



# Addendum

Re	Addendum to the Section 4(f) and Section 6(f) 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	July 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 Section 4(f) and Section 6(f) Report are underlined and presented below.

Updates to the Section 4(f) and Section 6(f) Report consist primarily of the removal of one property no longer eligible as a Section 4(f) property, inclusion of newly discovered Section 4(f) properties, and the adjustment of trail alignments.

In March 2014, ADOT was notified that the private owner of the Ong Farm applied for and received a zoning change from the City of Phoenix. The owner has elected to demolish the farm; therefore, the Ong Farm is no longer eligible as a Section 4(f) property.

The inventory of recreational amenities at Section 4(f) properties and updated site plans were not obtained because they would have no bearing on whether a site was determined to be a Section 4(f) property. All Section 4(f) properties were assumed to be significant. Although two new Section 4(f) properties were added to this report, none of the action alternatives would result in direct or proximity impacts; therefore, there are no changes that would affect the mitigation measures or conclusions of this technical report.

The previously used Maricopa County trails data did not correctly depict the actual alignments of trails, as seen in aerial photographs. City of Phoenix data were, therefore, used to update the technical report (the differences are minor).

## 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. Section 4(f) and Section 6(f) Resources**

### ***Description of Section 4(f) Resources in the Western Section, Impacts, and Measures to Minimize Harm***

Page 2-8:

- Figure 3. Section 4(f) Resources – Western Section (updated to remove previous Property Number 12, Ong Farm, and add new Property Number 12, Future City of Phoenix Park) (see page 8 of this addendum)

Page 2-9:

- Figure 4. Maricopa County Trails System – Western Section (see page 9 of this addendum)

Property Number 12 – Ong Farm

Page 2-28, delete section

Page 2-39, Figure 12, delete figure

Property Number 12 – Future City of Phoenix Park

Page 2-30, insert prior to “Property Number 13 – Betty Fairfax High School”:

- The future City of Phoenix neighborhood park is located west of 59th Avenue, just south of Dobbins Road. This publicly owned park is owned and will be operated by the City of Phoenix. This future park will be 38 acres (Figures 3 and 12) and accessible from 59th Avenue. A site plan for the park is currently unavailable.

#### **Direct Impacts**

- Implementation of any of the action alternatives and options would cause no direct impact on the City of Phoenix future park.

### **Proximity Impacts**

- Drainage features associated with the W59 Alternative would be located approximately 0.05 mile from the future park but would not result in proximity impacts on this Section 4(f) resource.
- The Section 4(f) resource does not have noise-sensitive activities or viewshed characteristics that contribute to its importance as a Section 4(f) resource. Therefore, no further analysis of these proximity impacts to determine whether they would substantially impair the resource is necessary (23 C.F.R. § 774.15). Existing access to the Section 4(f) property would not be altered; therefore, access to the resource would not be impaired.

### **Measures to Minimize Harm**

- Because implementation of any of the action alternatives or options would not result in any direct or constructive use of the City of Phoenix future park, no measures to minimize harm are warranted.

Figure 12 – Future City of Phoenix Park (see page 10 of this addendum)

Property Number 27 – Sachs-Webster Farmhouse

Page 2-57, paragraph 2:

- The Sachs-Webster Farmhouse is owned by the City of Phoenix and is located at 7517 West Baseline Road.

### ***Description of Section 4(f) Resources in the Eastern Section, Impacts, and Measures to Minimize Harm***

Page 2-78:

- Figure 37. Section 4(f) Resources – Eastern Section (updated to include Property Number 41A) (see page 11 of this addendum)

Property Number 41A – Pyramid Trail

Page 2-87:

- The Pyramid Trail is located at the western end of Chandler Boulevard and 19th Avenue. To reach the informal trailhead, hikers pass through the “road ends” barricade at the end of Chandler Boulevard, head west approximately 1,000 feet, and then turn north just past an unnamed wash. The Pyramid Trail enters SMPP (Figures 37 and 42A). The City of Phoenix, which has jurisdiction, constructed this trail as part of the area 620 land acquisition.

Page 2-88:

- Figure 42A. Pyramid Trail (see page 12 of this addendum)

### **Direct Impacts**

- None of the action alternatives and options would result in a direct impact on the Pyramid Trail. The Pyramid Trail would be adjacent to the planned Chandler Boulevard extension (part of the E1 Alternative); therefore, none of the action alternatives and options would affect the Pyramid Trail.

- During construction (if an action alternative were selected), portions of the Pyramid Trail that would be near potential freeway construction would be closed for limited periods for safety reasons. Closures would require that trail users detour around construction sites to rejoin trails farther along their length. These closures would constitute a temporary occupancy so minor as to not constitute use within the meaning of Section 4(f) because (1) the duration of closures, although not yet defined, would be less than the duration of freeway construction; (2) there would be no change in land ownership; (3) there would be no anticipated permanent adverse physical impacts, nor would there be interference with the activities or purpose of the trail; and (4) although no physical disturbance of the trails is anticipated, should this occur, trails would be returned to their preconstruction condition [23 C.F.R. § 774.13(d)]. FHWA received concurrence from the City on July 24, 2014 (see Appendix C).

### **Proximity Impacts**

- The Pyramid Trail does not have noise-sensitive activities or viewshed characteristics that contribute to its importance as a Section 4(f) resource. Therefore, no further analysis of these proximity impacts to determine whether they would substantially impair the resource is necessary (23 C.F.R. § 774.15). Access to the resource would not be substantially changed.

Property Number 42 – Phoenix South Mountain Park/Preserve  
Page 2-88:

- Figure 43. Phoenix South Mountain Park/Preserve (updated with recent trails information) (see page 13 of this addendum)

Page 2-89, paragraph 1

- Traversing these three ranges are 58 miles of trails for horseback riding, hiking, and mountain biking (City of Phoenix 2005a). In addition to trails, the park offers approximately 20 ramadas for picnicking and an activity center that includes restrooms, a stage/dance platform, and a kitchen (City of Phoenix 2005a). These amenities are collectively considered part of SMPP and are not described or analyzed separately.

Page 2-106:

- Figure 49. Maricopa County Trails System—Western Section (updated with recent trails information) (see page 13 of this addendum)

Page 2-108, Table 2 (see page 6 of this addendum)

## **3. Avoidance Alternatives**

No changes.

## **4. Coordination**

No changes.

## **5. Bibliography/References**

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

## Appendix A: Potential Section 4(f) Properties Excluded from Consideration

City of Phoenix Trails System

Section 4(f) Eligibility

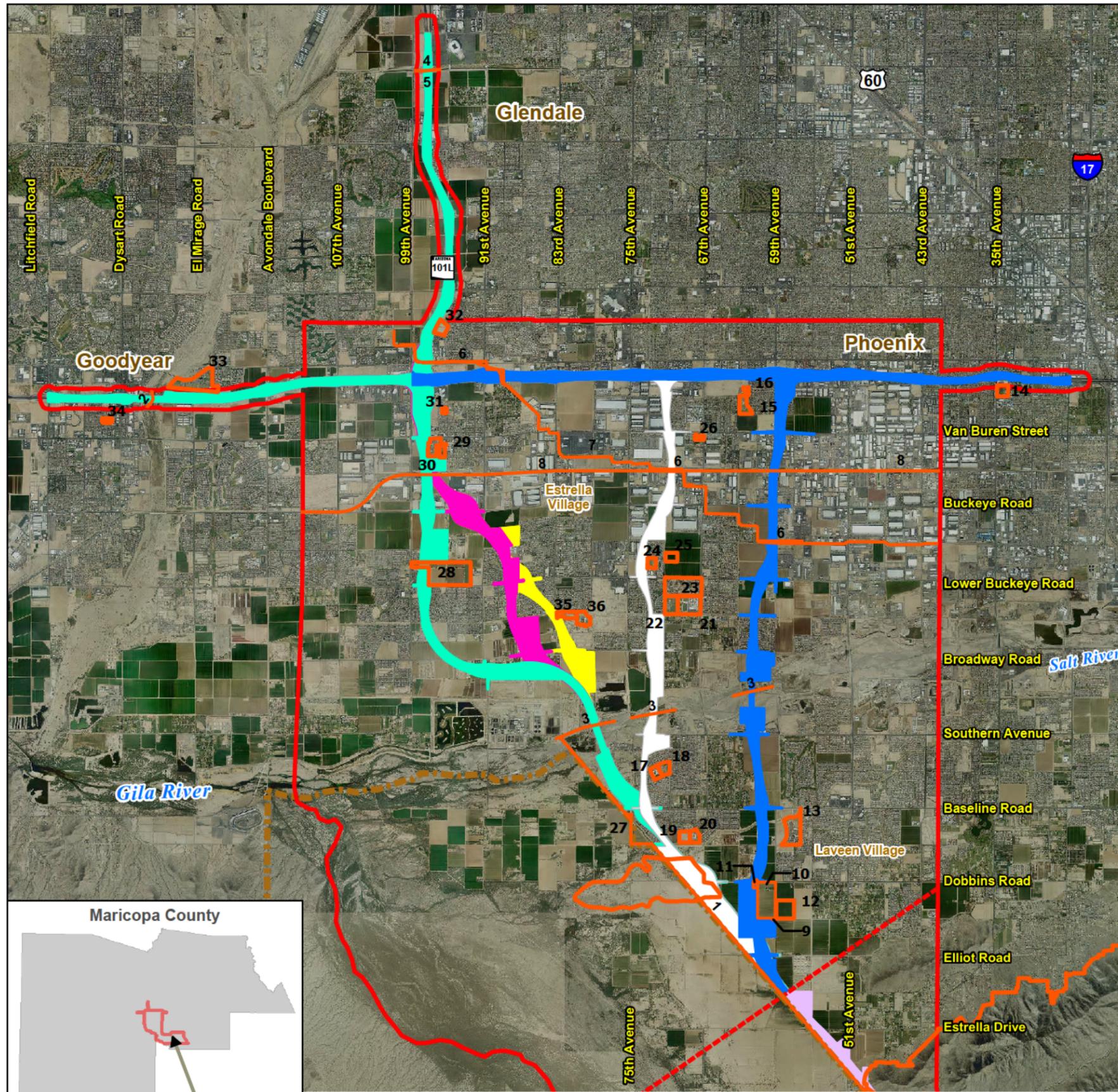
Page A-8:

- However, these trails should generally not be considered Section 4(f) resources for reasons explained below. There are some exceptions, such as the Phoenix trails in SMPP, which are considered collectively with the park, and the Pyramid Trail, which starts at Chandler Boulevard and 19th Avenue (just outside the SMPP) and leads into SMPP.

**Table 2. Summary of Affected Properties, by Action Alternative**

Section 4(f) Property	Action Alternative								
	E1	W59	W71	W101WPR	W101WFR	W101CPR	W101CFR	W101EPR	W101EFR
<b>Eastern and Western Sections</b>									
Property Number 1 – Segment Eight of the Sun Circle and Maricopa Trails	— <sup>a</sup>	B	B	B	B	B	B	B	B
<b>Western Section</b>									
Property Number 2 – Segment One of the Sun Circle Trail	—	—	—	B	B	B	B	B	B
Property Number 3 – Segment Fifty-six of the Maricopa County Regional Trails System	—	B	B	B	B	B	B	B	B
Property Number 4 – Segment Sixty-eight of the Maricopa County Regional Trails System	—	—	—	B	B	B	B	B	B
Property Number 5 – Grand Canal	—	—	—	B	B	B	B	B	B
Property Number 6 – Segment Sixty-nine of the Maricopa County Regional Trails System	—	B	B	B	B	B	B	B	B
Property Number 7 – Roosevelt Canal	—	B	B	B	B	B	B	B	B
Property Number 8 – Wellton-Phoenix-Eloy Main Line	—	B	B	B	B	B	B	B	B
Property Number 9 – Hackin Farmstead	—	B	—	—	—	—	—	—	—
Property Number 10 – Hudson Farm	—	B	—	—	—	—	—	—	—
Property Number 11 – Tyson Farmstead and Barnes Dairy Barn	—	B	—	—	—	—	—	—	—
<u>Property Number 12 – Future City of Phoenix Park</u>	<u>—</u>	<u>B</u>	<u>—</u>						
Property Number 13 – Betty Fairfax High School	—	B	—	—	—	—	—	—	—
Property Number 14 – Falcon Park	—	B	B	—	—	—	—	—	—
Property Number 15 – Sunridge Park	—	B	B	B	B	B	B	B	B
Property Number 16 – Sunridge Elementary School	—	B	B	B	B	B	B	B	B
Property Number 17 – Trailside Point School	—	—	B	—	—	—	—	—	—
Property Number 18 – Trailside Point Park	—	—	B	—	—	—	—	—	—
Property Number 19 – Laveen Commons Future Park	—	—	B	—	—	—	—	—	—
Property Number 20 – Desert Meadows Elementary School	—	—	B	—	—	—	—	—	—
Property Number 21 – Sierra Linda High School	—	—	B	—	—	—	—	—	—
Property Number 22 – Santa Maria Park	—	—	B	—	—	—	—	—	—
Property Number 23 – Santa Marie Townsite (Santa Maria)	—	—	B	—	—	—	—	—	—
Property Number 24 – Santa Maria Middle School	—	—	B	—	—	—	—	—	—
Property Number 25 – Fowler Elementary School District Future School	—	—	B	—	—	—	—	—	—
Property Number 26 – Fowler Elementary School	—	—	B	—	—	—	—	—	—
Property Number 27 – Sachs-Webster Farmhouse	—	—	B	B	B	B	B	B	B
Property Number 28 – Estrella District Park Future Park	—	—	—	B	B	—	—	—	—
Property Number 29 – Tolleson Union High School	—	—	—	B	B	B	B	B	B
Property Number 30 – Cowden Park	—	—	—	B	B	B	B	B	B
Property Number 31 – 95th Park	—	—	—	B	B	B	—	B	—





Gila River Indian Community boundary
  Section 4(f) property

Western and Eastern Sections boundary
  Study Area

**Western Section Action Alternatives**

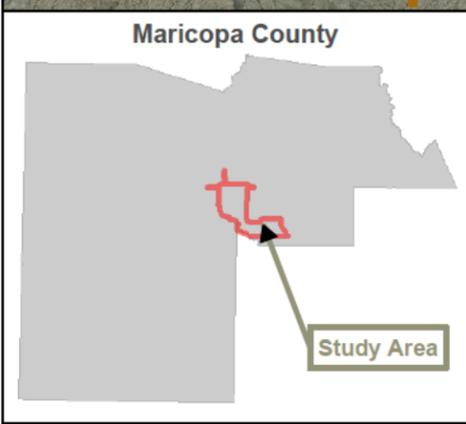
W59  
 W71  
 W101 Western Option  
 W101 Central Option  
 W101 Eastern Option

**Eastern Section Action Alternative**

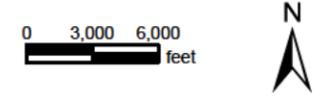
E1

*Note: The W101 Alternative Western, Central, and Eastern Options include Partial and Full Reconstruction Options that are not visible because of the scale and overlapping.*

- Property Number – Property Name**
- 1 – Segment Eight of the Sun Circle and Maricopa Trails
  - 2 – Segment One of the Sun Circle Trail
  - 3 – Segment Fifty-six of the Maricopa County Regional Trails System
  - 4 – Segment Sixty-eight of the Maricopa County Regional Trails System
  - 5 – Grand Canal
  - 6 – Segment Sixty-nine of the Maricopa County Regional Trails System
  - 7 – Roosevelt Canal
  - 8 – Wellton-Phoenix-Eloy Main Line
  - 9 – Hackin Farmstead
  - 10 – Hudson Farm
  - 11 – Colvin-Tyson Farmstead and Barnes Dairy Barn
  - 12 – Future City of Phoenix Park
  - 13 – Betty Fairfax High School
  - 14 – Falcon Park
  - 15 – Sunridge Park
  - 16 – Sunridge Elementary School
  - 17 – Trilside Point School
  - 18 – Trilside Point Park
  - 19 – Laveen Commons Future Park
  - 20 – Desert Meadows Elementary School
  - 21 – Sierra Linda High School
  - 22 – Santa Maria Park
  - 23 – Santa Marie Townsite (Santa Maria)
  - 24 – Santa Maria Middle School
  - 25 – Fowler Elementary School District Future School
  - 26 – Fowler Elementary School
  - 27 – Sachs-Webster Farmhouse
  - 28 – Estrella District Park Future Park
  - 29 – Tolleson Union High School
  - 30 – Cowden Park
  - 31 – 95th Park
  - 32 – 95th Avenue and Encanto Boulevard Future Park
  - 33 – Friendship Park
  - 34 – Parque de Paz
  - 35 – 83rd Avenue and Elwood Street Future Park
  - 36 – Tuscano Elementary School

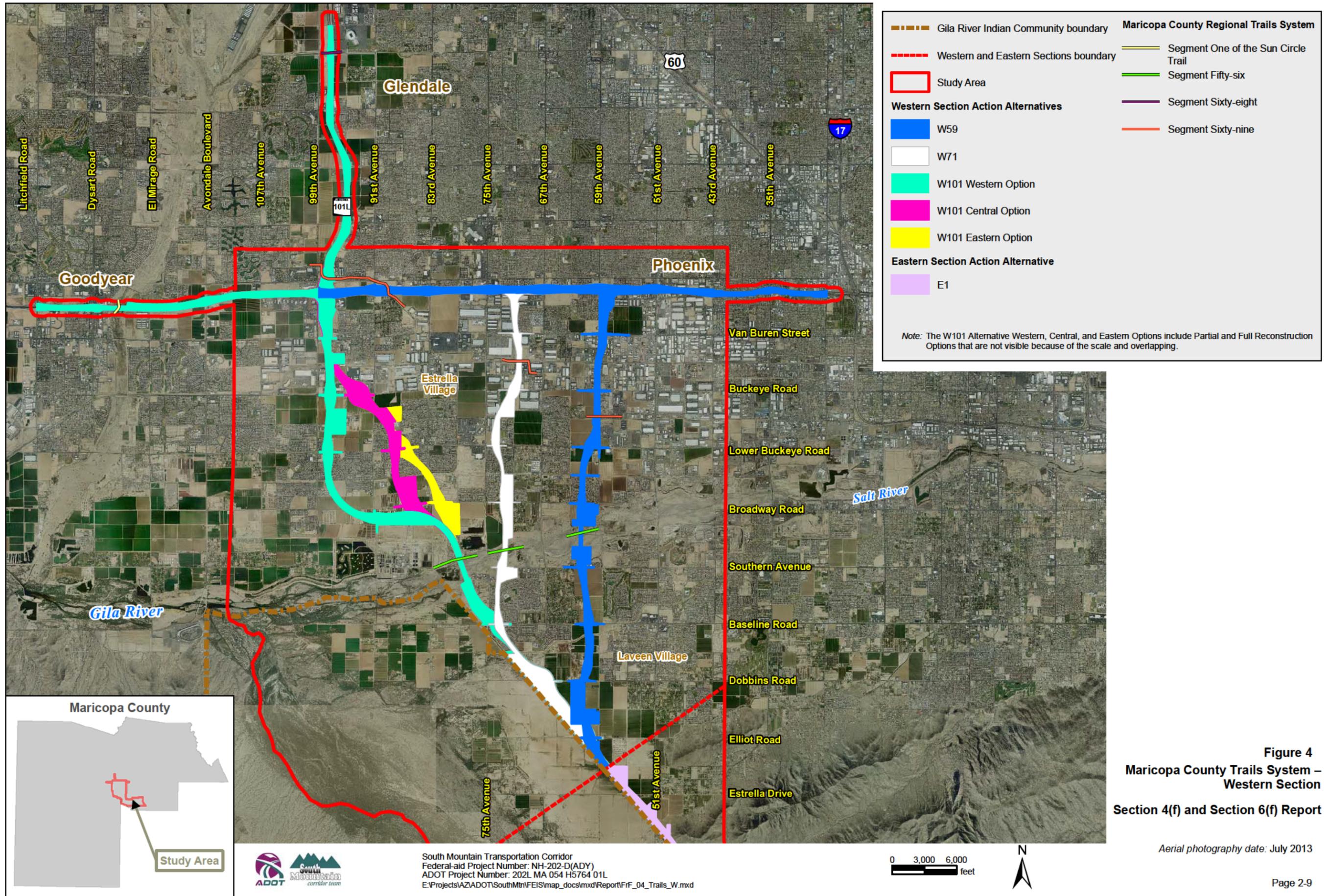


South Mountain Transportation Corridor  
 Federal-aid Project Number: NH-202-D(ADY)  
 ADOT Project Number: 202L MA 054 H5764 01L  
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**Figure 3**  
**Section 4(f) Resources –**  
**Western Section**  
**Section 4(f) and Section 6(f) Report**

Aerial photography date: July 2013



**Figure 4**  
**Maricopa County Trails System –**  
**Western Section**  
**Section 4(f) and Section 6(f) Report**

*Aerial photography date: July 2013*



**Figure 12**

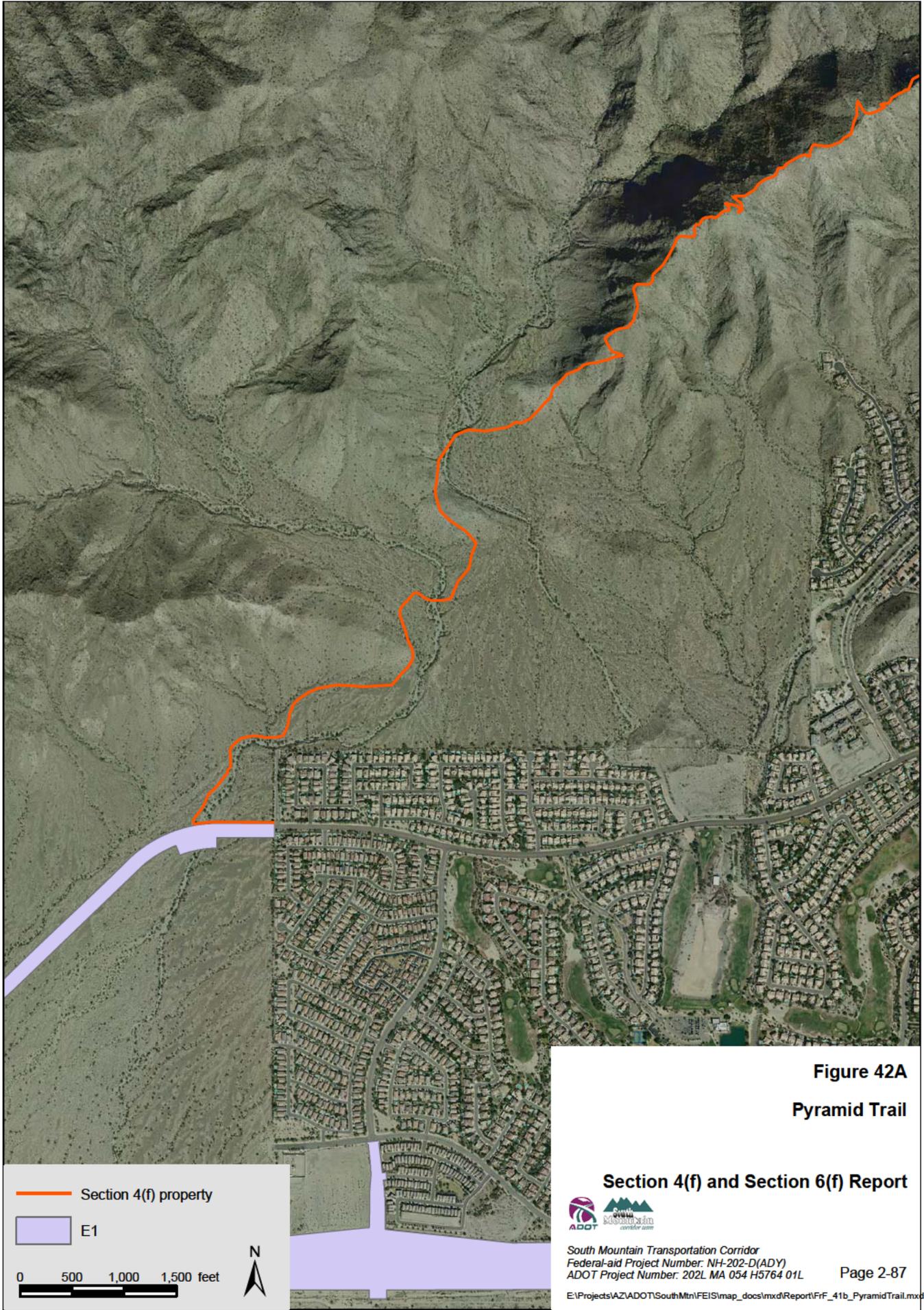
**Future City of Phoenix Park**

**Section 4(f) and Section 6(f) Report**



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**Figure 42A**  
**Pyramid Trail**

**Section 4(f) and Section 6(f) Report**



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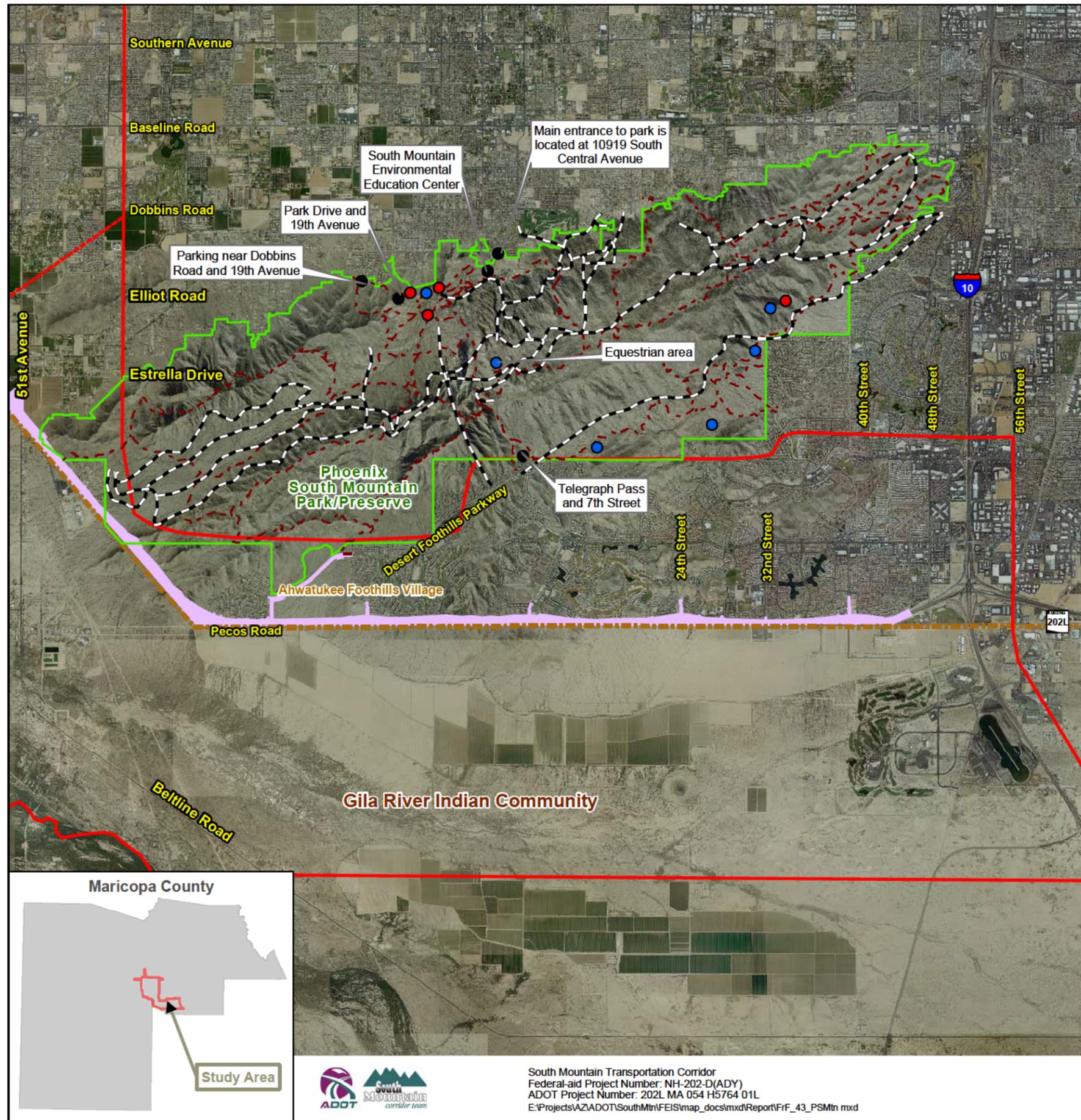
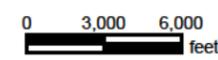
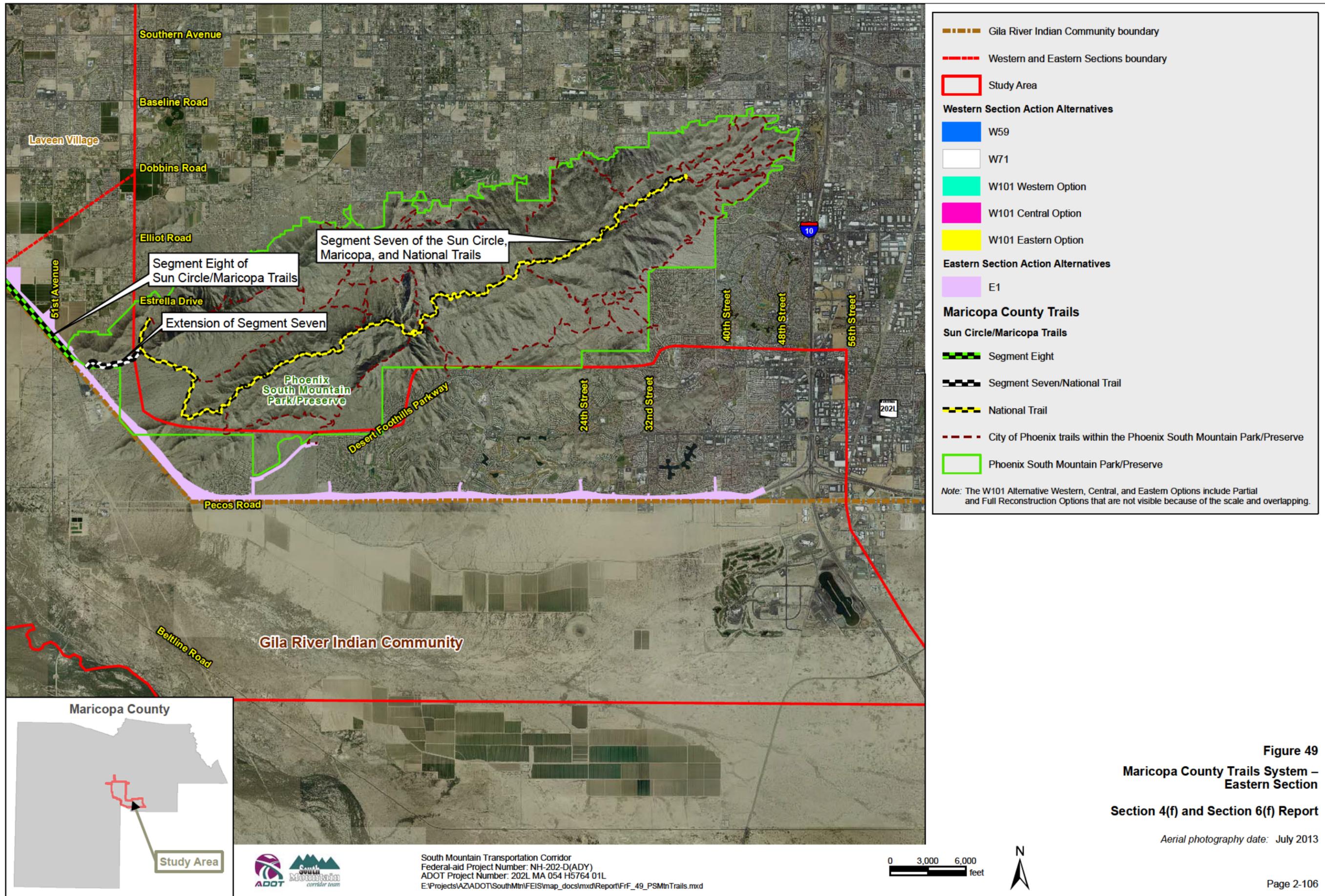


Figure 43  
Phoenix South Mountain Park/Preserve  
Section 4(f) and Section 6(f) Report

Aerial photography date: July 2013



South Mountain Transportation Corridor  
Federal-aid Project Number: NH-202-D(ADY)  
ADOT Project Number: 202L MA 054 H5764 01L  
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**Figure 49**  
**Maricopa County Trails System – Eastern Section**  
**Section 4(f) and Section 6(f) Report**



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

**ARIZONA DIVISION**

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<http://www.fhwa.dot.gov/azdiv/index.htm>

July 21, 2014

In Reply Refer To:  
NH-202-D(ADY)  
HOP-AZ

NH-202-D(ADY)  
TRACS No. 202L MA 054 H5764 01L  
South Mountain Freeway (Loop 202)  
Section 4(f) Consultation  
"temporary occupancy of trails"

Mr. James Burke, Director  
City of Phoenix Parks and Recreation  
200 West Washington Street, 16th Floor  
Phoenix, Arizona 85003

Dear Mr. Burke:

In coordination with the Federal Highway Administration (FHWA), the Arizona Department of Transportation (ADOT) is preparing an environmental impact statement (EIS) to evaluate alternatives for the proposed South Mountain Freeway. The alternatives under study would pass through the Cities of Phoenix and Tolleson and the Communities of Laveen and Ahwatukee. As part of the EIS, an analysis of properties eligible for protection under Section 4(f) of the U.S. Department of Transportation Act of 1966 must be completed. Section 4(f) properties are any publicly owned parks and recreation areas (including trails), waterfowl and wildlife refuges, and historic sites considered to have national, state, or local significance. A number of Maricopa County and City of Phoenix trails that are eligible for Section 4(f) protection have been identified in the South Mountain Freeway Study Area (see attached Figure 1). The City's new Pyramid trail, also eligible for Section 4(f) protection, would be adjacent to the proposed Chandler Boulevard extension (see attached Figure 2).

If the South Mountain Freeway were built, there would be no permanent impacts on the Maricopa County trails system or the City's Pyramid Trail as a result of the project. All proposed action alternatives would be adjacent to or span existing and proposed trails to avoid impacts. However, during construction (if an action alternative were selected), trails that would be spanned or would be near potential freeway construction or the Chandler Boulevard extension construction would be closed for limited times for safety reasons. In the case of the Pyramid Trail, the Chandler Boulevard extension would restrict access to the trail head. Closures would necessitate that trail users detour around construction sites to rejoin the trails farther along their length.

These impacts to the City's Pyramid Trail would be defined as temporary occupancy under the exceptions of Section 4(f). The various exceptions to requirements of Section 4(f) are identified in 23 Code of Federal Regulations § 774.13. Subsection (d) details that "temporary occupancies of land that are so minimal as to not constitute a use within the meaning of Section 4(f)" would be an exception if the following conditions are met:

- (1) The occupancy is of temporary duration and there is no change in ownership of the land.
- (2) The scope of work is minor.
- (3) There would be no permanent changes to the trails.

- (4) There are no anticipated permanent adverse physical impacts, nor interference with the protected activities of the property.
- (5) The land being used is fully restored.
- (6) Documented agreement of the official with jurisdiction over the resource regarding the above conditions

FHWA believes that the potential impacts to the trails constitute a temporary occupancy of this resource and, therefore, that the impacts qualify under the Section 4(f) exception because of the following:

- (1) Although the exact duration has not yet been defined, the duration of closures would be short—less than the duration of freeway construction.
- (2) There would be no change in land ownership.
- (3) There would be no permanent change to the trails.
- (4) There would be no anticipated permanent adverse physical impacts or interference with the activities or purpose of the trails.
- (5) Although no physical disturbance of the trails is anticipated, should this occur, the trails would be returned to preconstruction conditions.

On May 10, 2012, Maricopa County Parks and Recreation concurred with FHWA's determination that temporary closure of portions of the trails within the Maricopa County Trails System, including those through Phoenix South Mountain Park Preserve, would constitute a temporary occupancy under Section 4(f).

If you also agree with FHWA's determination that temporary closure of the City's Pyramid Trail would constitute a temporary occupancy under Section 4(f), please indicate your concurrence by signing below. If you have any questions or concerns, please feel free to contact Rebecca Yedlin, FHWA Environmental Coordinator, at (602) 382-8979 or email [Rebecca.Yedlin@dot.gov](mailto:Rebecca.Yedlin@dot.gov) or contact Ralph Ellis, ADOT Planning Section Manager, at (602) 712-7973 or email [rellis@azdot.gov](mailto:rellis@azdot.gov).

Sincerely yours,



Karla S. Petty  
Division Administrator



Signature for City of Phoenix  
Parks and Recreation Department Concurrence  
NH-202-D(ADY)

7/24/14  
Date

Enclosures

Figure 1. Recreational Trails System in the Study Area

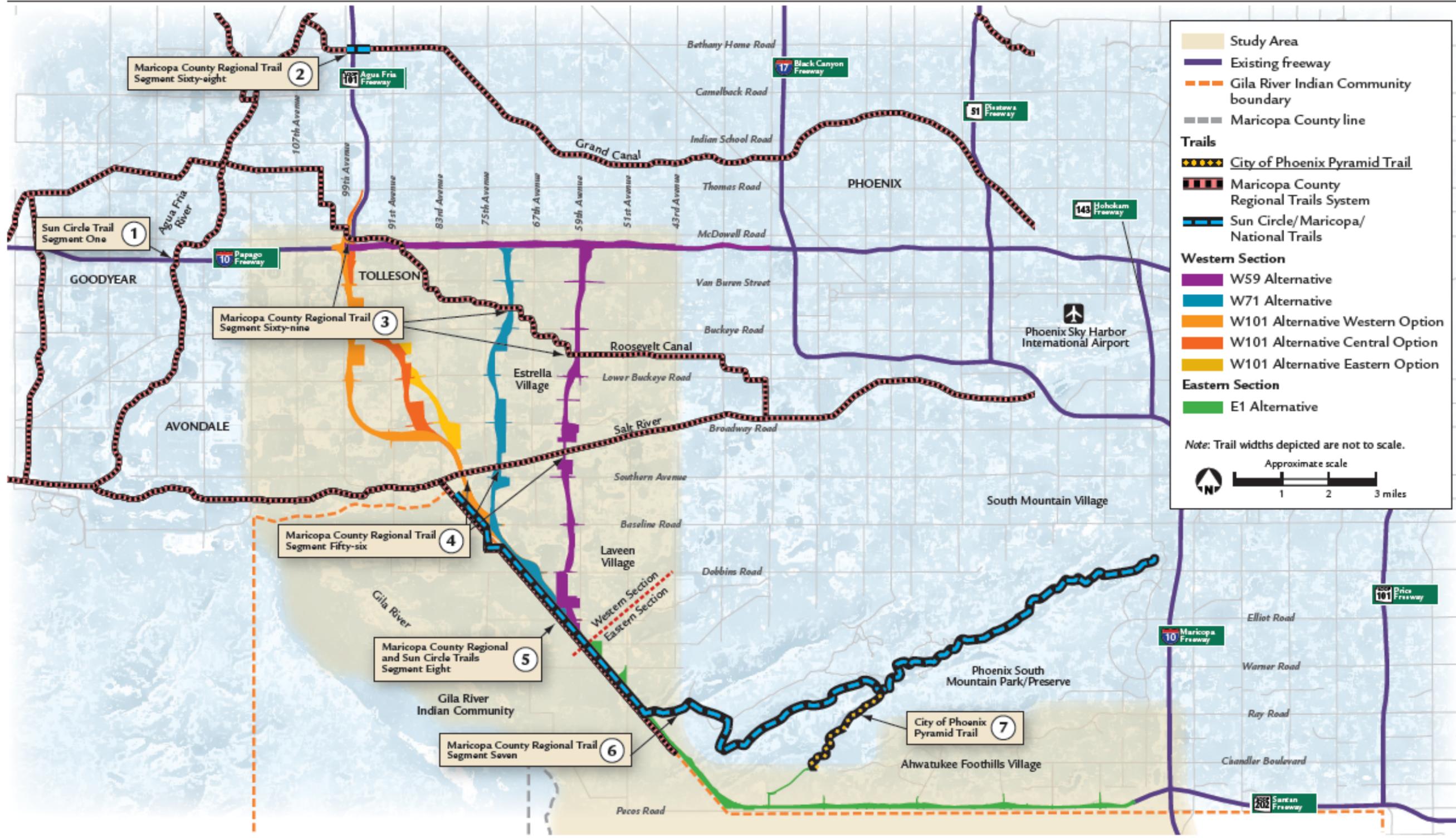


Figure 2. Pyramid Trail



Pyramid Trail



South Mountain Transportation Corridor  
Federal-aid Project Number: NH-202-D(ADY)  
ADOT Project Number: 202L MA 054 HE764 01L

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