

CMAQ DETAILED PROJECT LISTING REPORT (FY 2009)

STATE	CMAQ PROJECT ID	CMAQ AMOUNT	PROJECT TYPE	PROJECT TITLE	PROJECT DESCRIPTION	VOC (kg/day)	CO (kg/day)	NOx (kg/day)	PM ₁₀ (kg/day)	Net Benefit (kg/day)	STATE PROJECT ID	FMIS PROJECT ID	TIP PROJECT ID	NON-ATTAINMENT/ MAINTENANCE	Is this an outreach activity?	Is this a TCM in an approved
Arizona	AZ20090018	\$939,998	Shared Ride	Maricopa Association of Governments: Trip Reduction Program	Trip Reduction Program	385.81	4643.87	326.91	323.76	5680.35	PMG09 02P	999A(042)	MAG09-617	Phoenix	Yes	Yes
Arizona	AZ20090020	\$700,092	Shared Ride	Maricopa Association of Governments: Regional Rideshare Program	Regional Rideshare Program	269.04	3238.34	227.97	225.77	3961.12	PMG09 02P	999A(042)	MAG09-615	Phoenix	Yes	Yes
Arizona	AZ20090021	\$317,967	Shared Ride	Maricopa Association of Governments: Telework & Ozone Outreach Program	MAG/Valley Metro Telework Outreach and Ozone Education Program	249.82	3007.03	211.68	209.64	3678.17	PMG09 02P	999A(042)	MAG09-612	Phoenix	Yes	Yes
Arizona	AZ20090019	\$138,176	Shared Ride	Maricopa Association of Governments: Travel Reduction Program	Capitol Rideshare Program	3.11	37.45	2.64	2.61	45.81	PMG09 02P	999A(042)	MAG08-610	Phoenix	Yes	Yes
						907.78	10926.69	769.20	761.78	13365.45						

Arizona	AZ20090022	\$1,612,968	I/M and Other TCMs	Maricopa Association of Governments: PM-10 Certified Street Sweeper Program	Regional program for the purchase of PM-10 Certified Street Sweepers				1561.00	1561.00	PMG09 03P	999A(043)	MAG09-614	Phoenix	No	No
Arizona	AZ20090017	\$702,000	I/M and Other TCMs	Litchfield Park: Pave Unpaved Alleys Various Locations	Pave unpaved alleys at various locations				149.28	149.28	SS66601C	LPK0200	LPK08-801	Phoenix	No	No
Arizona	AZ20090037	\$316,377	I/M and Other TCMs	Salt River Pima - Maricopa Indian Community: Design Pave Dirt Roads	Design pave dirt roads within the Salt River Pima - Maricopa Indian Community				92.57	92.57	SS84203D	SRI0201	SRP09-802	Phoenix	No	No
Arizona	AZ20090002	\$56,000	I/M and Other TCMs	Buckeye: Design Pave Dirt Shoulders	Design Pave Dirt Shoulders at Various Locations				36.77	36.77	SS84103D	BKY0203	BKY09-802	Phoenix	No	No
Arizona	AZ20090025	\$1,440,000	I/M and Other TCMs	Maricopa County: Pave shoulders	Pave shoulders to include a bicycle lane on Rio Verde Dr from Forest Rd to 136th St alignment	0.21	3.25	0.09	20.10	23.65	SS70101C	MMA0209	MMA09-610	Phoenix	No	No
						0.21	3.25	0.09	1859.72	1863.27						

Arizona	AZ20090030	\$566,550	Traffic Flow Improvements	Mesa: Upgrade TMC Equipment	Upgrade TCM equipment and purchase central components field cameras and VMS	146.37	621.90	160.73		929.00	SS73501C	MES0208	MES09-607	Phoenix	No	Yes
Arizona	AZ20090006	\$1,000,000	Traffic Flow Improvements	Chandler: Upgrade Traffic Management Center equipment	Upgrade retrofit and integrate TMC equipment at Buffalo St and Colorado St	42.86	211.77	49.17		303.80	SS84001C	CHN0213	CHN10-613	Phoenix	No	Yes
Arizona	AZ20090031	\$296,548	Traffic Flow Improvements	Peoria: Install connections from existing traffic signals to central system	Connect existing traffic signals with a hybrid wireless fiber system to the central system	8.13	39.63	9.04		56.80	SS72101C	PEO0203	PEO13-904	Phoenix	No	Yes
Arizona	AZ20090040	\$1,000,000	Traffic Flow Improvements	Surprise: Construct fiber optic interconnection of traffic signals	Construct fiber optic interconnection of traffic signals on Greenway Rd from US 60 to Cotton Ln	7.08	28.57	7.69		43.34	SS67601C	SUR0204	SUR10-614	Phoenix	No	Yes
Arizona	AZ20090026	\$852,459	Traffic Flow Improvements	Maricopa County: Establish arterial incident response teams	Establish REACT arterial incident response teams in Glendale Peoria and Scottsdale	31.22	(8.97)	15.40		37.65	SS68701C	MMA0206	MMA09-810	Phoenix	No	Yes
Arizona	AZ20090012	\$300,000	Traffic Flow Improvements	Glendale: Develop ITS Strategic Plan	Develop an ITS Strategic Plan document in line with regional ITS planning efforts	21.79	(5.33)	10.06		26.52	SS85303D	GLN0229	GLN09-815	Phoenix	No	Yes
Arizona	AZ20090027	\$1,000,000	Traffic Flow Improvements	Maricopa County: Construct ITS improvements	Construct ITS improvements on Bell Rd from Loop 303 Estrella Freeway to Loop 101 Agua Fria Freeway	11.95	(2.63)	5.64		14.96	SS59503D	MMA0046	MMA09-607	Phoenix	No	Yes
Arizona	AZ20090038	\$1,822,800	Traffic Flow Improvements	Scottsdale: Construct smart corridor traffic control system	Construct smart corridor traffic control system on Scottsdale Rd from Loop 101 Pima Freeway to Indian School Rd	9.58	(2.09)	4.45		11.94	SS57701C	SCT0015	SCT04-119C	Phoenix	No	Yes
Arizona	AZ20090024	\$294,908	Traffic Flow Improvements	Maricopa Association of Governments: Traffic Signal Optimization Project	Traffic Signal Optimization Project	9.20	(2.03)	4.34		11.51	PMG09 02P	999A(042)	MAG09-801	Phoenix	Yes	Yes
Arizona	AZ20090035	\$400,000	Traffic Flow Improvements	Phoenix: Downtown Traffic Management System	Upgrade the Downtown Traffic Management System software video switches wall and the TMC projector system	5.26	(1.16)	2.48		6.58	SS83701C	PHX0243	PHX07-317	Phoenix	No	Yes
Arizona	AZ20090011	\$150,000	Traffic Flow Improvements	Glendale: Design for fiber optic cable conduit and Closed Circuit Television	Design for fiber optic cable conduit and CCTV at various locations on Cactus Rd Thunderbird Rd and Greenway Rd.	3.02	(0.65)	1.37		3.74	SS84703D	GLN0223	GLN09-812	Phoenix	No	Yes
Arizona	AZ20090028	\$2,220,000	Traffic Flow Improvements	Mesa: Expand fiber optic network	Expand fiber optic network and link 11 traffic signals to the TMC	4.30	(2.59)	1.73		3.44	SS63501C	MES0202	MES08-807	Phoenix	No	Yes
Arizona	AZ20090033	\$2,520,000	Traffic Flow Improvements	Peoria: Construct intersection	Construct intersection at 91st Ave and Olive Ave	0.46	1.91	0.21	0.00	2.58	SS60301C	PEO0009	PEO06-202C	Phoenix	No	Yes
Arizona	AZ20090029	\$1,370,000	Traffic Flow Improvements	Mesa: Install signal system	Install real-time adaptive signal system in the Superstition Springs Mall Area	2.59	(1.57)	1.04		2.06	SS56301C	MES0027	MES04-125C	Phoenix	No	Yes
Arizona	AZ20090004	\$282,700	Traffic Flow Improvements	Chandler: Install integrated signal system	Install Chandler Fire/Police Department signal system integration and variable message signs at various locations	0.84	(0.19)	0.40		1.05	SS62501C	CHN0200	CHN06-214	Phoenix	No	Yes
Arizona	AZ20090010	\$150,000	Traffic Flow Improvements	Glendale: Design of fiber optic cable conduit and Dynamic Message Signs	Design for installation of fiber optic cable conduit and DMS at 59th Ave from Northern Ave to Bethany Home Rd; Glendale Ave from 51st Ave to 67th Ave; and Peoria Ave from 47th Ave to 67th Ave	7.60	(9.14)	2.53		0.99	SS84503D	GLN0221	GLN09-810	Phoenix	No	Yes
Arizona	AZ20090005	\$450,000	Traffic Flow Improvements	Chandler: Install fiber optic cable for traffic signal interconnection	Install fiber optic cable traffic signal interconnection on Chandler Blvd from Delaware St to Gilbert Rd	0.67	(0.15)	0.31		0.83	SS72601C	CHN0210	CHN09-802	Phoenix	No	Yes
Arizona	AZ20090034	\$1,256,000	Traffic Flow Improvements	Phoenix: Intersection improvements	Design and construction of intersection improvements at 7th St and McDowell Rd	0.10	0.41	0.04	0.00	0.55	SS64701C	PHX0209	PHX07-316	Phoenix	No	Yes
						313.02	867.69	276.63	0.00	1457.34						

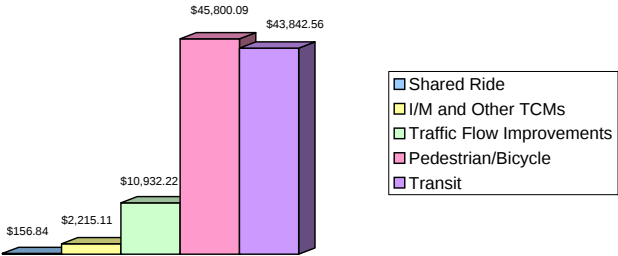
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Arizona	AZ20090023	\$24,000	Pedestrian/Bicycle	Maricopa Association of Governments: Valley Metro Bicycle Education Project	Bicycle Education Program	13.45	161.92	11.40	11.29	198.06	PMG09 02P	999A(042)	MAG09-611B	Phoenix	Yes	Yes
Arizona	AZ20090009	\$100,000	Pedestrian/Bicycle	Glendale: Design bike lane and multi-use path	Design project to widen roadway for a bike lane on 67th Ave to 69th Ave and pave multi-use path in Discovery Park from 79th Ave to 83rd Ave	1.48	22.95	0.63	3.47	28.53	SL67102D	GLN0220	GLN09-813	Phoenix	No	Yes
Arizona	AZ20090039	\$7,745,320	Pedestrian/Bicycle	Scottsdale: Upgrade sidewalks and add bicycle lanes	Upgrade sidewalks and add bicycle lanes on Scottsdale Rd from Roosevelt St to Earll Dr	1.68	24.20	0.66	0.30	26.84	SS65501C	SCT0202	SCT09-611	Phoenix	No	Yes
Arizona	AZ20090008	\$250,000	Pedestrian/Bicycle	Glendale: Design multi-use path	Design a 1.5 mile multi-use path along the Grand Canal from Loop 101 to New River	0.87	12.62	0.35	0.16	14.00	SL61902D	GLN0203	GLN09-818	Phoenix	No	Yes
Arizona	AZ20090013	\$450,000	Pedestrian/Bicycle	Glendale: Design multi-use path	Design multi-use path and underpass with landscaping lighting parking and pedestrian facilities at New River (east bank) from Northern Ave to Bethany Home Rd	0.75	10.75	0.30	0.13	11.93	SS84603D	GLN0222	GLN09-811	Phoenix	No	Yes
Arizona	AZ20090041	\$2,550,000	Pedestrian/Bicycle	Tempe: Construct pedestrian improvements	Construct pedestrian improvements on College Ave from Superstition Freeway (US 60) to Apache Blvd	0.12	1.09	0.03	0.01	1.25	SS64001C	TMP0203	TMP08-602	Phoenix	No	Yes
Arizona	AZ20090001	\$129,804	Pedestrian/Bicycle	Avondale: Design and construct sidewalk	Design and construct sidewalk and landscaping on Buckeye Rd from Avondale Blvd to 117th Ave alignment	0.09	0.83	0.02	0.01	0.95	SS65801C	AVN0201	AVN11-706FIN	Phoenix	No	Yes
Arizona	AZ20090003	\$540,000	Pedestrian/Bicycle	Chandler: Install pedestrian actuated crossing signals	Install three pedestrian actuated crossing signals on Western Canal bike path at Dobson Rd Alma School Rd and Arizona Ave.	0.09	0.79	0.02	0.01	0.91	SS70701C	CHN0204	CHN11-710	Phoenix	No	Yes
Arizona	AZ20090032	\$1,164,057	Pedestrian/Bicycle	Peoria: Design and construct pedestrian improvements	Design and construct at-grade pedestrian improvements at 84th Ave from Peoria Ave to Monroe St	0.03	0.31	0.01	0.00	0.35	SS65701C	PEO0201	PEO08-602	Phoenix	No	Yes
\$12,953,181 Pedestrian/Bicycle						18.56	235.46	13.42	15.38	282.82						

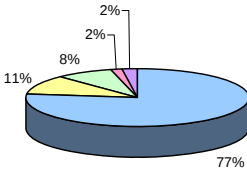
Arizona	AZ20090014	\$162,836	Transit	Glendale: Pre-design for regional park and-ride	Pre-design and environmental documentation activities for a regional park-and-ride near Loop 101 and Bell Rd	5.63	69.37	4.70	4.71	84.41	FTA	FTA	GLN09-816T	Phoenix	No	Yes
Arizona	AZ20090015	\$473,060	Transit	Glendale: Pre-design for regional park and-ride	Pre-design and environmental documentation activities for a regional park-and-ride near Loop 101 and Bell Rd	5.63	69.37	4.70	4.71	84.41	FTA	FTA	GLN09-817T	Phoenix	No	Yes
Arizona	AZ20090016	\$438,000	Transit	Goodyear: Purchase five buses	Purchase five buses for new neighborhood circulator services	5.65	71.15	2.42	4.49	83.71	FTA	FTA	GDY08-801T	Phoenix	No	Yes
Arizona	AZ20090043	\$300,000	Transit	Valley Metro Rail: Expand light rail service	Expand METRO light rail hours of service	2.83	34.11	2.40	2.38	41.72	FTA	FTA	VMR09-825T	Phoenix	No	Yes
Arizona	AZ20090036	\$11,406,416	Transit	Phoenix: Purchase 29 buses	Purchase 29 buses for regional fixed route service	(31.59)	10.93	26.68	32.42	38.44	FTA	FTA	PHX09-836T	Phoenix	No	Yes
Arizona	AZ20090007	\$1,086,000	Transit	Chandler: Construct regional park-and-ride	Repayment for the construction of a regional park-and-ride near Loop 202 and Arizona Avenue	2.31	28.54	1.93	1.94	34.72	FTA	FTA	CHN08-802T	Phoenix	No	Yes
Arizona	AZ20090042	\$1,856,002	Transit	Valley Metro Rail: Preliminary Engineering/FEIS for Fixed Guideway Corridor	Preliminary Engineering/FEIS for Fixed Guideway Corridor along Main Street in downtown Mesa	0.47	5.68	0.40	0.40	6.95	FTA	FTA	VMR09-806T	Phoenix	No	Yes
Arizona	AZ20090044	\$300,000	Transit	Valley Metro Rail: Ticket vending machines/fare validation systems	Acquire additional METRO ticket vending machines/fare validation systems at stations	0.47	5.68	0.40	0.40	6.95	FTA	FTA	VMR09-826T	Phoenix	No	Yes
Arizona	AZ20090045	\$1,000,000	Transit	Valley Metro Rail: Alternatives Analysis for Light Rail Transit	Alternatives Analysis for Light Rail Transit along Interstate-10 and Loop 101	0.47	5.68	0.40	0.40	6.95	FTA	FTA	VMR09-827T	Phoenix	No	Yes
\$17,022,314 Transit						(8.13)	300.51	44.03	51.85	388.26						

APPORTIONED AMOUNT	OBLIGATED AMOUNT	OBLIGATED %	Net Benefit (kg/day)
\$50,000,000	\$52,131,038	104%	17357.14
	\$2,096,233	Shared Ride	13365.45
	\$4,127,345	I/M and Other TCMs	1863.27
	\$15,931,965	Traffic Flow Improvements	1457.34
	\$12,953,181	Pedestrian/Bicycle	282.82
	\$17,022,314	Transit	388.26

Cost per Emissions (kg) Reduced by Category



Total Emission Benefits by Category (kg/day)



CMAQ Funding Allocated by Category

