Road Diet for Multimodal Use: The City of Mesa Experience

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Introduction

1. Fiesta District
2. Stadium Connector
Fiesta District Background

- Redevelopment Project – District in Transition
  - Regional Mall recently closed
  - Retail based economy to job focus
- Planning began in late 2000’s
Fiesta District Before Conditions

Southern Avenue
- 6 lanes
- Declining vehicular volumes (35K ADT to 25K ADT)
- Attached Sidewalks
- Sparse Transit Amenities
- No aesthetics
Fiesta District Implementation Plan

- Develop final concept
- Shifted pedestrian focus from the center of district to Southern Avenue
Fiesta District Implementation Plan

PROPOSED IMPROVEMENTS

- 2 thru lanes

EXISTING CONDITIONS

- 3 thru lanes
Fiesta District Challenges

- Two Phased Approach
- Cost/Funding - $28.5M
- Utilities
  - Narrowing the roadway is easy above ground
- Public Input
  - Help see the vision
- Scope Creep
Fiesta District Finished Product

Street Section

Lights and Colored on Pavement
Fiesta District Finished Product

Aesthetics – Making sure it meets expectations

Wraps and Mixed-use Safety
Fiesta District Finished Product

- Sight Visibility Triangles
- Low Impact Development
- Transit
- Pedestrian Nodes
Fiesta District Lessons Learned

1. Have a vision – stick to the vision
2. We lived without the third lane
   I. No shift to adjacent arterials – No LOS degradation
   II. Great amenities for pedestrians/bike riders
3. Reduced crashes at intersections
   I. 30% reduction in Phase 1 over 3 years
4. Economic Development
   I. $81.5 M in investment since 2015
5. Maintenance
Stadium Connector Background

- Finish Connection for path through Mesa
- 3.25 miles
- Connects Mesa’s two spring training stadiums
- Could not use existing canal
  - Private Property
  - Steep Grades
Stadium Connector Study

- Study complete in 2014
- Multiple routes analyzed
- Nothing was off the table
Stadium Connector Preferred Alternative

2-Way Cycle Track
- Remove one lane from arterial streets
- Cross arterials at existing traffic signals
- Provide 12 foot pathway with 4 foot buffer median
Stadium Connector Challenges

- Design Challenges
  - Cycle track turned in 4 locations
  - Conflict Points
  - Green markings
- Public Input
  - Concern of lane reductions
  - Removal of a traffic signal
Stadium Connector Finished Product

Stadium Connector
Stadium Connector Finished Product

Stadium Connector

Cycle Track and Transit
Stadium Connector Finished Product

90 Degree Turn

Branding
1. Think Outside the Box
2. We lived without the third lane
3. Maintenance
4. Cycle Track vs. Protected Bike Lanes
Questions