



CITY OF SURPRISE
Regular City Council Work Session
16000 N. Civic Center Plaza
Surprise, AZ 85374
 Tuesday, January 6, 2026 @ 4:30 PM
COUNCIL CHAMBERS

- A. Call To Order
- B. Roll Call
- C. Pledge of Allegiance
- D. Regular City Council Work Session Agenda

CONSENT AGENDA:

REGULAR AGENDA ITEM - PUBLIC HEARING:

REGULAR AGENDA ITEM - NON-PUBLIC HEARING:

- | | | | |
|----|----------|---|--|
| 1. | Citywide | Fighter Country Partnership Update | Jodi Tas
City Manager Office |
| 2. | Citywide | Presentation and discussion regarding proposed updates to the municipal code, Chapter 58 — Utilities. | Michael Boule
Water Resource Management |
| 3. | Citywide | Flashing Yellow Arrow Safety Campaign | Eric Boyles
Transportation |
- E. Executive Session

For information Purposes; Upon a public majority vote of a quorum of the City Council, the Council may hold an executive session, which will not be open to the public, but for only the following purposes:

- discussion or consideration of personnel matters (A.R.S. §38-431.03 (A)(1));
- discussion or consideration of records exempt by law from public inspection (A.R.S. §38-401.03 (A)(2));
- discussion or consultation for legal advice with the city’s attorneys (A.R.S. §38-431.03 (A)(3));
- discussion or consultation with the city’s attorneys regarding the city’s position regarding contracts that are the subject of negotiations, in pending or contemplated litigation, or in settlement discussions conducted in order to avoid or resolve litigation (A.R.S. §38-431.03 (a)(4));
- discussion or consultation with designated representatives of the city in order to consider its position and instruct its representatives regarding negotiations with employee organizations (A.R.S. §38-431.03 (A)(5)); or
- discussion, consultation or consideration for international and interstate negotiations or for negotiations by a city or town, or its designated representatives, with members of a tribal council, or its designated representatives, of an Indian reservation located within or adjacent to the city or town. A.R.S. §38-401.03 (A)(6).
- discussing or consulting with designated representatives of the city in order to consider its position and instruct its representatives regarding negotiations for the purchase, sale or lease of real property (A.R.S. §38-431.03 (A)(7)).

Confidentiality Requirements Pursuant to A.R.S. §38-431.03(C)(D): Any person receiving executive session information pursuant to A.R.S. §38-431.02 shall not disclose that information except to the Attorney General or County Attorney by agreement of the City Council, or as otherwise ordered by a court of competent jurisdiction.

The council may vote to hold an executive session for the purpose of obtaining legal advice from the Board's attorney on any matter listed on the agenda pursuant to A.R.S. § 38-431.03(A)(3).

F. Adjournment

KRISTI PASSARELLI, CITY CLERK

POSTED: Wednesday, December 31st, 2025 @ 10:00 AM

SPECIAL NOTE: PERSONS WITH SPECIAL ACCESSIBILITY NEEDS, INCLUDING LARGE PRINT MATERIALS OR INTERPRETER, SHOULD CONTACT THE CITY CLERK'S OFFICE @ 623.222.1200 OR CLERK@SURPRISEAZ.GOV, BY NO LATER THAN 24 HOURS IN ADVANCE OF THE REGULAR SCHEDULED MEETING TIME.



CITY OF SURPRISE
Regular City Council Work Session

Council Meeting Date: January 6, 2026

Contact Person: Jodi Tas, MNGMNT ANALYST - SR

Submitting Department: City Manager Office

District: Citywide

Staff Recommendations: None

Consent: No

Regular: Yes

Public Hearing: No

Report/Discussion: No

Agenda Wording:

Fighter Country Partnership Update

Motion:

Discussion only

Background:

Fighter Country Partnership (FCP) is a 501(c)3 tax exempt, national non-profit charitable foundation. FCP is dedicated to supporting the men, women and families of Luke Air Force Base of which many active military members from the base reside. It aims to bolster morale and well-being through various programs, advocate for the base's mission and inform the public about its importance to the community and national security. The organization raises funds and community support to assist airmen and their families, ensuring the base can continue its mission of training fighter pilots.

Objective Analysis:

To provide the annual update on the organization's support and contributions to airmen and the base throughout 2025.

Policy Compliant:

Financial Impact:

There is no anticipated financial impact related to this item.

Budget Impact:

There is no anticipated budget impact related to this item.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

1. 2026 City of Surprise FCF Briefing





City of Surprise

2025 Fighter Country Foundation Unique Community Engagement



Where FCF support goes...

- **Morale and Well-being**

FCF Financial Saves Expo, Chaplain's Deployed Family Events, Luke Summer Camps for Autism, Back-to-School Bash, 1st Sergeant Appreciation Dinner, Summer Camps for Deployed children and much more

- **Culture and Tradition**

Luke Days Open House, Haboob Havoc Hangar Party, 425th Family Day at the Range, Luke AFB Ball, Annual Awards, Civilian Fly-In

- **Mission Sustainability**

Luke Forward (F-35 Campaign), Luke Honorary Commanders Program, Luke West Valley Council, Luke Planning & Zoning, Education & Awareness

“The Power of Outcomes”

Enhancing the Quality of Life



- Deployed Family Programs
- Back-to-School Bash
- FCF Financial Saves Expo
- A FCF Thunderbolt Thanksgiving
- 1st Sergeant Appreciation
- Dorm Dwellers Holiday & Summer Programs
- FCF BlazerBox – Deployed Care Packages
- Operation Santa for Luke’s Deployed Children
- Squadron Holiday Support Programs
- Dinner & Dash Date Nights
- Single Parents Retreats
- And many more....



Luke Forward Campaign

Facility Construction & Renovation Projects

- Luke Fire House #1
- Child Development Center – Kitchen Upgrades
- FCF – AZ Coyotes DEK Hockey Rink
- 5 Fighter Squadron Heritage Room Projects
- Luke Flight Line Kitchen
- Child Development Center Toddler Room Upgrades
- Security Forces Guard Mount Room
- Child Development Center Staff Break Room project
- Luke Chapel Kitchen Renovation Project
- Frank's Fridge Food Pantry
- Honor Guard Training Facility

All Projects – Gifts to the Department of the Air Force



56th FW Security Forces Guard Mount Room





56th FW Security Forces Guard Mount Room





Child Development Center - Staff Break Room



How it continues...



- Installation / Community relationships are CRITICAL
- CIT / PA – Continuity Piece is MANDATORY
- Consistent Honorary Commander Program – A MUST
- Sustain & Grow Programs alongside Leadership support
- Measure & Share Outcomes with Partners & Donors

The Leadership of the Installation provides the Potential

The RELATIONSHIPS make it Happen!!!



THANK YOU

&

QUESTIONS



CITY OF SURPRISE
Regular City Council Work Session

Council Meeting Date: January 6, 2026
Submitting Department: Water Resource Management
Staff Recommendations:

Contact Person: Michael Boule, Director
District: Citywide

Consent: No Regular: No Public Hearing: No Report/Discussion: Yes

Agenda Wording:

Presentation and discussion regarding proposed updates to the municipal code, Chapter 58 — Utilities.

Motion:

N/A

Background:

Water Resource Management seeks to add a High Water User Regulation. The ordinance updates are intended to strengthen the city's ability to manage its water supply.

Objective Analysis:

N/A

Policy Compliant:

This ordinance is consistent with the City's water acquisition policy and City Council Strategic Plan Goals 7.1, 7.2, 7.3, and 7.4.

Financial Impact:

N/A

Budget Impact:

N/A

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

1. 2025.11.18 Draft Code Language - High Water User Regulation
 2. HWU Ordinance presentation
-

ARTICLE VIII. - HIGH WATER USER REGULATIONS

DIVISION 1. – GENERALLY

Sec. 58-805. – Purpose and intent.

- (a) The Surprise City Council has determined it is in the best interests of the City to establish certain terms, conditions, limitations, and other requirements regarding the City's *water supply* to ensure water security for all *water customers*.
- (b) This Article will assist the City in maintaining a sustainable *water supply* for existing and future *water customers* of the City's *water supply*.
- (c) This Article is only intended to regulate industrial and commercial *water customers*.

Sec. 58-806. - Definitions.

For purposes of this Article only, the following terms shall have the meanings ascribed below:

- A. *Allocation* shall mean the City's act(s) of enumeration of water it owns or may own in the future for delivery in its potable water or non-potable water distribution system for current and future *water customers*. Allocation of water under this Article does not convey any rights to others for the use, ownership, or reservation of such water to any particular *water customer* being served or potentially to be served by the City's *water supply*.
- B. *Applicant* shall mean the owner, or owner's agent, who applies for development entitlements pursuant to the Surprise Municipal Code.
- C. *Development entitlements* shall mean all necessary City approvals and permits required by the Surprise Municipal Code for development, construction, and/or installation of improvements on property located in the City of Surprise, including, but not limited to, zoning, zoning variances, annexations, and other permits and approvals.
- D. *High water user* shall mean an industrial or commercial *water customer*, excluding a *water customer* in existence prior to enactment of this Article which:
 - (1) Uses or will use more water than the *Level I water use allocation* of 100,000 gallons per day ("gpd") annual average.
 - (2) Requires or will require one or more new meters for a building that already has water service, and the combined water use is or will be more than an annual average of 100,000 gpd.
 - (3) increases their water usage to exceed 100,000 gpd annual average after the date of enactment of this Article.

- E. *Integrated Water Master Plan* shall mean a document that provides long-term guidance for the orderly improvement and growth of the City's water supply portfolio and drinking water, wastewater, reclaimed water, and groundwater recharge infrastructure.
- F. *Level I water use allocation* shall mean the most recently City Council-approved allocations of water usage assigned to industrial and commercial uses as gallons per day. The current *Level I water use allocation* for *water customers* is up to 100,000 gpd annual average. *Level I water use allocations* may be periodically updated based on information provided in the City's *Integrated Water Master Plan* and in congruence with future applications by the City to modify its Designation of Assured Water Supply.
- G. *Level II water* shall mean water that may be available for allocation based on the City's *Integrated Water Master Plan*, and at the discretion of the City Council, to a *high water user*. The current range of water demand that is eligible for allocation for a single water customer is 100,001-200,000 gpd annual average.
- H. *Level II water use allocation* shall mean the City Council-approved allocation of *Level II water* to a *high water user* in accordance with this Article and a *sustainable water service agreement*.
- I. *Level III water* shall mean water, in an acceptable form to the City, that the *high water user* has acquired and conveyed to the City or that may be available for purchase at a price determined by the City. Water demand that exceeds 200,000 gpd annual average qualifies as Level III water.
- J. *Level III water use allocation* shall mean the City Council-approved allocation of *Level III water* to a *high water user* in accordance with this Article and a *sustainable water service agreement*.
- K. *Sustainable water service application* shall mean the application that all *applicants* and *water customers* desiring to exceed 50,000 gpd annual average and/or become a *high water user* must submit. *Applicants* and *water customers* must submit a *sustainable water service application* at the same time they submit any application for *development entitlements*, new meter(s), or before increasing their usage to exceed 50,000 gpd annual average.
- L. *Sustainable water service agreement* shall mean a written agreement that has been entered into between the *applicant* and the City, as described in this Article.
- M. *Total water allocation* shall mean the sum of *Level I*, *Level II*, and *Level III water use allocations*.

N. *Water customer* shall mean a *customer* that utilizes the City's *water supply*, as defined in § 58-3.

Sec. 58-807. – Applicability and exclusions.

- (a) This Article applies to industrial and commercial *water customers*, including:
1. All *water customers* beginning new water service after the effective date of this Ordinance who meet the criteria for a *high water user*; or
 2. All existing *water customers* who, after the effective date of this Ordinance, request an increase in meter size or revise a site plan in a way that qualifies the *water customer* as a *high water user*, regardless of prior water use.
- (b) This Article does not apply to existing *water customers* whose water use at the *water customer's* facility equals or exceeds 100,000 gpd annual average on the effective date of this Ordinance and who does not request water meter upsizing.
- (c) All *water customers*, except those excluded in section (b) above, unless approved by City Council, who exceed 100,000 gpd on an annual average basis shall be subject to penalties described in § 58-810 below.
- (d) All *water customers* that anticipate exceeding the *Level I water use allocation* shall enter into a *sustainable water service agreement* that has been executed by the *applicant* in a form acceptable to the City Attorney and approved by the City Council.
- (e) *High water users* may only exceed the *Level I water use allocation* if the City Council, in its sole discretion, specifically grants *Level II water use allocations* or *Level III water use allocations* in accordance with this Article, and if the City and the high water user enter into a *sustainable water service agreement*.

DIVISION 2. – REQUIREMENTS OF HIGH WATER USERS

Sec. 58-808. - Sustainable water service agreement for industrial and commercial high water users.

- a) **Condition for Site Plan or Building Permit Approval**
Prior to the approval of a site plan or issuance of a building permit for any project, the *applicant*, identified as a potential *high water user*, shall:
1. Submit to the City a *sustainable water service application*.
 2. Enter into a *sustainable water service agreement*, subject to City Council approval.
- b) **Sustainable Water Service Agreement Requirements**
Upon execution and City Council approval, if acceptable to the City Council in its sole discretion, the *sustainable water service agreement* (the "Agreement") shall be effective for a term of fifteen (15) years from the Agreement's effective date and shall contain the following provisions:

1. Conservation Plan: The *high water user* shall develop, implement, and adhere to a water conservation plan for the project, subject to the approval of the City's Water Resource Management ("WRM") Department.
2. Water Allocation:
 - i. *Level I Water Use Allocation*: as defined by this article.
 - ii. *Level II Water Use Allocation*: The Agreement shall quantify how much *level II water*, if any, the City Council will allocate to the *high water user* on an annual basis.
 - iii. *Level III Water Use Allocation*: The Agreement shall quantify how much *level III water*, if any, the *applicant* is required to acquire and convey to the City to satisfy the *applicant's* remaining water demands.
3. Offsite Infrastructure: The Agreement shall describe the offsite water infrastructure improvements, if any, the *high water user* shall be required to construct and dedicate to the City and the required timing of completing said improvements.
4. Penalties: Penalties shall be applied for exceeding the *total water allocation*, as identified in § 58-810 below and as defined in the Surprise Municipal Code.

c) **Denial of Water Service**

If the *applicant* fails to execute the Agreement before the approval of a site plan or issuance of a building permit, the City shall deny the project access to a water meter and water service connection.

Sec. 58-809. - City review of sustainable water service applications.

(a) Subject to subsections 58-809(b) and (c), the City Manager shall review and make a recommendation on a *sustainable water service application* to the City Council as provided in this Article.

(b) *Level II and Level III water use allocations* determination.

(1) The City Council shall determine, in its sole and absolute discretion, whether, based on the most recent *Integrated Water Master Plan*, a particular *applicant* that has been identified as a *high water user* may be eligible for *Level II water*, and if so, how much *Level II water* the City may apply to the development.

(2) If the City Council determines it will not make *Level II water* available for any particular *high water user*, the *high water user* must purchase and convey to the City *Level III water* in order to continue with the application for *development entitlements* for its planned development.

(c) Prior to authorizing the installation of any water meters for a *high water user* desiring to exceed the *Level I water use allocation*, the City and the *high water user* shall enter into a *sustainable water service agreement* in a form acceptable to the City Attorney and approved, if acceptable, by the City Council.

(d) Existing *water customers* as of the date of this Ordinance who increase their water usage above the *Level I water allocation* shall submit a *sustainable water service application* to the City prior to increasing their usage. Failure to comply with this provision shall result in the City restricting flows to the *water customer's* volume of historical usage. If, upon reviewing the *sustainable water service application*, the City determines the *water customer* qualifies as a *high water user*, the *water customer* will be required to submit to the City and enter into a *sustainable water service agreement*, subject to City Council approval.

Sec. 58-810. - Penalties for exceeding the sustainable water service agreement allocation.

- (a) The City's WRM Department shall calculate each *high water user's* calendar year (or applicable portion thereof) water usage to determine average annual gpd water consumption for the purpose of determining compliance with this Article.
- (b) Penalties shall be determined by April 30th each year for the prior calendar year. Penalties shall only be applied to the volume of water in exceedance of the sum of the *high water user's Level II and Level III water use allocation*, as described in the *sustainable water service agreement*. With the exception of *water customers* exempted in section 58-807, any industrial or commercial *water customer*, unless approved by City Council, whose average annual water usage exceeds 100,000 gpd shall be subject to the following penalties:

(1) *First exceedance*. One hundred fifty percent (150%) of the charges for water used, or estimated to have been used, in violation of this Article, if the violation is the *high water user's* first violation of this Article and the violation continued for less than one year.

(2) *Second exceedance*. Two hundred fifty percent (250%) of the charges for water used, or estimated to have been used, in violation of this Article, if the violation is the *high water user's* second violation of this Article or if the violation continued for more than one year but less than two years.

(3) *Third exceedance*. Five hundred percent (500%) of the charges for water used, or estimated to have been used, in violation of this Article, if the violation is the *high water user's* third violation of this Article or if the violation continued for more than two years but less than three years.

(4) After the third exceedance, the City may purchase water credits at market rate for the amount of water overused by the *high water user*. The City will provide an invoice for the total purchase price, and the *high water user* shall remit to the City payment in full within sixty (60) days of receipt of the invoice.

(5) The City reserves the right to discontinue service for failure to pay exceedance penalties or failure to pay an invoice for water credits.

WELCOME

Chapter 58 – Utilities ordinance update



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Article VIII – High Water User Regulations

DIVISION 1 - GENERALLY

- Purpose: establish requirements for high-volume water customers
- Applicability:
 - new industrial and commercial customers and
 - Existing industrial and commercial customers that seek to increase their water use > 100,000 gallons per day (gpd)
- Key definitions
 - High Water User
 - Level 1 water use allocation
 - Level 2 water use allocation
 - Level 3 water use allocation



Article VIII – High Water User Regulations

DIVISION 1 - GENERALLY

- Purpose: establish requirements for high-volume water customers
- Applicability:
 - new industrial and commercial customers and

- Existing industrial and commercial customers that seek to increase their water use > 100,000 gallons per day (gpd)

• Key definitions

- High Water User
- Level 1 water user
- Level 2 water user
- Level 3 water user

Water Customer	Average annual water usage (gpd)
IRIS USA INC	29,258
COS - South Plant	14,748
COS - Surprise aquatic center	5,230
Seattle Tacoma Box Company	7,573
Trimaco	7,408



Article VIII – High Water User Regulations

DIVISION 2 – REQUIREMENTS OF HIGH WATER USERS

- High Water User shall:
 - Submit a Sustainable Water Service Application to the city
 - Enter into a Sustainable Water Service Agreement with the city
- City shall:
 - Water Resource Management (WRM) Department reviews Sustainable Water Service Applications
 - City Manager recommends an allocation to city council
 - City Council determines allocation
 - City Council takes action on Sustainable Water Service Agreement
 - WRM Department calculates annual water usage & assesses penalties accordingly



Sustainable Water Service Agreement

- 15 year term
- Requirements:
 1. Water Conservation Plan
 2. Water Allocation
 1. Level 1 – 100,000 gallons per day
 2. Level 2 – council discretion, up to 100,000 gallons per day
 3. Level 3 – high water user must acquire the difference between the Level 1 & 2 allocations and the high water user's total demand
 3. Offsite infrastructure
 4. Penalties



Example: Microbrewery – 75,000 gpd demand

- Sustainable Water Service Application required
- Water customer does not qualify as a high water user
- Sustainable Water Service Agreement NOT required
- Water customer is entitled to use up to 100,000 gpd on average



Example: Bottling plant – 150,000 gpd demand

- Sustainable Water Service Application required
- Sustainable Water Service Agreement required
 1. Water Conservation Plan
 2. Water Allocation
 1. Level 1 – 100,000 gpd
 2. Level 2 – council allocates an additional 50,000 gpd
 3. Level 3 – high water user must acquire 0 gpd of water resources
 3. Offsite infrastructure
 4. Penalties – based on total water allocation of 150,000 gpd



Example: Data Center – 350,000 gpd demand

- Sustainable Water Service Application required
- Sustainable Water Service Agreement required
 1. Water Conservation Plan
 2. Water Allocation
 1. Level 1 – 100,000 gpd
 2. Level 2 – council allocates an additional 100,000 gpd
 3. Level 3 – high water user must acquire 50,000 gpd or 840 acre-feet of water credits
 3. Offsite infrastructure
 4. Penalties – based on total water allocation of 250,000 gpd



Penalties

- Calculated by WRM Department annually by April 30
- Financial penalty for exceeding the council-approved total water allocation
- 1st exceedance = 150% of charges for water used
- 2nd exceedance = 250% of charges for water used
- 3rd exceedance = 500% of charges for water used
- After 3rd exceedance, city may purchase water credits and demand reimbursement by high water user







Penalties - Example

- Example: High Water User A has a total water allocation of 350,000 gpd. In 2025, they used an average of 400,000 gpd. They exceeded their total water allocation by 50,000 gpd. The city's water rate for usage > 30,000 gallons per month is \$6.52/kgal.
- $50,000 \text{ gpd} \times 365 \text{ days/yr} / 1,000 \text{ gallons} = 18,250 \text{ kgal}$
- $18,250 \text{ kgal} \times \$6.52 = \$118,990$



Strategic Priorities Alignment

-  Strategy 7.1: Continue to support a resilient water supply to ensure current and future needs are met
-  Strategy 7.2: Promote water conservation
-  Strategy 7.3: Ensure the city is positioned to maintain a safe and sustainable water supply
-  Strategy 7.4: Plan responsibly to meet the needs of continued growth



Questions or Comments?

THANK YOU



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CITY OF SURPRISE
Regular City Council Work Session

Council Meeting Date: January 6, 2026

Contact Person: Eric Boyles, Director -
Transportation

Submitting Department: Transportation

District: Citywide

Staff Recommendations:

Consent: No

Regular: Yes

Public Hearing: No

Report/Discussion: Yes

Agenda Wording:

Flashing Yellow Arrow Safety Campaign

Motion:

None, Information only

Background:

In an effort to promote awareness for motorists to yield to oncoming traffic when the flashing yellow arrow is active, the City has created a PSA to help educate and inform drivers and increase safety throughout the city. This is in conjunction with two recent studies that the City has conducted for left-turns and the intersection of Bell Rd & Litchfield Rd.

Objective Analysis:

The city will be deploying informational signs at various intersections within the city, Bell Rd dynamic message boards will have supporting messaging to reinforce the signs, and the city will be releasing a PSA video.

Policy Compliant:

This is compliant with all City Council and Citywide policies

Financial Impact:

None

Budget Impact:

None

FTE Impact:

None

ATTACHMENTS:

1. FYA Safety Campaign



Flashing Yellow Arrow PSA Campaign

City Council Work Session

January 6, 2025



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Background

- Drive Wise Surprise Campaign – 2017
- Implementation of Flashing Yellow Arrows – 2018 to Present
- Left-Turn Phasing Study – 2024
- Bell Road Update – 3/4/25
- Bell & Litchfield Safety Study – 4/1/2025
- Flashing Yellow Arrow PSA Campaign – 2026



Flashing Yellow Arrows

Purpose: Allow for intersections to maintain managing traffic efficiently while providing improvements in safety as compared to the circular green light

This type of signal was approved by the Federal Highway Administration (FHWA) after research conducted by the National Cooperative Highway Research Program (NCHRP) demonstrated that the flashing yellow arrow heightens driver awareness when making left turns in front of oncoming traffic. This type of signal was also adopted into the Manual for Uniform Traffic Control Devices (MUTCD)

Benefits of the Flashing Yellow Arrow

- **Increases Safety:** Provides for an all-red period for clearance of cars in all directions at the intersection
- **Reduces Confusion:** Eliminates motorist confusion as to the meaning of the circular green light, which can be mistaken for a protected left turn.
- **Increases Opportunities to Turn Left:** Provides more opportunities for drivers to turn left safely.
- **Versatile Application:** This can be used in all intersection and signal configurations.
- **Adaptive Control:** Enables the left-turn control to be varied during different times of the day.

Implemented in the Phoenix Area 2013

City of Glendale – 2013

City of Peoria – 2016

City of Phoenix – 2016

City of Chandler – 2016

City of El Mirage – 2021



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Recent Studies

Left-Turn Phasing Study – 2024

- To improve safety and maintain efficiency, the city evaluated multiple intersections within the city
- Recommendation – Implementation of a pilot program to convert to fully protected movements during peak hours at intersections along Waddell Rd (Implemented early 2025).

Bell Rd & Litchfield Rd Safety Study – 2025 (Draft)

- Evaluated the intersection to make recommendations for improved safety and efficiency
- Recommendation – Implementation of fully protected left turns during peak times, and conversion to dual lefts by 2030 pending funding availability and/or HSIP Grant Award
- Implementation of fully protected movements in conjunction with the PSA campaign



Bell Rd & Litchfield Rd

Evaluation:

- Crash Analysis
- Operational Analysis
- Design Standards Assessment
- HSIP Technical Analysis

Table 1 – Study Area Crashes by Severity

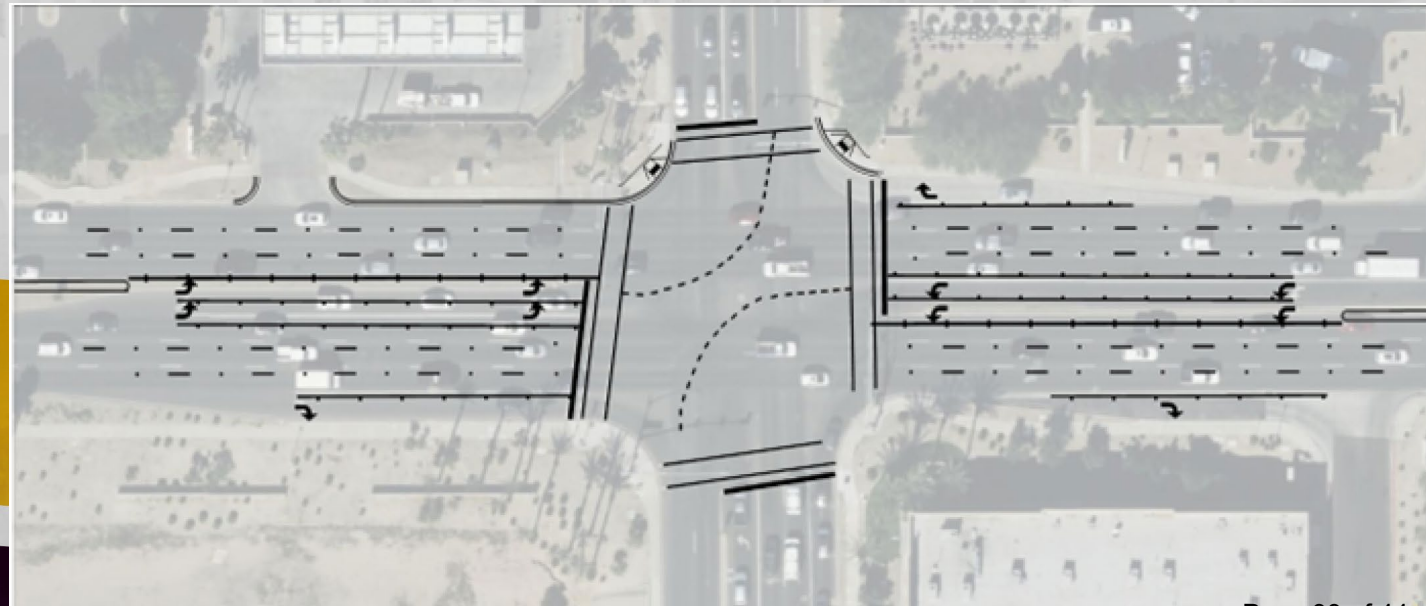
Crash Severity	2020	2021	2022	2023	2024	Total	% of Total	% Urban Areas Statewide
Property Damage Only	35	44	34	33	37	183	77.9%	68.7%
Possible Injury	9	4	7	4	6	30	12.8%	30.6%
Non-incapacitating	3	2	6	2	4	17	7.2%	
Incapacitating	0	2	0	2	0	4	1.7%	0.7%
Fatal	0	0	0	0	1	1	0.4%	
Total	47	52	47	41	47	235	100.0%	100.0%

*Percentages in bold, italicized text exceed the statewide urban area value as reported in 2024 Arizona Motor Vehicle Crash Facts.

Current



Future



Flashing Yellow Arrow PSA Campaign

- Implementation of informational signage to increase driver awareness at various locations
 - Intersections were chosen based on the following criteria
 - Left-turn crash history
 - Intersection configuration & operation
 - Sight visibility and traffic volumes
- Dynamic Variable Message Board message campaign
 - Increases awareness along Bell Rd
- Public Safety Awareness video and social media

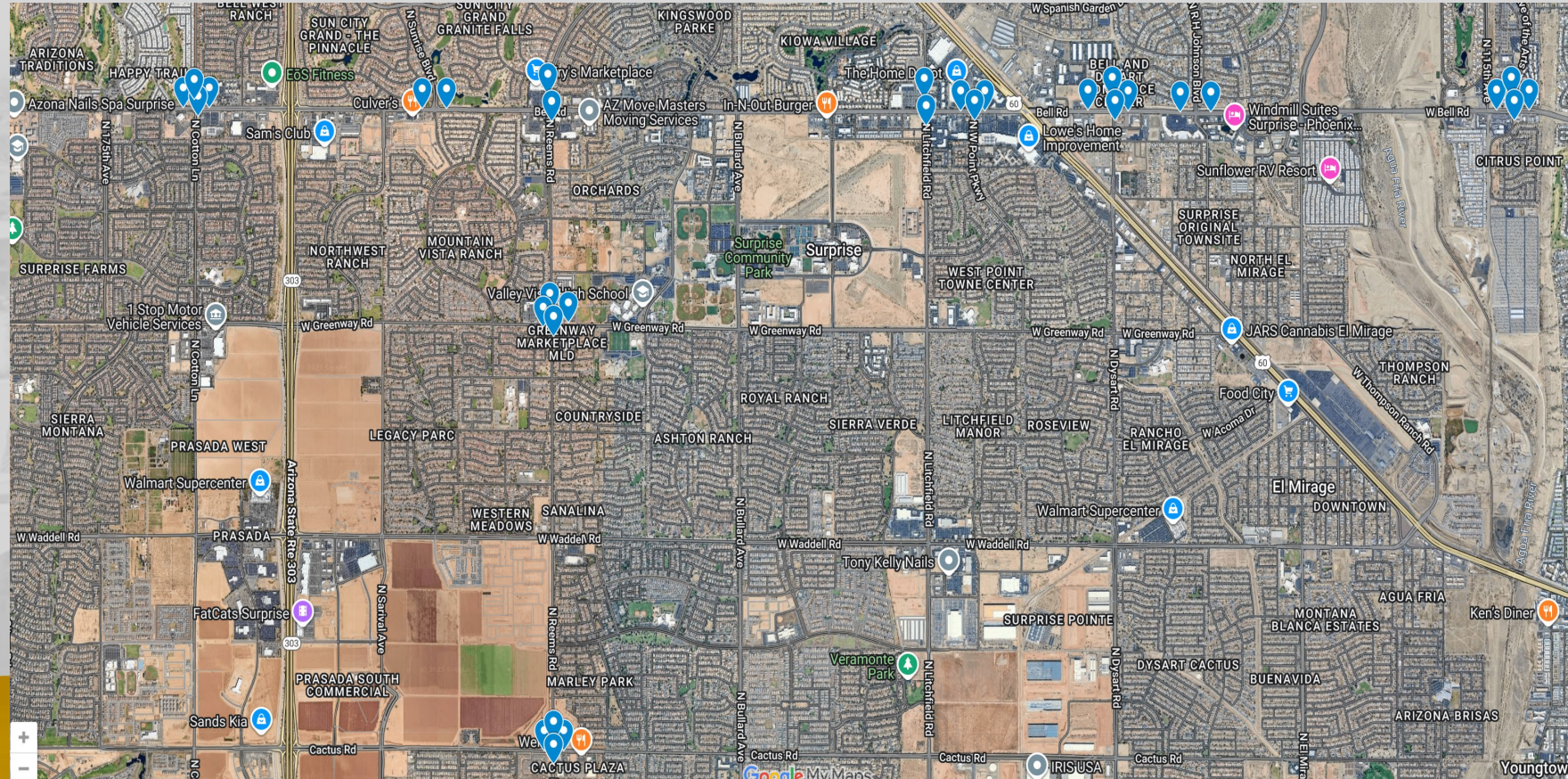


Flashing Yellow Arrow PSA Campaign

Sign Locations

Intersections:

1. Bell & Cotton
2. Bell & Sunrise
3. Bell & Reems
4. Bell & Litchfield
5. Bell & West Point
6. Bell & Dysart
7. Bell & RH Johnson
8. Bell & Ave of the Arts
9. Greenway & Reems
10. Cactus & Reems



All Intersections were identified on the top 20 intersections for left-turn crash frequency



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Flashing Yellow Arrow PSA Campaign

Placeholder for PSA Video



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Sign Education

Colors & Shapes Matter!

- Regulatory Signs
 - Black, White & Red
 - Rectangles, Octagons, Triangles
- Warning Signs
 - Yellow, Green & Black
 - Diamonds, Rectangles, Circles, etc.
- Temporary Traffic Control
 - Orange, White & Black
 - Diamonds and Rectangles
- Guide & Other Signs
 - Green, Blue, Brown & White
 - Squares & Rectangles

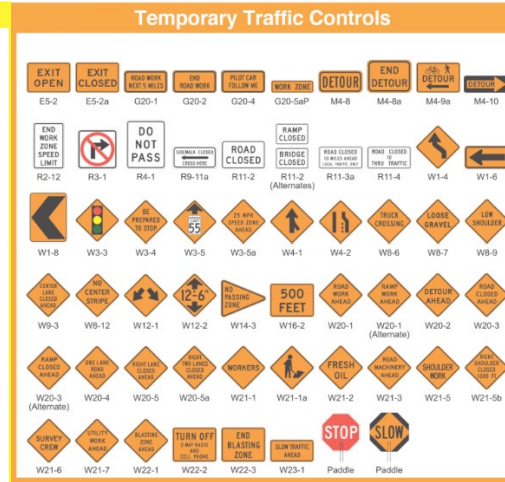
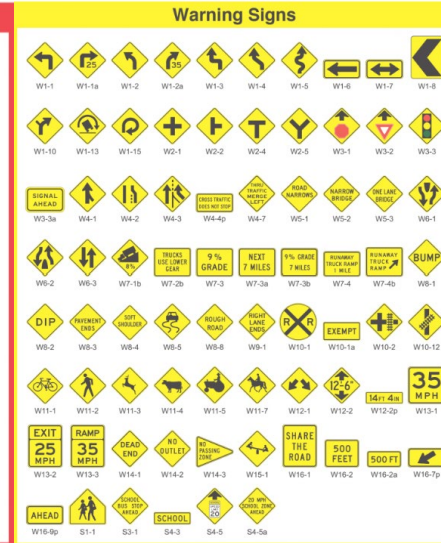


Table 2A-1. Use of Sign Shapes

Shape	Signs
Octagon*	Stop (R1-1)**
Equilateral Triangle (downward-pointing)*	Yield (R1-2)**
Circle*	Grade Crossing Advance Warning (W10-1)**
Pennant (Isosceles Triangle with longer axis horizontal, pointed right)*	No Passing Zone (W14-3)**
Pentagon (upward-pointing)*	School (S1-1) (squared bottom corners)** County Route (M1-6) (tapered lower sides)**
Crossbuck (two rectangles in a perpendicular "X" configuration)*	Grade Crossing (R15-1)**
Diamond	Warning Series
Rectangle (including square)	Regulatory Series Guide Series*** Warning Series
Trapezoid*	Recreational and Cultural Interest Area Guide Series (isosceles or right-angled) National Forest Route Sign (M1-1) (isosceles)**



Questions or Comments?

THANK YOU



SURPRISE

ARIZONA