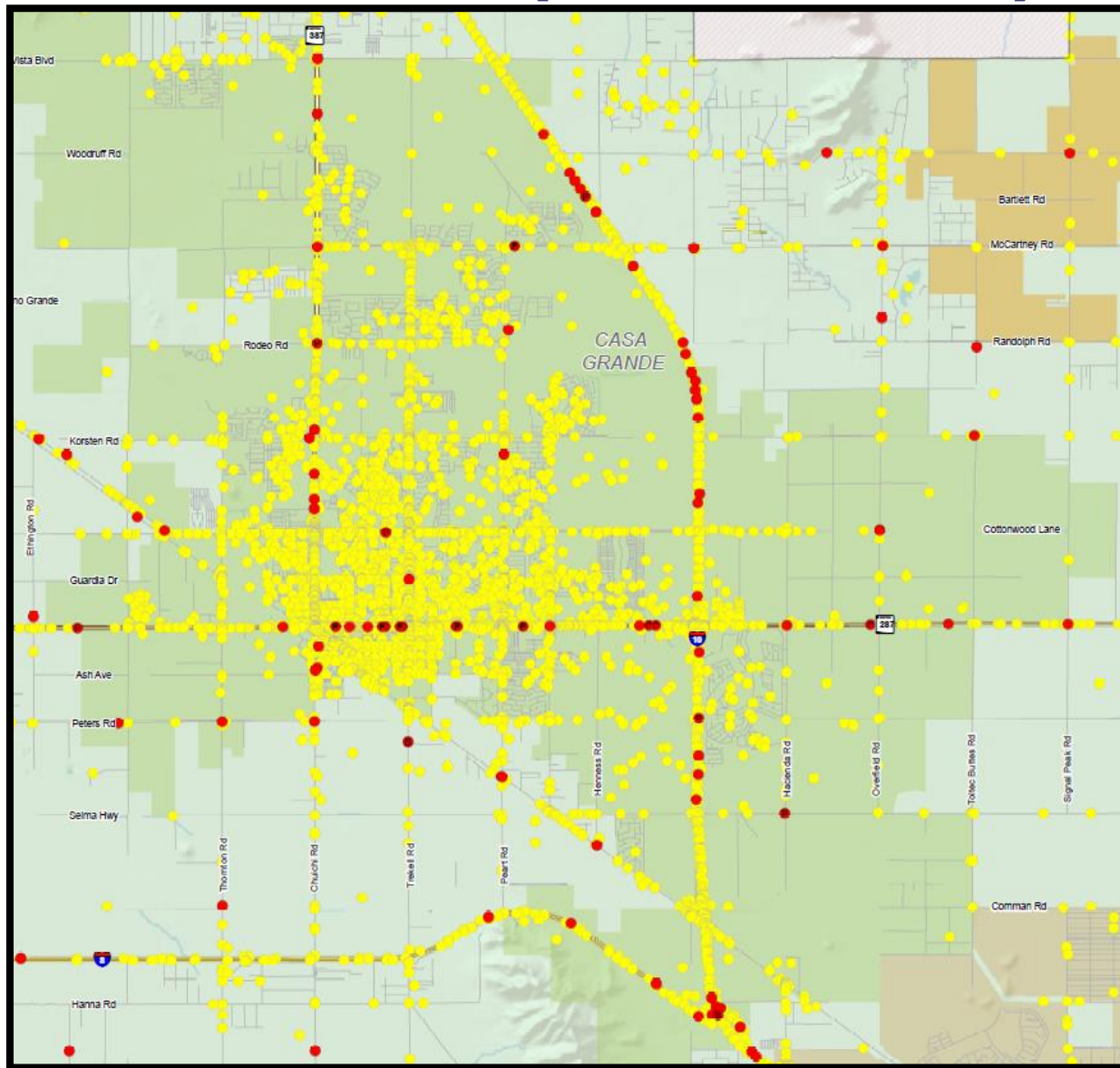
- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



Casa Grande Crashes (2005-2014)

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Rear End	4	23	236	512	1990	2765
Angle	7	35	208	302	984	1536
Single Vehicle	25	84	229	149	1034	1521
Left Turn	7	31	142	192	535	907
Sideswipe Same Direction	3	10	32	46	752	843
Other	0	2	28	40	249	319
Rear To Side	0	0	3	8	285	296
Bicyclist	1	5	58	56	39	159
Sideswipe Opposite Direction	0	1	15	21	120	157
Unknown	0	1	6	15	112	134
Pedestrian	16	12	42	28	28	126
Head On	5	9	18	21	71	124
Rear To Rear	0	0	2	2	33	37
Total	68	213	1019	1392	6232	8924

Crash Locations (2005-2014)

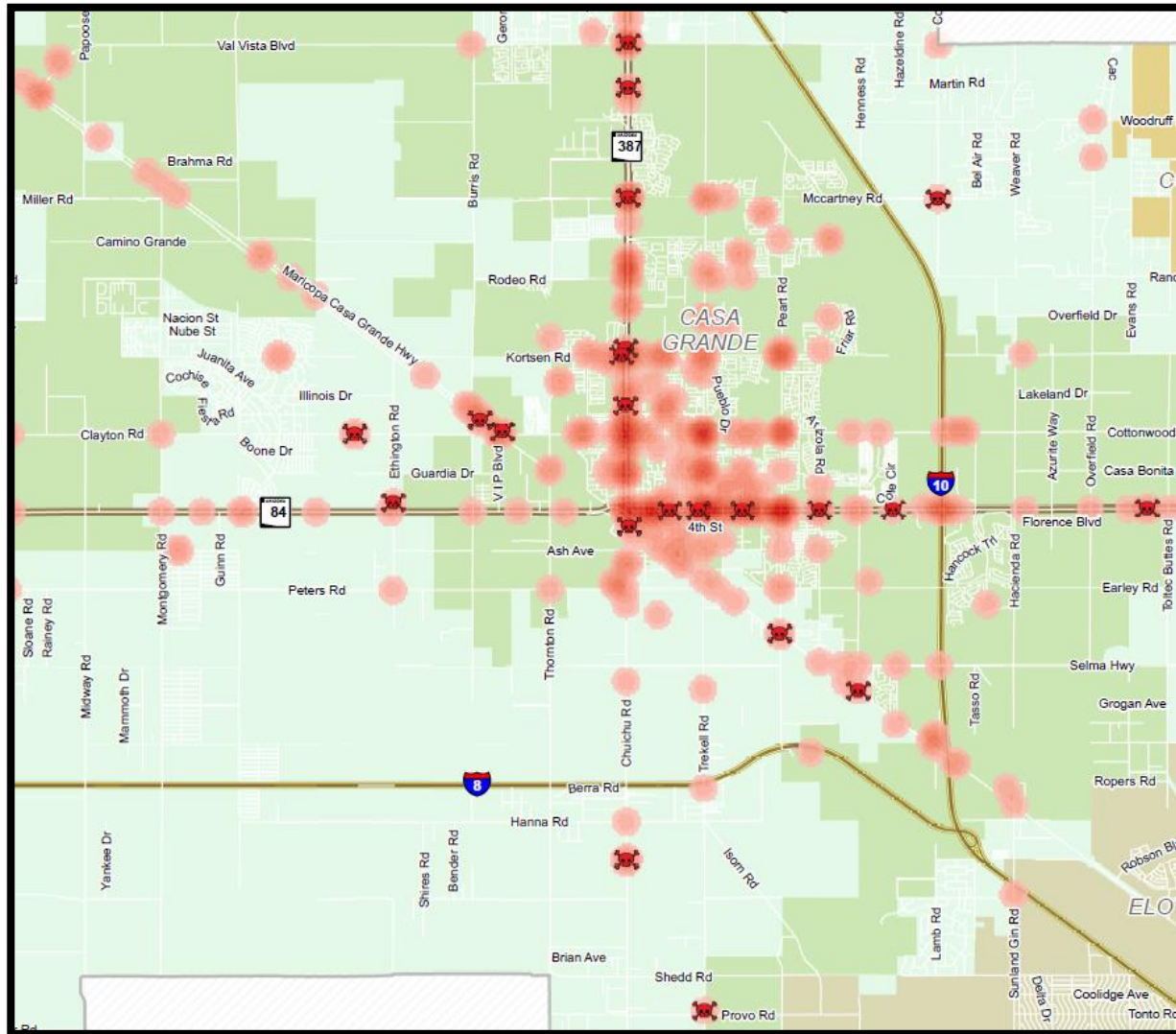


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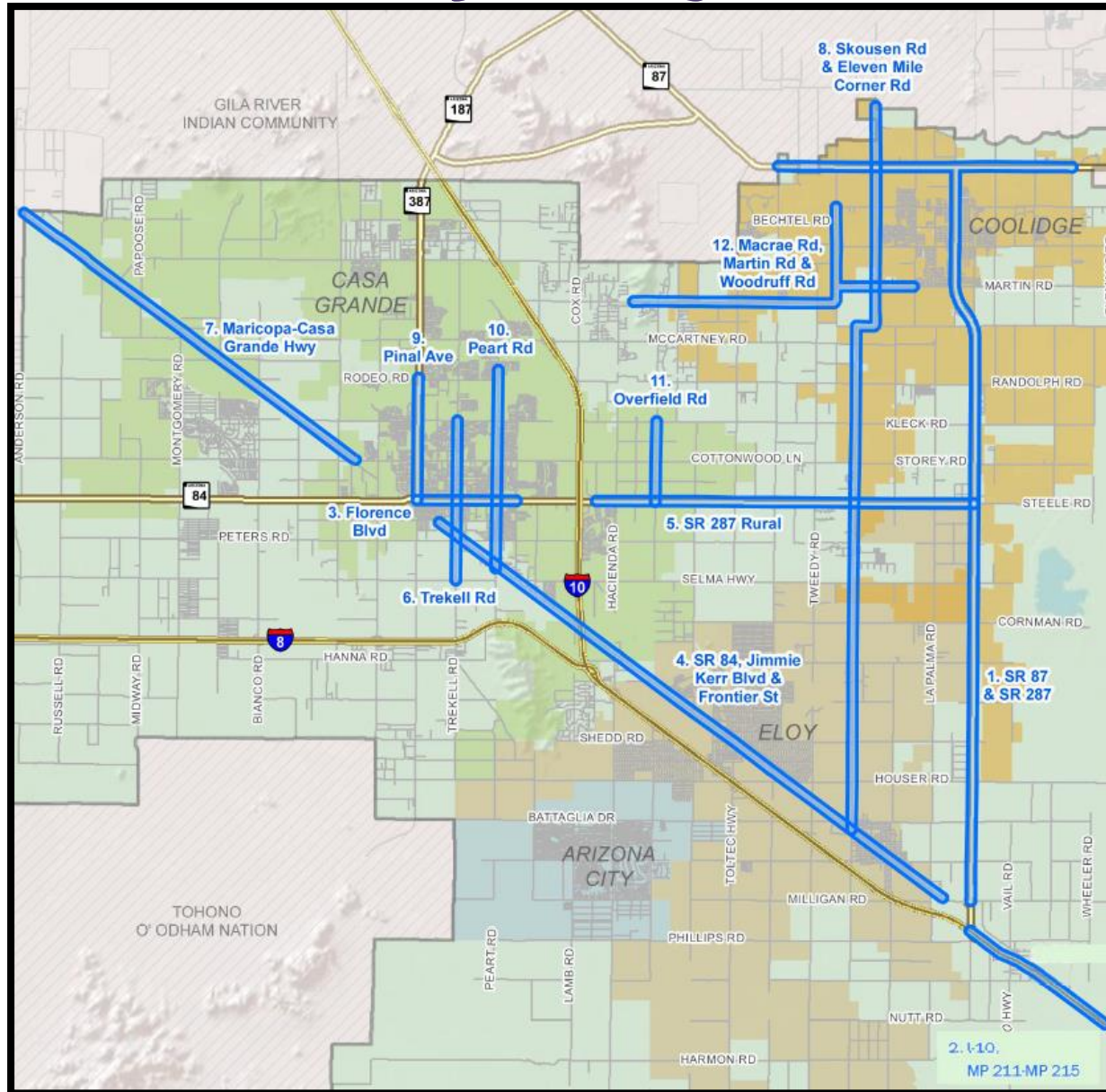
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I-10 Picacho
Skousen Rd, Eleven Mile Corner Rd
Mcrae Rd, Martin Rd, Woodruff Rd
Systemic Lane Departures

Next Steps

- ▶ Draft Report for Public Comment November/December
- ▶ Final Report January 2017

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NEWSPAPER ARTICLES

MPO analyzes vehicle crash data in Coolidge

BY ROBBY GAL, Staff Writer | Posted: Wednesday, December 2, 2015 1:00 am

The Sun Corridor Metropolitan Planning Organization (SCMPO) is in process of developing a Safety Plan for the SCMPO per Federal Guidance. Members of the SCMPO staff and the consultant AMEC Foster Wheeler will be present to discuss the plan process and information gathered thus far on crashes in the region and for the City of Coolidge over a ten-year period from 2005 to 2014.

Mike Blankenship, with AMEC Foster Wheeler and Irene Hicks, transportation planner from the Sun Corridor MPO gave a presentation on Monday, Nov. 23 to the Coolidge City Council about a safety plan for the SCMPO per the Federal guidance.



Pepsi delivery truck

“The main goal for this safety plan is to reduce the fatal and serious injury crashes within the MPO region,” Hicks said. “The safety plan is being developed through a data-driven collaborative effort involving safety professionals and stakeholders within the MPO region such as our local police department, sheriff’s department, schools, youth coalitions, to have them participate in developing this safety plan.”

Of 243 fatal crashes in the region over the 10-year period, about half of them were single vehicle crashes according to Blankenship. The second highest is 30 fatal pedestrian crashes. There were also 26 head on crashes that were fatal.

“Specifically in Coolidge, 22 of those 243 fatal crashes occurred within the Coolidge city boundaries,” Blankenship said. “It amounts to a little over two fatal crashes a year.”

Of the 22 fatal crashes in Coolidge, two of them were pedestrian, eight were single vehicle and four were left turn crashes.

Blankenship talked about the crashes that have occurred over the region in a 10-year period, which includes over 16,000 crashes. And said that the region is averaging around 24 fatal crashes a year.

“95 percent of all traffic crash reports list some human element as a contributing factor to that crash,” Blankenship said. “Speeding, driving while impaired, distracted driving, while the road environment only makes up about 28 percent of crashes.”

The will be put together over the next 6-8 months and Blankenship explained that they will be looking for input from Coolidge representatives in regards to the data, or any other locations they see as a problem.

“Just over half of those people that died in those fatal crashes in the region were not wearing a seatbelt,” Blankenship said. “This is probably the cheapest, the quickest, the easiest, fix to drive these fatal numbers down is for people to wear seatbelts. And it’s not happening at the numbers we would like to see.”

Blankenship also said that the younger drivers in the region are performing better in the region than statewide. At 21 percent in the region and 30 percent in the state, younger drivers have fared better here.

Once the plan is in place then they submit specific ideas to ADOT for federal safety funds to make changes to problem areas through HSIP (Highway Safety Improvement Program).

“Right now the region gets just under \$500,000 a year from the HSIP fund,” Blankenship said. “Which isn’t a lot of funding. Come 2019 everybody will be competing for the overall pot of money which is around \$36 million dollars.”

The plan is to have the safety project wrapped up by August of 2016. A public meeting will be on Jan. 25 in Coolidge regarding the project.

Study: Single-vehicle crashes are common in area fatalities

By ROBBY GAL, Staff Writer | Posted: Thursday, December 3, 2015 8:07 am

COOLIDGE — Almost half the fatal crashes that occurred a 1,000-square-mile area around Casa Grande during a 10-year period involved single-vehicle accidents, a recent study shows.

Also, half of those killed in all accidents in the region served by the Sun Corridor Metropolitan Planning Organization between 2005 and 2015 weren't wearing seat belts, transportation planners say.

The Sun Corridor organization is in the process of developing a safety plan to reduce the number of fatalities, per federal guidelines.

The Sun Corridor MPO provides transportation planning services to the communities of Casa Grande, Coolidge, Eloy and rural portions of Pinal County and covers 1,115 square miles with an estimated population 120,000.

Mike Blankenship, with consultant Amec Foster Wheeler, and Irene Hicks, transportation planner for Sun Corridor MPO, gave a presentation to the Coolidge City Council last week on the safety plan.

"The main goal for this safety plan is to reduce the fatal and serious injury crashes within the MPO region," Hicks said.

"The safety plan is being developed through a data-driven collaborative effort involving safety professionals and stakeholders within the MPO region such as our local police departments, sheriff's department, schools (and) youth coalitions to have them participate in developing this safety plan."

Of 243 fatal crashes in the region over the 10-year period, about half were single-vehicle wrecks, Blankenship said. The study showed there were 30 fatal pedestrian crashes and 26 fatal head-on crashes.

"Twenty-two of those 243 fatal crashes occurred within the Coolidge city boundaries," Blankenship said. "It amounts to a little over two fatal crashes a year."

Of those, two involved pedestrians, eight were single-vehicle and four were left-turn crashes.



Fatal rollover

Casa Grande Police forensic identification technician Greg Roorad investigates the scene of a single vehicle roll over May 5, 2013 on Florence Boulevard east of Henness Road. An erratic vehicle traveling east on Florence Boulevard was reported to police at 5:27 p.m. The driver, a 24 year old male, swerved off the road and rolled several times. He was flown to Maricopa Medical Center with cerebral trama and pelvic fracture causing severe internal injuries. He was pronounced dead at 6:48 p.m. Alcohol is suspected to be involved.

Blankenship said more than 16,000 crashes occurred in the region in the 10-year period.

“Ninety-five percent of all traffic crash reports list some human element as a contributing factor to that crash,” Blankenship said. “Speeding, driving while impaired, distracted driving, while the road environment only makes up about 28 percent of crashes.”

The safety plan will be developed over the next six to eight months, and Blankenship said the agency is looking for input from local representatives. A public meeting on the matter will be held Jan. 25 in Coolidge.

“Just over half of those people that died in those fatal crashes in the region were not wearing a seat belt,” Blankenship said. “Probably the cheapest, the quickest, the easiest fix to drive these fatal numbers down is for people to wear seat belts, and it’s not happening at the numbers we would like to see.”

Once the plan is in place, the agency will submit specific ideas to the Arizona Department of Transportation for federal safety funds to make changes to problem areas through the Highway Safety Improvement Program.

“Right now the region gets just under \$500,000 a year from the HSIP fund,” Blankenship said, “which isn’t a lot of funding. Come 2019, everybody will be competing for the overall pot of money, which is around \$36 million.”

EXECUTIVE BOARD MEETINGS

EXECUTIVE BOARD MEETING

July 14, 2015

Sun Corridor MPO Strategic Transportation Safety Plan

**Executive Board Meeting
July 14, 2015**

Background and Overview

SCMPO region crashes for past 10 years (2005–2014):

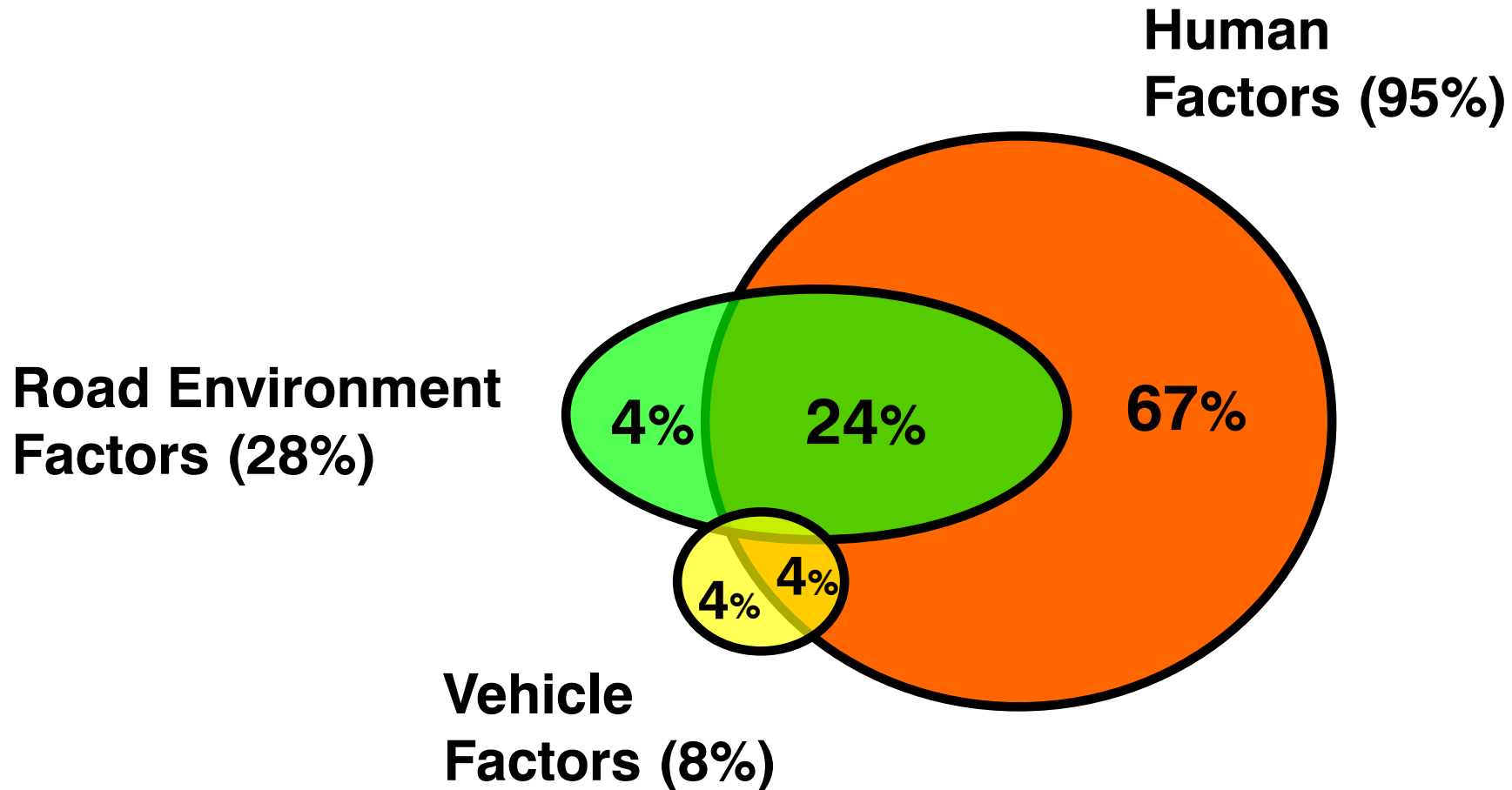
- 17,026 crashes
- 246 fatal crashes
- 655 incapacitating injury crashes

Objectives

- Develop Regional Strategic Transportation Safety Plan, incorporating the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Establish regional vision, goals, objectives, strategies, countermeasures, and performance measures for transportation safety
- Coordinate with the Arizona Strategic Highway Safety Plan . . . Ensure “compatibility” with federal requirements

Why Use the 4 E's?

Typical Reported Crash Causes



Work Plan Phase I

Phase I focuses on summarizing existing regional safety performance and identifying and developing a safety vision, goals, emphasis areas and safety strategies to reduce crashes, especially fatal and incapacitating crashes.

Work Plan Phase II

Phase II includes development of a feasible implementation plan for the STSP and HSIP project identification, scoping, justification and eligibility to include benefit/cost analyses for the highest priority projects in the proposed 10-year program for transportation safety projects.

Crash Trends

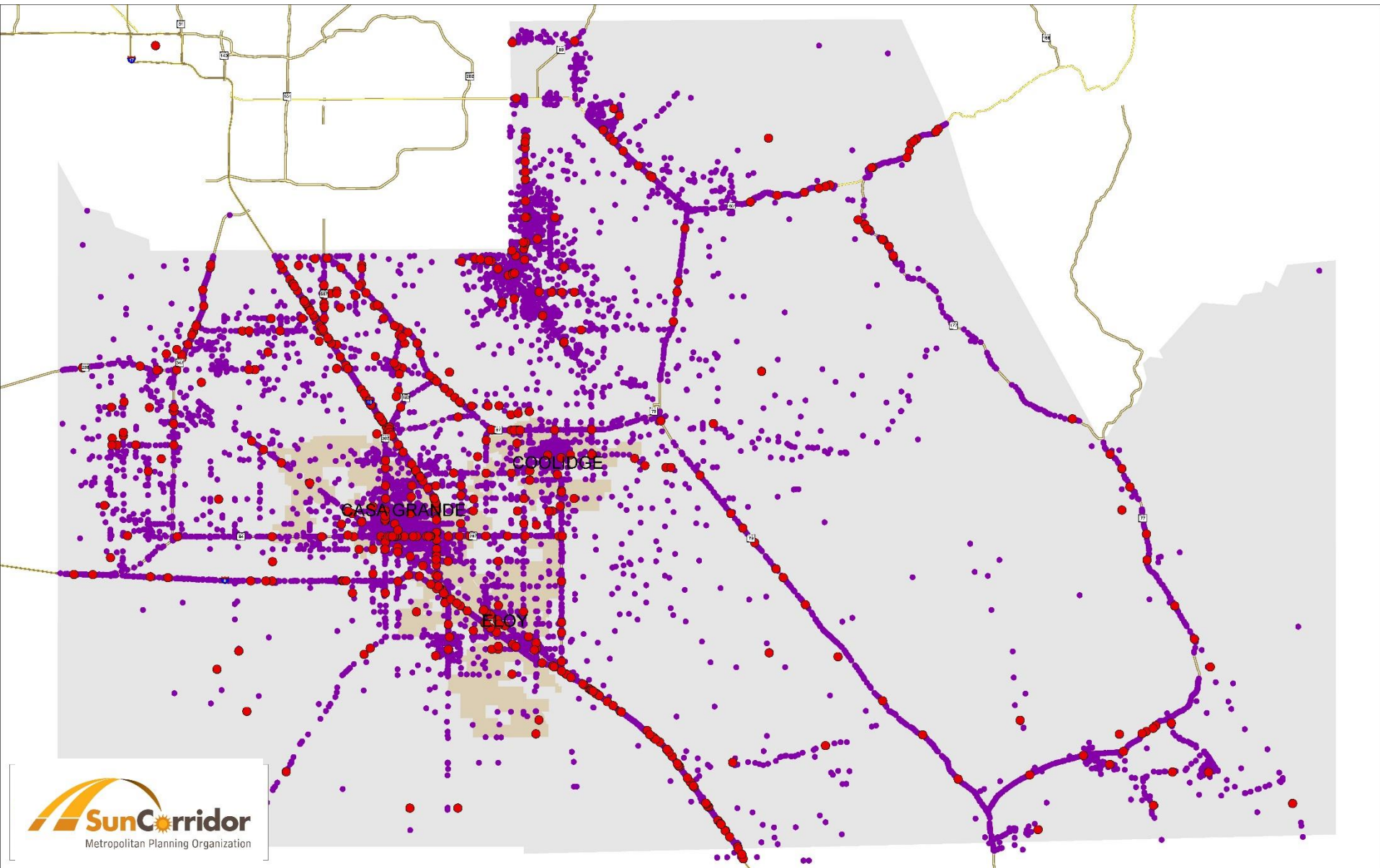
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Grand Total
CASA GRANDE	994	1007	1126	934	830	846	887	877	847	870	9218
COOLIDGE	157	175	207	155	165	171	142	142	144	144	1602
ELOY	217	210	198	165	142	150	165	105	116	135	1603
PINAL COUNTY	711	731	503	524	416	384	418	323	326	267	4603
Grand Total	2079	2123	2034	1778	1553	1551	1612	1447	1433	1416	17026

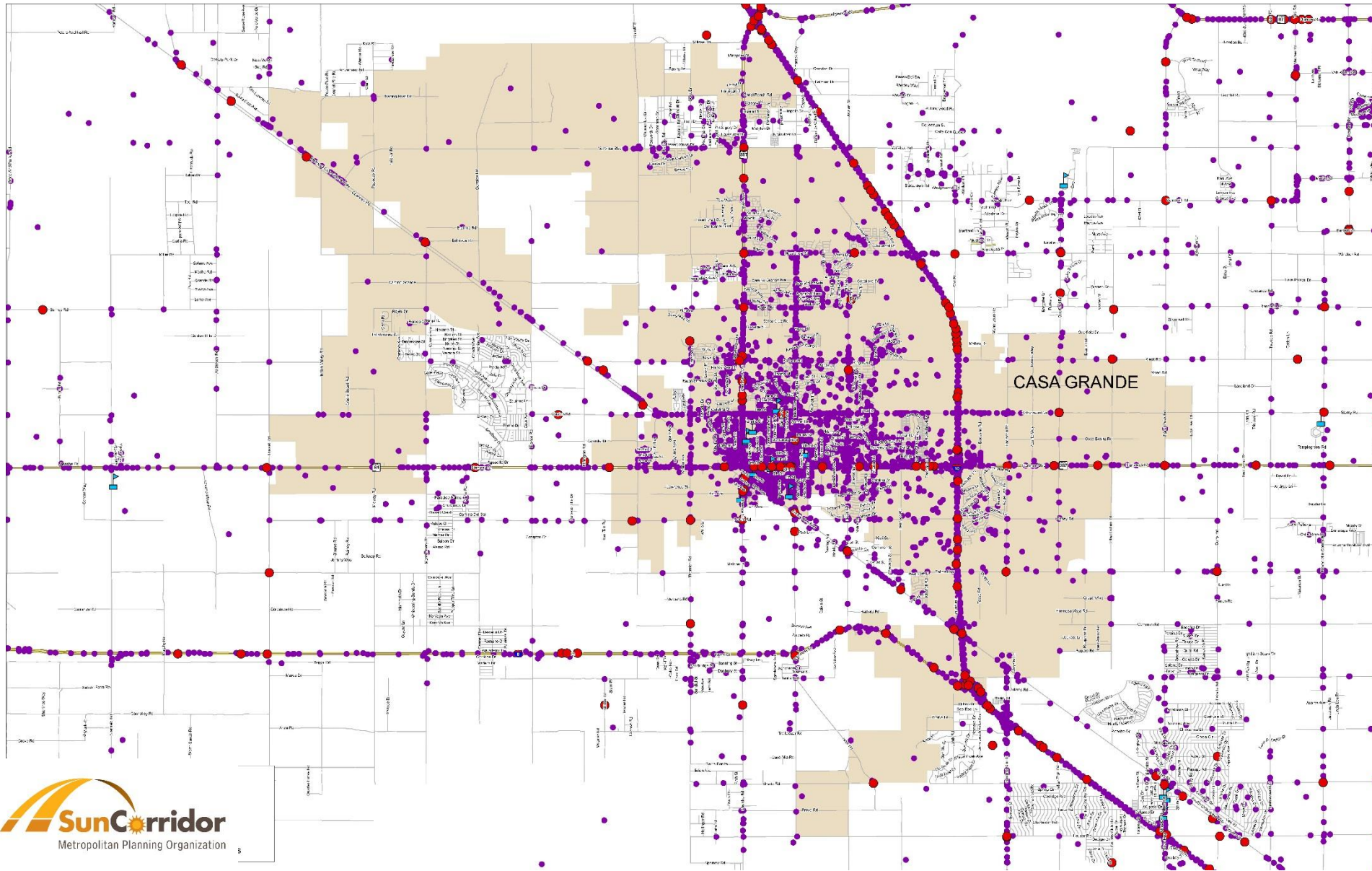
Crash Severity

	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Grand Total
CASA GRANDE	62	214	1041	1441	6460	9218
COOLIDGE	10	60	162	220	1150	1602
ELOY	30	80	201	191	1101	1603
PINAL COUNTY	144	301	670	501	2987	4603
Grand Total	246	655	2074	2353	11698	17026

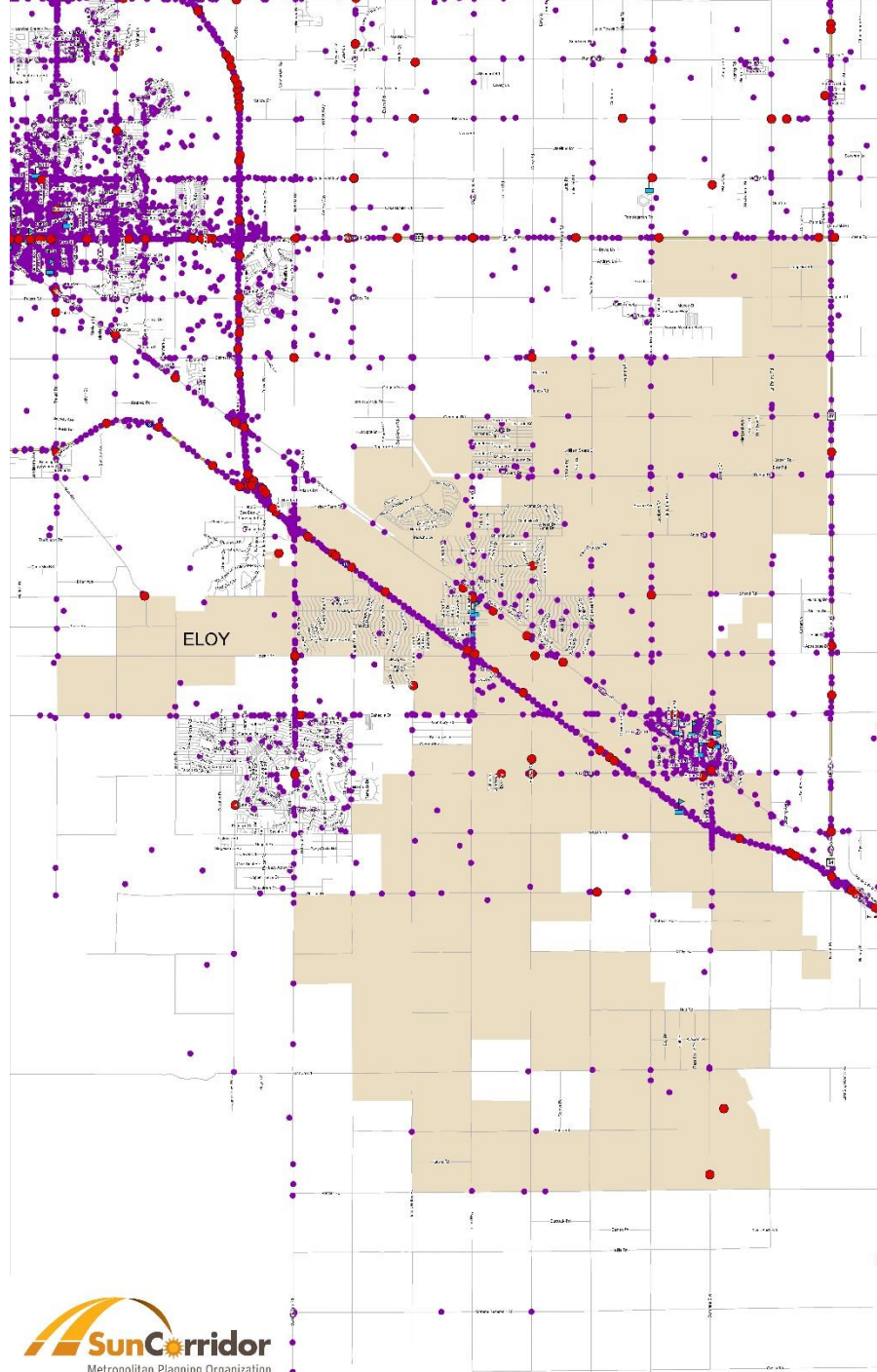
Crash Type

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Grand Total
Single Vehicle	136	312	772	513	3052	4785
Rear Ends	13	98	451	788	3172	4522
Angle	21	93	353	492	1565	2524
Sideswipe Same Direction	11	31	116	104	1477	1739
Left Turn	11	56	195	260	724	1246
Other	26	33	92	94	638	883
Rear To Side		1	8	8	519	536
Sideswipe Opposite Direction	1	7	34	34	213	289
Head On	27	20	36	35	120	238
Unknown		3	15	20	164	202
Rear To Rear		1	2	5	53	61
(blank)					1	1
Grand Total	246	655	2074	2353	11698	17026

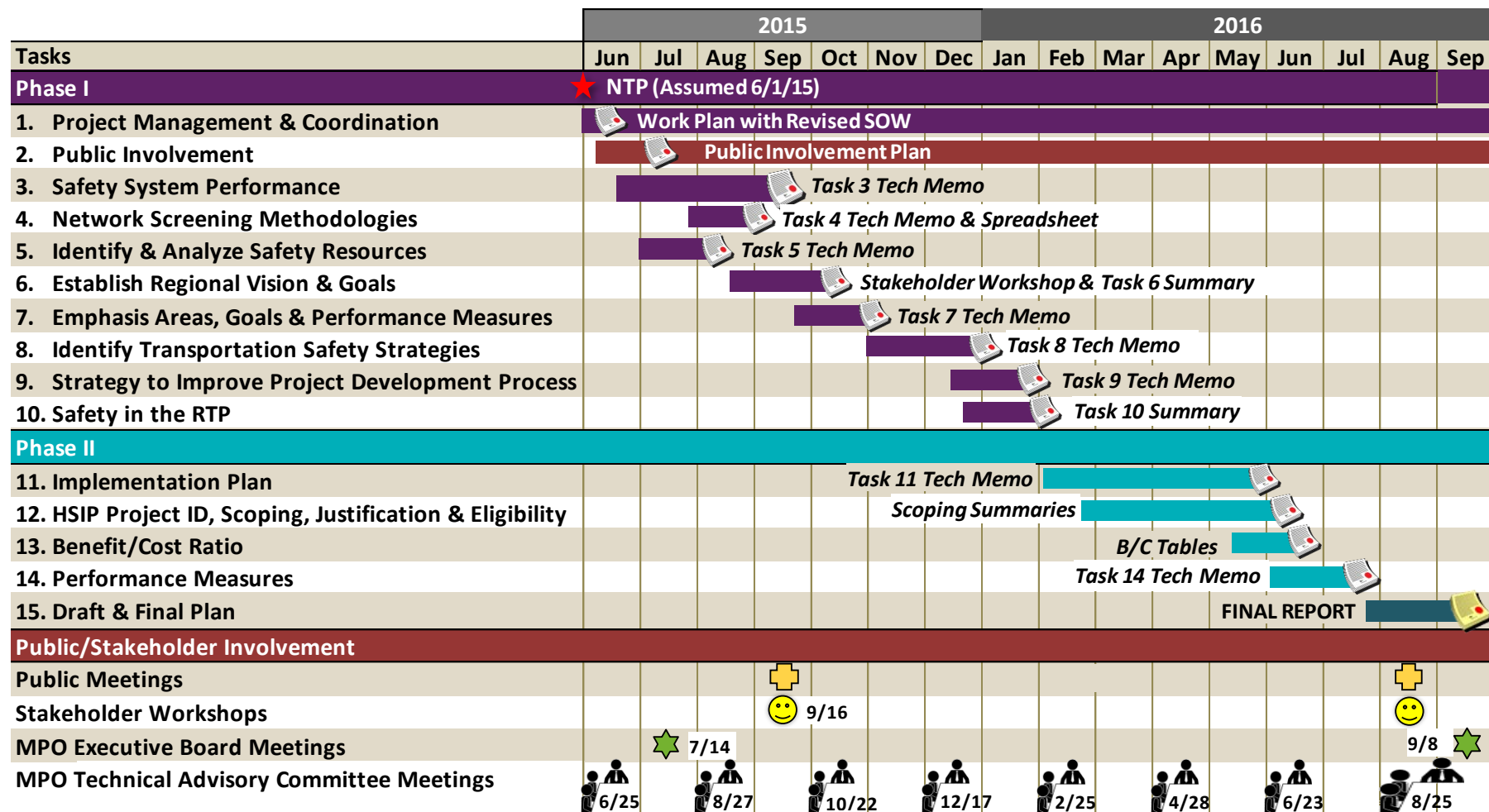








Schedule



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EXECUTIVE BOARD MEETING

November 8, 2016

Sun Corridor MPO Strategic Transportation Safety Plan Executive Board Meeting November 8, 2016

Safety Plan Objectives

- Develop Regional Strategic Transportation Safety Plan that incorporates the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Coordinate with Arizona Strategic Highway Safety Plan



Ultimate objective:

Reduce traffic crash fatalities and injuries

Safety Plan Vision and Goal

Vision:

“Reduce fatal and serious injury crashes through implementation of effective safety strategies and countermeasures.”

Goal:

“Reduce the number of fatalities and serious injuries in the Sun Corridor MPO region by 3 to 7 percent during the next 5 years”

Regional Crashes

SCMPO region crashes for past 10 years (2005–2014):

- ▶ 16,525 total crashes
- ▶ 243 fatal crashes
- ▶ 640 incapacitating injury crashes



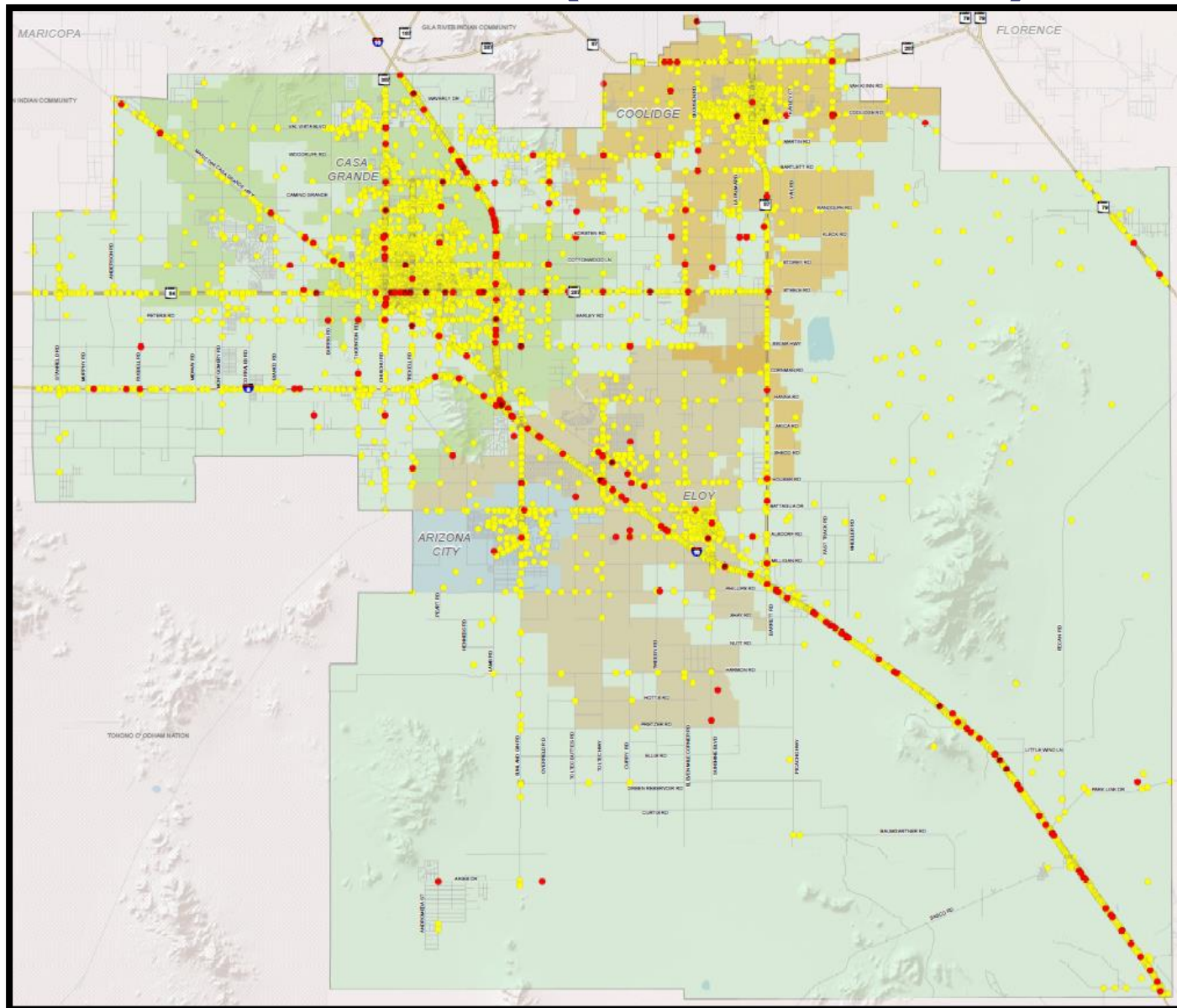
SCMPO Region Crashes (2005-2014)

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Single Vehicle	120	284	673	447	2931	4455
Rear Ends	13	93	435	756	3060	4357
Angle	19	88	330	459	1515	2411
Sideswipe Same Direction	11	29	108	99	1427	1674
Left Turn	11	53	189	252	705	1210
Other	10	18	61	67	595	751
Rear To Side	0	0	6	8	509	523
Sideswipe Opposite Direction	1	7	32	30	205	275
Head On	26	20	35	31	113	225
Bicyclist	2	13	73	69	48	205
Pedestrian	30	32	65	39	34	200
Unknown	0	2	12	16	152	182
Rear To Rear	0	1	2	3	51	57
Total	243	640	2021	2276	11345	16525

SCMPO Region Crashes (2005-2014)

Agency	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Total
Casa Grande	68	213	1019	1392	6232	8924
Pinal County	117	249	581	382	2562	3891
Coolidge	22	85	195	265	1279	1846
Eloy	30	76	193	188	1085	1572
Arizona City	6	17	33	49	187	292
Total	243	640	2021	2276	11345	16525

Crash Locations (2005-2014)

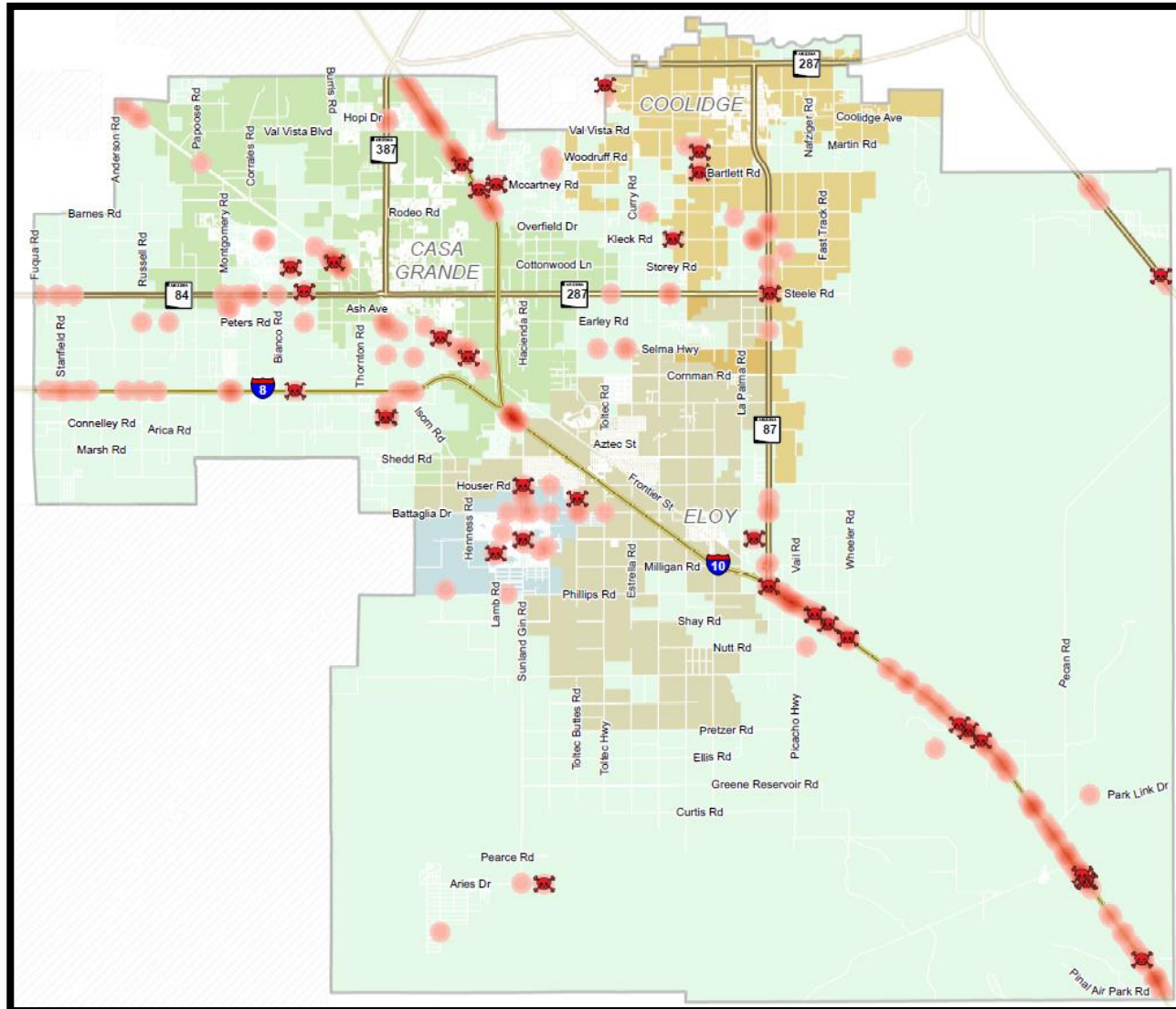


Emphasis Areas

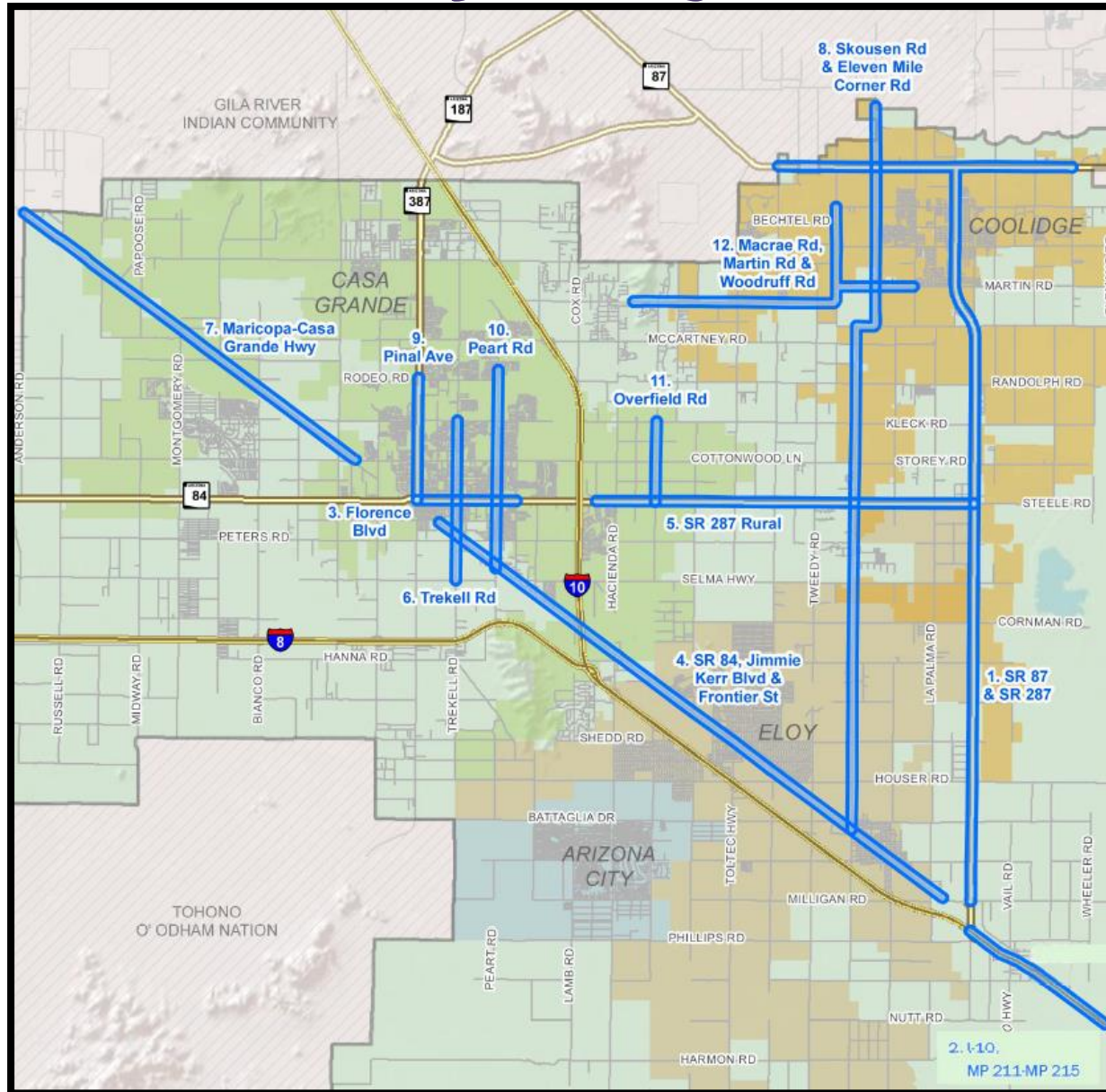
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Driver Violation Crash Heat Maps

Impaired driving, speeding, lack of seat belt crashes



Potential Safety Projects



Potential Safety Projects

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Pinal Avenue (SR 387)
Peart Rd
Overfield Rd
Florence Blvd
Systemic Lane Departures

Implementation

- ▶ Safety Project Funding Applications
- ▶ Quarterly meetings of engineering, enforcement, planning
- ▶ Annually:
 - ▶ Update crash data
 - ▶ Update emphasis areas
 - ▶ Identify new safety projects
 - ▶ Measure and report safety performance

Next Steps

- ▶ Public Meeting November 9th
 - ▶ Central Arizona College, 8470 N. Overfield Rd
- ▶ Pinal County Board of Supervisor Presentation November 9th
- ▶ Casa Grande City Council Presentation November 21st
- ▶ Final Report January 6th

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PINAL COUNTY LAW ENFORCEMENT ASSOCIATION MEETING

August 18, 2015

Sun Corridor MPO Strategic Transportation Safety Plan

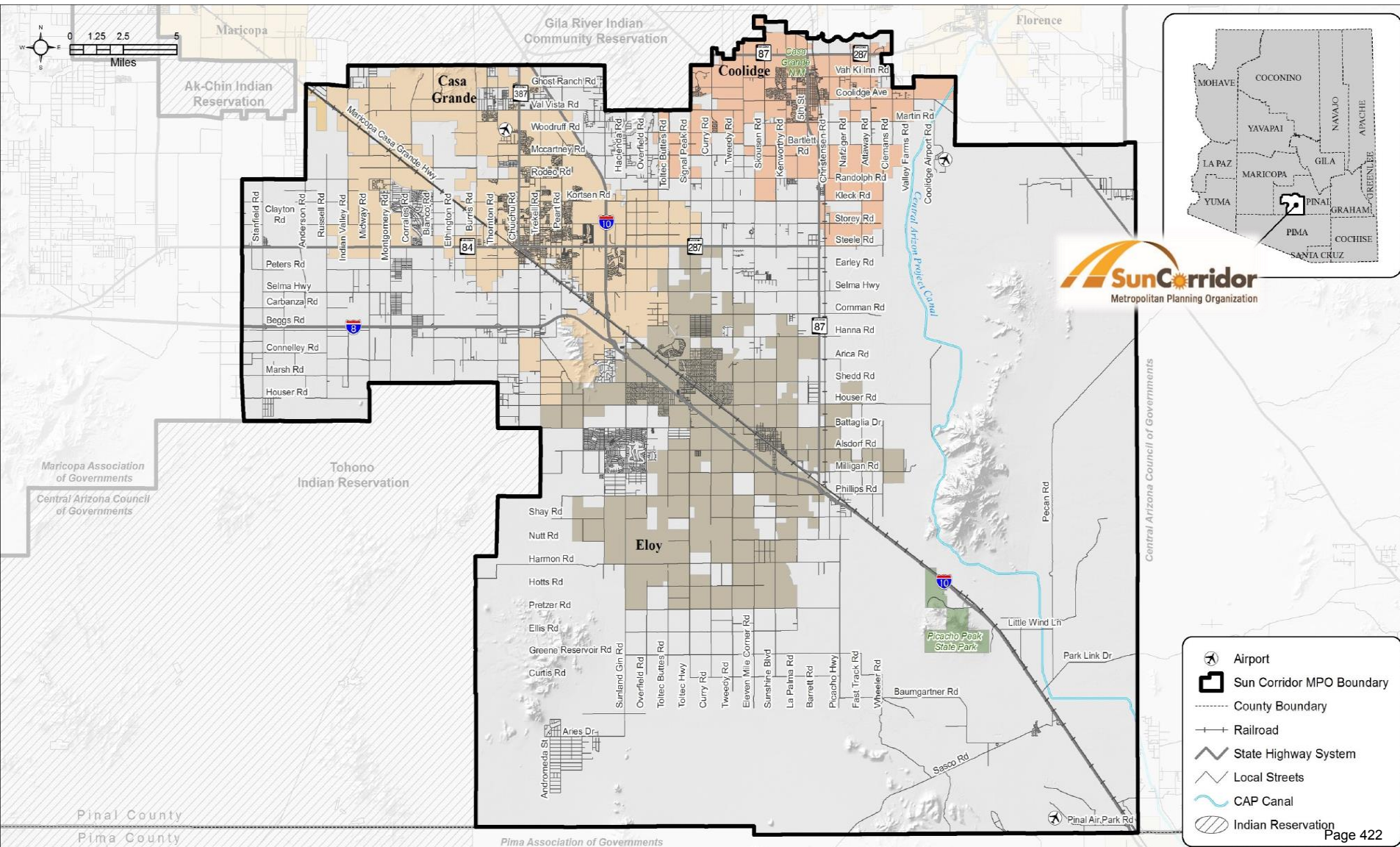
*Serving the City of Casa Grande, City of Coolidge, City of Eloy, and the Rural-
Small Urban Areas of Pinal County*

**Pinal County Law Enforcement Association
August 18, 2015**

Formation

- The 2010 Census determined that the City of Casa Grande had reached a population over 50,000. As a result, federal law requires that a Metropolitan Planning Organization (MPO) be formed to provides transportation planning within the designated boundaries. The Sun Corridor MPO was established in 2013.
- Members include the cities of Casa Grande, Coolidge, Eloy, and the Rural-Small Urban Areas of Pinal County.
- The Sun Corridor MPO covers 1,115 square miles, with an estimated population of nearly 120,000.

SUN CORRIDOR MPO BOUNDARIES

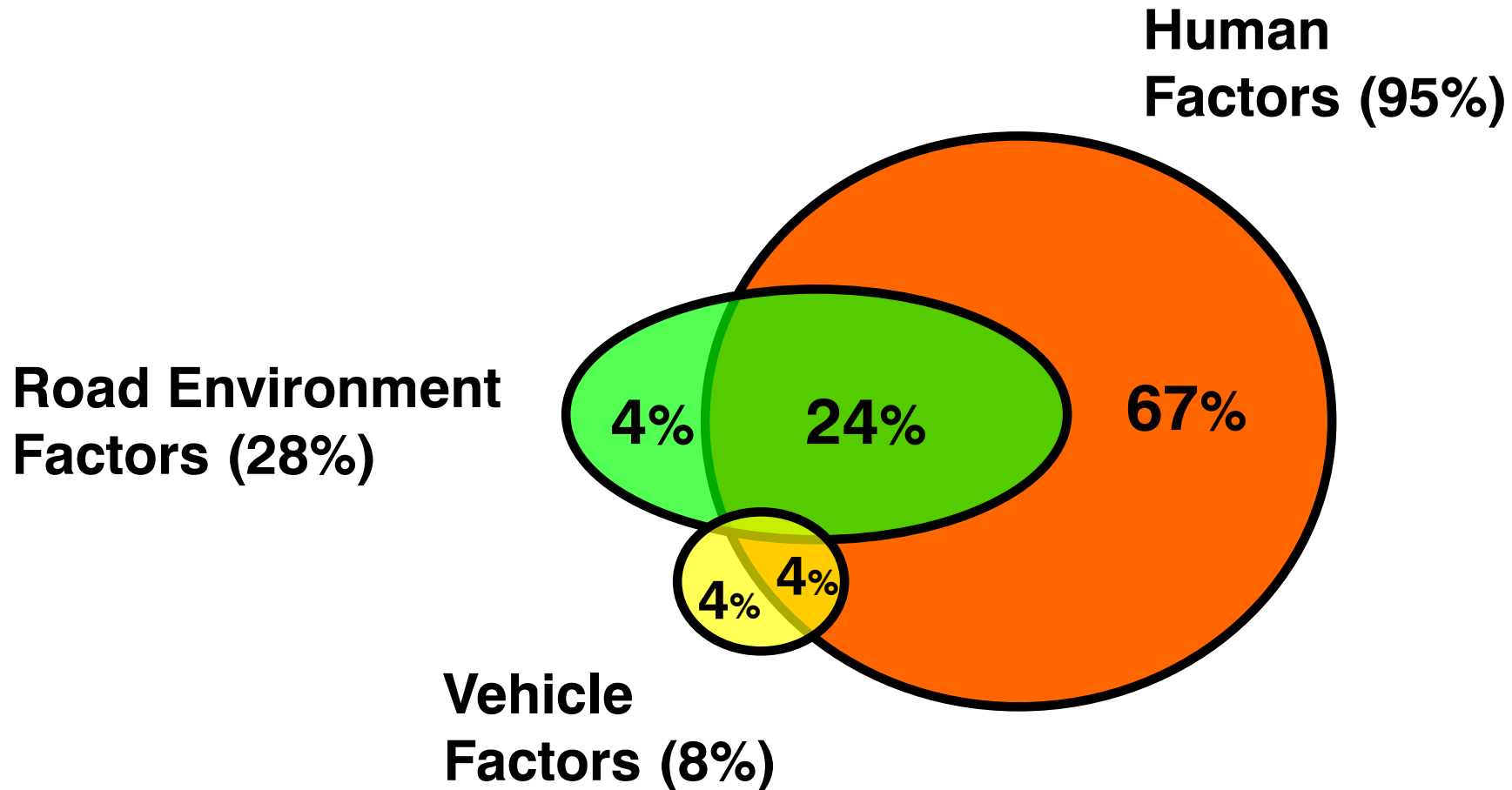


Objectives

- Develop Regional Strategic Transportation Safety Plan, incorporating the 4 E's of transportation safety:
 - Engineering
 - Enforcement
 - Education
 - Emergency services
- Establish regional vision, goals, objectives, strategies, countermeasures, and performance measures for transportation safety
- Coordinate with the Arizona Strategic Highway Safety Plan – ensure compatibility with federal requirements
- **Ultimate goal – save lives and reduce serious injuries**

Why Use the 4 E's?

Typical Reported Crash Causes



Crash Data

- Data/info from crash reports is critical to:
 - Identify safety issues
 - Prioritize crash locations
 - Develop countermeasures
- Used in requesting federal safety funds
 - Crash data issues can jeopardize obtaining safety \$\$\$s
- Used as performance measure – are our safety efforts making a difference?

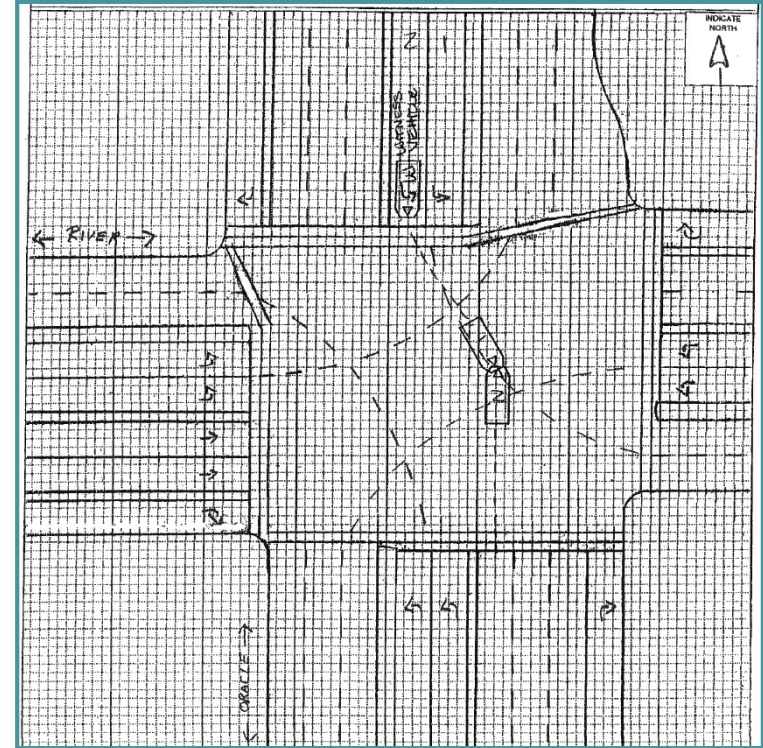
Crash Data

- Accuracy

- Location
- Collision manner
- Narrative

- Timeliness

- ADOT crash database has about a 6 month gap between crash date and getting access to the info
- Recommend real-time sharing of crash data between law enforcement agencies and local agency public works/engineering staff



Crash Severity 2005-2014

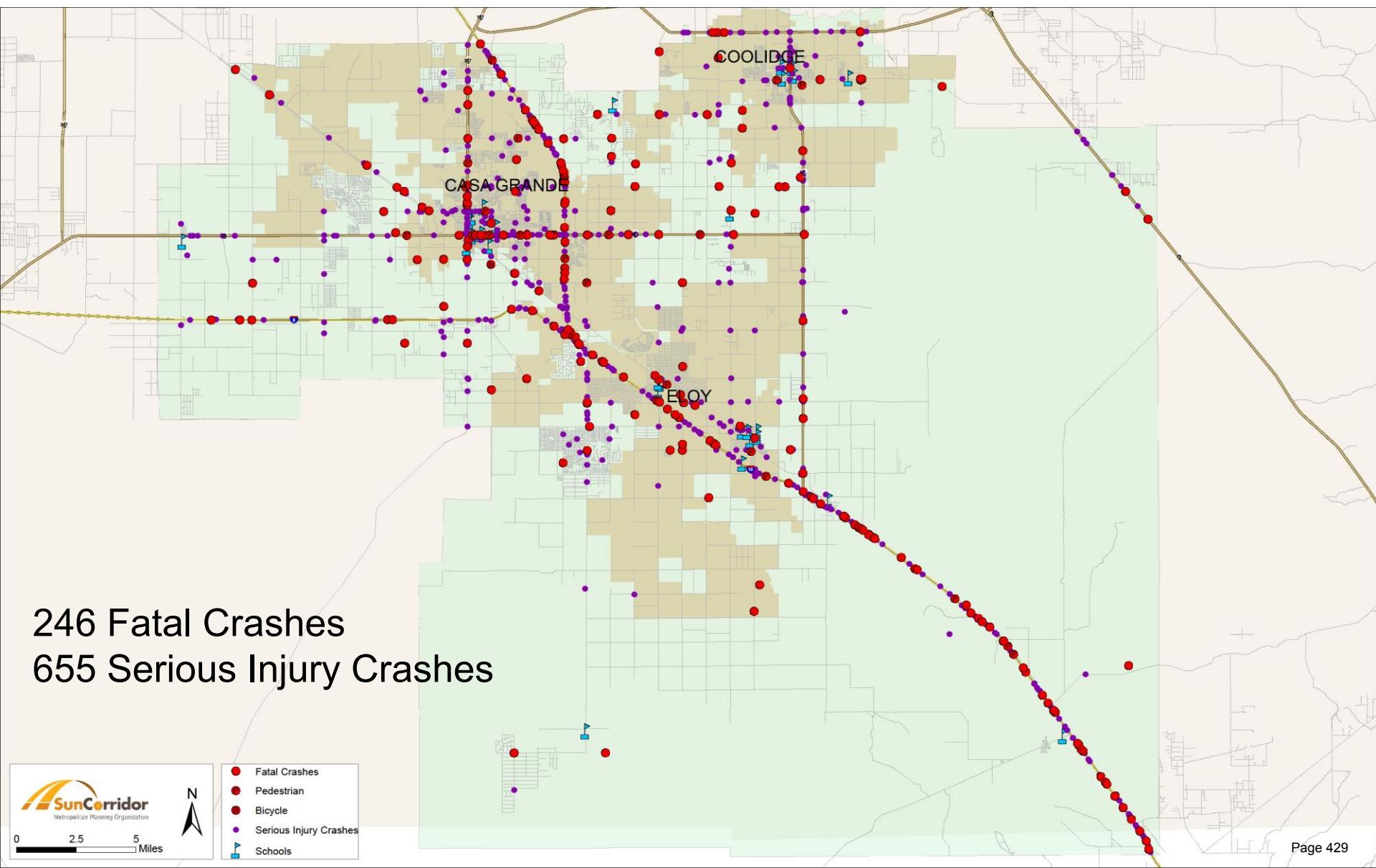
	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Grand Total
CASA GRANDE	62	214	1041	1441	6460	9218
COOLIDGE	10	60	162	220	1150	1602
ELOY	30	80	201	191	1101	1603
PINAL COUNTY	144	301	670	501	2987	4603
Grand Total	246	655	2074	2353	11698	17026

* Pinal County data is only within the MPO boundary

Crash Type 2005-2014

Collision Manner	Fatal	Incapacitating Injury	Non Incapacitating Injury	Possible Injury	No Injury	Grand Total
Single Vehicle	121	289	692	462	3017	4581
Rear End	13	96	449	788	3171	4517
Angle	19	92	338	470	1552	2471
Sideswipe Same Direction	11	29	112	103	1477	1732
Left Turn	11	55	192	256	720	1234
Other	10	18	62	69	616	775
Rear To Side			7	8	519	534
Sideswipe Opposite Direction	1	7	34	31	212	285
Head On	27	20	35	33	118	233
Pedalcycle	2	13	74	71	48	208
Pedestrian	31	33	65	41	34	204
Unknown		2	12	16	161	191
Rear To Rear		1	2	5	53	61
Grand Total	246	655	2074	2353	11698	17026

Fatal and Serious Injury Crash Locations



Driver Violations in Crashes

- 28% Inattention/Distraction
- 24% Speeding
- 14% Failed to Yield Right of Way
- 10% Other
- 5% Followed too Closely
- 4% Unsafe Lane Change
- 4% Made Improper Turn
- 3% Ran Stop Sign
- 2% Disregarded Traffic Signal

What We Need From You

- Participation in Stakeholder Workshops
 - September 16, 9:00-11:30 AM, Casa Grande
 - 2nd Workshop TBD in 2016 (late summer)
- Meeting with each law enforcement agency:
 - Validate crash data
 - Does ADOT database include all crashes?
 - Identify crash data issues and concerns
 - Traffic and Criminal Software (TraCS)

Law Enforcement participation is crucial to reducing fatal and serious injury crashes

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ONLINE PUBLIC OUTREACH

Sun Corridor MPO

Strategic Transportation Safety Plan

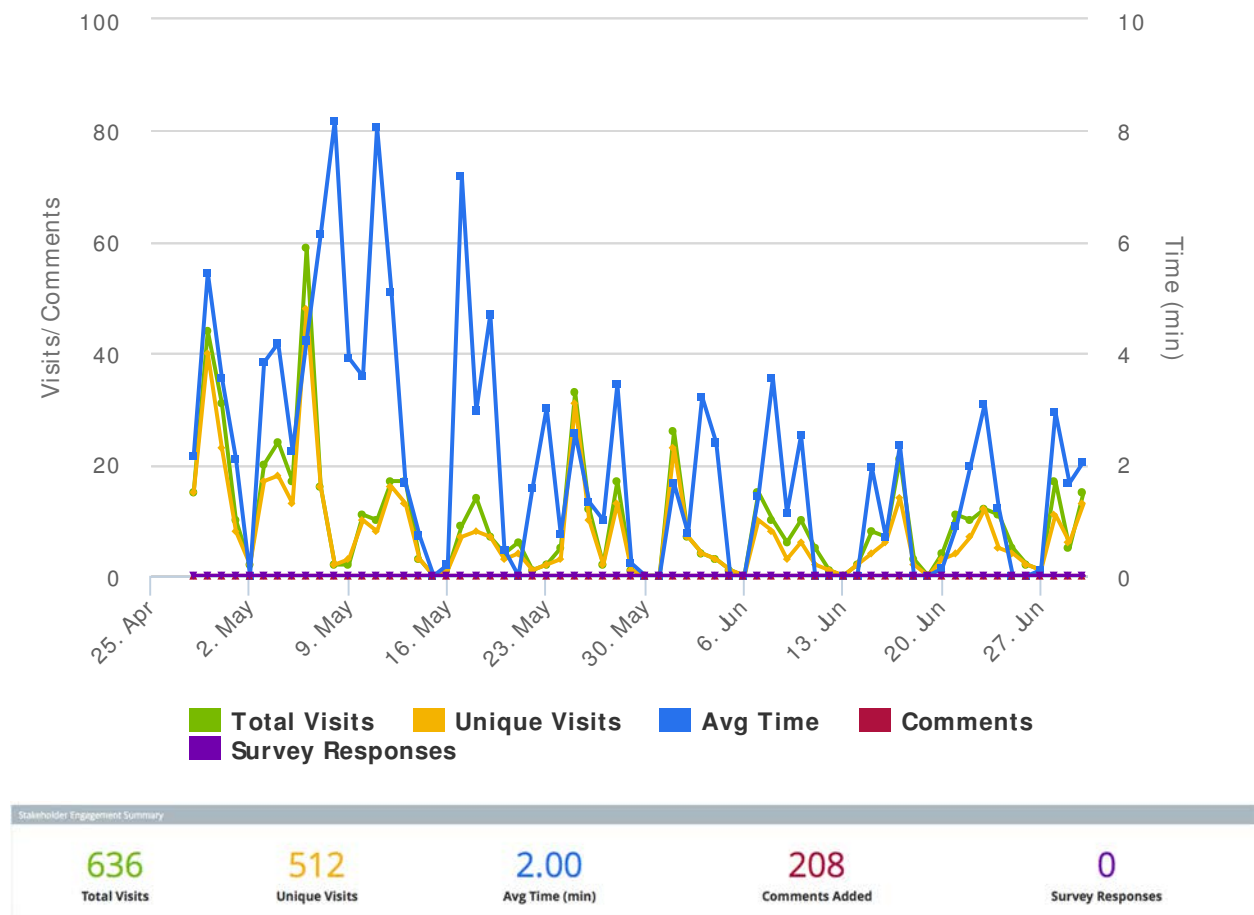
Public Outreach – Online Mapping Tool Results

Introduction

The Social Pinpoint online public engagement platform was launched April 25, 2016 to supplement public outreach performed during the preparation of a Strategic Transportation Safety Plan (STSP) for the Sun Corridor Metropolitan Planning Organization region. Visitors to the scmpo.mysocialpinpoint.com/scmpo website were directed to a landing page that provided a brief introduction and instructions on how to use the site. Participants were able to zoom in on a map that showed the STSP boundary where they could drag a “pin” to the location they wished to mark and make a comment or comment on an existing pin. The pins were icons representing vehicles, bicycles or pedestrians. The following results were as of August 24, 2016.

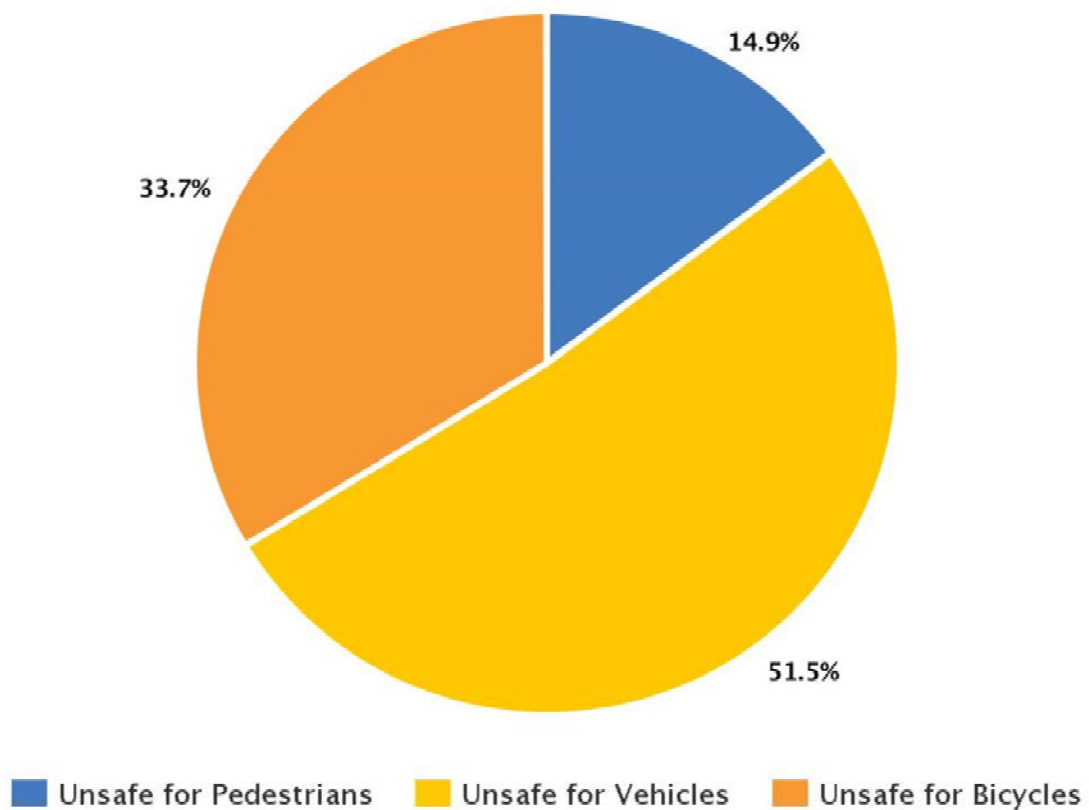
Participation

A total of 208 comments were added by the general public. There were 512 unique visits to the site. The chart below shows that visitors spent an average of 2 minutes exploring the site. The main goal of the site was to collect comments with the added benefit that participants also learned about the safety concerns of other participants and increased their awareness of traffic safety issues in the area.



Participant Concerns

Most participants (51.5%) made comments concerning vehicle travel. Pedestrian travel comments followed at 33.7% and bicyclist comments accounted for the remaining 14.9%.



Sun Corridor MPO
Strategic Transportation Safety Plan
Public Outreach – Online Mapping Tool Results

Pins and Comments

The site was set up to gather demographic data from the participants including their zip code, city and age range. The majority of the pins and comments originated from the Casa Grande area. Specifically, pins and comments originated from the following jurisdictions or areas:

- Casa Grande: 143
- Tucson: 27
- Eloy: 17
- Coolidge: 10
- Arizona City: 5
- Florence: 2
- Scottsdale: 2
- Sells: 1
- Unknown: 1

A complete listing of the comments is on the following pages. The Figure numbers refer to the maps that the Comment ID numbers are located on:

Figure 1: Casa Grande

Figure 2: Coolidge

Figure 3: Eloy

For example, Comment ID 1, Figure 1, refers to lack of bike lanes on Florence Boulevard in Casa Grande.

Comment ID	Type	Comment	Additional Comment	Figure
1	Unsafe for Bicycles	Agreed with the other pins, no bike lane all through Florence Blvd.		1
3	Unsafe for Pedestrians	Trucker/vehicle congested area, difficult for pedestrians, bicycles, and vehicles in general in my opinion.		1
4	Unsafe for Bicycles	Trucker/vehicle congested area, difficult for pedestrians, bicycles, and vehicles in general in my opinion.		1
8	Unsafe for Vehicles	Road is bad on curve and people drive really bad two lanes trucks you name it. its bad.		1
9	Unsafe for Vehicles	Merging on to I-10 here from Jimmie Kerr Blvd. is very dangerous. Traffic on I-10 is moving fast and it is hard to see the traffic coming up over the bridge.		1
15	Unsafe for Vehicles	This area is very unsafe for vehicles during Haboobs and I feel that more needs to be done to inform the drivers.		1
17	Unsafe for Vehicles	Totally unsafe turn from I-10 onto Jimmie Kerr		1
21	Unsafe for Vehicles	Consider right and left turn lanes on Maricopa-Casa Grande Highway to Val Vista Road. Vehicles travel at high rates of speed on the highway and turning onto Val Vista Road is dangerous at best.		1
25	Unsafe for Bicycles	Bike and Trails system needs to be implemented in CG. Begin by using the new location for the CG Community Rec Center. Use it as the hub to begin building the Bike and Trails Master Plan.		1
26	Unsafe for Vehicles	Maricopa/Casa Grande Hwy is in very poor conditions and very un-safe for vehicle or bicycle traffic.		1
28	Unsafe for Vehicles	S-Curve makes it very dangerous. Several fatal at this location. Need additional signage to warn drivers.		1
29	Unsafe for Vehicles	4-way stop...need a traffic signal		1
30	Unsafe for Vehicles	Excessive speeding on this road.		1
32	Unsafe for Vehicles	This Traffic Signal needs left turn arrows		1
33	Unsafe for Vehicles	Need turn lanes.		1

34	Unsafe for Vehicles	This road is unsafe...excessive speeding, road needs to be repaved and widened with turn lanes.		1
35	Unsafe for Vehicles	There are speeders on Florence Boulevard. When I try to make a left turn onto Florence from City Hall area where I go often, it seems to take a few traffic light cycles before I can move safely.		1
39	Unsafe for Vehicles	This whole ramp area is unsafe. The curves on the ramps as well as the intersections between the ramps and Jimmie Kerr.		1
40	Unsafe for Vehicles	dropped lane no I10 surprises many drivers and they swerve to avoid being forced onto I8.		1
41	Unsafe for Vehicles	Arizola/Kortsen into Mission Valley is a hazard. There have been accidents. Desert Willow Elementary School is in Mission Valley so there is a lot of traffic during the school year.		1
47	Unsafe for Vehicles	I-10 west bound narrows to 2 lanes while I-8 traffic is merging onto west bound I-10. The heavy truck traffic on I-10 coupled with merging 4 lanes into 2 creates a dangerous situation		1
48	Unsafe for Vehicles	Pavement conditions turning onto I-10 Westbound ramp from Jimmie Kerr are terrible and especially dangerous for motorcycles. This could also use a dedicated right turn lane, going northwest on J. K.		1
49	Unsafe for Pedestrians	Pedestrian crossing in any direction at the intersection of Peart and McCartney is dangerous. The high amount of traffic should support a traffic signal for several safety reasons.		1
50	Unsafe for Vehicles	Median on Pinal is beautiful, however the landscaping makes left turns dangerous in several spots.		1
55	Unsafe for Vehicles	west on Jimmie kerr and making a right turn to enter I-10 W bound, so when you slow down to make a right cars behind either almost hit you or pass over the double yellow lines on the left entering the		1
56	Unsafe for Vehicles	Dangerous area in early AM & mid afternoon when school is in session. Not		1

		safe for kids to cross Kortsen to get to school nor trying to make a left hand turn from Pueblo on to Kortsen!!!		
57	Unsafe for Vehicles	Very dangerous area in the early AM & PM mid afternoon when school in session. Trying to pull out onto Kortsen from Pueblo trying to turn left. Impatient people!! Needs a stoplight!!!!!!		1
58	Unsafe for Vehicles	Making a left hand turn fm Sunland Gin on to Jimmie Kerr/Mopar is not safe - fast traffic & the angle of the intersection. Stoplight would solve problem. No one pays attention to 45 mph speed limit.		1
60	Unsafe for Vehicles	the intersection of S Sunland Gin Rd and W Jimmie Kerr Blvd is notorious to myself and my friends and family as 5 of us have had close calls, and I myself had a hit and run on this intersection.		1
61	Unsafe for Bicycles	Neither choice is ideal or safe for cyclists.		1
62	Unsafe for Bicycles	Cottonwood in particular is a bad one because it actually starts out having a bike lane and then it just disappears with no alternate route so you are stuck or you have to stop and turn around.		1
64	Unsafe for Vehicles	The lack of a left-turn lane for southbound vehicles on Trekell wanting to turn into the high school causes an unsafe level of congestion in this area.		1
65	Unsafe for Bicycles	The Peart Road corridor from Kortsen to McCartney does not have adequate bike lanes or shoulders to accommodate bike traffic, This roadway section often has bicycle traffic.		1
66	Unsafe for Pedestrians	Area of Florence Blvd and Cacheris in Casa Grande is scary for pedestrians, and drivers. We have hotels on the south side of the highway, amenities on the north side, and cars traveling @ hiway speed		1
67	Unsafe for Vehicles	The Jimmie Carr on ramps for I 10 are terrible, the two lanes are dangerous, the bridge is narrow. We need 3 lanes between Casa Granda, Arizona City on down to past Pichaco Peak. Bad crashes, scary.		1
68	Unsafe for Vehicles	Neighborhood is too dark. We have some street lights, but they don't work		1

69	Unsafe for Vehicles	There is a crosswalk here and there is no street light. It is extremely dark and always scared to hit someone		1
70	Unsafe for Vehicles	Airport Tavern's entrance is not straight across from Viola St. You try to turn into Viola Street from Pinal Ave. Meanwhile you have cars try to turn into Airport Tavern, with no turning lane.		1
71	Unsafe for Vehicles	This road is way too small for two cars. Where the road curves is the absolute worst at night. I always have to go off road just a little to accommodate the other cars passing by.		1
72	Unsafe for Vehicles	Too many accidents at Primal & Kortsen.		1
73	Unsafe for Pedestrians	No protected cross walks		1
74	Unsafe for Bicycles	No bike lanes		1
75	Unsafe for Bicycles	No bike lanes		1
76	Unsafe for Bicycles	No bike lanes		1
77	Unsafe for Bicycles	No bike lanes		1
78	Unsafe for Bicycles	No bike lanes		1
79	Unsafe for Bicycles	No bike lanes		1
80	Unsafe for Bicycles	No bike lanes		1
81	Unsafe for Bicycles	No bike lanes		1
82	Unsafe for Bicycles	No bike lanes		1
83	Unsafe for Bicycles	No bike lanes		1
84	Unsafe for Bicycles	No bike lanes		1
85	Unsafe for Bicycles	No bike lanes		1
86	Unsafe for Bicycles	No bike lanes		1
87	Unsafe for Bicycles	No bike lanes		1
88	Unsafe for Pedestrians	No side walks		1

89	Unsafe for Bicycles	No bike lanes		1
90	Unsafe for Pedestrians	No side walks		1
91	Unsafe for Bicycles	No bike lanes		1
92	Unsafe for Pedestrians	No side walks		1
93	Unsafe for Bicycles	No bike lanes		1
94	Unsafe for Bicycles	No bike lanes		1
95	Unsafe for Bicycles	No bike lanes		1
96	Unsafe for Bicycles	No bike lanes		1
97	Unsafe for Bicycles	No bike lanes		1
98	Unsafe for Bicycles	No bike lanes		1
99	Unsafe for Bicycles	No bike lanes		1
100	Unsafe for Bicycles	No bike lanes		1
101	Unsafe for Bicycles	No bike lanes		1
102	Unsafe for Bicycles	No bike lanes		1
103	Unsafe for Bicycles	No bike lanes		1
104	Unsafe for Bicycles	No bike lanes		1
105	Unsafe for Bicycles	No bike lanes		1
106	Unsafe for Bicycles	No bike lane		1
107	Unsafe for Vehicles	this is a dirt road with heavy wash board, which could cause a vehicle to loose control	high speeds on dirt roads are not recommended	1
108	Unsafe for Bicycles	no bike lane. could put these little markers on almost every road in town. zero possibility to get from one part of city to another safely.		1
109	Unsafe for Bicycles	No bike lane,high traffic, high speeds.		1
110	Unsafe for Bicycles	Need bike lanes		1

111	Unsafe for Bicycles	No bike lane. heavy bike travel.		1
112	Unsafe for Bicycles	50 mph speed limit(when observed) no bike lane.		1
113	Unsafe for Bicycles	Zero bicycle lane on a busy street leaves no safe bicycle transport.		1
114	Unsafe for Vehicles	Turning south on to Pinal Ave is unsafe at times.		1
115	Unsafe for Bicycles	The road is horrible, lots of pot holes and trash! The overpass is a mess even for cars and it is never cleaned		1
116	Unsafe for Bicycles	The road between Mission Pkwy and Henness are terrible. No bike lane and the middle median leaves no room for cars and bikes!		1
118	Unsafe for Vehicles	Traffic comes to a near halt as drivers make a right turn from Jimmie Kerr onto Arizola Rd. This area needs a right turning lane and it's dangerous to make a left turn heading east onto Jimmie Kerr.		1
119	Unsafe for Pedestrians	abandon houses all down this street where people sneek in them and drink		1
120	Unsafe for Pedestrians	homeless hang out near playground, I do not feel safe letting my kids play here., plus then they disturb people at the Library.	Park not patrolled, homeless hang out and scare my kids	1
121	Unsafe for Pedestrians	homeless congregate and drink here and ask for money and get aggressive if you do not comply.	This whole "downtown" area after 8pm is unsafe.	1
122	Unsafe for Vehicles	There are no turn lanes and no intersections to turn into Ghost Ranch from the North, and no way to turn South to leave Ghost Ranch without going North then U-turn. VERY DANGEROUS at 55mph traffic.		1
123	Unsafe for Pedestrians	Avenida Ellena and other streets to Colorado St. in Rancho Grande development area do not have sidewalks. We've had people using excessive speed in the area where children play. Speed bumps needed.		1
124	Unsafe for Pedestrians	The Park is full of homeless and unruly adults. They tend to be intoxicated or impaired. When you walk through the park they accost you. It is unnerving and scary.		1

125	Unsafe for Bicycles	No bike lanes	No bike lanes	1
126	Unsafe for Bicycles	Bike lanes are needed. Potholes in Pavemant		1
127	Unsafe for Bicycles	No bike lanes and pavement has alot of potholes...		1
129	Unsafe for Vehicles	There has been a huge monument sign placed at the west exit of the Chevron Gas station that has totally blocked the view of east bound traffic on Florence Blvd.		1
130	Unsafe for Vehicles	4-way stop sign generate a lot of traffic in Q during busy hours. Would be more functional with a traffic light.		1
131	Unsafe for Pedestrians	No continuous sidewalk along Pinal Ave from Fry's food store to Villago residential sub-division. More dangerous at night with no street lights.		1
132	Unsafe for Vehicles	Turning left to Pinal Ave or going east from Centennial is always a struggle no matter what time of the day it is. The opposite traffic has similar struggle.		1
133	Unsafe for Bicycles	No bike lane		1
134	Unsafe for Bicycles	No bike lane		1
135	Unsafe for Bicycles	No bike lane		1
136	Unsafe for Bicycles	No bike lane		1
137	Unsafe for Bicycles	No bike lane		1
138	Unsafe for Bicycles	No bike lane		1
139	Unsafe for Bicycles	No bike lane		1
140	Unsafe for Bicycles	No bike lane		1
141	Unsafe for Pedestrians	Need Red flashing light for pedestrian crossing Florence Blvd		1
142	Unsafe for Bicycles	No bike lane		1
143	Unsafe for Bicycles	No bike lane		1
144	Unsafe for Vehicles	This intersection is unsafe. There are too many accidents. There is a bottle neck		1

		because cars do not fit into the left turn lane and block the straight lanes.		
145	Unsafe for Pedestrians	There are no sidewalks on this street. I would never even try to walk there!	I have to walk in the desert and face the snakes and coyotes rather than walk on the street. There are no sidewalks and no street lights.	1
146	Unsafe for Vehicles	Indian Route 15 on the Tohono O'odham Nation is a safe high speed roadway with access to SR86 and used by many visitors to Mexico. The connecting road to I-8 is in very poor condition for a high road.	The route to connect from I-8 to Indian Route 15 is very indirect and through residential areas. A more direct route and an improved upgraded road would be safer for access and the residents.	1
148	Unsafe for Pedestrians	Need more streetlights and lighted crosswalks.		1
149	Unsafe for Vehicles	Excessive speed and unsafe passing.		1
152	Unsafe for Vehicles	This is a spot where vehicle accidents happen often, myself was included in one. People are unable to see well around high ground as well as stop signs I believe are set to get back.		1
153	Unsafe for Pedestrians	Pedestrians are still crossing Florence Blvd from legacy to chevron even after new stop lights and crosswalks have been installed		1
154	Unsafe for Vehicles	There is so many near accidents involving vehicles here as I work at Arco Ampm.		1
155	Unsafe for Vehicles	East bound at the corner of Mission Pkwy & 287 has cracks and ripples in the asphalt. Really does a number on my vehicle. Try to stay in right lane going east bound but not always possible.		1
157	Unsafe for Vehicles	Left turns off of Sunland Gin are very dangerous		1
161	Unsafe for Vehicles	At night this intersection is impossible to see. Desperately needs an LED street light. Also 2 crosses on the SE corner from previous deaths at this location.		1
162	Unsafe for Vehicles	The two Lanes of Interstate 10 from Milepost 186 to Milepost 169 if far to		1

		congested for only two lanes of travel in each direction. This area of I-10 needs to be improved to three lanes of travel.		
164	Unsafe for Bicycles	The bridge over I-10 is dangerous for cyclists as it has no shoulder or bike lane. Cyclists have to take the lane for safety.		1
168	Unsafe for Vehicles	This is a very dangerous intersection in the mornings and afternoons - parents use this road to drop-off and pick-up students for a local school. A traffic light would help tremendously.		1
171	Unsafe for Bicycles	Maricopa/Casa Grande Hwy should have wide shoulders or a bike lane to allow for safe cycling traffic between CG and Maricopa		1
172	Unsafe for Bicycles	No bike lanes or wide shoulders to allow for safe cycling from one side of I10 to the other.		1
173	Unsafe for Vehicles	Maricopa-Casa Grande Highway needs to be four lanes divided from CG to Maricopa. This road is very dangerous and extremely rough. Too many people speed on it too.		1
174	Unsafe for Vehicles	Dangerous intersection. Needs a traffic light to make it safer.		1
175	Unsafe for Vehicles	Impossible to make a left turn onto Florence from gas station or Cracker Barrel. Need a traffic light now.		1
176	Unsafe for Vehicles	North bound cars make U-turns and stop in the north bound lane because there is no left turn lane at Peart and Sunset. Cars going south bound cannot see if there are north bound cars coming.		1
177	Unsafe for Vehicles	Too dark at night at intersection.		1
178	Unsafe for Vehicles	No left turn lane going east bound. Unlighted intersection is way too dark at night.		1
179	Unsafe for Bicycles	No bike lanes in both directions to get from the east side of I10 to the west side of I10		1
180	Unsafe for Bicycles	no bike lanes or wide shoulders. Medians on west side of I 10 provide no room for cars to safely pass cyclists.		1
181	Unsafe for Vehicles	When there are soccer games the line of traffic waiting to exit onto HWY 84, usually making a left turn across both		1

		lanes of traffic, often times don't heed right of way traffic.		
183	Unsafe for Vehicles	left turn out of Airport seriously dangerous due to median landscaping obscuring vision and no transition lane		1
184	Unsafe for Vehicles	Widening the 10 between here and Chandler should be top priority of any organization concerned about regional transportation. Any growth and economic development will be thwarted by this mess.	I'm frustrated by ADOT spending millions for environmental and transportation studies for 20+ year roads like I-11 while ignoring the fact our only existing route between Pinal and the major..	1
186	Unsafe for Vehicles	unsafe to turn onto Jimmie kerr from i10 exit.	i thought this whole interchange was supposed to be redone.	1
187	Unsafe for Pedestrians	Too many pedestrian fatalities at this location. Immediate action required.		1
188	Unsafe for Vehicles	This traffic signal needs left hand turn arrows.		1
189	Unsafe for Vehicles	A right hand turn lane from McCartney onto Trekell would be beneficial because during school hours it gets backed up.		1
190	Unsafe for Pedestrians	Crosswalk on all four sides would be helpful.		1
191	Unsafe for Vehicles	Very difficult to cross 287 from Hacienda. Heavy traffic in both directions on 287.		1
192	Unsafe for Pedestrians	Pedestrians cross Florence Blvd...too many lanes to cross with speed limit. Very dangerous.		1
193	Unsafe for Vehicles	Drivers do not realize it is not a 4 way stop so drivers on Early Road often pull out in front of Peart drivers.		1
194	Unsafe for Vehicles	East bound I-10 Jimmie Kerr Blvd exit. Dangerous pulling out onto J kerr blvd. traffic on the blvd travel fast making it dangerous when pulling out onto J kerr Blvd.		1
196	Unsafe for Bicycles	More cyclists are on Val Vista. Road markings and/or a wider road would be helpful for all users.		1
197	Unsafe for Vehicles	Vehicles heading south on Pinal from the I-10 tend to speed. Warning about an upcoming signal light may be helpful.		1

		Nights and a rare foggy day enhance the opportunity for red light running.		
201	Unsafe for Pedestrians	This crosswalk/intersection is not well-lit. I have, on more than one occasion, almost struck a pedestrian with my vehicle because it was dark at night. Same for bicycles.		1
202	Unsafe for Pedestrians	Would like a crosswalk here, across Mission Pkwy. People run across the street to get between the stores and the nearest crosswalk is pretty far away.		1
203	Unsafe for Vehicles	Eastbound and westbound traffic on Early road has restricted visibility. Eastbound has an irrigation canal about 5 feet above the road surface. Westbound has high flowers on the fence line at a farm.	Florence Blvd. and Hacienda Road is also dangerous to cross going northbound and southbound.	1
204	Unsafe for Vehicles	Having tall shrubbery in the center of the traffic circle obscures the view of oncoming traffic from all directions.		1
205	Unsafe for Pedestrians	After Melrose, it is unsafe to walk, very risky with so many cars that drive up and down N Casa Grande ave. There are no sidewalks, until after McMurray. There are always people trying walk there.		1
206	Unsafe for Vehicles	Extremely dangerous intersection especially in the morning and afternoon of school days. Traffic backed up on Pueblo, impatient drivers with kids pulling out. Intersection needs a light now!		1
207	Unsafe for Vehicles	Turning onto Jimmie Kerr from the frontage road/I-10 off ramp feels like someone is going to hit you because traffic moves very fast on Jimmie Kerr heading west. I have to accelerate very rapidly.		1
2	Unsafe for Bicycles	Too narrow of a roadway, even for vehicles.		2
20	Unsafe for Vehicles	Intersection just before bridge and large truck traffic and narrow lanes on bridge. Would be great if it could somehow be widened.		2
31	Unsafe for Vehicles	Need turn lanes at Randolph and SR87		2
37	Unsafe for Pedestrians	Walking biking and driving dangerous. Road in bad condition. Narrow and Sun in eyes at times		2

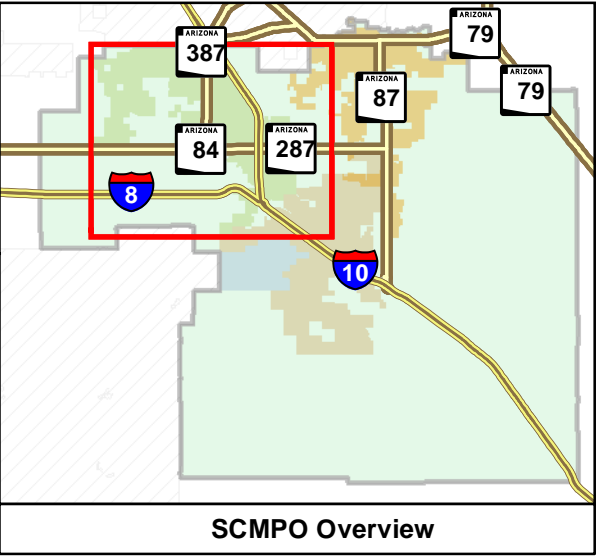
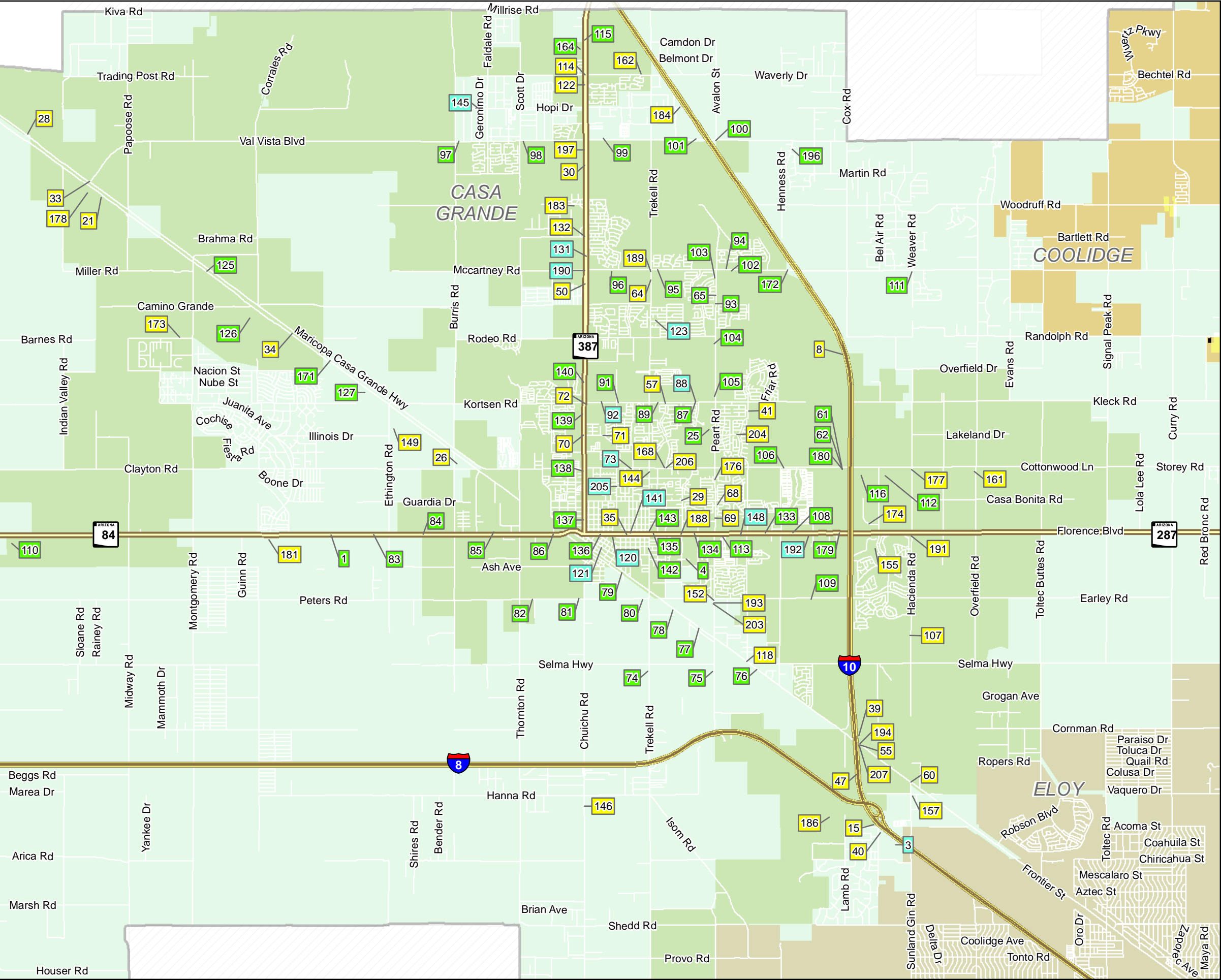
38	Unsafe for Vehicles	Dangerous intersection 2way stop thru way vehicles traveling 65mph+ people seem to misjudge distance n speed		2
46	Unsafe for Bicycles	Attaway Road is the main artery to get from Hunt Highway to the Coolidge Side of the Gila River. I always feel unsafe biking this short stretch. Bike lanes are needed or a nearby alternative route.	All roads should be designed for bicyclists and pedestrians as well as cars and truck traffic. We want our county to be a great place to live. For that matter, horse traffic should also be considered.	2
51	Unsafe for Vehicles	Road repairs on 11 Mile Corner Rd. have resulted in a bump that can be dangerous on a motorcycle. Reconstruction of the drainage pipes would result in restoration of the surface to improve safety.		2
147	Unsafe for Vehicles	A stop light is needed on Skousen and Highway 87. There hav been many accidents. In that location. Also a right turning lane.		2
159	Unsafe for Vehicles	Badly needs a street light to give traffic a fighting chance to either get across or on to HWY 287 from Martin Rd.		2
163	Unsafe for Vehicles	There needs to be a stoplight here. It is next to impossible sometimes to get out of the Safeway parking lot due to traffic flow on Hwy 87		2
165	Unsafe for Bicycles	Pinal Pioneer Parkway needs bike lanes. It has fast traffic, is only 2 lanes, and much of it has no shoulder, especially over the many bridges over washes.	We cycle on the Pinal Pioneer Parkway between Florence and Oracle Junction every year.	2
166	Unsafe for Vehicles	A turning lane would be useful here. There has been multiple accidents at this intersection including fatalities.		2
167	Unsafe for Vehicles	Motorists coming off of Skousen onto Hwy 87 tend to go with not much time and the cars on Hwy 87 are traveling at 65 mph. I think a light would be good here.		2
170	Unsafe for Bicycles	All major and minor arterials and some collector roads should have wide shoulders and or a designated bike lane. (Too many to put on this map). This is needed throughout the study area.	What is needed is a comprehensive Bicycle transportation plan that coordinates with the various	2

			transportation plans in the area.	
185	Unsafe for Vehicles	Multiple accidents including rollovers and multiple deaths over the years where Hwy. 87 and 287 intersect due to drivers going east on 287 hitting drivers going north and south on Hwy. 87.		2
195	Unsafe for Vehicles	Left and right hand turn lanes on Hwy 87 leading to Selma Hwy would improve traffic flow and safety.		2
198	Unsafe for Vehicles	Vehicles move dangerously fast into and out of Coolidge here; a significant accident is probably just a matter of time.		2
199	Unsafe for Vehicles	Multiple accidents over the years and fatalities and serious injuries. Significant traffic busyness and uncomfortable speeds.		2
200	Unsafe for Vehicles	Multiple accidents and multiple deaths over the years!!		2
5	Unsafe for Bicycles	Trucker/vehicle congested area, difficult for pedestrians, bicycles, and vehicles in general in my opinion.		3
6	Unsafe for Vehicles	I was very confused and almost went into oncoming traffic. Scary!		3
7	Unsafe for Vehicles	went through this intersection last week and it was confusing, folks coming different directions and seemed dangerous.		3
10	Unsafe for Vehicles	Where I-10 narrows to two lanes traffic gets congested and potential for accidents increases because drivers become impatient.		3
11	Unsafe for Vehicles	Confusing and dangerous		3
12	Unsafe for Vehicles	Confusing and dangerous		3
13	Unsafe for Vehicles	The change to two lanes always takes me off guard, which makes me think there is not enough warning/signage. I'm probably not the only one, so if traffic is heavy, this feels very hazardous to me.		3
14	Unsafe for Vehicles	3 lane freeway narrows down to 2 lanes in each direction. This creates congestion and slowing down. Then drivers get impatient of merging vehicles and sometime speed up to get ahead or switch lanes		3

16	Unsafe for Vehicles	Gff		3
18	Unsafe for Vehicles	I-10 narrows right where the curve is and goes from 2 to 3 lanes. Very dangerous.		3
19	Unsafe for Vehicles	Needs a light if possible. Turning on to road that leads to I-10, cars are usually driving at a high rate of speed on Casa Grande Highway portion of road. Not sure how to describe intersection		3
22	Unsafe for Vehicles	I would like to see an extra lane on both sides. Phoenix and Tucson are both growing and this is the only passage between the two. An extra lane each way would decrease the congestion.		3
23	Unsafe for Vehicles	I agree. The dust storms and high winds create a real hazard		3
24	Unsafe for Vehicles	Blowing dust across I-10 is a huge hazard and safety problem.		3
27	Unsafe for Vehicles	dusty/visibility bad during high winds		3
36	Unsafe for Vehicles	Two lanes on I-10 is not enough. With all of the truck traffic the congestion makes it unsafe.		3
42	Unsafe for Vehicles	I am always fearful of turning left onto Sunshine Blvd. exiting off I10 East. I can't see if vehicles are approaching. I wish there was a light as on Sunland Gin Rd.	I travel to work on I-10 from Casa Grande to Eloy.	3
43	Unsafe for Pedestrians	No sidewalks unsafe for bicycles and pedestrians		3
44	Unsafe for Pedestrians	Unsafe for pedestrians crossing on SouthEast side, as parking striping is too close to the sidewalk > cars park within 3 feet of the crosswalk. Vision is extremely limited, especially for children.	Temporary road striping for parking is too close to crosswalk.	3
45	Unsafe for Vehicles	The tapers from the I-10 interconnection at Pinal Airpark Road onto the I-10 mainline are too short to accommodate a smooth transition when merging with the interstate through traffic.		3
52	Unsafe for Vehicles	The traffic detector loops are not motorcycle friendly on many of the I-10 interchanges, including Toltec Rd. If the light won't change on a left turn, eventually the motorcycle will run the light.		3
53	Unsafe for Pedestrians	Although Alsdorf Rd. between Sunshine Blvd. and 11 Mile Corner Rd. has wide		3

		gravel / dirt shoulders, pedestrians are frequently walking on the edge of the pavement for convenience. Needs sidewalk/path		
54	Unsafe for Vehicles	Common of all the off-angle intersections along Frontier, it is very difficult to see oncoming traffic. Frequently see vehicles start to cross from a stop sign, then yield when they see oncoming.		3
59	Unsafe for Vehicles	There is a blind curve here that go to Reservation and no shoulder. With the turn there to go to AZ City and change of speed it makes it dangerous for cars, bikes, and pedestrians		3
63	Unsafe for Bicycles	Yes, safe routes from outlying towns would be amazing for people to not only ride in to Casa Grande but to ride out into these areas.		3
117	Unsafe for Bicycles	We would love to bike to work, but Sunland Gin Rd doesn't have a shoulder for riding. Extremely dangerous.		3
128	Unsafe for Bicycles	Very true . It is boarder line suicide. Vehicles with extended mirrors could kill you in a split second.		3
150	Unsafe for Pedestrians	Heavy traffic area and poorly lit street is a concern for pedestrians going to and from Love's to the Motel 6		3
151	Unsafe for Vehicles	This bridge is a safety issue of the above pin drops. This bridge is a high arch with no lighting or shoulders available. Gard rails may not stop vehicles who collide with them and land on I-10		3
156	Unsafe for Bicycles	There are no bicycle/walk areas from Arizona City to I10. Bicyclists often ride their bikes on Sunland Gin Rd. Speed limit is 50 but motorists exceed that. There is no room for bicyclists.		3
158	Unsafe for Pedestrians	There has been several pedestrians observed walking and exercising in this area. When walking west on the overpass vehicles are unable to see pedestrians.	*redacted	3
160	Unsafe for Vehicles	No left turn lane on this major street to get on Shira Rd or to turn into the Tumbleweed Inn. Traffic through here is 45 to 60 mph. Very dangerous to make any turns. Afraid of rearend accidents.		3

169	Unsafe for Vehicles	The area on Sunland Gin Rd between the off ramp of I-10 Eastbound and one/quarter mile south definitely needs a center turn lane for traffic going into the Loves station and the Lucky 9 restaurant.	In addition, traffic trying to get onto Sunland Gin northbound from Arica Rd gets severely backed up especially in the afternoon hours due to constant right turn on red traffic coming off I-10. Would be good to have a NO RIGHT TURN	3
182	Unsafe for Pedestrians	It is poorly lit and there are no shoulders or sidewalks for pedestrians, however, many of the employees that work at the local businesses walk to and from work.		3



Legend

- 112 Unsafe for Bicycles
- 131 Unsafe for Pedestrians
- 181 Unsafe for Vehicles

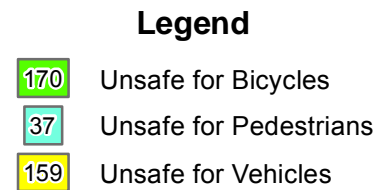
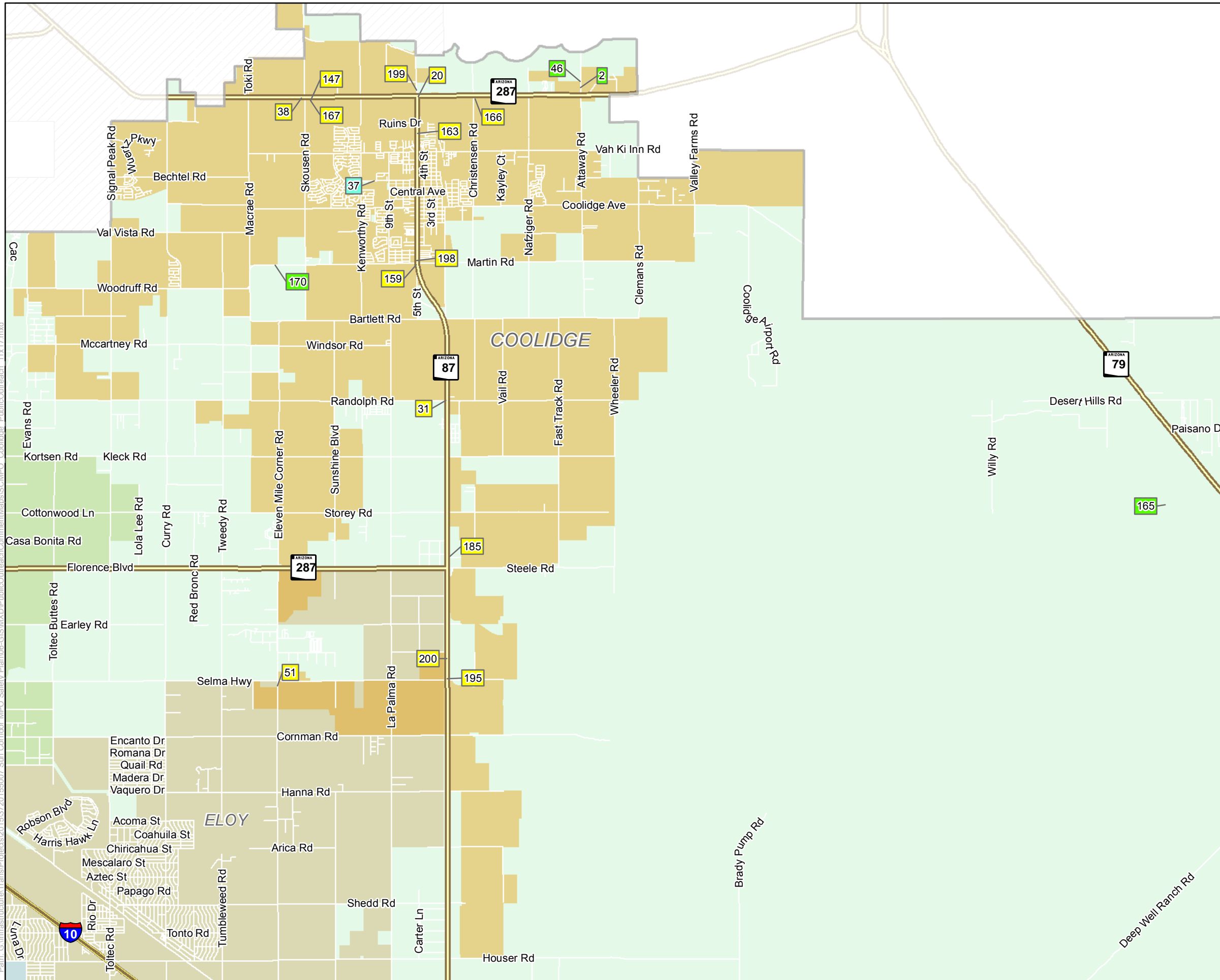


Sun Corridor MPO
Strategic Transportation Safety Plan

**Casa Grande
Safety Plan Outreach Report**

FIGURE 1	Job No.:	37-2015-5007
	PM:	MB
	Date:	8/30/2016
	Scale:	1"=1.5 miles

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Sun Corridor MPO
Strategic Transportation Safety Plan

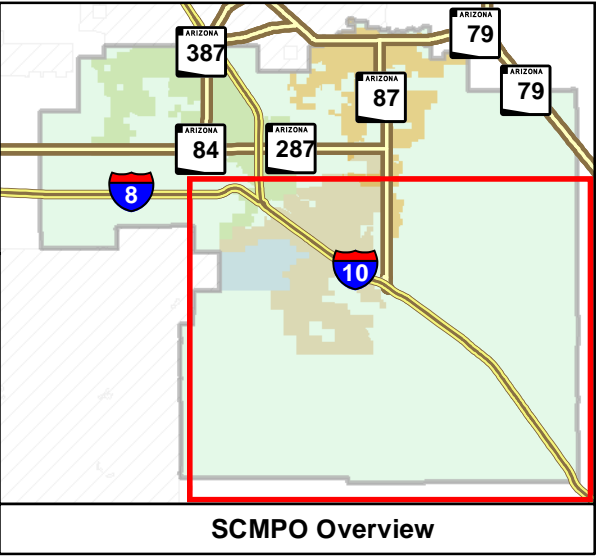
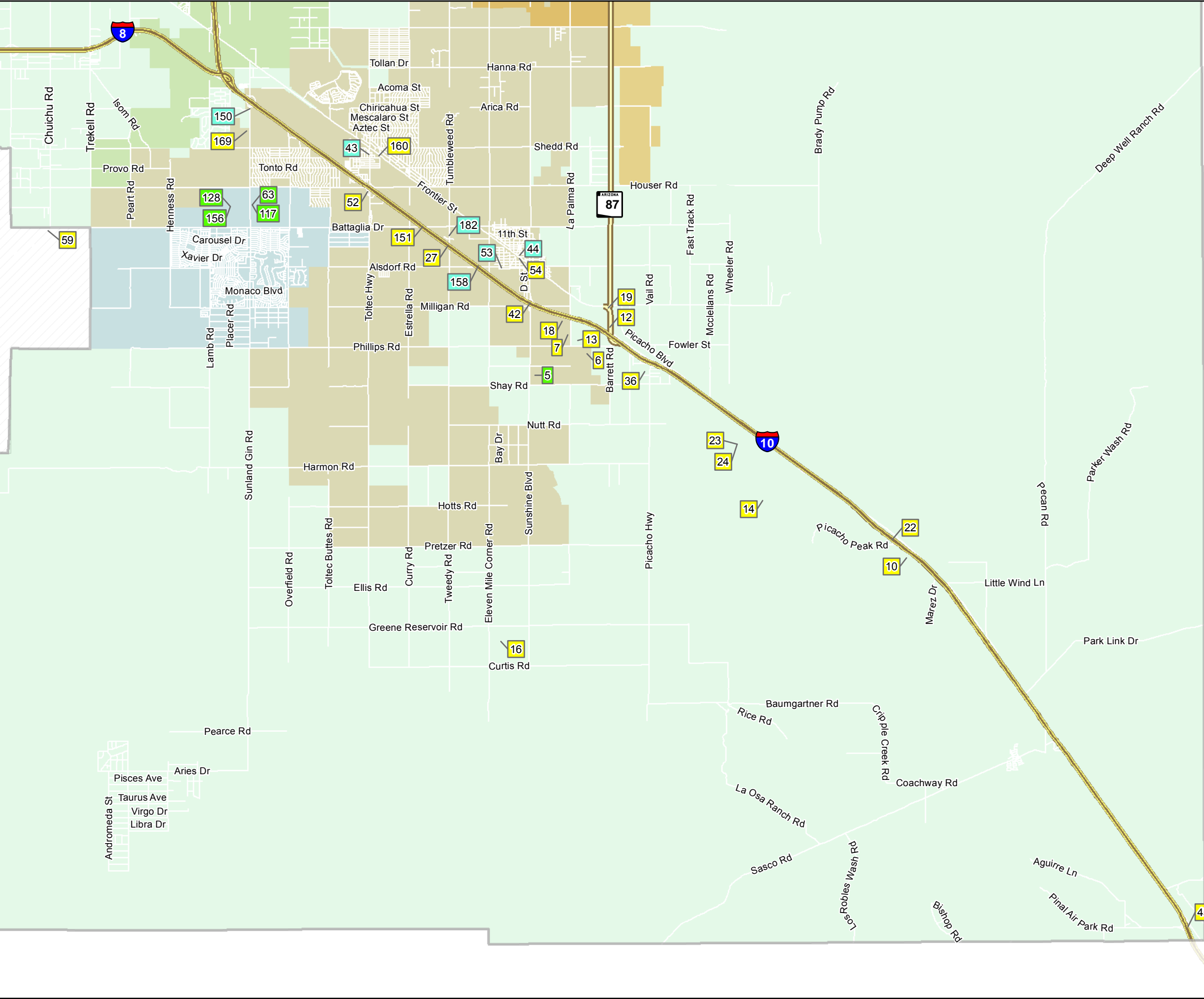
Coolidge Safety Plan Outreach Report

FIGURE
2

Job No.:	37-2015-5007
PM:	MB
Date:	8/30/2016
Scale:	1"=1.75 miles



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Legend

- 128 Unsafe for Bicycles
- 182 Unsafe for Pedestrians
- 151 Unsafe for Vehicles



Sun Corridor MPO
Strategic Transportation Safety Plan

**Eloy / Pinal County
Safety Plan Outreach Report**

FIGURE 3	Job No.:	37-2015-5007
	PM:	MB
	Date:	8/30/2016
	Scale:	1"=2.5 miles

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