The City of Kansas City, Missouri’s Information Technology Department undertakes many Infrastructure projects each year, ranging from installing conduit and fiber infrastructure, security surveillance systems to digital signage in City buildings to setting up new infrastructure and services for new technologies and facilities. The infrastructure teams strive to provide a high level of service through the implementation and management of acceptable technologies that meet the current and future needs of the City of Kansas City, Mo partnering agencies, citizens, staff, visitors, and businesses through the applicable use of technologies and applications. In order to continue to provide high levels of service to external agencies, citizens and staff, information technology infrastructure must be managed and maintained. Citizens expect to receive quality communications technology and information related to City services. In 2005, the City began to look at a strategy for providing broadband access to external agencies, staff and citizens with the following goals in mind: The City of Kansas City seeks to enhance community development in the City by promoting the demand and affordability of high-speed and broadband data connectivity. The City seeks to enhance the operations and applications available to public safety, community organizations, health organizations and other City Departments. With these goals, the City is striving to undertake infrastructure projects that provide benefits in the areas of City Services, Economic Development, Continuity of Government and Public Safety. Broadband Technologies provides the quality of communication and the reach of service delivery to citizens and employees through tools and information, while identifying cost savings and productivity gains. Cost savings can be realized through reduced use of leased lines while increased productivity can be seen through increased and better access to information, reduced errors through rework and paper data entry and other efficiencies gained while providing Citizens increased access to services through increased availability and access to information. Economic Development is supported by creating opportunities by linking technology and information to the under served, and provides innovative solutions through private/public collaboration in the effort of strengthening the community and enhancing livability. Broadband services can bridge the Digital Divide by providing access to information for the under served populations, thereby providing citizens with economic benefits they may not have been able to realize. The City must have a plan for providing Continuity of Government in the event of disaster. Broadband technologies support this by providing the basic communications infrastructure to ensure recovery of all critical services for the operations of public safety, health services, and government agencies in the event of a disaster. The type of infrastructure planned for this project is a basic conduit/fiber middle mile design. The total cost of the system is estimated at $9,196,857. The infrastructure at its initial activation is targeted to support 43 public facilities, including 14 Community Anchor Institutions, 17 Critical Community Facilities, 12
Public Safety Facilities and the core municipal health facility. 12 additional Public Safety Facilities could easily be added to the system later. They are in very close proximity to the network. The initial community facilities connected house over 2000 public service personnel, and provide service to over 5000 walk-ins daily. There are over 100 tenants in these facilities. The system will go through the Kansas City Government and Business districts were a multitude of business's reside. A central distribution point on the network would be within senator Emanuel Cleavers proposed Green Impact Zone, which is an area targeted to be reestablished as a green community through the American Recovery and Reinvestment Act.