



Addendum

Re	Addendum to the Floodplains Report		
Project	Environmental Impact Statement: South Mountain Transportation Corridor in Maricopa County, Arizona		
Project numbers	Federal-aid Project Number: NH-202-D(ADY) ADOT Project Number: 202L MA 054 H5764 01L	Date	June 2014

Since publication of the Draft Environmental Impact Statement (DEIS), all technical reports supporting the DEIS have been updated to reflect current conditions. Changes to the Floodplains Report are underlined and presented below.

Updates were made to include revised Flood Rate Insurance Maps and Letters of Map Revisions since the DEIS was prepared. No substantive changes to the conclusions of the section resulted.

1. Project Description and Purpose and Need

Page 1-3, paragraph 4:

- From 1980 to 2010, the Maricopa County population more than doubled, from 1.5 million to 3.8 million.
- Phoenix is now the sixth-largest city in the country, and the region ranks as the 13th-largest metropolitan area in the country.

Page 1-3, paragraph 5:

- MAG projections (conducted in collaboration with the Arizona Department of Economic Security) indicate Maricopa County's population will increase from 3.8 million in 2010 to 5.8 million in 2035 (MAG 2013). It is projected that in the next 25 years, daily vehicle miles traveled will increase from 91 million to 149 million.

Page 1-4, paragraph 1:

- Even with anticipated improvements in light rail service, bus service, trip reduction programs, and existing roads and freeways, vehicle traffic volumes are expected to exceed the capacity of Phoenix metropolitan area streets and highways by as much as 18 percent in 2035.
- A freeway within the SMTC would accommodate approximately 11 percentage points of the 18 percent of the unmet travel demand and would be part of an overall traffic solution.

2. Affected Environment

Page 2-4:

- Figure 2: Floodplains in the Study Area (see page 4 of this addendum)

Table 2. Flood Insurance Rate Maps in the Study Area

Flood Insurance Rate Map Panel Number^a	Most Recent Letter of Map Change Number	Letter of Map Change Effective Date
<u>04013C2715L</u>	<u>10-09-0832V-040040;</u> <u>10-09-0832V-040051</u>	<u>10/17/2013</u>
<u>04013C2695L</u>	<u>None issued</u>	<u>Not applicable</u>
<u>04013C2690L</u>		
<u>04013C2670L</u>		
<u>04013C2660L</u>		
<u>04013C2655L</u>		
<u>04013C2195L</u>	<u>10-09-0832V-040037;</u> <u>10-09-0832V-040051;</u> <u>14-09-0203A-040051</u>	<u>10/17/2013;</u> <u>10/17/2013;</u> <u>11/19/2013</u>
<u>04013C2190L</u>	<u>10-09-0832V-040037;</u> <u>10-09-0832V-040051;</u> <u>14-09-0200A-040051</u>	<u>10/17/2013;</u> <u>10/17/2013;</u> <u>11/26/2013</u>
<u>04013C2185L</u>	<u>10-09-0832V-040051</u>	<u>10/17/2013</u>
<u>04013C2180L</u>	<u>10-09-0832V-040051;</u> <u>10-09-0832V-040055;</u> <u>13-09-3122P-040051</u>	<u>10/17/2013;</u> <u>10/17/2013;</u> <u>10/22/2013</u>
<u>04013C2170L</u>	<u>10-09-0832V-040055;</u> <u>14-09-0206A-040038</u>	<u>10/17/2013;</u> <u>11/21/2013</u>
<u>04013C2160L</u>	<u>10-09-0832V-040055</u>	<u>10/17/2013</u>
<u>04013C3050L</u>	<u>None issued</u>	<u>Not applicable</u>
<u>04013C1695L</u>	<u>10-09-0832V-040051;</u> <u>14-09-0128P-040037;</u> <u>14-09-0128P-040045</u>	<u>10/17/2013;</u> <u>10/22/2013;</u> <u>10/22/2013</u>
<u>04013C2705L</u>	<u>10-09-0832V-040040;</u> <u>10-09-0832V-040054</u>	<u>10/17/2013</u>
<u>04013C2720L</u>	<u>None issued</u>	<u>Not applicable</u>
<u>04013C2680L</u>	<u>10-09-0832V-040051</u>	<u>10/17/2013</u>
<u>04013C2685L</u>		
<u>04013C2635L</u>	<u>None issued</u>	<u>Not applicable</u>
<u>04013C2155L</u>	<u>10-09-0832V-040038;</u> <u>10-09-0832V-040046;</u> <u>10-09-0832V-040128</u>	<u>10/17/2013</u>
<u>04013C2205L</u>	<u>10-09-0832V-040051</u>	<u>10/17/2013</u>
<u>04013C3075L</u>	<u>None issued; panels not published</u>	<u>Not applicable</u>
<u>04013C3100L</u>	<u>None issued; panels not published</u>	<u>Not applicable</u>
<u>04013C2665L</u>	<u>None issued; panels not published</u>	<u>Not applicable</u>

^a The last four numeric digits of the Flood Insurance Rate Map (FIRM) panel numbers correspond with the panel numbers shown on Figure 2. All FIRM information in this column was updated on February 13, 2014. All new FIRM panels are effective October 16, 2013.

3. Environmental Consequences

Page 3-2, Table 3:

Table 3. Floodplain Encroachment Impacts

Action Alternatives and Options	Salt River Floodplain Encroachment (acreage) ^a	Union Pacific Railroad Floodplain Encroachment (acreage) ^a	Total Floodplain Encroachment (acreage)
W59	90	4	94
W71	117	10	127
W101WPR	19	33	52
W101WFR	19	33	52
W101CPR	19	29	48
W101CFR	19	29	48
W101EPR	19	29	48
W101EFR	19	29	48

^a based on right-of-way footprints

4. Mitigation

Page 4-1, paragraph 1:

- The following describes potential mitigation measures for ADOT to consider as future commitments to be implemented as part of the project to avoid, reduce, or otherwise mitigate environmental impacts associated with the project. The discussion of these measures in this report does not obligate ADOT to these specific measures. ADOT, along with FHWA, may choose to modify, delete, or add measures to mitigate impacts. Final obligation of mitigation measures would be made in the record of decision.

Page 4-2, paragraph 1:

- *Roadway Design Guidelines, Urban Highway Section – Design Procedures Manual (2012)* and *Highway Drainage Design Manual – Hydrology (1993)*, and the FHWA publications entitled *Drainage of Highway Pavements (1984)* and *Urban Drainage Design Manual (2001)*.

Page 4-2, paragraph 2:

- ADOT’s *Roadway Design Guidelines (2012)* provides criteria to be used for offsite flows that would affect the proposed action.

5. Bibliography/References

Arizona Department of Transportation (ADOT). 2012. Roadway Design Guidelines. With revisions and amendments. Prepared by the Roadway Engineering Group. May. Phoenix.

Maricopa Area Governments (MAG). 2013. Socioeconomic Projections: Population, Housing, and Employment by Municipal Planning Area and Regional Analysis Zone. Phoenix.

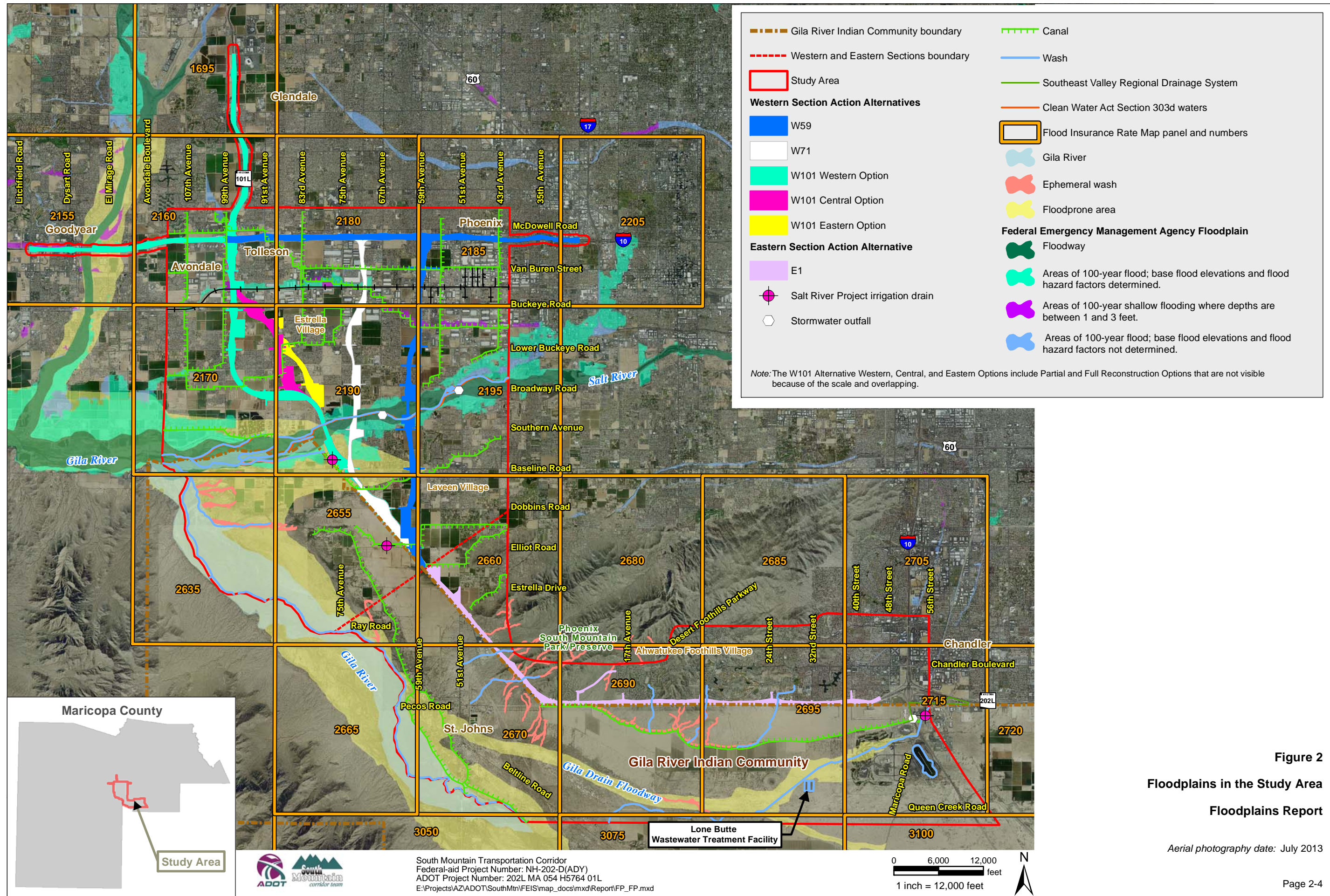


Figure 2
Floodplains in the Study Area
Floodplains Report

Aerial photography date: July 2013