

ATTACHMENT 6C

**ARTERIAL LIFE CYCLE PROGRAM
REQUEST TO SUBSTITUTE PROJECT OR CHANGE SCOPE OF PROJECT**

Name of Original Project	SR-101L Frontage Rd: Pima Rd/Princess Dr to Hayden Road
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Lead Agency	City of Scottsdale	RTP ID	ACI-SFN-10-03-B
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RTP Project Budget	\$11,525,000	Request Date	6/1/2011
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Name of Rescoped/ Substitute Project	Happy Valley Road: Pima to Alma School
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Description of Rescoped/ Substitute Project	Widen Happy Valley Road from 2 lanes to 4 lanes from Pima Road to Alma School with bike lanes, landscaped median and sidewalks. Roadway improvements will include all drainage structures in order to eliminate existing dip crossings. There is also an opportunity to improve the safety and mobility of the intersection of Happy Valley Road at Alma School by installing a roundabout.
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ORIGINAL PROJECT SCHEDULE

WORK PHASE	WORK FISCAL YEAR	REIMBURSEMENT FISCAL YEAR	PROGRAMMED REIMBURSEMENT	CURRENT FUND TYPE
Pre-Design	2014	2018	\$52,000	RARF
Design	2015	2018	\$628,000	RARF
ROW	2015	2018	\$612,000	RARF
Construction	2015	2018	\$4,704,000	RARF
Save	2020	2020	\$5,529,000	RARF
TOTALS			\$11,525,000	RARF

RESCOPED/SUBSTITUTE PROJECT BUDGET

WORK PHASE	WORK FISCAL YEAR	TOTAL COST	LOCAL SHARE	REGIONAL SHARE	REGIONAL %
Design	2018	\$1,166,000	\$349,800	\$816,200	70.00%
ROW	2019	\$3,485,000	\$1,045,500	\$2,439,500	70.00%
Construction	2020	\$5,833,000	\$1,749,900	\$4,083,100	70.00%
Construction	2021	\$5,833,000	\$1,749,900	\$4,083,100	70.00%
TOTALS		\$16,317,000	\$4,895,100	\$11,421,900	70.00%

CURRENT FACILITY FEATURES (RESCOPED/SUBSTITUTE PROJECT)

Total Lanes	2	Average Daily Traffic	19,800
North/South Lanes	0	V/C Ratio	N/A
East/West Lanes	2	Bus Pullouts	No
Length of Facility	2.0 Miles	Bicycle Facilities	Yes

PLANNED FACILITY FEATURES (RESCOPED/SUBSTITUTE PROJECT)			
Total Lanes		4 Bus Pullouts	No
North/South Lanes		0 Bicycle Facilities	Yes
East/West Lanes		4 Pedestrian Facilities	Yes
Length of Facility	2.0miles	Paved Shoulders/Curbs	Yes

Please explain the reason for requesting to substitute or rescope the original project.	This request to widen Happy Valley Road from Pima to Alma School Road and possibly install a roundabout at the Happy Valley and Alma School intersection would improve the mobility and safety on Happy Valley Road.
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What technical documents and supporting analysis are available to demonstrate the feasibility of the requested project?	We will supply information to the Streets Committee.
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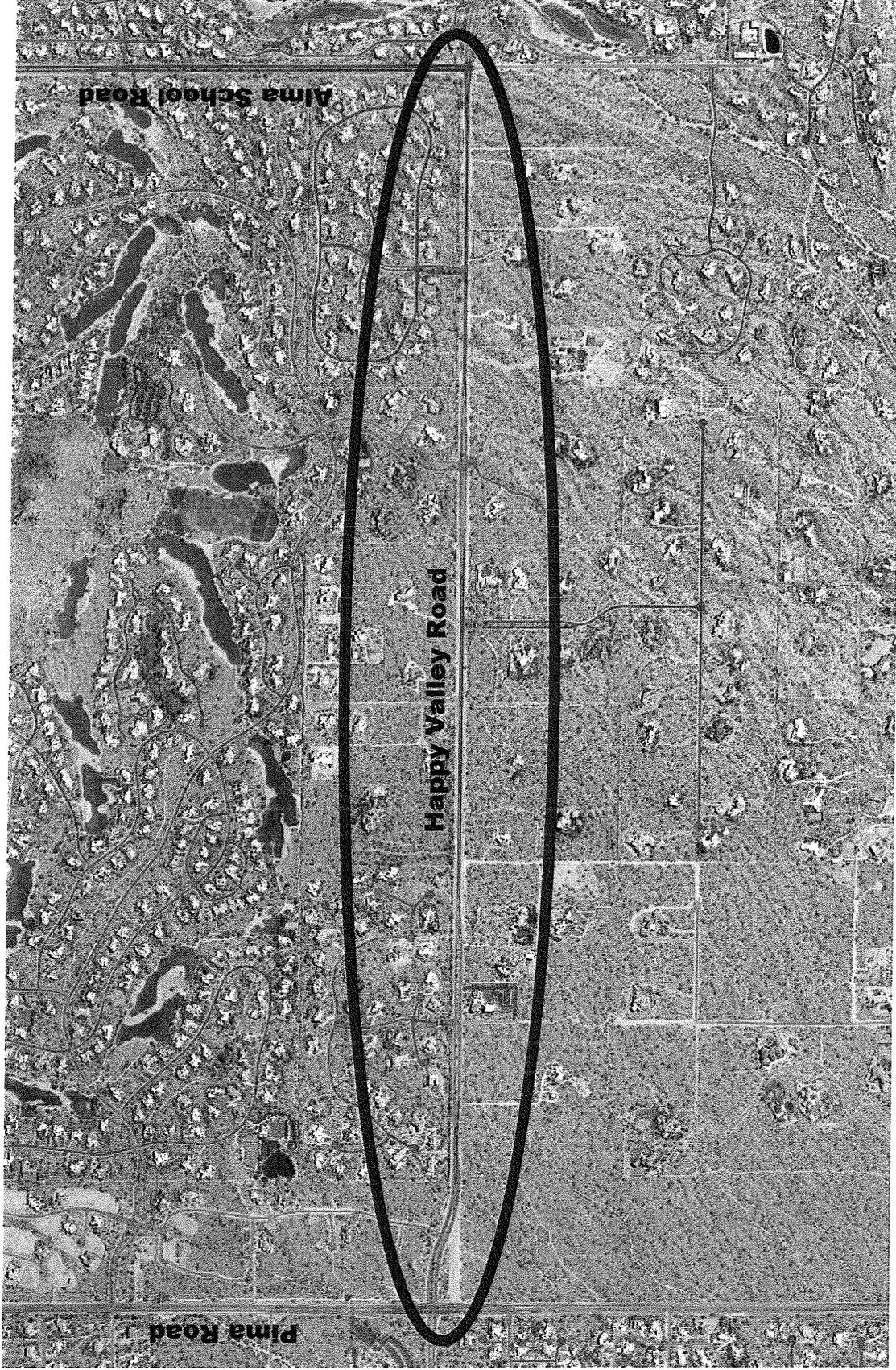
Description of how the requested project would improve mobility/safety and reduce congestion.	Happy Valley Road is an arterial roadway of major significance. Currently the intersection of Happy Valley Road and Alma School Road is controlled by a four-way stop. It is proposed to install a roundabout at that intersection and widen from 2 to 4 lanes which will improve the safety and mobility on Happy Valley Road
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Requested Project's Benefit to the MAG Region?	Happy Valley Road is on of two entries to the unincorporated county parcels in the Rio Verde area so it is of major significance to the MAG region.
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Please attach the following documentation when submitting the request to MAG Staff:

- A map of the original project
- A map of the substitute or rescoped project
- Corridor Studies and/or other plan documents
- Technical analysis conducted (ie. level of service, modeling)

Happy Valley: Pima to Alma School Road



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Name of Rescoped/ Substitute Project	Pinnacle Peak: Miller to Pima
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Description of Rescoped/ Substitute Project	Improve the existing two lane cross section to four lanes with bike lanes, landscaped median and sidewalks. Roadway will include all drainage structures in order to eliminate existing dip crossings. A pedestrian crossing will be incorporated into the wash crossing under Pinnacle Peak Road between Williams and Hayden Road.
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ORIGINAL PROJECT SCHEDULE

WORK PHASE	WORK FISCAL YEAR	REIMBURSEMENT FISCAL YEAR	PROGRAMMED REIMBURSEMENT	CURRENT FUND TYPE
Pre-Design	2014	2018	\$52,000	RARF
Design	2015	2018	\$628,000	RARF
ROW	2015	2018	\$612,000	RARF
Construction	2015	2018	\$4,704,000	RARF
Save	2020	2020	\$5,529,000	RARF
TOTALS			\$11,525,000	RARF

RESCOPED/SUBSTITUTE PROJECT BUDGET

WORK PHASE	WORK FISCAL YEAR	TOTAL COST	LOCAL SHARE	REGIONAL SHARE	REGIONAL %
Design	2017	\$495,000	\$148,500	\$346,500	70.00%
ROW	2018	\$3,315,000	\$994,500	\$2,320,500	70.00%
Construction	2019	\$10,489,000	\$3,146,700	\$7,342,300	70.00%
Construction	2020	\$10,489,000	\$3,146,700	\$7,342,300	70.00%
TOTALS		\$24,788,000	\$7,436,400	\$17,351,600	70.00%

CURRENT FACILITY FEATURES (RESCOPED/SUBSTITUTE PROJECT)

Total Lanes	2	Average Daily Traffic	13,600
North/South Lanes	0	V/C Ratio	N/A
East/West Lanes	2	Bus Pullouts	No
Length of Facility	1.5	Bicycle Facilities	Yes

PLANNED FACILITY FEATURES (RESCOPED/SUBSTITUTE PROJECT)			
Total Lanes	4	Bus Pullouts	No
North/South Lanes	0	Bicycle Facilities	Yes
East/West Lanes	4	Pedestrian Facilities	Yes
Length of Facility	1.5	Paved Shoulders/Curbs	Yes

Please explain the reason for requesting to substitute or rescope the original project.	Pinnacle Peak Road is an arterial with major significance and connects many Cities in the MAG region. This project to widen from 2 to 4 lanes and improve the drainage to flow under the roadway will improve the mobility and safety of Pinnacle Peak Road.
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What technical documents and supporting analysis are available to demonstrate the feasibility of the requested project?	We will supply information to the Streets Committee.
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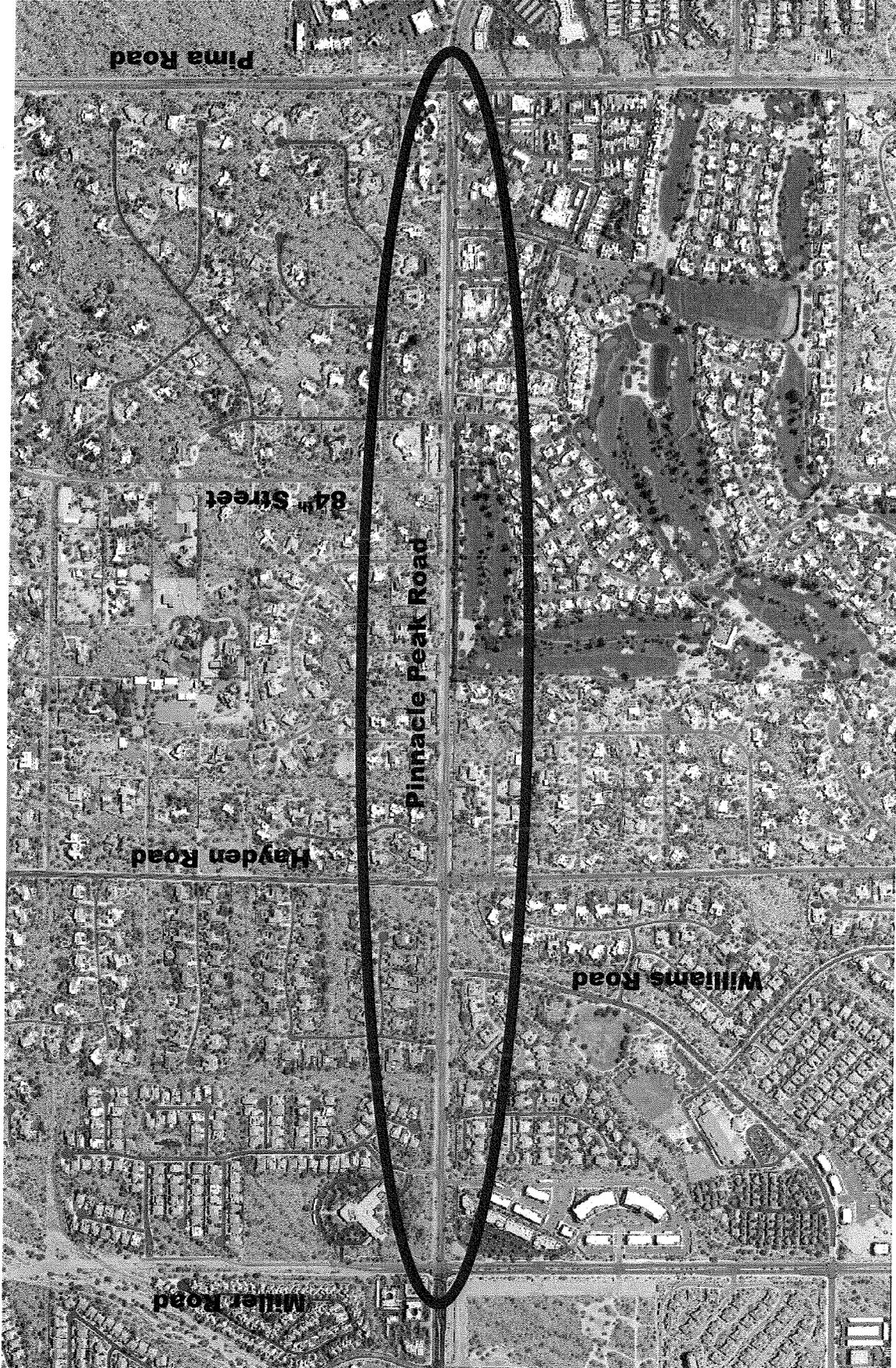
Description of how the requested project would improve mobility/safety and reduce congestion.	Widening Pinnacle Peak Road from Miller to Pima improves the east/west capacity connecting Scottsdale Road to Pima Road by adding additional lanes and improving the drainage for the storm water runoff.
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Requested Project's Benefit to the MAG Region?	Pinnacle Peak Road extends from the City of Scottsdale through Phoenix, Glendale, Peoria and McDot and is a major connection for the MAG Region.
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- A map of the original project
- A map of the substitute or rescoped project
- Corridor Studies and/or other plan documents
- Technical analysis conducted (ie. level of service, modeling)

Pinnacle Peak: Miller to Pima



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Name of Rescoped/ Substitute Project	Hayden Road Intersection Improvements: Chaparral and Camelback
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Description of Rescoped/ Substitute Project	This project in our Capital Improvement Program (CIP) is identified to improve the safety and mobility on Hayden Road at Chaparral and Camelback Roads. The existing bridge at Camelback Road will be widened to add an additional left turn lane and a free right turn lane from northbound Hayden Road to eastbound Chaparral will improve the circulation from the SR101L to downtown Scottsdale and Fashion Square.
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ORIGINAL PROJECT SCHEDULE

WORK PHASE	WORK FISCAL YEAR	REIMBURSEMENT FISCAL YEAR	PROGRAMMED REIMBURSEMENT	CURRENT FUND TYPE
Pre-Design	2014	2018	\$52,000	RARF
Design	2015	2018	\$628,000	RARF
ROW	2015	2018	\$612,000	RARF
Construction	2015	2018	\$4,704,000	RARF
Save	2020	2020	\$5,529,000	RARF
TOTALS			\$11,525,000	RARF

RESCOPED/SUBSTITUTE PROJECT BUDGET

WORK PHASE	WORK FISCAL YEAR	TOTAL COST	LOCAL SHARE	REGIONAL SHARE	REGIONAL %
Design	2013	\$374,000	\$112,200	\$261,800	70.00%
ROW	2014	\$0	\$0	\$0	0.00%
Construction	2015	\$4,146,000	\$1,243,800	\$2,902,200	70.00%
TOTALS		\$4,520,000	\$1,356,000	\$3,164,000	70.00%

CURRENT FACILITY FEATURES (RESCOPED/SUBSTITUTE PROJECT)

Total Lanes	10	Average Daily Traffic	50,000
North/South Lanes	6	V/C Ratio	N/A
East/West Lanes	4	Bus Pullouts	No
Length of Facility	0.5	Bicycle Facilities	No

PLANNED FACILITY FEATURES (RESCOPED/SUBSTITUTE PROJECT)			
Total Lanes	10	Bus Pullouts	Yes
North/South Lanes	6	Bicycle Facilities	Yes
East/West Lanes	4	Pedestrian Facilities	Yes
Length of Facility	0.5	Paved Shoulders/Curbs	Yes

Please explain the reason for requesting to substitute or rescope the original project.	This project is currently identified in the City of Scottsdale CIP and would provide an improvement to the mobility and safety at two major intersections on Hayden Road.
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What technical documents and supporting analysis are available to demonstrate the feasibility of the requested project?	We will supply information to the Streets Committee.
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Description of how the requested project would improve mobility/safety and reduce congestion.	This project will improve the traffic flow from the SR101L to Downtown Scottsdale and Fashion Square.
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Requested Project's Benefit to the MAG Region?	Hayden Road is the extension of McClintock in Tempe and is a major north/south connection to the region.
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Please attach the following documentation when submitting the request to MAG Staff:

- A map of the original project
- A map of the substitute or rescoped project
- Corridor Studies and/or other plan documents
- Technical analysis conducted (ie. level of service, modeling)

Map of Hayden and Chaparral, Hayden and Camelback intersections



Location of intersection improvements



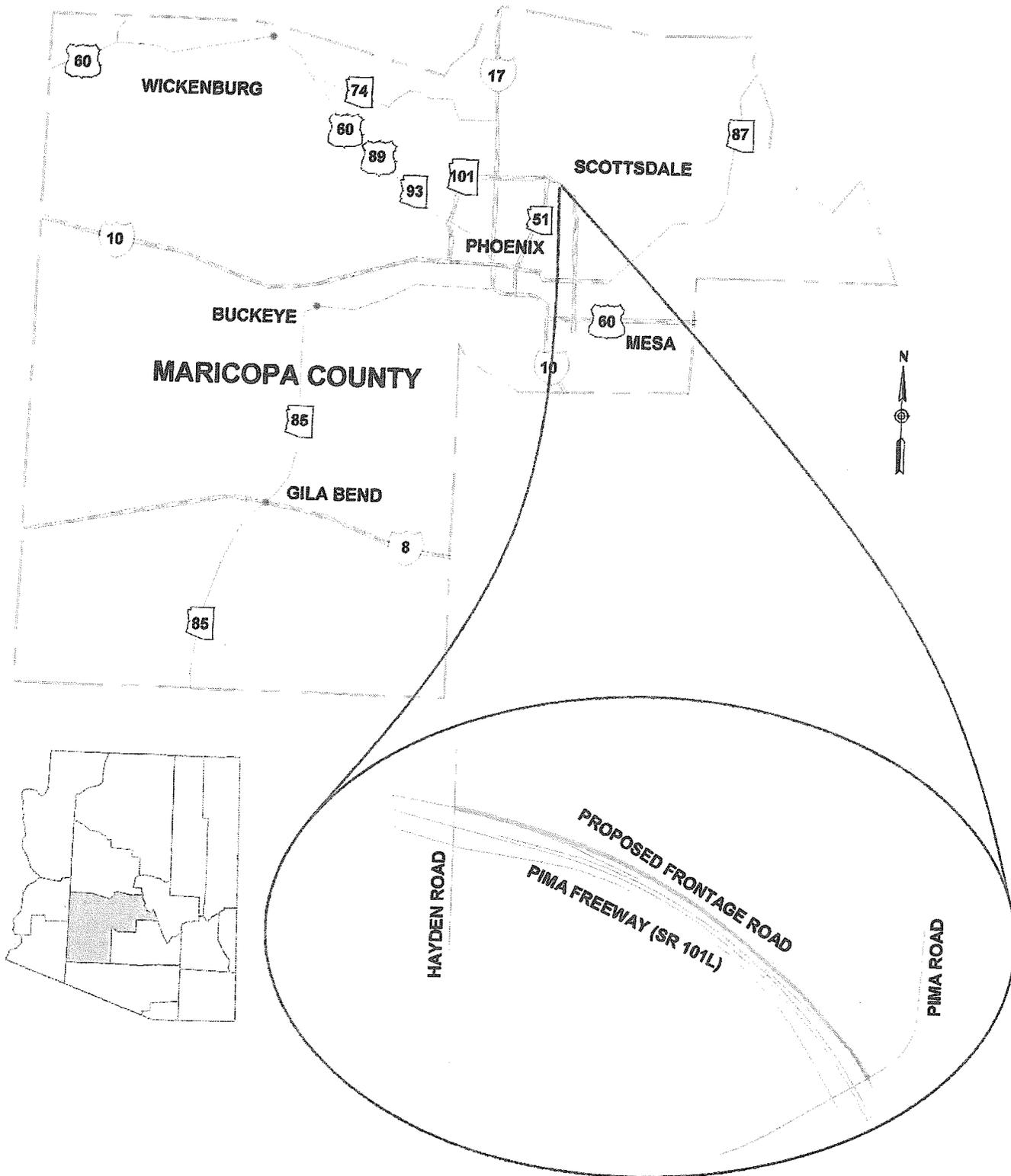


FIGURE 1 – LOCATION MAP