



TILSON

Massachusetts Broadband Institute

MassBroadband 123

The Massachusetts Broadband Institute (MBI) sought Tilson's services for development of MassBroadband 123, a \$91MM, Department of Commerce, National Telecommunications and Information Administration (NTIA) funded 1300 mile fiber optic network build out to over 1200 public safety and other state facilities including E911 centers, state police barracks, and fire/rescue locations. MBI is a division of the Massachusetts Technology Collaborative, a public agency tasked with maintaining the Commonwealth's economic competitiveness.

Tilson's responsibilities included strategic planning, route design, business modeling, cost estimation, test and acceptance procedure design, intergovernmental coordination between Department of Transportation, public safety agencies, and industry, and project and construction management services. This work included developing a comprehensive construction cost estimate for the design build requirements and managing over 20,000 Verizon, Western Mass. Electric Company, National Grid, Unitil, and municipal light district-owned utility poles in licensing and make ready. Tilson network engineers developed next generation interoperability and design standards for dense wavelength division multiplexing (DWDM), routing, voice, and switching facilities.

Concluding in 2015, Tilson's work on this project helped the MBI through the RFP processes of design and construction work, and helped the network owner to manage the construction, testing, and acceptance of the network. The network is now up and running.



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