

Survey of New Jersey 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
9	VII Data Characteristics Task: - Develop Trajectory Conversion Algorithm (TCA) software - Perform analytical assessment of VII probe - Develop VII algorithms to process this probe data into measure of interest - Simulation testbeds include: * St. Louis, Missouri * Camden, New Jersey * Van Ness Ave., San Francisco	US DOT/ Noblis	Mike Schagrin, US DOT 202-366-2180 Karl Wunderlich, Noblis 202-488-5707	ITS Applications: Traveler Information Freeway Management Arterial Management Day 1 Applications:	N/A	3/2006 thru 2/2008	Tests in all 3 testbeds complete 7/2007 Currently revising the process	Simulation of std. J2735	VII Program
10	Ascertaining Viability of WiFi based Vehicle-to-Vehicle Network for Traffic Information Dissemination: -Examine the characteristics of a vehicular ad hoc network and whether it can support effective traffic information dissemination - Assess bandwidth limitations of WiFi - Assess a simple data distribution algorithm - Simulated Southern New Jersey Testbed	NSF Career Award Programs Grant/Rutgers University	Samir Goel 732-878-0499 gsamir@cs.rutgers.edu u Tomasz Imielinski Imielinski@cs.rutgers.edu	ITS Applications: Traveler Information Day 1 Applications:	GPS, static digital map and WiFi link (802.11 protocol or DSRC std.)		Final Report	Partial	Vehicle-to-Vehicle