



Addendum

Re	Addendum to the Geotechnical 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 Geotechnical Report are underlined and presented below.

Well-specific groundwater depths may be available; however, these were not updated because of fluctuations in such depths. These fluctuations, while expected, would not be significant and would not change the conclusions or mitigation measures presented in the technical report.

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

No changes.

3. Environmental Consequences

Sand and Gravel Mining Operations Impacts

Page 3-3, paragraph 1:

- Based on review of 2013 aerial photography, a number of sand and gravel mining operations exist within the Study Area (Landiscor 2013).

W59 Alternative

Page 3-3, paragraph 2:

- The W59 Alternative would affect two sand and gravel operations along the Salt River.

W71 Alternative

Page 3-3, paragraph 3:

- The W71 Alternative would affect one sand and gravel operation along the Salt River.

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.

5. Bibliography/References

Landiscor. 2013. *Aerial Photography of the South Mountain Freeway Study Area.*

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