Executive Summary

(a) OPPORTUNITY TO ADDRESS: Together with our matching funds the federal stimulus dollars will allow Coral Gables to leverage our existing broadband infrastructure and extend it to support new applications and services in the City. The project will provide the fiber and wireless infrastructure to: (i) improve Public Safety programs such as video-surveillance, EMS and mobile communications; (ii) expand Disaster Recovery and network redundancy capabilities; (iii) allow cloud computing and remote application service; (iv) allow Internet connectivity and mobile applications in the Trolley fleet; (v) enhance Parking management and enforcement applications; and (vi) leverage outreach programs in the Coral Gables downtown area. In addition, in conjunction with the City's involvement with the Miami Dade Broadband Coalition (as a founding member), we help further the Coalition's technology vision through extending the Coalition's 'logical network'. Fiber and wireless infrastructure implemented by the City of Coral Gables under this application can be leveraged by the MDBC to reach more Community Anchor Institutions (CAI's) in the city, as well as provide an affordable alternative to businesses and residents in economically challenged areas. 

(b) PROSED FUNDED SERVICE AREA: Reached by the Public Safety programs, the downtown area of Coral Gables includes Miracle Mile and the Business Improvement District (BID), concentrate a large number of businesses, multinational corporations, consulates, government sites, non-profit organizations, and adjacent residential areas. This area is showing an increase on burglary crimes on businesses, and for that reason the local Public Safety agencies are considering installing video-surveillance devices in the street poles, to help control and reduce those incidents. Other areas that will be served by the fiber infrastructure include the Youth Center and Parks areas, and the University of Miami area. 

(c) Number of Households passed: 2,000 households will directly benefit from the Public safety programs (downtown area), 650 in the new build areas, and 16,793 total in the City that will receive the benefits of the project, as the Public Safety forces concentrated in the main agancy locations will have better resources and communications to respond faster to the calls for service coming from any location in the City. Number of businesses passed: 1400 in the new build areas (4,734 in City), including 200 multinational companies. 

(d) Number of Anchor Institutions passed: 18 

(e) Proposed services and applications: Wireless cameras for video-surveillance, disaster recovery, Software as an Application (SaaS), Cloud Computing and Virtualization, Public Safety mobile communications. 

(f) Approach to addressing the nondiscrimination and interconnection obligations: Our proposed project will be consistent with all five of the NOFA’s non-discrimination and network interconnection obligations. Specifically, we pledge to: 1. Adhere to the principles contained in the FCC’s Broadband Policy Statement (FCC 05-151 adopted Aug. 5, 2005). 2. Not favor any lawful Internet applications or content over others. MDBC agrees to ensure neutral traffic routing and will
implement a 'non-discrimination' condition, thereby ensuring neutral traffic routing. 3. Display network management policies in a prominent location on our web page and provide notice to customers of changes to these policies. 4. Connect to the public Internet directly or indirectly, such that the project is not an entirely private closed network. 5. Offer interconnection, where technically-feasible, on reasonable rates and terms to be negotiated with requesting parties. This includes both the ability to connect to the public Internet and physical interconnection for the exchange of traffic. 6. Our proposed network is fully CALEA compliant, and uses access control lifts in our routers to segregate and block access to illegal or harmful content by IP addresses. Interconnection, non-discrimination and network management practices to be adopted: We pledge to negotiate in good faith with all bona fide requesting parties that wish to connect to the public Internet using our proposed network or to exchange traffic. Interconnection will take place wherever technically feasible and without exceeding current or anticipated capacity limitations. We requested to do so by any bona fide requesting party we will negotiate terms such as business arrangements, capacity limits, financial terms, and technical conditions for interconnection. In a situation where the two parties cannot reach agreement, we will voluntarily seek an interpretation by the FCC of any FCC rules implicated in the dispute. (g). Type of broadband system that will be deployed: Fiber middle mile (95% aerial and 5% buried) between main sites, wireless point-to-point middle mile on sites with line of sight and rooftop availability, and wireless last mile with Wi-Fi wireless access points. (h) Qualifications of the Applicant that demonstrate the ability to implement and operate a broadband infrastructure: The City has already deployed an Institutional Network (I-Net) through a partnership with the private sector. The City has already implemented a robust network infrastructure, and has been providing technology services to the City departments and constituents, in all areas of telecommunications, network, systems, applications, GIS, and technology administration, engineering, and management. The City has an Information Technology Department with 20 employees, who includes Chief information Officer, Sr. IT Analysts, IT Analysts, Specialists, project managers and technicians, all collectively bringing to the table several years of experience in telecommunications (fiber and wireless deployments), network (industry standards and certifications), electrical engineering, software engineering, database administration; and other skills, professional degrees, and certifications that pertain to all the areas involved in this project. (i) Overall infrastructure cost of the broadband system: $535,000 (j) Overall expected subscriber projections for the project: The public safety programs will benefit the entire population of the City, estimated in 45,200. The total number of Police and Fire employees that will advantage of the wireless infrastructure is 320 employees. The total number of City employees that will benefit of the SaaS and DR programs is 850. (k) Number of jobs estimated to be created or saved as a result of this project: 9