



PUBLIC MEETING AGENDA Transportation Commission

MEETING DATE

Tuesday, November 14, 2023 from 7:30 to 9 a.m.

MEETING LOCATIONS

WebEx

<https://tempe.webex.com/tempe/j.php?MTID=m329b69bcc8b188308fb759efdd857216>

Join by phone +1-408-418-9388 United States Toll

Access code: 2496 054 5321 Webinar password: 2TqG85JpYmf

In Person

Tempe Transportation Center
Don Cassano Community Room
200 E. Fifth Street, 2nd floor
Tempe, Arizona, 85281

| AGENDA ITEM | PRESENTER | ACTION or INFORMATION |
|--|---|-----------------------|
| 1. Public Appearances The Transportation Commission welcomes public comment for items listed on this agenda. There is a three-minute time limit per citizen. | Amanda Nelson, Commission Chair | Information |
| 2. Approval of Meeting Minutes The Commission will be asked to review and approve meeting minutes from the October 10, 2023 meeting. | Amanda Nelson, Commission Chair | Action |
| 3. Mill Avenue Streetscape Project Staff will provide the Commission with design alternatives for the Mill Avenue Streetscape Project. | Shelly Seyler, Engineering and Transportation Department, Eric Iwersen, Sustainability & Resilience Department | Information |
| 4. Pavement Quality Index Staff will make a presentation about Tempe's pavement management program. | Ed Bond and Isaac Chavira, Engineering and Transportation Department | Information |
| 5. Department & Regional Transportation Updates Staff and commission members will provide information on relevant meetings and events. | Engineering & Transportation Department Staff and Transportation Commissioners | Information |
| 6. Future Agenda Items Commission may request future agenda items. | Amanda Nelson, Commission Chair | Information |

According to the Arizona Open Meeting Law, the Transportation Commission may only discuss matters listed on the agenda. The city of Tempe endeavors to make all public meetings accessible to persons with disabilities. With 48 hours advance notice, special assistance is available at public meetings for sight and/or hearing-impaired persons. Please call 350-4311 (voice) or for Relay Users: 711 to request an accommodation to participate in a public meeting.



Minutes City of Tempe Meeting of the Transportation Commission October 10, 2023

Minutes of the meeting of Tempe Transportation Commission held on Tuesday, October 10, 2023 at 7:30 a.m. via Cisco Webex and at the Tempe Transportation Center located at 200 E. Fifth Street, Tempe AZ 85281.

(MEMBERS) Present:

Stevie Milne
Dawn Hocking
JC Porter
Paul Hubbell
James Dwyer
Susan Conklu
Amanda Nelson

Pam Goronkin
Brian Fellows
David King
David Sokolowski
Bobbie Cassano
Peter Schelstraete

(MEMBERS) Absent:

Alana Chavez Langdon
Robert Miller

City Staff Present:

Shelly Seyler, Interim Engineering & Transportation Director
Sue Taaffe, Senior Management Assistant
Cathy Hollow, City Traffic Engineer
Shauna Warner, Neighborhood Program Manager
Eric Iwersen, Sustainability and Resilience Director
TaiAnna Yee, Public Information Officer
German Piedrahita, Senior Civil Engineer

Bonnie Richardson, Principal Planner
Sam Stevenson, Transit Manager
Chase Walman, Principal Planner
Lindsay Post, Senior Transportation Planner
Keith Burke, Deputy City Manager
Mike Hayes, Lieutenant

Guests Present:

John Federico
David Chase

Mike James
Zach Lechner

Commission Chair Amanda Nelson called the meeting to order at 7:32 a.m.

Agenda Item 1 – Public Appearances

None

Agenda Item 2 – Minutes

Amanda Nelson introduced the minutes of the September 12, 2023 meeting of the Transportation Commission and asked for a motion for approval.

Motion: Commissioner Dawn Hocking
Second: Commissioner Bobbie Cassano

Decision: Approved by Commissioners
Stevie Milne
Dawn Hocking
JC Porter
Paul Hubbell
Susan Conklu

Pam Goronkin
Brian Fellows
David King
David Sokolowski
Bobbie Cassano

Abstained: Amanda Nelson and Peter Schelstraete

Agenda Item 3 – Annual Report

Shelly Seyler presented the 2023 Transportation Commission Annual Report including the 2024 Transportation Commission goals.

Discussion included meeting with other boards and commissions, transit lanes, bike bait program, transit satisfaction performance measure, and CIP budget update.

A motion was made for approval of the 2023 Annual Report while recognizing that staff will have to add the November and December attendance list to the report prior to sending it to the City Clerk.

Motion: Commissioner Bobbie Cassano
Second: Commissioner Dawn Hocking

Decision: Approved by Commissioners

Stevie Milne
Dawn Hocking
JC Porter
Paul Hubbell
James Dwyer
Susan Conklu
Amanda Nelson

Pam Goronkin
Brian Fellows
David King
David Sokolowski
Bobbie Cassano
Peter Schelstraete

Agenda Item 4 – 8th Street Streetscape Project

Chase Walman and Zach Lechner presented information about the 8th Street Streetscape Project. Topics included:

- Overview
- Historical significance
- Pre-historic significance
- Archaeology findings
- Feature 7
- Imperative elements
- Refined design
- Next steps

Discussion included archeology, crosswalks, signage for Feature 7, Orbit and shade structures.

Agenda Item 5 – Department & Regional Transportation Updates

Brian Fellows updated the Commission on Phoenix's global mayoral challenge involving incorporating green storm water in transportation projects. Susan Conklu informed the Commission that Scottsdale's 68th Street Complete Street Project is finished.

Agenda Item 6 – Future Agenda Items

The following agenda topics were requested by Commissioners to be added to a future agenda:

- Road maintenance – Pavement Quality Index
- No right hand turns at red traffic signals
- Protected bike lanes
- Mill Avenue Streetscape
- Joint meetings with Sustainability Commission
- Dedicated bike lanes
- Bike Bait program

The following future agenda items have been previously identified by the Commission or staff:

- November 14
 1. Roundabouts – data on existing and future plans
 2. Western Canal (48th Street to I-10)
 3. Commission Business
- December 12 – Cancel?
- January 9
 1. Commission Business
 2. Scooter Corrals in Downtown
 3. All Pedestrian Phase Signal Mill Avenue and Fifth Street
 4. Alameda Drive Streetscape Project (before and after)
- February 13
 - Country Club Way Bike/Ped Bridge over
 - Prop 400 E
 - Traffic Bureau Update
 - Available public and ADA parking spaces in downtown
- March 12
 - Crime Prevention Through Environmental Design (CPTED)
 - TMA/TDM, Personal Delivery Devices
 - College and University Underpass Project
- April 9
 - Bike Hero
- May 14
- June 11
 - Transportation Master Plan & Transportation Equity
- July 9
- August 13

The next meeting is scheduled for November 14, 2023. The meeting was adjourned 8:35 a.m.

Prepared by: Sue Taaffe
Reviewed by: Shelly Seyler

MEMORANDUM



TO: Tempe Transportation Commission

FROM: Shelly Seyler, Interim Engineering and Transportation Director
Eric Iwersen, Sustainability and Resilience Director

DATE: November 14, 2023

SUBJECT: Mill Avenue Streetscape (University Drive to Rio Salado Parkway)

PURPOSE:

To provide the Council with an update on the downtown Mill Avenue Streetscape Project (University Drive to Rio Salado Parkway). The project continues to develop clear options for sidewalk and landscaping, coordinating with multiple departments/teams and outside agencies and partners.

RECOMMENDATION:

Guidance requested on options for tree selection.

CITY COUNCIL STRATEGIC PRIORITY AND RELATED PERFORMANCE MEASURE:

- 1.05 – Feeling of Safety in Your Neighborhood
- 3.14 – ADA Transition Plan
- 3.26 – 20 Minute City
- 4.11 – Tree Coverage
- 5.03 – Capital Investment

BACKGROUND INFORMATION:

The project launched in 2022 to develop a guiding concept. In recent months, more intense refinement of streetscape options have been developed with the consultant team, J2, and a project team. Staff continues to coordinate the project with other adjacent projects like the Fifth Street Project, downtown public restrooms, major special events and the streetcar to ensure design and function compatibility. Staff coordination includes collaboration with other Tempe staff teams and important downtown partners/stakeholders including:

Stakeholders:

Downtown Tempe Authority & Merchants/Businesses
Arizona State University
Tempe Tourism
Chamber of Commerce
Salt River Pima Maricopa Indian Community
Downtown Neighbors & Property Owners

Departments: Engineering and Transportation, Sustainability and Resilience, Community Development, Community Services.

Boards and Commissions: Arts & Culture Commission, Neighborhood Advisory Commission, Commission on Disability Concerns, Transportation Commission, Development Review Commission, Human Relations Commission, Historic Preservation Commission, Parks, Recreation, Golf and Double Butte Cemetery Advisory Board, Desert Conservation Commission, Mayor's Youth Advisory Commission.

Current status of the project and next steps:

- September 2022: Design concept report completed
- February 2023: Design team contracted
- March/April 2023: Survey field work
- May/June/July/August/September 2023: Stakeholder, public, boards and Commissions and City Council Input
- May/June/July 2023: Conceptual design refinements
- September 2023: City Council design approval of hardscape/sidewalk and tree concepts
- October 2023: 60% Design
- July 2023 - February 2024: Final engineering design
- February/March 2024: Construction

FISCAL IMPACT or IMPACT TO CURRENT RESOURCES:

- Preliminary Project Estimate = \$21.8M Total Cost
- Current Funding = \$10.2M = \$1.7M (FY22/23) + \$8.5M (FY23/24)
- Bond Election (November 2024)
- Future CIP Request: \$11.6M (\$5.8M in FY25/26 + \$5.8M in FY26/27)

ATTACHMENTS:

PowerPoint Presentation
Public Survey Summary

Downtown Streetscape Improvements Mill Avenue – Rio Salado to University

**Tempe Transportation Commission
November 14, 2023**



Council Priorities

- 1.05 – Feeling of Safety in Your Neighborhood
- 3.14 – ADA Transition Plan
- 3.26 – 20 Minute City
- 4.11 – Tree Coverage
- 5.03 – Capital Investment



Safe and Secure
Communities



Strong Community
Connections



Quality of Life



Sustainable Growth
and Development



Financial Stability
and Vitality

Agenda



- Project History, Overview and Schedule
- Tree Concepts
- Public Feedback Summary & Takeaways
- Staff Recommendations
- Timeline & Next Steps

Mill Avenue Refresh Project Purpose



- Infrastructure upgrades (electrical, irrigation etc.)
- Sidewalks & ADA improvements
- Sustainable practices (i.e. water harvesting)
- Tree canopy & plants
- Shade & seating
- Enhanced public space
- Celebrate history, arts, culture

Stakeholders & Staff Team



Stakeholders

- Downtown Tempe Authority & Merchants/Businesses
- Arizona State University
- Tempe Tourism
- Chamber of Commerce
- Salt River Pima Maricopa Indian Community
- Downtown Neighbors & Property Owners

Departments:

Engineering and Transportation, Sustainability and Resilience, Community Development, Community Services.

Boards and Commissions:

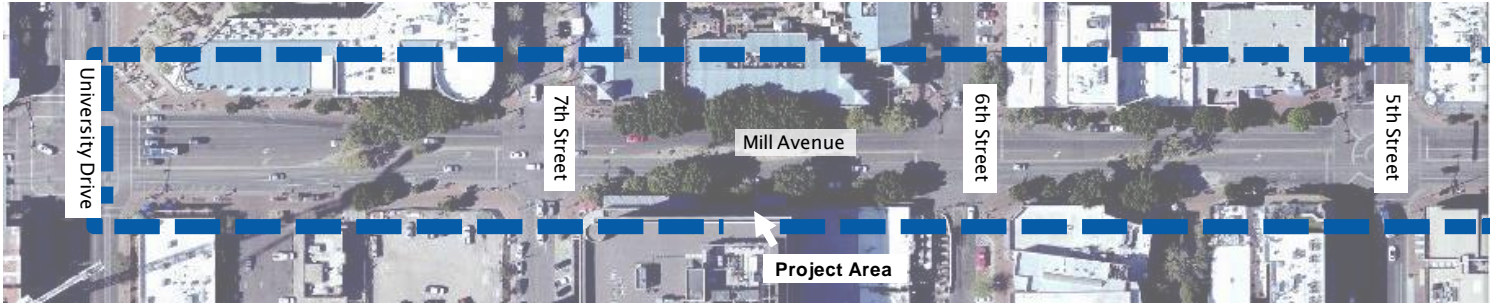
Arts & Culture Commission, Neighborhood Advisory Commission, Commission on Disability Concerns, Transportation Commission, Development Review Commission, Human Relations Commission, Historic Preservation Commission, Parks, Recreation, Golf and Double Butte Cemetery Advisory Board, Desert Conservation Commission, Mayor's Youth Advisory Commission

Schedule Overview

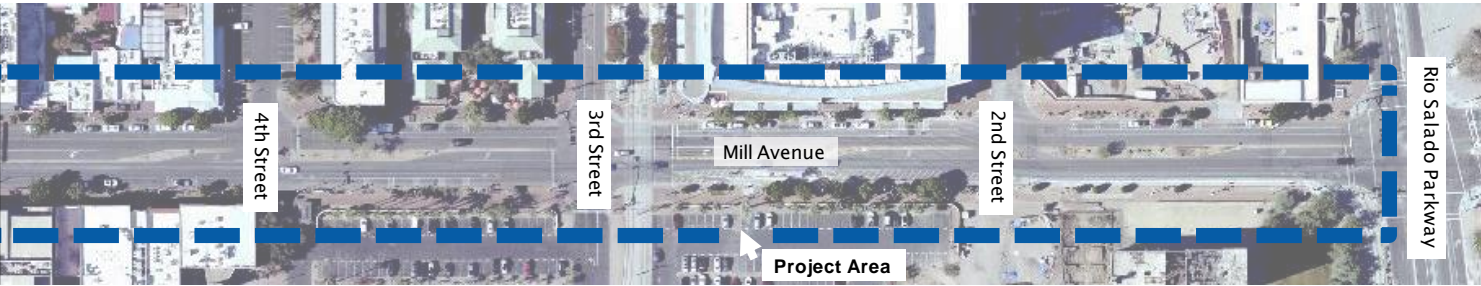


- Sept. 2022: Design Concept Report Completed
- Feb. 2023: Design Team Contracted
- March/April 2023: Survey Field Work
- May -Sept. 2023: Stakeholder, Public, and City Council Input
- June 2023: Council Direction
- May – Aug. 2023: Conceptual Design Refinements
- Sept 28, 2023: City Council Design Review
- Oct 19, 2023: City Council Design Review
- **Feb. 2024: Final Engineering Design (designing concurrent with public outreach to maximize efficiency/shorten timeline)**
- **March 2024: Construction begins**

Project Area



MATCHLINE - SEE BELOW LEFT

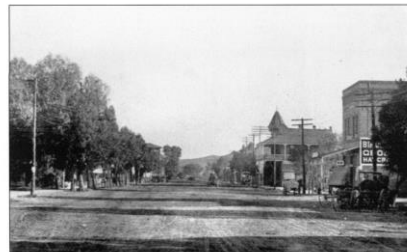


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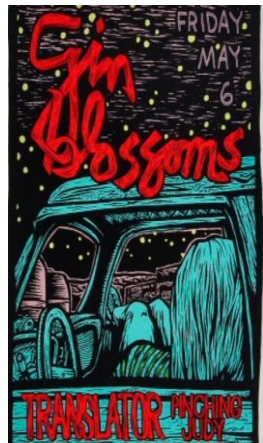


NORTH

Mill Avenue Reflects Tempe History, Culture & Story



This image is of Mill Avenue looking north. The structure at right is the Laid and Dines Drugstore building, a longtime Tempe business. (Courtesy of Arizona Historical Foundation, Arizona State University)



Preferred Sidewalk Concept / Council Direction 9-28-2023



Preferred Sidewalk Concept



Preferred Sidewalk Concept



Low Water use Plants in Rights-of-Ways



- Letter from Arizona Department of Water Resources (ADWR) – Phoenix Active Management Fourth Management Plan (4MP)
 - Groundwater can only be used for purposes of watering in any public only right-of-way, only if plants are listed in ADWR's Low Water Use/Drought Tolerant Plant List (LWUPL)
 - Ficus specifically not permitted with ADWR plant list

Ficus Summer 2023



- Ficus fungus
- Extreme Heat
- Failing Irrigation
- 17 trees recently removed
- 50+ total missing
- 155 trees total on Mill Ave



Proposed Street Trees Concept 1



Primary Street Trees

Ficus nitida - Indian Laurel
(50%)



Tipuana tipu - Tipu
(50%)



Median/Accent Street Trees

Eucalyptus papuana - Ghost Gum



Pistacia lentiscus - Mastic Tree



Proposed Street Trees Concept 2



Primary Street Tree (70%)

Ficus nitida - Indian Laurel



Secondary Street Tree (30%)

Tipuana tipu – Tipu



Median/Accent Street Trees

Eucalyptus papuana - Ghost Gum



Olea europaea 'Swan Hill' - Fruitless Olive



Tipuana tipu - Tipu



Eucalyptus papuana – Ghost Gum



Olea europaea 'Swan Hill' - Fruitless Olive



Pistacia lentiscus – Mastic Tree



Pistacia 'Red Push' – Red Push Pistache / Proposed





- Phase out ficus as trees need to be removed
- Integrate Tipuana, Papuana, Fruitless Olive, Mastic, and Pistache into streetscape
- Create a layout for street, a design rhythm using all 5 species
- Open House review of concept final drawings/theme in December/January



Downtown Streetscape Project Public Input Summary August 2023

Contents

- I. Background
- II. Outreach
- III. Survey Results
- IV. Emails

I. Background

Mill Avenue is an historic destination and has been named one of America's best streets. Investing in our community and maintaining our assets is a top priority for the City of Tempe. Keeping our downtown attractive, welcoming and full of fun is vital to tourism, economic development and our community's youthful atmosphere. The Downtown Streetscape Improvement Project is a design, placemaking and construction effort that focuses on developing a revitalized Mill Avenue corridor in the City of Tempe. The area of focus is between University Drive and Rio Salado Parkway along the Mill Avenue streetscape.

Three public meetings were held for the Downtown Streetscape Project during the month of August:

- Aug. 7 from 4 to 5 p.m. at the Tempe Transportation Center
- Aug. 9 from 12 to 1 p.m. on Zoom – recorded video placed online with 332 views
- Aug. 9 from 6 to 7 p.m. at the Tempe Public Library

Additionally, a survey was available online at tempe.gov/Forum from July 12 through Aug. 31, 2023, to gather feedback on the proposed concepts. This survey received a total of 392 visitors and 253 responses.

II. Outreach

Several methods were used to provide information to the public and stakeholders regarding the project, meeting and opportunities for input.

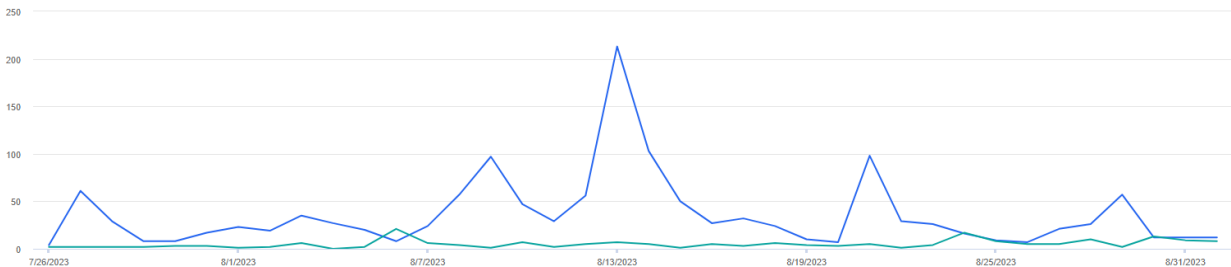
Outreach for the Downtown Streetscape Project ensures that the refresh of Mill Ave aligns with the community's wants and needs. The additional outreach outside of the Tempe Forum allowed for the direct input from the community.

Project Webpage

The project [webpage](#) was updated continuously and included information about the project, the date and access information for the public meeting and online comment information.

Top Sources:

- Direct
- Search engines
- Social media
- FOX10
- Mailchimp
- Spikes:
 - 8/9, 8/13, 8/21



Social Media, Eblasts and Press Release

Click on hyperlinked dates to read comments on posts



- [7/27](#) – public meeting
Reach/Impressions: 2847 | Engagement: 436
- [8/17](#) – public input reminder
Reach/Impressions: 5611 | Engagement: 1662
- [8/27](#) – public input reminder
Reach/Impressions: 1669 | Engagement: 97
- 8/27 – public input reminder (STORY)
Reach/Impressions: 171 | Engagement: 7



- [7/27](#) – public meeting
Reach/Impressions: 3067 | Engagement: 126
- [8/9](#) – day-of meeting reminder
Reach/Impressions: 549 | Engagement: 12
- [8/17](#) – public input reminder
Reach/Impressions: 9080 | Engagement: 221
- [8/27](#) – public input reminder
Reach/Impressions: 1387 | Engagement: 34



- 8/27 – public input reminder (STORY)
Reach/Impressions: 409 | Engagement: 29



- [7/27](#) – public meeting
Reach/Impressions: 632 | Engagement: 1



- [7/27/23](#) – news release
4099 emails sent, 41.6% open rate, 4.1% click rate
- [8/14/23](#) – Tempe This Week
8636 emails sent, 38.5% open rate, 4.0% click rate
- [8/22/23](#) – Input reminder
4146 emails sent, 39.5% open rate, 4.1% click rate
- [8/28/23](#) – Tempe This Week
8676 emails sent, 38.1% open rate, 3.2% click rate

Downtown Tempe Authority

The Downtown Tempe Authority assisted with outreach to area businesses and merchants with the following:

- Project survey link presented at Tempe Business Roadshow on July 19, 2023
- Included project description and link to the survey in weekly merchant newsletter during month of August
- Distributed project flyers with survey QR code to street-level merchants and asked them to respond to survey and share with employees/staff
- Emailed project description and survey QR code to property managers of downtown office buildings, residential properties and hotels with ask to distribute to tenants, residents and employees via email and intranet
- Placed project boards on easels in downtown office building lobbies with directions to respond to survey via QR code

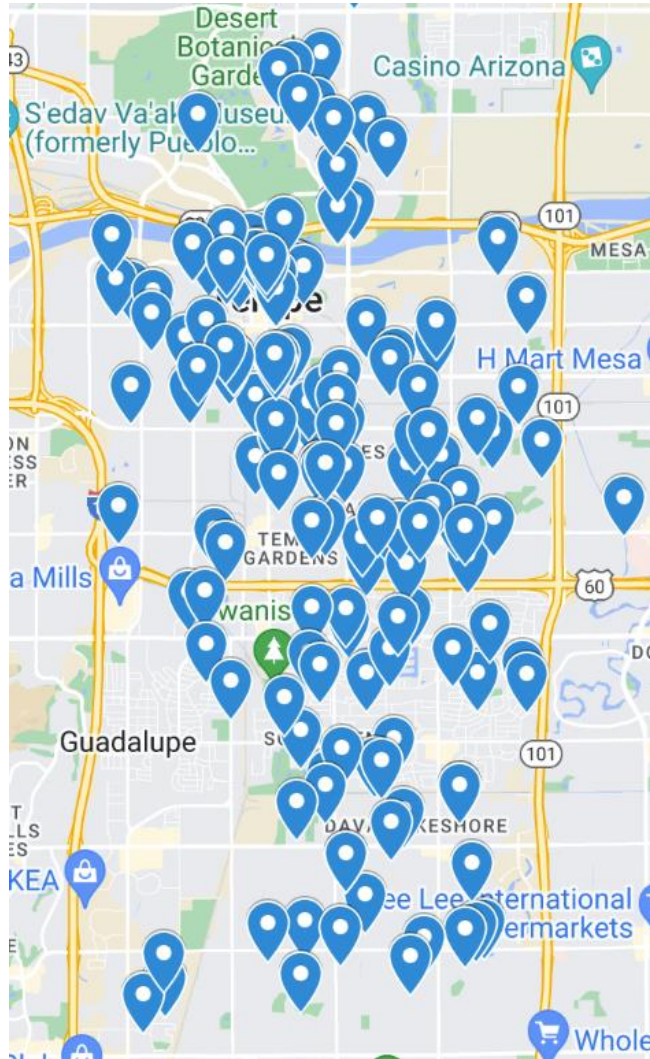
Emails

A notification email was sent to downtown area residents via their homeowners' association contacts, Tempe Forum subscribers, neighborhood contacts, and relevant Boards and Commissions inviting them to attend the meeting or to comment online.

III. Survey Results

The survey was available online at tempe.gov/Forum from July 12 through Aug. 31, 2023 to gather feedback on proposed hardscape and tree options for the Downtown Streetscape Project.

184 respondents provided an address with approximately 96% in Tempe.



1. Please rank your preference of hardscape options.

Overall ranking preference:

1. Concept 2
2. Concept 1
3. Concept 3

| | First Choice | Second Choice | Third Choice | Total |
|-----------|--------------|---------------|--------------|-------|
| Concept 1 | 94 | 40 | 66 | 200 |
| Concept 2 | 72 | 90 | 43 | 205 |
| Concept 3 | 61 | 72 | 55 | 188 |

Responses: 227

2. What do you like MOST about each option?

1. #1 very colorful #2 retained much of the salvaged brick as a historical element; nice clean look #3 did not like
2. #3 is simple and elegant. I say keep it simple whilst beautifying the cityscape.
3. #3 looks clean, somewhat minimalistic and seems like it will be cooler by reflecting some heat #2 the historic features, lighter pavers might reflect heat #1 interesting designs
4. 1- the flow of color 3. The design
5. 1. Historical Education. 2. COLORFUL APPEARANCE 3. SIMPLICITY
6. 1: Pretty floor design sets it apart from nearby roads 2: Solid brick is less likely to show wear and appear dirty 3: Unit pavers add some visual distinction
7. 1st option adds character and uniqueness that differentiates it from surrounding community downtowns. 1st option references history of Mill Ave while providing modern touches. 2nd option adds some character and clean lines to what exists now. 3rd option would be the same just cleaned up.
8. 3 is an updated look to the current 2 is essentially the same as the existing with new bricks 1 is the most creative
9. 3 represents Tempe better than the others.
10. 3. The bricks and pavers. 1. The wavy lines breaking up the visuals of the sidewalk to make it more interesting. 2. Not my favorite
11. A creative walking area. It will be important that Tempe keeps the sidewalks for walking ...please do not allow scooters to ruin it and the enjoyment of strolling downtown.
12. All mirror current and historical Mill Ave materials, though Concept 2 is the most similar. Concept 2 also has the most consistent pattern and use of materials when considering the use of wheeled transport down sidewalks (prior ASU longboarder here).
13. All of the concepts should reflect the historic character of downtown Tempe (concept 1 and 2 include something). The first concept also includes the concept of water which is an important component. The streetscapes should complement the history of the area, not detract from it.
14. Art and colors.

15. Art feature is appropriate for Mill even though the design felt busy
16. Artwork paving and salvaged brick to keep a clean uniform look that has been Tempe.
17. Brick, planter updates, expanded greenery
18. Can't say I like anything about any of the options. They are all brick, and look very much like an uninteresting subdivision. Kinda disappointing that all three concepts lack any kind of creativity or modern approach to the design of public spaces. Nothing innovative at all, which seems a shame when trying to revitalize Mill Ave.
19. Choices in color and material
20. Color and more variety in concepts one and two
21. colors
22. Concept 1 - colors Concept 2 - classic Concept 3 - not too plain or too busy
23. Concept 1 - has the most character and interest. Concept 3 - has the second most interest and is modern. Concept 2 - simple.
24. Concept 1 - Liked the lithocrete accent paving. Concept 2 - Really didn't much like it, so I don't have much good to say about it. Concept 3 - All in all, I liked Concept 3 the most. It looks nice without going overboard with different types of streetscape. It is simple but elegant. It is very good for the student area. I really did not like Concept 2.
25. Concept 1 and 2 both features possible artwork/history which will provide more engagement.
26. Concept 1 creatively leads people with flow down the otherwise straight-line street. Love the litho mosaic imaging.
27. Concept 1 is most interesting.
28. Concept 1 is playful
29. Concept 1 is the prettiest. Please make sure any transitions between brick types and individual bricks are even, as a wheelchair user this is currently a problem along stretches of Mill Ave.
30. Concept 1 is unique and has character. Concept 2 feels like mill ave concept 3 n/a
31. Concept 1 is unique for the valley. Concept 2 is is very reparable Concept 3 is artistic.
32. Concept 1 looks phenomenal and brings excitement
33. Concept 1 looks very colorful and fun. Really sells the excitement of Mill. Concept 2 looks clean and uniform, another good option. The brick is nice. Concept 3 looks like an upgrade from the existing surface.
34. Concept 1 provides the most visual appeal, I think, followed by concept 3 and concept 2. I like the lithomosaics in concepts 1 and 2. For all three options, I applaud the silva cell concept.
35. Concept 1 showed a lot of art and more color, design ad accents to the sidewalk Concept 2 shows simplicity Concept 3 shows simplicity but a bit of more design
36. concept 1 was colorful and vibrant while incorporating a historic aspect of how Tempe got to be the vibrant community it is now. I like Concept 2 for the historic element, but it was not as vibrant as #1. Concept 3 is ok, but nothing that really pops out. i like the opportunity to have art areas in downtown.

37. Concept 1: More "artistic", adds a unique effect, exciting Concept 2: Clean, will probably age well Concept 3: More conservatives than concept 1 but brings in more contrast than 2
38. Concept 1: Most interesting design, uses a variety of materials, incorporates city history Concept 3: 2nd most interesting design, uses some materials Concept 2: Incorporates city history, uses some materials
39. Concept 1: the esthetic design is desirable. Concept 2: extensive use of salvage brick is appreciated, especially if they are salvaged locally at low economic and carbon cost. Enjoy the bump outs for "extended living room", but in order to work needs to be protected physically from the road and its abrasive noise, under utilization will occur if it is not made more comfortable and inviting. Concept 3: Classical rhythm works nicely to guide people about where to congregate using the pavers.
40. Concept 1: The integrated artwork Concept 2: The integrated artwork, the simple design allows the diversity architecture within the buildings to be shown off. Concept 3: The simplicity of the design and colors complements the buildings.
41. Concept 2 - Not too busy on the eyes; extra art detail that I think Tempe can benefit from Concept 3 - clean "
42. Concept 2 has a nice flow to it and looks pleasing to the eye. The salvaged brick paving looks cooler in temperature than the concrete pavers. Like the look. Concept 3 seems not to have a flow but has a nice pattern.
43. Concept 2 improves on traditional improvements without over-powering it. Concept 3 would be a good alternative.
44. Concept 2 includes lithograph artwork capturing Tempe history and carries on the historic brick look that downtown Tempe is known for.
45. Concept 2 is just the right amount of design without becoming too busy.
46. Concept 2 is the best option because it restores the area while closely matching the aesthetic of what Mill Ave has looked like for decades. Concept 1 is great because it would bring back some much needed art and creative energy to the area. Tempe used to be known as a hotspot for art and music, but all of that culture has migrated to downtown Phoenix. Concept 3 is... different?
47. Concept 2 is the most timeless while honoring Tempe's history. Concept 3 is more utilitarian but is at least simple and maintainable.
48. Concept 2 is uniform and isn't busy. It's classic. Concept 1 is busy but modern. Concept 3 nothing.
49. concept 2 looks like it will stand the test of time best, it is not so busy as to compete with the businesses that are along Mill.
50. Concept 2 looks more classic and matches the architecture. Concept 3 would be fine if it is substantially cheaper.
51. Concept 2 maintains historical continuity and a relatively timeless design. Lithomosaic has potential to be significant feature that offers historical information that contributes awareness of our unique place in this unique corner of the United States.
52. Concept 2 preserves a characteristically excellent aspect of Mill Avenue. Classic red brick is part of the character of Mill Avenue. A classic "downtown" area like this is part of what drew me to Tempe.

53. Concept 2 provide uniform backdrop for other design elements without competing with them. It provides a uniform walking surface.
54. Concept 2: maintain the historical look and feel, also appears to be the most sustainable using salvaged brick. Concept 3: creates a little more visual appeal using primarily two different materials. Concept 1: The most vibrant.
55. Concept 3 brings a current popular design feel to the streetscape. It will be less distracting but feel comfortable. I think if Mill Ave wants to stay relevant as a downtown (because we all know we are losing to Roosevelt Row and downtown Mesa now) this design is a great start. Concept 2 keeps the same esthetic that we've known and loved for many years. It will be considered status quo but with improved water capture techniques.
56. Concept 3 is cost effective, neat and clean.
57. Concept 3 will give the street a basic make over with little though and consideration. Two would be nice as long as the Lithomosaic Artwork is going to show different perspectives of race and gender on the titles.
58. Concept 3: it has an adequately dynamic design that isn't too over the top and will age well. Concept 1: has unique features Concept 2: straight forward
59. Concept looks the best, it
60. Concept/Option 1 has cool refreshing design with blue colors to look like water. Concept 2 and 3 are just ok but 3 is better then 2 because it has 2 different colors as opposed to just 1 color for concept 2.
61. Concept1 - I like the flow and curved lines, mix of bricks and pavers. Concept3 - I prefer option1, but I like the mix of concrete unit pavers and salvaged/supplemented red brick mix.
62. Concepts 1 and 3 are interesting to look at. I like the lithomosaik artwork. I like concept 2 because the lighter color will keep the walkway cooler on hot days.
63. Corner bump outs for safety and artwork!
64. Each option was different that what is currently on mill. Also each incorporates art
65. Honors the historic look of the brick pavers iconic to traditional Mill Ave
66. Hopefully Concept 2 would be the least costly. Concept 1 is impressive but I would think most costly.
67. <https://www.youtube.com/watch?v=GIXNVnftaNs>
68. <https://www.youtube.com/watch?v=9OfBpQgLXUc>
69. I actually don't like any of them....we have spent untold millions on Mill Ave already
70. I am thinking of cost-effectiveness, does Mill Avenue REALLY need improvements? Taxpayers want to know there is more bang for their buck, I think Concept 1 has more potential for higher future upkeep. Not knowing initial cost outlay or upkeep - these are my choices - if in fact, a face lift is even necessary.
71. I appreciate the design of Option 1 the best. Capturing the city's history through the lithomosaic and using salvaged bricks. Option 1 has more flair than the other options. It stands out more. Keeping in mind that this all needs to be kept clean and maintained to keep it at it's best for years to come. Options 2 and 3 are fine, but Option 1 has more artistic appeal.
72. I did not like anything about each option. This will cost too much for the city to spend.

73. I don't like any of them really. I just want Mill to look historic and not like the big glass cubes.
74. I don't really like much to be honest and think the city is spending too much money on it.
75. I like Concept 1 color, design and non-linearity.
76. I like Concept 2 because it has the artistic/historical elements but isn't too busy. Concept 3 is nice and a clean design.
77. I like how concept 1 had lots of color. I like how each had salvaged brick as one of their options.
78. I like how simple Option 2 is. I also like incorporation of the salvaged bricks, bump-outs, and places for trees.
79. I like maintaining a majority of the brick but accenting it with the concrete is a nice touch.
80. I like option 1 because it is colorful and unique. There is no point in spending a metric buttload of money and what will certainly be an inconvenient amount of time in making just another regular corporate bland looking sidewalk.
81. I like that all three options will use salvaged brick from Mill Ave. I also like that the tree grates and street lights will remain in the same spot. Concept 1 - I like the flowing look and that it is quite different from the current look Mill Ave has. I also like the lithomosaic artwork.
82. I like that Concept 1 has the Lithomosaic Artwork Paving located in various places along the sidewalk. I like that Concept 2 and Concept 3 have a straight pattern of Brick and Concrete pavings.
83. I like that concept 2 retains the most existing brick pavers. The patina is nice, and lends the street a historic feel. I like concept 1, but worry the lithocrete will age poorly and look dated in the coming decades (much in the way turquoise and stereotypically southwest elements popular in the 80s and 90s immediately date a structure now). I really don't like concept 3. It sacrifices the vintage brick but for no artistic purpose, just grey concrete pavers.
84. I like that the second option will retain the red brick typical of Mill Ave, which contributes to its historic atmosphere. I grew up in Tempe, and I have always loved the atmosphere of Mill Avenue as it is with red brick and tall ficus trees.
85. I like the artistic rendition of Concept 1 with more colors and the Tempe history included. It is the most interesting to look at of the three concepts and I think the rendering looks nice. Concepts 2 and 3 feel a little more boring to me, although I do like the use of the bricks.
86. I like the artwork.
87. I like the blending of old pavers and new materials in Concept 3, also that the shaded areas under trees are the darker pavers. I think this makes better use of shade and light, reducing solar heat gain while providing contrasting colors. The winding path appearance of Concept 1 is nice now, but I don't think it will have the same appeal in 10, 20, or 30 years throughout its expected lifespan. That look may be in style now but I doubt it will have enough staying power to justify incorporating it into a city streetscape with an estimated 40 year life.
88. I like the brightness of the color contrast

89. I like the color and design of the first one, but the second one is similar to the original street.
90. I like the colors and the movement of the design, and the inclusion of the Lithomosaic art in Concept 1. Concept 3 offered a more subtle design which still had flow.
91. I like the concrete pavers in concepts 2 and 3.
92. I like the contrast of colors on 1 & 2
93. I like the curb bump out in all of them. I wish more of the street parking was converted into pedestrian space or seating. I like the classic feeling of the brick pavers from option 2, I like the lithomosaic from option 1, and nothing really from option 3.
94. I like the designs on concept 1 and lesser of 3 but I really worry about how quickly the designs and light colors will look dirty and dingy if not pressure washed regularly. Look at the roundabout on 6th street by the orchid house, it was mostly black with in weeks of being painted not it looks worse than the original surface.
95. I like the diversity of design and materials of option 1.
96. I like the increased tree cover and bump-outs that each option has.
97. I like the look and feel of option 2 the best. It seems like the best option for a refresh that also allows some new color and artwork to be part of the downtown area, bringing to life some of Tempe's history.
98. I like the more artsy element of Concept 1
99. I like the movement in the design over the others
100. I like the playful nature of the first choice.
101. I like the reusing of salvaged bricks, I feel that the bricks are representative of the culture of mill avenue. For concept 1, I like the color of the accent paving, it reflects the colorfulness of Tempe.
102. I like the salvaged brick because it gives the vintage, charming feel that Mill Ave is known for.
103. I like the salvaged brick the most. #1 had the most design element to it didn't seem as boring as the other two.
104. I like the simplicity of option 2, while still adding some nice artwork.
105. I like the simplicity of the 3rd design. The 2nd design is nice, but a little bland, and I think the 1st scheme looks cheesy and is not very sophisticated.
106. I like the use of color in the first option.
107. I like the use of the salvaged brick in all three options. I like the way the combination of the swirl and the lithocrete in Concept 1 the most - it is beautiful, artistic, and playful -- which feels very "Tempe"!
108. I like using the salvaged bricks to make the redesign better on the environment!
109. I liked the accent paving.
110. I liked the artwork
111. I liked the color design on Concept 1. I liked that Concept 2 has a lot of reclaimed materials
112. I liked the different use of materials.
113. I liked the uniformity of paving in 3 & 2. I do wish there was a way to insert the art lithographs in concept 3.
114. I love the artistic part of concept 1 I like the grey brick concept 2

115. I love the unique design of Concept 1, including the blue colored insert and waviness to the design; concept 2 is my second choice with the traditional brick look of Mill Ave.
116. I love the use of material besides concrete pavers
117. I prefer a clean design so it doesn't look dated in 10 years
118. I prefer a clean look and there are too many trip hazards with brick, especially repurposed salvage brick which led me to pick Option 3 as my first choice.
119. I prefer maintaining the traditional brick materials as much as possible, which informed my ranking.
120. I prefer the least cost and maintenance and re-use of existing materials. There needs to be a focus on highlighting our original founding Indigenous people. When I opened this survey and saw this man in the sidewalk concept, I got a little concerned. No more land acknowledgements, land back. If we can't give land back, then we need to give space. We need to ask the Indigenous neighbors around us from the Tribes and from other organizations and ask them. Not expect people to wander over here and take this survey. We are in cultural need of permanent Indigenous art, sculpture, honorary designs that we see DAILY! Not an art piece that comes and goes from a gallery exhibit. I can't think of one place in Tempe where I can even go see any type of art dedicated to our Indigenous roots. Please enlighten me if I'm missing something because I'd love to see it. We must connect with Indigenous ideas if we want to learn how to survive comfortably on this desert in the coming years. Indigenous thought is our future.
121. I really like concept 1 because of all the colors. I don't like the last two at all. Very plain.
122. I really liked the lithocrete in Option 1 The reused brick in option 2 was nice I liked the patterns of option 3
123. I think the salvaged brick is charming and it's use should be maximized. That said, the colors and patterns of option 1 are appealing.
124. I'm wondering why the change is needed. What is wrong with the existing brick paving? Please explain this first. Personally i really prefer the brick pavers that exist.
125. In order to better evaluate the options, it would help to see more refined details. The pallet of materials are intriguing. Use of the silva cells is an important environmentally consideration.
126. It has a photo, and it looks professional
127. It is unique and looks like something Tempe would do. My only concern is the cost, but I assume it will be there forever.
128. Less is more. I don't want the City to look too "busy," loud, frenetic, excitable, or have multiple bright and excessive colors like the psychedelic '60's. We had some buildings and areas like that in the 60's and got rid of them in the 70's. It should be modest, calming, and easy to navigate; a multigenerational mature and inviting look. The color should be in the windows of the establishments to advertise and entice the public, or direct and lure, not distract or overwhelm passers by and visitors.
129. Less is more. Save the money and plant/upkeep trees for shade. The pavement will get dirty with chewing gum and whatnot, so why bother. WE NEED SHADE, not pavers.

130. Love the idea of incorporating more art into The District
131. Maintaining the red brick is very important to me
132. Maintaining the red brick, old school vibe of downtown Tempe while still refreshing it. Please don't make it look like every other new development in the valley.
133. Making enough room for trees and shade, and the more interesting color choices. I like the "bump-out" for art.
134. Mixed use of different kinds of pavers.
135. More colorful and better design. Do not use the Tipuana Tipu trees they are invasive. Tipuana tipu is viewed as an invasive weed in some countries and is known for having a very aggressive root system.[8] The tree roots can easily lift up concrete and asphalt. Precautions should be taken when planting near buildings, homes, or pools, as they are likely to be damaged.
136. More modern looking and less likely to look bad overtime. Less expensive upkeep as well.
137. None of it. Not a fan.
138. None of these options are appealing and will do nothing to generate revenue or tax dollars from the Mill Ave corridor.
139. Nothing. All horrible. At least have some history in the lithographic art.
140. Option #2 seems to be the least departure from the existing hardscape. It is important to keep continuity with the previous sidewalk and street layout.
141. Option 1 - The variety and movement created with the greater use of colors and materials is my favorite. I especially like the curved forms. It allows moments for people to stop or move off to the side by design. Option 3 - The change in direction of pavers vs brick materials will break up users' stride and create a slower moving experience which is a positive. Option 2 - By far my least favorite but good to have a comparison for a cost-saving approach. Biggest positive is that it has the greatest potential for brick re-use.
142. Option 1 has the best aesthetic - I like the variety of colors and materials. Option 2 provides a classic look with the salvaged red brick. Option 3 is very rigid and formal
143. option 1 is traditional and creates contrast to modern buildings that surround the area option 2 has a lot of style option 3 is colorful
144. Option 1 modernizes the streetscape and pays homage to the original character by reusing the bricks. I also like the lithomosaic art Option 2 still maintains the identifiable character of Mill Ave. and incorporates the lithomosaic art Option 3... I just don't like.
145. Option 1 offers a new look and feel completely different than the current look. It also uses less salvaged brick. The less brick the better. The design has motion and a sense of movement. Option 3 offers a different look than the current scheme. It has some uniformity but at least break up the sidewalk and creates a sense of change as you are walking. Option 2 feels too much like the current look and feel. It is time to revamp and do something completely different.
146. Option 1 provides the most variety
147. Option 1) Variety of materials Option 2) Thoughtfulness of Tempe history Option 3) Pace of the design

148. Option 1: Unique Option 2: Looks the easiest to execute Option 3: Timeless & will age well
149. Option 2 is most like current walk, all brick Option 3 is ok, not too busy Option 1 is creative"
150. Option 2 Salvaged brick walkways retains character of original Mill ave area. Option 2 has Lithomosaic art opportunities.
151. Option 2: minimizes concrete which is crucial to heat issues in the valley.
152. Option 3 is simple and more forgiving of on site conditions. As project develop over time this version is the easiest for developers to accommodate.
153. Option one is certainly the most aesthetically pleasing, option two is very simple, and option 3 seems the best compromise between adding personality to the sidewalk while also not being distracting
154. Options 2/3) Clean and elegant
155. Options 3 and 2 look the easiest to construct. While option 1 is pretty, it will take longer and be more expensive to construct the curved design. I am concerned for the businesses impacted by foot traffic during this construction. It would be best to complete the construction during summer months to mitigate impact to businesses fronting Mill Ave.
156. Pavers and bricks are a good cheap hardscape to use and easy to replace/fix if they become damaged.
157. Providing for tree shade
158. Recycling bricks is a good idea in general
159. Red brick
160. Reuse bricks, simple. Just make sure that you are not blocking wheelchair access! I like the trees. Lots of trees as long as they don't block wheelchair access.
161. Reuse of salvaged brick with some new brickwork used sparingly. Images of history/ local bands will be a great addition. Keep it simple and classy, don't overdue it. Rhythm in sidewalk pattern just more minimal. Date plaques and short history on older buildings.
162. Roberto Burle Marx-esque.
163. Salvaged brick is a more sustainable material choice that reflects historical character of the street. Lithomosaics are a good idea for highlighting Tempe history and culture, in addition to the noted art installations. Dedicated tree spaces that provide shade cover are a great idea.
164. Salvaged brick is a nice touch. Like the paving artwork of the Concept 2, and embracing the history of Tempe.
165. Salvaged brick. It's the most authentic toward keeping a historic original vibe
166. Salvaging the bricks.
167. Simple and not too busy. Do like the artwork pavers
168. simple, elegant, not too busy
169. Simplicity
170. Simplicity
171. Simplicity and textures
172. Simplicity of brick.
173. Simplicity, maintainability, refresh of existing materials
174. straight sidewalks. the curved one is ridiculous and the lithographic sidewalk items are just going to get dirty or cause people to stop in the walkways suddenly

175. The brick & minimalism.
176. The bricks looked nice and are good for walking on.
177. The brickwork shown in Concept 2 is a classic design and less busy than the other two. I also like the lithomosaic paving that will add some much needed public art to Mill Ave.
178. The color and flowing, curved lines of option 1 The inclusion of artwork pavings in options 1 & 2
179. The colors
180. The contrast in materials is visually pleasing, and I like the historical nods and use of salvaged materials.
181. The creative design.
182. The degree to which the brick and historic feel is preserved
183. The different textures add interest to the street scape.
184. The expanded streetscape living room bump-outs are a great addition. I completely agree that a greater effort needs to be made to help calm traffic and reclaim space for pedestrians.
185. The first concept was the most interesting and most people will enjoy seeing it and using the area. The long, sweeping curves unite the patterns of this concept.
186. The first option seems to define the space as distinctly pedestrian. The curvy design makes it look like a place set aside for walking rather than extra space on the side of the road that will probably be overtaken by car doors, store displays, etc. The extra concrete brick pavers mixed in with the old makes the area look more modern. The trees lining the road as a sort of barrier are also good.
187. The integration of Tempe's history into the design
188. The meandering path of Concept 1 creates the most visual interest.
189. The red brick is critical to the downtown streetscape. I think this helps Mill feel more welcoming and more like a city that cares to take the time to do the little things. There is a romance to the bricks that you cannot replicate with stamped concrete.
190. The red brick is most appropriate and compatible with the Historic Core (3rd-6th). I would suggest a concrete feature strip similar to existing up against the buildings because the storefronts are so irregular -if not it will require a lot brick cutting and small wedges to fill in. Maybe a wide matching concrete band encompassing the tree planters with plain brick in between the two concrete strips. I could see Option 1 in the non-historic sections of Mill so the Historic Core will have its unique identity. Consider using engraved bricks or tiles with names of historic characters, Council, Commission, Board, DTA members and others who were instrumental in the Downtown Redevelopment. The artwork concrete would fit in with historic theme.
191. the salvage brick and artwork incorporated into design
192. The salvaged brick paving In concept 1, I like how it's not just a straight line and has variety in colors
193. The salvaged brick to give it some history!
194. The salvaged original brick.
195. The trees
196. The use of recycling materials by using salvaged brick paving

197. The use of salvaged brick paving.
198. The use of used brick and shade trees.
199. The varying colors and finishes are pleasing.
200. The vibrancy and intricacy of design.
201. They all seem like a waste of financial resources honestly. I don't see a big benefit for this at all
202. They are all nice. My favorite - Concept 2 honors history of Tempe, but is not too fussy. Concept 3 is nice but not as interesting and "historic" as #2. Concept 1 is very pretty, but looks like it might not hold up in the hot sun.
203. They have a unique way of catching the eye
204. Use of recycled bricks from old Tempe. I like the curvy layout in option one, with a variety of materials.
205. use of salvaged brick. Lots of trees.
206. Use of salvaged pavers
207. Use the concrete unit pavers instead of the salvaged brick in every design. The salvaged bricks are a really bad idea, they cause safety hazards constantly because they break and come loose, creating trip hazards right now. Plus, their porous surface allow mildew to collect and hard to pressure wash away.
208. varied colors of paving to differentiate the usage of that area -- but the less ""busy"" & more understandable for concept 3 the salvaged paving supplies makes for less waste.
209. We like #3 because it looks the easiest maintenance and maintain its look the longest.
210. We want a timeless design for our downtown.. Concept 3 will begin to look dated almost instantly. There are way to many colors being used. And colors that look infantile. It's a college area. Something a little more mature is appropriate. Concept 2 is the nice balance of classic and clean. It also has the interest of history which makes downtown a living open access museum. That's good for tourism. It would also be nice to include art installations that say #IheartTempe. Make them nice and visitors will make it a travel destination. I love taking pics with signs and statutes like that where ever I go. Can there also be something in spanish and something showing a land acknowledgement to the tribes.
211. Why are we spending yet more money to refresh' Mill Ave ? How many times do we have to pour money down that rathole? You want historic signage? Put it in the Beach Park You want to refresh redesign something for the publics benefit- fix the library site layout. Handicapped parking is over 100' from the entrance Tempes public works- roads sewer water parks could use work. South Tempe could use more tennis courts.
212. Wide open walkways
213. You guys are at least trying to make the city fun to walk in, unlike a lot of other Arizona cities. Even the weakest option (option 3), it still has a lot more space to walk/hang out in than typical in other Arizona cities, without just resorting to basic sidewalk.

3. What do you like LEAST about each option?

1. #1 a little too busy, might not look good as it ages and/or gets dirty #2 the salvaged brick pavers seem to look dirty often now and will later unless there will be more maintenance than current #3 the light colored pavers might look dirty faster than darker pavers
2. #1 more expensive #2 similar to current look #3 very rigid look that does not correspond to anything
3. #1 option way too busy. Hopefully the new design can be kept simple- preserve some history but take Mill into the future. The curves and bright colors just don't work- no relation to this area. Please don't use bright primary colors on materials, furniture and no oversized colorful letters/ signage- it looks cheap. Ficus provides shade but attracts many birds. Need more permanent site furniture, not moveable items.
4. #1 was too complicated & ""busy"" to understand different use areas quickly not enough trees on any of them --- if we're going to cool down our paved areas & the concrete heat jungle -- trees are the only good answer/
5. 1 is not timeless 2 is essentially what we have, why spend all the money on bricks if the design is the same as current
6. 1. COST 2. BEEN DONE ELSEWHERE 3. DULL
7. 1: Colors and ground design can show wear and appear dirty when not maintained 2: Not visually interesting, looks like every other street near Mill 3: Small concrete pavers can become loose and uneven, like on College
8. 1-2 are too busy and will require more money spent on keeping them clean and maintaining a clean image for the downtown.
9. 3 the blocky repetition seems stale. 2 is a bit boring.
10. A lot of hardscape. Please curb light pollution and consider its deleterious effect on nighttime insects and animals (new research). Ways to address this are: 1) have all lights face downward only and 2) use amber light rather than blue, white, orange, or red, as the latter are less attracted to those. If it is possible to also use lights that respond to motion detection, that would be a bonus.
11. adding stupid designs
12. after this summer's heat and what it did to the old trees in my yard, I fear there will be a mess of leaves on the sidewalks all year round, even though they are not deciduous
13. All of the options are a waste of tax payer dollars and any proponent for this waste of money should resign their position immediately.
14. All three: way too much paving, should have way more planting for microclimating. Also if using pavers, should set up a way to collect the rain water during monsoon season for use in the tree beds.
15. As listed above, why? Are the ficus trees currently unhealthy? Is this to promote further growth?
16. Brick can be annoying for wheeled devices (skateboard,scooter,bike). If you don't want them to be in that sidewalk make a lane for them (bike-ish lane)
17. Bricks and pavers come loose over time. Stamped concrete gives a similar look but won't come loose.
18. Busyness
19. Concept #1 looks very busy. It is an extreme departure from the existing sidewalk and may present a maintenance nightmare to keep up.

20. Concept 1 - could look outdated sooner or be harder to repair when necessary. Concept 3 - Kinda bland and generic. Concept 2 - nothing new, nothing exciting.
21. Concept 1 - too busy on the eyes Concept 3 - boring
22. Concept 1 - too busy. Concept 2 - too plain Concept 3 - would have preferred curves in the design
23. Concept 1 a lot is happening doesn't look nice.
24. Concept 1 does not seem like it will age well (both aesthetically and materially) and will be more difficult to patch or maintain while keeping it looking good. Concept 2 has the concern of too much brick paving becoming unlevel and creating hazards. (I would recommend balancing the brick paving with some of the concrete paving, which tends to be more durable and stable)
25. Concept 1 doesn't really fit with the idea of this as a naturally growing and changing old downtown. It seems to be trying to make the space more "park-like" and it is not a park.
26. concept 1 feels busy concept 2 n/a concept 3 feels too cut up
27. Concept 1 has a design that is so busy that nothing stands out.
28. Concept 1 I can't say anything negative about it
29. Concept 1 is a major departure from the historical character of the street, especially in the historic core of the street.
30. Concept 1 is overly fussy, and probably very expensive. It is over-the-top in its design. Also I do not care much for the types of trees that are being proposed. I think the lithomosaic artwork will cause controversy - there will likely be all sorts of arguing/conflict over who or what should be ""honored."" Students in particular get very excited about this type of thing. It just isn't worth it. Concept 2 - Concept 2 is very similar to what is there on Mill Ave. now. I think the all brick will quickly become dirty and perhaps even smell as dirt and detritus works its way between the bricks. It is also very dark, and will look darker over time and the trees block out the sunlight. Don't like it at all. Concept 3 - This is my favorite, and I really don't have much bad to say. One question - what kind of trees will be there? I think whatever concept is chosen should have trees that let in some sunlight and don't completely block the sun. Lack of sunlight is what causes the pavement to look dirty and grubby.
31. Concept 1 is ridiculous. On a metaphysical level, it is just wrong. The solidity of brick is exchanged for the Heraclitean flux which is jarring to the eye and scary for the soul. It would be challenging to purchase anything on this new street because of this overwhelmingly negative vibe.
32. Concept 1 is too busy, looks too "corporate". Concept 3 did not have enough brick and did not include lithograph artwork.
33. Concept 1 is too busy, too many transitions to the walking surface. You don't want people walking through the district looking down, you want them engaging with the businesses and not worried about where to step because of transitions to the walking surface.
34. Concept 1 is trying to hold onto a 80-90's Mill Ave style that has gone way out of fashion. I was here in those days and this concept would have worked then. But now it will fail hard as all the locals will wonder why Tempe wasted all the money on this when the original was just fine.

35. Concept 1 looks like it might not hold up in the hot sun. Concept 2 is my favorite. Concept 3 is not as interesting as the other options.
36. Concept 1 looks like it would be costly. Not that I particularly care that much I still say go for it. But potentially rather expensive. Concept 2 just doesn't do much to emphasize walking along it. It looks clean and nice, but lacks that fun vibe mill has. Concept 3 looks like a double whammy of expensive due to the concrete and oddly segmented. Not much of a fan there.
37. Concept 1 looks too busy and like it would involve more cost.
38. Concept 1 seems to be a lot of change and honestly it doesn't bring much value IMO. e.g., Lithomosaic artwork
39. Concept 1: Design might be too crowded. Concept 3: Design is a bit less interesting, does not incorporate any historical aspects. Concept 2: Design is the least interesting.
40. Concept 1: more risk that it reflects dirt more easily, may not age well
Concept 2: No excitement, bland
Concept 3: indifferent about block design
41. Concept 1: Too busy, with traffic, pedestrians and buildings, the streetscape should complement and not add to the busyness of Mill Ave. Concept 2: Possibly too simplistic. Concept 3: No incorporation of the artwork paving.
42. Concept 2 - the grey concrete unit pavers used on the intersections look weird. The brick colored ones from concept 1 look much better
Concept 1 - the color scheme looks overwhelming. The grey exposed aggregate concrete at the intersections looks out of place. I like the accent painting but it's almost too much. It should be motivated by changes in the sidewalk. There should be less of a contrast in color of the the salvaged brick and the concrete unit pavers. Concept 3 looks terribly bland and adds nothing to the aesthetic of Mill.
43. Concept 2 - While I don't dislike the look of Mill Ave. today, if we are going to do all this work to improve the infrastructure and refresh the appearance, I like the idea of having Mill Ave. with a new look.
44. Concept 2 is alright but seems similar to what is there now and not really worth navigating construction for a while while it is built.
45. Concept 2 is boring.
46. Concept 2 is flat and boring. It offers no visual break in walking down the street. One concern about concept 1 is the durability of the colors and mosaic. what ever is used needs to be long lasting and not a burden on maintenance. Brick may absorb heat - I wonder if any of the plans should incorporate a cooler material - More trees with a pedestrian sized canopy is a must for any of the options.
47. Concept 2 isn't modern. Concept 1 is too busy and the lighter tile will get dirty fast. Concept 3 will get dirty and doesn't match the surrounding buildings.
48. Concept 2 looks dull and boring. 1 has a little more color than I would like and 3 has a little less color than I like.
49. Concept 2: might not feel like much changed.
50. Concept 3: might not be as sustainable as concept 2. Concept 1: way too busy and appears to be the least sustainable option.
51. Concept 3 felt more industrial or cold, like it belonged at a parking garage.

52. Concept 3 is expensive over time, art will need constant repair and touch up. Concept 2 is going to be very stripe like, it won't encourage people to move forward. Concept 1 is more expensive than concept 2 to maintain over time.
53. concept 3 is very difficult for those with low vision. A change in the color of the sidewalk may be perceived as a height difference, and may indicate a step up similar to a curb. This is a very poor choice for those of us with aging parents. I have a similar issue with number 1, it will be very difficult for those with low vision.
54. Concept 3 looks sterile. I would like more history in Concepts 1 and 2.
55. Concept 3 seems boring
56. Concept 3 was far too bland for Mill. Having some color or spunk on the sidewalk in this area is important.
57. Concept 3: the salvage brick lines are kinda boring and could look odd from a pedestrian point of view Concept 2: could see it easily being bleached from sun in few years and or defaced. Also the winding path is odd. Concept 2: not much different than today's designs
58. Concept one is far too busy and removes too much of the old red brick
59. Concept2, very plain. Although I appreciate the red brick, it's just too much just red brick. I like the mix of other pavers.
60. Concepts 2 and 3 feature straight lines, nothing special.
61. Concrete pavers
62. concrete use is bad for the environment. Simple is better
63. Didn't display greenery and shading options or cooling pavement designs
64. Durability. Current hardscape is cracked, chipped and missing sections.
65. Even though I liked the insertion of color in option one, I am afraid the design will be a bit disorientating.
66. Falling on a brick would hurt and since Tempe has a lot of senior housing the city could be seeing a uptick of broken hips and bones. Concrete pavers can be very slick if wet (if we ever got any rain)
67. For all ground cover option I think the most important question in choice selection should be if the material option(s) reduce heat retention (avoid heat island affect) and allow for water permeability (as part of flooding-storm management and tree root health). No amount of visual loveliness does anyone any good if the street is too hot and uncomfortable to walk down! I worry that short-sighted and individualistic historic profiles would be selected for the lithomosaics, and I am vehemently against that - no singular people's faces should be selected, but instead consider imagery representative of full history of Tempe (native tribal representation, flour mill industry, native flora, native fauna, city values). Tree selection should be consulted with arborist to maximize tree shade coverage (which needs to be augmented with shade structure additions), profile native plants, safety of nearby city pipes/lines/buildings, and ensure plants thrive with low water environment. Lighting for street needs to be night sky friendly design!
68. Gray concrete unit pavers. Gray is boring and too 'modern' for downtown historic Tempe
69. Grey concrete pavers don't do anything for me. I still think that cars shouldn't be allowed on Mill...
70. honestly, I don't see how these add value to the area at all. just power wash the current sidewalks more if you're concerned about them. I'd rather money

go to other revitalization projects on Mill or offer cheaper parking. I don't go to Mill unless I HAVE to because of parking costs and cost is the biggest detriment for most people to go to Mill, not sidewalks.

71. I believe that the lithomosaic and lithocrete accents will be targets for graffiti and very hard to clean.
72. I believe the more intricate Concepts 1 and 3 would take more time and money to complete. Concept 1 is much more modern, but prefer to maintain historical feel as much as possible. The Lithomosaic artwork is less likely to be noticed if placed on long stretches of sidewalk vs. at intersections where people would stand for a time.
73. I did not like the addition of pictures to the sidewalks. Not only is it distracting while walking, but who is going to keep it clean?!
74. I did not like the colorful lithocrete accent paving because it feels tourist-y and like you're on a playground.
75. I dislike grey pavers anywhere. I find grey depressing in general.
76. I dislike the 'lithocrete' accent materials in concept 1.
77. I dislike the size of the tree planters in all option, I wish they would be larger. I think that option 1 is too busy and would easily be damaged and look cheap. I think option 2 will look good and be durable.
78. I dislike using blue to represent the "river" in concept 1. Blue looks out of place here and is used already too much in Tempe municipal color schemes.
79. I do not like options 1 and 3, which diverge significantly from Mill's current design. Mill Avenue will lose some of its unique character if it bows to design trends.
80. I do NOT like the busy design of Concept 1 and do not think that it is appropriate for this area.
81. I don't believe that any of these are cool pavement options so will contribute to urban heat. If we are going to do this extensive refresh like, priority should be given to installing the coolest surfaces possible.
82. I don't like how busy option one feels
83. I don't like that Concept 1 has swirly lines throughout it. I think that style looks beautiful in some places such as along canals, but I think it is more practical to have a set, straight pattern for sidewalks.
84. I don't like the concrete. Seems cheap.
85. I don't want to see any art that represents woke ideas.
86. I feel that concept 3 is boring and plain.
87. I like the artwork in the sidewalk, but I don't think it should be of historical icons. I think it should be bespoke artwork by local artists that break up the space. No one outside of Tempe is concerned about historical figures and they will not stop to take a photo of a person from history on the sidewalk. But if it is art, then it becomes more relatable. Option 2 and 3 do not incorporate any art which is a missed opportunity. They are too close in design to the current look. Option 2 more so than 3.
88. I liked everything about option 1 Option 2 seemed liked nothing much changed from what we have now Option 3 looked like it would be really hot with the grey brick
89. I really didn't like the meandering colorful approach. It reminds me of the fiesta district in Mesa, but worse.

90. I really dislike concept 1, I don't like the aesthetic, and it will waste more material due to the need to cut all of those pavers at arbitrary curves. The shapes don't relate to the street, the buildings, or anything else. The other two schemes are much preferred.
91. I really don't understand what the benefit is for the suggested changes, money could be used for better things.
92. I really worry about how quickly the designs and light colors will look dirty and dingy if not pressure washed regularly. Design 2 is bland.
93. I think Concept 1 is way too busy. Concept 3 isn't interesting enough.
94. I think designs will look dated
95. I think the lithocrete accent paving of option one looks visually busy, and the alternating pavement type of option 3 looks too repetitive and boring.
96. I would like the "living room" bump outs expanded further in each design, making Mill a pedestrian-first street. As it stands, the living rooms are relegated to the corners in favor of street parking. The future of Mill is transit and walking, street parking sacrifices our public space to storage of a private automobile.
97. I'm a student, I am not a senior citizen but trendy changes like these are bad and will make Tempe the butt of a joke, one of so many gentrifying cities that are making improvements that don't improve. I HATE THE lithopaving. It's tacky and visually cluttered. I literally moved to downtown because of the red brick. It's rich, warm, historic, grounded, and complements the desert and urban palettes. I like the combination of concrete and brick, but it's the brick that keeps this downtown feeling vibrant as well as historic. Personally speaking, I love deep, rich, textures palettes. Tempe is the only place that gets close to a historic city feel like Brooklyn. I've lived in AZ my whole life and this area has been such a visual and sensory reprieve from the sad beige, grey, desaturated suburbs. Phoenix is grey. Everywhere is grey and beige. And I don't want wavy or patchwork paths on sidewalk space!. I don't want to step on faces when pub crawling or walking my dog. I don't want to be surrounded by bright primary colors and mixed materials that don't make sense and visually cut the space. Right now mill feels large and cohesive. a lot of these pics feel generic, juvenile, and trendy. There's a reason people flock to old cities. There's a reason we hate millennial grey now. If anything, I want to know that renovations care about preservation and making the old more functional instead of messing with the aesthetic. Improve the plantings? Great. Add tree grates? Fantastic? Encourage art and murals. Yup. But art is organic. How about making better communal spaces that encourage mixed use instead? Like the area between the restaurants and the hotel, which is dead but could be vibrant. How about innovative spaces for the unhoused population along university? How about integrating the other streets into mill's aesthetic instead?!?
98. I'm concerned about accessibility with the salvaged brick thought in all of the designs. Please think about edlers walking with canes. Little kids wanting to skate or scoot with their parents. Inconsisent roads like that are tricky to navigate for anyone other than very able bodied people. Please keep accessibility in mind. I walked through Istanbul's "cobblestones" and tightened my heart every time I was walking with the elders in our group hoping they foot wouldn't catch on an uneven surface. Pushing wheelchairs

on uneven surfaces are also challenging. Tempe is amazing. So I'm sure we have the talent to do accessibility and aesthetics!

99. I'm concerned about the businesses hurt by these projects - while construction is happening. You can revitalize Mill Av. by helping small business.
100. I'm not a huge fan of the lithomosaic -- it feels like something that is going to date itself very quickly, possibly fade, and just not age well.
101. In regards to the design concepts for living room bump-outs, more can and should be done. The designs should have the new upgraded cross-walks also extend outwards at each intersection. As seen on the recently completed southern intersection of 7th and Forest Ave, more space is given to pedestrians and vehicle traffic is prevented from taking turns too fast. Please review all the intersections along Mill including the pedestrian crossing on 4th. The NE and SE sidewalk of 5th street at Mill Ave should also include a bump-out. Additionally, the bike lane should be physically separated from the travel lane wherever possible. Ideally between the parked cars and the sidewalk. A permanent concrete barrier should be used however the plastic barriers already used near the streetcar on Mill south of Rio Salado also work. Living room areas should not include furniture where bus stops are located. At these sections please consider creating a bus 'island' similar to the street car stop between 5th and 6th. Ideally, the sidewalk in the island could continue south and connect. This would provide a safe shelter while waiting for the bus that does not create a conflict with bicycle traffic.
102. Inclusion of personal character
103. it feels like pork spending. There are better uses of funds currently to renovate Mill Ave, such as grants to artists and repairing existing infrastructure.
104. It's hard to understand what it is supposed to be/look like
105. Lack of complexity in design 3
106. Lack of trees
107. Lithocrete accent paving, too many materials and colors that would cheapen the look of downtown Tempe like the Mesa project along Southern by MCC. Tempe should remain a classic but modern look for the future.
108. Lithomosaic paving most likely will require more maintenance and may not last as long as the other materials
109. Maintenance aspects
110. n/a
111. N/A
112. N/A
113. N/A
114. Need more green colorful plants in planters on sidewalks.
115. No opinion
116. No permeable paving options.
117. None really
118. not enough vibrancy
119. Not sure about the aesthetics of the lithocrete accent paving.
120. Nothing
121. Option 1 - The colored lithocrete could look a bit cartoony depending on the colors used. The red/blue in the plan looks better than the example image

showing green, for example. Attention may be needed to building entrance location with this option. Would each entrance have a fork from the lithocrete path (not that it's necessary, just curious) or would the offshoot paths go straight into a wall? Should there be no offshoot paths from the lithocrete to avoid the impression that it's a path to follow? Option 2 - So, so much brick doesn't make it look like a designed upgrade. Option 3 - No artwork lithomosaic moments

122. Option 1 and 2 seem expensive and having art work on the street seems like a waste b/c of how some people on Mill lack the respect to keep it looking nice. I could see the art work being ruined soon after it's installed.
123. option 1 could clash if Tempe doesn't plan its historic district properly and it could look very outdated option 2 might look dirty over time and loose it's appeal option 3 could look dirty and also it seems chaotic and disorderly
124. Option 1 feels a little busy... I don't like the accent lithocrete. I also feel a more hard angled/geometric pattern might age better than a curved winding pattern. Think like the way the path integrates/abuts landscaping on the High Line in NYC: the path curves, but is still geometric and more angled. I think that design element could be incorporated using the salvaged brick and new darker brown concrete unit pavers to bridge the old and the new as people walk over it. The gray bricks clash HARD with the existing brick in Option 3. If used, it needs to be implemented more integrated like Option 1 or in only very select and few locations like Option 2. The trend of trying to superimpose gray accents in places with an outstanding character design element is lazy and poor design. Mill Ave is KNOWN for the Brick. Why would you want to cover that up?!
125. Option 1 is a bit busy and seems like it would be hard to maintain/repair. Option 3 doesn't have Lithomosaic art opportunities
126. Option 1 is a little too busy and seems like it might be more expensive to keep up and in good condition. Option 3 is nice but seems like what is already in existence on the streetscape.
127. Option 1 is too much, we do not need a circus, we need shade.
128. Option 1 seems more like a shopping mall type of esthetic. The colored concrete is likely to get dirty and stained. Option 1 might look ok deleting the circles and widening the undulating brick band.
129. Option 1) The winding of the walking path looks terrible. Maybe interesting when pitched verbally but not appealing visually in concept or reality. Option 2) Maybe too basic. Too much brick Option 3) Maybe too predictable of a pattern
130. Option 1: Looks complicated & a lot of work & time Option 2: Lots of brick which when they brake make great projectiles Option 3: Same as #2
131. Option 2 and 3 lack creativity and uniqueness. Could be a streetscape any ol place. Make it uniquely Tempe in appearance.
132. Option 2 and 3 seem kind of drab. Option 3 has too much gray. More earth and desert tones seem to fit better.
133. Option 2 is plain Option 1 is too busy Option 3 is monotonous
134. Option 3 appears cold and overly strict. Option 2 lacks an artistic feel. Option 1 may be too busy - I could see children following the winding path and being a nuisance.
135. Option 3 is the darkest, which may absorb heat

136. Option 3 was monotonous and uninteresting.
137. option one is too busy
138. Option one is too busy, and would take away from the historic character of the downtown.
139. Option one, though my favorite looking, looks like it could be a bit distracting and may not hold up well over time as people will lock straight lines over the various designs of the laid bricks. Option two is plain and not a good representation of the immense expense in hard work that will go into this project. Option three is by far the best option, and I do not have much criticism for it.
140. Options 1) Feels cheesy, like Tempe Marketplace - let the events, arts, programming be the color. This kind of stylized stuff doesn't age well.
141. Options two and three look blah in comparison, but would be OK for cost. I trust all of you to decide.
142. Our tax dollars going to waste with no benefit to the public
143. Overhead "awnings" seems to be lacking. Was the intent that only trees would provide shade? Many cities in Spain and Europe are using "green" awnings or canopies to provide additional shade.
144. Overly busy and harder to maintain e.g. Concept 1
145. Potential for tripping hazards if maintenance ever underfunded.
146. Primary colors
147. Really do not like Concept 1. This will date really quickly and is far too busy. Feels like it belongs in a theme park.
148. Regarding the lithomosaik artwork, I would be very upset if the art is a bunch of white men as is depicted in Concept 1. Concepts 2 and 3 are less interesting to look at.
149. Salvaged brick, and despite the attempt to be creative about option 1, it was not attractive in my opinion.
150. See above
151. So much brick. After the hottest summer on record you are going to double down on things that absorb and radiate heat?
152. Some of them take away the historic character of mill
153. Some seemed very busy
154. The 1st concept seems really busy with 4 different types of paving that will be going down.
155. The bland look and lack of variety of option 2 The absence of artwork pavers in option 3
156. The bright colors and portraits. This area is fine as is. PLEASE use this money for other areas in Tempe or increasing mill parking and helping move the homeless from these street sidewalk areas.
157. The concrete and brickwork, it would be nice to see alternative options using materials that don't hold so much heat.
158. the concrete pavers
159. The concrete pavers are the worst. Mill is known for the red brick and #3 totally removes all of that. #2 is super boring. No design element to that at all. The blue on #1 seems a little busy to me especially when the salvaged brick is already in a wavy pattern.
160. The expanded streetscape "Living Room Bump out" is concerning to me as there is already a large population of homeless that have a tendency to

- camp out on benches and seating areas along Mill Ave. already. This looks like adding a new area for camping, creating a possible traffic issue as well as having an opposite effect on creating a safe and vibrant downtown.
161. The Gin Blossoms rendering in the litho mosaic. Please no more Gin Blossoms. Don't make this an ode to past Mill Ave.
 162. The introduction of color and the Disneyland feel. We are not Chandler nor a mall.
 163. the lack luster finish of Concept 2 and 3
 164. The last two seem boring.
 165. The lithocrete is the only real issue. It may look good for a year or two but the color will fade with time and it will get chipped and stained creating a problem that currently does not exist. I also think the streetscape should draw the eyes up, not down so the less happening on the ground the better.
 166. The numerous pavement options. We don't need a busy walkway when we want people looking up at the businesses and activities. Also keep accessibility in mind. Low vision people may get confused or worried about steps with lots of different pavements
 167. The parking/biking conflict is a bit of a problem, since the bike infrastructure isn't really that well protected against parking. I would recommend trying to find protected bike lanes, but since space is an issue, the least you can do is lower the speed limit for cars.
 168. The prospect of lithomosaics highlighting musical bands. Such an artistic feature should bring recognition to more consequential and influential leaders and thinkers, rather than transitory influencers that come and go as musical fashion evolves. Honor especially distinguished leaders and other citizens that have had long-lasting influence on what this city has become. And consider the many distinguished faculty and alumni at ASU that have provided crucial insights and tools for dealing with the many unprecedented challenges that confront us. These historical lithomosaics can both honor distinguished people from the past as it encourages us to appreciate visionaries and progressivism. Tempe, after all, with its large university, must be forward thinking and a model for other metropolitan areas.
 169. The removal of the original brick
 170. The thick stripes of Option 3 are clunky. Option 1 is very busy but I like it more than Option 3.
 171. There is no consideration for cyclist nor the handy-capped in wheel chairs. Look at the URLs in answer to ""What do you like MOST about each option?"" See how Europe is years ahead of The United States in urban development.
 172. READ. LEARN.
 173. They all stink
 174. They are all different in some way or the other. However, concept 1 is VERY busy and, in my opinion, too over thought.
 175. They are all very hard to see.
 176. Though the brickwork is aesthetically pleasing for the most part, it often gets damaged now and the City is not quick to fix it when requests for service come it making it dangerous for pedestrians.
 177. Too busy for a constrained walkway, maintainability/upkeep
 178. Too many textures and color.

179. Too much brick and not enough attention to long term maintenance.
180. Too much going on in Concept 1. Also looks like it would be most expensive.
181. too much to look at in concept 1
182. Use of artwork on the ground, would prefer it as a standing sign/sculpture type piece
183. Very busy
184. we spend millions on "streetscapes" and now to add in "living rooms"....these will be used by the people who just hang out (yes the street people) and spend zero dollars with the merchants. People who DO want to visit the merchants cannot enjoy them. This is yet another waste of our taxpayers dollars.
185. What I like LEAST about every option shown isn't really shown on these diagrams but appears in other places in the plans, and that is setting bike lanes in the same grade as vehicle traffic, separated only by a line of paint. With the extent of renovations to this section of Mill Avenue, installing bike lanes that have no physical separation and no protection from vehicle traffic would be a huge opportunity missed because it will be many years before any significant improvements could be made. Painted bike lanes do not feel safe to the average rider so the average rider won't use them. Installing painted bike lanes is a waste of money because we pay for something that won't be used as intended; it just checks off a box that says the new street has bike lanes and think that is good enough. Imagine a 10-year-old on a bike - would seeing that 10-year-old in a bike lane on Mill Avenue separated by a line of paint from 28-foot delivery trucks cause you discomfort? Would you worry for the safety of that rider? Mill Avenue should feel safe on a bike or scooter, and building bike lanes that will really get used does two things: 1) separated bike lanes allow average riders to visit Mill Avenue on bikes and 2) bike lanes that feel safe and get used by bike and scooter riders will reduce bikes competing with pedestrians on the sidewalk. Sure, bikes and scooters are not supposed to be on sidewalks, but bike and scooter riders still regularly use the sidewalk because painted bike lanes just don't feel safe. Bike lanes can exist at sidewalk grade and separate cyclists from pedestrians effectively with a line of paint, but paint isn't enough to separate bikes and motor vehicles effectively or safely. Further, putting the bike lane at sidewalk grade, behind the protection of the curb, likely reduces the expected maintenance costs of the roadway -- fewer square yards per mile to resurface when resurfacing is due. Bike lanes at sidewalk grade require little lifetime maintenance, so even if there is a marginal additional upfront cost, there are other savings over the useful life of the infrastructure. In addition, bike lanes at sidewalk grade will get more use, and what are they being installed for other to than get used by bicyclists? Minneapolis installed bike lanes at sidewalk grade behind the curb in their downtown, physically separating cyclists from motor vehicles, so it CAN be done. Bike lanes at street grade, separated from car and truck traffic by only a stripe of paint, are worse than no bike lane at all because no bike lane at all doesn't require spending money on something that won't get used. With renovations of this extent, it would be a tragedy to scrimp and only install painted bike gutters instead of useful bike infrastructure.

186. What I like least is that our tax dollars are going to putting in new sidewalks when we still have such a large homelessness problem on Mill and affordable housing for middle class business owners keeps disappearing. Slapping a coat of paint on the outside of a crumbling house might make it look prettier to outsiders on the street, but does nothing for the residents inside.
187. What is the purpose of the stripped pattern in Concept 3? Seems like it doesn't serve a purpose or look nice at all.
188. Who is the guy?
189. Who will decide the persons who will be etched/painted/molded into the pavers for posterity? I think it better to keep it as simple as #3 and not complicate the problems of who decides who in #1 and #2. If I wanted to be memorialized I would want a bronze plate or statue or monument rather than a place where people and cars will walk and drive.
190. Will option 1 become obsolete and outdated quickly? 2nd option is new and clean, but kind of boring. 3rd option just doesn't change anything.
191. With each design, I recommend that the tree planters have room for water to seep into the root structure by adding a trench line with dirt for tree roots to grow in, that way they will be more resilient and thrive with better root structure. Also - the simpler the design the better. Getting too crazy looks tacky and make repairs to the sidewalk, which will be inevitable, much simpler and easier.
192. You know already the challenge with brick sidewalks. Just walk along the north side of University both east and west of Mill. Bricks are broken, jagged, fail to hold up under skateboards and heavy construction vehicles (which often have to maneuver on the sidewalks). For those with visual challenges, the bricks can be awful. I question how those with visual challenges will function with the curves and multi-color surfaces of concept 1 (though, again, it's the most appealing visual design). I also question the durability of the lithomosaics. How will the pieces of the mosaic hold up under heavy loads like skateboards and roller-skates? Tempe has a great history of innovation and then failing to follow through to repair and keep the innovations functioning and looking good, Mill Avenue being a great example of poor upkeep. Another example of your poor stewardship: the asphalt patches to the brick sidewalks along University near Mill. Complex designs like concept 1 will work only if Tempe is willing to follow through after construction. You don't do that well. Bottom line, given your history: make the simplest of designs that require the least upkeep. An afterthought: Where do you allocate space for rental scooters? Your options center on "hardscape," but you must allow for rental scooter parking areas and / or kiosks. Or get ride of scooters, because they're a menace for those who can see and certainly for those with vision challenges.

4. Please rank your preference of tree options.

Overall ranking preference:

1. Option 2
2. Option 1

| | First Choice | Second Choice | Total |
|----------|--------------|---------------|-------|
| Option 1 | 103 | 77 | 180 |
| Option 2 | 109 | 73 | 182 |

Responses: 212

5. What do you like MOST about each option?

1. #1 mostly Ficus provides more shade; similar to current look.
2. #1 I like the 50/50 assortment as opposed to all ficus that seems to be existing. Also, like the median/accent choices #2 I like the choices of the trees.
3. 1- the color of flowers on tree and less ficus 2. Nice selection
4. 1. Less foliage 2. NOTHING
5. 1st option provides more variety, it will provide color and will introduce more native Arizona trees. 2nd option will do the same, but just in lesser quantity.
6. 50/50 sounds like it should protect against disease better.
7. A lot of variety is nice
8. A reduction in the number of ficus. I think our new climate will not support them in a sufficient way anymore.
9. Again simple is better I like the Tipu tree
10. Again, not sure what the real benefit is at this point. Are you removing trees? Because it's a complete waste to remove the old trees that provide shade for what will likely be new trees that provide less shade for years.
11. Again, the simpler the better. We should be reducing the amount of work that maintenance workers will need to put into maintaining the new trees and planters.
12. an improvement over the current non desert species Ficus trees. The Ghost Gum seems like too large a tree to be used in a downtown setting. the Mastic tree seems too small and dense. Our HOA has lost most of the Mastic trees that were planted in our space between the sidewalk and walls. Fruitless Olive seems like a better choice for both option 1 and option 2.
13. At least the planning shows a variety --- but what about future water needs? Any choices which don't require heavy watering?
14. Bigs shade trees
15. Both have great diversity
16. both options aim to keep mill avenue green a shady. Thank you for not suggesting palm trees!
17. Both options are very beautiful and will undoubtedly provide excellent shade once fully grown. The tree choices also honor the traditional lushness we are used to in downtown Tempe. Option one, however, seems to be a better fit from a longevity perspective since the street will not be dominated by a

single type of tree. As I am sure you all know, monoculture may provide a better environment for pests. Both options seem to have Great choices in median tree

18. Concept 1: brings more visual diversity, which could be great. Concept 2: appears to maintain the exiting look and feel, which is nice.
19. Concept 2 provides most shade while still providing visual interest Concept 1 I like the Mastic Tree
20. Diversity and lack of ficus in Option 1
21. diversity of trees
22. Each option has trees that provide shade
23. Eucalyptus and Indian Laurel are great
24. Ficus are the best choice for sturdiness and shade -- the more the better
25. Ficus provide the most shade coverage and having shade coverage is essential to keep people downtown during summer
26. Ficus trees grow very big and provide a lot of shade. Tipu trees are a nice option as well and they grow quickly. I like that Option 1 splits the two 50/50.
27. Ficus trees provide great shade.
28. ficus/ indian laurel provide great shade
29. flowering trees that are colorful
30. Ghost gum is a very rapid grower and will make quick results!
31. Good diversity
32. Good shade trees are important to keep areas walkable, and each of these concepts provide good shade.
33. Green, dense and large shade area.
34. Heat and drought tolerant
35. How lush the trees are.
36. I am happy the ficus will remain an important part of the streetscape. Despite their issues, they are excellent shade trees that really do help lower the temperature at street level. Not all shade trees are created alike in this regard.
37. I appreciate all of the consideration given to good biodiversity and a long-term healthy canopy.
38. I do not know enough about the local flora to have a strong opinion. I would suggest considering, which trees provide the most shade versus the suspected water input. Granted the current tree beds do not look nearly large enough to support the size of the trees to reach maturity. Avoid the mistake of undersizing tree beds as that leads to unhealthy trees that eventually get cut down.
39. I don't think ficus trees are a good option. They do not hold up well in the heat or occasional freeze, a number of them have perished this summer.
40. I feel like option 2 allows for more large (shady) trees.
41. I like Ficus but I also don't like them. Love hate.
42. I like ficus.
43. I like ficus.
44. I like low maintenance and trees that are native to area.
45. I like that more than one type of tree is chosen.
46. I like that Option 1 has a mix of different kinds of primary trees as well as some secondary trees.

47. I like that option two had a higher percent of trees with large canopies. Shade should be priority #1. I like that option 2 has multiple types of trees.
48. I like that the second option preserves more of the Ficus that contribute to Mill Ave's character.
49. I like the diversity
50. I like the Ficus and Pistache and Ghost Gum options a lot. These trees will provide shade (Ficus and Pistache) and style (Gum but more of it). Plus the Pistache will provide a warm orange/yellow Fall foliage in January opening up sunlight to the sidewalk.
51. I like the fruitless olive tree
52. I like the idea of not having 100% of the same tree as we do today on Mill Ave.
53. I like the mix of trees, overall, but this option requires removal of only 30% of the ficus trees. I realize many of them are heat, stressed and old, but it seems a shame to cut trees down before their time. I think age in the weather will make the decision.
54. I like the shadiness of the ficus trees.
55. I like the that each option has very full trees that will provide shade and a sense of enclosure.
56. I like the Tipu trees!
57. I like the usage of the Tipu tree as it grows quickly. For option 2, I like the addition of the Olea europea, we have lots of them in our neighborhood in Tempe and they provide lots of nice shade.
58. I like the variety of greenery and larger trees. Feels very lush.
59. I like the variety of option 2, different 'green' colors;
60. I like the variety of Option 2.
61. I like the variety of trees in option 2. I also like the use of the pistachio tree in option 1.
62. I like trees with a thick pedestrian sized canopy - we need all the shade we can get. Think of your crew and their regular maintenance of these trees, and how these trees will handle summer storms.
63. I like year round flowering trees. Adds color other than green. I also like a variety of trees.
64. I liked that more of the mature trees are staying in option 2 I liked the variety in option 1
65. I liked the variety of trees.
66. I love mature trees with large canopies.
67. I love the increased variety of trees -- it feels like it is going to be more interesting, but also help increase the biodiversity of downtown.
68. I love the Indian Laurel, but I think the priority should be given to vegetation that provides shade, yet requires minimal amounts of water and maintenance.
69. I love the look and shade of the ficus trees but outside of the mess they make, the roots are very invasive and the trees themselves are prone to freezing and burning. I have seen red push pistache trees popping up all over the valley and they seem to be more tolerant and have less invasive roots. Why are these trees not being considered for Mill Avenue?
70. I love the option for more shade trees. I like the larger variety of option 2 but I like that the tipu tree is a primary tree for option 2.

71. I love the shade provided by the dense ficus trees. The color of the flowers on the tipu trees are nice and might create some nice variation.
72. I only liked option 2- it provides the most shade, which a downtown with short blocks in Az needs lots of
73. I prefer more ficus, and I also like the combination of the eucalyptus and the olive trees for the median.
74. I prefer option 2 because young tipu trees require more water and care during extreme heat, so I like that option 2 will include the far lower water consumption of the Indian Laurel.
75. I really like the pistacia and ghost gum trees
76. I see stored trees "to be planted" in pots that are DEAD. I am for maintaining current trees. Does Mill avenue need more and at what cost?
77. I think the best option includes a variety of trees and plants that are drought tolerant and water efficient, keep their leaves throughout most of the year, and require little maintenance.
78. I vote for the most drought tolerant whichever that ends up being. We live in the Sonoran Desert and should acknowledge that before it's too late.
79. I was a little confused about the options. To me, the focus trees "make" Mill Avenue. They provide shade and look beautiful lit up. I'm not sure if other trees make more sense for longevity or water usage reasons. But whichever option offers the most large trees with large canopies providing the most shade is the most important to me.
80. I'm a fan of the ficus, but I can understand the need to use plantings that will tolerate the higher temperatures that will surely come with climate change.
81. I'm just glad you're considering greenscape options, as this is important to liven up Tempe.
82. I'm prioritizing which trees look to provide the most shade.
83. Indian Laurel ficuses
84. Introducing new varieties
85. It provides variety versus a single species that could be wiped out.
86. It's colors
87. Keep the Ficus trees - they relate to what is there today. Delete the TipuTrees. They are not long living trees, are messy and are not consistent in their structure / appearance
88. Keeping at least 50% of ficus already there
89. Keeping some traditional look with minimal ficus. Underground system for healthier roots.
90. large trees and no palo verde
91. Less Ficus They require too much water, don't do well in very cold water and don't do well in very hot weather. Being evergreen, they are ever dropping leaves. Birds love them and create a mess.
92. Like the main use of ficus trees in the first option
93. Local trees
94. More diversity of species.
95. More plants mean more shade.
96. Most diversity which is good!
97. Most of the tree selections. The 50/50 percentage would allow both variety and unity.

98. My concern is whether there has been research done on what trees were in the area historically. We should try to use some of the same vegetation that was used historically. We should be able to use old photographs to discern what might be appropriate.
99. My preference is for trees that provide the best shade. But, that also do not shed excessively, have a strong odor, and their roots will not become an accessibility issue. Having pops of color is nice. We also don't want anything prickly. Visitors do not know and sometime injure themselves.
100. n/a
101. N/A. I don't think either options seems well-matched to our natural Arizona aesthetic.
102. no comment
103. Not sure!
104. Nothing too much maintenance and cost for the city
105. nothing. they all look the same to me. As long as it continues to provide MORE shade on the sidewalks I'm fine with any selection.
106. Option #1 evidently has more diversity of tree types. The trees appear to be drought tolerant, if so, that is good planning.
107. Option 1 - fewer ficuses, need too much water
108. Option 1 - I think the flowers of the Tipu will provide beautiful foliage on the primary trees.
109. Option 1 - large trees for shading Option 2 - more variety Both include heat resilient plants
110. Option 1 - Like the median/accent trees. Option 2 - Like the secondary trees and median/accept trees.
111. Option 1 - seems like it gives good coverage Option 2 - seems like it gives good coverage I think the best would be something native and long lasting and full.
112. Option 1 has 4 types of trees Option 2 has more focus trees, which provides more shade
113. Option 1 has a greater focus on native plants to the region, which is a great thing for me. I love desert trees. Option 2 however looks like it would be very shaded and comfortable however.
114. Option 1 has more trees which will help to keep the main street cool temperature wise and give shad to those that are riding the streetcar.
115. Option 1 is just more appealing to me. The other two are hard to see.
116. Option 1 is simple and balanced. Option 2 is more varied Both have good shade options
117. Option 1 provides better variety
118. Option 1 trees look nicer and like they provide more shade. All new trees planted should be native desert plants and low VOC so you don't contribute to additional issues.
119. Option 1) N/A Option 2) Seemed to provide more shade which needs to be a priority
120. Option 1: potential for more flowering trees Option 2: fruitless olive, more Indian Laurels
121. Option 2 - Indian laurel trees remind me of Mill Option 1 - I like the mastic trees

122. Option 2 Indian Laurels provide shade throughout the year and do not drop a ton of leaves.
123. Option 2 maintains a more traditional look, while allowing for pops of color at intersections.
124. Option 2 offers a variety of plants. Whatever option is chosen should not only look nice but provide enough green space and shade
125. Option 2 presented a more diverse selection than Option 1. It includes and relates to the SouthWest and is more appropriate.
126. Option 2 promotes more trees which helps promote a garden affect.
127. Option 2 provides a more diverse and better landscaping
128. Option 2 provides the most shade coverage but both options have good choices of trees IMO.
129. Option 2 puts more emphasis on larger trees which provide more shade
130. Option 2 would appear to have more native plants which would be nice and appropriate.
131. Option 2: Ficus because we already have em there. They provide great and much-needed shade. Also, can we do a fruit garden pls?
132. Option 2: Has the greatest variety of trees. Option 1: Might provide a bit more shade overall.
133. Option one included more ficus
134. Option1 - I like the mix of Ficus; 50% is enough; introducing another tree species is good. Both to see and in case there are issues with one of the tree types.
135. Please leave the mature Ficus where they stand, they are a Mill Ave staple and long-time residents. The rows of Ficus on Mill are a welcome change from spindly desert trees everywhere else.
136. Please retain 100% Ficus, that's an iconic view of Mill Ave along Downtown Tempe.
137. Potential for lots of shade that was lost because of the streetcar.
138. Priority should be shade.
139. Provides shade. Smaller trees, do not need tall trees to create shade
140. Rather than comment a specific tree pallet or mix, my concern lies with the view corridor to existing historic buildings. For years, the evergreen ficus have effectively blocked views of the historic buildings. If we are serious about retaining some of the historic character of Mill Avenue, the we must have trees that develop a canopy above the historic buildings. Since the ficus were initially planted, we have not been able to adequately photographically document our downtown buildings. As the years go by, it becomes critically important to have that historic documentation. In eastern cities deciduous street trees, like elm or oak, provide that opportunity. Where evergreens are used than the canopy should be high enough to reveal the entire facade of the structures.
141. Rather than waste more money on unnecessary projects the city council should be focusing their efforts on bringing Mill Ave back to what it was 20-25 years ago when it was the place to be nightly.
142. Really like incorporating trees into the area. Desperately needs shade.
143. Retaining focus and old growth trees, water consciousness, updated infrastructure
144. Seems like native plants

145. Seems like the Indian Laurel has a good chance of surviving because it cannot be easily hacked to death by our ""landscape caretakers"", meaning it is harder to trim up up up into a lollipop with no middle and no chance of surviving a storm.
146. Shade
147. Shade is critical.
148. Shade seems to be a priority in the choice of trees from the looks of it
149. Shade trees appear to be prioritized.
150. Shade trees, please!
151. Shade. Also I like the fruitless olive.
152. That ficus trees remain primary
153. The additional variety the new trees will add.
154. The amount of potential shade coverage.
155. The balance of trees is 50/50.
156. The existing Ficus Nitida should be retained and additional Ficus Nitida should be the primary street tree. They are one of the few trees that grow to considerable size, provide dense shade, and are relatively heat tolerant. Ficus Nitida is truly one of the only trees with a substantial enough canopy to maintain comfortable temperatures on the ground in summer. And, in the grand scheme of things, the water needs of the ficus are not exacerbating our water shortage. The difference in water for Ficus vs. other trees is insignificant when viewed in the context of a city's water use. Tipu trees are okay, but they are also not native so no extra points over the ficus there and provide less dense shade.
157. The fewer Ficus the better
158. The ficus give good shade and make the space lush and green.
159. The ficus trees are an iconic part of Mill Ave. The more we have of these, the better. They also provide the most shade of any of the trees.
160. The ficus trees provide dense shade and seem to grow well there.
161. The higher percentage of trees with a fuller canopy and darker green color
162. The new silva cells hopefully will work and be an improvement. Even if they are expensive, they are worth at least piloting. While water concerns should absolutely be addressed, this is an appropriate place to use a little extra water- it's not that large of an area.
163. the possibility of shade and adding colour to the landscape.
164. The prospect of capturing more run-off with the new structures to collect and retain water around the root systems. I do wonder, however, about oil and other toxins if much of the run-off is collected from the street surface.
165. The shade they will offer
166. The super thick trees because birds love congregating in them and it's magical to hear them all twittering together in the evening. Also, these trees provide the most shade.
167. There is a little bit of diversity in the varieties.
168. There is a thought about shade trees.
169. There should be one main dominant tree with a secondary 70/30 seems right.
170. They bring more shade and comfort to the DT area
171. They're trees

172. Tipu trees will probably be messy while ficus trees are pretty and provide a lot of natural shade.
173. Tipu will grow quickly and bloom nicely. Love the ficus.
174. Trees are good
175. Trees that do well in the heat
176. Two is a nice mix of foliage type.
177. Use of desert endemic trees and plants.
178. Use of something other than the Ficus. These trees are very messy, attract non-indigenous birds (also messy and noisy) and are high-water use plants. I don't understand why a progressive city like Tempe doesn't consider native or near native desert trees.
179. Variety
180. variety in trees
181. Variety of trees
182. Very sorry there are no ironwood or other sturdy indigenous Sonora Desert choices, like Desert Willow. Laurel is fine - Eucalyptus tend to drop their branches in the wind & fall over. Glad you did not include Palo Verde - very soft wood.
183. We don't like any of the options. The climate is drastically changing, and we need extreme heat oriented native plants. Date palms can provide shade. Then Tempe could harvest dates and have a new business!
184. we need trees
185. Who doesn't like trees over bushes? More shade for parking and walking under.

6. What do you like LEAST about each option?

1. #1 Do not like trees in the median with pedestrian, car, bus, tram, and bicycle traffic. There is a clear view of street and less maintenance.
2. #1 no comment #2 I don't like the higher percentage in ficus, they are dirty, attract birds in the winter and require much maintenance
3. 1. PALM- Washingtonia Filifra better choice 2. SEE ABOVE
4. 2nd option sticks too much to the existing tree makeup.
5. Add both Mastic and Swan Hill in the plant pallet and reduce the Ficus even more!
6. Another waste of tax payer dollars.
7. Any plan that desaturates the greenery more than necessary (especially if it also reduces the red brick or makes it compete with other materials) is upsetting to me as a Tempe resident.
8. Are you replacing current established trees? That would be a waste- there are already great shade trees on Mill. More shade would be great though.
9. Be considerate about head clearances on the sidewalks and balance that with the desire for close in shading for maximum comfort in the heat.
10. Both of these options should consider including more native plant species into the palette. Why continue to use eucalyptus trees, which tend to have significant size branches cleft off without warning?
11. but how messy will these be and will the birds be using them with their droppings on us?

12. Concept 1 and 2: I wish we used all native trees or all trees that have low water usage. I love the look and feel of ficus trees, but they seem out of touch with the the future we are facing in our city and state.
13. Concept 2 offers more variety but may mean more upkeep. One of your speakers mentioned the current (poor) state of the irrigation system now in place. Once again, the city doesn't do a good job of follow-through and upkeep after a project is deemed "done."
14. Concerned about the tipuana tree pollen during allergy season in the spring.
15. Didn't see the value for the cost. Trees are already on Mill.
16. Do not use the Tipuana tipu. Tipuana tipu is viewed as an invasive weed in some countries and is known for having a very aggressive root system.[8] The tree roots can easily lift up concrete and asphalt. Precautions should be taken when planting near buildings, homes, or pools, as they are likely to be damaged.
17. Don't like eucalyptus trees because they are messy trees! Also Mill Ave needs more colorful trees to really stand out! I also like the resort style date palm trees that look clean, classy and easy to maintain.
18. Eucalyptus and olive trees are not native to Arizona. The olive trees are a drab grey-green with no vibrancy. I think there are better choices of native plants to look at.
19. Eucalyptus are famous for dropping limbs frequently, drop significant leaf litter and have a rangy, messy growth that would not complement a historic city street. Tipu trees look vaguely tropical and the yellow flowers are somewhat gaudy which clashes with the historic vibe of mill. Since none of the options are native, I would prioritize the shade of the ficus over the others.
20. Eucalyptus not desirable
21. Eucalyptus trees as they grow very tall but can topple or loose branches easily in storms. There is too much concrete for tree roots to go deep enough to hold and not topple.
22. Eucalyptus trees tend to drop their branches in the wind & fall over.
23. Few of the trees in either option look like our natural Arizona landscape. The use of Tipuana Tipu doesn't sound like a good idea. For example, there are several negatives mentioned here: <https://fourseasonstc.com/tipuana-tipu/>
24. Ficus are invasive trees and eucalyptus gets destroyed in monsoons
25. Ficus are known to be water needy
26. Ficus are messy, go with the least amount of ficus to cut down on maintenance.
27. Ficus are not resisting the high degree temperatures. They are dying.
28. Ficus bring in birds- noise, droppings
29. ficus doesn't provide enough variety
30. Ficus domination in Option 1: Existence of ficus in Option 2:
31. Ficus is not sustainable at all. This summer's heat clearly indicates that they cannot survive in the desert environment. If Tempe is serious about a refresh, then do not miss the opportunity to also 'reset' and 'rethink' what Mill Avenue can symbolize. It should be sustainable. The Ficus trees were planted around 1980. That is does not necessarily mean they have a historic place in downtown Tempe. Tempe is over 100 years old. Prior to the Ficus being planted, Mill did not really have a street scape with trees. There are

beautiful desert trees that can be planted that provide shade and create an updated sense of place. Desert Museum Palo Verde, for example, would grow a great canopy. They would need to be trimmed, but I would prefer to see tax dollars go towards the annual trimming of the trees rather than continues replacement of dying trees. This particular type of tree also produces a beautiful yellow flower every spring. How incredible would it be to see a sea of yellow as you come across the Mill Avenue Bridge. They also are less dense so you do not have the issue of flocks of birds making it their home like it is now. Bird cleanup is an expense. Put that toward trimming, not cleaning bird messes. These trees also provide more see through visibility and do not hide the facades of our cool historic buildings. Also, bird of paradise in medians, if trimmed properly, can be really beautiful and add color to the street scape. They are desert friendly. They can also act as nurse plants to shade and protect cactus plant that can be placed under them. I just think that if the City is investing, then this is the time to make real change happen and set us apart as a sustainable community. Just doing the same thing over again will not accomplish the needed refresh. Mill Avenue has a lot more competition than it did 40 years ago. A refresh is really needed, but let's seize the opportunity to make it different and unique for the next 40 years. Change can be good.

32. Ficus trees are known to have giant roots that tend to destroy the buildings around them and its possible some of these other large trees do too. Will these trees be able to stay on a street long-term, or will them be expensive to get rid of later? Perhaps smaller native trees would be better?
33. Ficus trees need a lot of water and are slow growing. I think the ratio of 70% ficus and 30% tipu is not ideal. I don't like the fruitless olive trees - they are too ubiquitous and not as pretty.
34. For both options, I dislike the reliance on the Indian Laurel. I think these trees are too heavy and don't let in enough sunlight. They cause the whole area to eventually look dirty.
35. From my understanding olive trees are very popular with pests which the area already has a lot of
36. Hard to see pictures
37. I am allergic to olive trees, so that is my only hang up.
38. I dislike that both options seem to neglect Arizonas native trees and vegetation as a viable option for beauty and shade. There are many trees that Arizona has that are native and could work.
39. I do not like the idea of removing Ficus from Mill, but understand a few of them may be damaging sidewalk. I also dislike the idea of using Eucalyptus or Olive as in my experience these are very messy trees and will require more street upkeep, especially planted on the medians.
40. I don't care for the desert-y trees.
41. I don't love the small courtyard trees of option 2 I don't like the amount of trees ripped out in option 1
42. I don't feel these trees are the best choice. Ficus are dying up and down Mill Ave. currently. I am an LAIT in the community and would propose Joan Lionetti Live Oak or Red Push Pistache. These particular Ficus attract more birds with their mini figs, and it is not a desirable tree if you want your shirt to stay clean if you know what I'm sayin' ;) I'm cool with the Tipu, Ghost

- gums too...Swan Hill's shouldn't be used either, and the Acacia aneura should be the choice or Pistache lentiscus.
43. I don't like that option 1 has a 50/50 balance of each tree type and I think that would be less visually interesting than option 2.
 44. I don't really have much to say, other than to make sure that whichever option you do choose is friendly to the water supply, since we have that problem here in Arizona.
 45. I don't see any of these trees are 'native' to The Southwest Desert. The Acacia and Sweet Acacia would be better suited for the desert heat. Also, the Mesquites are a good choice. Unfortunately, landscape 'engineers' can't keep themselves from trimming these trees and leaving only 10% of the branches and leaves intact.
 46. I don't see any red push pistache, a tree used downtown Phoenix that provides nice pedestrian shade.
 47. I don't see anywhere to make other suggestions and this might seem outlandish...but I think the best thing you could do for this section of Mill is to make it pedestrian only and add lots of trees. More of a gathering place. Like a plaza in Europe or State Street in Madison. If you want people to come, besides students who live there, there needs to be something better than another busy street. A plaza or green space that makes it easy and safe to get to restaurants and shops, offers an enjoyable atmosphere and ability to have outdoor seating without car noise (the revving engines is obnoxious), a splashpad/water feature like the one at the Watermark (north Tempe) or Civic Center (Scottsdale) or downtown Gilbert would be a draw. Also, if you want to have more visitors besides just college students, convenient and free parking would make a huge difference. We ride our bikes from the north side of the lake to get to Mill just because the parking situation is so costly and frustrating. When I lived farther away, I always chose to meet people in old town Scottsdale instead of Mill Ave because parking is free and easy there.
 48. I feel as though option 2 seems busy where less is more in this case.
 49. I have very strong opinions about not removing the existing ficus trees. Those trees are part of Mill Ave's dna and I hate to see any of them taken out. Also I'm not a fan of the Tipu tree. It has a very destructive (to buildings) root system and doesn't seem like a great idea for a downtown landscape.
 50. I like both options
 51. I question the use of Eucalyptus in either option. These trees are kind of messy and tend to drop branches. Arborist's often refer to them as the widow maker.
 52. I would like to see the least number of existing trees removed. And, if any trees are removed, I would like to see them replaced with trees of a variety of maturities -- to minimize the harshness of a full-replacement. Keeping the maximum number of existing, mature, healthy trees should be a high priority.
 53. I'm actually fine with either option
 54. If this corridor is 100% ficus trees, each concept has fewer ficus trees which means some existing will be removed.
 55. I'm hoping all flora are native.
 56. In Option 2, the Fruitless Olive tree was listed as a Median/Accent tree. Fruitless olive trees are wonderful, but they are not always fruitless. I have a "fruitless" olive tree in my backyard, and it provides plenty of shade.

However, after seven years, it started producing olives. There are a lot of olives that drop in my backyard, the pigeons and other birds have enjoyed eating them, and I have had to work with my dogs to prevent them from eating (and later barfing) the olives in my backyard. While I still quite like that tree for its shade and I am okay with the nuisance the olives create, I would caution planting one in a public area where everyone has to deal with the risks of having an fruitless olive tree start producing olives.

57. Indian Laurel. Isn't this a problematic tree as far as root system and the canopy? My neighbors have these trees (over 20 years old) and they do provide great shade. But the roots are popping up into the ground surface. That seems like it will be a constant issue with it's intended location. Also, the canopy constantly needs to be shaved so that it can be walked under. They also have very much leaf loss this year with the increased temperatures.
58. It will add the cost of upkeep going from bushes and small trees to large ones, but well worth it.
59. It would be more appropriate to use more desert plantings.
60. It's difficult to envision how much shade could be lost by removing 50% of ficuses versus 30%. Keeping existing trees seems preferable unless they are at end of life span. Are there nearby Tempe projects or parks that un-used ficus from this project could be moved to and re-planted? How much money would it save the city over the next 30-40 years by having a 20% reduction in ficus between the two options?
61. Just don't like any replacement to Ficus
62. Kind of boring trees. I love palms but they are not good for shade. What about shade structures?
63. Leaf litter.
64. Mastic trees are ugly. Eucalyptus are shallow rooted and not particularly good looking.
65. Mature shade trees should be preserved as much as feasibly possible! and Shade coverage should be extremely prioritized along Mill. If you get rid of the shade it will be way too hot. The current Treeshade coverage on Mill is unmatched in most parts of the Valley. Keep the max shade!
66. Median accent choices don't provide the shade we'll need in a hotter climate for the future
67. Minimal native trees
68. More plants mean more water used and cost to maintain.
69. Most likely not enough shade, and some will die and not be replaced. So, we'll end up with no shade, just like it is now, and THAT is one of the reasons for not going to Mill anymore. "
70. n/a
71. n/a
72. N/a
73. N/a
74. n/a
75. N/A Not knowledgeable enough about this subject to have opinion.
76. NA
77. Needs more native trees
78. no comment

79. No opinion
80. Non native trees.
81. none
82. None of the proposed plants are native to the Sonoran Desert
83. none of the trees with the exception of the Mastic look like they're meant to be hardy and resilient against the increasingly hot summers and potential for water scarcity as the city continues to grow without limits
84. none, tempe needs more trees and plants and less gravel in the landscaping.
85. Not a fan of eucalyptus. It's messy and some people with breathing issues have difficulty around them.
86. Not a fan of olive trees. Leave a mess.
87. Not a lot of color
88. Not as much uniformity.
89. Not clear on quantity of Accent trees
90. Not enlarged enough
91. Not having ANY native trees. There are good options, especially in the medians to incorporate Ironwood trees rather than or in addition to the olive. There are others that will work as well.
92. Not many native trees options
93. Not sure if all of these are native trees and adapted to the climate. Would be great to showcase native plants, but appreciate that not are very shady.
94. Not sure that Ghost Gum are a great shade tree and there are lots of examples where they just don't look good. The olive is also not my favorite- sooo many suckers and not a lot of shade. What about some variety of red push pistache or maybe some variety of ash?
95. Nothing, both are good.
96. Nothing, they are both nice options, I just like 2 better for variety.
97. Of course, all trees should be drought tolerant and should receive adequate irrigation. Please don't make the mistake for the trees you planted in Maple/Ash. Many are now dead due to the lack of irrigation.
98. Olive tree
99. Option #2 keeps the Ficus trees in greatest quantity. I was living in Tempe when the existing Ficus trees were planted. They started out well, but they have turned into seasonal bird warehouses - as in the movie "The Birds" - the cacophony at sunset is amazing. You can't carry on a conversation without yelling when it is bird season. There are other vast quantities of birds related problems as well.....as in slippery sidewalk requiring cleaning. This all relates to the Ficus tree selection, the other trees listed do not have this side effect.
100. Option 1 - the accent trees look unkept and scraggly Option 2 - more options and better diversity
101. Option 1 - too many ficuses, don't really like eucalyptus Option 2 - ""
""
102. Option 1 & 2 - none of these trees are native to Arizona from my quick research. it would be nice to use some native plants
103. Option 1 does not have enough Indian Laurels!
104. Option 1 had less shade Option 2 doesn't have enough shade
105. Option 1 is much less diverse and colorful
106. Option 1 looks like a lot of work and little benefit

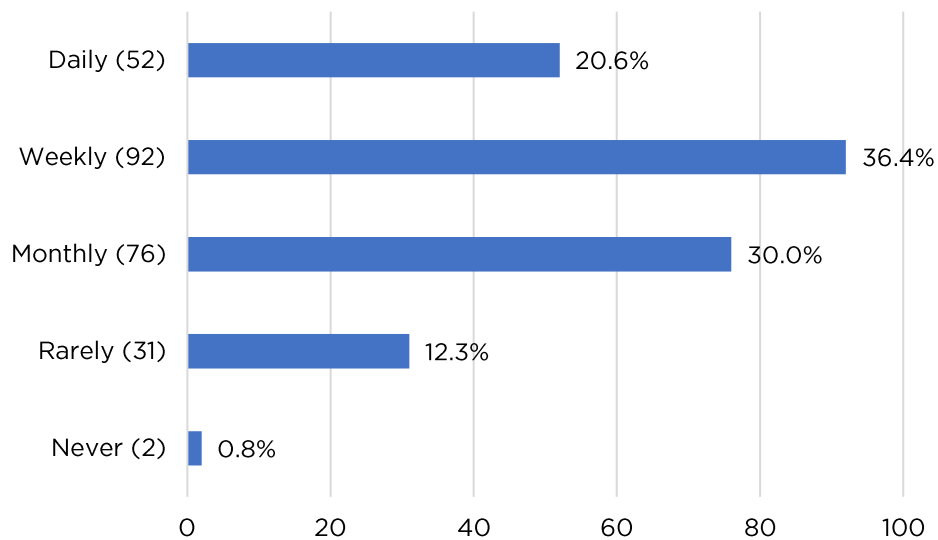
107. Option 1, I feel like tipu trees leave a lot of leaves around. Not a huge downside, but the biggest one I could think of. Option 2, I'm really focused on native plants and the only native option there is really the tipu tree.
108. Option 1: Not a fan of mastic tree Option 2: like the better balance between Indian Laurel and Tipu in option 1
109. Option 2 - I like olive trees, but some people are allergic to them Option 1 - tipu trees are beautiful but leave a huge mess
110. Option 2: Might provide slightly less shade. Option 1: Tree variety is lacking.
111. Option two is very uniform and would work very well in some circumstances, but I think downtown Tempe needs more variety. Option one may not provide as substantial shading compared to option two given the 50% proportion of the Tipu tree, though this is probably marginal and can be negated by simply letting the trees grow.
112. Option2 - too heavily Ficus; time to introduce other tree species while keeping Ficus in the mix (50/50 Option1).
113. Pistacia lentiscus and mastic tree because they're scrawny and remind me of desert trees I'd see while out hiking South Mountain or any mountain around here. I'm not trying to think of rocky desert when walking and shopping Mill Ave.
114. Please do not consider the Tipu!! The root system will destroy the nearby plumbing. Please read about the disaster these trees create.
115. Please no Palo verdes.. they vomit flowers and break too easily.
116. priority to shade
117. see above
118. See above.
119. Sparse and small shade area.
120. That the median trees look like they may be messy when they flower
121. The boards do not have enough information about the species and their properties relative to the others, such as scale, litter, allergies, water use.
122. The City needs to make sure they stay cut back from pedestrian walkways and do not block sight lines for traffic
123. The ficus are good, beautiful, and true, and it would be a shame to cut them down needlessly.
124. The Ficus nitida is burning and dying on the street right now, yet again. They burned 4 or 5 years ago. Eucalyptus is a dangerous tree to have near roadways because the tree drops branches and bark continuously as it is known as a self pruner.
125. The ficuses have certain problems: they developed sooty canker about 15 years ago and we almost lost all of them. Many are very distressed from this summer's heat. And many were dead even before the summer. They have a wide canopy and require regular pruning-they pushed up against my building (Tempe Hardware) on several occasions and overhung the street. I dont believe they are considered drought resistant. Im not familiar with the Tipu but wonder if it has enough history of success in our climate to risk putting in a lot of them. The Heritage Oaks were tried several years ago and seemed ok. A columnar shaped tree would fit the sidewalk better than your two choices. Street tree selections should not rely on the untrained public's opinion as much as a highly qualified arborist and landscape designer. Id like to see more options.

126. The fruitless olive trees never stay "fruitless". I have two in my yard and they started with fruit 5 years later. The bees take the pollen from the fruiting trees and spread their "love" to the fruitless. Now we have to have them sprayed every year so they don't get fruit.
127. The Ghost Gum tree
128. The huge eucalyptus tree seems out of place for an urban, densely-populated downtown area. Likewise, the ficus nitida can grow up to 50-60 feet tall at maturity. (If the ficus nitida is regularly trimmed, it could be maintained at 10-30 feet tall). So is the desire to have huge, 50-60' trees downtown? Such large trees would seem to detract from the cozy, narrow-street, old-time downtown look of this dense area.
129. The Indian Laurel gets big in size and its roots are invasive. Might lift up sidewalks. Have had bad experience with litter of branches, seed pods and leaves from Eucalyptus trees.
130. The Mastic tree
131. The primary trees with the flowers. They will be messy, and require more maintenance, which the city is not very good at. That in turn will be left to the few merchants left on mill, but I doubt they will be keeping up with the mess.
132. The tipuana tree is supposed to have an invasive root system and would not be appropriate. You have chosen trees that are not native and take more water. Eucalyptus tends to lose branches in storms . noe of these are good choices. Consult with the Desert Botanical Garden before planting this space.
133. The use of Ficus and Swan Hill Olive trees. Please consider native or near native trees such as Palo Verde, Desert Willow, Acacia species or Chitalpa trees.
134. The use of the gum and olive in the medians
135. There will never be too many trees on Mill Avenue, so what I like least about each option is that there won't be enough trees installed and maintained to shade the sidewalks from University to Rio Salado. The shade from trees makes Mill Avenue, and all other streets and sidewalks in Tempe, useful and great. Add more trees over sidewalks, add more trees to Tempe parks, add more trees to Tempe streets.
136. Think trees cover signs of business. Maybe install directories along the sidewalk to inform other of other shops down the road.
137. Tipu trees
138. TOO MANY FICUS! They are horrible, and the City should not encourage people to plant them. They grow out of control and ruin neighbor walls, sewers, and suck up all nutrients and water they can find, thus, devastating neighborhood yards. Plant examples of what people with normal yards should be planting for shade, water conservation, and the fostering of pollinators. Use the trees that Tempe had 100 years ago to support and maintain history, interesting windowed establishments, and a small town but up-scale feel.
139. Too much ficus on both choices
140. Tree selection should be consulted with arborist to maximize tree shade coverage (which needs to be augmented with shade structure additions), profile native plants, safety of nearby city pipes/lines/buildings, and ensure plants thrive with low water environment. Why are there NO native trees in

these two options? Fruitless olive is a big NO - the maintenance for maintaining fruitless status, highly allergenic nature, and suboptimal shade coverage make this a terrible choice!

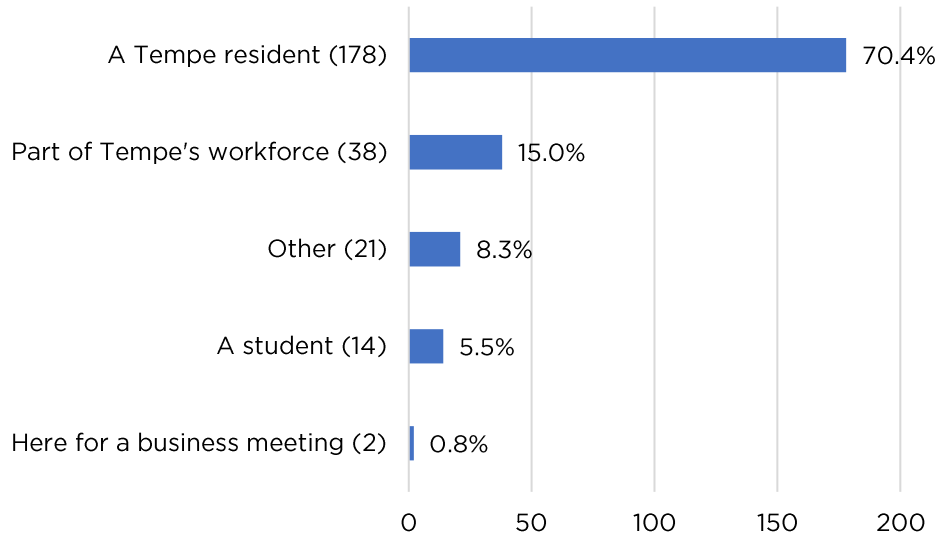
- 141. Tree variance isn't needed. Just use the ficus. The tipu flowers leave a massive mess on the ground in the fall and I don't want to have to deal with it.
- 142. we should not be planting more Ficus trees downtown. The roots are damaging to the surrounding sidewalks and streets. they require too much water and are easily damaged by frost and extreme heat. I was unable to attend a meeting on this, I hope the intent of each option is to replace the ficus as they die with the other primary street trees.
- 143. Weird accent trees
- 144. Whats wrong with the existing tree? Lets not cut them down
- 145. Why do new trees need to be planted? Why can't the existing trees be utilized?
- 146. Why not a desert low water use concept. Save our tax money. We've watered those ficuses for a long time. Why do you have to now remove the rest of them you didn't remove during redo 1-5 It's a pretty canopy but the merchants have to clean bird poo every day
- 147. Will the roots of the tipu trees damage the sidewalks?
- 148. Wish there was more color. I love bougainvillea and think a touch of that would really brighten up the area.
- 149. Wish there were more desert natives
- 150. Would like some more desert plants.

7. How often do you visit Mill Ave?



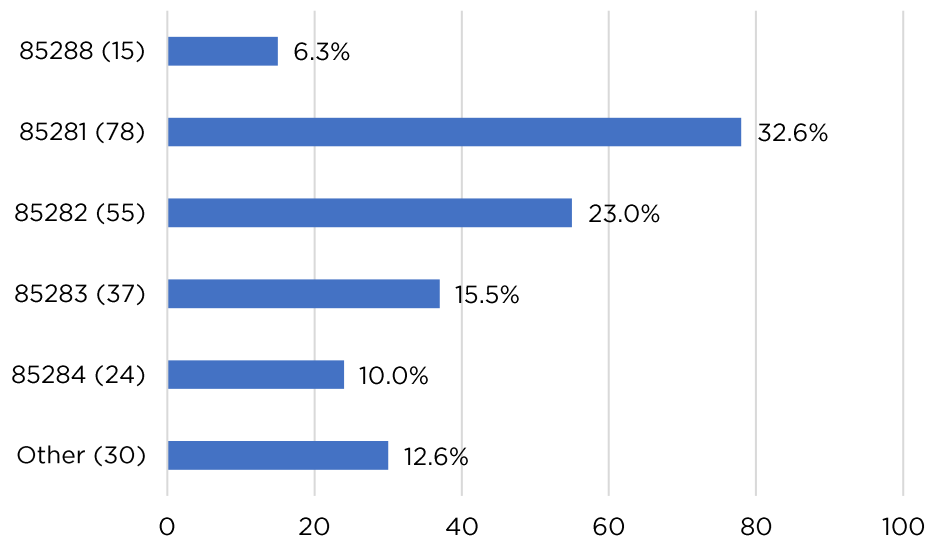
Responses: 253

8. I am best described as:



Responses: 253

9. Zip code:



Responses: 239

IV. Emails

1. July 28, 2023 – They all look great. Due to climate changing I would like to start paving the streets in the white asphalt/coating which doesn't absorb the heat. Might we turn Mill between University and Rio Salado into a pedestrian mall without traffic except street cars?
2. Aug. 14, 2023 – I read with interest the article in today's Republic about the modifications to Mill Avenue. I am fully cognizant of the shortcomings of the media and the dearth of mention of ADA inclusion is wide spread whether in regard to public projects or the private sector. That being said, I presume that ADA compliance is not being ignored and the lovely cross walks will be compliant as will the height and spacing of the bricks among other components. So I ask, what is included in the Mill Street project and the review of the transition plan for compliance?
3. Aug. 21, 2023 - I recently finished watching the recording of your excellent presentation on the Downtown Tempe Refresh plan and have a few thoughts:
 1. Of the 3 sidewalk options, my preference would be No. 2-salvaged brick at least for the "Historic Core" Third-Sixth Street. It most accurately reflects the area's history. It could be combined with those elements from No. 1 which depict characters or scenes from Tempe's history. If one of the other plans is used elsewhere on Mill, it would help to call attention to these three historic blocks as being distinct and special.
 2. Any artwork in the Core should emphasize Tempe history in one way or another.
 3. A project that has been floated over the years would be to identify an area e.g. Birchett Park or even Mill for engraved bricks with names of important historical characters as well as Council, Board and Commission members and others who played a leadership role in the Downtown. Admittedly this would be a time consuming effort, but it would make a strong statement of the importance of history in the Downtown.

As a past member of the Tempe Historic Preservation Commission and Foundation, I would strongly urge you to honor Tempe's rich history by calling special attention in the Refresh plan to those three blocks which still have an assemblage of historic buildings and a sense of historic character.

Do not hesitate to contact me if you have any questions.
4. Aug. 31, 2023 – letter following from Arizona Department of Water Resources



KATIE M. HOBBS
Governor

THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
1110 West Washington Street, Suite 310
Phoenix, Arizona 85007
602.771.8500
azwater.gov

August 31, 2023

City of Tempe
Attn: Comments re: Mill Avenue Streetscape
3500 S. Rural Road
Suite 203
Tempe, AZ 85282

RE: Comments on the 2022 City of Tempe Streetscape Improvements Conceptual Design Plan

Dear City of Tempe,

Thank you for the opportunity to provide comments on the 2022 City of Tempe Streetscape Improvements Conceptual Design Plan. Such highly visible landscapes are important in communicating and continuing Arizona's culture of conservation. Shade trees in these landscapes have particular value as green infrastructure with multiple benefits, and ADWR supports the utilization of a more diverse palette of drought tolerant, desert adapted trees.

ADWR further offers the following comments regarding the Plan:

Requirement Regarding Utilization of Low Water Use Plants in Rights-of-Ways:

Pursuant to the Phoenix Active Management Area Fourth Management Plan (4MP) Chapter 5-610 (3), "The municipal provider . . . shall serve or use groundwater for the purpose of watering landscaping plants planted on or after January 1, 1987 within any publicly owned right-of-way of a highway, street, road, sidewalk, curb or shoulder which is used for travel . . . including pedestrian travel, only if the plants are listed in ADWR's Low Water Use/Drought Tolerant Plant List (LWUPL) for the Phoenix Active Management Area."

Several of the Street Tree Concepts include *Ficus nitida*, which is not listed in the LWUPL. This requirement extends to both new landscaping and new plants being used to replace old or existing plants. The city must meet the requirements of the management plans by limiting plant installations in public rights-of-way to those found on the LWUPL. Any new planting of *Ficus nitida* or other plants not listed in the LWUPL in a publicly owned right-of-way would be out of compliance with this requirement and subject to enforcement action, which could include fines of up to \$10,000 per day for each violation.

Restriction on the Use of Groundwater in Water Features in Rights-of-Ways:

Pursuant to the 4MP Chapter 6-602 (6), “Do not serve or use groundwater for the purpose of maintaining water features, including fountains, waterfalls, ponds, water courses, and other artificial water structures . . . within any publicly owned right-of-way of a highway, street, road, sidewalk, curb, or shoulder that is used for travel . . . including pedestrian travel.”

Several of the Preliminary Streetscape Concepts include a water feature on the corner of Fourth Street and Mill Avenue. Any water feature within a publicly owned right-of-way that uses groundwater is prohibited under this requirement, and these designs would be out of compliance and subject to enforcement action, which could include fines of up to \$10,000 per day.

Recommendation Regarding Irrigation Infrastructure:

ADWR commends the city for investing to update the irrigation system to improve water use efficiency and reduce consumptive use of water in the landscape. We encourage the city to optimize the use of “smart” irrigation technologies to maximize water use efficiency and to include low impact design elements in the project to reduce stormwater runoff and allow it to infiltrate into the landscape, reducing the need for supplemental irrigation.

The continued leadership of Arizona's cities in managing our water supplies is increasingly important in an era of increased stress on our water supplies. The installation and proper maintenance of only desert adapted, low water use, drought tolerant trees and plants in public rights-of-way such as Tempe’s popular Mill Avenue will demonstrate the City’s commitment to sustainable water management.

Any questions regarding the specific requirements listed in these comments can be directed to Active Management Areas Director Natalie Mast at nlmast@azwater.gov.

Sincerely,



Thomas Buschatzke
Director

cc:

Nicole Klobas, Chief Counsel, ADWR

Rosa Inchausti, City Manager, City of Tempe

Richard Adkins, Urban Forester, City of Tempe

Craig Caggiano, Deputy Municipal Utilities Director, City of Tempe

Tina Sleeper, Senior Management Assistant, City of Tempe

MEMORANDUM

TO: Tempe Transportation Commission
FROM: Isaac Chavira, Interim Engineering & Transportation Deputy Director
Ed Bond Jr, Sr Civil Engineer
DATE: November 14, 2023
SUBJECT: Pavement Quality Index
ITEM #: 4



PURPOSE: To provide the Commission with an overview and update regarding the current average Pavement Quality Index (PQI) score for the City's street network

RECOMMENDATION OR DIRECTION REQUESTED:

This item is for informational purposes only.

CITY COUNCIL STRATEGIC PRIORITY:

- 1.22 – Pavement Quality Index: Achieve adopted standards for Pavement Quality Index equal to a citywide average rating of 70

BACKGROUND INFORMATION:

The City of Tempe's roadways are an important means of transportation for residents, the workforce, students, and visitors. The City of Tempe recognizes the importance of having roadways that are in good condition. To determine the order and priorities of which streets will receive a pavement treatment, a Pavement Quality Index (PQI) score is developed for each street segment, which is measured 0-100 (Poor to Excellent). This measure is used by the City to plan for maintenance and repairs, and to allocate resources in the most efficient way possible.

The presentation provides a summary of the current condition of the pavement network, the strategies used with this strategic priority, and an overview of the pavement treatments used on City of Tempe roadways.

FISCAL IMPACT or IMPACT TO CURRENT RESOURCES:

None

ATTACHMENTS:

PowerPoint Presentation

Pavement Quality Index

Transportation Commission

November 14, 2023



Tempe

Performance Measure 1.22



- Achieve adopted standards for Pavement Quality Index (PQI) equal to a citywide average rating of 70 or higher.



Safe and Secure
Communities



Strong Community
Connections



Quality of Life



Sustainable Growth
and Development



Financial Stability
and Vitality

Why does the measure matter?

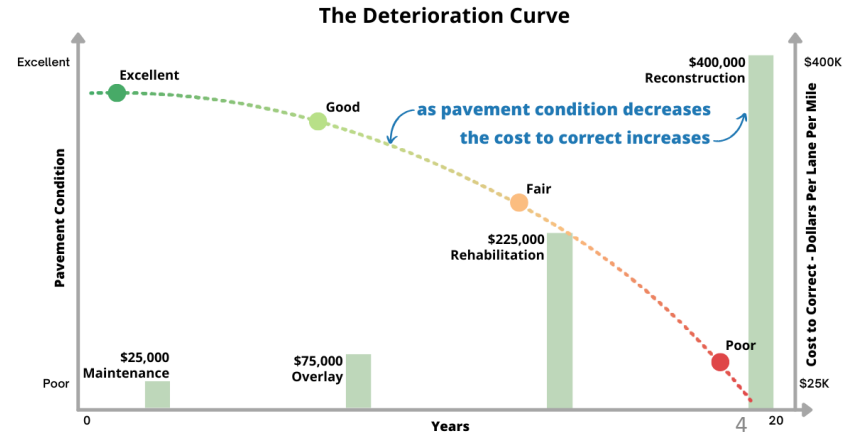


- Tempe's roadways are an important means of transportation for residents, the workforce, students, and visitors.
- PQI provides a numerical representation of the current condition of the pavement within the roadway system.
- Pavement defects contribute to uncomfortable travel conditions. Knowledge of our current pavement condition allows for City to accommodate all modes of traffic including pedestrians, bicyclists, and vehicular traffic. Roadways free of defects allow for:
 - Emergency vehicles travel quicker and safer to calls for service
 - Passenger vehicles travel more comfortably with less wear and tear
 - Road noise is reduced
 - Vehicle safety is improved
 - High PQI = Lower cost to maintain

Pavement Quality Index – Strategies



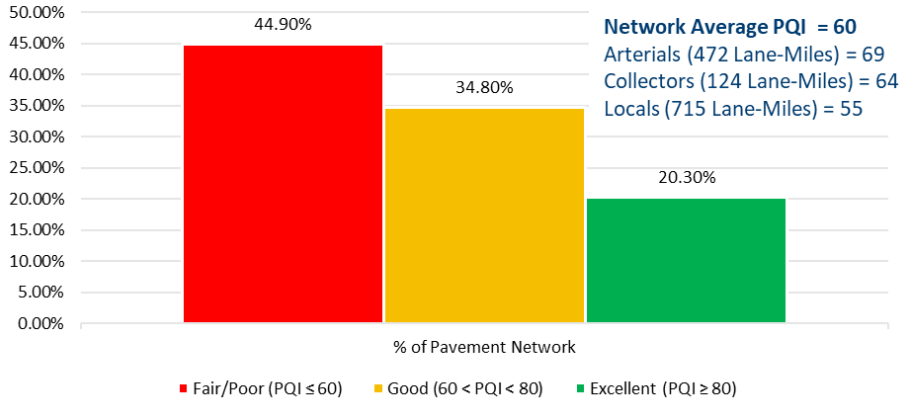
- Survey of Current Pavement Condition
 - Year 1 – Arterials
 - Year 2 – Residential and Collectors North of US60
 - Year 3 – Residential and Collectors South of US60
- Project Planning and Prioritization
 - When should street be resurfaced?
 - What treatment should street receive?
- Maintenance
 - Preventative Maintenance



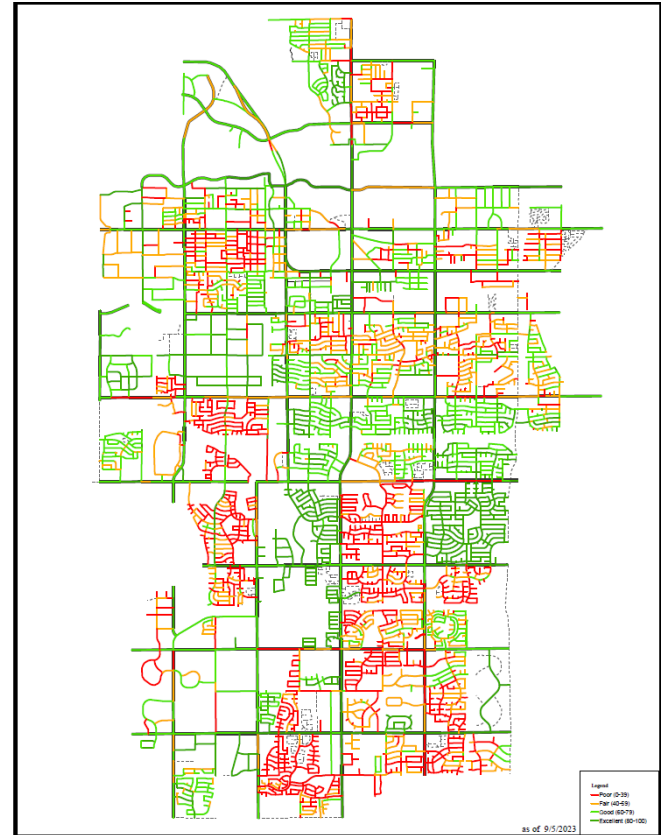
Current Condition of Pavement Network



Current Condition of Pavement Network



| Condition Rating | Number Lane-Miles |
|----------------------|-------------------|
| Excellent (PQI ≥ 80) | 266 |
| Good (60 < PQI < 80) | 457 |
| Fair/Poor (PQI ≤ 60) | 589 |
| TOTAL | 1,312 |

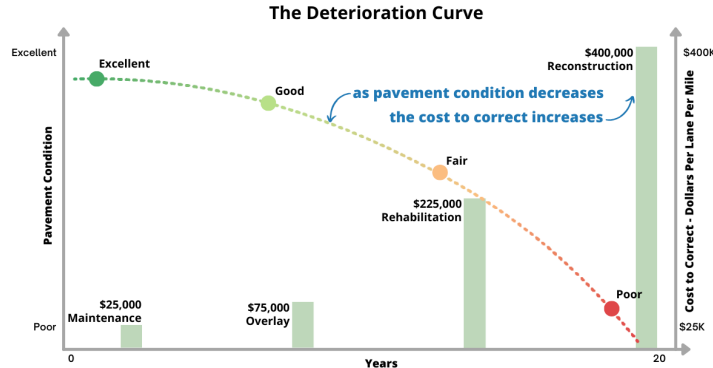


Project Planning & Prioritization



- Resurfacing is prioritized based on current pavement condition, traffic volume counts, and anticipated deterioration rates.
- Department strives to coordinate locations with other anticipated repairs such as water lines, utilities installation, and other construction
- The main objective is to treat streets before they reach a condition level that would require a costlier treatment.

| CATEGORY CONDITION | PAVEMENT QUALITY INDEX | | GENERAL TREATMENT STRATEGY |
|--------------------|------------------------|-------------|----------------------------|
| | UPPER LIMIT | LOWER LIMIT | |
| EXCELLENT | 100 | 80 | DO NOTHING |
| GOOD | 79 | 60 | PREVENTATIVE MAINTENANCE |
| FAIR | 59 | 40 | REHABILITATION/RESURFACING |
| POOR | 39 | 0 | RECONSTRUCTION |



Preventative Maintenance



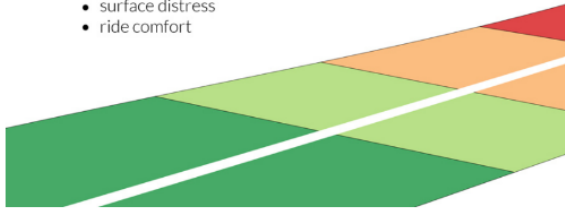
- Pavement Treatments such as crack sealing, seal coating, slurry seals, pothole repairs, etc. are performed on a periodic basis from the very early stages of the pavement's life.
- These treatments extend the life of the pavement and lower the cost to own the pavement.

Pavement Quality Index (PQI) Defined

Excellent 100 - 80 **Good** 79 - 60 **Fair** 59 - 40 **Poor** 39 - 0

PQI scores take into account:

- surface distress
- ride comfort



Did you know ...



Fast Fact: The City of Tempe Road Network includes 1,321 Lane Miles and 532 Centerline Miles!

Preventative Maintenance – Fog Seal/Sealcoat



- Extends life of pavement by 3-5 years



Preventative Maintenance – Slurry Seal



- Extends life of pavement by 4-7 years



Preventative Maintenance – Cape Seal



- Extends life of pavement by 8-12 years



Preventative Maintenance – Mill & Overlay



- Extends life of pavement by 12-15 years



Preventative Maintenance – Reconstruction



- Extends life of pavement by 20+ years





Thank You!!!

Questions?

MEMORANDUM

TO: Tempe Transportation Commission
FROM: Isaac Chavira, Interim Deputy Engineering & Transportation Director
DATE: November 14, 2023
SUBJECT: Future Agenda Items
ITEM #: 6



PURPOSE:

The Chair will request future agenda items from the Commission members.

RECOMMENDATION OR DIRECTION REQUESTED:

This item is for information only.

- December 12
 - Commission Business (Outgoing Commissioners)
 - No Right Turn On Red
 - Roundabouts
 - Mill Avenue Underpass Art
- January 9
 - 1. Commission Business
 - 2. Transit Program Update / Transit Satisfaction Performance Measure / Flash / Dedicated Transit Lanes
 - 3. CIP Update
 - 4. All Pedestrian Phase Signal Mill Avenue and Fifth Street
 - 5. Vision Zero
- February 13
 - 1. Country Club Way Bike/Ped Bridge over UPRR
 - 2. Prop 400 E
 - 3. Alameda Drive Streetscape Project (before and after)
 - 4. Scooter Corrals in Downtown
- March 12
 - 1. TMA/TDM, Personal Delivery Devices
 - 2. Traffic Bureau Update
 - 3. Available public and ADA parking spaces in downtown
 - 4. Protected Bike Lanes and How They Are Prioritized
- April 9
 - 1. Bike Hero
- May 14
- June 11
 - 1. Transportation Master Plan & Transportation Equity
 - 2. College and University Underpass Project
- July 9
- August 13
- TBD: Joint meeting with Sustainability Commission
- TBD: Western Canal (48th Street to I-10)
- TBD: Crime Prevention Through Environmental Design (CPTED)