



PINAL COUNTY

Strategic Transportation Safety Plan

SCMPO Executive Board September 10, 2019



Technical Oversight & Public Outreach



- ▶ Safety Technical Advisory Committee Meetings
- ▶ Stakeholder/Public Meetings July 2018
- ▶ Stakeholder/Public Meetings July 2019
- ▶ Presentation to Florence Town Council – Sept 2018
- ▶ County Board of Supervisors Briefings – Feb 2019
- ▶ Apache Junction Public Works meeting – Feb 2019
- ▶ Pinal County Public Works meeting – Feb 2019

Survey Findings



Online survey resulted in 585 map comments

- ▶ 77% driver concerns
- ▶ 12% pedestrian concerns
- ▶ 11% bicyclist concerns



Crash Data Overview



In Pinal County during the 10-year period of 2008-2017:

36,058
Crashes

530
Fatal Crashes

612 people died
in the **530** fatal crashes

612 people died on roadways in Pinal County!

Crashes 2008-2017



Crash Type	Fatal	Incapacitating Injury	Incapacitating Injury	Non-Possible Injury	No Injury	Total
Rear End	39	241	1,094	1,794	7,530	10,698
Single Vehicle	229	573	1,540	1,072	6,535	9,949
Angle	49	176	573	802	2,655	4,255
Left Turn	25	165	490	663	1,966	3,309
Sideswipe Same Direction	13	50	177	192	2,877	3,309
Other	21	57	139	145	1,068	1,430
Sideswipe Opposite Direction	5	20	83	85	463	656
Head On	63	65	107	90	260	585
Rear to Side	0	3	6	18	529	556
Unknown	1	4	31	46	360	442
Bicyclist	14	36	120	129	67	366
Pedestrian	71	64	105	59	46	345
Rear to Rear	0	2	16	16	124	158
Total	530	1,456	4,481	5,111	24,480	36,058

Vision/Goal



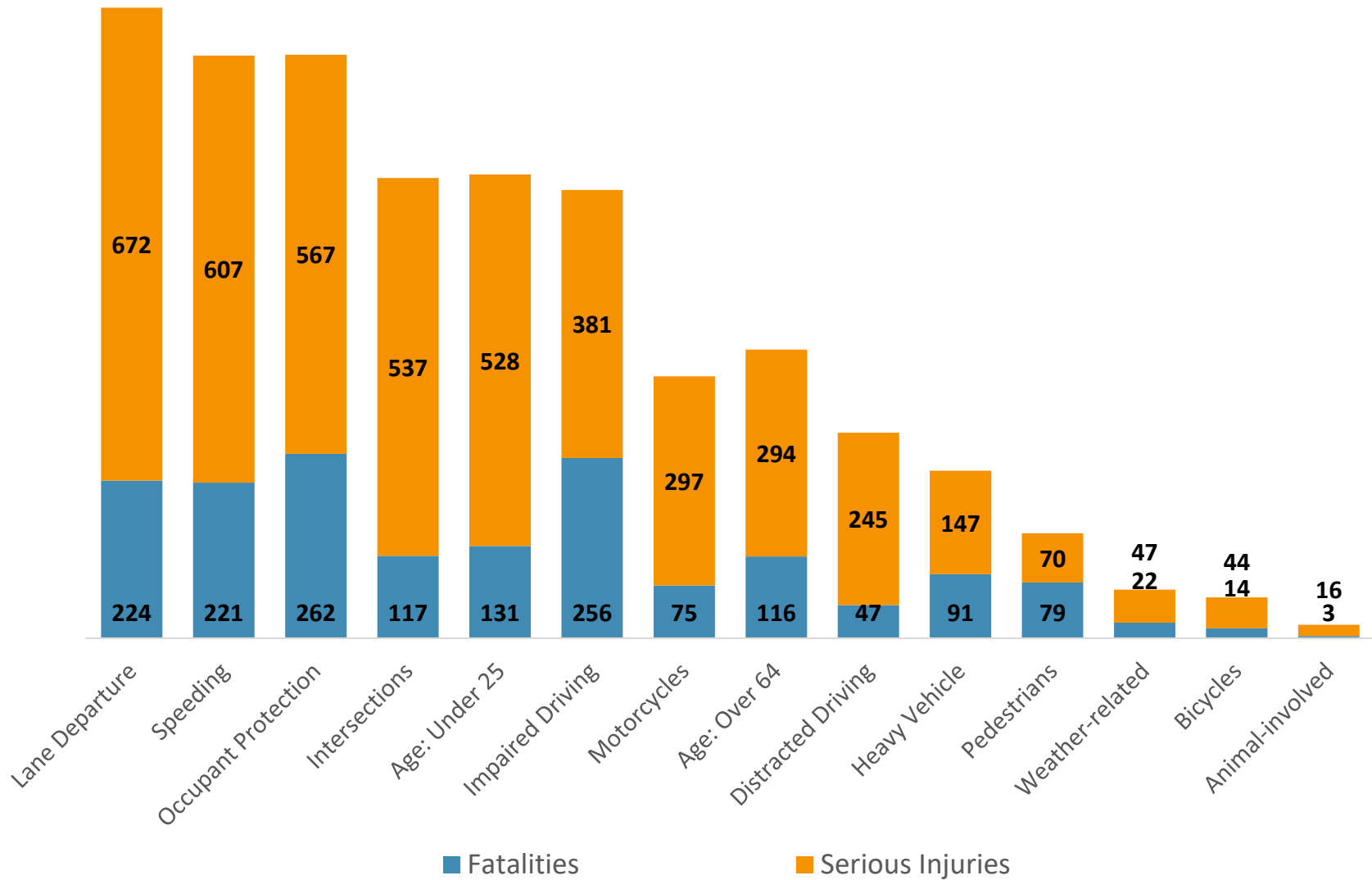
Vision:

- ▶ STRIVING FOR ZERO DEATHS – One is Too Many!

Goal:

- ▶ Achieve a consistent and sustainable annual reduction in traffic deaths on public roads within Pinal County

Emphasis Areas



Priority Emphasis Areas



- ▶ Lane Departure
- ▶ Intersections
- ▶ Age Related (Older & Younger Drivers)
- ▶ Vulnerable Users (Pedestrians, Bicyclists, Motorcyclists)
- ▶ Behavior Related
 - ▶ Speeding
 - ▶ Distracted
 - ▶ Impaired
 - ▶ Occupant Protection

Safety Strategies Examples



Safety Edge



Reflective Border
Backplates



Enhanced Curve
Delineation



Rumble Strips



Sidewalks



Lighting



Shoulder Improvement

Network Screening Tools



- ▶ Developed spreadsheet-based tools for ranking intersections and segments based on crash data
- ▶ Local agency can adjust the importance of crash frequency, severity, and rate based on its priorities
- ▶ Tool links the ranked sites to their location in Google Maps

Network Screening Tools



PINAL COUNTY
WIDE OPEN OPPORTUNITY

Count of Intersections Shown: 326

Unsignalized/Signalized Analysis Tool (USAT)

Intersection Selection: Set filters below then click "Update List" >

Update List

Print

All Roads Only these roads:

Only roads within these agencies:

Signalization Status: With at least total crashes during data period

Include Only Intersections with ADEV Available

Intersection	Signal-ized	Owner	ADEV	Crash Severity*					Crash Freq.	Weight:	Crash Rate	Crash Rate Rank	Severity Index	33.4%	PI	PI Rank
				1	2	3	4	5		33.3%				Severity Index Rank		
SR 287 & SR 87	No	ADOT	8715	10	5	14	4	2	35	33.3%	1.10	29	2.37	21	40.98	1
Hunt Hwy & Attaway Rd	Yes	Florence	11849	35	13	4	6	1	59	33.3%	1.36	18	1.86	67	42.358	2
SR 387 N & Val Vista Blvd	Yes	ADOT	23276	53	21	13	5	2	94	33.3%	1.11	28	1.72	79	43.369	3
SR 88 & Superstition Blvd	No	ADOT	10555	42	12	7	5	0	66	33.3%	1.71	6	1.65	94	45.049	4
Ironwood Dr & Superstition Blvd	Yes	Apache	17905	42	10	5	9	0	66	33.3%	1.01	42	1.88	61	46.015	5
White & Parker Rd & Maricopa Casa	Yes	Maricopa	6893	24	8	4	4	1	41	33.3%	1.63	10	1.88	62	46.016	6
Peters Rd & Florence St	No	Casa Grande	3334	8	2	5	3	1	19	33.3%	1.56	13	2.38	20	49.637	7
Bella Vista Rd & Hunt Hwy	Yes	Pinal County	54534	238	43	30	17	0	328	33.3%	1.65	8	1.47	143	50.759	8
Gantzel Rd & Empire Rd	Yes	Pinal County	20168	37	11	10	7	0	65	33.3%	0.88	56	1.84	69	54.015	9
Ironwood Dr, Gantzel Rd & Ocotillo Rd	Yes	Pinal County	51448	186	41	21	11	1	260	33.3%	1.38	16	1.46	149	56.093	10

Safety Projects



Awarded \$13 Million in federal safety funds (HSIP)

- ▶ Hunt Highway, Gary Rd to Bella Vista Rd
- ▶ Gantzel Road, Ocotillo Rd to Combs Rd
 - ▶ Flashing yellow arrows, median modifications for improved sight distance, median installation, sidewalk
- ▶ 73 Miles of Center & Edge Line Rumble Strips on 15 roads
- ▶ Kings Ranch Road, Sunrise Sky Drive Pedestrian Hybrid Beacon

Safety Projects



- ▶ Cottonwood Ln/Kadota Ave: Pedestrian Hybrid Beacon
- ▶ Skousen Rd/Eleven Mile Corner Rd, SR 87 to Battaglia Rd: Center and edge line rumble strips, markings & replacement of 24-inch stop sign with 30-inch stop sign at Hanna Road approach
- ▶ SR 287, Hacienda Rd to SR 87: Center and edge line rumble strips
- ▶ SR 87/SR 287 at Kenworthy Rd, at Christensen Rd: installation of right-turn and left-turn lanes

Safety Projects



Apache Junction:

- ▶ Street Lighting on Apache Trail, Superstition Blvd
- ▶ Ironwood Dr Shoulder Widening & Rumble Strips
- ▶ LED Stop Signs – 13 intersections in the County, including Casa Grande, Coolidge, Eloy, and Gila River Indian Community
- ▶ Gantzel Road, Bella Vista Rd to Rebecca Ln Sidewalk Installation
- ▶ SR 87/Kleck Rd (Coolidge) Left-Turn Lanes

Next Steps



- ▶ Draft Report in review
- ▶ Final Report October
- ▶ County and SCMPO Approval October/November