MASS HIGHWAY

Number: E-99-003

Date: 02/10/99

ENGINEERING DIRECTIVE

SUPERSEDED

CHIEF ENGINEER

NEW AND REVISED DRAWINGS
FOR *CONSTRUCTION AND TRAFFIC STANDARD DETAILS*

Effective immediately, the *1996 Construction and Traffic Standard Details* are amended with the following new and revised drawings (attached):

Drawing	Description	Action
106.1.0R	**BITUMINOUS CONCRETE BERM TYPE "A"**	Revision
209.1.0R	**SUBDRAIN**	Revision
401.5.1	**BRIDGE END POST TO GUARD RAIL ATTACHMENT TRANSITION**	New Issue
401.5.2	**BRIDGE END POST TO GUARD RAIL ATTACHMENT TRANSITION SECTIONS**	New Issue
401.5.3	**STEEL THRIE BEAM HIGHWAY GUARD RAIL TERMINAL CONNECTOR ATTACHMENT END**	New Issue
401.5.4	**COLLAPSING TUBE FOR BRIDGE END POST TO GUARD RAIL SECTION**	New Issue
401.5.5	**WOOD GUARD RAIL POST AND WASHER DETAIL FOR BRIDGE END POST TO GUARD RAIL TRANSITION**	New Issue
401.6.1	**W BEAM TO THRIE BEAM TRANSITION**	New Issue
401.10.0R	**STEEL BEAM GUARD RAIL WITH WOOD POSTS**	Revision
401.20.0	**TIMBER BLOCK-OUTS FOR STEEL W BEAM GUARD RAIL ON STEEL POSTS**	New Issue

The Guard Rail Drawings (401.5.1 through 401.20.0) have been changed in conformance with NCHRP 350 testing requirements and the AASHTO Task Force 13 Report - *Standardized Highway Barrier Hardware.*

The changes to the Bridge End Post to Guard Rail transition sections (Drawings 401.5.1 through 401.5.6) apply to all projects not yet advertised for construction.

The changes to the offset blocks (Drawings 401.10.0R and 401.20.0) apply to all projects under design or construction. Contractors are required to make any necessary changes to the offset blocks not shown on the contract plans or in the contract documents.

Attachments:

Distribution: Engineering Listing Please post: _____ Do not post X