

Smith Innovation Hub Infrastructure Master Plan

Public Meeting #2

July 30, 2021



Tempe

Making waves in the desert

Welcome

Following the presentation, the study team will be available for questions or comments.

LOOP
202

Rio Salado Pkwy

Industrial Dr

Third St

Clark Dr

Rockford Dr

River Dr

Siesta Ln

McClintock Dr

Fifth St

Smith
Innovation
Hub

LOOP
101

Sixth St

Hacienda Dr

Perry Ln

Smith Rd

Rockford Dr

River Dr

Sixth St

Price Rd



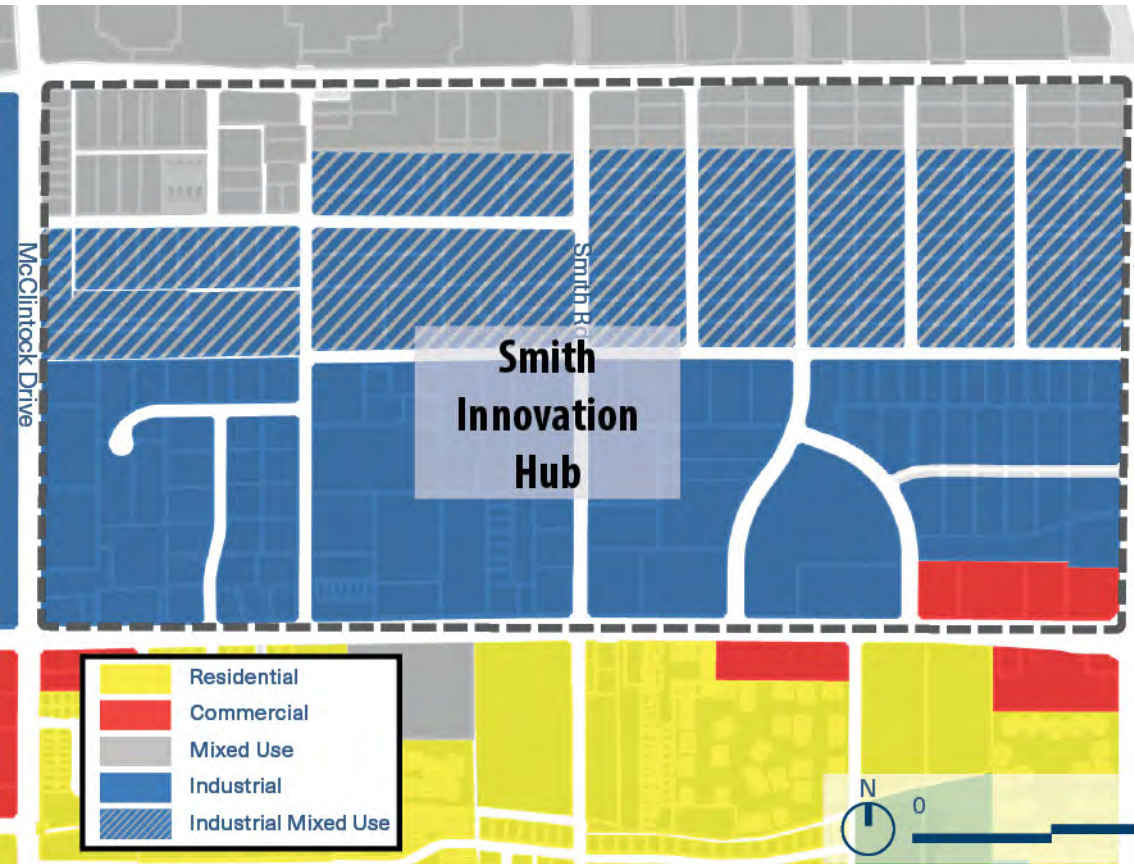
University Dr

River
Dr



- Guide public and private infrastructure improvements
- Identify and prioritize infrastructure needs for short- and long-term timeframes
- Provide planning-level costs and prepare an implementation plan

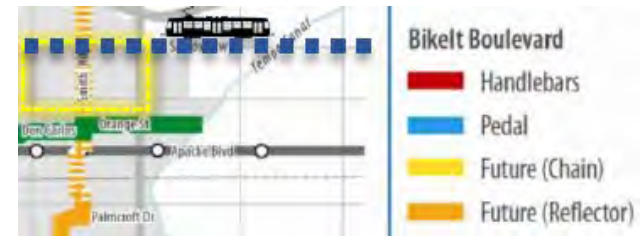
Background



SMITH INNOVATION HUB POTENTIAL LAND USES



Note: "Mixed use" may be either vertical or horizontal mixed use.



Excerpt from Bikelt map showing Smith Road as future bicycle boulevard through SIH.

Existing Conditions



- Approximately 250 unique employers; over 5,000 employees
- Majority single-story buildings
- Adaptive reuse occurring (Circuit Tempe, Circa '78)



Surrounding Community



NOVUS

Tempe Marketplace



Rio 2100

Rio Salado Pkwy

Industrial Dr

Third St

Clark Dr

Rockford Dr

River Dr

Siesta Ln

APS Facilities

McClintock Dr

Fifth St

**Smith
Innovation
Hub**

Sixth St

Hacienda Dr

Perry Ln

Smith Rd

Rockford Dr

River Dr

Sixth St

Price Rd



Tempe
neighborhoods



Tempe neighborhoods

Tempe neighborhoods

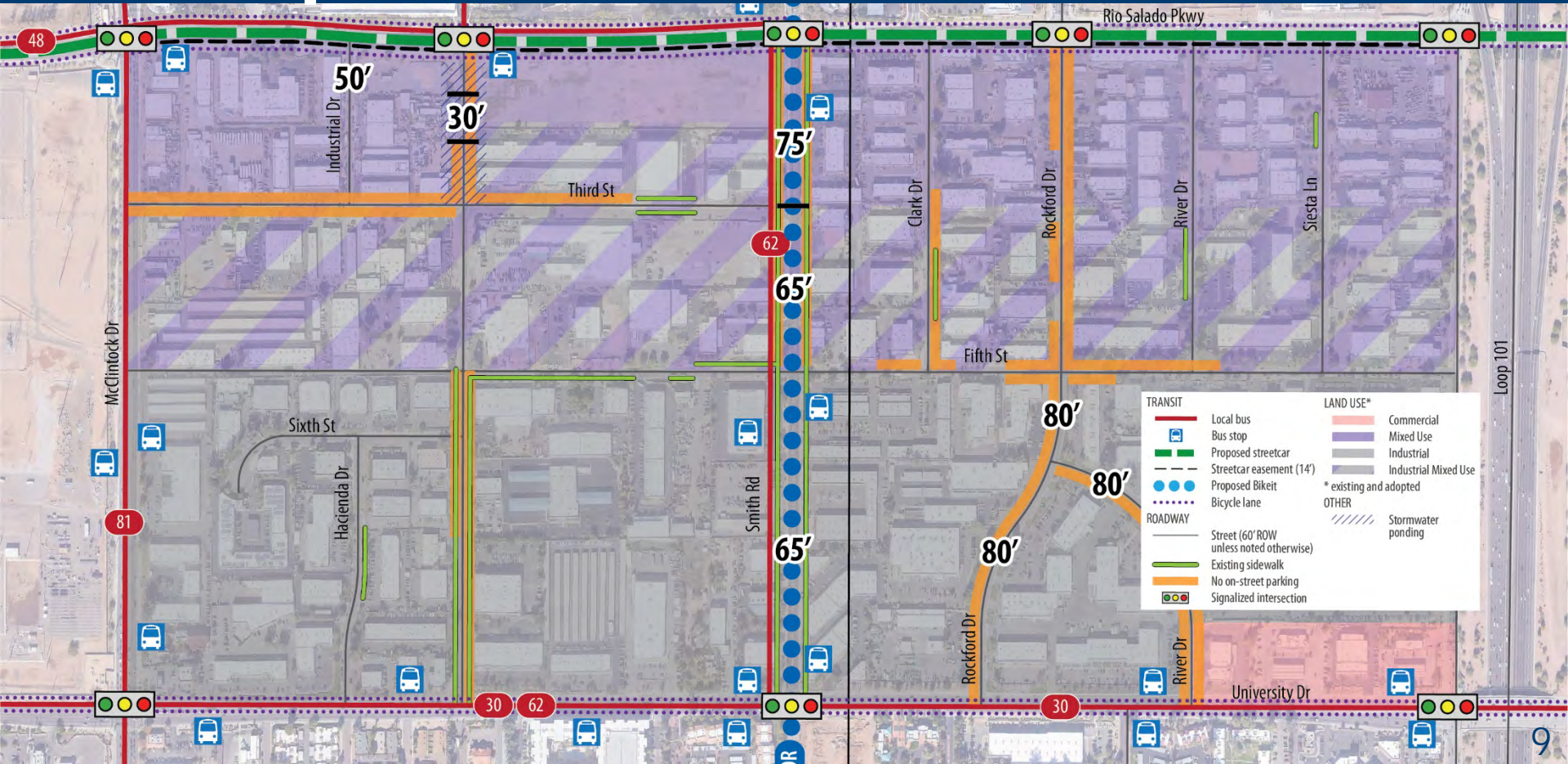
University Dr

Adjacent Neighborhoods



- Escalante and Alegre parks communities
- Population nearly 9,000
- Transit and bike to work at 1 ½ times the City's rate
- Walk to work less than City's rate

Transportation Overview



TRANSIT		LAND USE*	
	Local bus		Commercial
	Bus stop		Mixed Use
	Proposed streetcar		Industrial
	Streetcar easement (14')		Industrial Mixed Use
	Proposed Bikeshare	* existing and adopted	
	Bicycle lane	OTHER	
	Street (60' ROW unless noted otherwise)		Stormwater ponding
	Existing sidewalk		
	No on-street parking		
	Signalized intersection		



- Next five years (2026)
- Planning-level information to begin budgeting and implementing improvements
- Current (and future) users

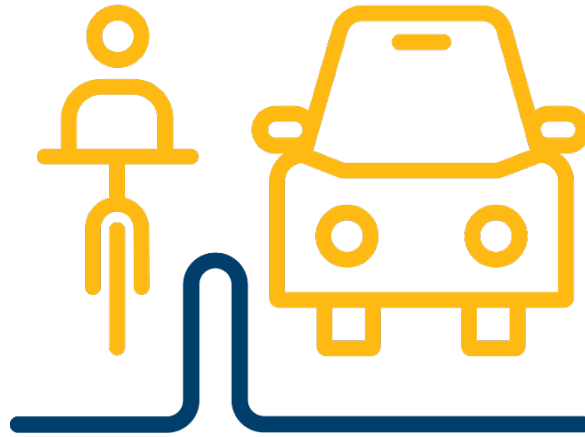


- Use this plan as a guide
- Projects will be phased in over time as funding becomes available
- Private development may provide opportunities to implement infrastructure or fund improvements

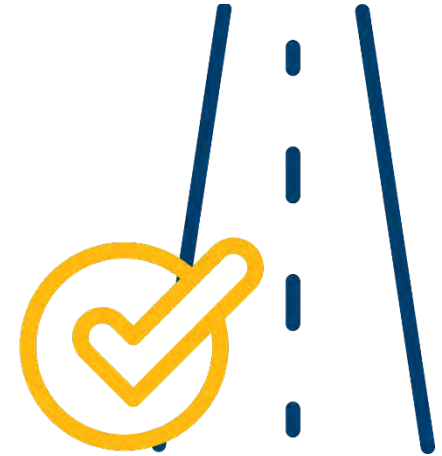
Priorities



Safety



Pedestrian and
Bicycle Comfort/
Accessibility



Business Access

Streetscape Criteria



General criteria for the comparison of alternatives

Criteria	User Groups	Rating
Level of comfort	Bicyclist and pedestrian	L, M, H
Curb access (parking, p/u, transit)	All	L, M, H
Access and mobility	Business	L, M, H

Ratings are qualitative relative scores using a three-step scale:

L - low

M - medium

H - high

Streetscape Recommendations



Perry Lane (n of 5th)
- Low Impact Development
- Parking on both sides of street

Fifth Street
- Parking on both sides of street

Smith Road
- Protected bike lanes
- Two-way left turn lane

Perry Lane (s of 5th)
- Parking both sides of street

Perry Lane



- Make sidewalk improvements (ADA)
- Complete full street section north of 5th Street
- Mitigate stormwater runoff and on-street ponding



Photos, Perry Lane
South of 5th Street (left)
North of 3rd Street (right)



Perry Lane (north of Fifth St)



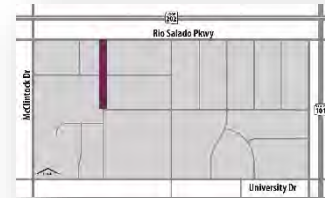
- Both Alternatives offer varying degrees of on-street parking
- Alternative A – includes attached sidewalks
- Alternative B – includes detached sidewalks and Low-impact Development

Perry Lane (north of Fifth St)



Meeting #1 – Survey Responses

- 82% of respondents preferred Alternative B, incorporating Low-Impact Development
- Respondents liked shade and parking aspects
- Concern with cost and maintenance of landscape in right-of-way



Location map

Note:

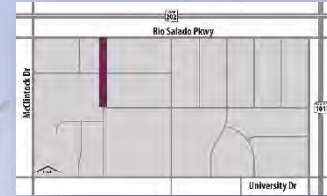
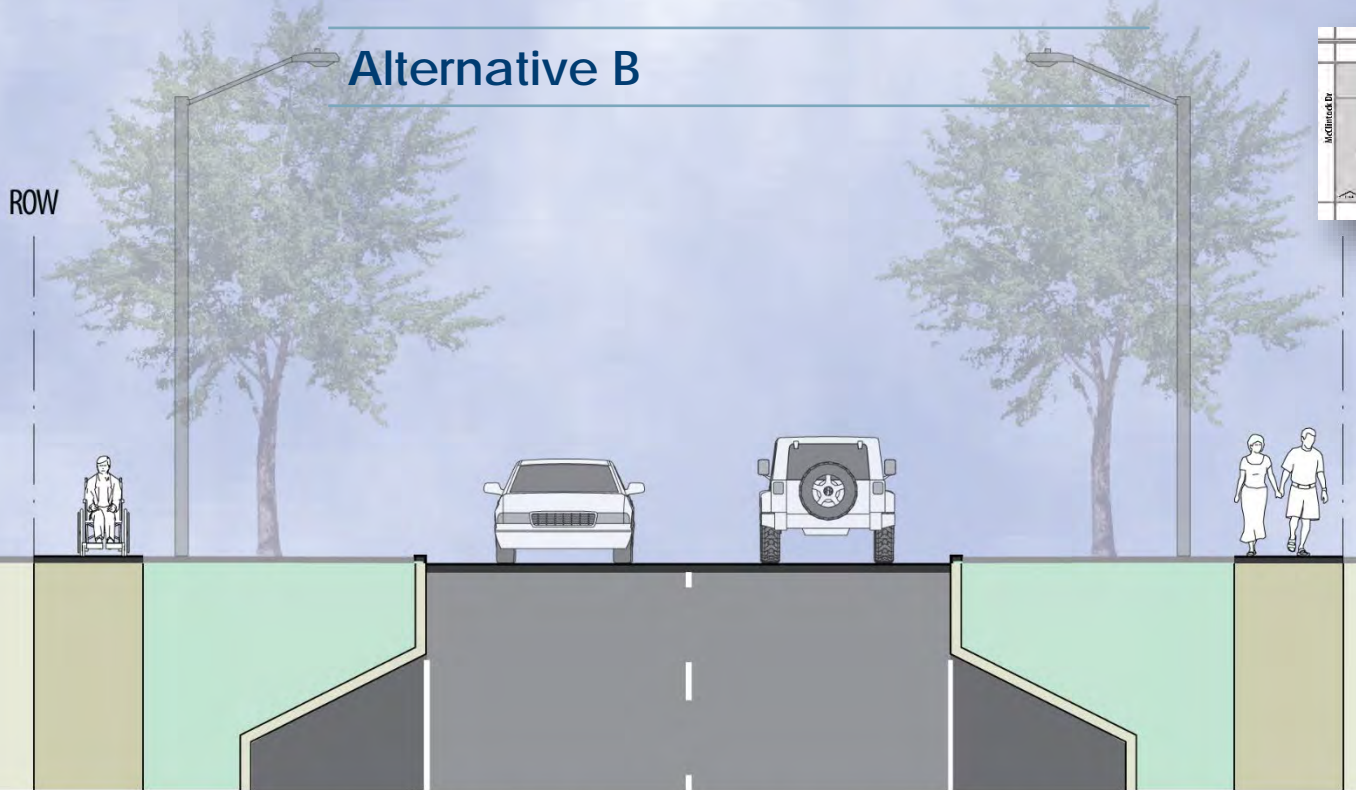
Excerpts from comments; all comments posted on project webpage.

Perry Lane (north of Fifth St)



Alternative B

ROW



Location map

Sidewalk & Planter

5'+5'

Parking

8'

Travel Lane

12'

Travel Lane

12'

Parking

8'

Planter & Sidewalk

5'+5'

Perry Lane (north of Fifth St)



Alternative B with low impact development (LID).



College Avenue, Tempe

Rio Salado Pkwy

3rd St

Perry Ln

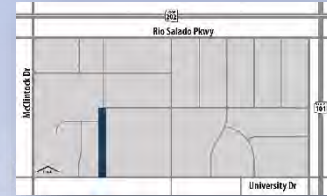
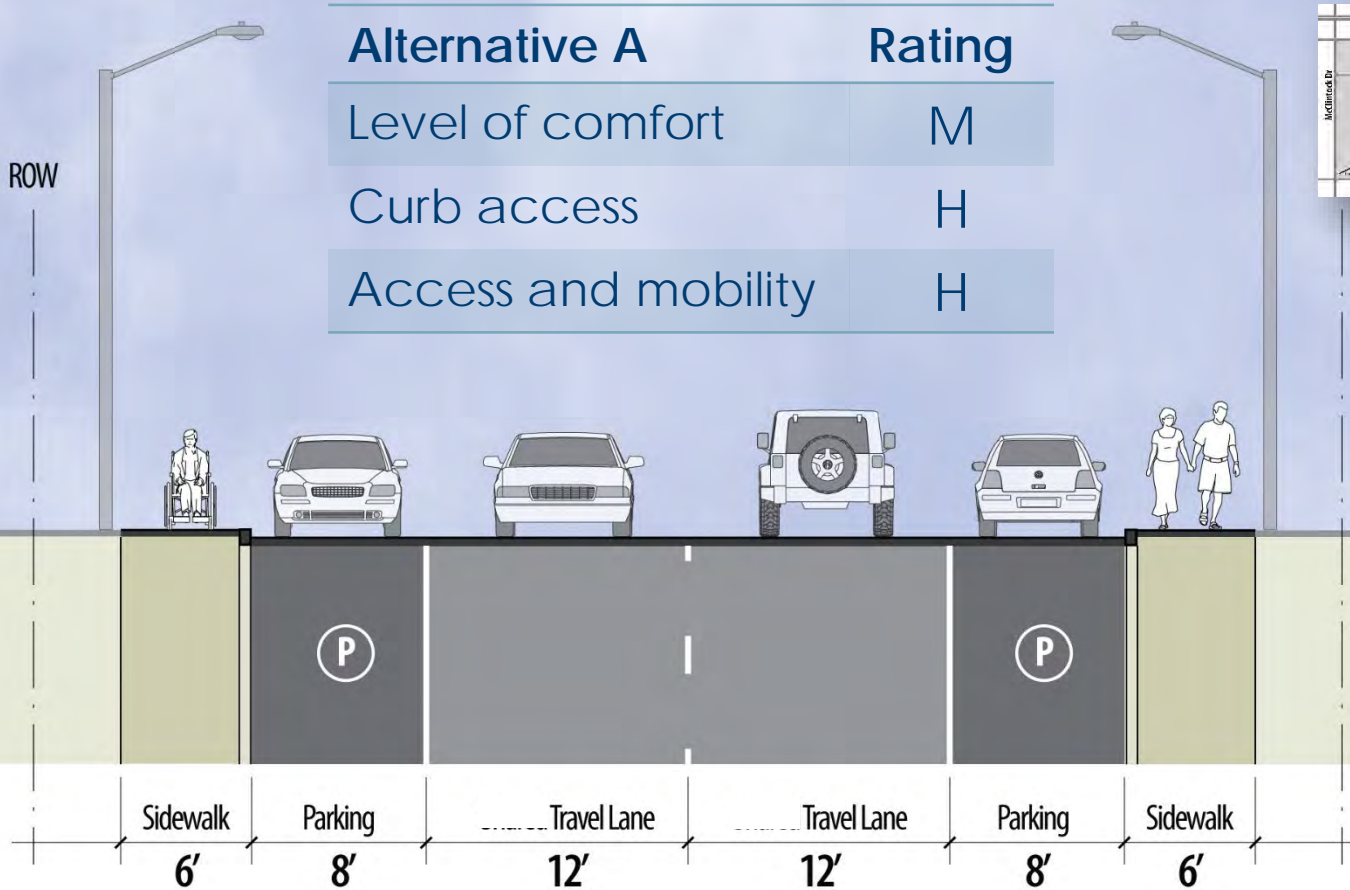


Proposed bioretention cell



Bioretention planter with curb cuts

Perry Lane (south of Fifth St)



Location map

Fifth Street



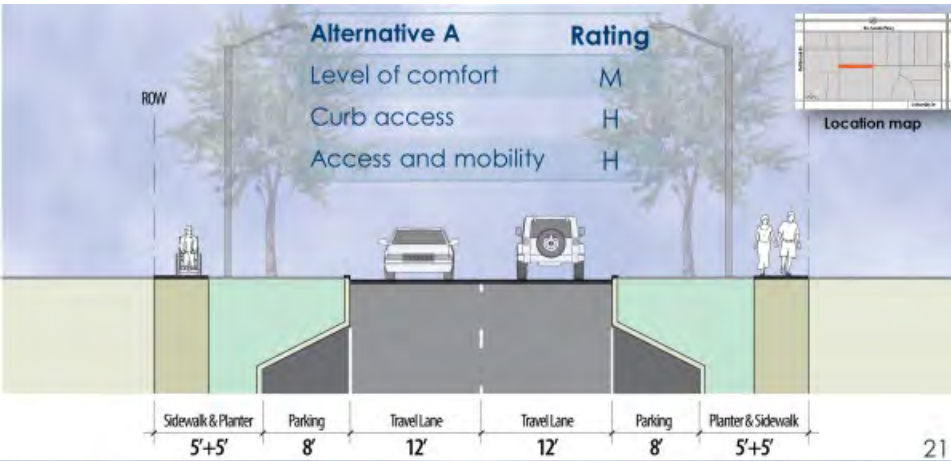
- Make sidewalk improvements (ADA)
- Maintain on-street parking



Photos, Fifth Street



Fifth Street (Perry to Smith)



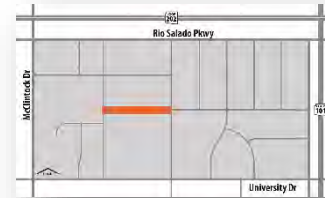
- Alternatives offer varying degrees of on-street parking
- Alternative A – includes detached sidewalks and Low-impact Development
- Alternative B – includes attached sidewalks

Fifth Street (Perry to Smith)



Meeting #1 – Survey Responses

- 56% of respondents preferred Alternative A with continuous curbside parking
- Respondents liked the additional landscaping offered with Alt B
- Recommendation is hybrid 'Alt C', with detached sidewalk and on-street parking

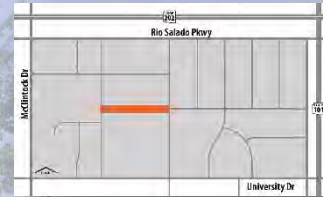
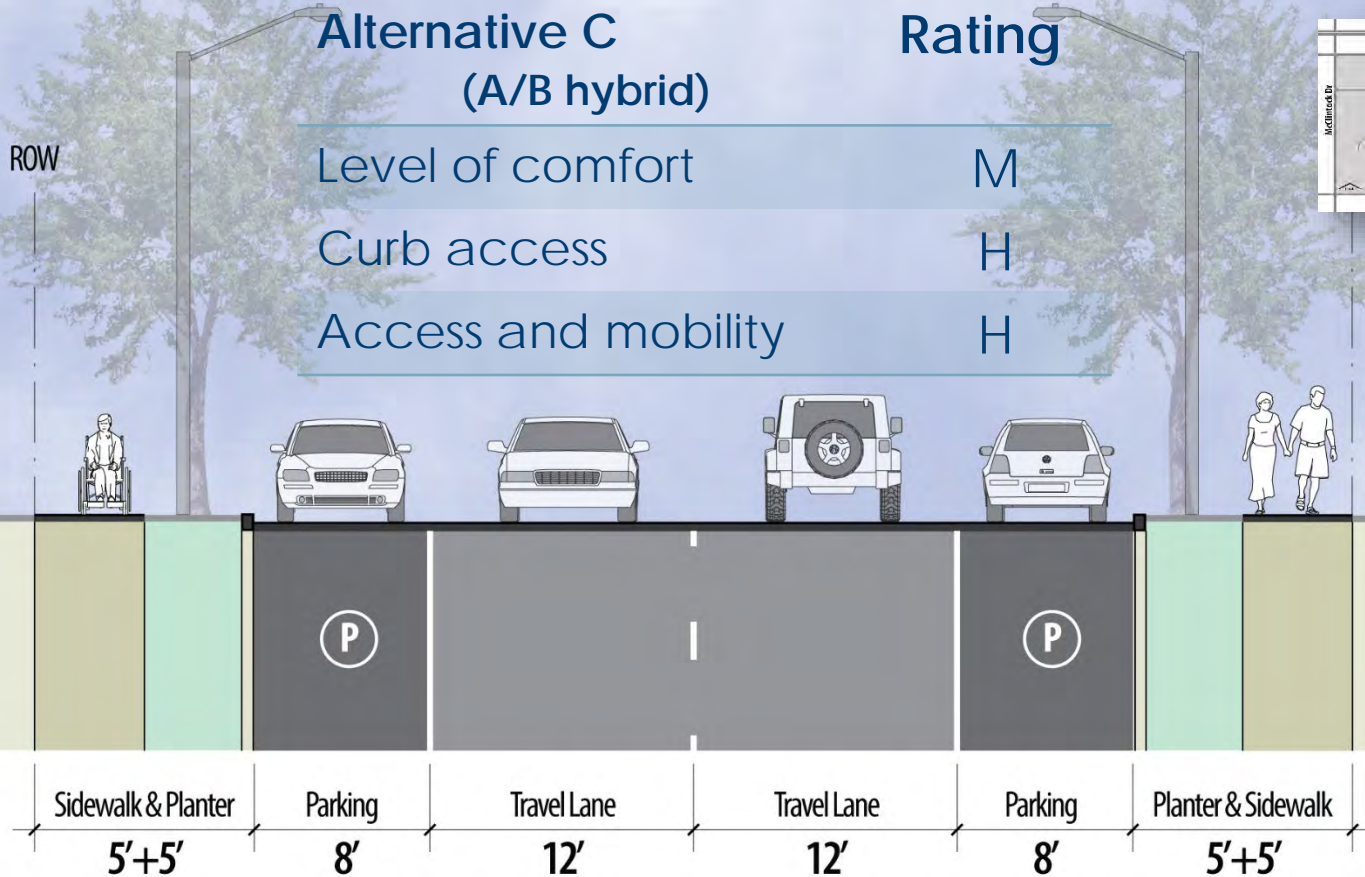


Location map

Note:

Excerpts from comments; all comments posted on project webpage.

Fifth Street (Perry to Smith)

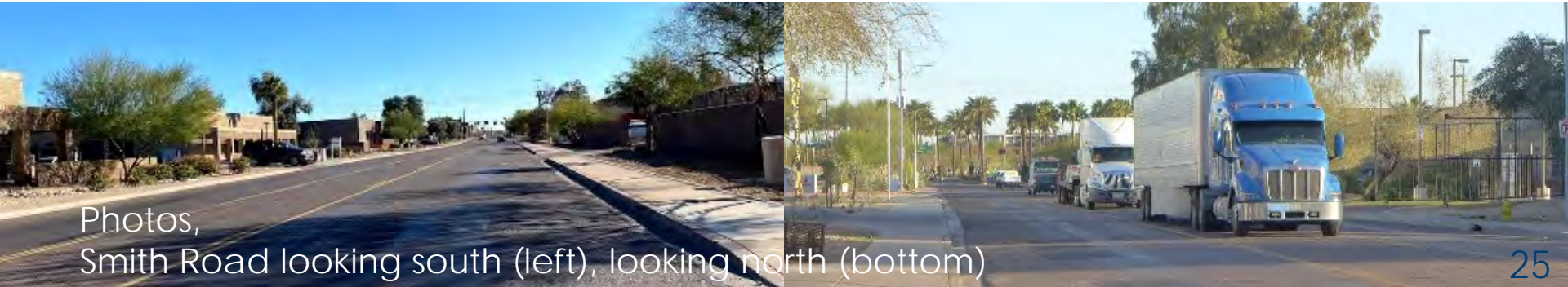


Location map

Smith Road

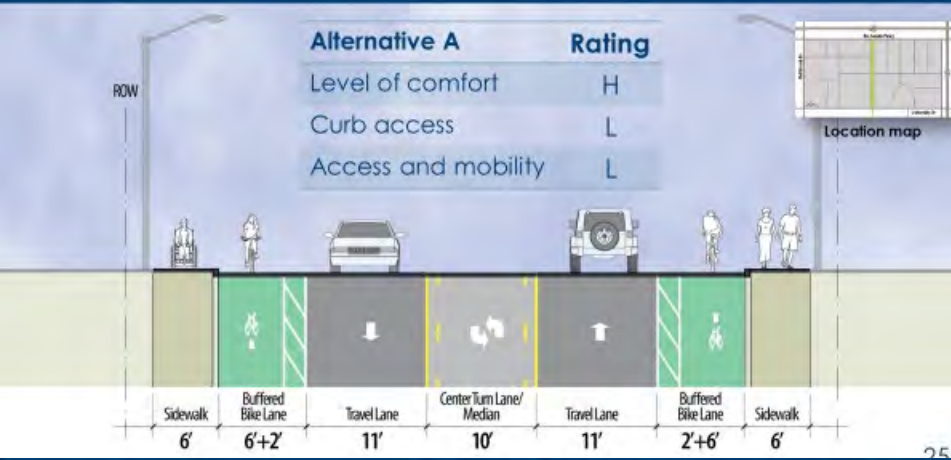


- Make sidewalk improvements (ADA)
- Add striping for protected bicycle lanes
- Improve bus stops with shelters and benches



Photos,
Smith Road looking south (left), looking north (bottom)

Smith Road



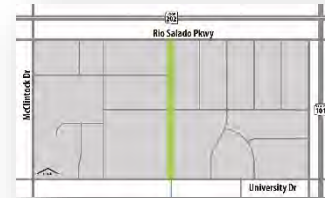
- Both Alternatives include bicycle lanes
- Alternative A – includes Two-way Left Turn Lane
- Alternative B – includes parking on one side of street

Smith Road



Meeting #1 – Survey Responses

- Alternative A with two-way left turn lane received majority approval (65%)
- Concerns regarding trucks and Two-way Left Turn Lane (TWLTL)
- Concerns with bicycles and safety with delivery trucks

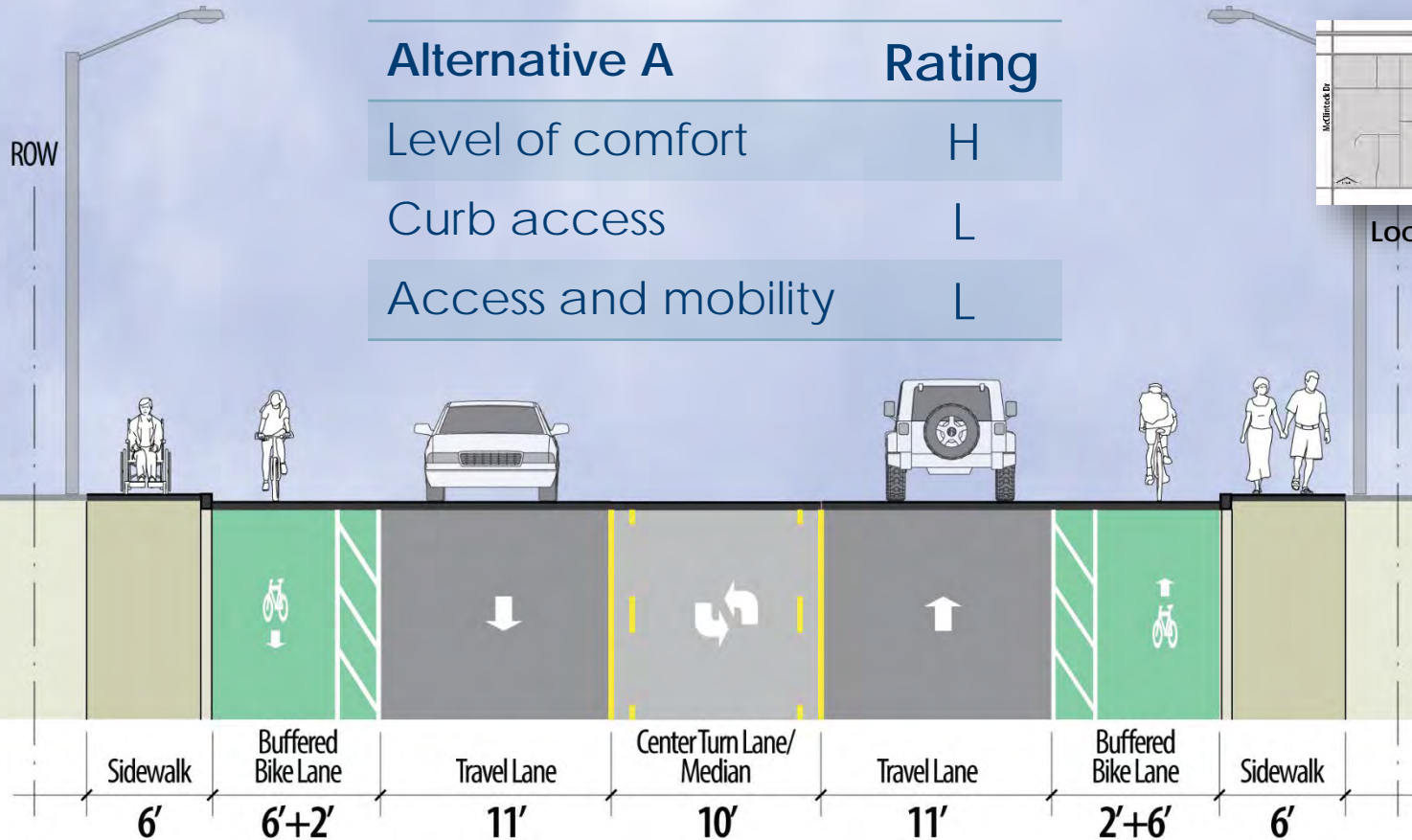


Location map

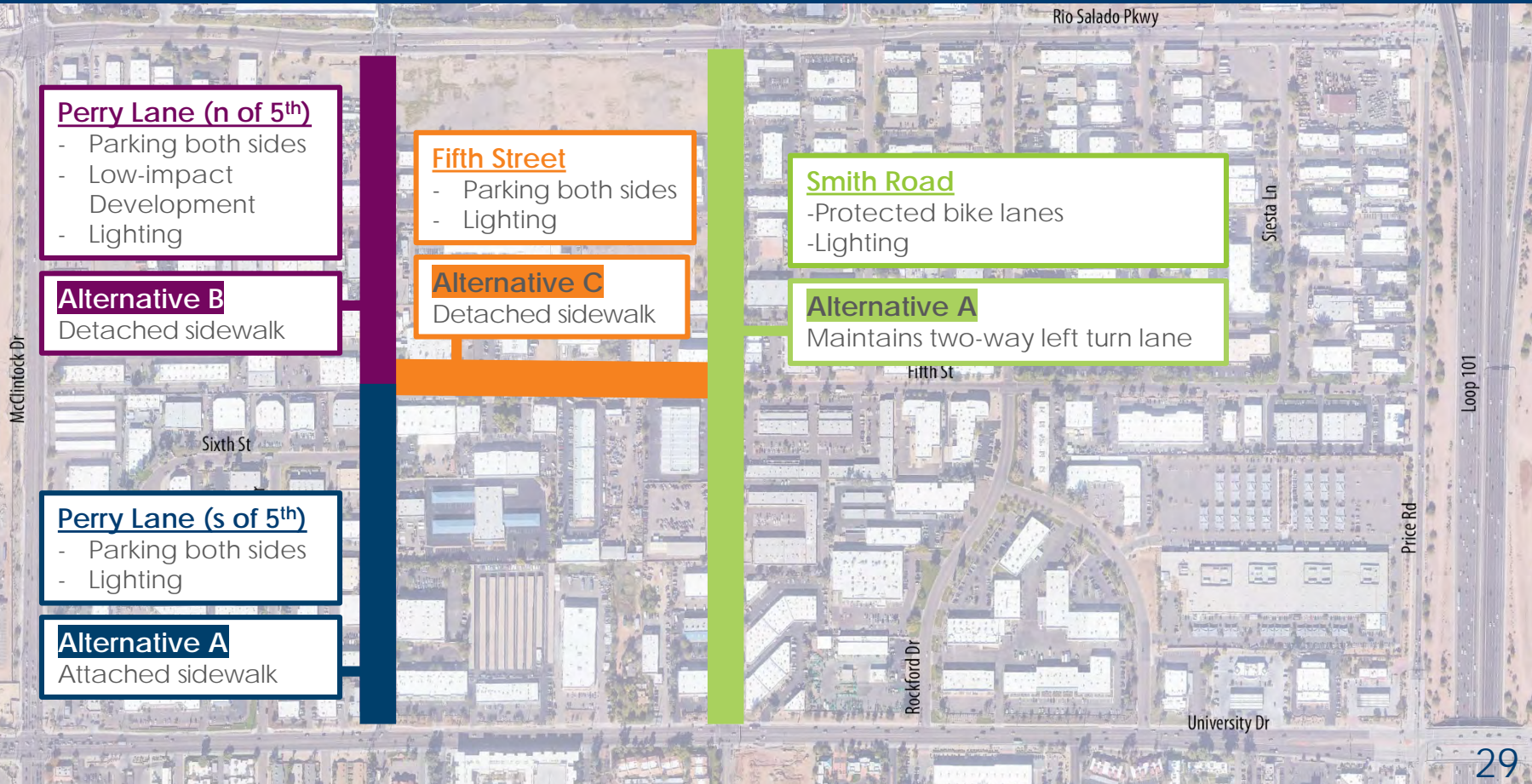
Note:

Excerpts from comments; all comments posted on project webpage.

Smith Road



Streetscape Summary



Perry Lane (n of 5th)

- Parking both sides
- Low-impact Development
- Lighting

Alternative B

Detached sidewalk

Fifth Street

- Parking both sides
- Lighting

Alternative C

Detached sidewalk

Smith Road

- Protected bike lanes
- Lighting

Alternative A

Maintains two-way left turn lane

Perry Lane (s of 5th)

- Parking both sides
- Lighting

Alternative A

Attached sidewalk



Photo,
South River Drive

Prioritize at

- Smith Road bicycle route
- Perry and Fifth pedestrian priority routes
- Recommended truck routes (proposed)

Lighting



Existing lights Proposed lights

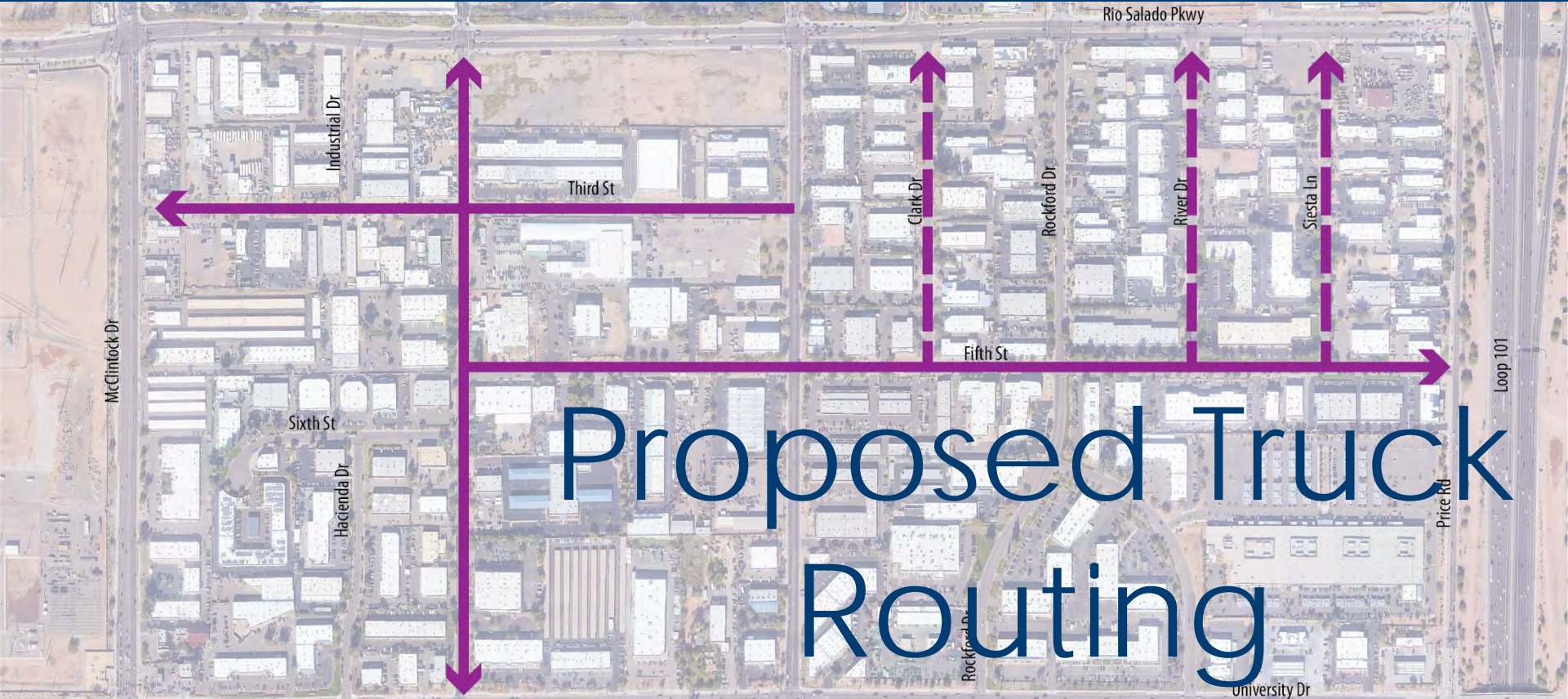


- Master Plan recommendations
- No significant capacity issues as a result of planned land uses
- Identified projects include upsizing pipes^a
 - 6-inch to 8-inch [2,200 linear feet, total]
 - 8-inch to 12-inch [6,000 linear feet, total]

Note:

a. These improvements are anticipated with new development.

Truck Traffic



Additional Identified Projects



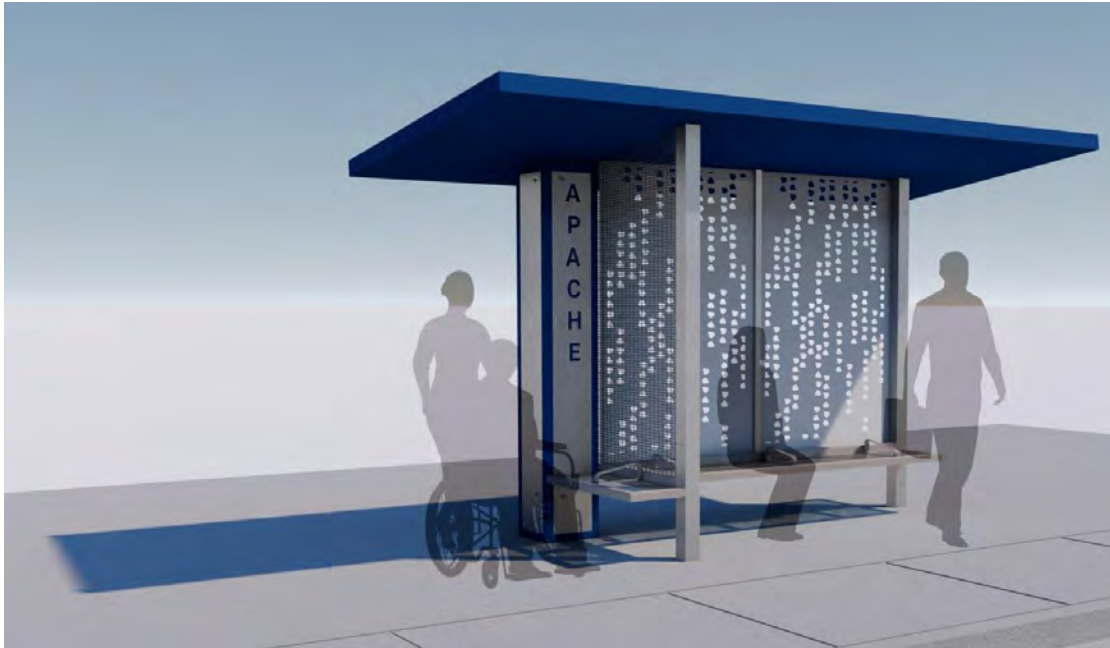
Tempe Transportation Plan (2015):

- Bike lane improvements at the Rio Salado Parkway and University Drive intersections with McClintock Drive
- Sidewalk improvements along east side of McClintock Drive south of Third Street



*Photos,
Rio Salado Parkway, looking east towards McClintock Drive (top)
University Drive, looking west towards McClintock Drive (bottom)*

Bus Shelters



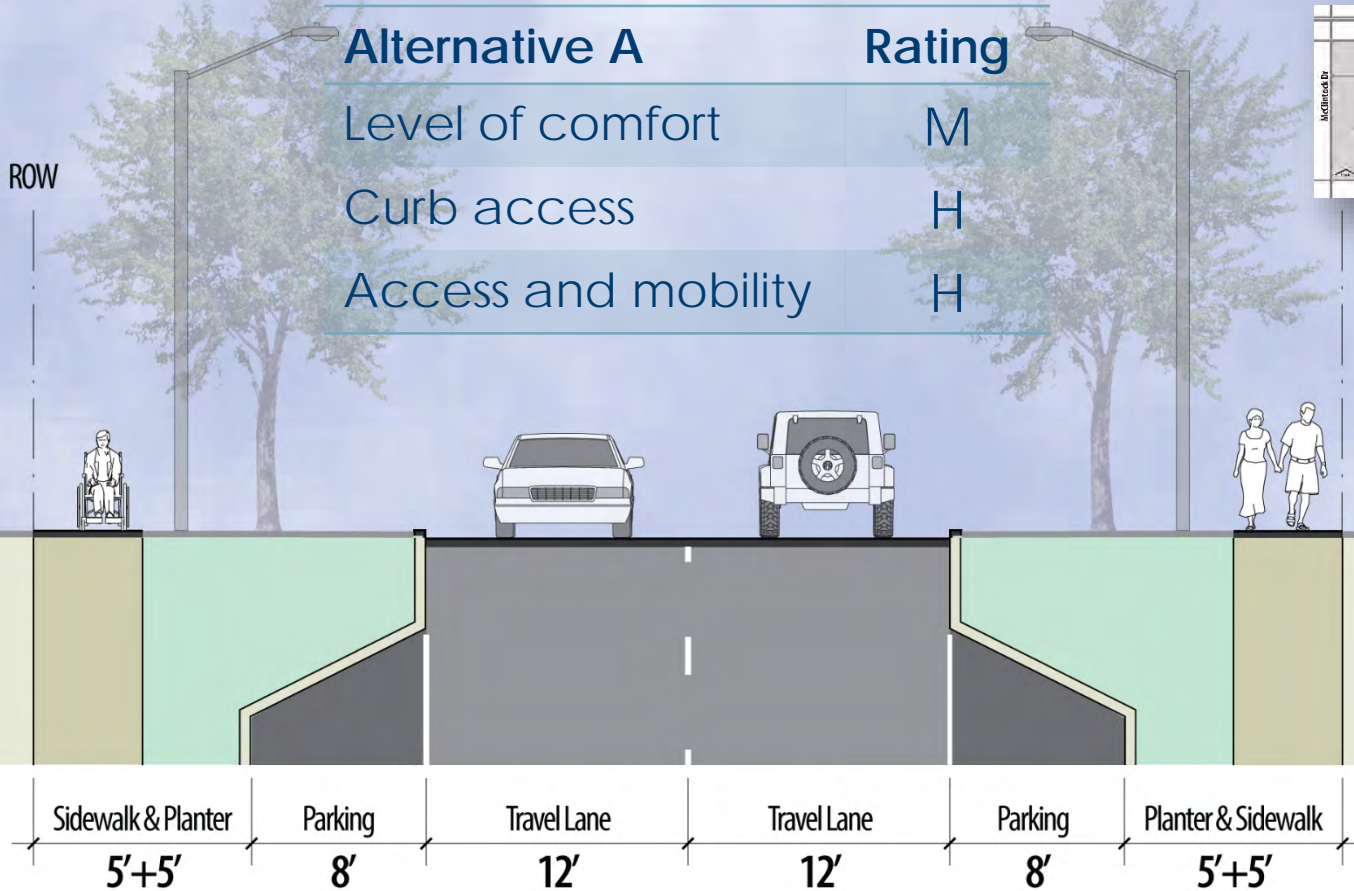
- Tempe Bus Route 62
- Install appropriate bus shelters and amenities at four stops on Smith Road

Tempe Transit Shelter (5' x 10', small shelter),
Designing Tempe's New Transit Shelters (2020).



- Planning horizon of 2040
- Actions may be implemented through:
 - Capital Investment Plan projects,
 - as opportunities arise, and
 - as part of redevelopment.

Perry Lane (south of Fifth St)



Alternative A

Rating

Level of comfort

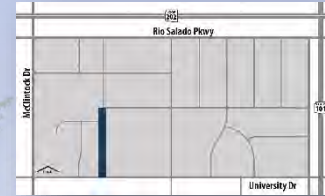
M

Curb access

H

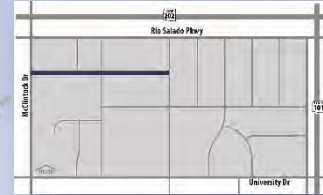
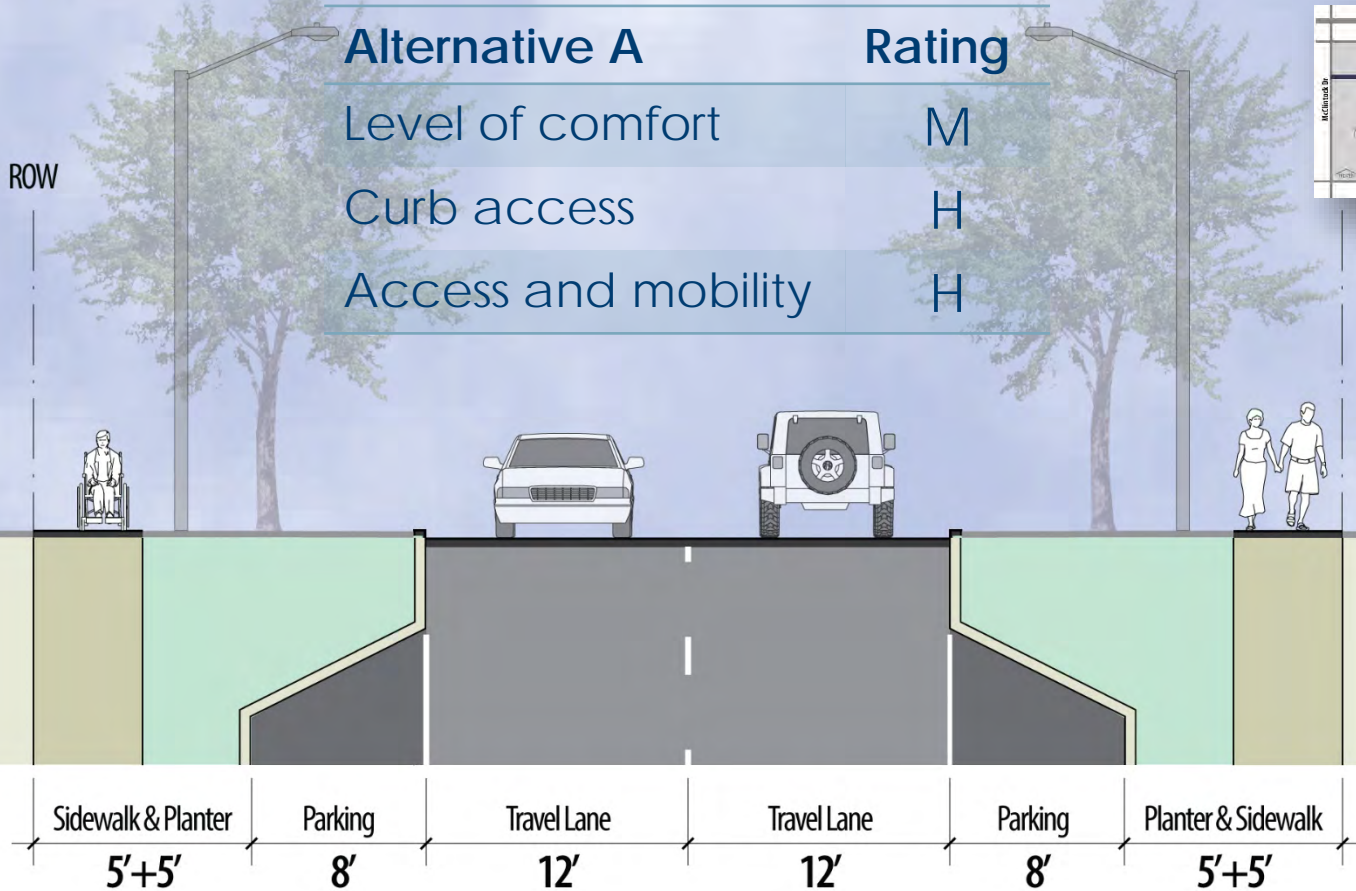
Access and mobility

H



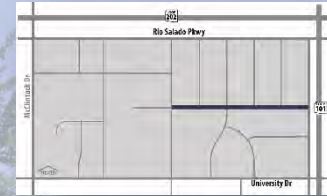
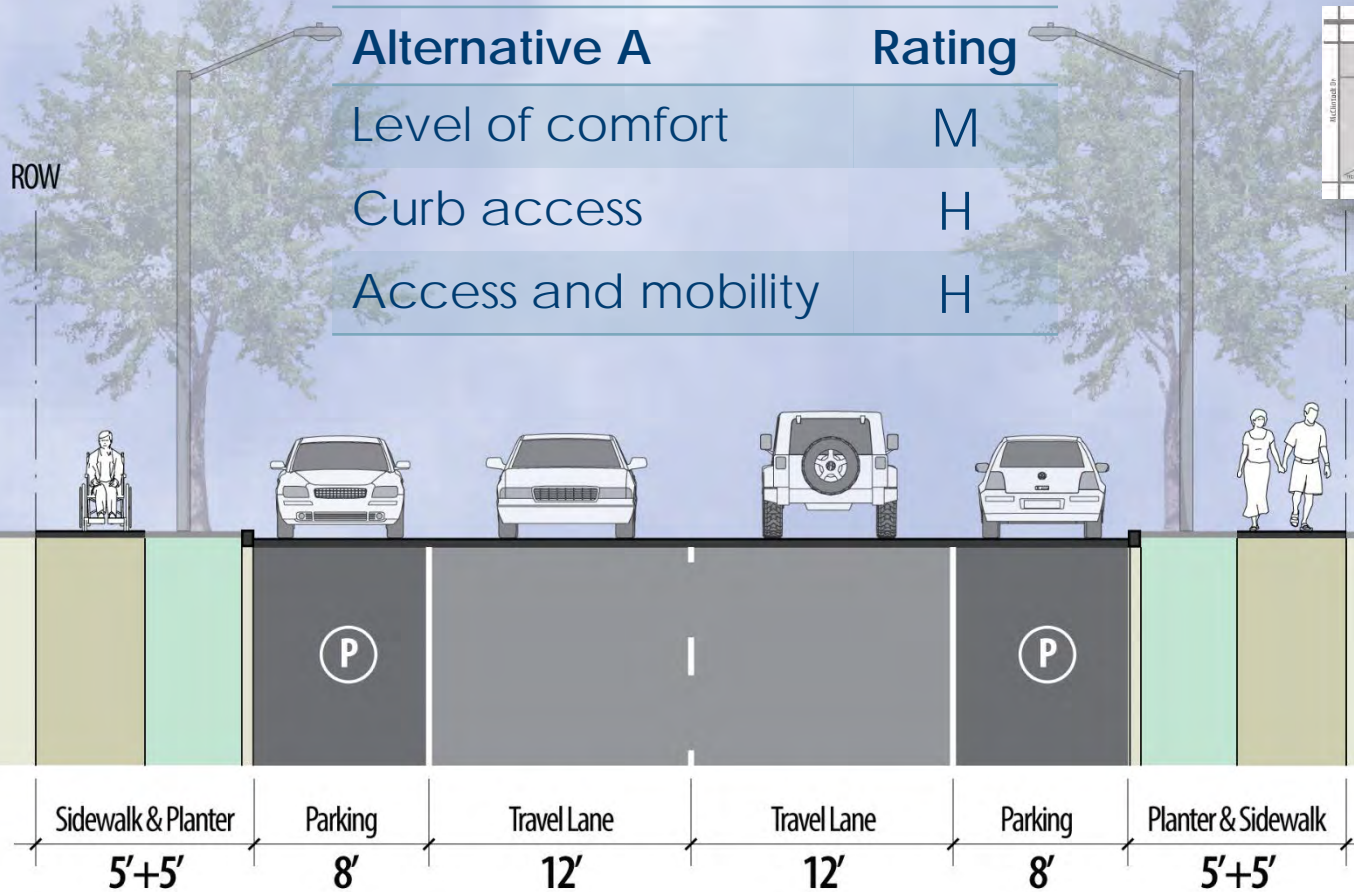
Location map

3rd Street (McClintock to Smith)



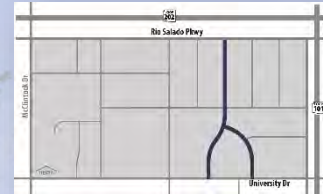
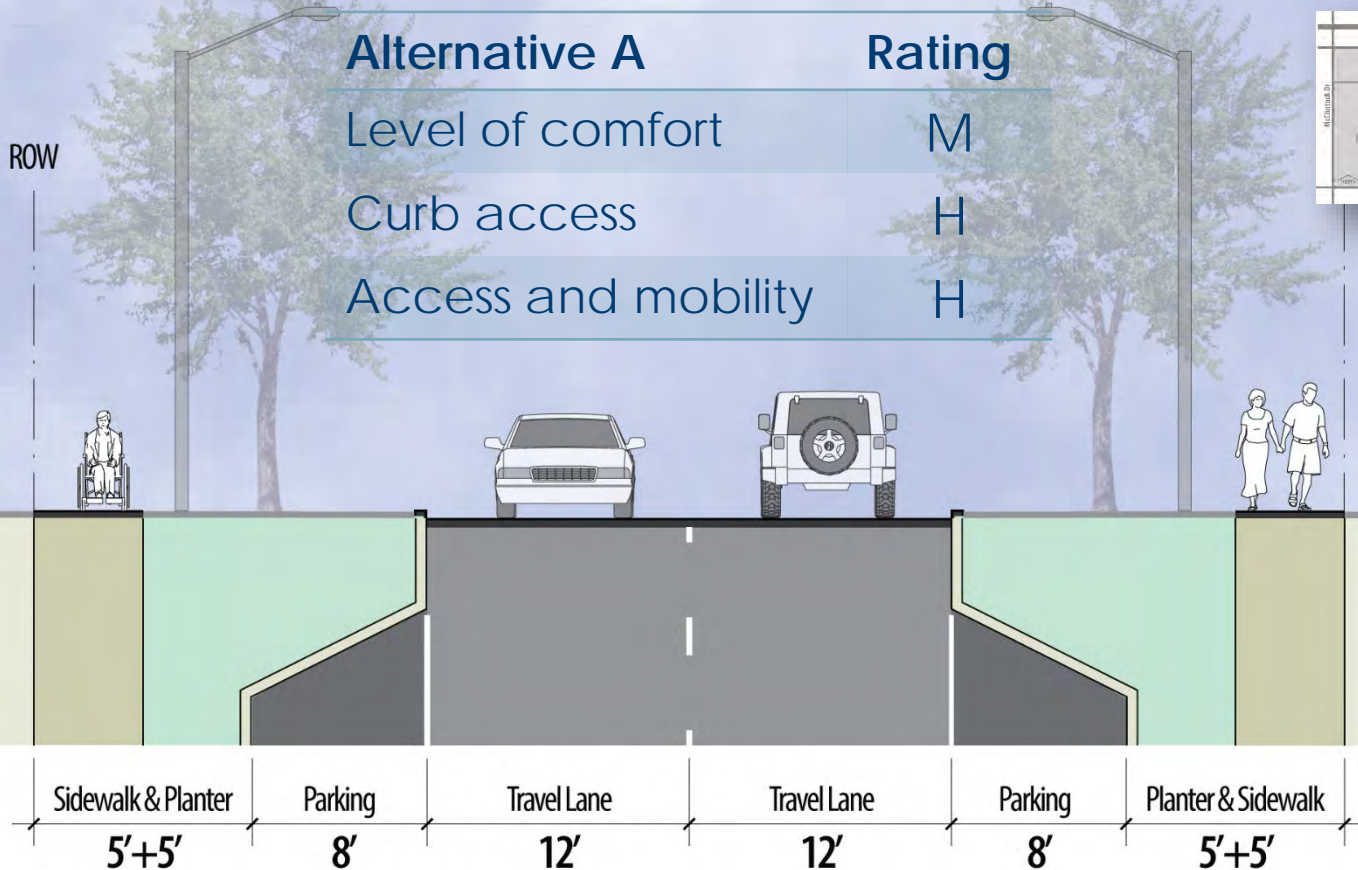
Location map

Fifth Street (Smith to Price)



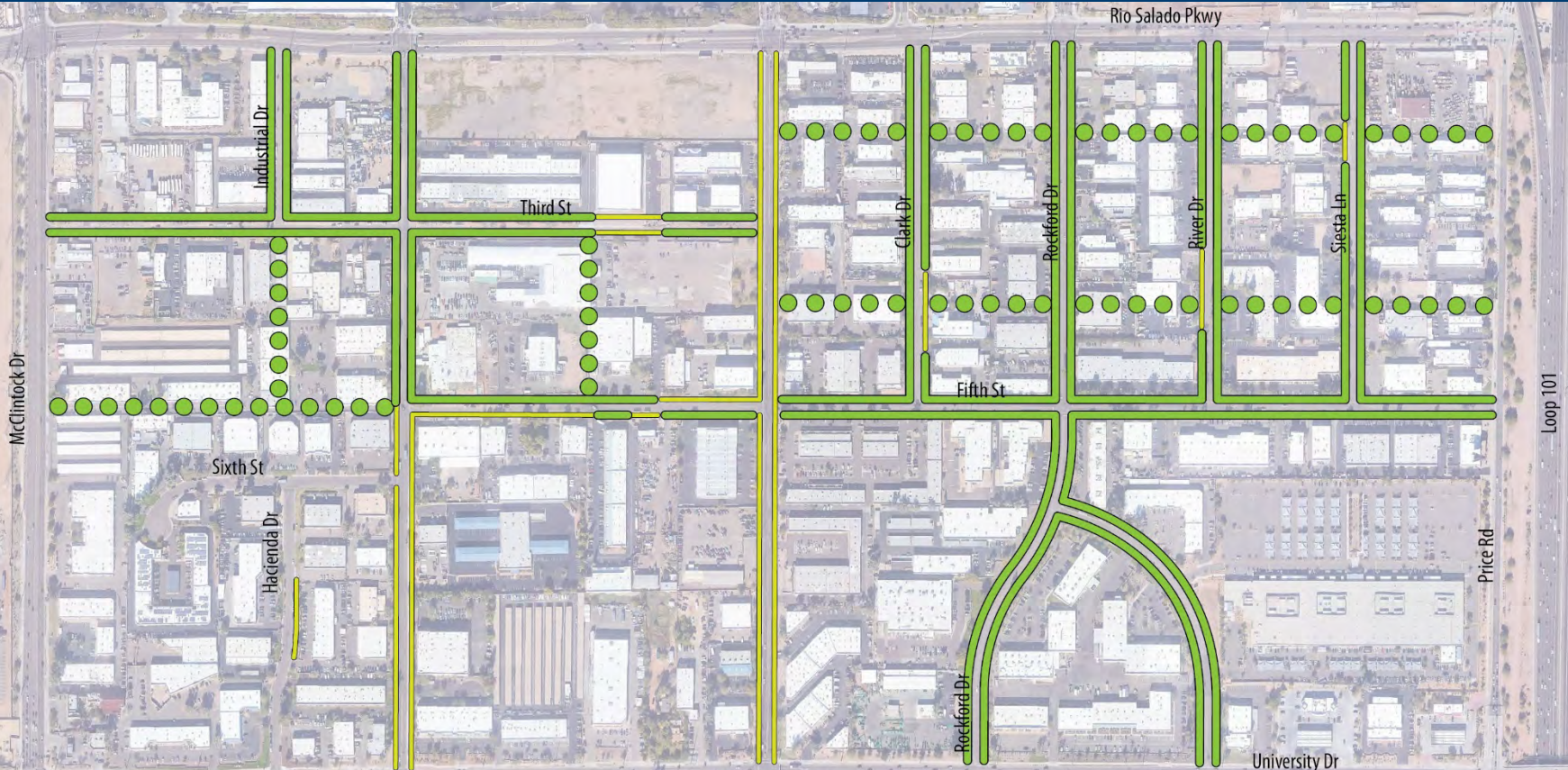
Location map

Rockford and River Drive



Location map

Ultimate Pedestrian Network

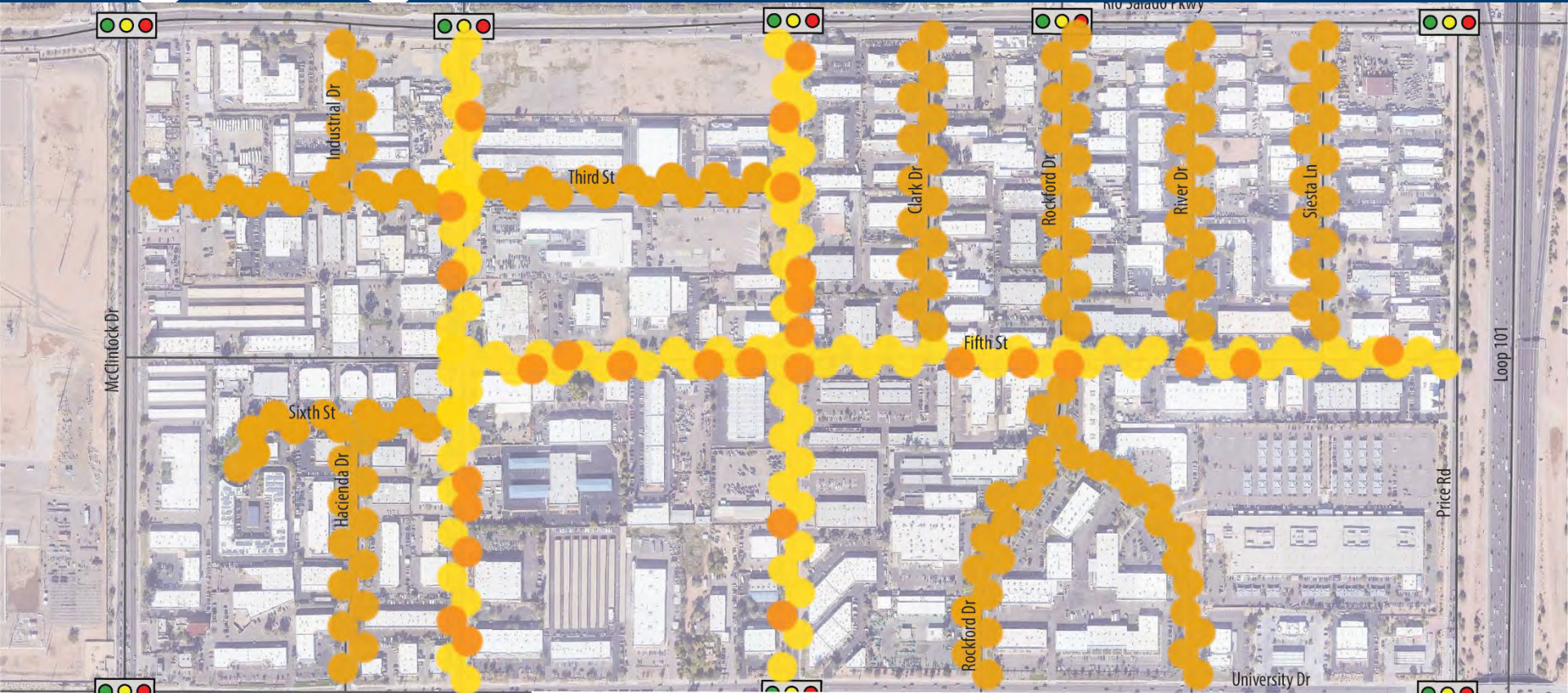


Existing sidewalk

Proposed sidewalk

Proposed pedestrian/bicycle connections

Lighting



- Existing lighting
- Short-term lights
- Long-term lights



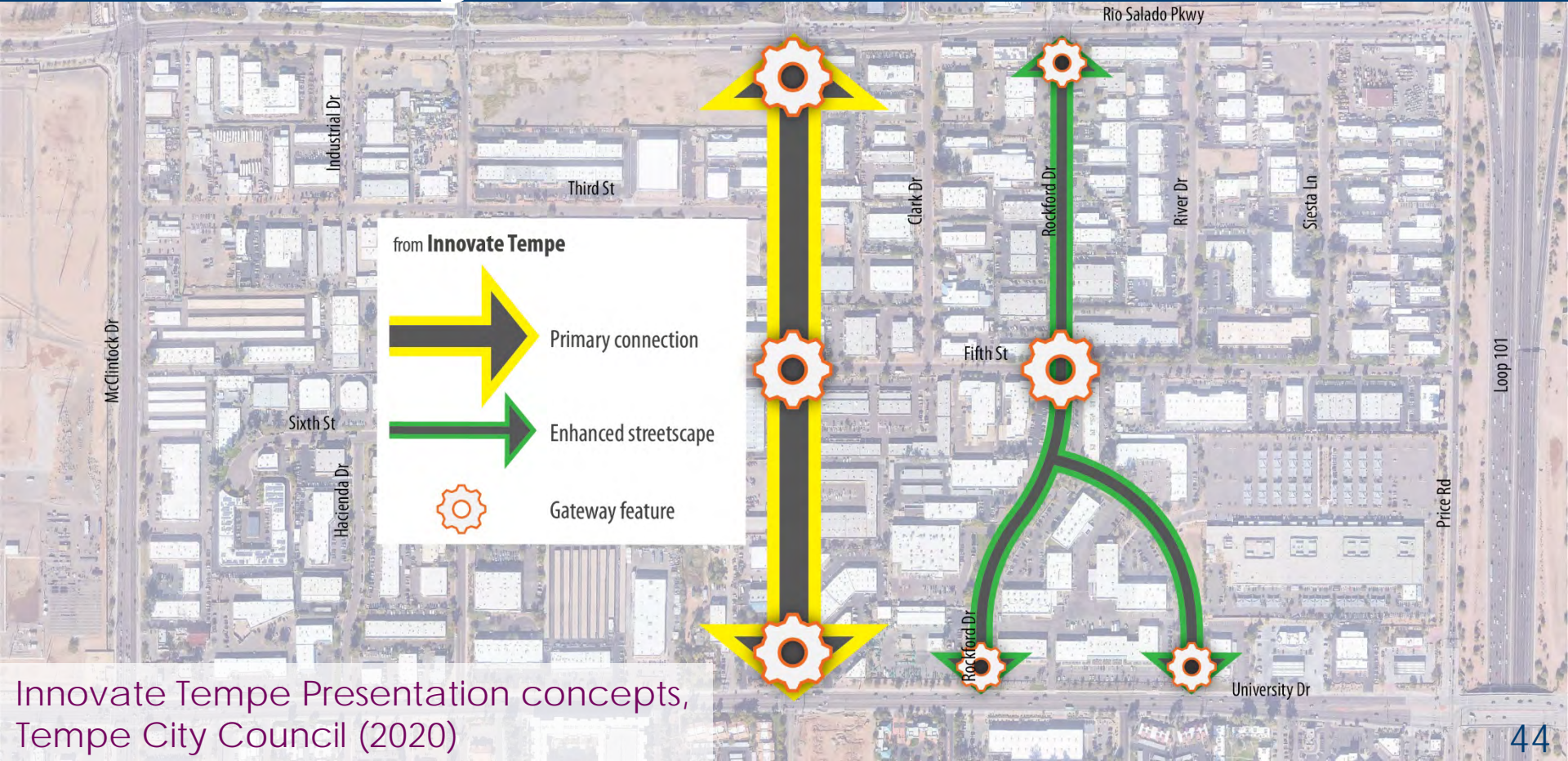
Aspects to Help Build an Identity – Survey Responses (ranked by importance)

1. Gateway Entrances
2. Public Art
3. Branding
4. Design Standards

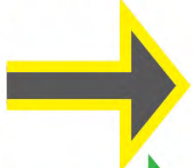


Notes:

Above are the top four (also noted were [5] 'Other' and [6] 'Business Association').

Gateway Entrances



from **Innovate Tempe**

-  Primary connection
-  Enhanced streetscape
-  Gateway feature

Innovate Tempe Presentation concepts,
Tempe City Council (2020)



Public meeting #2 comment form:

- Provide input on information presented today
- Visit tempe.gov/SmithHub to comment



- Prepare the Smith Innovation Hub Infrastructure Master Plan with a finalized list of prioritized projects and cost estimates for supporting both short- and long-term planning for the area
- Final plan presented to City Council – Sept/Oct 2021

Questions?

Project Contacts



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Visit tempe.gov/SmithHub to take the survey!