Survey of Texas Vehicle Infrastructure Integration (VII) Related Testbed Activities

	Research/Project Title & Description	Sponsoring Organization/ Researchers	Point of Contact	Key Applications	Communications Media	Time Frame	Status (current/ planned)	VII Arch. & Stds. Compliance	Assessment: Relevance to VII Program
19	**Intersection Control for Autonomous Vehicles:** - Investigate how intersection control mechanisms can leverage autonomous vehicles to improve safety and efficiency - Study the impacts of an intersection control "space-time reservation" system for autonomous vehicles. Through V2I communications, vehicles request and receive time slots for intersection traversal. Vehicle automation allows accurate delivery of vehicles at reserved time slots. This concept will be studied through simulation, physical robots, and a full size vehicle.	US DOT-FHWA & University of Texas at Austin Cooperative Agreement	Gene McHale, Team Leader, TFHRC 202-493-3275	ITS Applications: Arterial Management Day 1 Applications: Beyond Day 1	DSRC	10/2007 thru 10/2010	Preparing for Project Kickoff	Starting point VII stds. Expand as needed to conduct research	Future VII