

Appendix A

Project#	Jurisdiction	FY	LOC	Work Type	Group	Local Element	Market Package	MAG CMAQ Category	Project Type	Cost	Affected Roadway/Corridor						
											Length**	ADT	AADT	VMT	Speed _{BEFORE}	Speed _{AFTER} Category	Speed _{AFTER}
AVN13-901	Avondale	2013	McDowell Rd form 99th Ave to Avondale Blvd (2 miles) plus 1/8 mile on 99th Ave from McDowell Rd north to the first signalized shopping center location	Proposed project is to furnish and install 2 1/8 miles of fiber optic cable, conduit, interdict, associated equipment at 9 traffic signals and one CCTV camera	1	AV-1-E	ATMS01-04	Infrastructure	1	\$1,011,794	2.125	29,000	26,390	56,079	30.7	2	36.1
AVNFED-02	Avondale	2008	Avondale City Hall	Develop strategic plan for the Avondale Traffic Management System and Design Operation Center	1	AV-1-P	ALL	Planning	1	\$350,000	57	13,579	12,357	704,343	35		35.4
BCKFED-01	Buckeye	2009	Town of Buckeye-Miller Road (N-S) from I-10 (north limit) to Hazen Road (south limit).	Implement ITS Project	2	BU-2-I	ATMS03-13	Infrastructure	1	\$210,000	7	3,694	3,362	23,531	30	1	37.5
CHNFED07-04	Chandler_CH-2	2011	Chandler Blvd - McQueen Rd to Gilbert Rd	Install fiber optic traffic signal interconnect	3	CH-2-E	ATMS03	Infrastructure	1	\$152,600	2	31,200	28,392	56,784	23.3	4	25.2
CHN09-802	Chandler	2009CO	Chandler Blvd: Delaware St to Gilbert Rd	Install fiber-optic cable traffic signal interconnection	3	CH-2-E	ATMS03		1	\$450,000	2.8	13,579	12,357	34,599	30	4	32.4
CHNFED-02	Chandler	2008	Chandler Boulevard, Delaware Street to Gilbert Road	Install fiber optic cable traffic signal interconnection	3	CH-2-E	ATMS03-04	Infrastructure	1	\$315,000	2.8	24,800	22,568	63,190	35	4	37.8
CHANDLER2014	Chandler	2014	Ray, Elliot, Dobson, connecting at Arizona back to TMC	Provide fiber communications to Traffic Signals in the project back to the TMC.	3	CH-2-E	ATMS03	Infrastructure	1	\$801,500	9	42,000	38,220	343,980	28		30.0
CHNFED07-03	Chandler_CH-1	2011	Arizona Ave - Pecos to Ocotillo Rd; Chandler Heights Rd to Riggs Rd	Install fiber optic traffic signal interconnect	3	CH-2-E	ATMS03-04	Infrastructure	1	\$344,050	4	25,700	23,387	93,548	23.3	4	25.2
CHNFED07-05	Chandler_CH-3	2011	Ray Rd - 54th St to L101	Install fiber optic traffic signal interconnect	3	CH-2-E	ATMS03	Infrastructure	1	\$297,640	4.5	31,700	28,847	129,812	23.3	4	25.2
CHNFED07-06	Chandler_CH-4	2011	Transit Signal Priority Pilot Study	Pilot study to investigate and operate a transit signal priority system along Arizona Ave	4	CH-2-P	ALL	Planning	1	\$758,170	5	35,600	32,396	161,980	23.3	4	25.2
CHNFED07-07	Chandler_CH-5	2011	CCTV Camera Installation	Install Closed-Circuit TV camera at L202 (Santan Fwy) interchange locations	5	CH-3-E	ATMS01	Equipment	1	\$92,800	4.5	16,700	15,197	68,387	23.3	4	25.2
Chandler	NEW	2008CO	Various Locations	Purchase of Autoscope video detection cameras to be placed in various signalized intersections around the City.	5	CH-3-E	ATMS01	Equipment	1	\$518,650	102	27,765	25,266	2,577,147	35	4	37.8
CHN10-613	Chandler	2009CO	Buffalo Street to Colorado Street	Upgrade, retrofit and integrate TMC equipment	6	CH-4-E	ATMS01-05	Equipment	1	\$1,000,000	114	16,251	14,788	1,685,879	23		25.0
EI Mirage2014	EI Mirage	2014	Within City Limits	Various arterial traffic signal enhancements to improve existing signalized intersections for computerized signal control, closed circuit video, improved pedestrian control, improved signage and signal preemption.	7	EM-3-E	ATMS01, ATMS03	Equipment	1	\$415,660	16	30,981	28,193	451,085	25		27.0
Fountain Hills2014	Fountain Hills	2014	Shea Blvd. and Downtown Area	Provide an Initial Deployment ITS system for the traffic signals on Shea Blvd. and in the Downtown Area; with monitoring/control sites at Town Hall and the Street Yard.	8	FH-1-E	ATMS03	Equipment	1	\$1,000,000	7	14,508	13,202	92,416	30	4	32.4
GLB13-905	Gilbert	2009	Guadalupe Rd, Higley Rd, and Williams Field Rd	Gilbert ATMS Fiber East Ring Project - Phase I (Design/Build), Design for a Fiber ring to connect to existing fiber to link out-lying traffic signals to the Gilbert Traffic Operations Center via fiber connection	9	GI-1-I	ALL	Infrastructure	1	\$147,000	6.5	21,396	19,470	126,557	22.1	3	25.6
GLB13-906	Gilbert	2009	Higley Rd, Recker Rd, Guadalupe Rd, Elliot Rd, Warner Rd, Ray Rd, Williams Field Rd	Gilbert ATMS Fiber East Ring project - Phase II (Design/Build), Design for Fiber branch connections to link traffic signals to the future East Fiber Ring (Phase 1)	9	GI-1-I	ALL	Infrastructure	1	\$147,000	9.5	12,770	11,621	110,397	22.1	3	25.6
Gilbert2014	Gilbert	2014	Seven intersections near Baseline Road & Val Vista Drive	The project enables the traffic control center to respond to traffic congestion at 7 intersections remotely and make real-time improvements.	10	GI-3-E	ATMS03	Equipment	1	\$317,122	3	36,009	32,768	98,305	30	4	32.4
GLB13-904	Gilbert	2013	Pecos Rd.-Greenfield to Power Rd, Power Rd-Pecos to Queen Creek Rd, Germann Rd-Power to Sossaman Rd	The proposed project will install approximately five miles of fiber optic cable and associated communications hardware to complete a high-bandwidth, non-leased interconnection between the Traffic Operations Centers in the Towns of Gilbert and Queen Creek.	11	GI-4-E	ATMS07-1	Infrastructure	1	\$137,690	7	28,000	25,480	178,360	30.7	3	35.6
GLN13-901	Glendale	2013	59th Ave between Northern and Bethany Home: Glendale Ave. between 51st Ave. and 67th Ave; Peoria Ave. between 47th Ave. and 67th Ave.	Variable message signs; ITS Conduit and Fiber	12	GL-2-E	ATMS06-08	Infrastructure	1	\$998,857	7	35,500	32,305	226,135	30.7	3	35.6
Glendale2014	Glendale	2014	67th Avenue between Glendale Ave and Cholla Street, near the intersection of 83rd Ave/Maryland	Expand the city's remote traffic monitoring and management capabilities along with providing redundancies to the communications system.	13	GL-2-E	ATMS01, ATMS03	Equipment	1	\$987,000	3.5	27,000	24,570	85,995	30		35.0
GLN13-903	Glendale	2009	Olive Avenue, 67th Ave to 59th Ave	ITS Fiber and 1 CCTV camera	13	GL-2-E	ATMS01, ATMS03	Equipment	1	\$372,149	1	34,125	31,054	31,054	22.1	3	25.6
GLNFED07-02	Glendale_GL-1	2011	Glendale Sports Facilities	Purchase and install dynamic message signs	13	GL-2-E	ATMS01-08	Equipment	1	\$1,233,511	3	32,000	29,120	87,360	15		16.8
GLNFED-03	Glendale	2012	Various Locations	Establish Fiber Optic Link With Nearby Arterial Streets in the Vicinity of US 60	14	GL-3-E	ATMS01, ATMS03	Infrastructure	1	\$774,594	2	46,600	42,406	84,812	36	3	41.8
GLNFED-02	Glendale	2008	Various Locations	Install CCTV Cameras	14	GL-3-E	ATMS01-07	Equipment	1	\$224,592	3	37,800	34,398	103,194	35		35.4
GLENDALE2009-1	Glendale	2009CO	Glendale TMC	Develop an ITS Strategic Plan document in line with regional ITS planning efforts	15	GL-4-P	ALL	Planning	1	\$300,000	47	29,389	26,744	1,256,983	32.4	4	35.0
GLENDALE2009-2	Glendale	2009CO	Glendale TMC	Purchase a replacement traffic signal system to allow for remote control of the City's signalized intersections	15	GL-4-E	ATMS03		1	\$96,000	37	29,587	26,924	996,195	30	4	32.4
GLENDALE2009-3	Glendale	2009COITS	Glendale TMC	Purchase replacement video wall and control equipment	15	GL-4-E	ATMS01, ATMS03, ATMS06, ATMS07, ATMS08	Equipment	1	\$500,000			0	0			XXXXX
GDYFED07-03	Goodyear_GO-1	2011	Citywide	Implement traffic signal system, install miscellaneous ITS equipment (e.g., CCTV cameras, DMS, etc.	16	GY-1-E	ATMS03-07	Equipment	1	\$2,140,000	141	5,200	4,732	667,212	23.3	1	29.1
GDY13-902	Goodyear	2009	Various Locations	Purchase Dynamic Message Signs	17	GY-1-E	ATMS06	Equipment	1	\$200,000	4.75	31,000	28,210	133,998	22.1	4	23.9
GDYFED-01	Goodyear	2012	McDowell Road, Sarival Road to Litchfield Road	Design and Construct Fiber Optic Interconnection for Traffic Signals and Video	18	GY-1-I	ATMS01-08	Infrastructure	1	\$591,045	3	35,000	31,850	95,550	40	1	50.0
GDY13-901	Goodyear	2013	Citywide	Design and construction of fiber optic interconnect in existing conduit for traffic management through video surveillance and data collection	18	GY-1-I	ATMS01-08	Infrastructure	1	\$891,256	15	31,000	28,210	423,150	30.7	6	33.0

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Goodyear2014	Goodyear	2014	Van Buren Street - Estrella Parkway to Cotton Lane	This project will provide traffic signal connectivity to three existing and one future traffic signal. In addition, CCTV cameras will be provided at key intersections.	19	GY-2-E	ATMS01, ATMS03	Equipment	1	\$812,000	2	13,600	12,376	24,752	30		37.2
MARICOPA COUNTY2009-4	Maricopa County	2009	Southwest Valley, 99th Ave to Citrus, Indian School Rd south to MC85	Implement an Arterial Motorist Assistance service as a pilot program for three years. This arterial program would be similar to the Freeway Service Patrol, and provide assistance such as fixing flat tires, moving disabled vehicles out of travel lanes, requesting tow services, or supporting police or REACT with arterial incident management. This pilot program would initially be focused on the Southwest Valley area, in the vicinity of the I-10 reconstruction, and would cover key east-west arterials (Indian School, Thomas, McDowell, Van Buren, Buckeye and MC 85), as well as north/south arterials, particularly near freeway interchanges. This pilot program is envisioned to be a roving patrol during peak travel, but also be dispatched as needed to support public safety or REACT. Costs shown are to cover a three-year pilot project.	20	MC-1-E	EM01-7		1	\$245,000	10	19,000	17,290	172,900	22.1	5	24.8
MMAFED-03	Maricopa County	2009	Glendale, Peoria and Scottsdale City Limits	Establish REACT Arterial Incident Response Teams in Glendale and Peoria	20	MC-1-E	EM01-7	Other	3	\$867,200	321	20,497	18,652	5,987,379	35		35.4
MMAFED-06	Maricopa County	2010	99th Avenue, Olive Avenue to Bell Road	Install Conduit and Fiber Optic Cable to Connect Existing and Planned ITS Field Devices	21	MC-2-E	ATMS01-02	Infrastructure	1	\$805,000	5.2	12,500	11,375	59,150	50	2	58.8
MMAFED-02	Maricopa County	2012	Olive Avenue, Litchfield Road to the Agua Fria Freeway (101L)	Construct and Install New Conduit and New Fiber Optic Cable to Connect Existing Various Locations	21	MC-2-E	ATMS01-02, ATMS03-01, ATMS06-02	Infrastructure	1	\$885,500	5.9	20,000	18,200	107,380	50	5	56.0
Maricopa County2014-2	Maricopa County	2014	Various locations along MC85 from Agua Fria Bridge West Terminal to 75th Ave	To extend traffic management capabilities along MC 85, thus improving traffic flow and overall roadway capacity, and reducing reliance on private sector leased lines for required communication links.	21	MC-2-E	ATMS01, ATMS03	Equipment	1	\$847,000	5.5	25,700	23,387	128,629	30	4	32.4
MMA13-903	Maricopa County	2013	Sun Valley Parkway, I-10 to Bell Rd Connection	Implement a wireless communications system and CCTV on Sun Valley Parkway. Traffic signals will already be in place, and the wireless communications will provide interconnect and coordination capability.	21	MC-2-E	ATMS01-02	Equipment	1	\$490,000	20	3,000	2,730	54,600	30.7	6	33.0
MMAFED-05	Maricopa County	2008	Sun City West	Construct and Install New Pull Boxes, Branch Conduits, New Backbone and Branch	21	MC-2-E	ATMS01, ATMS03, ATMS06	Infrastructure	1	\$355,600	4.5	16,000	14,560	65,520	35	5	39.2
MMA13-904	Maricopa County	2013	DMS installations in the EB and WB direction at each of the following intersections: McDowell Rd and Avondale Blvd, McDowell Rd and Estrella Pkwy, MC85 and Avondale Blvd, MC85 and Estrella Pkwy	Install arterial DMS and associated conduit, pull boxes, fiber optic cable, communication equipment and electrical service equipment	22	MC-3-E	ATMS01, ATMS03, ATMS06	Infrastructure	1	\$700,000	12	63,000	57,330	687,960	30.7	3	35.6
MMAFED07-02	MaricopaCounty_M	2011	Bell Rd, L303 to 75th Ave	Construction of dynamic message sign structures, fiber, and conduit	22	MC-3-E	ATMS06-02	Infrastructure	1	\$546,000	11.5	72,340	65,829	757,038	10		10.1
MARICOPA COUNTY2009-1	Maricopa County	2009COITS	CCTV Camera Deployment - 11 Locations	Installation of 11 CCTV cameras at existing MCDOT signals to increase traffic surveillance coverage of key MCDOT arterial corridors	23	MC-3-E	ATMS01, ATMS03		1	\$225,000			0	0			XXXXX
MMAFED07-03	MaricopaCounty_M	2011	Various locations	Signal modernization and installation of CCTV at five signalized intersections	23	MC-3-E	ATMS01-02	Equipment	1	\$350,000	3.5	13,000	11,830	41,405	23.3	4	25.2
MMAFED-04	Maricopa County	2012	Valley Wide	Upgrade Regional Archived Server (RADS) Equipment to Facilitate Arterial Data Integration and Dissemination.	24	MC-4-E	AD1-2, AD2-1, ATMS07-1, ATMS07-2	Other	2	\$68,250	2532	20,148	18,335	46,423,410	35		35.4
MMA13-902	Maricopa County	2013	Regionwide this project will enhance traveler information on key arterials throughout the region	Develop and implement arterial ATIS Enhancements, building on the previous Phase I efforts 511 enhancements, and other key projects.	24	MC-4-E	AD1-2	Other	2	\$350,000	20	38,000	34,580	691,600	30.7	3	35.6
MMAFED-01	Maricopa County	2008	Valley Wide	System Enhancements to Expand Arterial Traveler Information Systems, Including 511 and az511.com	24	MC-4-E	AD2	Other	2	\$385,000	2024	20,148	18,335	37,109,392	35		35.4
Maricopa County2014-1	Maricopa County	2014	Associated with AZTech Center-to-Center traffic management system located primarily at ADOT and MCDOT	Upgrade the Regional Archive Data Center Equipment and Systems to enhance archiving capacity and the utility of real time traffic data.	25	MC-4-E	ATIS01-1, ATIS01-4	Equipment	2	\$136,500	700	15,000	13,650	9,555,000	30		35.0
MARICOPA COUNTY2009-3	Maricopa County	2009	Regionwide	Procure technical support services that will be integrally involved in integrating, expanding, and maintaining regional connectivity throughout the metropolitan region. Specifically, this contracted support would focus on near-term Regional Community Network implementation and expansion, and is also envisioned to support center-to-center connectivity among transportation and public safety agencies. This contracted technical support would work closely with state, county, transit operations and local traffic management agencies, as well as state and local public safety dispatch centers. Key functions will benefit from this technical support, including traffic management, signal operations, traveler information, incident management, and inter-agency coordination for work zones and planned special events. This contracted support would be based out of the MCDOT ITS Group and report to the MCDOT ITS Supervisor.	26	MC-4-I	ALL		2	\$210,000	20	25,000	22,750	455,000	22.1	3	25.6
MMA13-901	Maricopa County	2013	Southwest Valley, 99th Ave to Cotton Ln to include McDowell Rd, Van Buren St, MC85/Buckeye	Develop a multi-agency Operations Plan that will support coordinated arterial operations, freeway/arterial coordination, incident management and traveler information. This Operations Plan will include agency roles and responsibility, equipment operation	27	MC-4-P	ALL	Planning	2	\$35,000	10	24,000	21,840	218,400	30.7	5	34.4
MARICOPA COUNTY2009-2	Maricopa County	2009COITS	MCDOT Traffic Management Center Video Wall Replacement	Replacement of the MCDOT TMC video wall including design, equipment, installation, support structure, and support costs	27	MC-4-I	ATMS01, ATMS03, ATMS06, ATMS07, ATMS08	Equipment	1	\$220,000			0	0			XXXXX
Mesa	MES08-807	2008CO	ITS Signal Conversions - Phase 3 (Mesa Dr. and Main Street)	Expand fiber-optic network and link 11 traffic signals to the Mesa TMC	28	ME-2-E	ATMS03	Infrastructure	1	\$2,555,000	3.5	35,800	32,578	114,023	30	2	35.3
MES08-807	Mesa	2009CO	ITS Signal Conversions - Phase 3 (Mesa Dr & Main St)	Expand fiber-optic network and link 11 traffic signals to the Mesa TMC	28	ME-2-E	ATMS03	Infrastructure	1	\$2,220,000	3.5	35,800	32,578	114,023	30	2	35.3
MESFED-05	Mesa	2008	Mesa Drive and Main Street	Expand Fiber Optic Network and Link 11 Traffic Signals to the Mesa TMC	28	ME-2-E	ATMS03-08	Infrastructure	1	\$1,000,000	3.5	35,800	32,578	114,023	30	2	35.3

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MESFED-01	Mesa	2009	Along Baseline Road, Southern Avenue, Dobson Road and Alma School Road	Establish Fiber Optic Link with Nearby Arterial Streets in Vicinity of US 60	28	ME-2-E	ATMS03-08	Infrastructure	1	\$1,000,000	12.5	43,000	39,130	489,125	30	5	33.6
MESFED-06	Mesa	2009	Along Sections of Broadway Road, Dobson Road, Alma School Road and Baseline Road	Establish Fiber Optic Link on Broadway Road and Connection to West ITS Loop.	28	ME-2-E	ATMS03-08	Infrastructure	1	\$1,000,000	4	38,000	34,580	138,320	30	5	33.6
MESFED-04	Mesa	2010	University Drive, Dobson Road to Country Club Drive; University Drive, Mesa Drive to Higley Road	Improvements to Existing Fiber Optic Communications Systems and Install Communications Network and ITS Devices	28	ME-2-E	ATMS01, ATMS03, ATMS06	Infrastructure	1	\$1,000,000	7	38,000	34,580	242,060	35	5	39.2
MESFED-03	Mesa	2012	Guadalupe Rd, 101L to Extension; Dobson Rd, Lindner to Pampa; Alma School Rd, Median to Guadalupe	Improvements to Existing Fiber Optic Communications Systems and Install Communications Network and ITS Devices	28	ME-2-E	ATMS01, ATMS03, ATMS06	Infrastructure	1	\$1,000,000	4.5	30,000	27,300	122,850	38	5	42.6
MESFED07-03	Mesa_ME-1	2011	Country Club Dr - McKellips Rd to Baseline Rd; Brown Rd - Country Club Dr to Date; 8th Street - Country Club Dr to Alma School Rd; University Dr - Country Club Dr to Center St	Install fiber optic communications and provide traffic signal controller upgrades	28	ME-2-E	ATMS03-08?	Infrastructure	1	\$1,500,000	6.5	39,340	35,799	232,696	23.3	4	25.2
MES04-125C	Mesa	2009CO	Country Club Dr: 8th Ave to Baseline Rd (Including US-60 TT)	Install real-time adaptive signal system	28	ME-2-E	ATMS03-08	Equipment	1	\$1,370,000	1.5	50,433	45,894	68,841	30	2	35.3
MES13-906	Mesa	2013	Ten intersections with highest crash rates within City of Mesa. This project has city-wide potential.	This project will implement video and acoustic sensors in the field to automatically detect and alert traffic operations staff of suspected crash or traffic impeding events. The communications will be facilitated using existing traffic controller cabinets	29	ME-3-E	ATMS01-09	Equipment	1	\$420,000	40	56,000	50,960	2,038,400	30.7	5	34.4
MES09-607	Mesa	2009CO	Various Locations	Upgrade TMC equipment and purchase central components, field cameras and VMS	30	ME-3-E	AD1-4	Equipment	1	\$566,550	171	20,154	18,340	3,136,164	23	2	27.0
MES13-902	Mesa	2013	West side mid-city (initial deployment), West city limits to Country Club, University to Broadway-but project has city-wide potential	Upgrade central traffic control system software to accommodate a lite version of adaptive control	31	ME-4-E	AD1-4	Equipment	1	\$350,000	12	30,000	27,300	327,600	30.7	5	34.4
MAG-08	MAG	2008		Traffic Signal Optimization Program	32	MG-1-P	ALL		1	\$300,000	30	20,000	18,200	546,000	35	4	37.8
MAG-09	MAG	2009		Traffic Signal Optimization Program	33	MG-1-P	ALL		1	\$500,000	50	20,000	18,200	910,000	35	4	37.8
Peoria2014	Peoria	2014	Four Corridors: Peoria Ave, Northern Ave, Olive Ave and 75th Ave, located in the southern most area of City of Peoria	To upgrade the existing cabinets, traffic controllers and also upgrade the existing loop detection to video detection on selected corridors to improve the overall communication within the City's Network and also upgrade the hardware and software with the changing technologies in ITS.	34	PE-1-E	ATMS01, ATMS03	Equipment	1	\$700,000	15	30,000	27,300	409,500	23		31.0
PEOFED07-02	Peoria_PE-1	2011	Various corridors	Install fiber optic cable, conduit, and CCTV cameras	34	PE-1-E	ATMS01, ATMS03	Equipment	1	\$1,000,000	5.5	22,975	20,907	114,990	23.3	4	25.2
PEO13-904	Peoria	2009	Within City of Peoria, connecting existing traffic signals to central system	Existing traffic signals within the city of Peoria will be connected to the fiber backbone, and back to central with either fiber or wireless. This connection will allow the city to manage the signals in a manner to reduce congestion, delay, and improve	34	PE-1-E	ATMS01, ATMS03	Infrastructure	1	\$525,000	17	20,750	18,883	321,003	22.1	4	23.9
PEO13-903	Peoria	2013	Beardsley Rd between 83rd Ave and Existing Fiber at 95th Ave and Lake Pleasant Parkway	Installation of Conduit, pull boxes, fiber, and CCTV cameras to connect signals to Central, and monitor traffic and provide real time traffic management on this segment of Beardsley Rd	35	PE-2-E	ATMS01, ATMS03	Infrastructure	1	\$700,000	1.6	16,600	15,106	24,170	30.7	6	33.0
PEO13-901	Peoria	2013	83rd Ave beginning at Lone Cactus Dr and continuing north to Jomax Rd	Installation of Conduit, pull boxes, fiber, and CCTV cameras to connect signals to Central, and monitor traffic and provide real time traffic management on this segment of 83rd Ave	35	PE-2-E	ATMS01-10	Infrastructure	1	\$700,000	3.7	15,500	14,105	52,189	30.7	6	33.0
Phoenix 2014-2	Phoenix	2014	Within Phoenix	To extend Phase B Fiber Optic Backbone.8	36	PX-1-E	ATMS03-02	Infrastructure	1	\$818,000	770	28,000	25,480	19,619,600	30		35.0
PHXFED07-03	Phoenix_PH-1	2011	Citywide following the route of the Phoenix Regional ITS Fiber Optic Backbone	Construct Phoenix Regional ITS Telecommunications Expansion	36	PX-1-I	ATMS03-02	Infrastructure	1	\$7,854,600	55	30,000	27,300	1,501,500	23.3	3	27.0
Phoenix 2014-1	Phoenix	2014	Within Phoenix	Develop the City of Phoenix ITS Strategic Plan.	36	PX-1-P	ALL	Planning	1	\$182,000	770	28,000	25,480	19,619,600	30		35.0
QNCFED-02	Queen Creek	2012	Ellsworth Road, 2.5 miles South of Ellsworth Loop to Empire Blvd/Hunt Hwy	Construct Traffic Signal/CCTV System	37	QC-2-E	ATMS01-14, ATMS03-13	Equipment	1	\$255,200	2.5	14,000	12,740	31,850	40	3	46.4
QNCFED-01	Queen Creek	2009	Rittenhouse Road, 1.5 miles East of Sossaman Rd to 1/2 mile West of Ellsworth Rd	Construct Traffic Signal/CCTV System	37	QC-2-E	ATMS01-14, ATMS03-13	Equipment	1	\$172,700	1.6	8,400	7,644	12,230	40	3	46.4
QNC13-902	Queen Creek	2013	Various Locations Town-wide	Ten wireless traffic signal connections	38	QC-3-E	ATMS03-13	Infrastructure	1	\$105,000	10	31,000	28,210	282,100	30.7	3	35.6
QNCFED07-01	Queen Creek_QC-1	2011	Town limits	Implementation of ITS software, hardware and 2 traffic signals	38	QC-3-E	ATMS01-14, ATMS03-13	Infrastructure	1	\$386,200	2	20,000	18,200	36,400	23.3	1	29.1
QNCFED07-02	Queen Creek_QC-2	2011	Town limits	Purchase and installation of 1 mile of conduit and fiber optic cable and 2.25 traffic signals	38	QC-3-E	ATMS01-14, ATMS03-13	Infrastructure	1	\$361,900	2.5	20,000	18,200	45,500	23.3	1	29.1
QNCFED07-03	Queen Creek_QC-3	2011	Town limits	Purchase and installation of 1 mile of conduit and fiber optic cable and 2.25 traffic signals	38	QC-3-E	ATMS01-14, ATMS03-13	Infrastructure	1	\$361,900	2.5	20,000	18,200	45,500	23.3	1	29.1
QNCFED-03	Queen Creek	2008	Queen Creek Town Center	Construct ITS Infrastructure and Traffic Management System	39	QC-4-I	ATMS01-14, ATMS03-13	Infrastructure	1	\$563,600	2.7	14,000	12,740	34,398	40	3	46.4
QNC08-803	Queen Creek	2009CO	Queen Creek Town Center	Construct ITS Infrastructure and Traffic Management System	39	QC-4-I	ATMS01-14, ATMS03-13	Infrastructure	1	\$750,221	2.7	14,000	12,740	34,398	30.7	3	35.6
SCT13-902	Scottsdale	2013	Various locations	Last mile connections from City Fiber Network.	40	SC-1-E	ATMS03-10	Infrastructure	1	\$350,000	30	50,000	45,500	1,365,000	30.7	3	35.6
SCTFED-06	Scottsdale	2012	Shea Blvd to Carefree Highway, 56th Street to 136th Street	Install Dynamic Message Signs	41	SC-2-E	ATMS06-12	Equipment	1	\$250,000	16	59,300	53,963	863,408	35	4	37.8

Appendix A

Project#	Jurisdiction	FY	LOC	Work Type	Group	Affected Roadway/Corridor											
						Local Element	Market Package	MAG CMAQ Category	Project Type	Cost	Length**	ADT	AADT	VMT	Speed _{BEFORE}	Speed _{AFTER} Category	Speed _{AFTER}
SCTFED07-06	Scottsdale_SC-1	2011	Shea Blvd to Carefree Hwy and 56th St to 136th St	Install traffic cameras	42	SC-2-E	ATMS01	Equipment	1	\$338,000	33.9	34,300	31,213	1,058,121	23.3	5	26.1
SCTFED07-05	Scottsdale_SC-2	2011	Scottsdale Rd to Hayden Rd and Shea Blvd to McDowell Rd	Install software, detection equipment, and variable message signs	42	SC-2-E	ATMS01-11, ATMS03-10	Equipment	1	\$177,500	14.8	32,300	29,393	435,016	23.3	2	27.4
SCTFED-04	Scottsdale	2008	South Scottsdale	Replace Controllers and Cabinets	43	SC-3-E	ATMS03-10	Equipment	1	\$750,000	82	19,520	17,763	1,456,582	35	4	37.8
SCT13-903	Scottsdale	2009	South Scottsdale	Controller and cabinet replacement	43	SC-3-E	ATMS03-10	Equipment	1	\$525,000	82	19,250	17,518	1,436,435	22.1	4	23.9
SCTFED-05	Scottsdale	2009	South Scottsdale	Replace Controllers and Cabinets	43	SC-3-E	ATMS03-10	Equipment	1	\$750,000	82	19,520	17,763	1,456,582	35	4	37.8
SCTFED-07	Scottsdale	2010	South Scottsdale	Replace Controllers and Cabinets	43	SC-3-E	ATMS03-10	Equipment	1	\$750,000	82	19,520	17,763	1,456,582	35	4	37.8
SCT12-813	Scottsdale	2009CO	Citywide	Acquisition of ITS signal controllers and cabinets	43	SC-3-E	ATMS03	Equipment	1	\$467,452	30	35,612	32,407	972,208	30.7	3	35.6
Scottsdale2014	Scottsdale	2014	Loop 101 at three intersections, Hayden Road, the 101 Freeway interchange at Pima Rd and 90th Street	1. To identify traffic adaptive signal systems that have been deployed and returned successful outcomes in reducing traffic delay on stated corridors across the country. 2. Deploy the selected system on FLW and complete before and after delay studies. 3. Evaluate if the Adaptive System can minimize delay as well, or better than real-time control of the area signals through the Traffic Management Center and human intervention.	43	SC-3-P	ALL	Planning	1	\$39,375	1	41,000	37,310	37,310	18		25.0
SUR13-902	Surprise	2013	Various Locations	Installation and integration of ITS Count Stations and DMS's on existing ITS corridors or bridged to adjacent existing corridors	44	SU-1-E	ATMS01, ATMS06, AD1	Equipment	1	\$500,000	10	60,000	54,600	546,000	30.7	2	36.1
SURFED-02	Surprise	2012	Bell Road, Loop 303 to Jack Rabbit Trail (195th Avenue)	Design and Connect Traffic Signals, CCTV Cameras and Changeable Message Signs	45	SU-2-E	ATMS01-12	Equipment	1	\$1,200,000	4	30,000	27,300	109,200	35	1	43.8
SUR13-901	Surprise	2013	Cotton Lane from Peoria Ave to Bell Rd	Optical Fiber interconnect of signals, TV cameras, dynamic message signs, and connection to ITS Fibert Backbone	45	SU-2-E	ATMS01-12	Infrastructure	1	\$1,000,000	4	14,000	12,740	50,960	30.7	3	35.6
SUR13-903	Surprise	2013	Cotton Lane from Peoria Ave to Bell Rd	Optical Fiber interconnect of signals, TV cameras, dynamic message signs, and connection to ITS Fiber Backbone	45	SU-2-E	ATMS01-12	Infrastructure	1	\$1,000,000	4	14,000	12,740	50,960	30.7	3	35.6
SUR10-614	Surprise	2009CO	Greenway Rd: US 60 (Grand Ave) to Cotton Lane	Construct fiber optic interconnection of traffic	45	SU-2-E	ATMS01-12, ATMS03-11, ATMS06-13	Infrastructure	1	\$1,000,000	6	20,000	18,200	109,200	23		29.0
SURFED07-01	Surprise_SU-1	2011	Peoria Ave - Litchfield Rd to Jackrabbit Rd	Install fiber optic interconnect to include signals, TV cameras, dynamic message signs, and link to TMC	45	SU-2-I	ATMS01-12	Infrastructure	1	\$1,000,000	7	44,000	40,040	280,280	23.3	3	27.0
SURFED-03	Surprise	2008	Coyote Lakes & Bell; Dysart & Bell; 134th Avenue & Bell (Bell Road Phase 1 Fiber addition)	Equipment (CCTV cameras) and installation	46	SU-3-E	ATMS01-12	Equipment	1	\$20,000	2.5	65,000	59,150	147,875	45	2	52.9
Surprise	SUR08-806	2008CO	Bell Road and Coyote Lake, Dysart and 134th Ave	Provide and install CCTV Cameras on existing traffic signals	46	SU-3-E	ATMS01-12	Equipment	1	\$28,000	2.5	65,000	59,150	147,875	45	2	52.9
TMPFED-02	Tempe	2009	Citywide	Install Video Detection System	47	TE-1-E	ATMS01-13	Equipment	1	\$758,330	90	30,000	27,300	2,457,000	35	4	37.8
TMPFED07-04	Tempe_TE-4	2011	Citywide	Install wireless communications and CCTV monitoring at 26 intersections	47	TE-1-E	ATMS01-13	Equipment	1	\$579,420	88	27,000	24,570	2,162,160	23.3	4	25.2
Tempe	TMP11-703	2008CO	Various Locations	Install wireless communications and CCTV monitoring at 26 intersections	47	TE-1-E	ATMS01-13	Equipment	1	\$218,400	88	27,000	24,570	2,162,160	23.3	4	25.2
TMP12-804	Tempe	2009CO	Citywide	Design and Construct fiber-optic cable installations	47	TE-1-I	ATMS01-12	Infrastructure	1	\$361,171	90	30,000	27,300	2,457,000	30	4	32.4
TMPFED-04	Tempe	2008	Citywide	Purchase and Install Malfunction Management Units In All Traffic Control Cabinets	48	TE-1-E	ATMS03-12	Equipment	1	\$758,330	90	30,000	27,300	2,457,000	35	4	37.8
TMP13-902	Tempe	2013	City Wide	Procure and install traffic control cabinets and hardware-Phase 1 of 3	48	TE-1-E	ATMS03-12	Equipment	1	\$539,000	25	35,000	31,850	796,250	30.7	4	33.2
Tempe	TMP09-802	2008CO	Citywide	Purchase and Install Malfunction Management Units In All Traffic Control Cabinets	48	TE-1-E	ATMS03-12	Equipment	1	\$135,950	90	30,000	27,300	2,457,000	35	4	37.8
TMPFED-01	Tempe	2010	Citywide	Design and Construct Fiber Optic Cable Installations	48	TE-1-I	ATMS03-12	Infrastructure	1	\$758,330	90	30,000	27,300	2,457,000	35	4	37.8
TMP13-903	Temp	2009	Citywide	Develop ITS and Communications Strategic Plan	48	TE-1-P	ALL	Planning	1	\$115,500	75	35,000	31,850	2,388,750	22.1	4	23.9
TMPFED07-01	Tempe_TE-1	2011	Citywide	Install fiber optic connection between ADOT FMS backbone and traffic signal control cabinet at 22 local freeway traffic interchanges	48	TE-1-I	ATMS03-12	Infrastructure	1	\$579,420	88	27,000	24,570	2,162,160	23.3	4	25.2
TMPFED-05	Tempe	2012	Along Light Rail Transit Corridor in Tempe	Install CCTV Monitoring Stations at Various Locations	49	TE-2-E	ATMS01-13	Equipment	1	\$325,832	6	48,000	43,680	262,080	35	4	37.8
TMP12-806	Tempe	2009CO	Light Rail Transit Corridor in Tempe	Install CCTV monitoring stations	49	TE-2-E	ATMS01-13	Equipment	1	\$425,099	6	48,000	43,680	262,080	32.4	4	35.0
Tempe2014	Tempe	2014	Corridors of Elliot/Guadalupe/Warner	This project proposes to use an existing conduit along Elliot for fiber optic communication to the signals. Wireless radios will be used to provide communication to signals along Guadalupe & Warner. CCTVs will be placed at the major intersections for traffic monitoring.	49	TE-2-E	ATMS01, ATMS03	Infrastructure	1	\$415,485	13	31,275	28,460	369,983	30		33.0

Notes:
 1. Under FY, CO = Closeout
 2. Under Speed_{AFTER} Category, category numbers are derived from Table 6 of the 2010 CMAQ Methodologies