

DESIGN CONCEPT REPORT

MESA DRIVE - 8TH AVE TO MAIN ST



BACKGROUND

- Mesa Drive Improvements Included in Regional Transportation Plan
 - Capacity
 - Safety
 - Multi-modal
 - Completes Route - US60 to Main Street/Light Rail
- Supports City Council Strategic Initiatives
 - Connection to Downtown
 - Improved Transportation Networks
 - Bike - Pedestrian - Light Rail – Street



PROJECT GOALS

- Accommodate multi-modal access
- Improve safety throughout
- Improve capacity at Mesa Drive/
Broadway Road intersection
- Improve connectivity between
downtown & regional freeway
systems
- Aesthetically enhance Mesa Drive,
gateway to downtown
- Minimize right-of-way needs & costs
- Renew utility infrastructure -
electric, gas, & water



PROPOSED IMPROVEMENTS



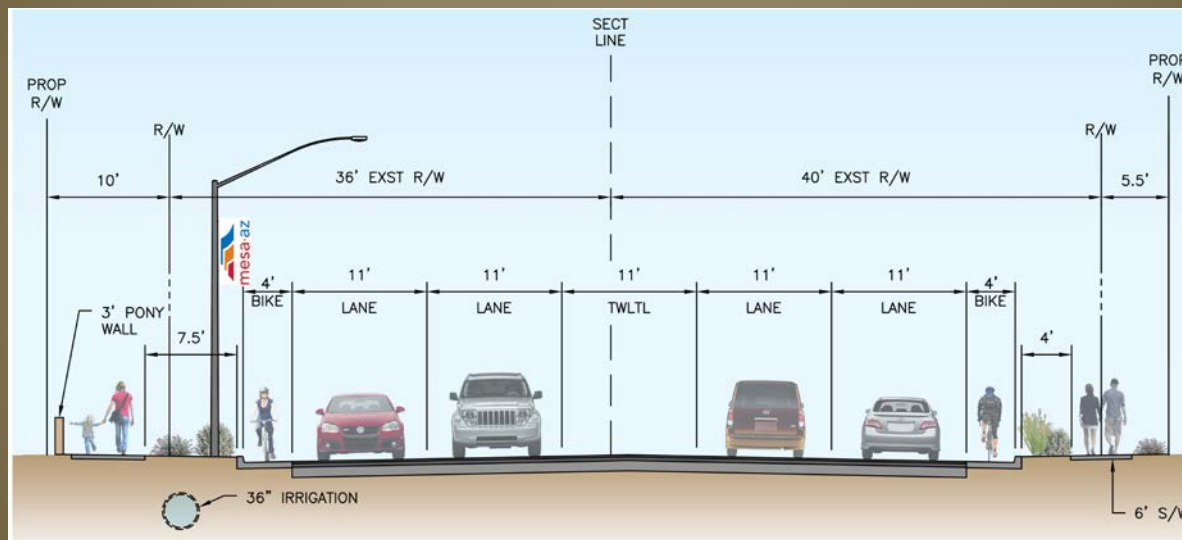
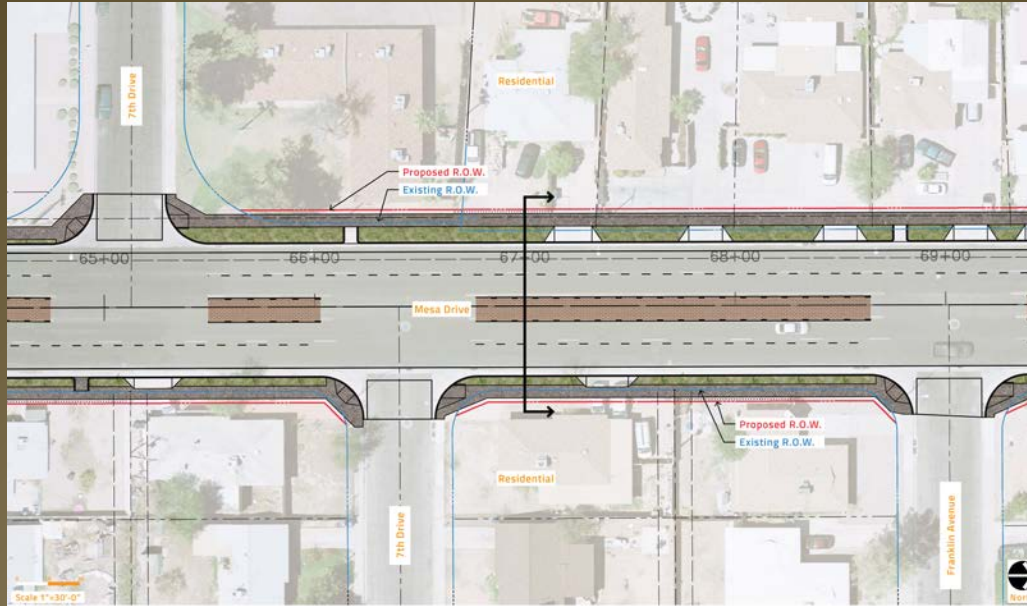
- 5-lane Urban Roadway Section
 - Two-way Left Turn Lane
 - Bike Lanes
 - 6-foot Wide Sidewalks
- Broadway Road/Mesa Drive Intersection
- Landscaping, Hardscape & Artistic Elements
- New Bus Stop Amenities
- Underground 12kV Electric & Communication Lines
- Replace Water & Gas Mains

DESIGN CONSIDERATIONS

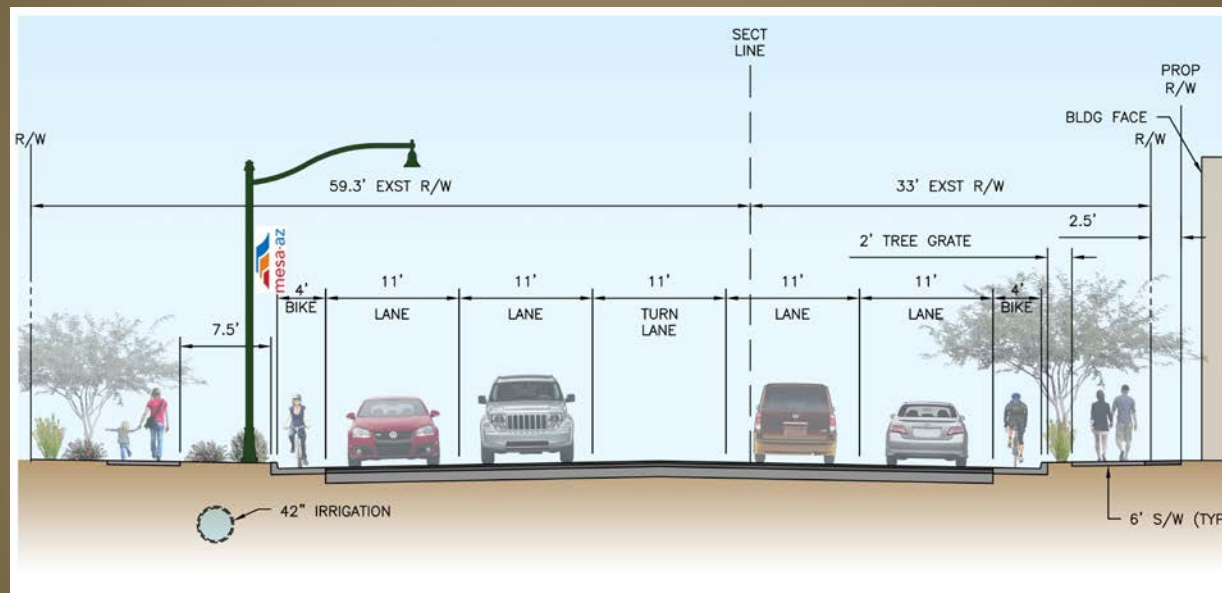
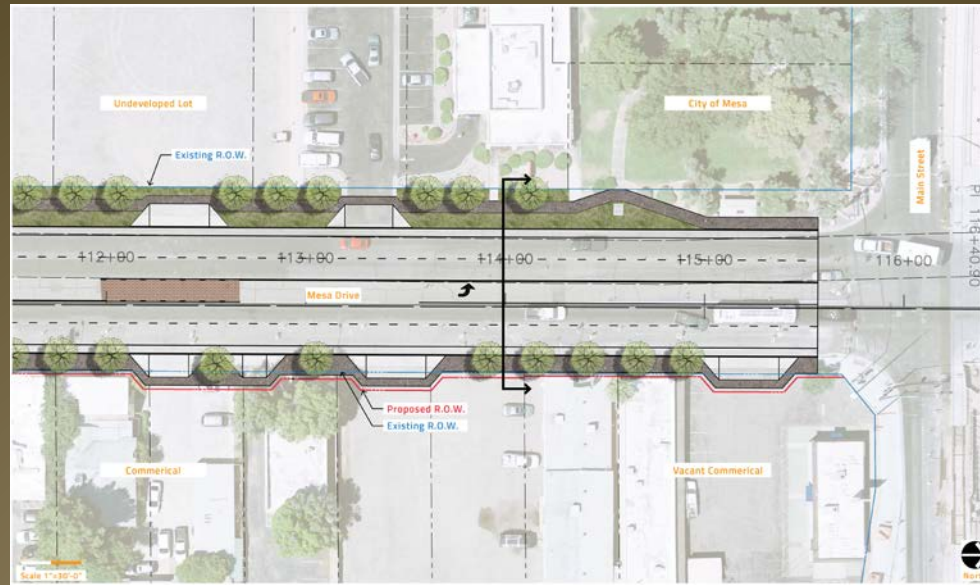
- Goals
 - Vehicular Traffic
 - Bicycle Lanes
 - Pedestrian Facilities
 - Transit Facilities
 - Aesthetics/Landscaping
- Design Impacts
 - Right-of-Way
 - Properties
 - Driveway Access
 - Sight Distance



MESA DR - SOUTH OF BROADWAY



MESA DR - NORTH OF BROADWAY

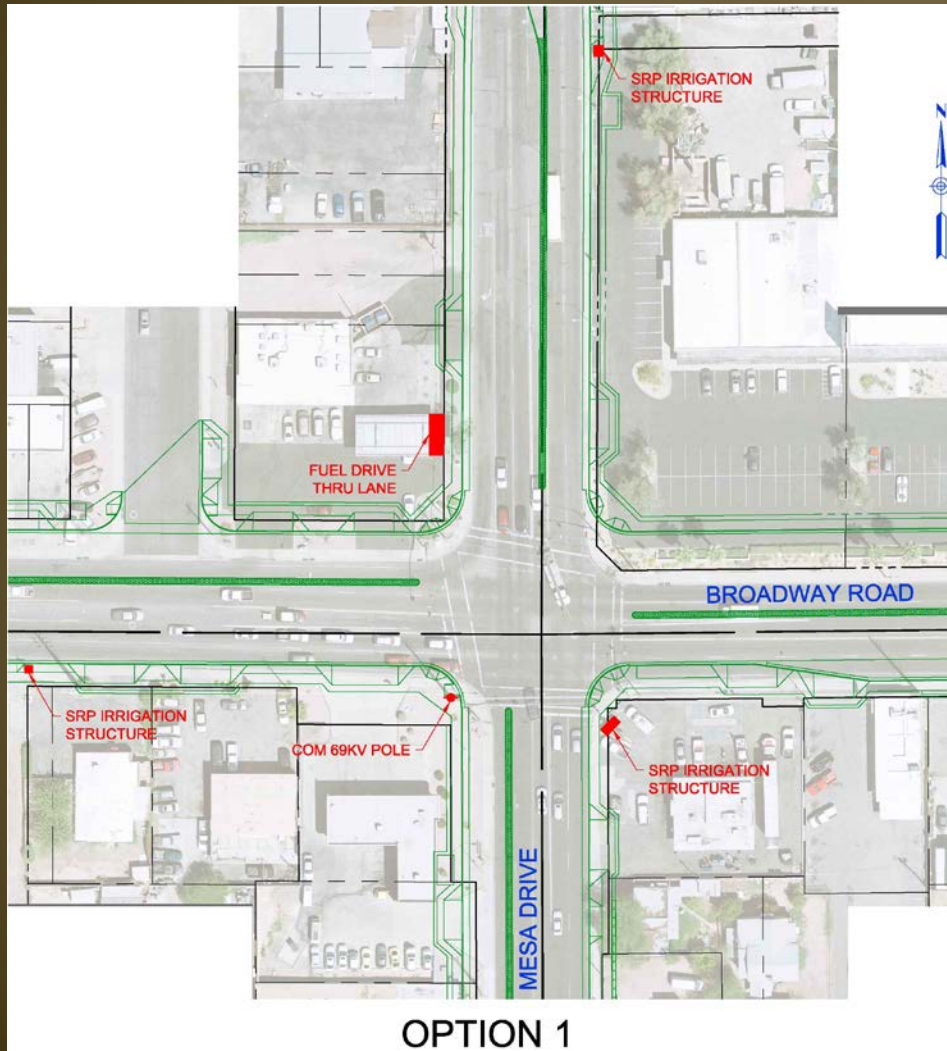


MESA DRIVE/BROADWAY ROAD INTERSECTION



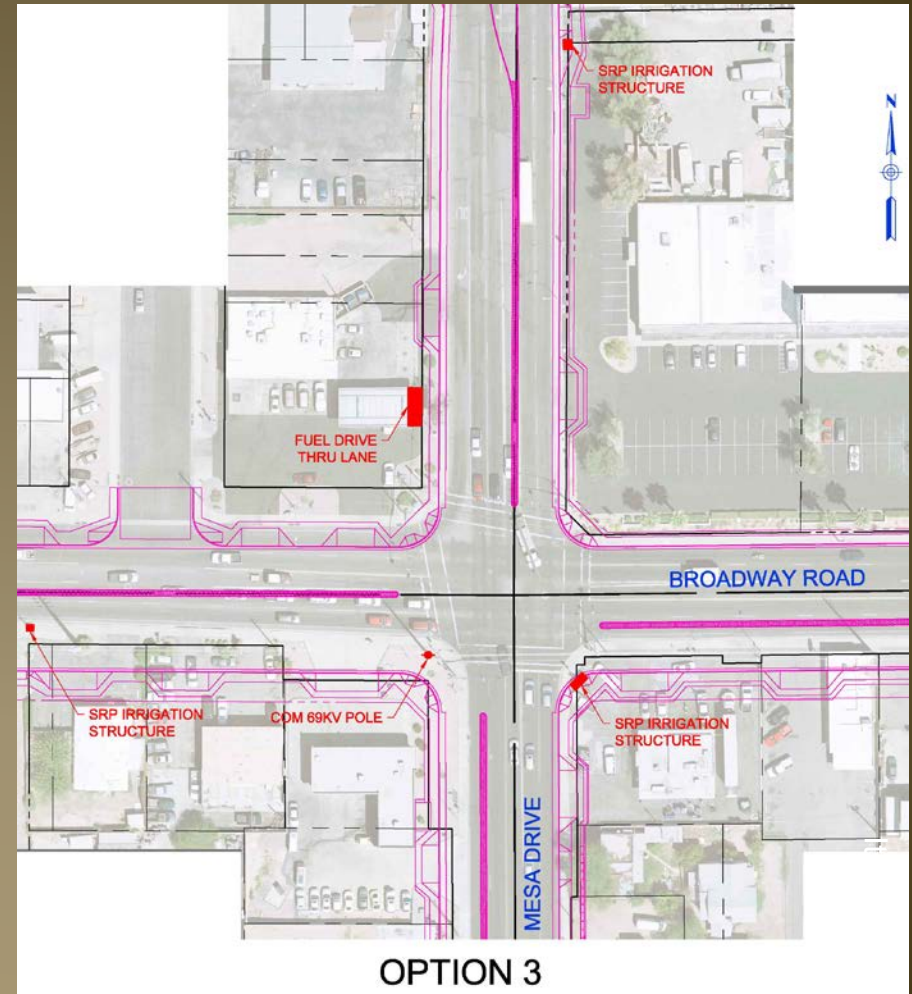
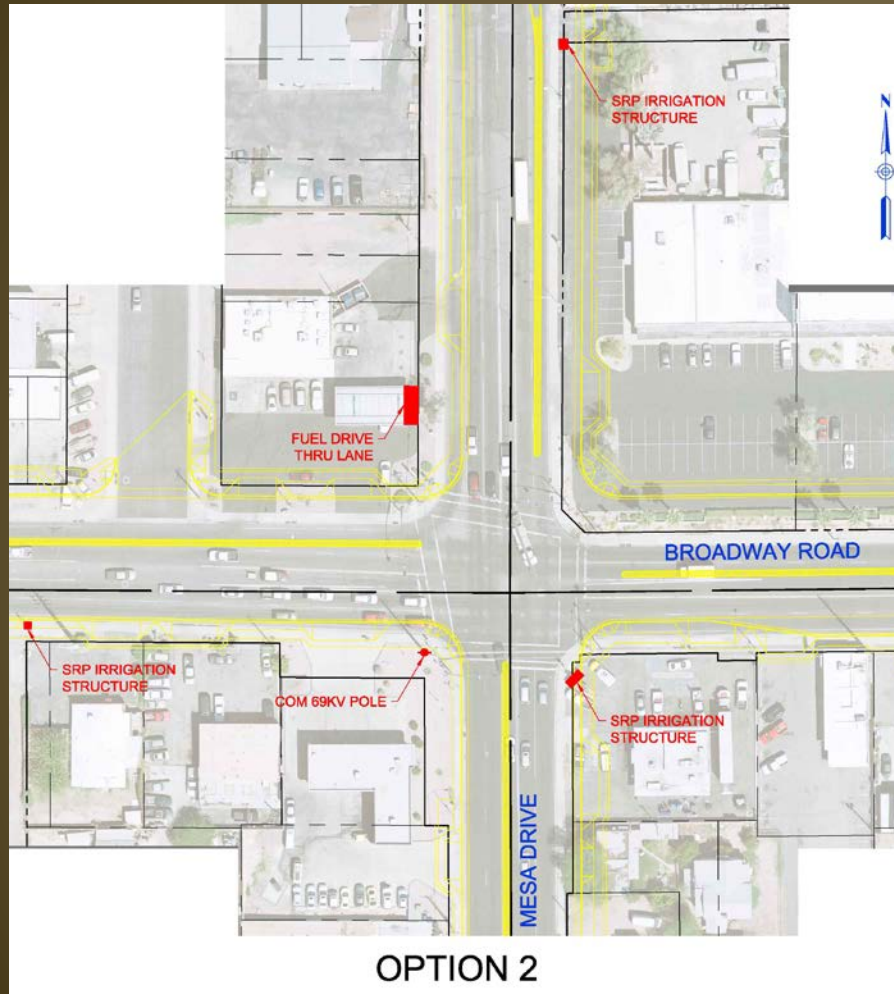
- Developed Intersection
- Existing Constraints
 - SRP Irrigation
 - COM 69kV
 - Circle K Fuel Lane

MESA DRIVE/BROADWAY ROAD INTERSECTION

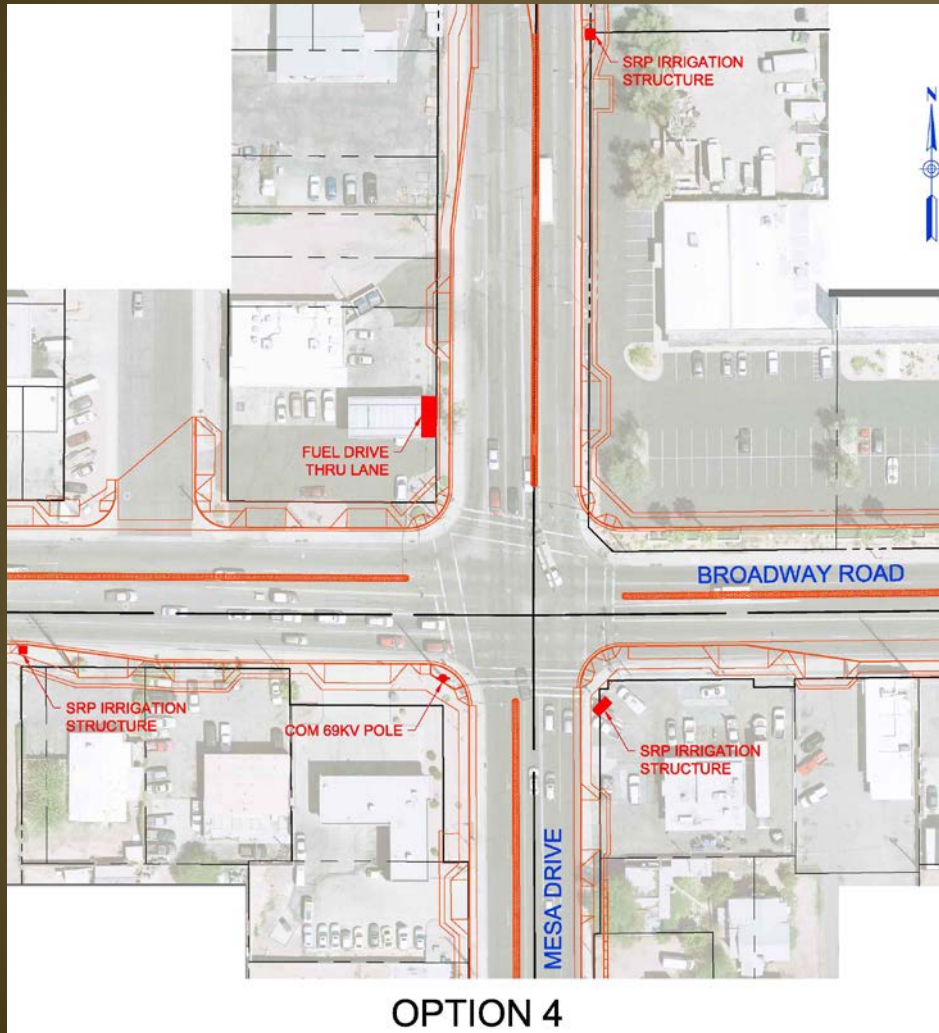


- City Standard Section
 - Raised Medians
 - Dual Left Turns
 - No Dedicated Rights
- Option 1, 2, & 3

MESA DRIVE/BROADWAY ROAD INTERSECTION



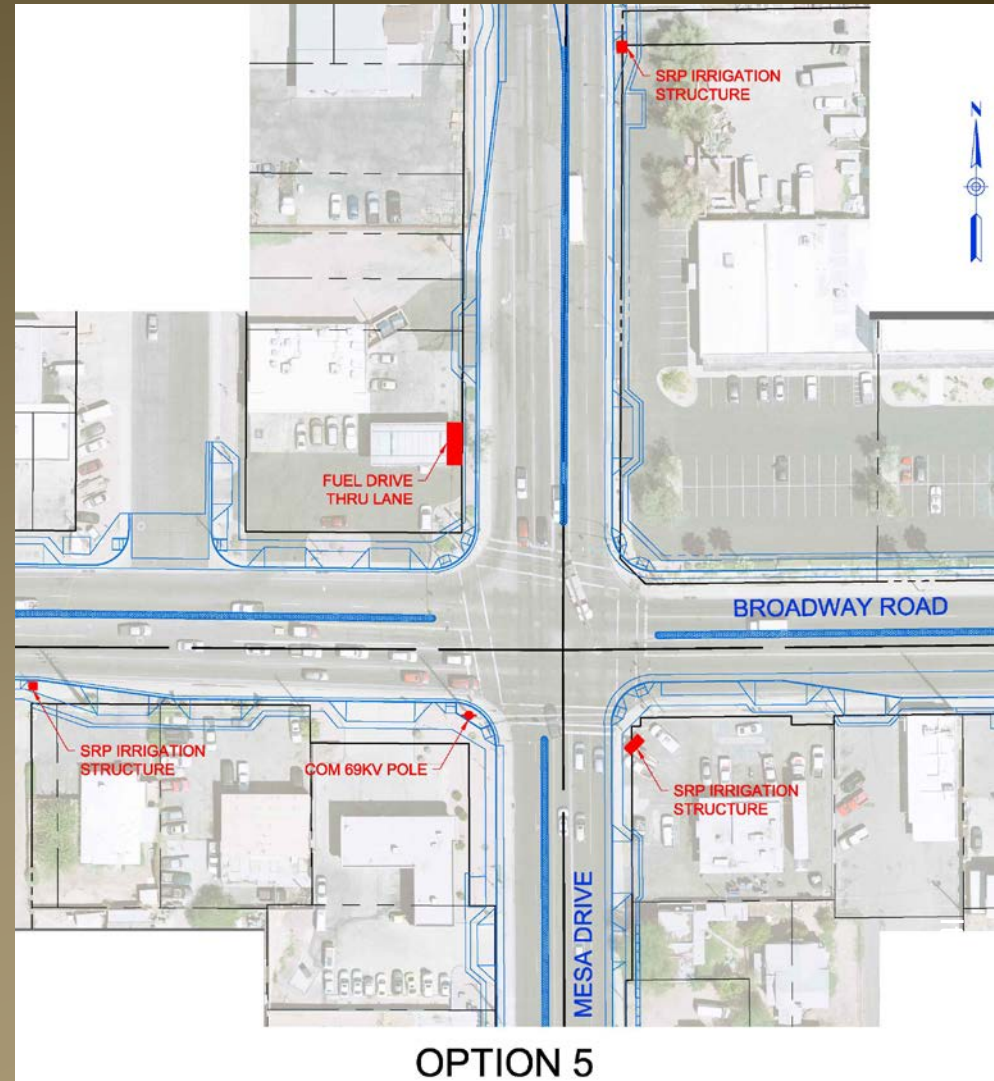
MESA DRIVE/BROADWAY ROAD INTERSECTION



- Traffic Analysis
 - Single Left Turns
 - Dedicated Right Turns
 - SB & EB Directions
- Option 4

SELECTED ALTERNATIVE

- Option 5
- Widen to West & North
- Reduced Parcel Impacts
- No Impact to Constraints
- SRP BOR Land Exchange



PROJECTED COSTS

- Total Design & Construction Costs ~ \$23.4 Million
- Costs Eligible for Arterial Life Cycle Program Reimbursement
 - Transportation Improvements & Design
 - Right-of-Way
 - Utility Relocation
- Water, Gas, Electric Improvements Funded Through Respective Bond Programs

SCHEDULE

- Next Step – 30% Design – March 24, 2016
 - Evaluate Project Costs
 - Utility Coordination
 - Right-of-Way
 - BOR Land Exchange
- Public Meeting – at 60% Design – August 2016
- Construction Anticipated Summer 2017 to Fall 2018

Questions?