

HARDY DRIVE PEDESTRIAN AND BICYCLE FACILITIES IMPROVEMENT PROJECT

May 23, 2012



Hardy Drive Meeting

■ Project Staff – Hardy Drive

- Robert Yabes – Community Development
- Eric Iwersen- Community Development-University Drive – Project Manager
- Donna Sullivan – Public Works – Engineering
- Sue Taaffe – Community Relations Office
- Shauna Warner – Neighborhood Services
- Tanya Chavez - Neighborhood Services

■ Project Consultants

- Richard Yano – AMEC Project Manager
- Brad Bielenberg – OTAK – Project Designer
- Marcie Marin – AMEC –Environmental Lead

Hardy Drive Meeting

- Gathering input from residents, businesses and organizations along Hardy Drive on potential design elements; and
- Updating the public about the project process, requirements, and timeline.

Project Objectives

- **Improve the multi-modal qualities of the street by providing improved access for all users and accommodating ADA needs.**
- **Improve pedestrian, bicycle, and transit facilities and enhance the streetscape on Hardy Drive between University Drive and Broadway Road.**
- **Embrace environmentally sustainable practices in designing the street improvements.**

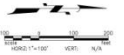
Hardy Drive

- **Project Area**
 - Hardy Drive – between University Drive and Broadway Road
 - Design and Construction Budget \$1.36 million
- **Congestion Mitigation and Air Quality Improvement Program (CMAQ) - \$1.2 million**
 - Streetscape
 - Bicycle and Pedestrian Improvements
 - Transit facilities improvements

Hardy Drive



HARDY DRIVE IMPROVEMENTS
TEMPE PROJECT NO. 6004371
BROADWAY ROAD TO UNIVERSITY DRIVE



PRINT DATE: MAY 2, 2012

Project History & Process

Project History –

- **Residents Request 2001-2002**
- **Issues Raised**
 - **Truck Traffic**
 - **Speeding**
 - **Traffic Volume**
 - **ADA Improvements**
 - **Inadequate Bicycle, Transit, and Pedestrian facilities**

Project History & Process

Project Process

- **CMAQ Funding - encourage the use of alternative modes, by building better transit, bicycle, and pedestrian facilities**
- **CMAQ Federal Funding – 2012**
- **Requirements – Environmental Clearance**
- **Process can take several years**

Opportunities/Constraints

Opportunities

- Sidewalk/Paving Improvements
- Mid-block/Transit Stop Street Crossings
- Landscaping (native) & Water Harvesting
- Shade Trees
- Public Art
- Medians
- Enhanced Bicycle Lanes
- ADA improvements
- Bus Stop Amenities

Constraints

- No right-of-way takes/purchase
- Funding

STREET INVENTORY



Multiple Lanes at Arterial Intersections



Rolled Curbing Anomaly



Storm Drains



16th St. School Crossing



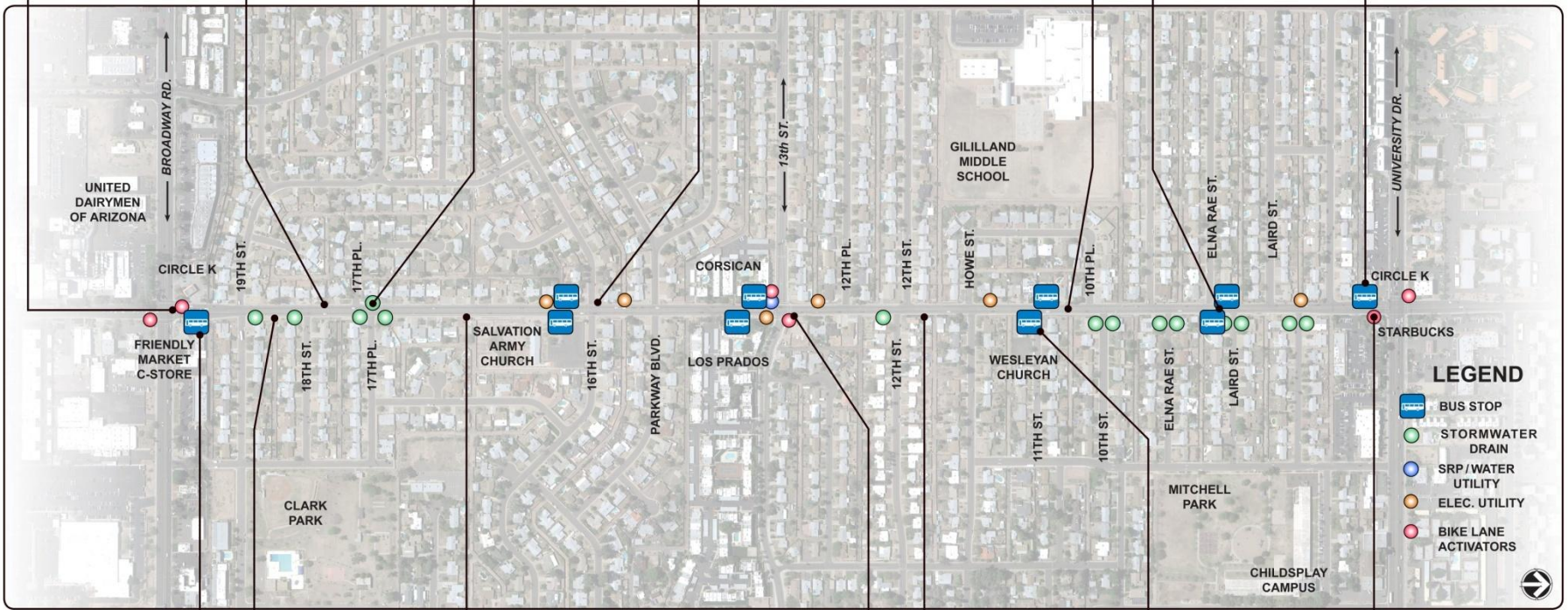
Rear-Residence Alleys



Staggered Local Streets



University Bus Stop



Broadway Bus Stop



Curb Cut & Alley Not Aligned



4' Sidewalk & Adjacent Driveways



13th St. Intersection



Curb Cut with No Access



Uncovered Bus Stop



Bike Lane Activators at University

13th ST.



Medians



Choker



Bulb-Outs



Directional Crosswalks



Traffic Circles with Public Art



Chicanes



Abbreviated Left Turn Lanes



5th ST.



Separated Bike Lanes & Choker



Traffic Footballs



On-Street Parking



Widened Sidewalks



Speed Tables



Bulb-Outs



Ramped Bike Lanes



COLLEGE AVE.



Directional Crosswalks



Stormwater Management



Water-Harvesting Areas



Medians



Tapered Lanes



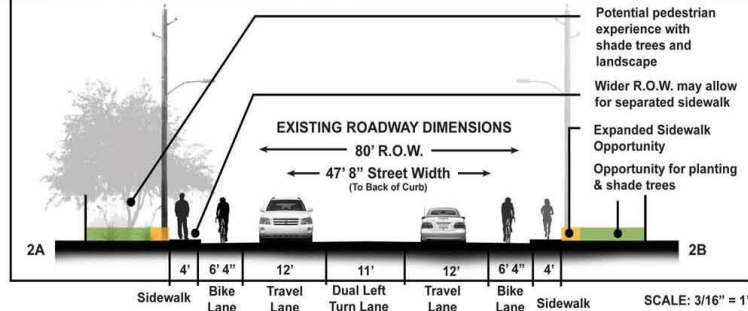
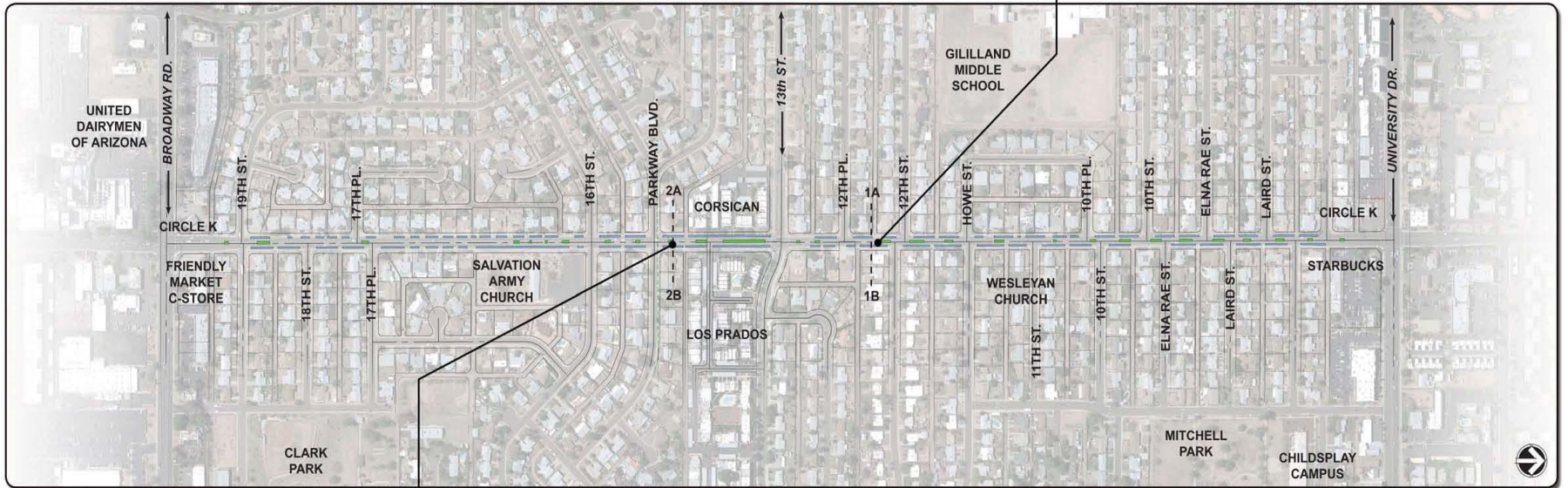
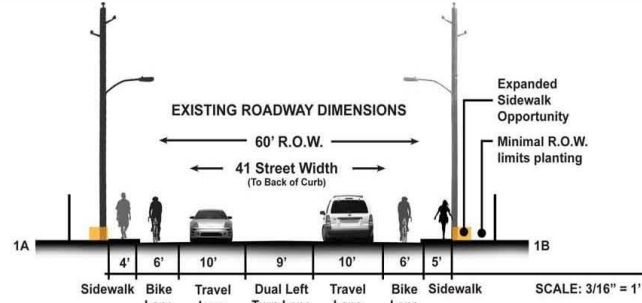
Rolled Curb & Stormwater



Speed Tables



TRAFFIC CALMING & PEDESTRIAN IMPROVEMENT OPPORTUNITIES



Project Schedule

- Public Meetings (Preliminary Design) August 2012
- Public Meeting (Final Design) Spring 2013
- Environmental Clearance – Summer 2013
- Construction – Winter 2013

Project Contacts

Hardy Drive

Project Website: <http://www.tempe.gov/index.aspx?page=2350>

Robert Yabes – Project Manager

Community Development /City of Tempe

Tel: 480-350-2734 / E-mail: robert_yabes@tempe.gov

University Drive

Project Website: <http://www.tempe.gov/index.aspx?page=493>

Eric Iwersen - Project Manager

Community Development /City of Tempe

Tel: 480-350-8810 | E-mail: eric_iwersen@tempe.gov

Project Resource

Hardy and University Drive projects are being funded with federal CMAQ grants:

For CMAQ Program Description, visit:

- <http://www.fhwa.dot.gov/environment/cmaq/index.htm>
- <http://www.fhwa.dot.gov/environment/cmaq06gd.pdf>