



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, MassDOT Secretary & CEO
Steve Poflak, General Manager



DESIGN DIRECTIVE

To: Distribution

From: Erik Stoothoff, P.E. *ES*
Chief Engineer

Date: April 17, 2019

RE: Fiber Optic

Design Consultants shall design to standards as prescribed by Code. MBTA Standards shall apply only where Code does not address a topic or the MBTA requires a standard above and beyond Code. The more stringent shall always apply.

- All fiber optic cable installed within conduit shall be armored.
- All fiber optic lines shall have no less than 96 strands.
- All cable, regardless of type and use, shall have low smoke insulation and shall be installed within low-smoke conduit.

In the event that conditions warrant deviation from this directive, a design waiver signed by the Chief Engineer and the department owning the scope of work will be required of the project.