

FY 2014 TIP Project Applications Summary

Agencies	Project Name	Descriptions	Fed\$ Requested
1 Chandler	North Chandler Fiber Loop	Provide fiber optic communications from traffic signals in the project area back to the TMC. Improve the city's efficiency in responding to emergencies by providing communications from TMC to traffic signals.	\$801,500
2 El Mirage	Arterial ITS Enhancements	Phase I, various arterial traffic signal enhancements to upgrade the existing signalized intersections for computerized signal control, closed circuit video, improved pedestrian control, improved signage and better signal preemption. Future phases to provide planned interconnections of signals both locally and with adjoining agencies	\$415,660
3 Fountain Hills	ITS Initial Deployment	Provide an initial deployment of ITS for traffic signals on Shea Blvd and in the downtown area. Provide monitoring/control sites at Town Hall and the Street Yard.	\$1,000,000
4 Gilbert	Traffic signal improvement and coordination	This project installs 3-mile fiber optic communication lines in existing conduits; The project will also add new CCTV cameras, traffic signal video detection, and controllers near Baseline Rd. & Val Vista Dr. The project enables Traffic Management Center to respond to traffic congestion at 7 remote intersections in real-time. It also includes jurisdiction-wide signal timing operations improvements.	\$317,122
5 Glendale	Fiber conduit & CCTV at 67th Ave & node building	Connect seven intersections to the city's central signal system and install four CCTV cameras along 67th Avenue to allow for remote monitoring and management of traffic along the corridor. Additionally, connect the fiber communications infrastructure to existing fiber and add equipment to a public safety building so that redundant pathways between node buildings for city and RCN communications are created.	\$980,000
6 Goodyear	Van Buren St Fiber and Conduit	The goal of this project is to improve the City's ability to manage traffic on Van Buren Street. 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. In addition to being an important east-west corridor in the City of Goodyear, Van Buren Street has been identified as a key corridor in the I-10 Integrated Corridor Management System (ICMS). CCTV images and traffic signal timing plans from intersections along this corridor will be shared with ADOT to maximize east-west traffic mobility during incidents and freeway construction restrictions.	\$812,000
7 MCDOT #1	RADS upgrade	Upgrade the Regional Archive Data Center Equipment and Systems to enhance archiving capacity and the utility (performance monitoring, research, sharing, planning capabilities) of real time traffic data.	\$136,500
8 MCDOT #2	MC85 ITS	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. Implement ITS corridor improvements recommended in the MCDOT ITS Communications Plan; provide interconnection among area traffic signals; improve traffic monitoring and traffic signal control in the MCDOT and Avondale TMC's; expand AZTech regional traffic information database	\$847,000
9 Peoria	ITS Corridor Upgrade	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. Upgrade the hardware and software technology within the City's Traffic Signal Control System in order to improve the overall reliability and system performance. This will enable the City to improve the overall performance of traffic operations within City's street network system.	\$700,000
10 Phoenix #1	ITS Strategic Plan	Develop the City of Phoenix's first ITS Strategic Plan. This Plan will include strategies for building out, operating and maintaining and enhancing the City's ITS Infrastructure and manpower needs.	\$182,000
11 Phoenix #2	Fiber Optic Backbone Expansion Phase B	To extend Phase B Fiber Optic Backbone, To provide Traffic Signal interconnect to the City of Phoenix TMC	\$818,000
12 Scottsdale	Adaptive traffic control at FLW Blvd & Loop 101	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 manimumize delay as well, or better than real-time control of the area signals through the Traffic Management Center and human intervention.	\$39,375
13 Tempe	South Tempe Communications Project	Tempe currently uses leased phone lines to facilitate traffic signal operations. This project proposes to use an existing conduit along Elliot for fiber optic communication to the signals. Wireless radios will be used to provided communication to signals along Guadalupe & Warner. CCTVs will be placed at the major intersections for traffic monitoring.	\$415,485

Fed\$ Requested= **\$7,464,642**
 Fed\$ available = **\$6,887,000**