



Overview of Proposed VLRC Site Locations

Key Regional Agencies

CRATER PLANNING DISTRICT COMMISSION

The Crater Planning District is comprised of 11 local governments in south central Virginia. These are: the cities of Colonial Heights, Emporia, Hopewell and Petersburg, and the counties of Charles City County, Chesterfield, Dinwiddie, Greensville, Prince George, Surry and Sussex.

VIRGINIA'S GATEWAY REGION ECONOMIC DEVELOPMENT ORGANIZATION (VGR)

The Virginia's Gateway Region exists to enhance the economic development opportunities for the cities of Colonial Heights, Hopewell and Petersburg and the counties of Chesterfield, Dinwiddie, Prince George, Surry and Sussex (8 out the 11 communities that the Crater Planning District Commission serves). In addition, VGR acknowledges that the benefits of the Virginia Logistics Research Center and VGR's tools to market this center would also greatly profit the remaining communities in the Crater Planning District.

EMPORIA-GREENSVILLE INDUSTRIAL DEVELOPMENT CORPORATION

The Emporia-Greensville Industrial Development Corporation serves as the economic development agency for the City of Emporia, Greensville County and the Town of Jarratt. The IDC provides community information to numerous real estate brokers, site consultants, and company representatives about industrial facilities and commercial and retail sites in the area. Information provided varies according to the needs of each client and often includes traffic counts, population and demographic reports, aerial photographs, development plans, etc.

Potential Contributing Organizations

- Federal agencies such as Departments of Defense, Energy, Transportation, Education and Commerce (Economic Development Administration)
- Virginia officials: State Secretaries; General Assembly; Senators and Representatives
- Academic institutions
- Regional and municipal governments
- Industry
- Private individuals contributing endowments, start-up and seed funding, venture and angel investments.

For further information about the VLRC, contact:
Crater Planning District Commission
 804-861-1666 or visit its web site at
www.craterpdc.state.va.us

VLRC



Research & Development

ECONOMIC DEVELOPMENT

Technical & Consulting Services

WORKFORCE DEVELOPMENT



Virginia Logistics Research Center



Virginia Logistics Research Center



MISSION

The Crater Region proposes to establish, by 2011, a high-technology research and development center with modeling and simulation as a core technological capability that will be designed, staffed and equipped to support Fort Lee, the Defense Supply Center Richmond (DSCR), and other government, industry, and academic entities within the region for the purposes of R&D, economic growth, business development, workforce development, and technical services as needed by the region for the foreseeable future into the mid 21st century.

To create a consummate environment for conducting modeling and simulation research and development, technology transfer, education and workforce development that supports the military, government, industry, and academic communities of the region, the Commonwealth of Virginia and beyond, to enhance economic development and business growth through unparalleled expertise in the areas of global logistics, advanced manufacturing, health care, supply chain management, bio-technology and aerospace.

The Crater Region, anchored by the multi-year expansion of Fort Lee and positioned to expand as mid-Atlantic hub for logistics excellence, is poised for dramatic economic growth in the decade ahead.

However, the region's existing R&D capabilities for conducting comprehensive urban planning, analysis, problem solving, and the capacity to provide M&S support to Fort Lee and local industries within the region, are not sufficient to meet the current and future needs of the private, public and government sectors.

The potential growth for the Crater Region envisioned in the decade ahead demands cooperation, coordination and synchronization of resources across the municipalities and counties that make up the Hampton Roads and Crater Regions.



VISION • STRATEGY • PLANNING

For Crater, Hampton Roads and the Commonwealth of Virginia to realize the full growth potential in TWD will demand that local, state and federal leaders collectively and cooperatively plan for growth of the region's commercial, retail and residential zones, traffic and transportation systems, communications, power, and public services.

Leaders from the regions and the Commonwealth must jointly formulate a collaborative regional strategy for funding, energy requirements and workforce development.

The Virginia Logistics Research Center's high-level functions reflect its proposed core capabilities: Research and development; economic development; technical and consulting services; and workforce development. The top-level functions will drive the acquisition of technologies and the hiring of research, administrative and technical staff with the knowledge, experience, skills and attributes needed for the center to be successful in accomplishing the lower-level functions.

Based on stakeholder input and analysis of the Crater Region's potential growth areas, it is suggested that research and development initially focus on growing R&D capabilities in the following logistics-related areas:

Transportation-Warehousing-Distribution (TWD)

- Supply Chain Management
- Modeling & Simulation (M&S)
- Advanced Manufacturing
- Medical



Through visualization and metrics, the virtual M&S GIS environment will provide a common framework for the regional growth scenarios to be developed, tested and analyzed from local, regional, state and federal perspectives of interest to military, government, industry, and academic constituencies of the region, the Commonwealth of Virginia and beyond.

Other than building a prototype or scaled version of the real-world infrastructure and regional transportation, warehousing and distribution capabilities, or paying for static architectural designs, both of which can be done but normally at great cost, there is no other technology or cost effective means besides modeling and simulation for conducting this type of exploratory research and investigation.

