




Deval L. Patrick, Governor  
Frank DePaola, Acting Secretary & CEO  
Beverly A. Scott, Ph.D., General Manager  
and Rail & Transit Administrator



## Design Directive

**To:** Distribution

**From:** Erik Stoothoff   
Chief Engineer

**Date:** January 6, 2015

**RE:** Design of Permanent Construction

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All permanent construction must be designed by the MBTA's Design Consultant. This includes all elements from signals to precast to handrails and installation details to ensure MBTA standards are met. In the case of design-build, design is to be performed by the designer-of-record, and all required documentation such as calculations must be provided. Deferring designer-of-record responsibility to the Contractor will not be permitted except as allowed by this Design Directive.

Project managers are required to verify that the design of all permanent construction and affected elements is included in the designer's contract, and that it is provided at successive phases of design.

When a designer advises that an element would be best designed by a contractor or fabricator, an assessment of the proposal must be made, and the Project Manager shall prepare the attached waiver request for signature by the Assistant General Manager or Chief Engineer. The waiver request should be made at the earliest stage of design possible. All waivers must be submitted in advance of the circulation of Pre-Bid Review Control Sheets.

In the event a project must include a proprietary, sole source element, the project manager shall submit both a sole source and a permanent construction waiver request for approval.



## Permanent Construction Design Waiver

Contract #: \_\_\_\_\_

Description: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

The policy of the MBTA Design and Construction Department is that all permanent construction must be designed by the MBTA's design consultant, and not by the contractor. The project is requesting a waiver to allow for the above item to be designed by the Contractor. The reason for the waiver request as well as specified controls that will ensure proper design, and a description of related/affected elements, are described below:

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Approved

Denied

\_\_\_\_\_  
Director of Design and Architecture Date: \_\_\_\_\_

\_\_\_\_\_  
Chief Engineer Date: \_\_\_\_\_