

Paradise Valley **Bicycle & Pedestrian Master Plan**

Stakeholders Meeting

(A Compressed Version of the September 14th Open House)

September 7, 2016

Coffman Studio





Presentation Agenda

- The Consultant + Staff Team
- Purpose of Today's Meeting: Establish the Master Plan's Direction
- The Project: Its Impetus, Impact + Schedule
- What We've Learned
- Focus Group Discussions
 - Mission, Goals & Policies
 - Define Our Users
 - Connectivity
 - Routes + Wayfinding
 - Safety
 - Project Prioritization Criteria

The TEAM

Consultants



James Coffman, RLA, ASLA,
Project Manager &
President

Justin Azevedo, ASLA

Project Lead



Leslie Dornfeld, FAICP,
CSBA, Principal

Engagement & Integration



Jamie Cowgill, Principal

Wayfinding & Graphics



Dean Chambers, RLA, ASLA
Jamie Blakeman, PE, PTOE

Engineering, Design & Cost
Estimating

The TEAM

Paradise Valley Staff



Paul Michaud

Project Manager, Senior
Planner



Eva Cutro

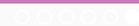
Community Development
Director

Meeting PURPOSE

Establish the Master Plan's Direction



Examine
+
Discuss



A Bicycle + Pedestrian MASTER PLAN

That Achieves...

01 | Safe & Convenient
Access for Bikes &
Pedestrians

02 | Comprehensive
Improvement Plan

03 | Improved Safety

SAFETY

04 | Linkages

05 | Reduced Barriers =
Increased Use

06 | Support Land Use

CONNECTIVITY

07 | Feasible
Implementation

PRIVACY

PERFORMANCE



Master Plan IMPETUS

2012 Council Adopted General Plan Guidance

The Mobility Chapter States:

“Safe, walkable environments will be maintained through an interconnected and continuous pedestrian network with sidewalks and trails that are enjoyable places to walk.”

“A bicycle circulation system compatible with existing motorized circulation routes and local neighborhoods will be provided.”

“Residents will be encouraged to integrate walking and bicycling into their daily activities to promote a healthier lifestyle and improve energy resource conservation.”



Master Plan IMPETUS

2012 Council Adopted General Plan Guidance

The Mobility Chapter Addresses:

1. A Non-Motorized Circulation System
2. An Integrated Pedestrian System
3. An Integrated Bicycle System
4. Roadway Classifications & Bicycle/Pedestrian Accommodation
5. Regional & Local Public Transit (NOTE: no mention of linking bicycle & pedestrian facilities to transit)
6. Roadway Design & Visual Character



Master Plan IMPETUS

2012 Council Adopted General Plan Guidance

Roadway Classifications and Their Bicycle & Pedestrian Accommodation:

Street Classification	Pedestrian Accommodation	Bicycle Accommodation
Major Arterials	Optional 6' sidewalks on both sides set back from traffic lanes min. 5'	Bike lanes only where necessary to interconnect bikeway systems.
Minor Arterials	Optional 6' sidewalks on both sides set back from traffic lanes min. 5'	Optional 4' bicycle lanes on both sides.
Collectors	Optional 6' sidewalks on both sides set back from traffic lanes min. 5'	Optional 4' bicycle lanes on both sides.
Locals	A: Optional 6' sidewalk on one side B: No sidewalks C: No sidewalks	No bicycle lanes.



Master Plan IMPETUS

2012 Council Adopted General Plan Guidance

Non-Motorized Circulation Alternatives:

Types	Description
Bike Lane	Pavement markings delineating a 4' w lane, exclusive of curb & gutter
Bike Route	Route only distinguished by signage along Minor Arterials and Collector Streets
Sidewalk	6' meandering paved or unpaved routes set back 5' min. from traffic lane
Multi-Use Trail	Unpaved facility such as along AZ Canal or in Phx Mtn. Pres.
Recreational Trail	Unpaved facility such as Cholla & Echo Canyon Trails
Recreational Path	Off-street paved connections



Master Plan IMPETUS

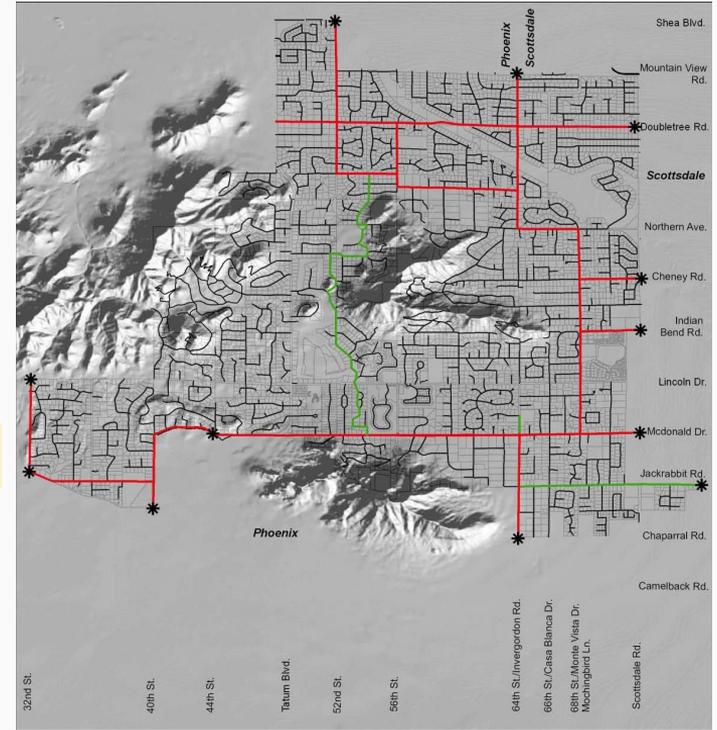
2012 Council Adopted General Plan Guidance

Non-Motorized Circulation Alternatives:

Paradise Valley Bikeway Classifications

- * Regional System Connection
- Red line with zigzag: Bike Lane
- Green line with zigzag: Bike Route
- Black line with zigzag: Local Street

NOTE: No sidewalks are shown



Master Plan **IMPACT**

Support + Complement the General Plan



- 1 Refined Bicycle & Pedestrian Goals & Policies
- 2 Defined Routes & Design Guidelines
- 3 Prioritized Project Lists
- 4 Typical Project Costs
- 5 Wayfinding + Branding

Master Plan IMPETUS

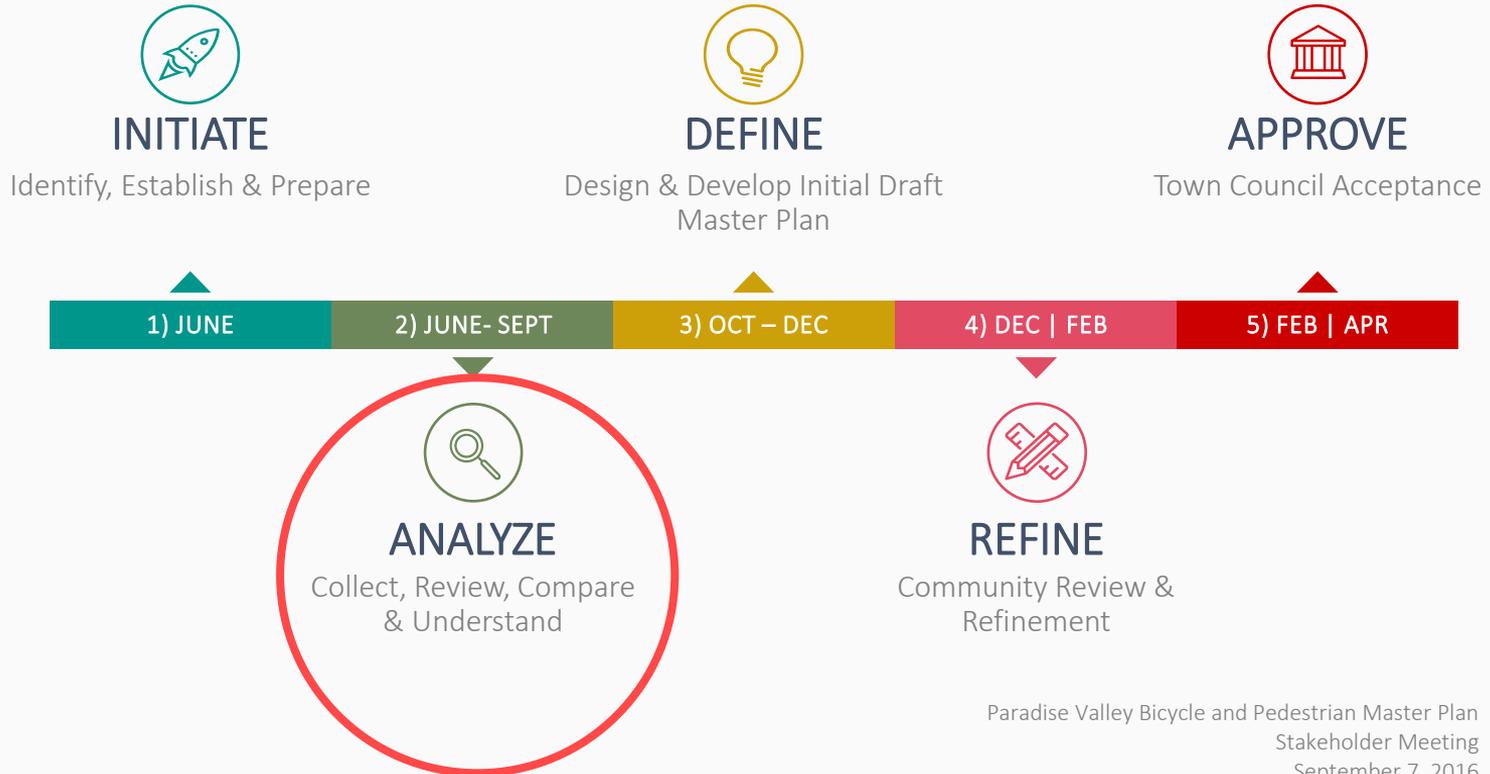
Council Adopted Capital Improvement Program (CIP) Projects

Bicycle & Pedestrian Projects (abbreviated list)

Projects	Projects
52 nd Street: Orchid – Tomahawk	Lincoln Drive: Mockingbird to Scottsdale
Indian Bend: Mockingbird to Scottsdale	Mockingbird: Lincoln to Northern
Lincoln: Boundary to Boundary	Visually Significant Corridor Study: Town-wide
Mockingbird south of Lincoln	Doubletree: Invergordon to Scottsdale
Mockingbird: 56 th to Invergordon	32 nd Street: Stanford to Lincoln
56 th : Mockingbird to Doubletree Ranch	Tatum: Doubletree to Mountain View



Process + SCHEDULE



What We've LEARNED

Bike Laws in Arizona

1. Bikes can ride 2 abreast and no more. ARS 28-815
2. Bicyclist have to ride as close as practicable to the right-hand curb or edge of the roadway, unless they are preparing to make a left hand turn, or if there is an object in the way and the bicyclist needs to go around it. ARS-28-815
3. A person riding a bicycle on a roadway is subject to all the duties that are applicable to the driver of a vehicle (i.e. need to stop at stop signs and obey traffic control devices). ARS-812
4. Bicyclists need to ride with the flow of traffic. ARS-812
5. The same rules of the road that are applicable to driving a vehicle on the roadway are applicable to a bicyclist. ARS 28-812
6. Bicyclists should not pass in a school zone and should stop when children are in a crosswalk. ARS 28-797 & ARS 28-812

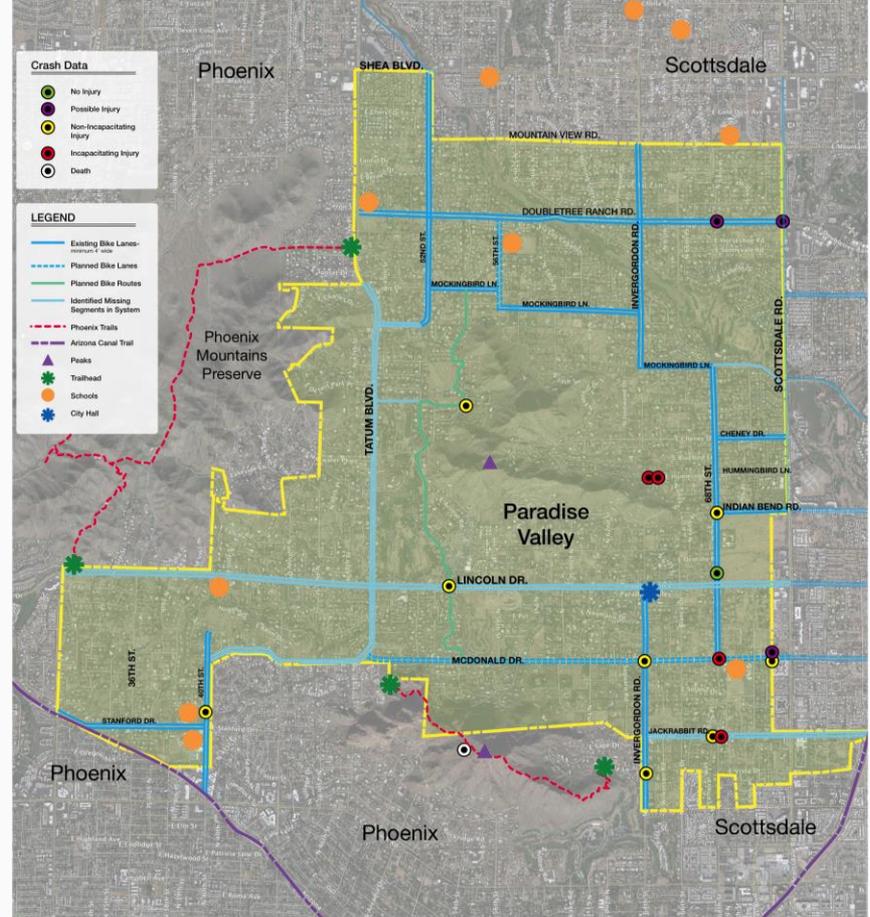
What We've LEARNED

Bike Laws in Arizona

7. There is NO bicycle helmet law for anyone in AZ.
8. A bicycle lane is designated for the exclusive use of bicycles and a person shall not operate, stop, park or leave standing a vehicle in a path or lane designated as a bicycle path or lane unless it is used to gain access to a public or private roadway or driveway. ARS 82-815D
9. A bicyclists may ride on a sidewalk.
10. The Paradise Valley Police Department issues citations and warnings to bicyclists that do not obey the law. The Department does not keep track of bicycle specific citations as they are the same violation code for both a bicycle and vehicle.
11. Paradise Valley provides education on rules for riding a bicycle on the roadway at the public safety fair/bike rodeo and through flyers to bicycles shops and bicycle groups.

What We've LEARNED

Site Inventory – Bicycle Facilities



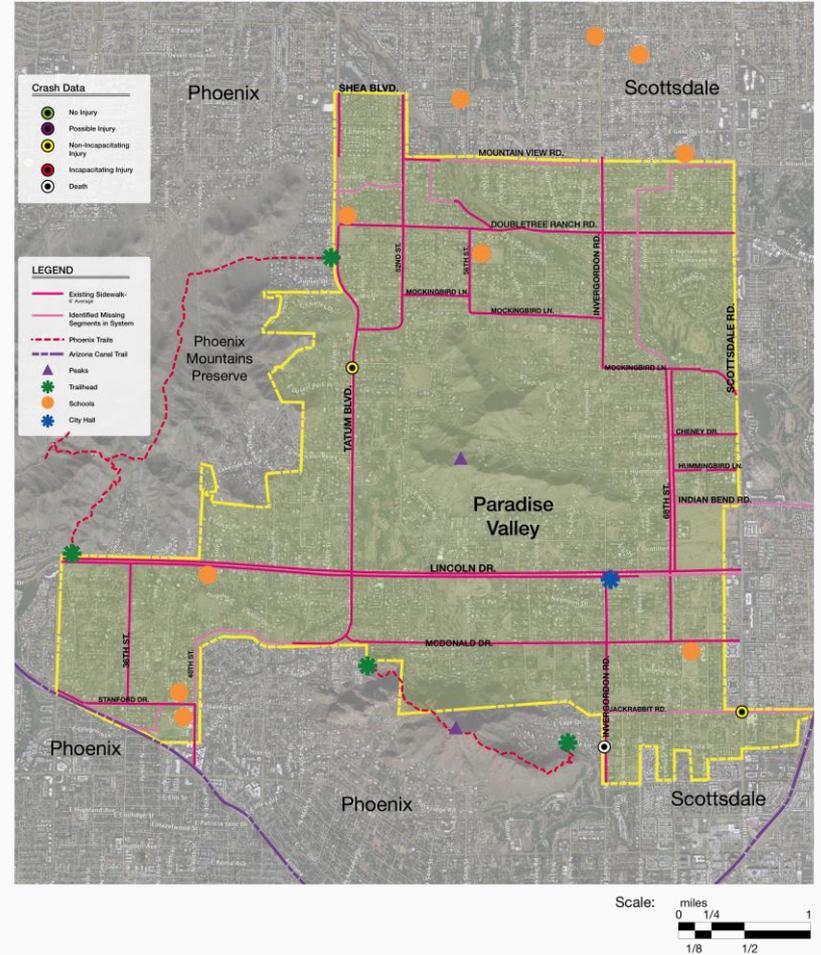
What We've LEARNED

Site Inventory – Bicycle Facilities



What We've LEARNED

Site Inventory – Pedestrian Facilities



What We've LEARNED

Site Inventory – Pedestrian Facilities



What We've LEARNED

Site Inventory – Street, Bicycle + Pedestrian Facilities

Paradise Valley | **Bike - Pedestrian Inventory**

Prepared by: Joshua McDonald

Date: 8/4/16

No.	Road	Segment		ROW Width	(ROW - PW)	Poste d Speed Limit	Directi on	ROW																Directi on	Notes					
		From	To					LS	Sid ew alk	LS	Bike Marking		Bike Lane	Buffe r	Road Lanes						Buffer	Bike Lane	Pave ment Width			Bike Marking		LS	Sid ew alk	LS
											S (sign)	M (marking)			3	2	1	Center	1	2						3	S (sign)			
1	Tatum Blvd	Shea Blvd	Gold Dust Ave	110	9	45	S		5			0	0	14	10	10	9	10	11	26	0	0	90			6	N	Raised median for 350' south of Tatum/Shea Intersection. Rest of center is TWLTL		
2	Tatum Blvd	Gold Dust Ave	Mountain View Rd	110	37	45	S		6			0	0		11	10	9	10	10	10	0	0	60			7	N	Center is TWLTL		
3	Tatum Blvd	Mountain View Rd	Berneil Dr	120	60	45	S		6			0	0		11	10	10	10	13		0	0	54		X	N	NB has Frontage Road (17') after LS (16'). Center is TWLTL			
4	Tatum Blvd	Berneil Dr	Doubletree Ranch Rd	95	35	45	S		5			0	0		15	10	9	10	11		0	0	55		X	N	Variable buffer between 0'-12' SB, 0'-5' NB. Center is TWLTL			
5	Tatum Blvd	Doubletree Ranch Rd	Tomahawk Trail	120	51	45	S		5			0	0		12	10	15	10	11		0	0	58			6	N	0'-8' LS on Curvy NB Sidewalk. Center is TWLTL		
6	Tatum Blvd	Tomahawk Trail	Caida Del Sol Dr	80	-2	45	S	X				0	2		11	11	16	11	12		11	0	74			8	N	raised median for 325' north of Tatum/Caida Del Sol Intersection. Rest of center is TWLTL		
7	Tatum Blvd	Caida Del Sol Dr	Mockingbird Ln	101	7	40	S	X				0	10		12	13	10	13	11		11	0	87			7	N	SB SW ends after 110' south from Caida Del Sol. NB SW persists with variable LS distance between road lanes and SW: 0'-85'. Center is raised median.		
8	Tatum Blvd	Mockingbird Ln	Desert Jewel Dr	96	-5	40	S	X				0	11		12	24	12	11	13		11	0	94			7	N	NB SW has variable LS distance between road lanes and SW: 0'-27'. Center is raised median.		

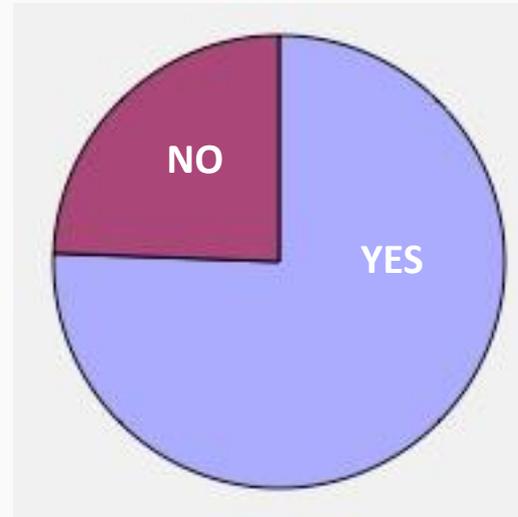
What We've LEARNED

Survey Results

DO YOU WALK IN PARADISE VALLEY?

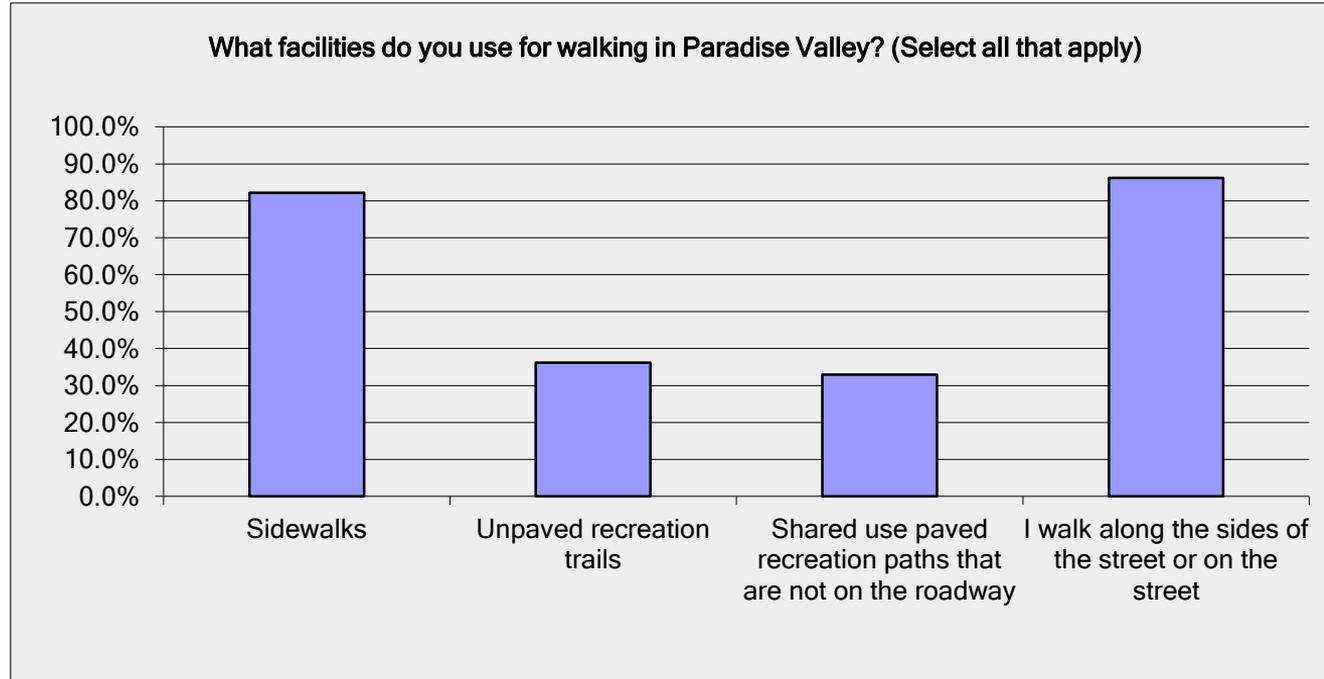


DO YOU BIKE IN PARADISE VALLEY?



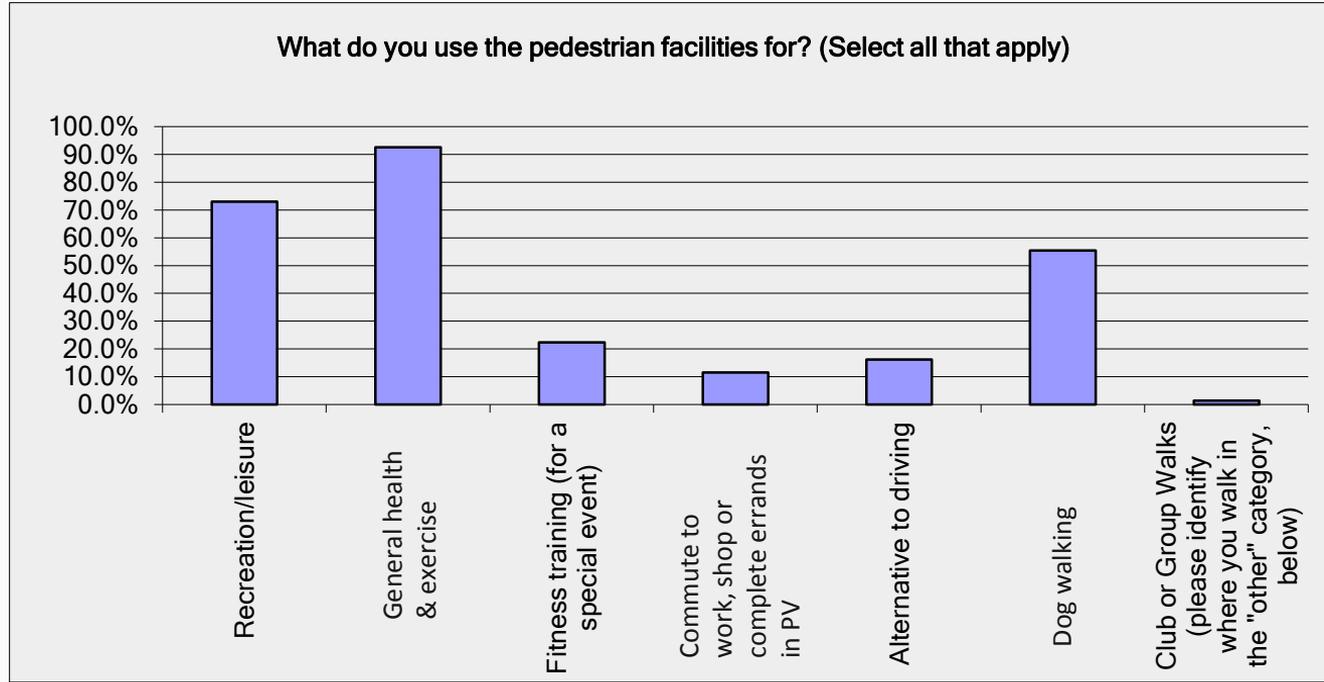
What We've LEARNED

Survey Results



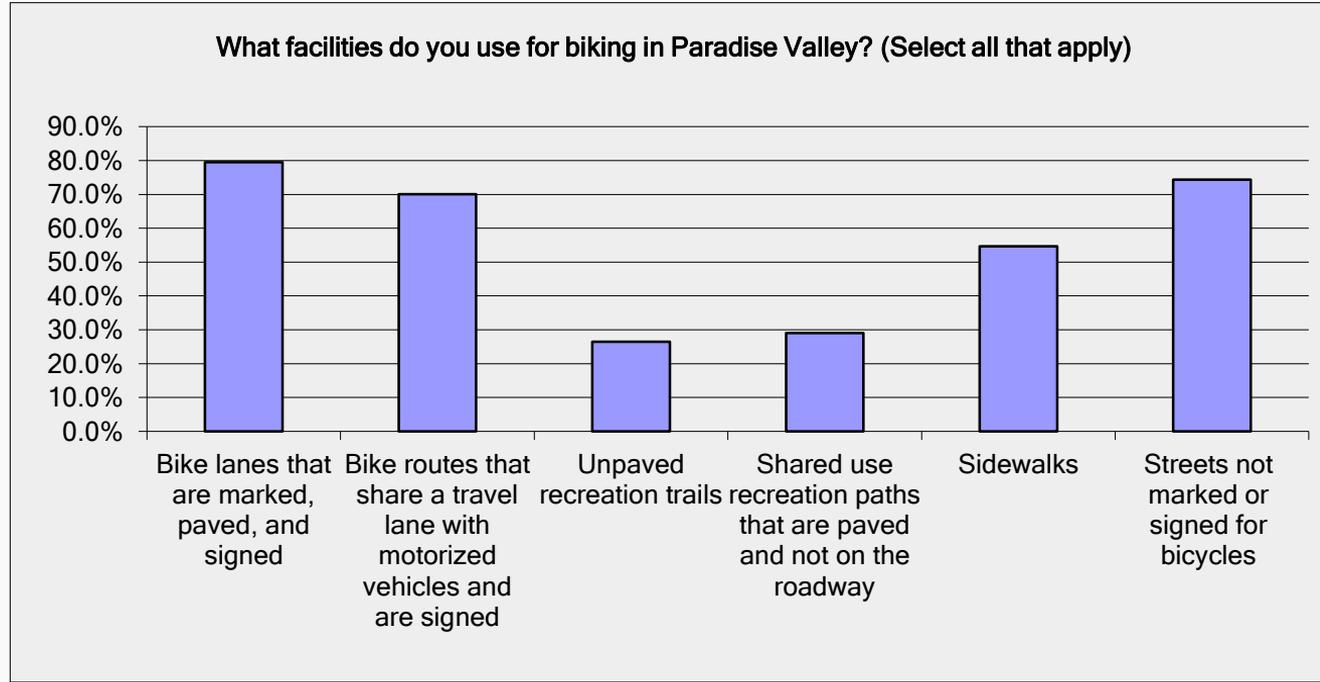
What We've LEARNED

Survey Results



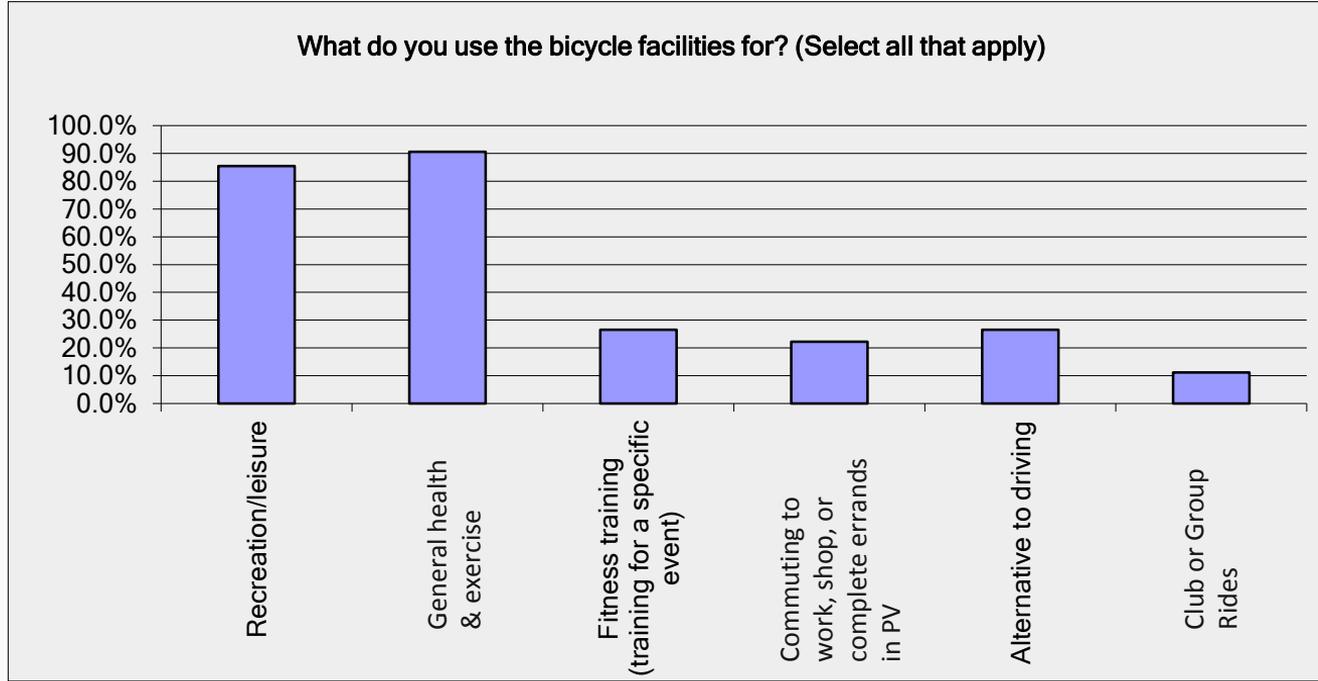
What We've LEARNED

Survey Results



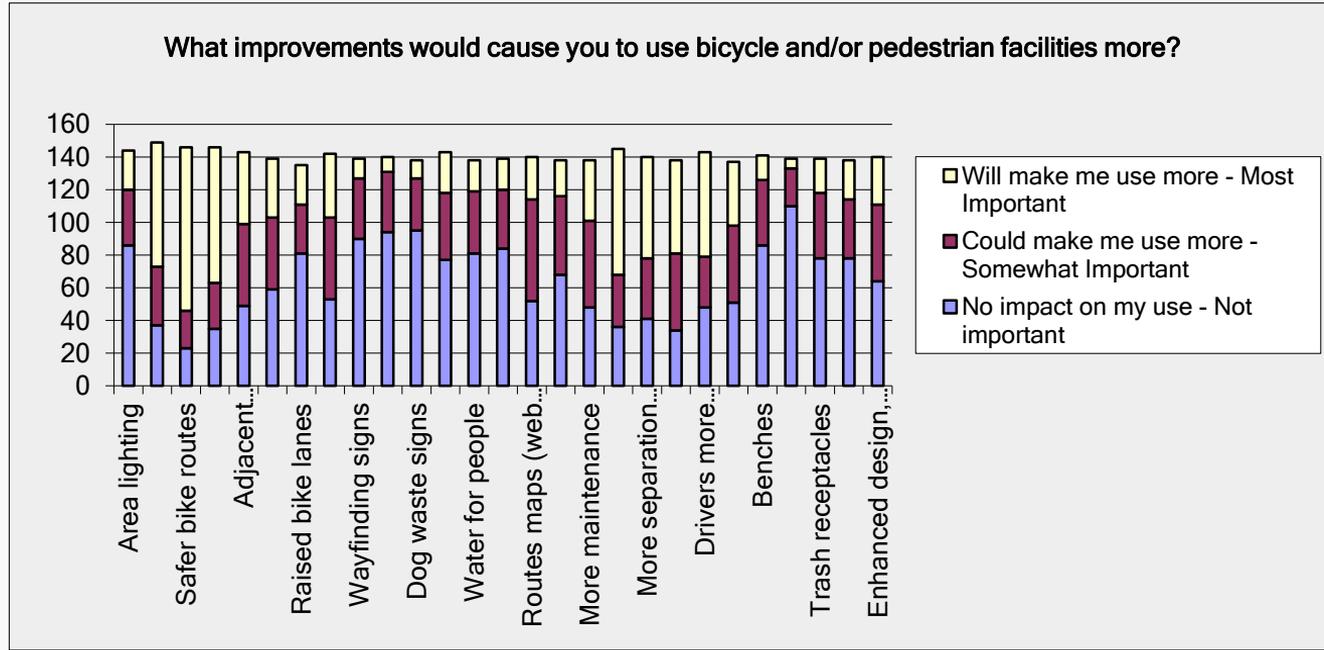
What We've LEARNED

Survey Results



What We've LEARNED

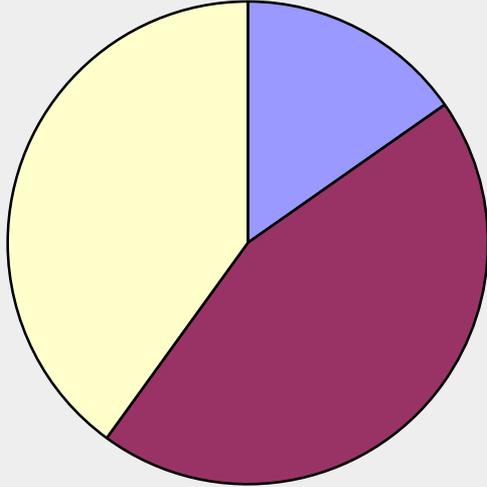
Survey Results



What We've LEARNED

Survey Results

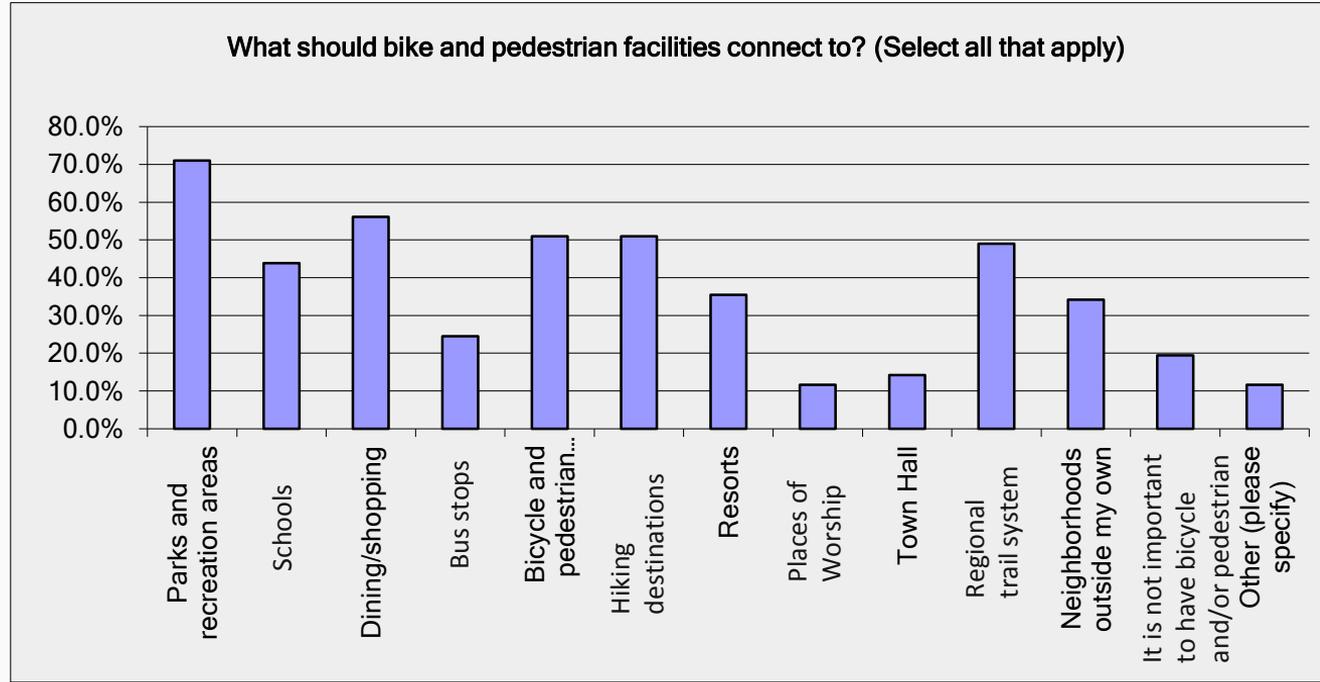
How do you feel about having a bicycle or pedestrian facility near your home?



- I have no opinion
- It doesn't bother me
- I have an opinion (please share your opinion in the space marked "other" below)

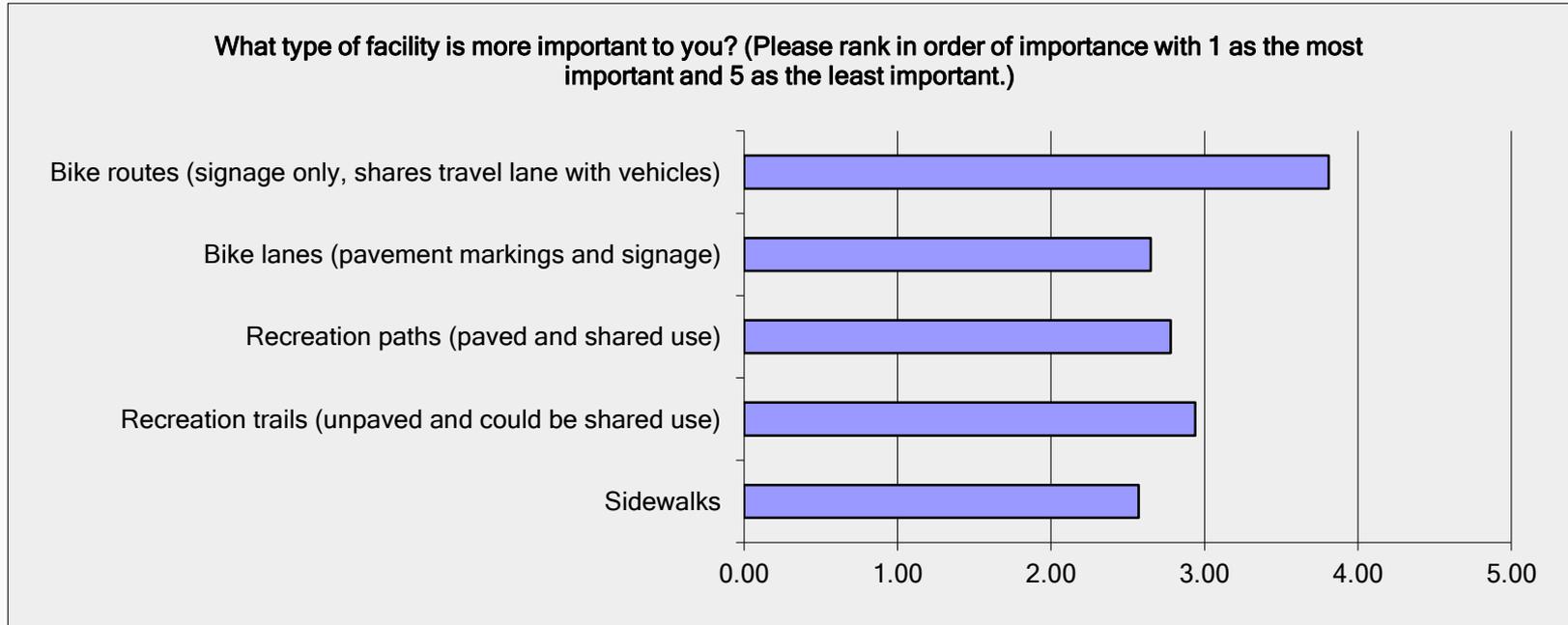
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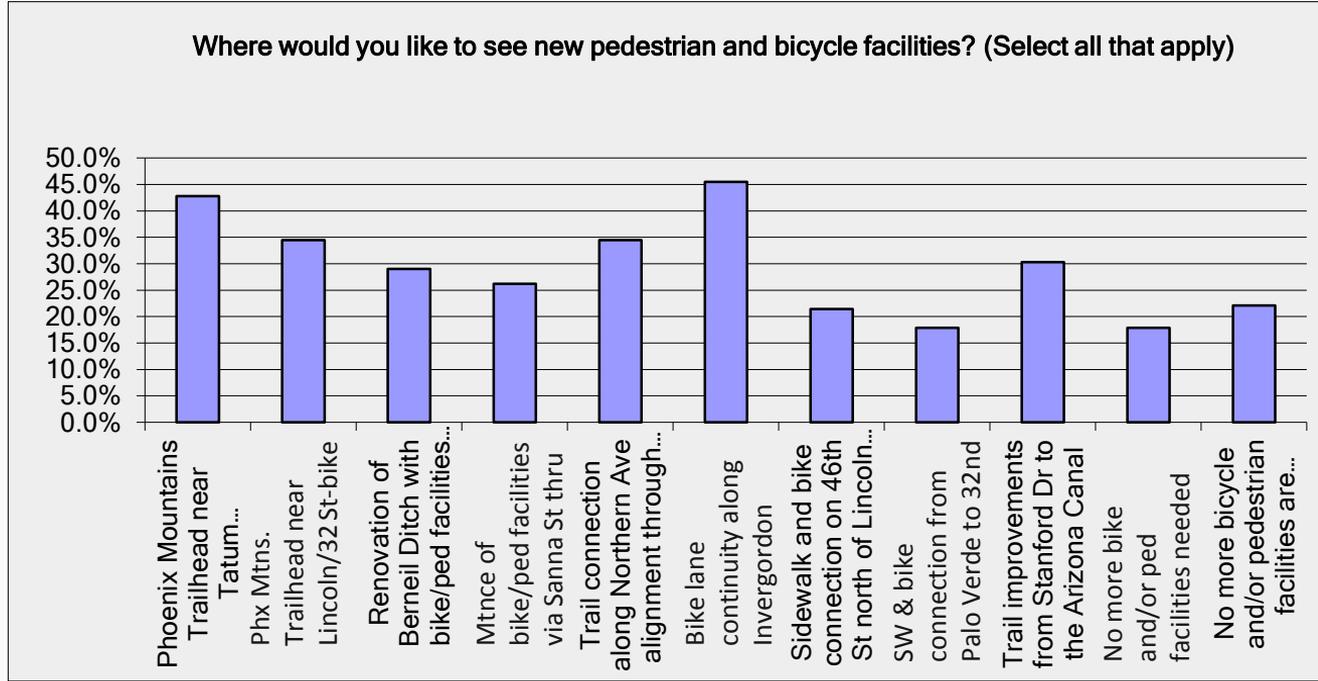
What We've LEARNED

Survey Results



What We've LEARNED

Survey Results



What We've LEARNED

Concierge Interviews

Takeaways

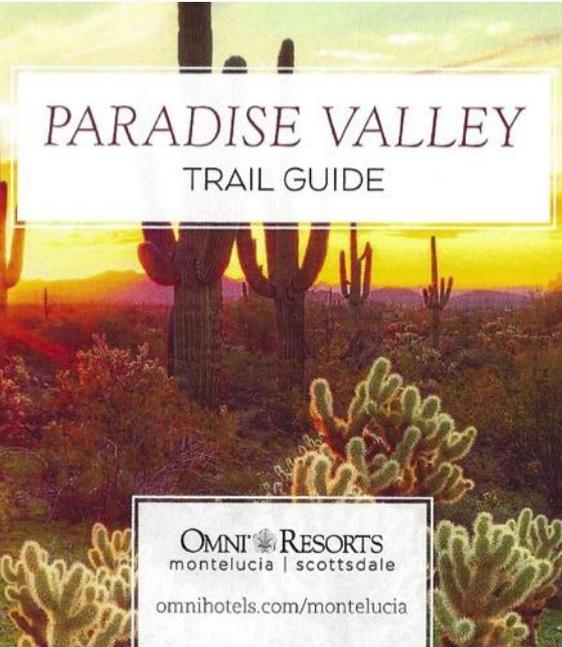
- **Safety, Safety, Safety** - Most resorts provide printed safety information
- **Hiking & Biking** is very popular with guests
- Most resorts provide maps to guide visitors to low stress nearby walking & biking locations
- Some provide maps with varying length routes
- Guest like to see the area flora, fauna, architecture & mountain vistas
- Guests want to walk or bike to local markets & other resorts
- Some resorts provided guided hikes & rides often through their spa
- Most resorts arrange with local bike shops to deliver reserved bicycles to the resort
- Some resorts provide their own bikes

More Takeaways

- The Omni has a pay to park to hike service for non-resort guests to access Camelback Mountain/Echo Canyon. They provide water and information in return for the paid parking space.
- Some resorts use Shuttle route that links resorts with downtown Scottsdale & other destinations
- Guests would benefit from stronger/better connections to trail/path system along Arizona Canal & Indian Bend Wash
- Resorts direct people away from Lincoln & are wary to direct people to difficult hiking @ Camelback Mountain
- Concierges would welcome regular meetings with the Town & with each other to discuss & coordinate walking/biking issues

What We've LEARNED

Concierge Interviews



GOLF \$ R
Grab your clubs and enjoy a day on any one of nearly 200 golf courses in the Scottsdale area. Find your favorite challenge at Eagle Mountain Golf Club, Longbow Golf Club, Camelback Golf Club, Grayhawk Golf Club & more. **RESERVATIONS (480) 627-3020**

HIKING
With some of the most scenic trails in Arizona, Paradise Valley has the right hiking route for every level. To learn more about nearby trails, descriptions, difficulty levels and safety tips, please visit the concierge or fitness desk.

CAMELBACK HIKE PACKAGE \$
Conquer Camelback Mountain with ease and style. Receive a hiker's kit equipped with two bottled waters, lip balm, sunscreen, trail map guide, 20% discount at Crave Café and a \$20 voucher towards a Joya Spa massage. \$15 per resort guest. \$25 per local guest - includes parking. For purchase at Crave Café.

BIKE RENTALS \$
Experience the beauty of the desert while enjoying a bike ride through Paradise Valley. \$10 per hour, per rental. **RESERVATIONS (480) 627-3020**

What We've LEARNED

Walk + Bike Ride | Focus Groups August 13th + 16th

Greatest Challenges

- Lack of connectivity
- Safety for bicyclists, walkers and drivers
- Need for education of both bicyclists and drivers on rules of the road
- Balancing the needs of residents, visitors, walkers, and bicyclists
- Proper signage or wayfinding without visually cluttering the beautiful, natural and rural atmosphere of the town
- Implementation, operations and management funding
- Project prioritization
- Lack of right of way for needed improvements

Greatest Opportunities

- Beautiful architecture, landscape and environment that can be celebrated and shared via education, interpretation
- Potential to use open space easements as routes
- The development process can assist in implementing projects
- Potential for pre-determined walk/bike routes for use by residents, resorts and visitors
- Enforcement of existing laws
- Connectivity east/west critical regionally
- Preserve rural desert quality

What We've LEARNED

Walk + Bike Ride | Focus Groups August 13th + 16th

Streets or Facilities that Function Well or Not at All

- Lincoln very difficult for bicyclists and walkers due to noise, traffic speed, lack of bike lanes & inconsistent sidewalks
- Lincoln better for jogging than McDonald due to 'eyes on the street' of passing motorists
- Bikers speed down mountain streets without concern for pedestrians
- Doubletree attracts large pelotons that block the entire street lane
- Walkers use the non-sidewalk side of McDonald
- No Bike lanes on McDonald west of Invergordon as space was given to landscaped medians that contribute to the natural character of the area
- Mountain Shadows and Ritz Carlton will increase traffic dramatically on Lincoln & McDonald

Needed Additional Facilities/Amenities

- Art
- Landscaping
- Nothing
- Better trimming of plants at the edge
- Bicyclist/pedestrian activated cross walk buttons (right height and right placement)
- Consistency of materials and signs
- Connectivity to destinations (markets, coffee shops, trails, parks, etc.)
- Dog stations (bags)
- Water, benches, shade
- Information about being respectful to neighbors
- Grade separated crossings

What We've **LEARNED**

Walk + Bike Ride | Focus Groups August 13th + 16th

Concerns of Property Owners Adjacent to New Bicycle & Pedestrian Facilities

- **Noise**
- **Large gatherings of people**
- **Infringement on privacy**
- **More information about right of way ownership**

Signage and Wayfinding

- | | |
|--|---|
| <ul style="list-style-type: none">• Partnership with resort in determining bike & walk routes for guests & visitors, but attractive neighborhoods become attractive nuisance with many tourists & visitors• Tech solutions such as Apps like FieldTrip or QR codes with routes & info available on-line• Need small scale but visible branding• Still need printed/hard copy maps | <ul style="list-style-type: none">• Still need signage to tell people where they should be & keep them away from places they shouldn't be• Use rocks or other existing materials to minimize visual clutter• Minimize signs• Use pavement markings instead of signs for bicycle wayfinding |
|--|---|

What We've LEARNED

Wayfinding

Wayfinding Benefits

- Familiarizes users with the multi-use system network
- Identifies best routes to destinations
- Overcomes a “barrier to entry” for infrequent bicyclists or beginning walkers
- Can control avid bicyclists riding behavior and the guide them through the most direct pathways
- Wayfinding elements including mileage to destinations may help minimize tendency to overestimate the time it takes to travel by bicycle or on foot
- Visually reminds motorists they are driving along a multi-use system route and should use caution
- Passively markets the multi-use system network by providing unique and consistent imagery throughout the town
- Subtly markets the multi-use system network and its connectivity to the larger Valley systems

What We've LEARNED

Map Based Technology Applications Potential

Connecting with Existing Apps

- 'FieldTrip'
- 'Map My Ride'
- 'MAPS.ME app'
- 'MAPBOX'
- QR Coding
- Custom Wayfinding App

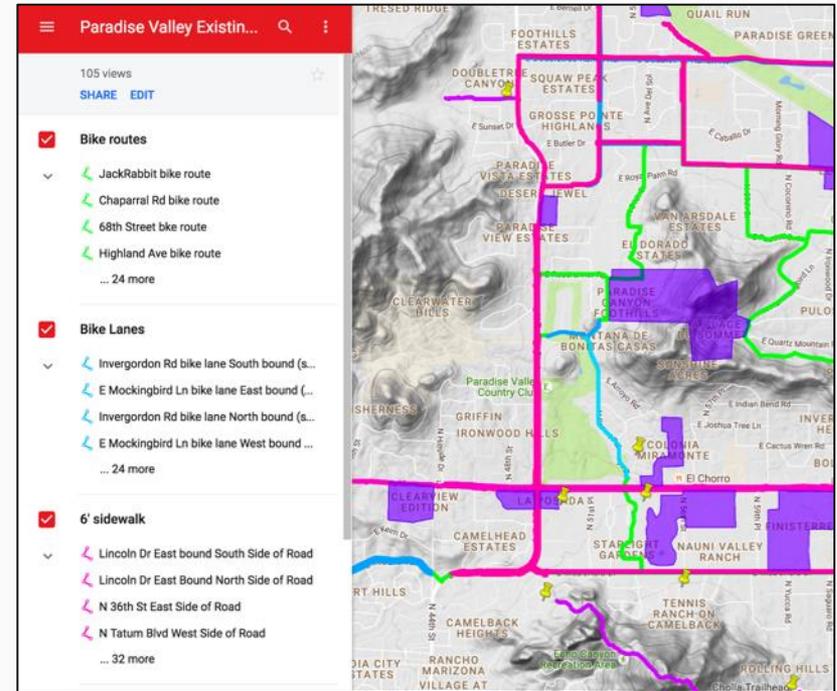


What We've LEARNED

Map Based Technology Applications Potential

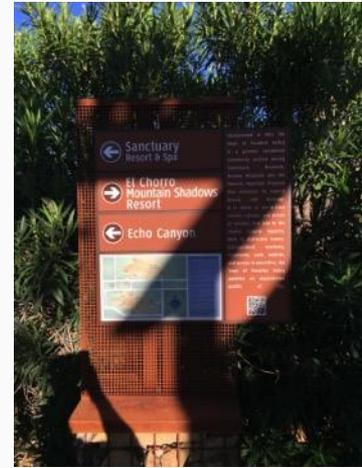
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What We've LEARNED

Signage + Wayfinding In/Near Paradise Valley



Stay INVOLVED

Keep up to date and informed as we move forward @

WWW.PLANPV.MYSIDEWALK.COM

- **OPEN HOUSE: SEPTEMBER 14, 2016**
REPEAT of September 7 Stakeholders Meeting Presentations and Discussions
- **OPEN HOUSE: OCTOBER 19, 2016**
Detailed Project Prioritization Criteria Development, Updated Mission, Vision and Goals, Draft Wayfinding and Branding, Preliminary Project Identification, Cross Section Updates
- **OPEN HOUSE: DECEMBER 14, 2016**
Review of the Draft Master Plan

Breakout GROUPS

Break Into 4 Groups

Each Group Discuss Mission, Goals (What's Missing from the General Plan?)

Rotate to 3 of the 4 Topics/Goal Tables:

- Define Our Users
- Connectivity
- Routes & Wayfinding
- Safety

Each Group Introduced to Project Prioritization Criteria (Based Upon Input from Mission, Goals & Policies)