



# mesa·az Transportation Advisory Board Report

**Date:** August 18, 2009  
**To:** Transportation Advisory Board  
**Through:** Fred Rustam, Deputy Engineer – Design  
**From:** Brent Henderson, Senior Civil Engineer  
**Subject:** Broadway Road Improvements, 70<sup>th</sup> Street to Hawes Road  
City Project No. 01-716-001  
Council District 6

## **Purpose and Recommendation**

The purpose of this report is to provide information to the Board on the recommended alignment for the Broadway Road Improvements from 70<sup>th</sup> Street to Hawes Road and convey information related to the public meeting held on July 7, 2009.

Staff requests that the Transportation Advisory Board recommend that City Council approve the alignment and direct staff to proceed with detailed design.

## **Background**

The voter approved street bonds that were passed in November of 2008, call for improvements to Broadway Road. This project is approximately 1.8 miles long and begins just west of 70<sup>th</sup> Street and extends to just east of Hawes Road. Refer to Exhibit "A" for the location and limits of the project.

Broadway Road is classified as a minor arterial street having two through lanes in each direction with a striped median. However, the majority of the project length currently has no curb, gutter, sidewalk, landscaping, or street lights. Storm water run-off is also largely uncontrolled, flowing above ground within the roadway cross-section or in unlined, unimproved grader ditches that are adjacent to the roadway.

## **Discussion**

Proposed improvements for this project include curb, gutter, sidewalk, driveways, street lights, traffic signals, signing, striping, and landscaping. A new storm drain system is also proposed to correct the drainage problems that the area has been experiencing.

The existing inverted crown along Broadway Road from Sossaman to Hawes will also be removed and replaced with a City standard crowned roadway section. Broadway

Road will be centered about the monument line from Sossaman to just west of 80<sup>th</sup> Street. From there the alignment will shift about seven feet south of the monument line. This shift in alignment is being proposed to minimize the acquisition of right-of-way from the properties to the north.

Broadway will have two lanes and a bike lane in each direction with a striped median. The Sossaman and Broadway Road intersection will be widened to provide three through lanes, dual left turn lanes, and bike lanes in the east and west directions. In the north and south directions, the intersection will have two through lanes, dual left turn lanes, and bike lanes.

Improvements to Broadway Road will be designed to meet current City standards. Typical cross sections are included on Exhibit "B". The proposed alignment is shown on Exhibit "C" (18 sheets).

### Public Involvement

A public meeting was held on July 7, 2009, at the City's Red Mountain Library to provide the public an opportunity to comment on the proposed improvements. Prior to the meeting, 1,525 invitational flyers were mailed out to the public. A total of thirty (30) citizens attended the meeting with twelve (12) written comment sheets returned. The following is a summary of the public comments and Staff's response:

No.	Citizen Comment	Staff's Response
1	Please extend the right turn lane starting at Carriage Manor entrance to Sossaman. Also replace the wall along the same area.	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.
2	I, Howard Duvall, have questions and I want to know about additional information. Please.	City Staff will contact this individual to determine what his questions are and what additional information he needs.
3	I back up to the Broadway Wall. We need a new wall. Is it possible to get a right turn exiting F.O.S. [Fountain of the Sun]	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.
4	I like your proposal very much. Could	This request will be examined in detail

	you add a right turn lane going north on 80 <sup>th</sup> St. to Broadway.	during the design process.
5	I see that Fountain of the Sun is going to get a right turn lane exiting the park? That new wall will great	No response necessary.
6	Fountain of the Sun needs a new wall on Broadway Road. Fountain of the Sun also also needs a right turn lane north out of Fountain of the Sun, so we could access the new "202". Thanks.	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.
7	Our home backs up to Broadway Road. I would like a new 8 ft wall. I would like a "Right Turn Lane" going north out of Fountain of the Sun. It would be very beneficial for our community	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.
8	Our community would like a new wall on Broadway Road. It would be good if you could put in a right turn lane going north out of F.O.S. Thank you!	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.
9	I back up to the Broadway Road wall. We need a new 8ft wall. It has been promised for many years. We also need a right turn lane onto Broadway from Fountain of the Sun. Thanks!	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.
10	<ul style="list-style-type: none"> <li>• <u>Replacement of the wall along Broadway Road.</u> The community perimeter wall along Broadway, while unique in appearance, has "gaps" in the that wall that wall make</li> </ul>	The issue of the right turn lane will be investigated during the design.  Relative to providing new block walls as part of this project, Staff will follow

	<p>it of little value in restricting access and providing quality security for the community. It is our understanding that the replacement of the wall was included in the planning of the project. The Association supports the replacement of the wall. The realignment of the street and the new sidewalk will bring the pedestrian traffic closer to the perimeter wall, making replacement of the wall important for the adjacent homeowners and the community in general (see attached photos 1 – 4).</p> <p><u>Design changes to support a future right hand turn lane out of the community from 80<sup>th</sup> Street on to Broadway.</u> Mr. Henderson indicated that changes in design on the south east corner may be possible to accommodate the future addition by the Association of a right hand turn lane out of the community. The Association requests this be considered as planning moves forward (see attached comments and traffic study).</p>	<p>existing City policy, which is to provide new block walls in areas where the traffic is moving closer to the residences.</p>
<p>11</p>	<p>I live in Mesa East Park. It is very exciting to hear about all the improvements that will be made, especially the sidewalk and hopefully the storm drains! Everytime we have a heavy rainstorm it floods the streets so that cars can't get thru-even floods the yard! Also it would be nice to have the wall raised.</p>	<p>No response necessary.</p>
<p>12</p>	<p>Our concerns are:</p> <ul style="list-style-type: none"> <li>• Our signage</li> <li>• Interference w/underground tanks</li> <li>• Accessability for customers</li> <li>• Wall on n/west corner (barrier)</li> <li>• Fire hydrant (we would like it stay)</li> <li>• If power pole goes away where are you going to put the transformers?</li> <li>• Irrigation system</li> <li>• Will we be getting street lights? (we would like them)</li> </ul>	<p>All of the requests will be examined in detail during the design process.</p>

	<ul style="list-style-type: none"> <li>• Is there a completion clause on our section.</li> <li>• How long</li> <li>• All new walls will match</li> <li>• Possibility of a traffic cop</li> <li>• Where to put our dumpster</li> </ul>	
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### Project Schedule

The current schedule is to begin design in the fall of 2009, begin construction in the summer of 2011, and complete construction in the summer of 2012.

### Alternatives

Several potential alternatives to the Broadway Road alignment were evaluated by City staff and the project partners for traffic patterns, pedestrian mobility, required right-of-way acquisition, drainage, and overall cost. The other alternatives do not function as efficiently in these categories as the proposed alignment shown in the attached exhibits. The preferred alternative is also the lowest cost of all those that were considered.

### Fiscal Impact

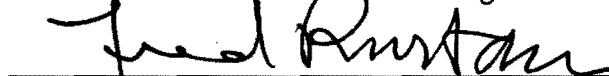
The total project budget is approximately \$15 million. The project will be funded by voter approved transportation bonds from the November 2008 City Bond Election.

### Coordinated With


The Transportation Department has been an active participant in the planning and design process of this Project, and concurs with the proposed alignment.



Brent Henderson, Senior Civil Engineer



Fred Rustam, Deputy Engineer - Design



Alan Sanderson, City Traffic Engineer



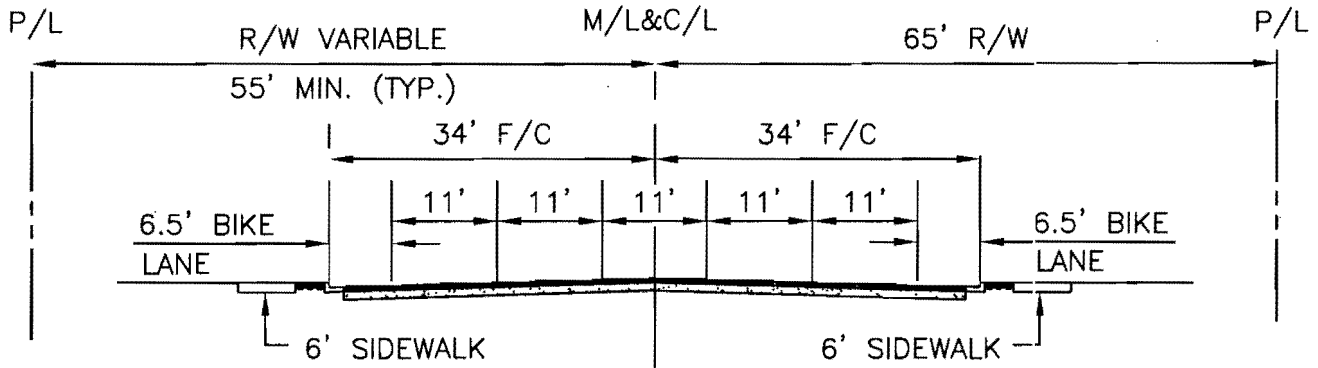
# EXHIBIT "A"



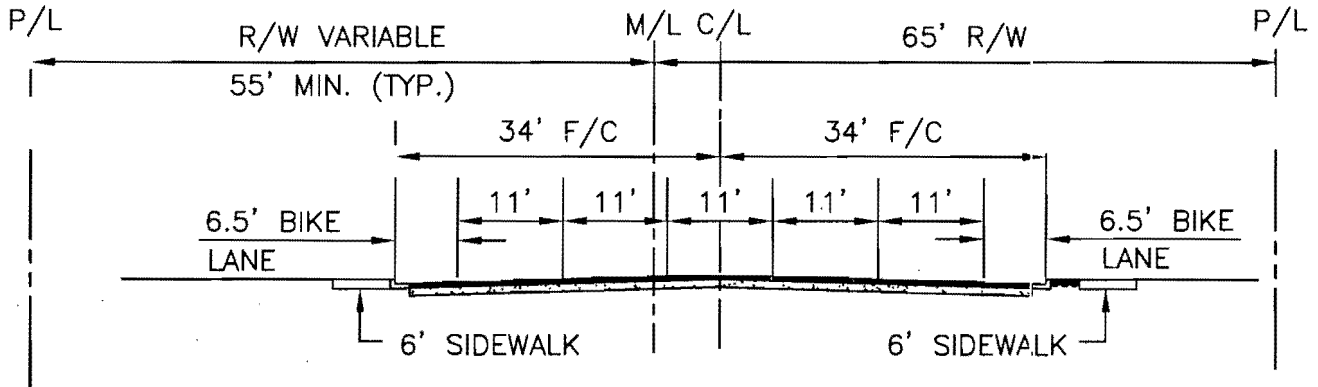
## PROJECT LOCATION MAP BROADWAY ROAD IMPROVEMENTS 70TH ST. TO HAWES RD. PROJECT NO. 01-716-001



FILE: E:\Proj\01-716-001 Broadway Rd Improvements\CAU\Council Map.dwg 08/05/09



**76TH ST. - 79TH PL.**



**79TH PL. - HAWES RD.**

**CROSS SECTIONS  
BROADWAY ROAD IMPROVEMENTS  
70TH ST. TO HAWES RD.  
PROJECT NO. 01-716-001**

**BROADWAY ROAD IMPROVEMENTS  
70<sup>TH</sup> STREET TO HAWES ROAD**

**CITY OF MESA PROJECT NO. 01-0716-001**

**EXHIBIT "C"**

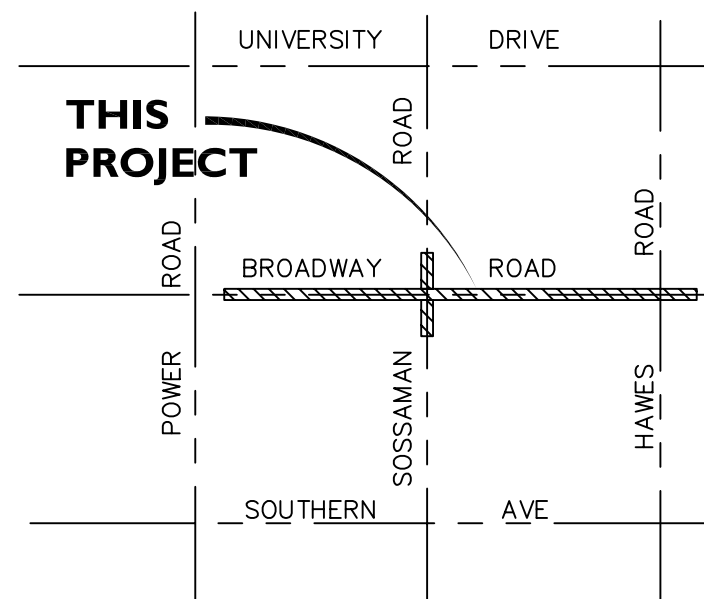
**(18 pages attached)**



# BROADWAY ROAD IMPROVEMENTS

## 70TH STREET TO HAWES ROAD

### CITY OF MESA PROJECT NO. 01-716-001



**Vicinity Map**

### LEGEND

XXX-XX-XXX

PARCEL NUMBER

SECTION LINE

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

PROPOSED SIDEWALK

PROPOSED CURB & GUTTER

PROPOSED STRIPING

EXISTING FEATURES

EXISTING PARCEL LINE