



ARTERIAL LIFE CYCLE PROGRAM

Status Report

October 2008 – March 2009

CONTENTS

ALCP Revenue and Finance	1
RARF Revenue Forecast	2
MAG Gov Delivery	3
ALCP Policies and Procedures	4
ALCP Project Status.....	4
Fiscal Year 2009 ALCP Schedule.....	5
ALCP Project Status Tables for FY 2009	6

Fiscal Year (FY) 2009 is the third full fiscal year of implementation for the Arterial Life Cycle Program (ALCP). The ALCP has 38 projects programmed for work in Fiscal Year 2009. The work programmed varies from studies, pre-design, design, purchasing right-of-way, and construction. In addition to the work programmed, \$118 million is programmed for reimbursement in FY09.

ALCP REVENUE AND FINANCE

The ALCP receives dedicated sales tax revenues (RARF) for transportation improvements to the arterial road network in Maricopa County. RARF revenues are deposited into the arterial account on a monthly basis. ALCP Projects may receive funding from one or more sources, which include Regional Area Road Funds (RARF), Surface Transportation Program – MAG Funds (STP-MAG), and Congestion Mitigation and Air Quality Improvement Program Funds (CMAQ).

The ALCP receives dedicated sales tax revenues (RARF) for transportation improvements to the arterial road network in Maricopa County. To date, more than \$118 million Regional

Table 1. FY08 RARF Collections (July 2008 - January 2009)

Month	Freeways	Arterial Streets	Transit	Prop. 400 (total)
July	\$16,835,832.89	\$3,133,980.47	\$9,939,195.21	\$ 29,909,009
August	15,902,360.81	2,962,370.28	9,394,945.73	\$ 28,259,677
September	16,142,825.11	2,990,288.19	9,483,485.39	\$ 28,616,599
October	16,314,068.90	3,044,822.87	9,656,438.24	\$ 29,015,330
November	15,197,168.09	2,823,702.69	8,955,171.41	\$ 26,976,042
December	14,959,456.38	2,790,086.05	8,848,558.60	\$ 26,598,101
January	\$17,710,482.92	3,297,070.27	10,456,455.84	\$ 31,464,009
Total	\$ 113,062,195	\$ 21,042,321	\$ 66,734,250	\$ 200,838,766

Area Road Funds have been collected for the arterial account. As of March 2009, the RARF account balance was \$58.4 million. Table 1 provides a breakdown of RARF revenues collected between July 2008 and January 2009 by mode.

During the first seven months of FY2009, \$200 million in total RARF revenues have been collected. However, the amount collected is more than \$20 million lower than the \$221 million forecasted. RARF Revenue collection continues to decline. As of January 2009, RARF revenues collected during the fiscal year were 10.6 percent lower than forecasted. Table 2 summarizes the estimated and actual RARF revenue collections from July 2008 to January 2009.

Table 2. Total RARF Collections Estimate v. Actual FY2008 (July 2008 - January 2009)

	Estimated Total RARF	Actual Total RARF	Percentage Difference
July	\$ 31,989,000	\$29,909,008.57	-6.50%
August	\$ 29,649,000	28,259,676.82	-4.69%
September	\$ 30,390,000	28,616,598.69	-5.84%
October	\$ 31,159,000	29,015,330.01	-6.93%
November	\$ 30,676,000	26,976,042.19	-12.06%
December	\$ 30,563,000	26,598,101.03	-12.97%
January	\$ 37,669,000	31,464,009.03	-16.47%
Total	\$ 222,095,000	\$ 200,838,766	-9.6%



RARF REVENUE FORECASTS

The Arizona Department of Transportation (ADOT) estimates the Transportation Excise Tax revenues for Maricopa County annually, at a minimum. The excise tax revenues flow into Regional Area Road Fund (RARF) and are a major funding source for the Arterial Life Cycle Program. At times, ADOT may issue an interim forecast to address economic conditions that impact the forecast for the current fiscal year (FY).

Since 1986, ADOT has used a comprehensive regression-based econometric model to estimate the Transportation Excise Tax revenues. The revenue forecast is highly dependent on independent variables estimates contained in the model, which include:

- Construction Employment Growth (Maricopa County)
- Consumer Price Index (Phoenix)
- Housing Start Growth (U.S.)
- Population Growth (Maricopa County)
- Prime Interest Rate
- Real Income Growth per Capita (Maricopa County)
- Sky Harbor Passenger Traffic Growth
- Total Non-Farm Employment Growth (Maricopa County)

To address the variability between estimated and actual values, ADOT initiated the Risk Analysis Process, which includes a probability analysis and independent evaluation of the model's variables by an expert panel of economists. The process results in a series of forecasts, with specified probabilities of occurrence, rather than a single or "best guess" estimate. The forecast is commonly referred to as the RARF Revenue Forecast.

ADOT released the first FY2009 RARF Forecast in November 2008. The forecast was developed based on a panel discussion conducted in August 2008. Since the forecast was developed, economic conditions have worsened. As a result, ADOT released a revised RARF Revenue Forecast in February 2009. Table 3 displays the RARF Revenue Forecasts from November 2003, November 2008, and February 2009 (draft). The table also illustrates the change from the original forecast (in millions).

At the February meeting of the Transportation Review Committee, MAG Staff apprised Committee members about the decrease in projected RARF Revenue. MAG Staff explained that in order to maintain the fiscal balance of the Arterial Life Cycle Program that Section 270 of the ALCP Policies and Procedures (Use of Surplus or Deficit Program Funds) would need to be applied. Under Section 270B, ALCP projects may be delayed in priority order if there is a deficit of program funds.

On March 10, 2009, MAG Staff released the first Draft of the FY 2010 Arterial Life Cycle Program. The Draft ALCP included a shift in programmed reimbursements of one to three years. As a result of the decrease revenue projection, more than \$97 million in reimbursements were programmed in unfunded years of the ALCP. To obtain a copy of the Draft FY 2010 ALCP, please contact Christina Hopes at chopes@mag.maricopa.gov.



ARTERIAL LIFE CYCLE PROGRAM ALLOCATION - 2008\$					
FY	Nov 2003 (Original) Forecast	Nov 2008 Forecast		January 2009 Forecast	
		Forecasted	Change from 2003 Forecast	Forecasted	Change from 2003 Forecast
2009	42.69	39.95	(2.74)	36.30	(6.39)
2010	45.95	41.66	(4.28)	36.84	(9.10)
2011	49.47	45.31	(4.16)	38.68	(10.78)
2012	53.05	49.13	(3.92)	41.58	(11.47)
2013	56.95	53.06	(3.90)	44.91	(12.04)
2014	61.23	57.21	(4.01)	48.43	(12.80)
2015	65.81	61.49	(4.33)	52.05	(13.77)
2016	70.47	65.81	(4.65)	55.70	(14.76)
2017	75.56	70.41	(5.15)	59.60	(15.96)
2018	81.18	75.08	(6.10)	63.55	(17.63)
2019	87.18	79.74	(7.44)	67.49	(19.69)
2020	93.52	85.04	(8.48)	71.98	(21.55)
2021	100.37	90.52	(9.85)	76.62	(23.75)
2022	107.34	96.40	(10.94)	81.60	(25.75)
2023	115.04	102.77	(12.26)	86.99	(28.05)
2024	123.23	109.59	(13.64)	92.76	(30.47)
2025	132.32	116.78	(15.54)	98.85	(33.47)
2026	82.88	72.30	(10.57)	61.17	(21.70)
TOTALS	\$1,555.14	\$1,431.77	(\$131.96)	\$1,234.60	(\$329.13)

MAG GovDelivery

In an effort to make information delivery faster, MAG implemented an e-mail notification system that will make it easier to receive documents such as agendas, minutes and reports. Through a free subscription service called GovDelivery, MAG member agencies and the public will have better access to information that is posted on the MAG Web site.

The subscription service monitors specific Web pages for changes, and when a change is detected, the service sends an e-mail to subscribers notifying them of the change. Users may choose to subscribe to as many of the pages as they wish. Currently, GovDelivery monitors over 120 web pages on the MAG web site.

As a subscriber, you can choose not only what information to receive, but also how often you receive it—immediately, daily, or weekly.

To subscribe, click on the link on the page that says "Sign up to receive email updates." Users can also click on a Quick Subscribe link on various pages to see a full list and subscribe

Project Requirements and Forms

- [Project Overview Form](#) (Blank, MS Word)
 - [Project Reimbursement Request Form](#) (Blank, M
 - [ALCP Project Change Request Form](#) (Blank, Exc
- [Get e-mail updates when this information changes /](#)



to any of the MAG pages. To subscribe, only a few pieces of information will be required, such as e-mail address, delivery preferences and organization.

Users can also let MAG Staff know if they would like to go solely with GreenDelivery and stop paper deliveries for any or all communications that you currently receive from MAG. If you are interested in GreenDelivery, please contact the MAG office or appropriate staff.

MAG Staff is excited to bring you this new service, and hope that you will find this to be a valuable and flexible means of allowing you to tailor your communications with MAG to meet your specific needs. If you have questions about GovDelivery or GreenDelivery, please e-mail askidmore@mag.maricopa.gov.

ALCP POLICIES AND PROCEDURES

The ALCP Policies and Procedures (“Policies”) guide the implementation of the Arterial Life Cycle Program. The current Policies were approved through the MAG Committee Process on December 19, 2007. During the fall, MAG Staff began revising the current policies in cooperation with ALCP Working Group and Lead Agency Staff. The ALCP Working Group met on November 17, 2008 and January 9, 2009 to discuss the revisions and continued the discussion and refinement process via e-mail and informal discussions.

Based on MAG Staff and the ALCP Working Group input, a series of refinements to existing policies were added to the current Draft. Key refinements to the Policies include:

- Capital Improvement Program Disclosure (Sections 220.B and 400.E)
- Requirements for Proposed Scope Changes/Substitute Projects (Section 220.E – 220.F)
- Regional Area Road Fund (RARF) Closeout Process (Section 260)
- High Priority Projects (Section 310.D and 320.D)
- Ineligible Project Expenditures (Section 320.E)
- Project Agreement Amendment and Termination Language (Section 410.B)

The revised ALCP Policies and Procedures will begin the approval process at the Transportation Review Committee Meeting on March 26, 2009. To obtain a copy of the ALCP Policies and Procedures DRAFT, please contact Christina Hopes at chopes@mag.maricopa.gov.

ALCP PROJECT STATUS

Over the last 6 months, two ALCP project overview reports were prepared by the lead agencies for projects in FY09. This brought the total of project overview reports submitted to 42. Project overview reports describe the general design features of the project, estimated costs, implementation schedules and relationships among participating agencies. The reports also provide the basis of project agreements, which must be executed before agencies may receive reimbursements from the program. Thus far, six project agreements have been executed in FY09, bringing the total number of signed project agreements to 32.



At the start of FY 2009, six Lead Agencies were programmed to receive \$118 million in reimbursements through the Arterial Life Cycle Program. Throughout the fiscal year, MAG reimbursed \$20.4 million to Lead Agencies for work conducted on ITS, arterial capacity and intersection improvements. ALCP Project receiving reimbursements in FY 2009 included:

- Pima Rd: SR 101 to Thompson Peak Parkway
- Power Rd: East Maricopa Floodway to Loop 202/Santan Fwy
- Warner Rd/Cooper Rd Intersection Improvements

FY 2009 ARTERIAL LIFE CYCLE PROGRAM SCHEDULE

March	<p>20th: Due Date, Member agencies submit comments for Draft FY2010 ALCP</p> <p>26th: TRC review/recommend/approve project changes to amend/administratively modify the current TIP, RTP, and ALCP*</p>
April	<p>Managers, TPC and RC review/recommend/approve project changes to amend/administratively modify the current TIP, RTP, and ALCP*</p> <p>15th: MAG Staff will determine the availability of RARF Closeout Funds and Eligible Projects</p> <p>23rd: TRC review/recommend ALCP projects for RARF Closeout Funds</p>
May	<p>Managers, TPC and RC review/recommend/approve ALCP projects for RARF Closeout Funds</p> <p>28th: TRC review/recommend/approve Draft FY2010 ALCP</p>
June	<p>1st: Due Date, Member Agencies submit final Project Reimbursement Requests for FY2009</p> <p>1st: Due Date, Member Agencies recommended to receive RARF Closeout Funds submit final versions of all ALCP project requirements</p> <p>Managers, TPC and RC review/recommend/approve Draft FY2010 ALCP</p>

**If necessary*

This is the ninth Status Report for the Arterial Life Cycle Program (ALCP). Semi-annually, MAG staff will provide member agencies with an update on the projects in the ALCP. This report and all other ALCP information are available online at <http://www.mag.maricopa.gov/project.cms?item=5034>.



Arterial Life Cycle Program Status Report

ARTERIAL STREET LIFE CYCLE PROGRAM
October 2008 - March 2009, Project Status of Projects Underway
(2008 and Year of Expenditure, Dollars in Millions, Consistent with the FY09 - January 28, 2009 ALCP)

Lead Agency & Facility	Project Requirement Completed PO = Project Overview PA = Project Agreement	Status S=Study, P=Pre-Design, D=Design, R=ROW, C=Const, C/O=Closed out	Regional Funding Reimbursements			Total Expenditures (Exp.)		FY(s) for Reimb.	FY for Final Constr.	Other Project Information
			Programmed Reimb. FY09	Estimated Future Reimb. FY 2010 - 2026 (2008\$)	Reimb. To Date	Exp. through FY 2009 (YOES)	Estimated Future Exp. FY 2010 - 2026 (2008\$)			
CHANDLER										
Chandler Blvd at Alma School Rd	PO, PA	D, R	1.304	2.411	-	-	9.633	2009-2011	2011	
Chandler Blvd at Dobson Rd	PO, PA	D, R, C	3.627	-	0.084	0.774	6.912	2007-2009	2009	Study 100% complete; Design is 92% complete
Gilbert Rd: Chandler Heights Rd to Hunt Hwy		D	-	5.895	-	NA	NA	2024	2011	
Gilbert Rd: Queen Creek Rd to Chandler Heights Rd		D	-	7.940	-	NA	NA	2023	2011	
Gilbert Rd: SR202L/Germann Rd to Queen Creek Rd	PO, PA	D, R, C	-	6.773	-	-	11.874	2021	2009	
Queen Creek Rd: Arizona Ave to McQueen Rd	PO, PA	D, R, C	-	4.318	-	-	9.597	2012	2009	
Queen Creek Rd: McQueen Rd to Lindsay Rd		D	-	11.967	-	NA	NA	2011-2012	2011	
Ray Rd at Alma School Rd	PO, PA	D, R	2.080	1.492	0.137	0.196	9.513	2008-2010	2010	Design 30% Complete
Ray Rd at McClintock Dr	PO	D	-	3.714	-	-	8.102	2011	2011	
FOUNTAIN HILLS										
Shea Blvd: Palisades Blvd. to Fountain Hills Blvd.	PO, PA	D	0.288	-	0.248	0.355	0.057	2009		Studies and ROW 100% Complete; Design 95% complete
Shea Blvd: Technology Dr to Cereus Wash	PO, PA	D, R	1.089	4.614	0.038	0.055	8.092	2009-2010	2010	Studies 95% complete; Design 8% complete
GILBERT										
Guadalupe Rd/Cooper Rd: Intersection Improvements		D, R, C	3.714	-	-	NA	NA	2009	2009	
Power Rd at Pecos: Intersection Improvement	PO	D, R, C	5.327	4.666	-	-	8.700	2009-2010	2009	
Power Rd: Santan Fwy to Pecos Rd		D, R, C	4.060	6.316	-	NA	NA	2009-2010	2010	

Arterial Life Cycle Program Status Report

ARTERIAL STREET LIFE CYCLE PROGRAM
October 2008 - March 2009, Project Status of Projects Underway
(2008 and Year of Expenditure, Dollars in Millions, Consistent with the FY09 - January 28, 2009 ALCP)

Lead Agency & Facility	Project Requirement Completed PO = Project Overview PA = Project Agreement	Status S=Study, P=Pre-Design, D=Design, R=ROW, C=Const, C/O=Closed out	Regional Funding Reimbursements			Total Expenditures (Exp.)		FY(s) for Reimb.	FY for Final Constr.	Other Project Information
			Programmed Reimb. FY09	Estimated Future Reimb. FY 2010 - 2026 (2008\$)	Reimb. To Date	Exp. through FY 2009 (YOE\$)	Estimated Future Exp. FY 2010 - 2026 (2008\$)			
GILBERT										
Warner Rd at Cooper Rd	PO, PA	C/O	3.714	-	-	-	6.817	2009	2008	
MARICOPA COUNTY										
El Mirage Rd: Bell Rd to South of Beardsley Rd		D, R	-	9.568	-	NA	NA	2016-2018	2010	
El Mirage Rd: Deer Valley Drive to L303		D, C	-	9.722	-	NA	NA	2016-2018	2009	
El Mirage Rd: Thunderbird Rd to Bell Rd	PO, PA	P, R	0.680	19.978	-		71.539	2006, 2008-2015	2015	
El Mirage Rd: Thunderbird to Northern Ave.	PO	P	-	16.535	-		24.020	2016-2018	2018	
McKellips Rd: Loop 101 (Pima Fwy) to SRP-MIC/Alma School Rd		P	-	38.820	-	NA	NA	2009, 2013-2015	2015	
Northern Parkway: Corridorwide ROW Protection		R	1.810	3.338	-	NA	NA	2009-2011		
Northern Parkway: Sarival to Dysart		P, D, R	19.699	35.060	-	NA	NA	2009-2011	2011	
Power Rd: Baseline Rd to East Maricopa Floodway	PO, PA	D, R, C	4.882	-	2.820	8.948	6.264	2008-2009	2009	
MESA										
Broadway Rd: Dobson Rd to Country Club Dr	PO, PA	P, D, R	1.920	5.305	0.080	0.115	19.098	2008-2010	2010	
Country Club at University	PO, PA	D, R	-	2.756	-		6.995	2017	2010	
Dobson Rd at Guadalupe Rd	PO, PA	P, D, R	0.543	2.092	0.106	0.152	5.761	2008-2010	2010	Design 60% Complete
Dobson Rd at University Dr		D	-	2.756	-	NA	NA	2020	2011	
Gilbert Rd at University Dr	PO, PA	D, R, C	-	2.756	-		8.100	2022	2009	

Arterial Life Cycle Program Status Report

ARTERIAL STREET LIFE CYCLE PROGRAM
October 2008 - March 2009, Project Status of Projects Underway
(2008 and Year of Expenditure, Dollars in Millions, Consistent with the FY09 - January 28, 2009 ALCP)

Lead Agency & Facility	Project Requirement Completed PO = Project Overview PA = Project Agreement	Status S=Study, P=Pre-Design, D=Design, R=ROW, C=Const, C/O=Closed out	Regional Funding Reimbursements			Total Expenditures (Exp.)		FY(s) for Reimb.	FY for Final Constr.	Other Project Information
			Programmed Reimb. FY09	Estimated Future Reimb. FY 2010 - 2026 (2008\$)	Reimb. To Date	Exp. through FY 2009 (YOE\$)	Estimated Future Exp. FY 2010 - 2026 (2008\$)			
MESA										
Greenfield Rd: Baseline Rd to Southern Ave	PO, PA	D, R	0.617	4.086	0.455	0.650	7.165	2008-2010	2010	Design 90% Complete; ROW 30% Complete
Hawes Rd: Santan Fwy to Ray Rd		D	-	2.329	-	NA	NA	2021	2010	
McKellips Rd at Lindsay Rd	PO, PA	D, R	1.956	4.278	0.045	0.061	8.285	2008-2010	2010	Design 15% Complete
Mesa Dr at Broadway Rd	PO	P	0.150	0.701	-	-	18.700	2009-2012	2012	
Mesa Dr: US-60 (Superstition Fwy) to Southern	PO, PA	P, D, R	3.449	4.879	0.044	0.063	21.650	2008-2010	2010	
Power Rd: East Maricopa Floodway to Santan Fwy/Loop 202		D, R, C	10.092	-	-	NA	NA	2009	2009	
Ray Rd: Sossaman Rd to Ellsworth Rd		D, R	-	3.759	-	NA	NA	2022	2010	
Southern Ave at Country Club Dr	PO	D	0.307	4.504	-	-	6.400	2009-2011	2011	
Southern Ave at Lindsay Rd	PO	D	0.315	4.415	-	-	6.303	2009-2011	2011	
Southern Ave at Stapley Dr	PO, PA	P, D	1.221	11.259	0.119	0.170	16.630	2008-2011	2011	
Thomas Rd: Gilbert Rd to Val Vista Dr		D, R	1.746	3.766	-	NA	NA	2009-2010	2010	
PEORIA										
Beardsley Rd Connection: Loop 101 to Beardsley Rd at 83rd Av/Lake Pleasant Pkwy	PO, PA	D, R, C	-	22.885	-	-	30.700	2011-2012	2009	
Happy Valley Rd: Lake Pleasant Pkwy to 67th Ave		D, R, C	-	20.369	-	NA	NA	2021-2023	2009	
Lake Pleasant Pkwy: Dynamite Blvd to L303	PO	D	-	4.793	22.334	47.578	-	2011-2014	2011	

Arterial Life Cycle Program Status Report

ARTERIAL STREET LIFE CYCLE PROGRAM
October 2008 - March 2009, Project Status of Projects Underway
(2008 and Year of Expenditure, Dollars in Millions, Consistent with the FY09 - January 28, 2009 ALCP)

Lead Agency & Facility	Project Requirement Completed PO = Project Overview PA = Project Agreement	Status S=Study, P=Pre-Design, D=Design, R=ROW, C=Const, C/O=Closed out	Regional Funding Reimbursements			Total Expenditures (Exp.)		FY(s) for Reimb.	FY for Final Constr.	Other Project Information
			Programmed Reimb. FY09	Estimated Future Reimb. FY 2010 - 2026 (2008\$)	Reimb. To Date	Exp. through FY 2009 (YOE\$)	Estimated Future Exp. FY 2010 - 2026 (2008\$)			
PHOENIX										
Happy Valley Rd: 43rd Ave to 55th Ave		D	-	4.138	-	NA	NA	2024	2012	
Sonoran Blvd: Central Ave to 32nd St	PO	D	-	32.111	-	-	44.244	2011-2014	2013	
SCOTTSDALE										
Loop 101 (Pima Fwy) North Frontage Rd: Hayden Rd to Scottsdale Rd	PO, PA	C/O	3.805	-	3.745	5.349	3.379	2008-2009	2008	
Pima Rd at Happy Valley Rd		C/O	-	-	-	NA	NA	2009	2008	
Pima Rd: McKellips Rd to Via Linda		P, D, R	5.592	24.602	-	NA	NA	2008-2011	2011	
Pima Rd: SR101L to Thompson Peak Parkway	PO, PA	C/O	13.639	-	13.639	19.485	-	2009	2008	
Pima Rd: Thompson Peak Pkwy to Pinnacle Peak Rd	PO, PA	D, R, C	8.013	5.442	0.449	0.641	18.553	2009-2010	2010	
Scottsdale Rd: Thompson Peak Pkwy to Pinnacle Peak Rd		P, D	-	11.409	-	NA	NA	2011	2011	
Shea at 120/124th Streets		D, R, C	-	0.377	-	NA	NA	2022	2009	
Shea Auxiliary Lane from 90th St to Loop 101		D	-	3.411	-	NA	NA	2023-2024	2010	
Shea Blvd - 96th St to 144th St ITS Improvements		D, R	-	2.322	-	NA	NA	2024	2010	
Shea Blvd - SR-101L to 96th St, ITS Improvements		D, C	-	0.377	-	NA	NA	2022	2009	
Shea Blvd at 114th Street		D, R	-	0.261	-	NA	NA	2022-2023	2010	
Shea Blvd at 115th Street		D	-	0.109	-	NA	NA	2024	2010	
Shea Blvd at 136th Street		D	-	0.174	-	NA	NA	2024	2011	
Shea Blvd at Frank Lloyd Wright Blvd		D, R	-	0.653	-	NA	NA	2022	2010	