Appendix J – List of Agreements for the Arizona Statewide ITS Architecture Update

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
ADOT and DPS Intergovernmental	Unspecified	Existing	This Agreement is to provide a framework and guidelines to promote coordinated decision making in planning, development, construction, maintenance and operations of a Freeway Management System (FMS) for the Tucson metro area, hereinafter referred to as the "Project" The FMS will be implemented in phases Phase I covers 1-10 (Ina Road to 6th Avenue) and B-19 (Valencia Road to Irvington Road) Phase I Tucson FMS will include the following elements:- Closed-circuit televisions (CCTV) monitoring system- Variable message sign (VMS) system- Communication system link between Tucson Control Center (TCC) and ADOT Maintenance Office on Grant Road; City of Tucson 911 Center and DPS Dispatch Center- City of Tucson Traffic Control Center (TCC) upgrade	ADOT	ADOT
ADOT and DPS Intergovernmental	Unspecified	Existing	This Agreement is to provide a framework and guidelines to promote coordinated decision making in planning, development, construction, maintenance and operations of a Freeway Management System (FMS) for the Tucson metro area, hereinafter referred to as the "Project" The FMS will be implemented in phases Phase I covers 1-10 (Ina Road to 6th Avenue) and B-19 (Valencia Road to Irvington Road) Phase I Tucson FMS will include the following elements:- Closed-circuit televisions (CCTV) monitoring system- Variable message sign (VMS) system- Communication system link between Tucson Control Center (TCC) and ADOT Maintenance Office on Grant Road; City of Tucson 911 Center and DPS Dispatch Center- City of Tucson Traffic Control Center (TCC) upgrade	ADOT	Arizona Department of Public Safety (DPS)
ADOT and Glendale 2006 - Shared use of FMS	Unspecified	Existing	FMS Agreement including CCTV, DMS, Ramp Meters, Vehicle detectors, node buildings, conduit, pull boxes and other FMS.	ADOT	ADOT

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ADOT and Glendale 2006 - Shared use of FMS	Unspecified	Existing	FMS Agreement including CCTV, DMS, Ramp Meters, Vehicle detectors, node buildings, conduit, pull boxes and other FMS.	ADOT	Federal Highway Administration (FHWA)
ADOT and Glendale 2010	Unspecified	Existing	Intergovernmental Agreement C-7401 between the State of Arizona and City of Glendale dated 9/14/2010. This agreement passes $150,000 of federal CMAQ funds to the City and designates it for design of a conduit and fiber system on Greenway Road, Thunderbird Road and Cactus Road. Also provides for design, installation, conduit, fiber optic cabling and CCTV to expand ITS.	ADOT	ADOT
ADOT and Glendale 2010	Unspecified	Existing	Intergovernmental Agreement C-7401 between the State of Arizona and City of Glendale dated 9/14/2010. This agreement passes $150,000 of federal CMAQ funds to the City and designates it for design of a conduit and fiber system on Greenway Road, Thunderbird Road and Cactus Road. Also provides for design, installation, conduit, fiber optic cabling and CCTV to expand ITS.	ADOT	Federal Highway Administration (FHWA)
ADOT and McDOT Master ITS Agreement	Unspecified	Existing	This master agreement allows MCDOT and ADOT to collaborate and leverage infrastructure and systems for regional operations to mutually develop ITS projects.	State of Arizona	ADOT
ADOT and McDOT Master ITS Agreement	Unspecified	Existing	This master agreement allows MCDOT and ADOT to collaborate and leverage infrastructure and systems for regional operations to mutually develop ITS projects.	State of Arizona	Maricopa County Department of Transportation (MCDOT)

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
ADOT/Mohave County LED Enhanced Speed Limit Signs	Unspecified	Existing	The improvements proposed in this Agreement, hereinafter referred to as the "Project," includeconducting a study to develop safety performance functions and crash modification factors for traffic speed management zones using R2-1 speed limit signs equipped with speed-actuated intelligent warning systems by establishing test and controlled speed management zones, selection of then (10) traffic speed management zone locations, preparation of installation, design and specifications, obtaining required environmental clearances, and performing a comparison of before and after studies of collected safety data and submittal of the results to FHWA for inclusion in the "Crash Modification Factor Clearinghouse". . Up to twenty (20) solar LED enhanced driver feedback speed limit signs will be installed on rural and arterial collector roadways to support an "after" study of collected safety data. The State will administer design, advertise, bid, award and administer the construction of the Project.	ADOT	ADOT

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ADOT/Mohave County LED Enhanced Speed Limit Signs	Unspecified	Existing	The improvements proposed in this Agreement, hereinafter referred to as the "Project," includeconducting a study to develop safety performance functions and crash modification factors for traffic speed management zones using R2-1 speed limit signs equipped with speed-actuated intelligent warning systems by establishing test and controlled speed management zones, selection of then (10) traffic speed management zone locations, preparation of installation, design and specifications, obtaining required environmental clearances, and performing a comparison of before and after studies of collected safety data and submittal of the results to FHWA for inclusion in the "Crash Modification Factor Clearinghouse". . Up to twenty (20) solar LED enhanced driver feedback speed limit signs will be installed on rural and arterial collector roadways to support an "after" study of collected safety data. The State will administer design, advertise, bid, award and administer the construction of the Project.	ADOT	Arizona Counties
ADOT-MCDOT - CVISN WZ Notification Project	Unspecified	Existing	Commercial Vehicle Information Systems and Networks (CVISN) Work Zone Notification System Project. This will develop and demonstrate a work zone warning and alert system using connected vehicle technologies to provide in-vehicle information for commercial vehicle operators. Project also includes variable speed limits, queue warning, lane closure warning and vehicle-to-vehicle messages (electronic credentialing and enforcement).	State of Arizona	ADOT

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
ADOT-MCDOT - CVISN WZ Notification Project	Unspecified	Existing	Commercial Vehicle Information Systems and Networks (CVISN) Work Zone Notification System Project. This will develop and demonstrate a work zone warning and alert system using connected vehicle technologies to provide in-vehicle information for commercial vehicle operators. Project also includes variable speed limits, queue warning, lane closure warning and vehicle-to-vehicle messages (electronic credentialing and enforcement).	State of Arizona	Maricopa County Department of Transportation (MCDOT)
ADOT-MCDOT - Fiber for Three Project Locations	Unspecified	Existing	Allows MCDOT to install conduit, pull boxes and fiber optic cable to connect existing MCDOT equipment to the RCN via ADOT existing optic cable at 3 project locations.		ADOT
ADOT-MCDOT - Fiber for Three Project Locations	Unspecified	Existing	Allows MCDOT to install conduit, pull boxes and fiber optic cable to connect existing MCDOT equipment to the RCN via ADOT existing optic cable at 3 project locations.		Maricopa County Department of Transportation (MCDOT)
ADOT-MCDOT - Third party Probe Data and Analysis	Unspecified	Existing	Develop Scope for Acquiring Third Party Probe Data and Analysis Tools. Jointly develop a SOW that ADOT will advertise to establish a statewide, on-call procurement contract.	State of Arizona	ADOT
ADOT-MCDOT - Third party Probe Data and Analysis	Unspecified	Existing	Develop Scope for Acquiring Third Party Probe Data and Analysis Tools. Jointly develop a SOW that ADOT will advertise to establish a statewide, on-call procurement contract.	State of Arizona	Maricopa County Department of Transportation (MCDOT)
AZTech ATS Control at L101 to L303 West Valley	Unspecified	Existing	In association with AZTech, this federal project installs adaptive traffic signal control technology at 52 signalized intersections in four areas along Bell Road/Frank Lloyd Wright Boulevard, from the L101 in the east Valley to the L303 in the west Valley. Four State intersections are involved, but additional, related IGAs involve multiple cities across this corridor. MCDOT coordinates the local match from the cities involved with the Project.	State of Arizona	ADOT

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
AZTech ATS Control at L101 to L303 West Valley	Unspecified	Existing	In association with AZTech, this federal project installs adaptive traffic signal control technology at 52 signalized intersections in four areas along Bell Road/Frank Lloyd Wright Boulevard, from the L101 in the east Valley to the L303 in the west Valley. Four State intersections are involved, but additional, related IGAs involve multiple cities across this corridor. MCDOT coordinates the local match from the cities involved with the Project.	State of Arizona	AZTech
AZTech ATS Control at L101 to L303 West Valley	Unspecified	Existing	In association with AZTech, this federal project installs adaptive traffic signal control technology at 52 signalized intersections in four areas along Bell Road/Frank Lloyd Wright Boulevard, from the L101 in the east Valley to the L303 in the west Valley. Four State intersections are involved, but additional, related IGAs involve multiple cities across this corridor. MCDOT coordinates the local match from the cities involved with the Project.	State of Arizona	Maricopa County Department of Transportation (MCDOT)
AZTech RADS Agreement	Unspecified	Existing	This document serves to formalize the agreement of the AZTech™ stakeholders with the development and implementation of the Traffic Management System (TMS) and Dynamic Message Sign (DMS) components of the AZTech™ Center-to-Center (C2C) System.	ADOT	ADOT
AZTech RADS Agreement	Unspecified	Existing	This document serves to formalize the agreement of the AZTech™ stakeholders with the development and implementation of the Traffic Management System (TMS) and Dynamic Message Sign (DMS) components of the AZTech™ Center-to-Center (C2C) System.	ADOT	Arizona Department of Public Safety (DPS)
AZTech RADS Agreement	Unspecified	Existing	This document serves to formalize the agreement of the AZTech™ stakeholders with the development and implementation of the Traffic Management System (TMS) and Dynamic Message Sign (DMS) components of the AZTech™ Center-to-Center (C2C) System.	ADOT	AZTech

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
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AZTech RADS Agreement	Unspecified	Existing	This document serves to formalize the agreement of the AZTech™ stakeholders with the development and implementation of the Traffic Management System (TMS) and Dynamic Message Sign (DMS) components of the AZTech™ Center-to-Center (C2C) System.	ADOT	Maricopa Association of Governments (MAG)
AZTech RADS Agreement	Unspecified	Existing	This document serves to formalize the agreement of the AZTech™ stakeholders with the development and implementation of the Traffic Management System (TMS) and Dynamic Message Sign (DMS) components of the AZTech™ Center-to-Center (C2C) System.	ADOT	Maricopa County Department of Transportation (MCDOT)
AZTech Visioning Project	Unspecified	Existing	AzTech Visioning Workshop held September, 2017. MCDOT obtained a workshop location, facility services and keynote speaker to host Shelley Row, P.E. who discussed helping set the state for the next 20 years for AZTech, a regional traffic management partnership in the Phoenix metropolitan area, that guides the application of ITS technologies for managing regional traffic.		ADOT
AZTech Visioning Project	Unspecified	Existing	AzTech Visioning Workshop held September, 2017. MCDOT obtained a workshop location, facility services and keynote speaker to host Shelley Row, P.E. who discussed helping set the state for the next 20 years for AZTech, a regional traffic management partnership in the Phoenix metropolitan area, that guides the application of ITS technologies for managing regional traffic.		AZTech

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AZTech Visioning Project	Unspecified	Existing	AzTech Visioning Workshop held September, 2017. MCDOT obtained a workshop location, facility services and keynote speaker to host Shelley Row, P.E. who discussed helping set the state for the next 20 years for AZTech, a regional traffic management partnership in the Phoenix metropolitan area, that guides the application of ITS technologies for managing regional traffic.		Maricopa County Department of Transportation (MCDOT)
Gilbert Statewide Traffic Signal Coordination Program and Traffic Safety Evaluation	Unspecified	Existing	This project consists of completing a town wide signal analysis, plan and run the transportation model, and implement a system wide traffic signal coordination program.	ADOT	ADOT
Gilbert Statewide Traffic Signal Coordination Program and Traffic Safety Evaluation	Unspecified	Existing	This project consists of completing a town wide signal analysis, plan and run the transportation model, and implement a system wide traffic signal coordination program.	ADOT	Federal Highway Administration (FHWA)
Glendale - CCTV Camera Installations	Unspecified	Existing	This project consists of purchasing and installing CCTV cameras at various locations within city-wide functionally classified roadways.	ADOT	ADOT
Glendale - CCTV Camera Installations	Unspecified	Existing	This project consists of purchasing and installing CCTV cameras at various locations within city-wide functionally classified roadways.	ADOT	Federal Highway Administration (FHWA)
HCRS - ADOT and ADEM Interagency Agreement	Unspecified	Existing	Highway Closure and Road Restriction Subsystem Agreement	ADOT	ADOT
HCRS - ADOT and ADEM Interagency Agreement	Unspecified	Existing	Highway Closure and Road Restriction Subsystem Agreement	ADOT	Arizona Division of Emergency and Military Affairs (DEMA)
HCRS - ADOT and ADEM Interagency Agreement	Unspecified	Existing	Highway Closure and Road Restriction Subsystem Agreement	ADOT	Federal Highway Administration (FHWA)
Highway Closure and Road Restriction Subsystem (HCRS)	Unspecified	Existing	This project includes installing and implementing a Highway Closure and Road Restriction Subsystem (HCRS) which will provide real time data relating to construction locations, traffic maintenance activities, weather related road closures, roadway weather information and traffic accident information to the traveling public.	ADOT	ADOT

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
Highway Closure and Road Restriction Subsystem (HCRS)	Unspecified	Existing	This project includes installing and implementing a Highway Closure and Road Restriction Subsystem (HCRS) which will provide real time data relating to construction locations, traffic maintenance activities, weather related road closures, roadway weather information and traffic accident information to the traveling public.	ADOT	Bureau of Indian Affairs (BIA)
Highway Closure and Road Restriction Subsystem (HCRS)	Unspecified	Existing	This project includes installing and implementing a Highway Closure and Road Restriction Subsystem (HCRS) which will provide real time data relating to construction locations, traffic maintenance activities, weather related road closures, roadway weather information and traffic accident information to the traveling public.	ADOT	Federal Highway Administration (FHWA)
Highway Closure and Road Restriction Subsystem (HCRS)	Unspecified	Existing	This project includes installing and implementing a Highway Closure and Road Restriction Subsystem (HCRS) which will provide real time data relating to construction locations, traffic maintenance activities, weather related road closures, roadway weather information and traffic accident information to the traveling public.	ADOT	Tribal Governments - Statewide
IGA for research of Traffic and ITS studies	Unspecified	Existing	This IGA (Intergovernmental Agreement) is for research of traffic and ITS development studies. It will allow more flexibility between MCDOT and UofA by accommodating federal and grant-funded projects more easily. This was just executed.	Maricopa County Department of Transportation (MCDOT)	Arizona Universities
IGA for research of Traffic and ITS studies	Unspecified	Existing	This IGA (Intergovernmental Agreement) is for research of traffic and ITS development studies. It will allow more flexibility between MCDOT and UofA by accommodating federal and grant-funded projects more easily. This was just executed.	Maricopa County Department of Transportation (MCDOT)	Maricopa County Department of Transportation (MCDOT)

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
MCDOT and ASU Research and CV	Unspecified	Planned	This IGA will be similar to the one with UofA, as MCDOT is interested in working with ASU, including three schools of expertise helping to develop the next generation of transportation technology/studies involving: analysis of impact of technologies (data modeling) on transportation; building obstacle-avoiding products and researching how autonomous car and intersection interact; verification of connected autonomous vehicles - test bed versus real road. ASU (and UofA) are already partners on the Loop 101 Mobility Project.	Maricopa County Department of Transportation (MCDOT)	Arizona Universities
MCDOT and ASU Research and CV	Unspecified	Planned	This IGA will be similar to the one with UofA, as MCDOT is interested in working with ASU, including three schools of expertise helping to develop the next generation of transportation technology/studies involving: analysis of impact of technologies (data modeling) on transportation; building obstacle-avoiding products and researching how autonomous car and intersection interact; verification of connected autonomous vehicles - test bed versus real road. ASU (and UofA) are already partners on the Loop 101 Mobility Project.	Maricopa County Department of Transportation (MCDOT)	AZTech
MCDOT and ASU Research and CV	Unspecified	Planned	This IGA will be similar to the one with UofA, as MCDOT is interested in working with ASU, including three schools of expertise helping to develop the next generation of transportation technology/studies involving: analysis of impact of technologies (data modeling) on transportation; building obstacle-avoiding products and researching how autonomous car and intersection interact; verification of connected autonomous vehicles - test bed versus real road. ASU (and UofA) are already partners on the Loop 101 Mobility Project.	Maricopa County Department of Transportation (MCDOT)	Maricopa County Department of Transportation (MCDOT)

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
MCDOT and U of A Research and CV	Unspecified	Existing	This Agreement allows MCDOT to tap into UofA's transportation expertise to perform research-oriented traffic and ITS development studies. Research includes simulation and optimization models in specific applications, studying new transportation hardware and software systems. Related tasks include the MCDOT SMARTDrive Program and related Deployment Readiness of the Multi-Modal Intelligent Traffic Signal System (MMITSS) and investigation of future connected and automated vehicle systems; Investigation of Impact and Opportunities for Automated Driving Vehicles.	Maricopa County Department of Transportation (MCDOT)	ADOT
MCDOT and U of A Research and CV	Unspecified	Existing	This Agreement allows MCDOT to tap into UofA's transportation expertise to perform research-oriented traffic and ITS development studies. Research includes simulation and optimization models in specific applications, studying new transportation hardware and software systems. Related tasks include the MCDOT SMARTDrive Program and related Deployment Readiness of the Multi-Modal Intelligent Traffic Signal System (MMITSS) and investigation of future connected and automated vehicle systems; Investigation of Impact and Opportunities for Automated Driving Vehicles.	Maricopa County Department of Transportation (MCDOT)	Arizona Universities
MCDOT and U of A Research and CV	Unspecified	Existing	This Agreement allows MCDOT to tap into UofA's transportation expertise to perform research-oriented traffic and ITS development studies. Research includes simulation and optimization models in specific applications, studying new transportation hardware and software systems. Related tasks include the MCDOT SMARTDrive Program and related Deployment Readiness of the Multi-Modal Intelligent Traffic Signal System (MMITSS) and investigation of future connected and automated vehicle systems; Investigation of Impact and Opportunities for Automated Driving Vehicles.	Maricopa County Department of Transportation (MCDOT)	Maricopa County Department of Transportation (MCDOT)

Agreement Title	Agreement Type	Agreement Status	Description	Lead Stakeholder	Associated Stakeholders
Phase I Loop 101 Mobiity Project	Unspecified	Planned	Phase I, or the Initiation portion, of the Loop 101 Mobility Project. Signficant partnership involved, with MCDOT and ADOT being the co-lead to develop a deployment site for large scale installation and operation of advanced transportation technologies for improving safety, efficiency and system performance. This Phase involves coalition building, deloping the Systems Engineering Management Plan, developing the ICM Plan, Project Management Support and Reporting. Phase I sets the stage for the design and installation of various technologies: Decision Support Systems; Connected Vehicle Technology for transit, incident response vehicles and roadside deployment; Adaptive Ramp Meeting; Adaptive Traffice Signal Control; ICM Mobile Application Suite.	State of Arizona	ADOT
Phase I Loop 101 Mobiity Project	Unspecified	Planned	Phase I, or the Initiation portion, of the Loop 101 Mobility Project. Signficant partnership involved, with MCDOT and ADOT being the co-lead to develop a deployment site for large scale installation and operation of advanced transportation technologies for improving safety, efficiency and system performance. This Phase involves coalition building, deloping the Systems Engineering Management Plan, developing the ICM Plan, Project Management Support and Reporting. Phase I sets the stage for the design and installation of various technologies: Decision Support Systems; Connected Vehicle Technology for transit, incident response vehicles and roadside deployment; Adaptive Ramp Meeting; Adaptive Traffice Signal Control; ICM Mobile Application Suite.	State of Arizona	Maricopa County Department of Transportation (MCDOT)
Phoenix - ITS Equipment	Unspecified	Existing	City of Phoenix. July 30, 2009. ARRA. This project includes the design, procurement and installation of ITS equipment, specifically CCTV within existing right of way at signalized intersections within the City limits.	ADOT	ADOT

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Phoenix - ITS Equipment	Unspecified	Existing	City of Phoenix. July 30, 2009. ARRA. This project includes the design, procurement and installation of ITS equipment, specifically CCTV within existing right of way at signalized intersections within the City limits.	ADOT	Federal Highway Administration (FHWA)
Phoenix ITS Equipment II	Unspecified	Existing	This project includes the design, procurement and installation of ITS equipment to create a fiber optic communication backbone within existing right of way and within the existing conduit duct banks.	ADOT	ADOT
Phoenix ITS Equipment II	Unspecified	Existing	This project includes the design, procurement and installation of ITS equipment to create a fiber optic communication backbone within existing right of way and within the existing conduit duct banks.	ADOT	Federal Highway Administration (FHWA)