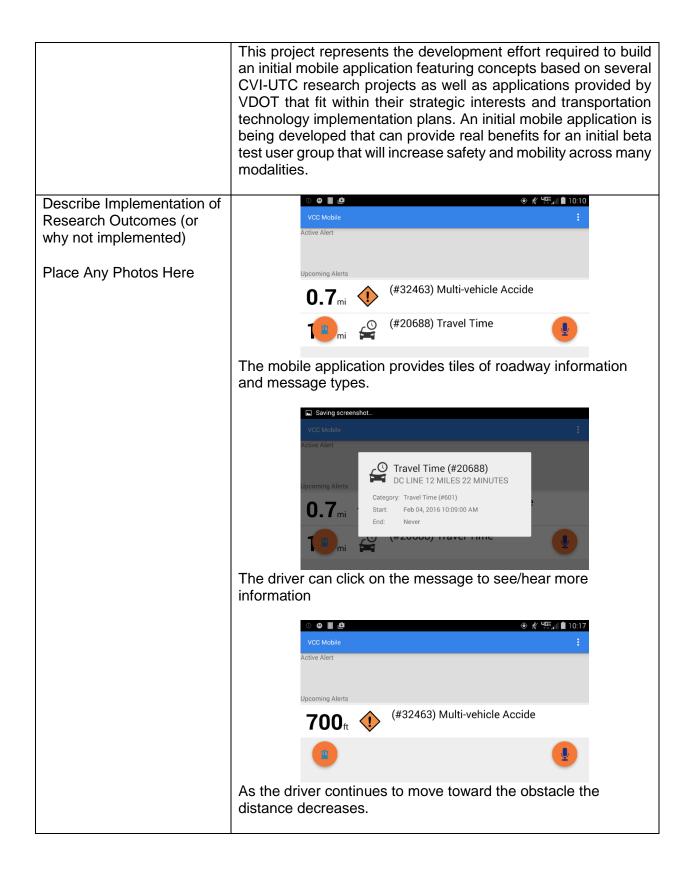
CVI-UTC Project Information		
Project Title	Mobile User Interface Development for the Virginia Connected Corridors	
University	Virginia Tech Transportation Institute	
Principal Investigator	Michael Mollenhauer Alexandria Noble Zac Doerzaph	
PI Contact Information	mmollenhauer@vtti.vt.edu anoble@vtti.vt.edu zdoerzaph@vtti.vt.edu	
Funding Agencies	CVI-UTC (Tier 1 UTC)	
Agency ID or Contract Number	DTRT12-G-UTC20	
Project Cost	\$149,857	
Start and End Dates	7/1/2015 – 6/30/2016	
Project Duration	1 year	
Brief Description of Research Project	 VDOT has made significant investments in the development of the Northern Virginia Connected Vehicle Test Bed. The test bed provides a complete Connected Vehicle (CV) environment including a cloud computing environment, DSRC road side equipment (RSEs) on freeways and arterials, a cellular communications server, and a heavily congested roadway network within which to develop and test CV applications. In addition, VDOT is eager to begin deploying and validating applications on the test bed to help shape strategic decision making with respect to CV technology statewide. Existing applications could potentially provide the desired functionality of imparting information to road users, but the suppliers are do not currently support "while driving" usage to reduce liability as it pertains to driver distraction. Therefore, the Virginia Tech Transportation Institute (VTTI) will advance the state of the art by developing a multi-functional application with a user interface that is appropriate for use while driving. The application that was developed is a smart phone (Android platform) based application about they are experiencing. This application works with DSRC and LTE communications and will allow for rapid, near term deployment of connected vehicle technology to be experienced by a large number of users without the cost of purchasing a new vehicle. 	



	VCC Mobile	÷	
	Active Alert	iala aggident en L66	
	(#32463) Multi-Ven	icle accident on I-66.	
	Upcoming Alerts		
	•		
	When the driver has reached the alert range of the obstacle the alert becomes active and the notification is read to the driver.		
	Active Alert Report an Inciden	t	
	Upcoming Alerts	P	
	l'm Lis	tening	
		CANCEL	
	Drivers are also able to report roadway conditions, hazar		
	and observations through the m	nobile app.	
Impacts/Benefits of	This study is still in progress, actual benefits of implementation		
Implementation	will be determined after completion of the on road beta test.		
(actual, not anticipated)			
Web Links	http://cvi-utc.org/mobile-user-interface-development-for-the-		
Reports Project Website	virginia-connected-corridors/		
 Project Website 			