



Kimley-Horn
and Associates, Inc.



UNIVERSITY DRIVE

Bicycle & Pedestrian

IMPROVEMENTS PROJECT



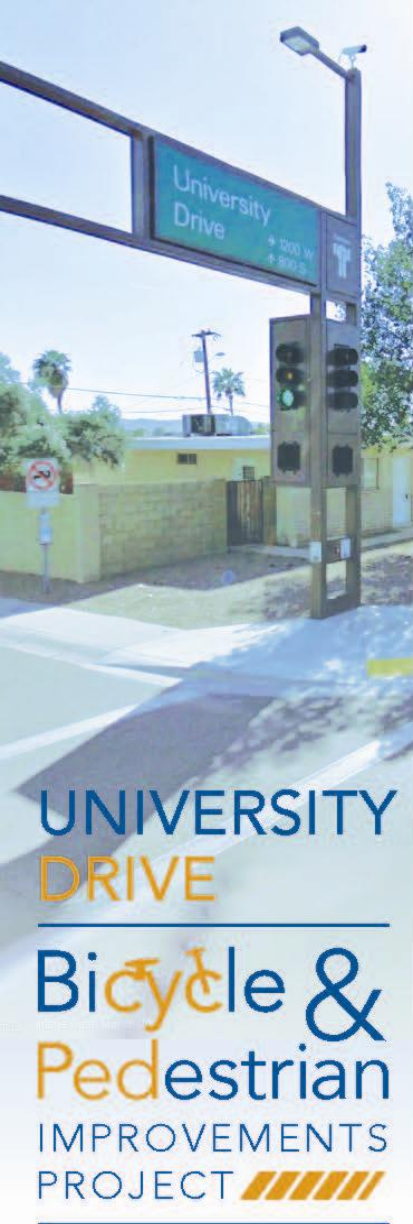
University Drive Project Staff

► Project Staff

- Eric Iwersen – Project Manager, Community Development
- Donna Sullivan – Public Works – Engineering
- Sue Taaffe – Community Relations Office
- Shelly Seyler – Transportation Division
- Julian Dresang – Transportation Division
- Tanya Chavez – Neighborhood Services
- Maja Aurora – Public Art

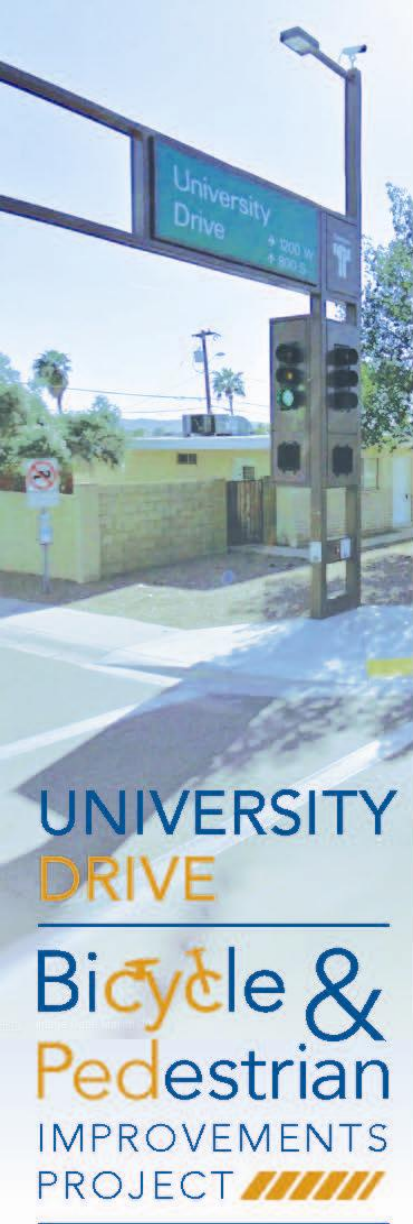
► Project Consultants

- Ray Yparraguirre – KHA Project Manager
- Adam Perillo – KHA Landscape Architect
- Emily Blinkhorn –
KHA Environmental



University Drive Meeting

- ▶ Gathering input from residents, businesses and organizations along University Drive on DRAFT design
- ▶ Updating the public about the project process, requirements, and timeline



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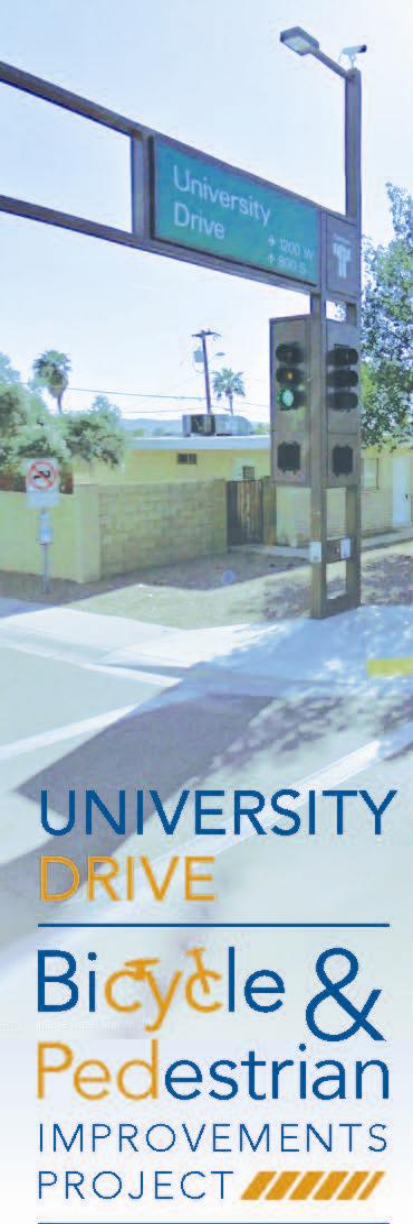
 City of Tempe®

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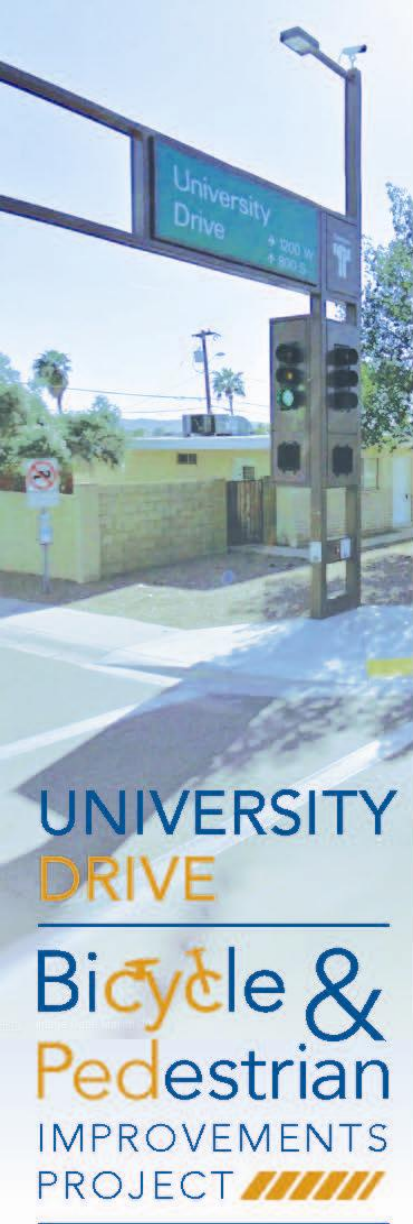
Overall Project Objectives

- ▶ Improve the multi-modal qualities of the street by providing improved access for all users
 - ◆ Accommodating ADA needs
 - ◆ Creating a better street for pedestrians & bicyclists
 - ◆ Design the street for calming effect
 - ◆ Build a complete street / equity of modes
- ▶ Enhance the streetscape on University Drive
 - ◆ Landscape
 - ◆ Public art
 - ◆ Experience



Overall Project Objectives

- ▶ Re-characterize the street as a stronger multi-modal, sustainable corridor with access for all types of users and is a complement to the adjacent businesses and neighborhoods



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University Drive

► Project Limits

- Project Limits are from Ash Avenue to Priest Drive (1 mile)

► Grant Information


- The City of Tempe requested and was approved for Congestion Management and Air Quality (CMAQ) funds for this project. \$1.1 M



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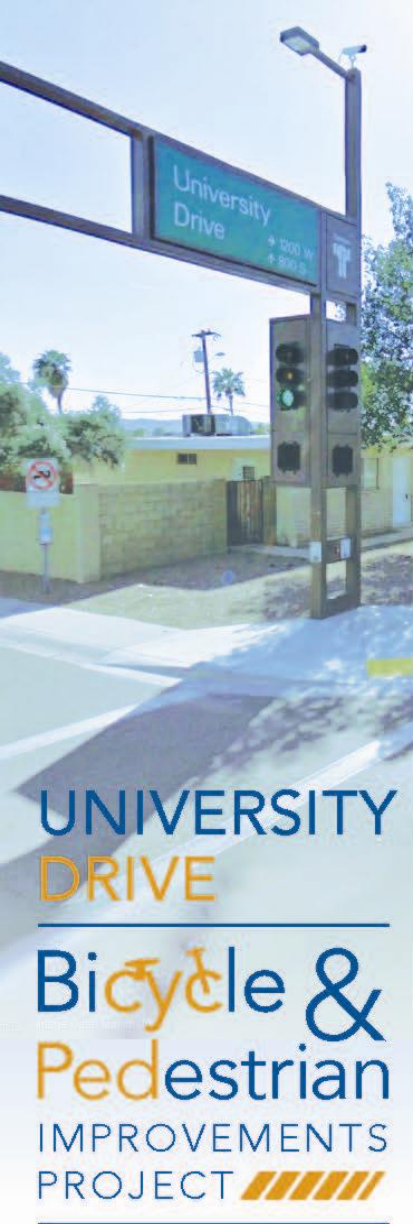
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Project History

► University Drive


- NW Tempe including: Maple Ash, Mitchell Park (East & West), Riverside Sunset, Gilliland, HOA's and Downtown Tempe
- Past public meetings (-+ 10 years) as reference and starting point (assisted with funding requests)



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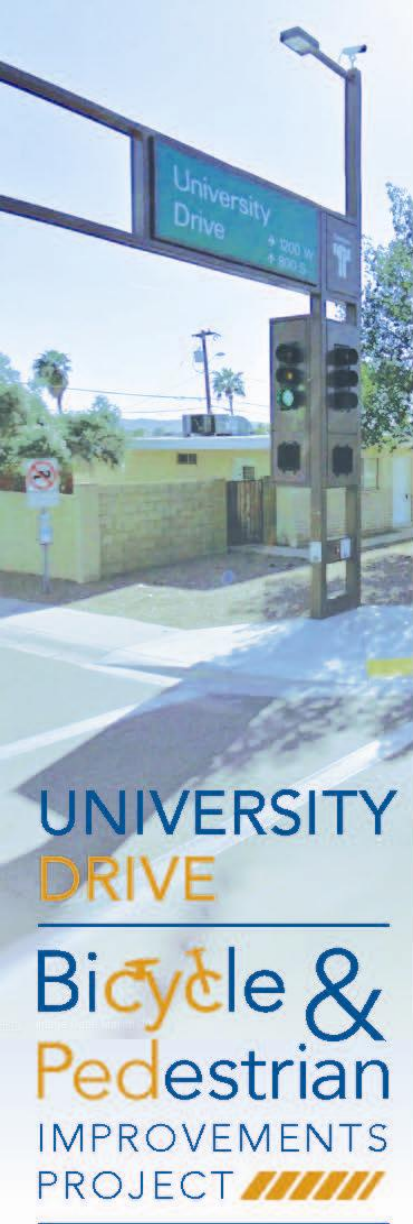
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Location and Context


- ▶ Pattern of increasing bike and pedestrian volumes & emphasis
- ▶ Decade of declining vehicle volumes (-+15%)
- ▶ This area has the highest transit boardings in the region
- ▶ Link to Tempe Streetcar Project
- ▶ Gateway to Tempe, Downtown, ASU
- ▶ Strong historic & redeveloping neighborhoods



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PROJECT AREA PART 1



PROJECT AREA PART 2

BECK AVENUE



HARDY DRIVE

PROJECT AREA PART 3

HARDY DRIVE



ROOSEVELT STREET

MCKEMY STREET

MITCHELL DRIVE

PROJECT AREA PART 4



INVENTORY PART 1

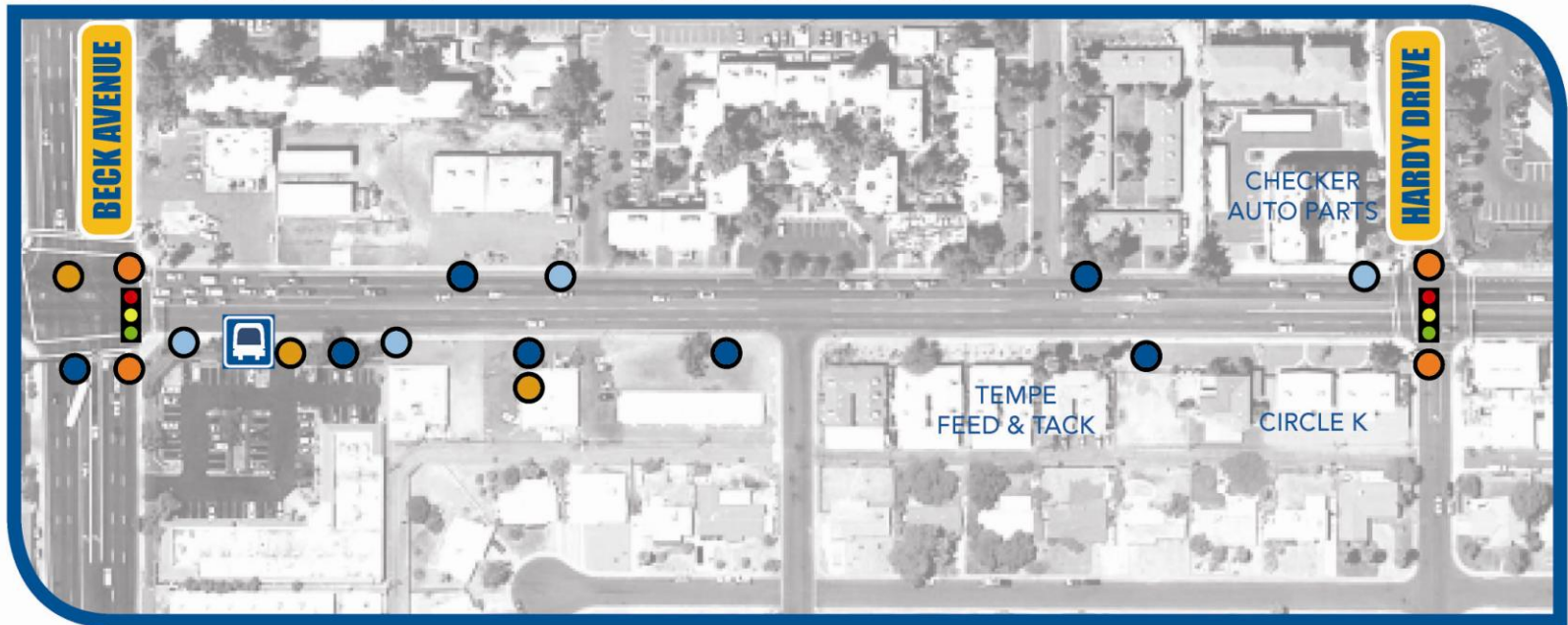


LEGEND

-  BUS STOP
-  STORMWATER DRAIN
-  FIRE HYDRANT/WATER UTILITY
-  ELECTRIC UTILITY
-  BIKE LANE ACTIVATORS
-  SIGNALIZED INTERSECTION



INVENTORY PART 2



LEGEND

-  BUS STOP
-  STORMWATER DRAIN
-  FIRE HYDRANT/WATER UTILITY
-  ELECTRIC UTILITY
-  BIKE LANE ACTIVATORS
-  SIGNALIZED INTERSECTION



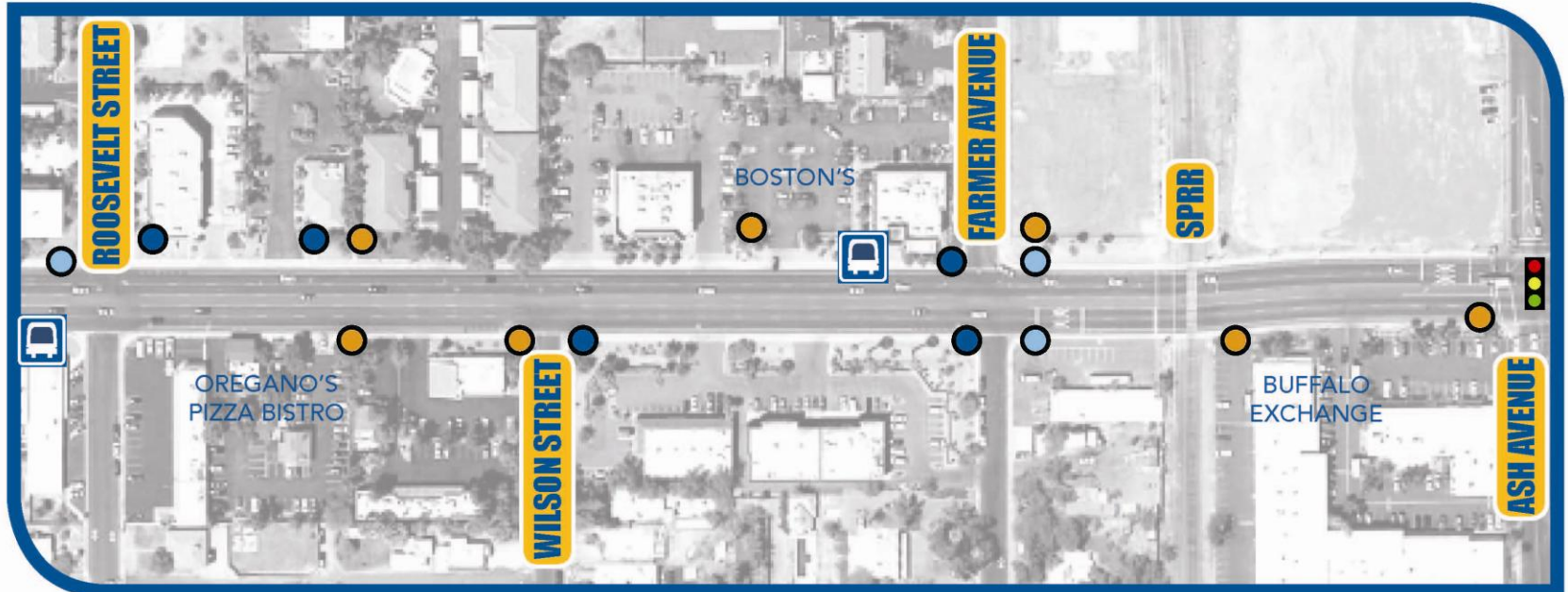
INVENTORY PART 3



LEGEND

-  BUS STOP
-  STORMWATER DRAIN
-  FIRE HYDRANT/WATER UTILITY
-  ELECTRIC UTILITY
-  BIKE LANE ACTIVATORS
-  SIGNALIZED INTERSECTION

INVENTORY PART 4



LEGEND

-  BUS STOP
-  STORMWATER DRAIN
-  FIRE HYDRANT/WATER UTILITY
-  ELECTRIC UTILITY
-  BIKE LANE ACTIVATORS
-  SIGNALIZED INTERSECTION



PRIEST DRIVE

ADA IMPROVEMENTS TO DRIVEWAYS & SIDEWALKS

LANDSCAPED MEDIAN ISLANDS WITH WATER HARVESTING, SONORAN & NATIVE MATERIAL

GREEN BIKE LANES AT INTERSECTIONS FOR ENHANCED VISIBILITY

RESTRICTED LEFT TURN; RIGHT-IN, RIGHT-OUT

MARGO DRIVE

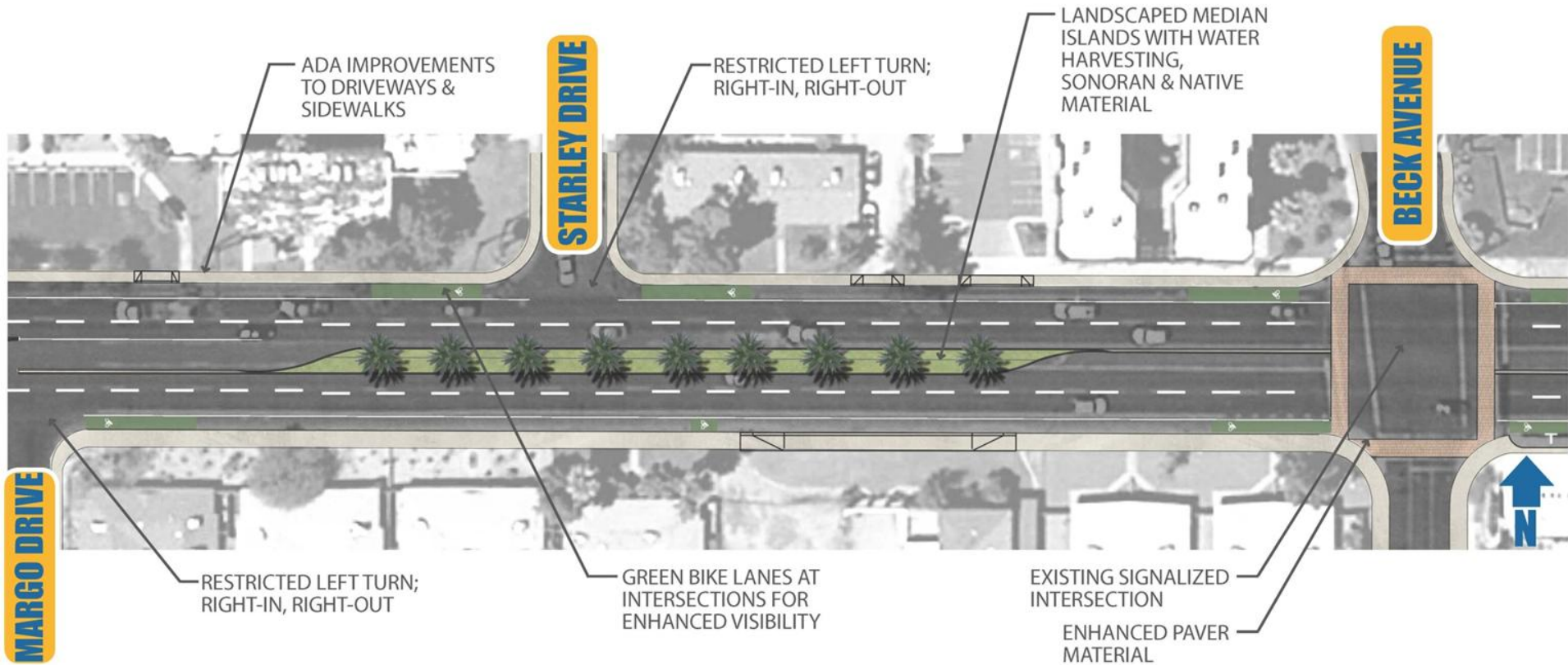
OTHER PROPOSED ENHANCEMENTS

- CONTINUOUS 5' BIKE LANES
- CONVERT CENTER TURN LANES TO MEDIAN ISLANDS WITH TURN POCKETS
- ACCESS MANAGEMENT: RESTRICTED LEFTS REDUCES TRAFFIC CONFLICT POINTS

DRAFT CONCEPT SHEET 1 OF 8

CONTACT INFORMATION

Project Manager: Eric Iwersen
 Phone: (480) 350-8810
 E-mail: Eric_Iwersen@Tempe.gov
 Web: www.Tempe.gov/UniversityDrive



OTHER PROPOSED ENHANCEMENTS

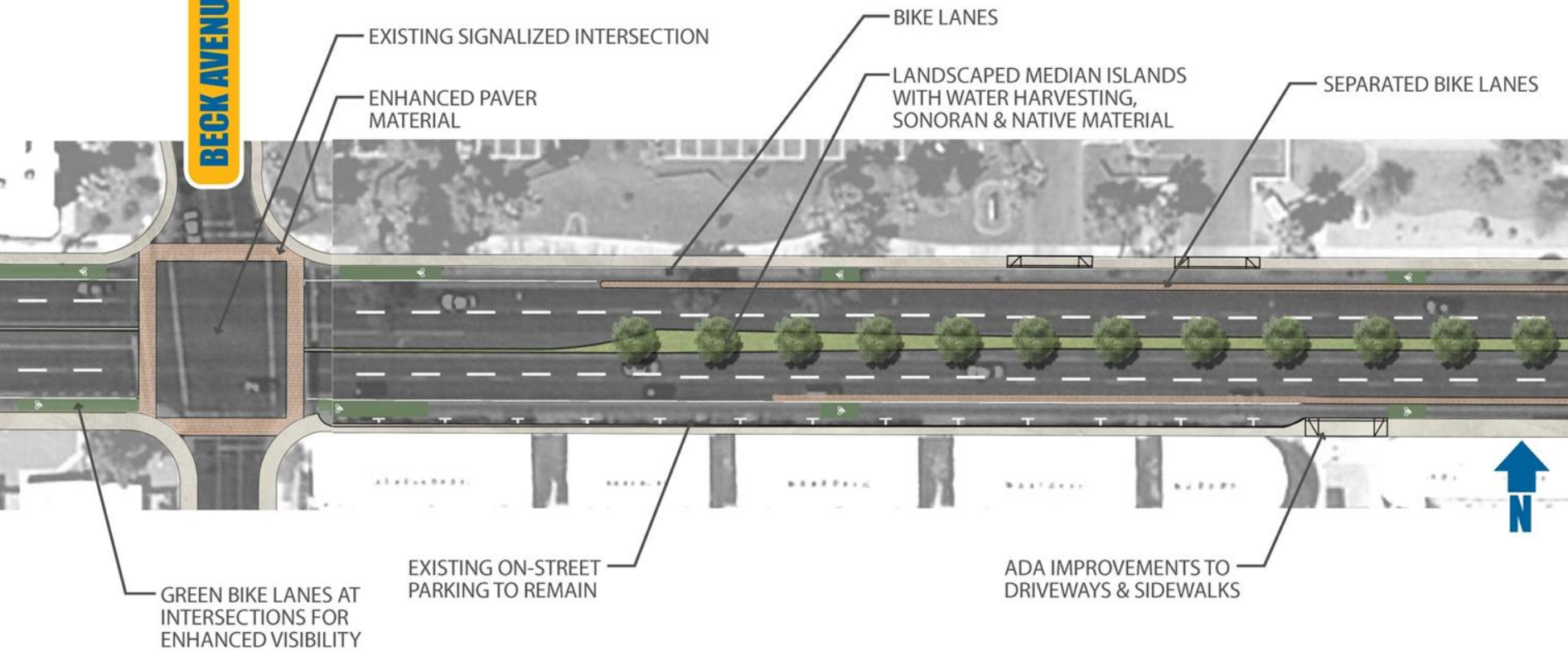
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DRAFT CONCEPT SHEET 2 OF 8

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BECK AVENUE



OTHER PROPOSED ENHANCEMENTS

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DRAFT CONCEPT SHEET 3 OF 8

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SEPARATED BIKE LANES

LANDSCAPED MEDIAN ISLANDS WITH WATER HARVESTING, SONORAN & NATIVE MATERIAL



ADA IMPROVEMENTS TO DRIVEWAYS & SIDEWALKS

GREEN BIKE LANES AT INTERSECTIONS FOR ENHANCED VISIBILITY

ENHANCED PAVER MATERIAL

EXISTING SIGNALIZED INTERSECTION

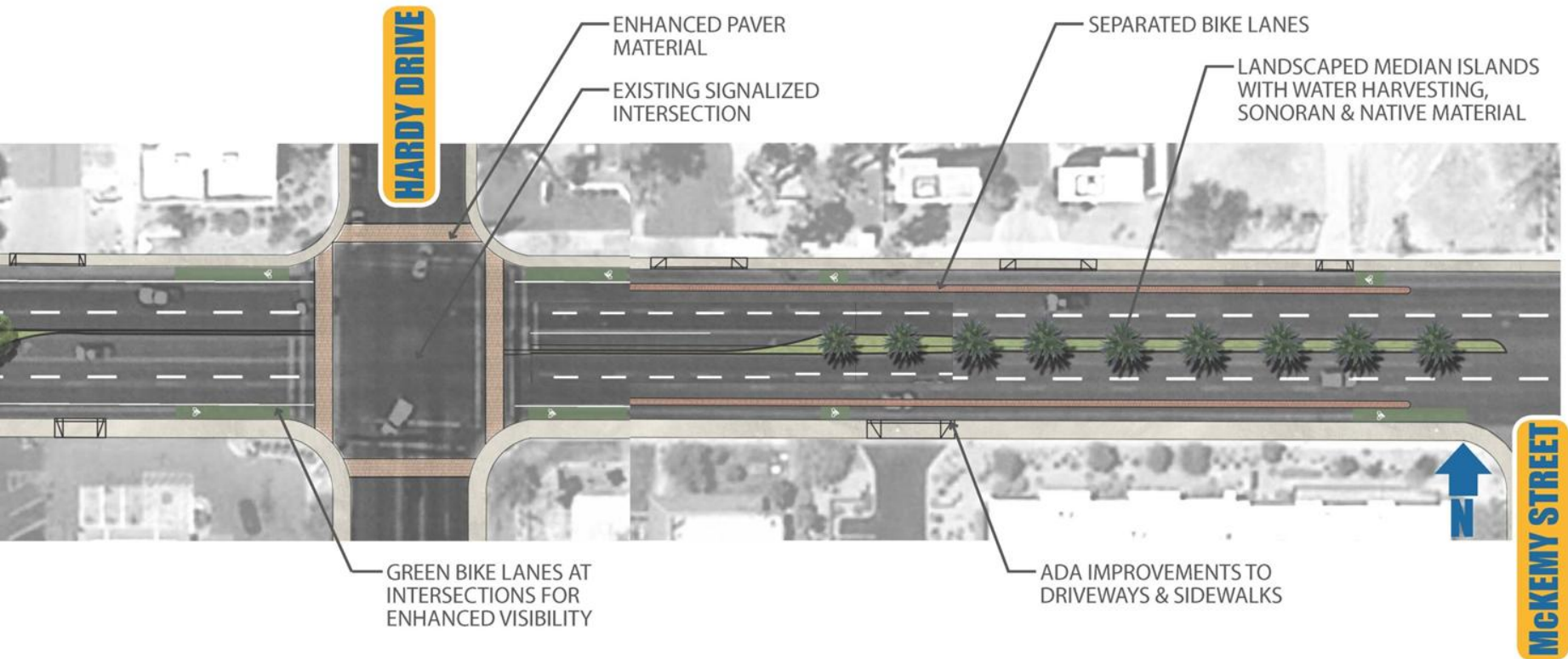
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DRAFT CONCEPT SHEET 4 OF 8

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DRAFT CONCEPT SHEET 5 OF 8

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GREEN BIKE LANES AT INTERSECTIONS FOR ENHANCED VISIBILITY

ADA IMPROVEMENTS TO DRIVEWAYS & SIDEWALKS

SEPARATED BIKE LANES

LANDSCAPED MEDIAN ISLANDS WITH WATER HARVESTING, SONORAN & NATIVE MATERIAL

BIKE LANES

RESTRICTED LEFT TURN; RIGHT-IN, RIGHT-OUT

OTHER PROPOSED ENHANCEMENTS

- CONTINUOUS 5' BIKE LANES
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- ACCESS MANAGEMENT: RESTRICTED LEFTS REDUCES TRAFFIC CONFLICT POINTS

MCKEMY STREET

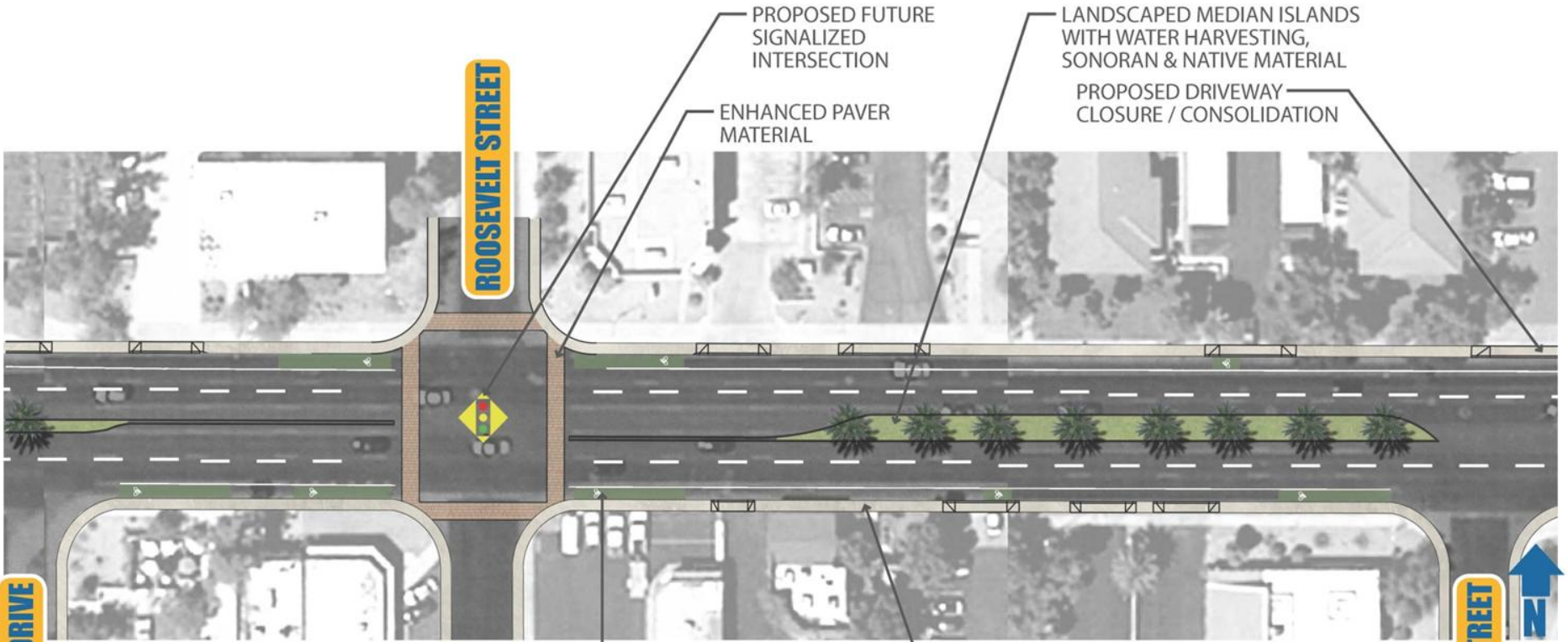
MITCHELL DRIVE



DRAFT CONCEPT SHEET 6 OF 8

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ROOSEVELT STREET

MITCHELL DRIVE

WILSON STREET

PROPOSED FUTURE
SIGNALIZED
INTERSECTION

ENHANCED PAVER
MATERIAL

LANDSCAPED MEDIAN ISLANDS
WITH WATER HARVESTING,
SONORAN & NATIVE MATERIAL

PROPOSED DRIVEWAY
CLOSURE / CONSOLIDATION

GREEN BIKE LANES AT
INTERSECTIONS FOR
ENHANCED VISIBILITY

ADA IMPROVEMENTS TO
DRIVEWAYS & SIDEWALKS

OTHER PROPOSED ENHANCEMENTS

- CONTINUOUS 5' BIKE LANES
- CONVERT CENTER TURN LANES TO MEDIAN ISLANDS WITH TURN POCKETS
- ACCESS MANAGEMENT: RESTRICTED LEFTS REDUCES TRAFFIC CONFLICT POINTS

DRAFT CONCEPT SHEET 7 OF 8

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PROPOSED DRIVEWAY
CLOSURE / CONSOLIDATION

OPTION A:
2 PHASE PEDESTRIAN CROSSING

ENHANCED PAVER
MATERIAL

FARMER AVENUE

OPTION B:
POSSIBLE FUTURE
SIGNALIZED
INTERSECTION

LANDSCAPED MEDIAN ISLANDS
WITH WATER HARVESTING,
SONORAN & NATIVE MATERIAL

PUBLIC ART OPPORTUNITY
IN MEDIAN

ASH AVENUE

SPRR

N

PROPOSED DRIVEWAY
CLOSURE / CONSOLIDATION

GREEN BIKE LANES AT
INTERSECTIONS FOR
ENHANCED VISIBILITY

RAILROAD PEDESTRIAN
CROSSING IMPROVEMENTS
(SEPARATE PROJECT)

ADA IMPROVEMENTS TO
DRIVEWAYS & SIDEWALKS

OTHER PROPOSED ENHANCEMENTS

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- ACCESS MANAGEMENT: RESTRICTED LEFTS REDUCES TRAFFIC CONFLICT POINTS

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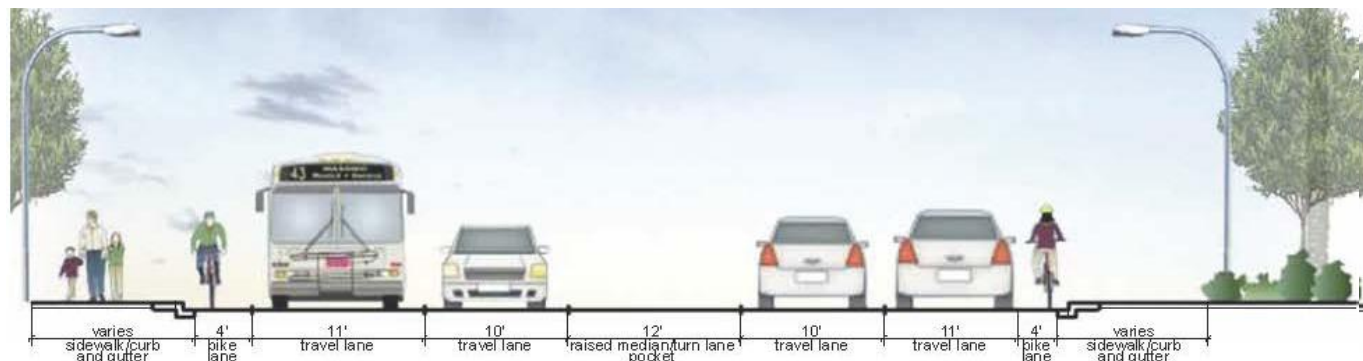
Schematic Design Sections



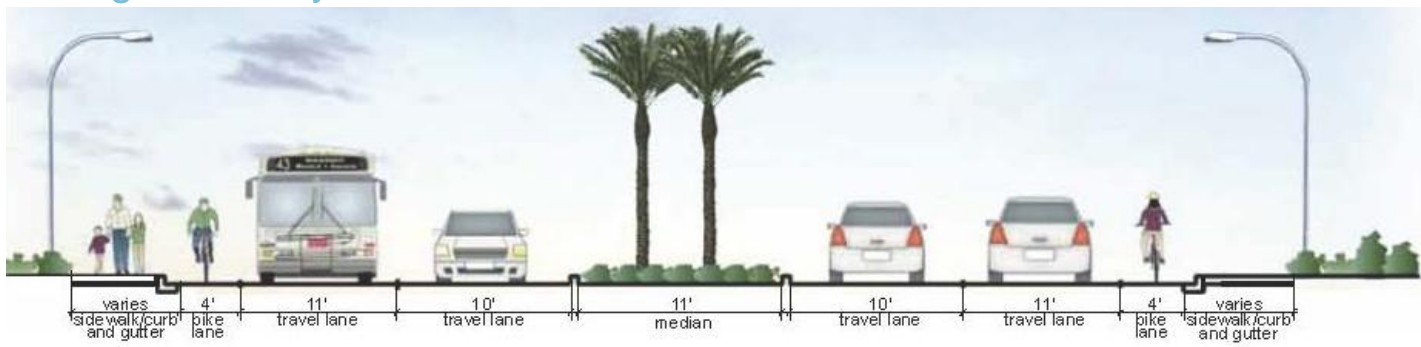
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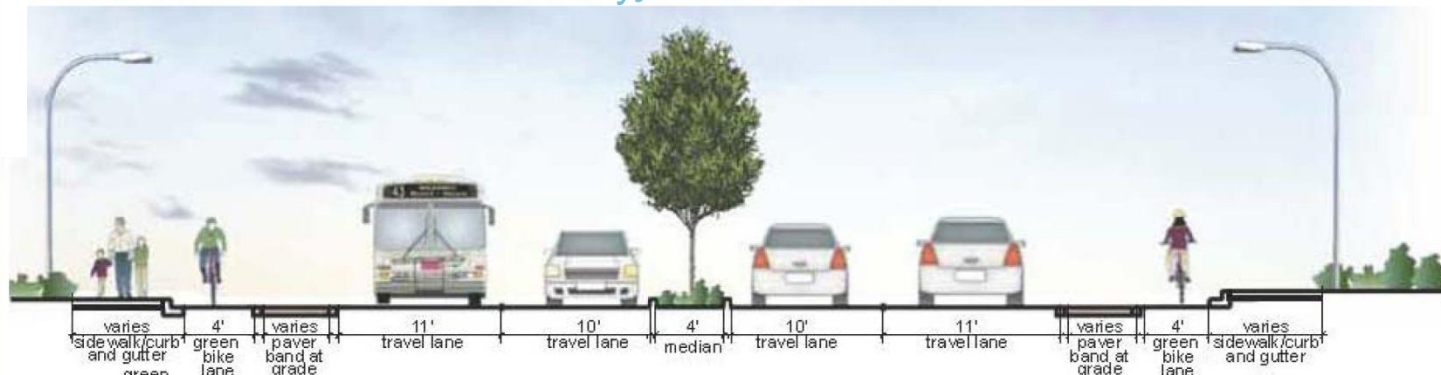
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Existing University Drive



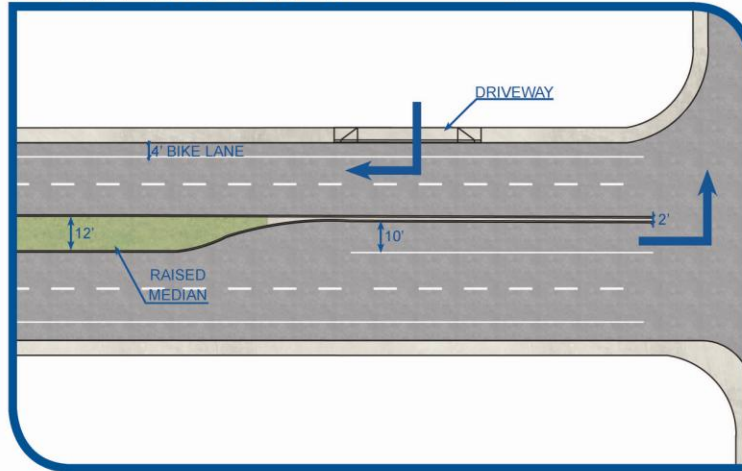
Proposed University Drive:
 Priest Dr. to Beck Ave. and Hardy, Dr. to Ash Ave.



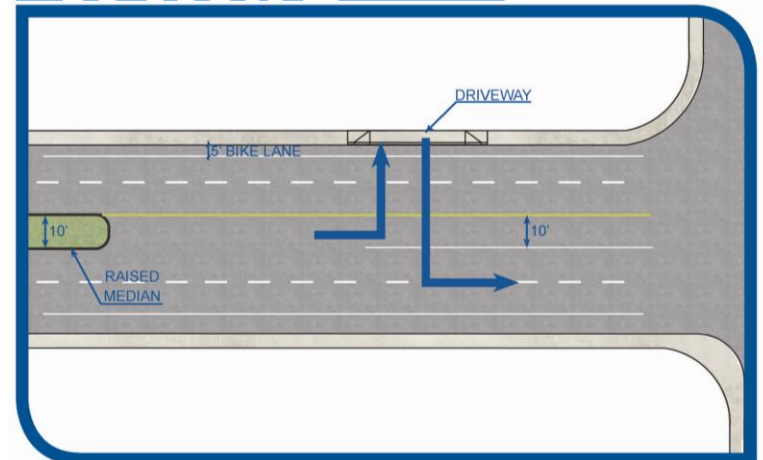
Proposed University Drive: Beck Ave. to Hardy Dr.

Median Options

OPTION 1



OPTION 2



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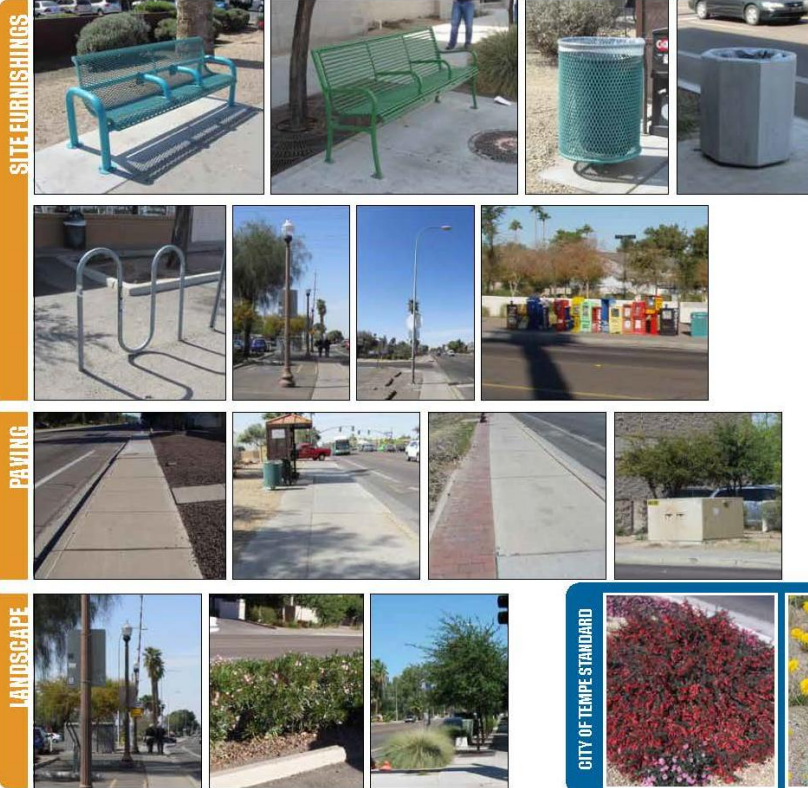
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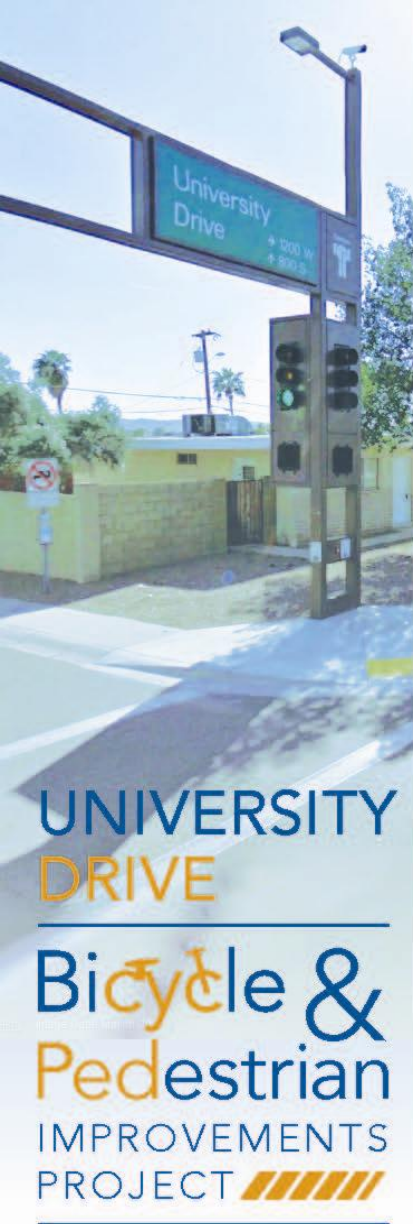
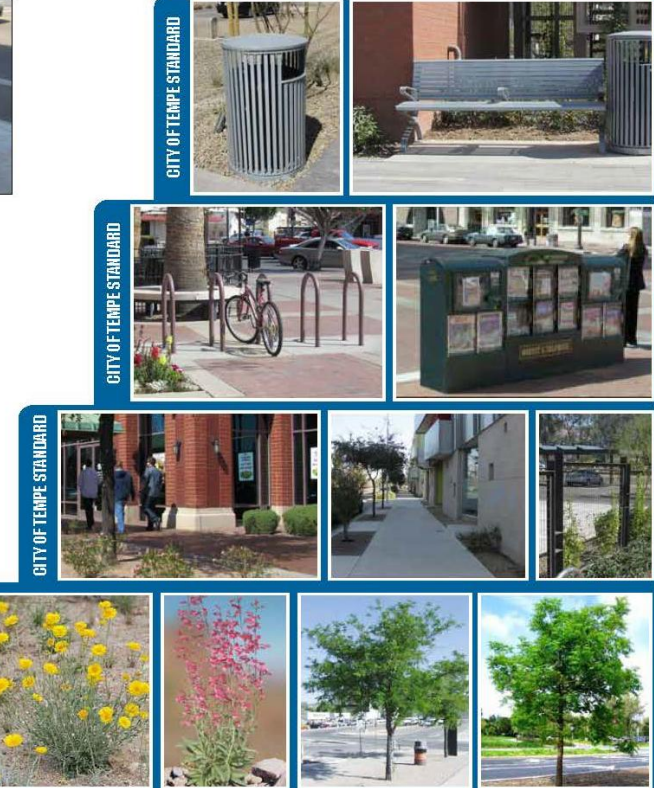
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Existing and Proposed Materials

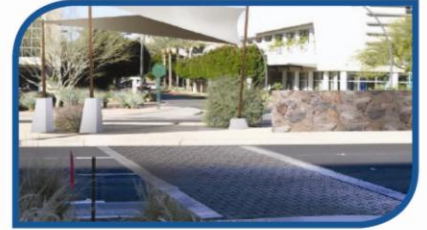
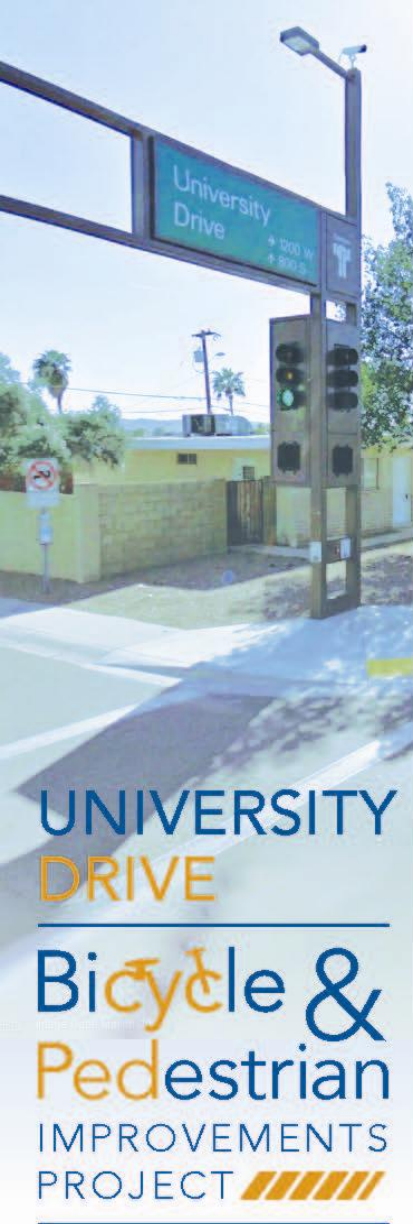
Existing Materials



Proposed Materials



Pedestrian Mid-Block Crossing



Water Harvesting



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Potential Areas for Public Art

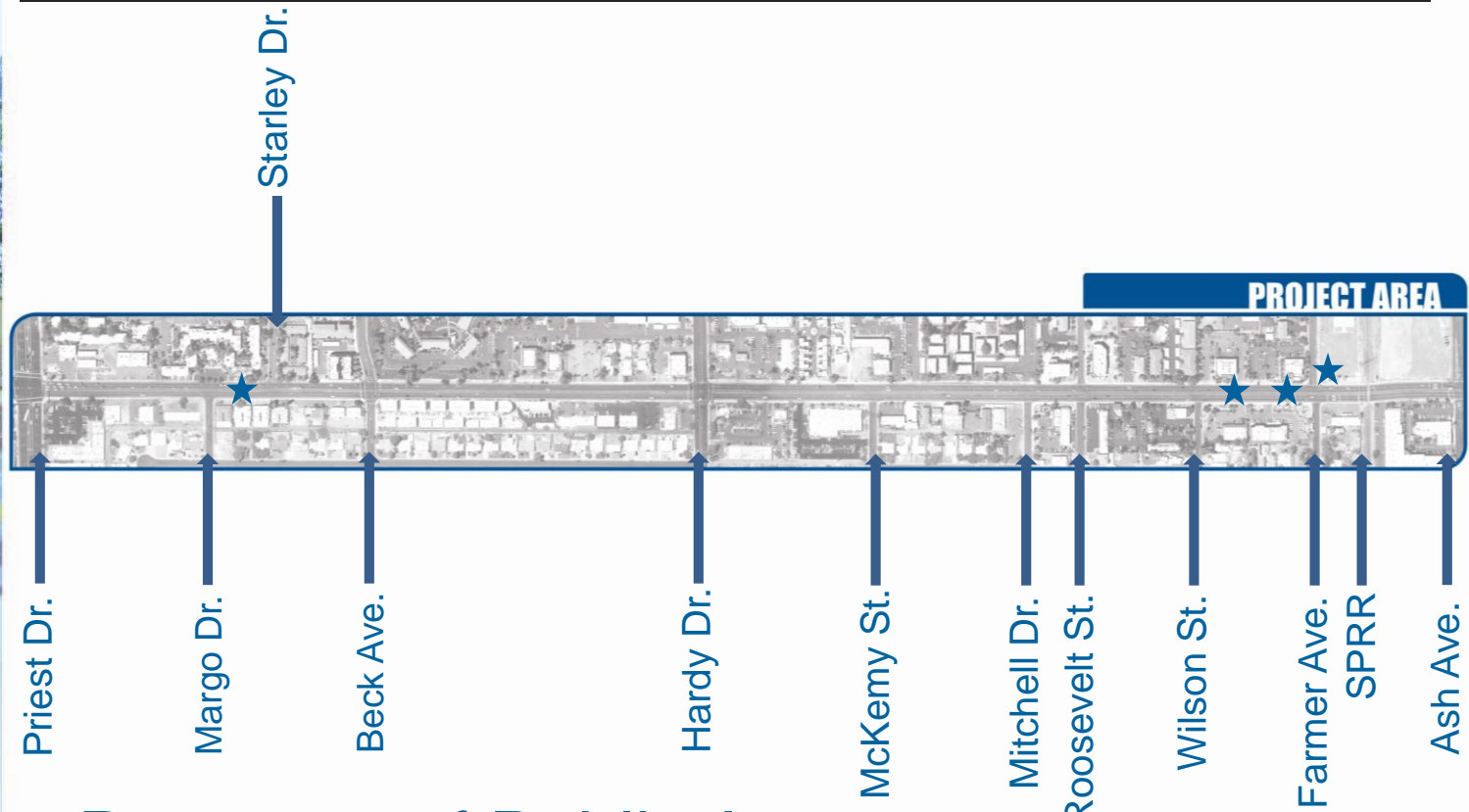


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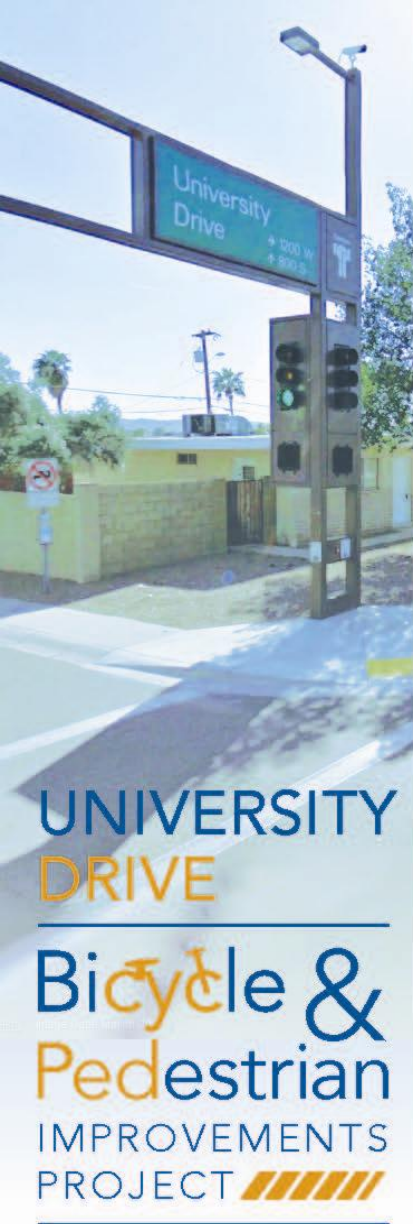


Purposes of Public Art on University Drive

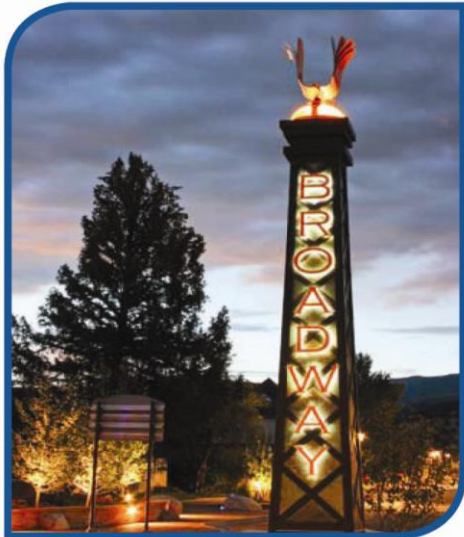
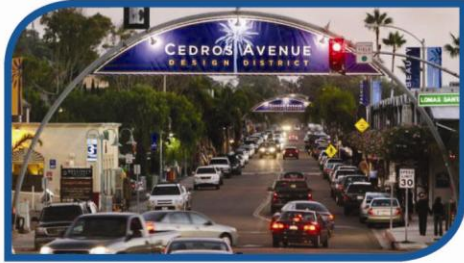
- Enrich community
- Gateway Feature
- Highlight Pedestrian Mid-Block Crossing
- Screen utilities



Public Art Opportunities



Gateway Monuments



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Project Schedule

- ▶ **Early Fall 2012:**
 - Public Meeting with Design Concepts
- ▶ **Late Fall 2012:**
 - Final Design
- ▶ **Spring 2013:**
 - Construction Documents
- ▶ **Summer 2013:**
 - Begin Construction

