



Number: E-09-004

Date: August 21, 2009

ENGINEERING DIRECTIVE

Frank A. Tramontozzi (Signature on Original)

CHIEF ENGINEER

Supersedes: E-08-004

Signatory Approvals for Bridge Sketch Plans and Construction Drawings

The purpose of this Engineering Directive is to define the signatory approvals required for all Bridge Sketch Plans and Bridge Construction Drawings issued by MassHighway.

This Directive supersedes and rescinds Engineering Directive E-08-004, "Consultant Design Title Block for Bridge Plans", dated 12/19/08.

Bridge Sketch Plans

Effective immediately, all Bridge Sketch Plans shall be approved (signed) by two MassHighway employees, one who shall approve the structural elements and the other who shall approve the highway elements.

MassHighway employees authorized to approve the structural elements of Bridge Sketch Plans are:

- Director of Bridges and Structures
- Deputy Chief Engineer of Bridges and Asset Management
- Director of Project Development, Accelerated Bridge Program
- Director, Accelerated Bridge Program

MassHighway employees authorized to approve the highway elements of Bridge Sketch Plans are:

- Director of Project Management
- Highway Design Engineer
- Deputy Chief Engineer of Projects
- Director of Project Development, Accelerated Bridge Program
- Director, Accelerated Bridge Program

All persons approving Bridge Sketch Plans shall be Registered Professional Engineers in Civil Engineering or Structural Engineering in the Commonwealth of Massachusetts.

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The Chief Engineer is no longer required to approve Bridge Sketch Plans, but may approve such plans in lieu of any of the persons identified above.

MassHighway Bridge Manual Drawings Numbers 1.2.2 and 1.2.3 are revised to accommodate these changes and are attached as part of this Directive. All Bridge Sketch Plan approvals secured using the previous versions of these drawings shall be considered valid for further project development.

Bridge Construction Drawings

Effective immediately, all Bridge Construction Drawings (Bridge Plans) shall be approved (signed) by the Chief Engineer and by one of the following authorized employees:

- Director of Bridges and Structures
- Deputy Chief Engineer of Bridges and Asset Management
- Director of Project Development, Accelerated Bridge Program
- Director, Accelerated Bridge Program

In addition, all Bridge Construction Drawings prepared by Consultant Designers must continue to be stamped and signed by a Registered Professional Engineer in the Commonwealth of Massachusetts for the Consultant Design firm. By affixing such seal and signature, the Consultant Designer is accepting full responsibility for the quality of its work as the designer of record. No MassHighway approvals shall relieve the Consultant Designer of any responsibilities in this regard.

All persons approving Bridge Construction Drawings shall be Registered Professional Engineers in Civil Engineering or Structural Engineering in the Commonwealth of Massachusetts.

MassHighway Bridge Manual Drawings Numbers 1.1.3 and 1.1.4 are revised to accommodate these changes and are attached as part of this Directive. All Bridge Construction Drawing approvals secured using the previous versions of these drawings shall be considered valid.

MassHighway Bridge Manual Drawings

The following *Bridge Manual* Drawings are replaced with new drawings, effective August 2009:

- 1.1.3 In-House Design Title Block, Construction Drawings (issued February 2007)
- 1.1.4 Consultant Design Title Block, Construction Drawings (issued January 2009)
- 1.2.2 In-House Design Title Block, Sketch Plans (issued February 2007)
- 1.2.3 Consultant Design Title Block, Sketch Plans (issued February 2007)

Attachments: New *Bridge Manual* Drawings

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