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ENGINEERING DIRECTIVE

David Anderson (signature on original)

ACTING CHIEF ENGINEER

Proposed Utility Relocations **Within MassHighway Design Projects**

In accordance with the MassHighway *Project Development & Design Guide*, the MassHighway *Bridge Manual*, MassHighway protocol and accepted engineering practice, all proposed public and private utility relocations (aerial and underground) shall be noted within the design plans for all projects. The design engineer (MassHighway consultant, municipal consultant, private developer consultant, or MassHighway in-house personnel) shall be responsible for ensuring that this requirement is met.

The proposed utility locations shall be noted within all design plan phases (25%, 75%, 100%, PS&E) and may be noted within the general construction plans or on a separate utility plan section. For utilities carried on bridges or crossing bridge footprints, the design engineer shall adhere to the requirements contained in the *Bridge Manual* and shall show all existing and proposed utilities on the bridge plans.

Project managers, design engineers and consultants, in consultation with the various affected utility companies, shall use sound engineering judgment in making reasonable proposals for the necessary relocation of utilities.

Proposed aerial utility relocations shall show the proposed utility pole locations. Note that MassHighway requires accessible paths of travel in accordance with the *Project Development & Design Guide*, *Construction and Traffic Standard Details*, ADA and AAB regulations, and other relevant guidance documents, laws and regulations. When possible, utility poles should be relocated outside of sidewalks. If utility poles must be relocated within proposed or existing sidewalks, the poles should be located at the back of the sidewalk.

Proposed underground utility relocations shall show the proposed conduit, pipe and/or any other utility facility necessary for the relocation.

Project managers, design engineers and MassHighway District personnel shall meet on site with representatives from all utility companies at the 25% design stage to discuss the proposed relocations. All comments shall be discussed at this meeting and any necessary alterations to the proposed relocations shall be noted within the next design phase plan submission, or earlier if required by the project manager.

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