

Public Engagement Summary

May 15, 2023

Protected Bike Lane Feasibility Study



Scope of Work



Task 1 – Project Mngt & Public Outreach



Task 2 – Protected Bike Lane Design Guidelines



Task 3 – Data Collection & Analysis



Task 4 – Protected Bike Lane Feasibility Study



Task 5 – Executive Summary And Regional Significance Report



Project Schedule – 9 Months

2023
9 Months

Winter

Spring

Summer

Protected Bike Lane
Design Guidelines

Protected Bike Lane Feasibility
Analysis

Data Collection & Analysis

Project Webpage & Use of City Communications Outlets



Transportation
Commission



In Person & Online
April 1st Family Bike Ride

Study Report &
Implementation



Stakeholder & Community Engagement



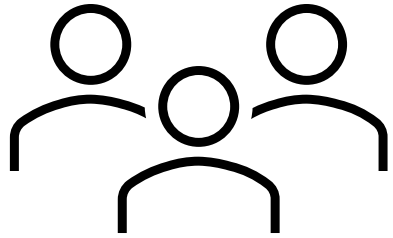
Engagement Opportunities

- Chandler Transportation Commission January 18, 2023
- Family Bike Ride Registration Feb. – March 2023
- Family Bike Ride In-Person Engagement April 1, 2023
- Survey Online April – May 1, 2023
- Chandler Transportation Commission May 17, 2023



Overall Engagement - *Participation*

380 people completed the Family Bike Ride registration and answered questions



Between 65-75 people participated in the activity boards at the Family Bike Ride

Between 550 – 650 people answered the questions in the on-line survey

People may have participated in more than one engagement activity



Engagement Highlights

- 46% of the People that registered for the Family Bike Ride do not feel safe bicycling in bike lanes on arterials
- Connectivity and Safety are important factors for prioritizing locations for protected bike lanes
- Online survey respondents do not have a strong preference on which part of Chandler protected bike lanes should be in
- Online survey respondents strongly support protected bike lanes on Arizona and Chandler Avenues (unprompted)
- In person and online survey respondents have strong preferences for concrete barriers, delineator posts and combination of elements for protected bike lanes



15th Annual Chandler Family Bike Ride

Home | Explore | Special Events | **15th Annual Chandler Family Bike Ride**

8:30 a.m. | Kick Off

Enjoy vendors and activities that will include equipment safety checks and bike rodeo.

8:30 a.m. | Guided 7.8 Mile Ride

Shortly at 8:30 a.m. the **guided 7.8 mile bike ride** will begin. The ride starts at the Chandler Park & Ride then travels the Paseo Canal to Tibshraeny Park and back. Upon return, participants can enjoy a free Kona Ice to celebrate.

Virtual Ride

If you're not able to attend the community event or would rather ride in the comfort of your own neighborhood or park, we are also offering a virtual bike event March 27 - April 2. Grab your family and friends and ride anytime during the weeklong event. For those who have pre-registered by March 15, 2023, t-shirts can be picked up at the Downtown Library during operational hours starting on Monday, March 27, 2023.

Registration

Participants are asked to register online for both the community and virtual events.

Registration Closed



Family Bike Ride Registration



April 1, 2023

8:30 a.m.

📍 Chandler Park & Ride
Hamilton Street & Germann Road
Chandler, AZ 85286

💰 FREE

Contact Us

📞 480-782-3440

Family Bike Ride Registration

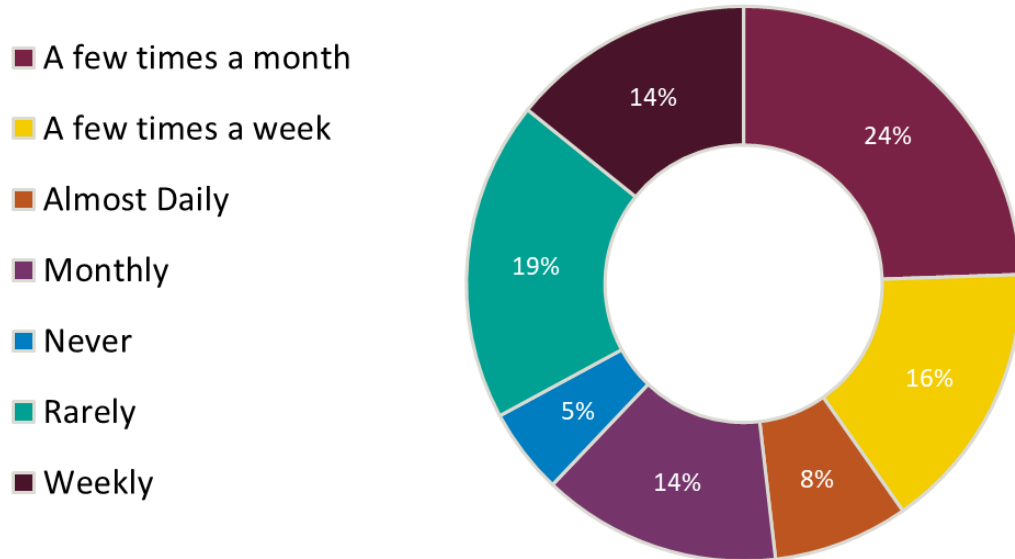
Goal: Understand people who are interested in biking, how often they bike, what type of biking they do, and their level of feeling safe and comfortable riding on different streets in Chandler

- Registration was open, online, from February – March 2023
- 380 people completed the Family Bike Ride registration and answered questions
- 8 questions – 6 were same questions about safety and comfort with different roadway types



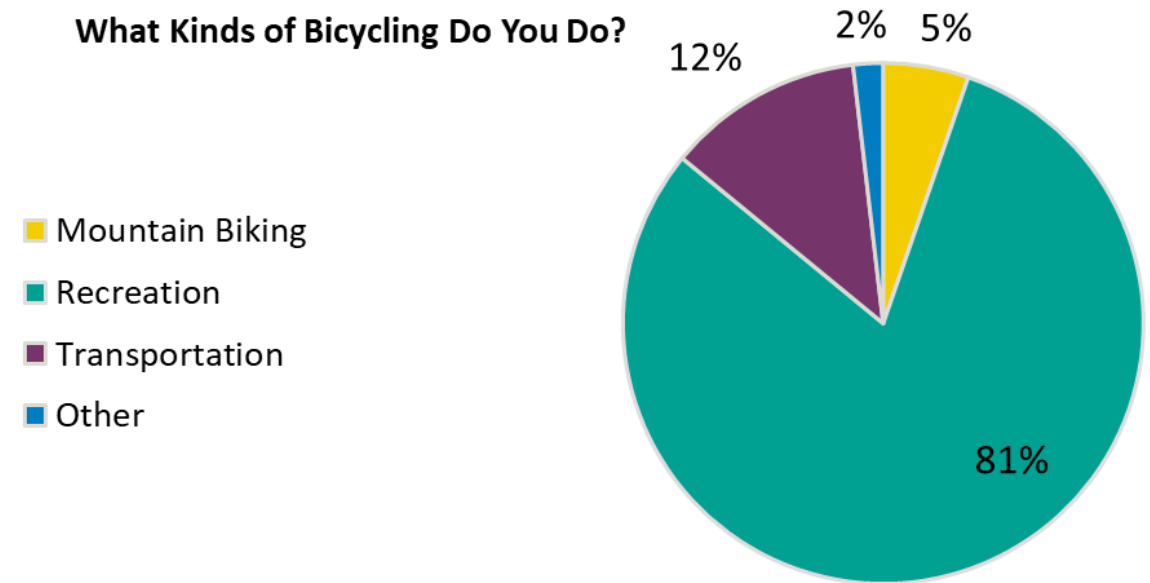
Family Bike Ride Registration

How often do you bicycle in the City of Chandler?



- 24% of respondents bike almost daily or a few times a week
- 38% bike a few times a month or monthly

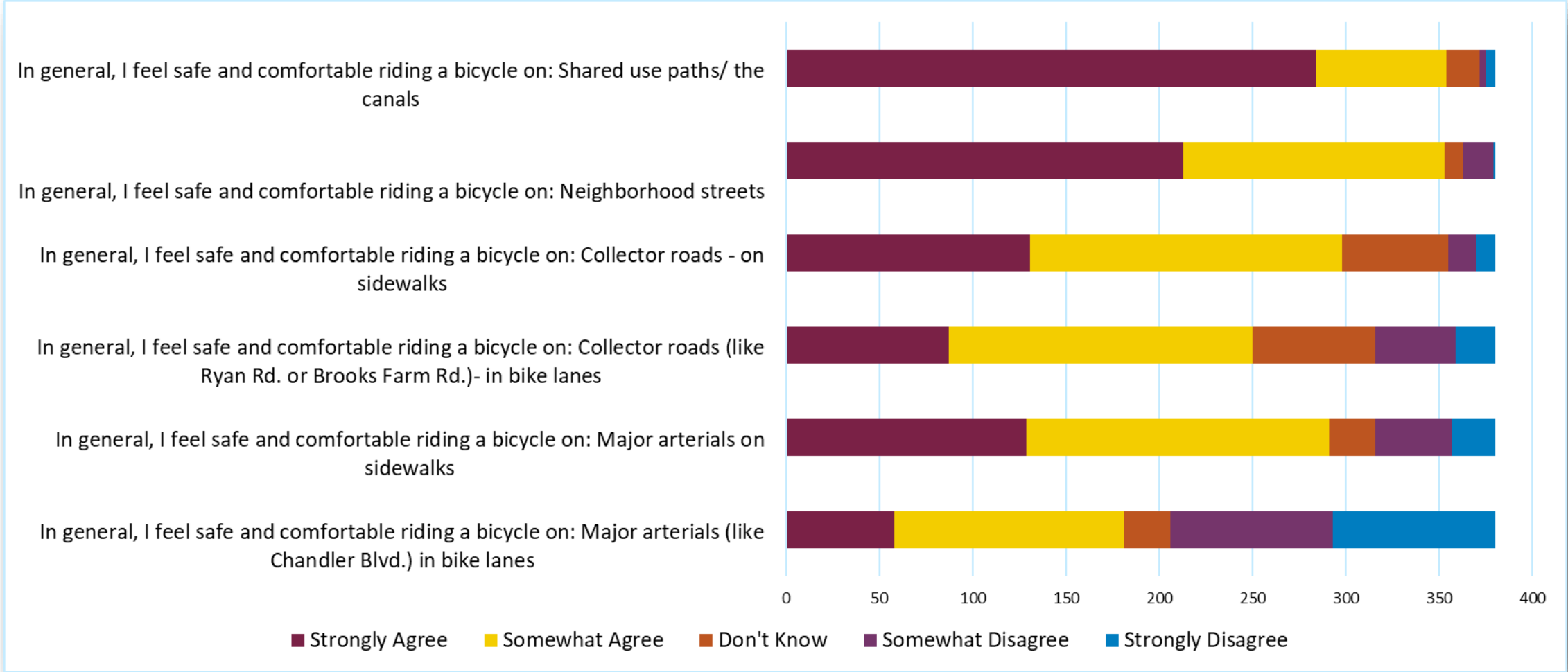
What Kinds of Bicycling Do You Do?



- Majority of respondents indicated that they bike for recreation



Agreement On Feeling Safe And Comfortable Biking On Different Types Of Roads



Agreement On Feeling Safe And Comfortable Biking On Different Types Of Roads

- Shared use paths/ the canals: 93% Strongly or Somewhat Agreed and 2% Strongly or Somewhat Disagreed
- Neighborhood Streets: 93% Strongly or Somewhat Agreed and 4% Strongly or Somewhat Disagreed
- Collector Roads on Sidewalks: 78% Strongly or Somewhat Agreed and 7% Strongly or Somewhat Disagreed
- Collector Roads in Bike Lanes: 66% Strongly or Somewhat Agreed and 17% Strongly or Somewhat Disagreed
- Arterial Roads on Sidewalks : 77% Strongly or Somewhat Agreed and 17% Strongly or Somewhat Disagreed
- Arterial Roads on Sidewalks : 48% Strongly or Somewhat Agreed and 46% Strongly or Somewhat Disagreed



Family Bike Ride Registration Results

Please see Appendix A for detailed responses



Family Bike Ride In-Person Engagement



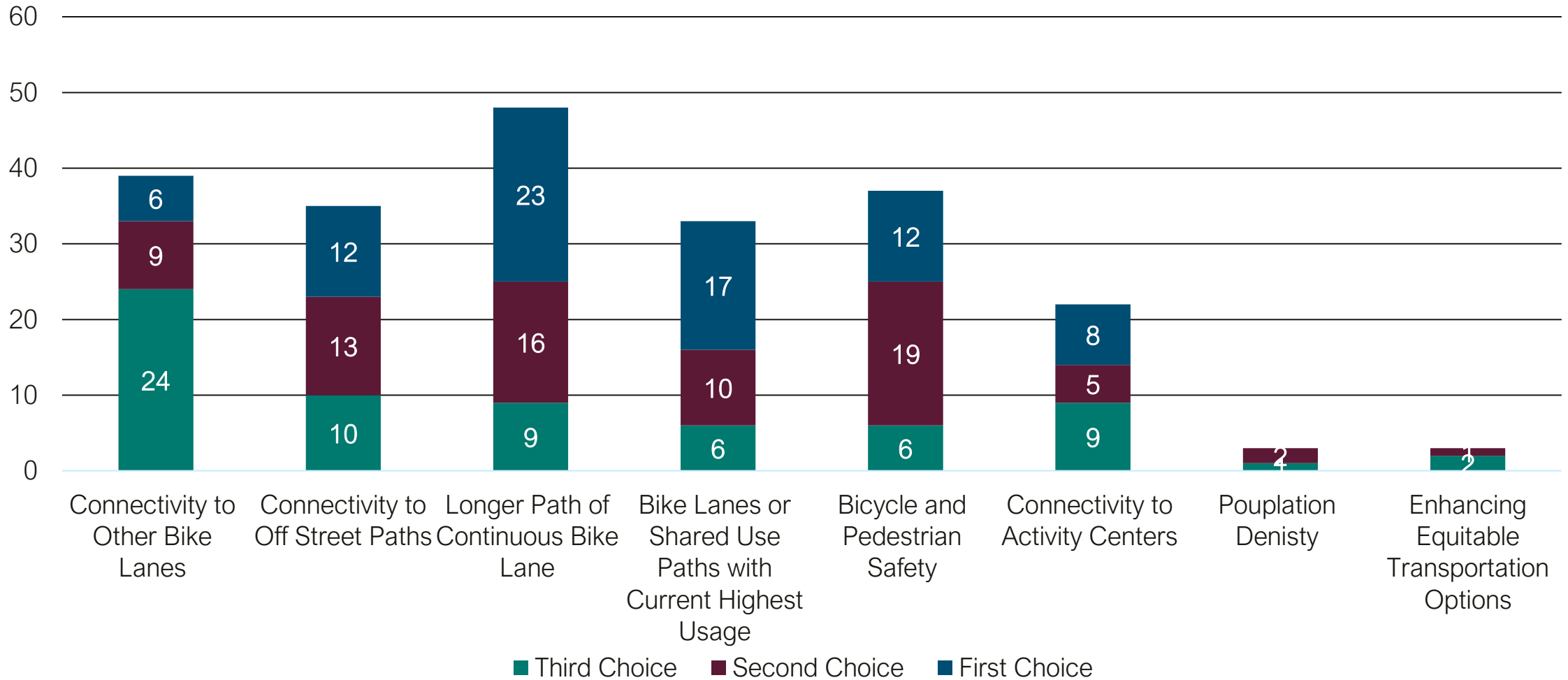
Family Bike Ride In-Person Engagement

Goal: Meet bicyclists where they are at, demonstrate different Protected Bike Lane vertical elements, inform people about the study, and ask for their input on types of vertical elements and factors to prioritize locations.

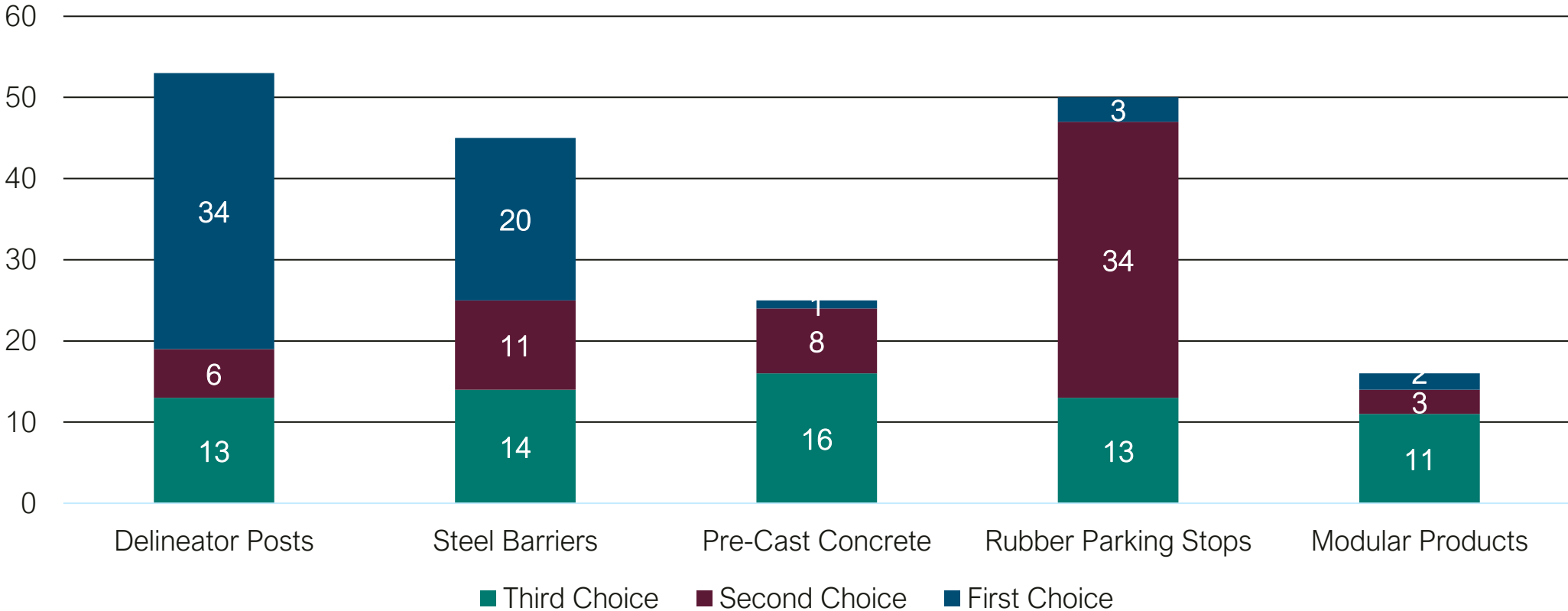
- April 1, 2023: 6:30 to 8:30 a.m.
- Two Engagement Activities: Participants (65 – 76) used stickers marked with 1, 2, and 3 to indicate preference



Top 3 Factors You Would Consider for PBL Location Prioritization – 78 participants



Top 3 Preferences of the Proposed Types of Vertical Barriers – 67 Participants



Family Bike Ride In-Person Engagement Results

Please see Appendix B for detailed responses



Online Survey



Chandler needs your input on protected bike lanes

[Home](#) | [News Center](#)

March 27, 2023



CHANDLER, Ariz – The City of Chandler recently **released a survey on its website** to obtain feedback on potential protected bike lanes within Chandler.

The survey asks for feedback regarding the individual's current bicycle usage as well as potential usage if protected bike lanes are built; the respondents desired locations for protected bike lanes, and opinions on the design options that might be considered.

Anyone who plans to participate in the Chandler Family Bike Ride on April 1 will be able to experience some of the design options that are being considered. Physical barriers will be placed onsite at the Chandler Park and Ride prior to the bike ride for participants to experience what a protected bike lane experience looks like.

The City's Transportation Master Plan identified four corridors for protected bike lanes, however the feedback received encourages increasing the number of protected bike lanes in other parts of the City as well.

The survey will be available through April 30. It is part of a nine-month study in partnership with Maricopa Association of Governments, to evaluate the feasibility of upgrading existing bike lanes to protected bike lanes.

The feedback received from the online survey will be one factor used to determine the best location for new protected lanes to be installed.

Online Survey

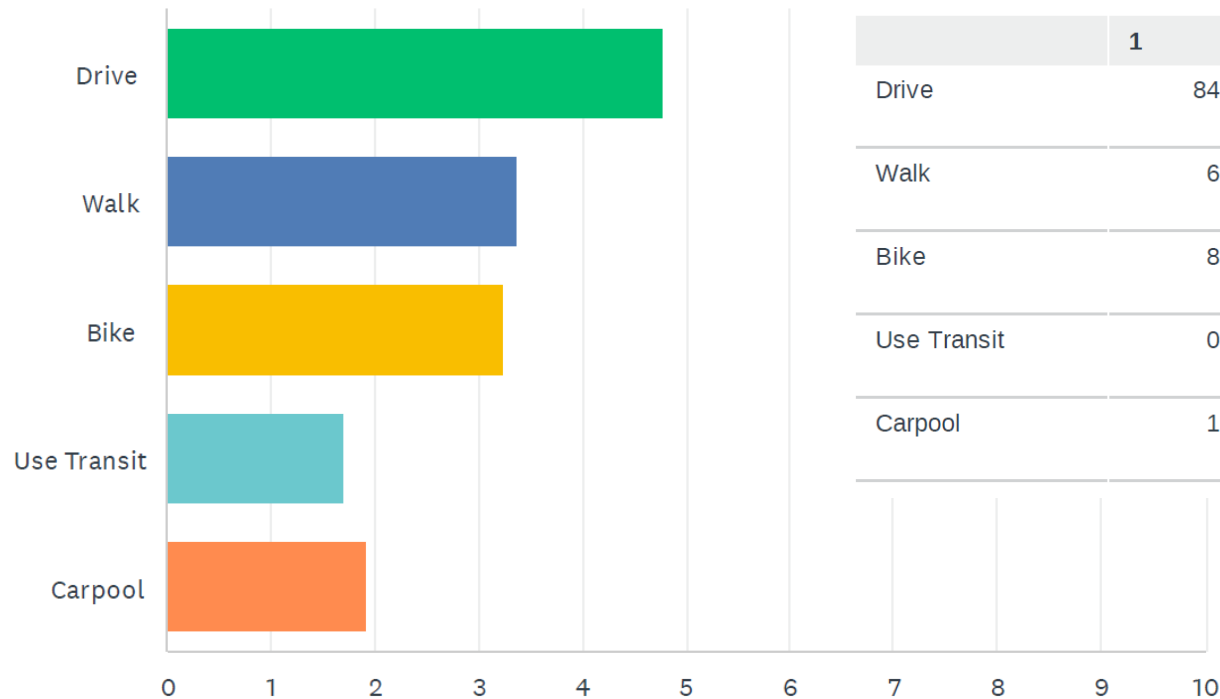
Goal: Understand people who are interested in biking, how often they bike, what type of biking they do, and their level of feeling safe and comfortable riding on different streets in Chandler

- Platform: Survey Monkey
- Online Survey was open, online, from March 27 – May 1, 2023
- Between 550 – 650 people answered the questions
- Seven (7) Questions focused on the protected bike lane study
 - Two were open-ended
- Three (3) Demographic Questions



Q1: In a typical week, how do you primarily get around on Chandler Streets? (Please rank you primary and secondary mode of travel) – 649 participants answered

Answered: 649 Skipped: 0



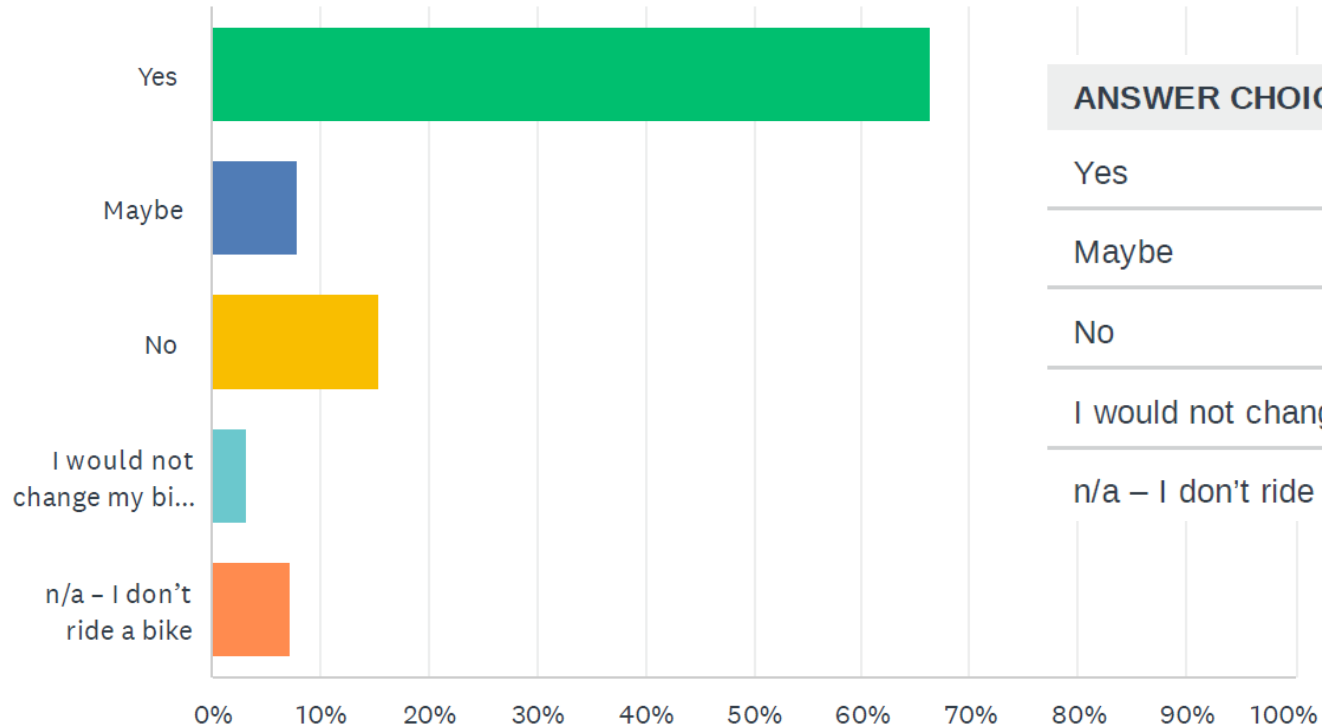
	1	2	3	4	5	TOTAL	SCORE
Drive	84.13% 546	11.09% 72	2.93% 19	1.08% 7	0.77% 5	649	4.77
Walk	6.32% 41	37.13% 241	45.15% 293	9.55% 62	1.85% 12	649	3.37
Bike	8.01% 52	35.90% 233	36.36% 236	12.33% 80	7.40% 48	649	3.25
Use Transit	0.46% 3	1.08% 7	5.86% 38	53.16% 345	39.45% 256	649	1.70
Carpool	1.08% 7	14.79% 96	9.71% 63	23.88% 155	50.54% 328	649	1.92

The majority of survey respondents primary mode of travel is driving (84%).



Q2: If there were protected bike lanes in Chandler, I would be more likely to ride my bicycle – *649 participants answered*

Answered: 649 Skipped: 0

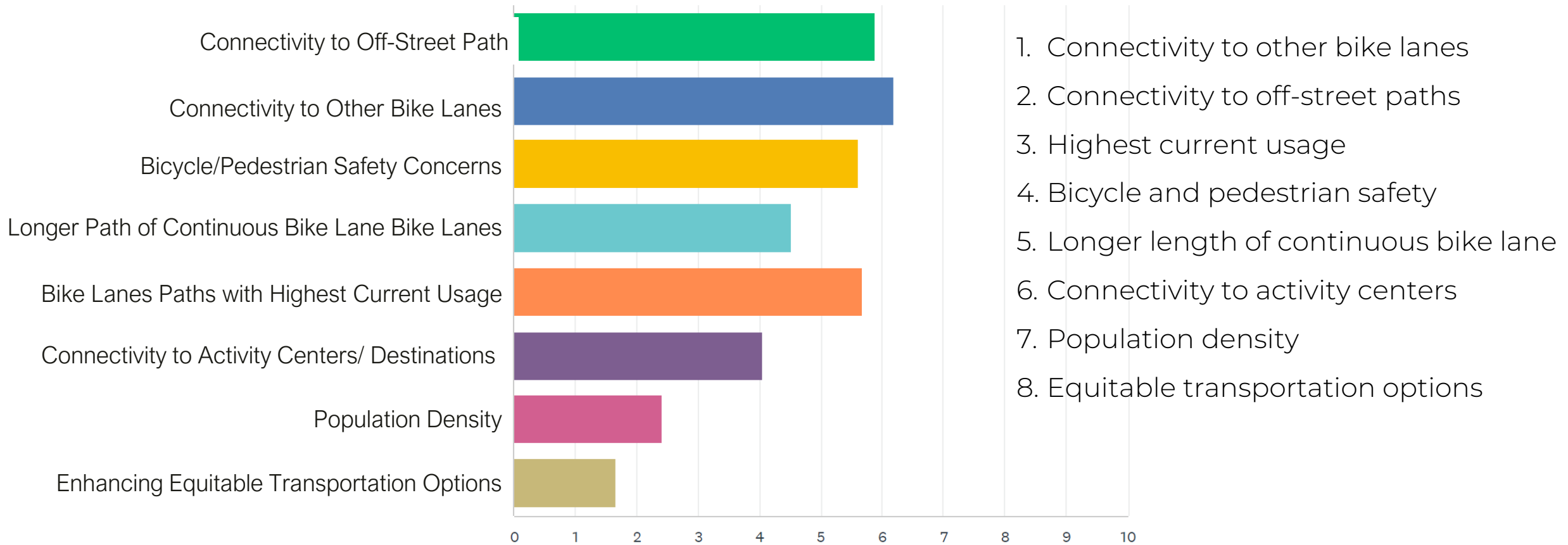


ANSWER CHOICES	RESPONSES
Yes	66.41% 431
Maybe	7.86% 51
No	15.25% 99
I would not change my bike route	3.24% 21
n/a – I don't ride a bike	7.24% 47



Q3: Please rank order the top 3 factors you would consider for location prioritization to install protection on existing bike lanes - *570 participants answered*

Answered: 570 Skipped: 79

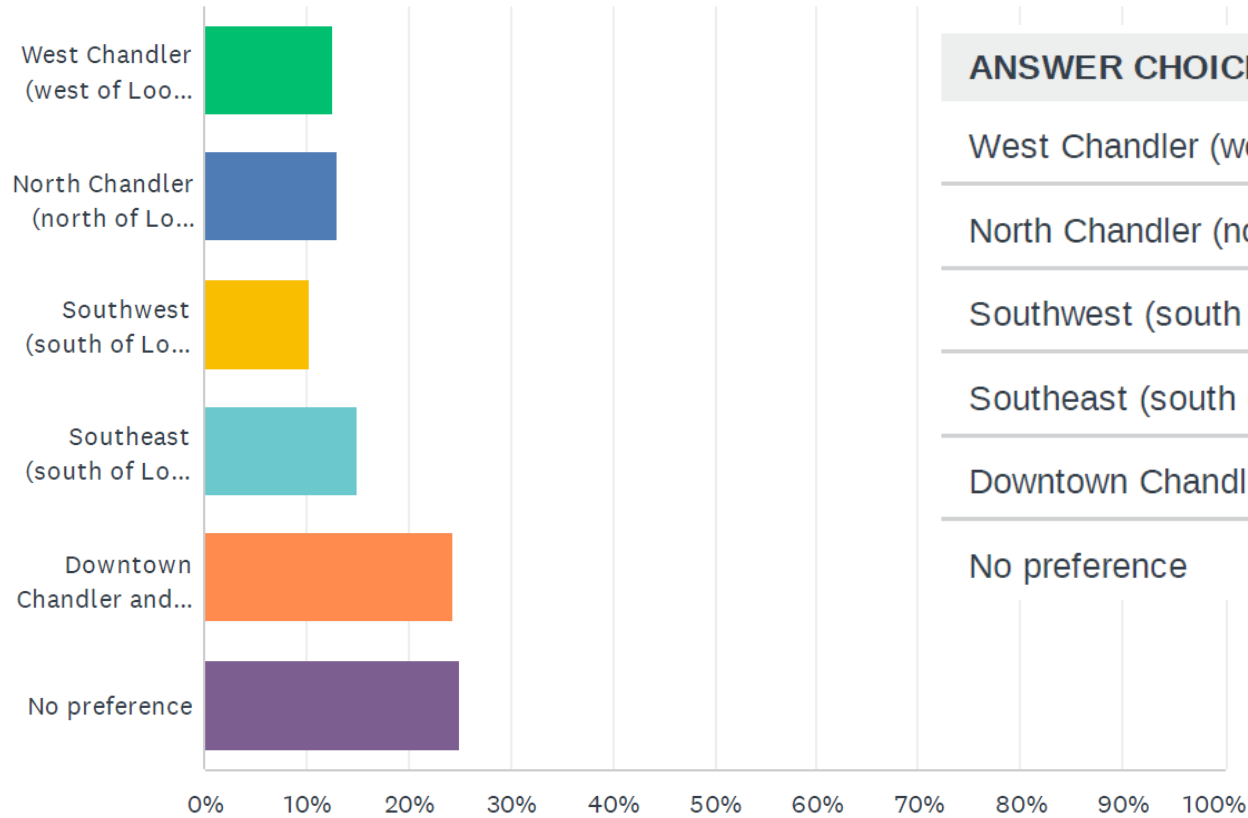


Q3: Please rank order the top 3 factors you would consider for location prioritization to install protection on existing bike lanes - 570 participants answered

	1	2	3	4	5	6	7	8	TOTAL	SCORE
Connectivity to the other bike lanes (protected or not)	17.19% 98	19.65% 112	21.93% 125	24.74% 141	11.23% 64	2.98% 17	1.75% 10	0.53% 3	570	5.88
Connectivity to off-street paths such as canal paths (i.e Ashley Trail, Paseo Trail, etc.)	26.32% 150	25.26% 144	16.49% 94	14.04% 80	11.40% 65	4.39% 25	1.40% 8	0.70% 4	570	6.19
Longer length of continuous protected bike lane	14.04% 80	18.77% 107	23.33% 133	17.37% 99	14.74% 84	7.89% 45	3.16% 18	0.70% 4	570	5.60
Bike lanes or shared use paths with highest current usage	3.33% 19	9.65% 55	11.40% 65	22.28% 127	27.37% 156	18.77% 107	5.26% 30	1.93% 11	570	4.52
Bicycle and pedestrian safety	31.93% 182	10.18% 58	10.00% 57	9.65% 55	21.75% 124	12.81% 73	3.33% 19	0.35% 2	570	5.67
Connectivity to activity centers/destinations: city parks, libraries, schools, commercial centers, etc.	4.04% 23	11.75% 67	9.12% 52	7.89% 45	9.12% 52	46.67% 266	8.07% 46	3.33% 19	570	4.05
Population density	1.58% 9	2.63% 15	4.21% 24	1.93% 11	2.81% 16	4.74% 27	67.72% 386	14.39% 82	570	2.41
Enhancing equitable transportation options	1.58% 9	2.11% 12	3.51% 20	2.11% 12	1.58% 9	1.75% 10	9.30% 53	78.07% 445	570	1.67

Q4: Considering Chandler is a diverse place to live, work, and play, is there a section of the city that should be prioritized for protected bike lanes - 570 participants answered

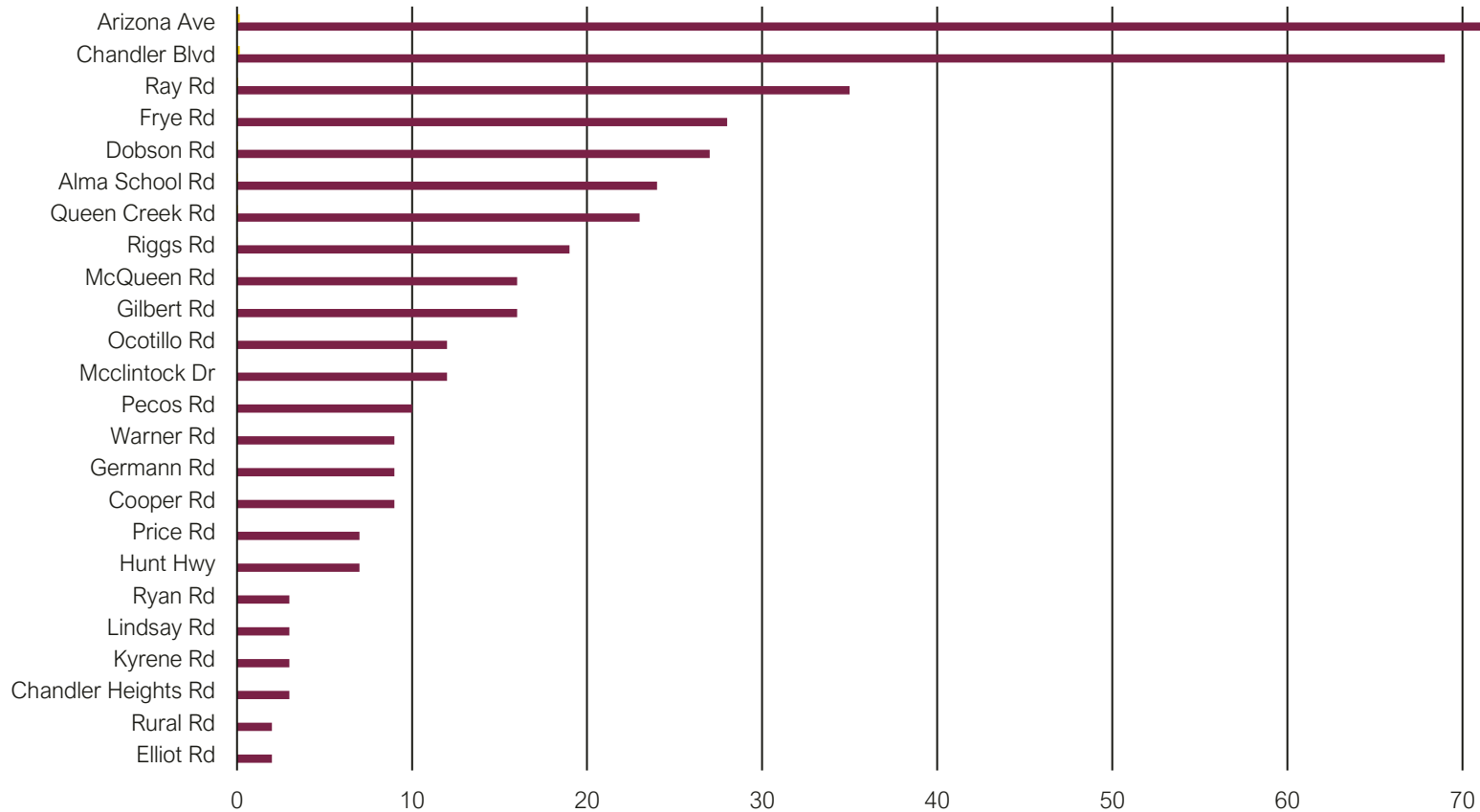
Answered: 570 Skipped: 79



ANSWER CHOICES	RESPONSES
West Chandler (west of Loop 101)	12.63% 72
North Chandler (north of Loop 202 and east of Loop 101)	12.98% 74
Southwest (south of Loop 202 and west of Arizona Ave.)	10.18% 58
Southeast (south of Loop 202 and east of Arizona Ave.)	14.91% 85
Downtown Chandler and Surroundings	24.39% 139
No preference	24.91% 142



Q5: (Open Ended) Is there a specific road that you suggest being prioritized to install protection to the bike lane – 571 participants responded (answers included no, none, n/a)

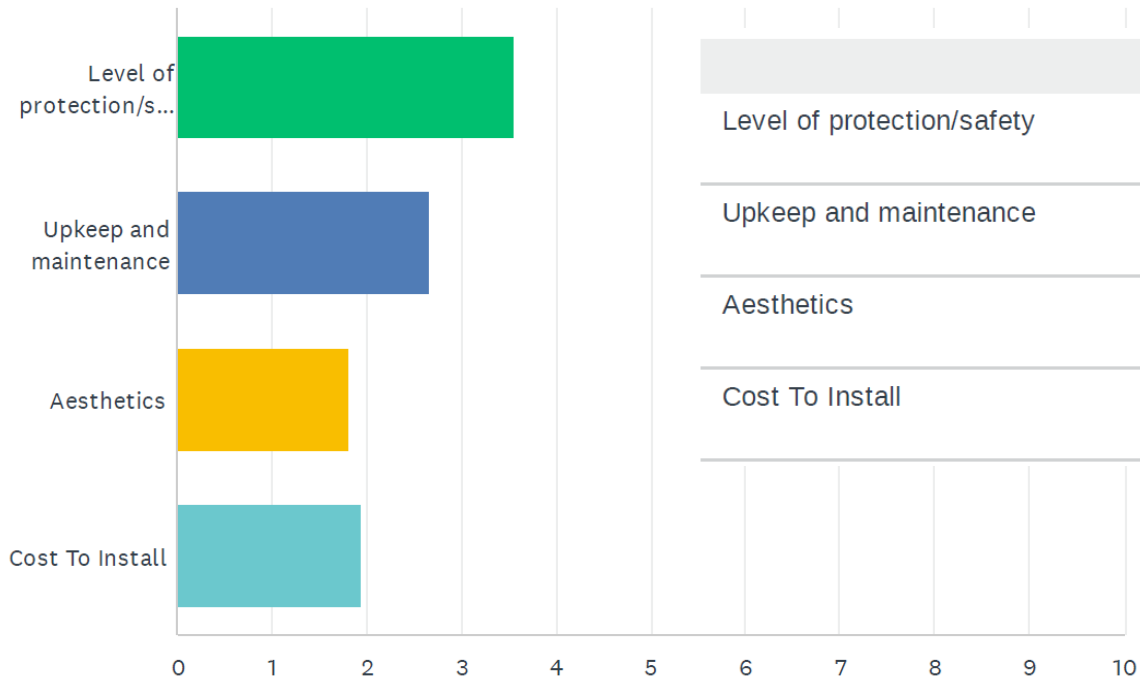


Road Name	Responses	Percentage
Arizona Ave	72	17.1%
Chandler Blvd	69	16.4%
Ray Rd	35	8.3%
Frye Rd	28	6.7%
Dobson Rd	27	6.4%
Alma School Rd	24	5.7%
Queen Creek Rd	23	5.5%
Riggs Rd	19	4.5%
McQueen Rd	16	3.8%
Gilbert Rd	16	3.8%
McClintock Dr	12	2.9%
Ocotillo Rd	12	2.9%
Pecos Rd	10	2.4%
Cooper Rd	9	2.1%
Germann Rd	9	2.1%
Warner Rd	9	2.1%
Hunt Hwy	7	1.7%
Price Rd	7	1.7%
Chandler Heights Rd	3	0.7%
Kyrene Rd	3	0.7%
Lindsay Rd	3	0.7%
Ryan Rd	3	0.7%
Elliot Rd	2	0.5%
Rural Rd	2	0.5%



Q6: Please rank order the following factors to consider for the type of vertical protection to be used in protected bike lanes - 549 participants responded

Answered: 549 Skipped: 100

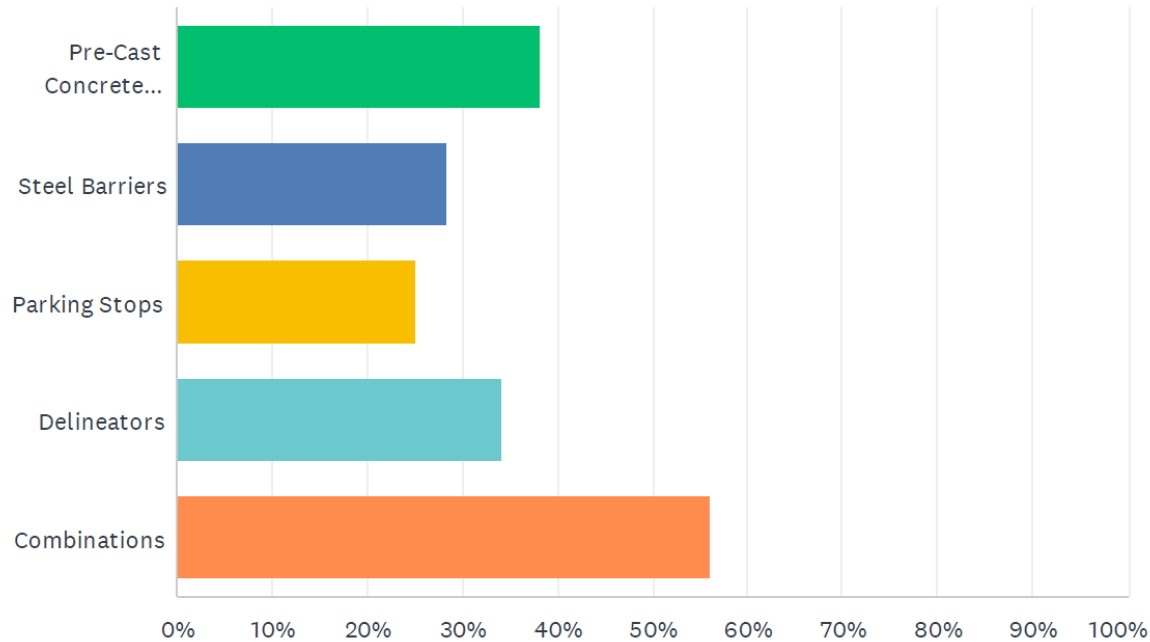







	1	2	3	4	TOTAL	SCORE
Level of protection/safety	76.68% 421	10.02% 55	7.29% 40	6.01% 33	549	3.57
Upkeep and maintenance	6.38% 35	59.93% 329	27.69% 152	6.01% 33	549	2.67
Aesthetics	3.46% 19	18.21% 100	35.15% 193	43.17% 237	549	1.82
Cost To Install	13.48% 74	11.84% 65	29.87% 164	44.81% 246	549	1.94



Q7: Please choose two of the five proposed types of vertical barriers that you would most prefer - 549 participants responded

Answered: 549 Skipped: 100



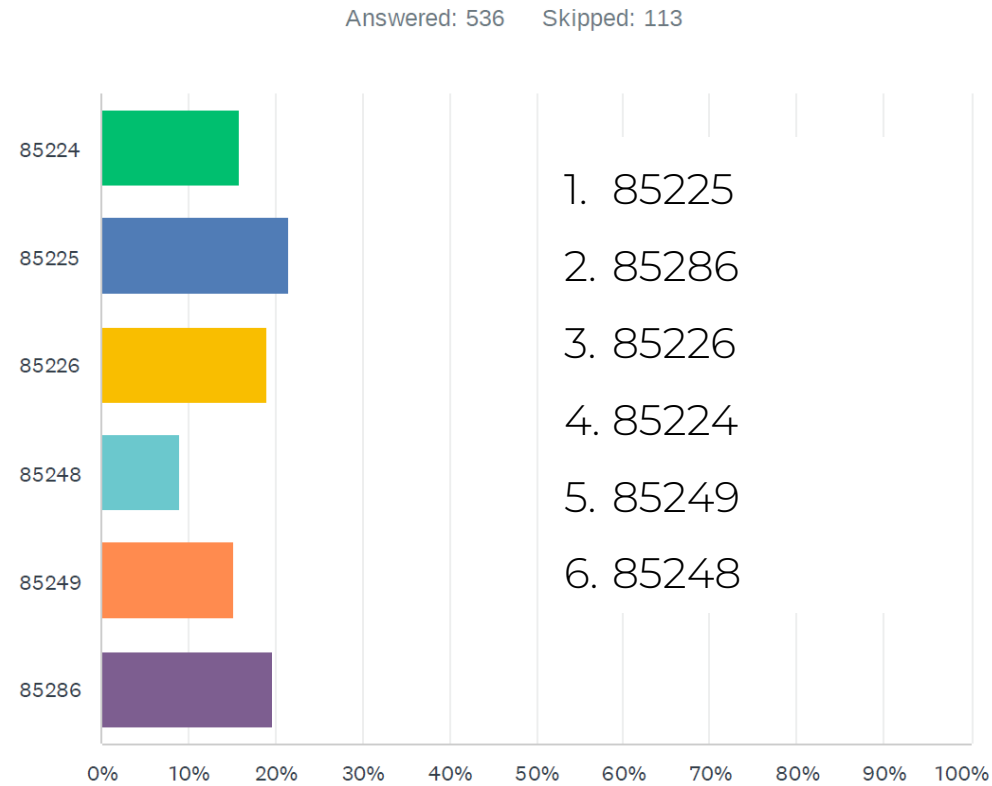
ANSWER CHOICES	RESPONSES
 Pre-Cast Concrete Curb/Barriers	38.07%
 Steel Barriers	28.42%
 Parking Stops	25.14%
 Delineators	34.06%
 Combinations	56.10%

Combination treatments vastly outrank any one individual vertical element.

Pre-cast concrete and delineators are the top two individual treatment choices



Q8: What is your Zip Code? - 536 participants responded



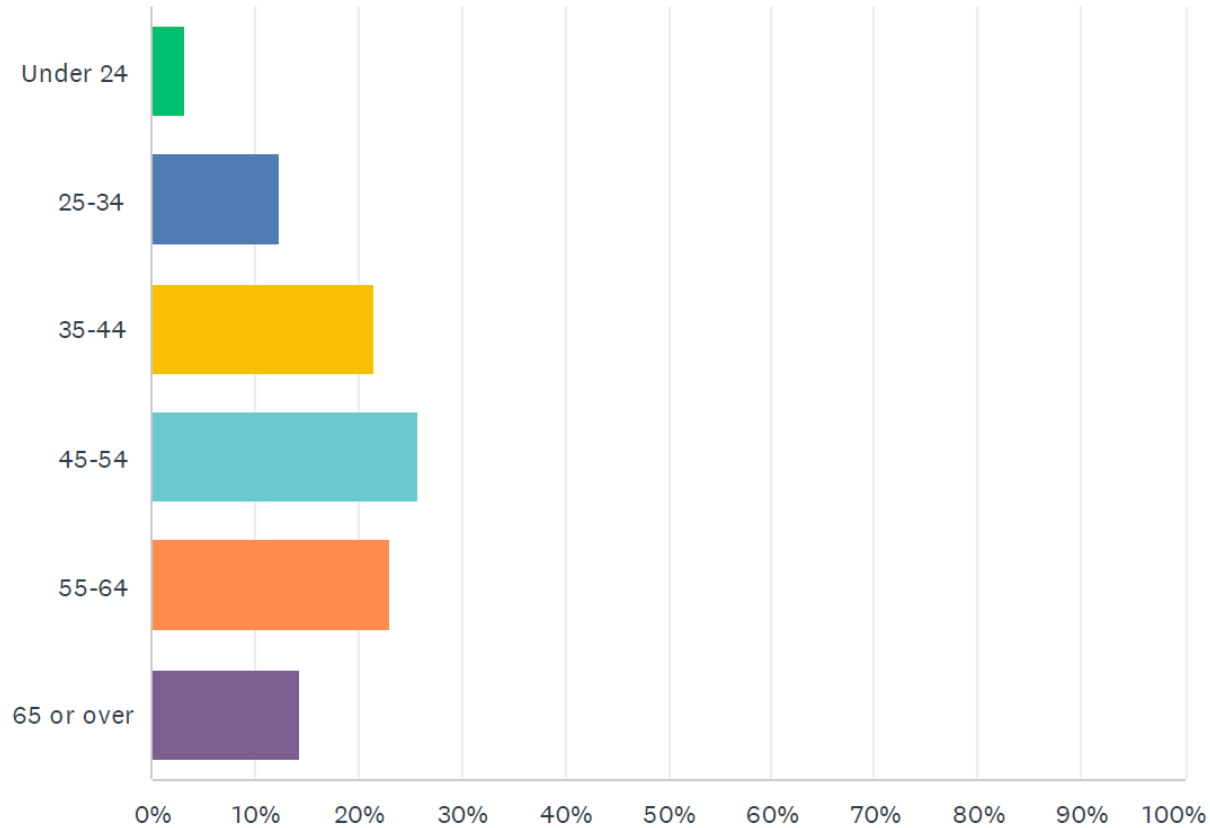
1. 85225
2. 85286
3. 85226
4. 85224
5. 85249
6. 85248

ANSWER CHOICES	RESPONSES
85224	15.86%
85225	21.46%
85226	19.03%
85248	8.96%
85249	15.11%
85286	19.59%



Q8: What is your Age? – 536 participants responded

Answered: 536 Skipped: 113

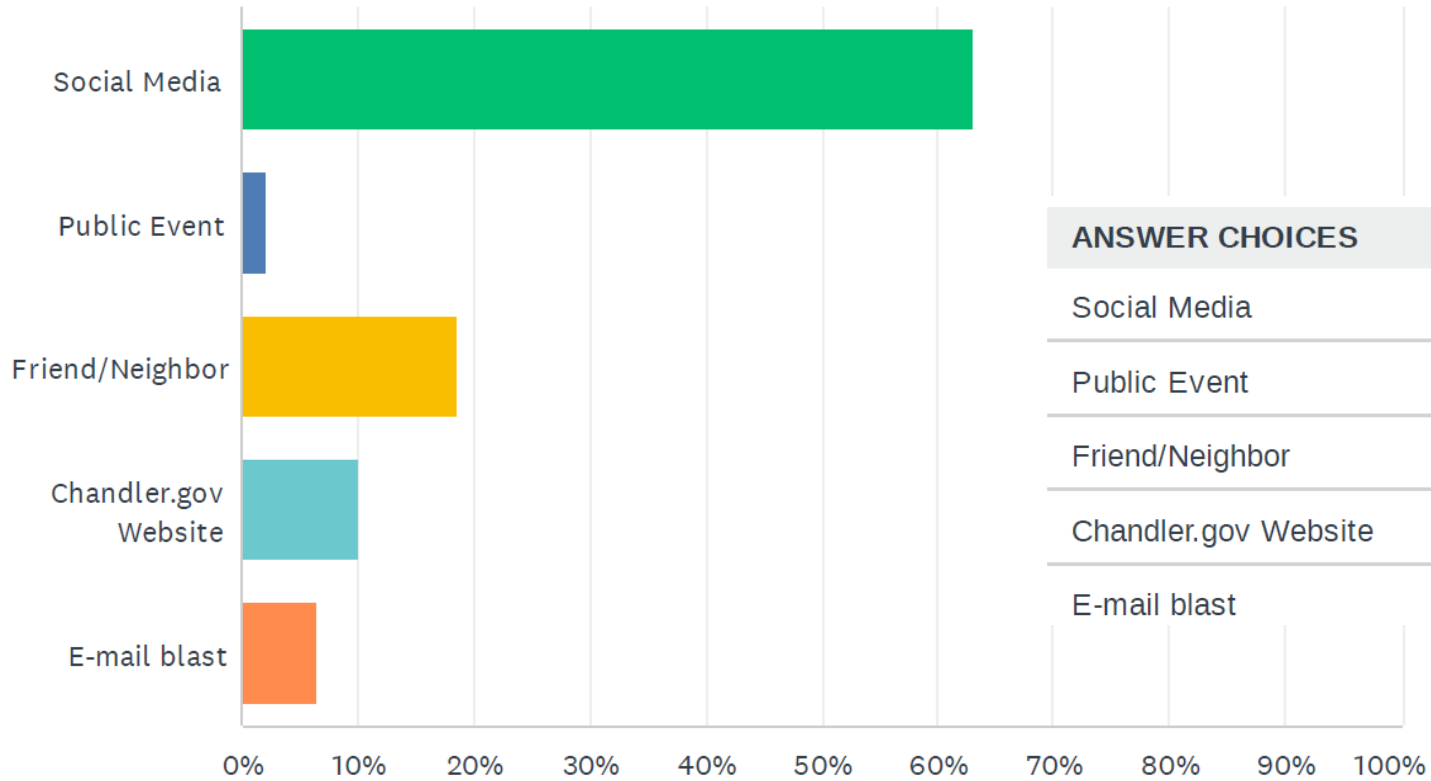


ANSWER CHOICES	RESPONSES
Under 24	3.17%
25-34	12.31%
35-44	21.46%
45-54	25.75%
55-64	22.95%
65 or over	14.37%



Q10: How did you hear about this survey? - 536 participants responded

Answered: 536 Skipped: 113



ANSWER CHOICES	RESPONSES
Social Media	63.06%
Public Event	2.05%
Friend/Neighbor	18.47%
Chandler.gov Website	10.07%
E-mail blast	6.34%



Q11: (Open Ended) Do you have any suggestions to improve bicycling in Chandler? – *543 participants responded*

Key Themes *(no order)*

- Safety
- Education (for bicyclists and drivers)
- Maintenance of existing bike lanes and roads
- Enforcement
- Green Infrastructure
- Enhanced Protection Elements
- More Lanes
- Connections
- Bike Lockers/Stations
- Shade



Online Survey Results

Please see Appendix C for detailed responses



Public Engagement Summary

May 15, 2023

Protected Bike Lane Feasibility Study

