Publication No:
FHWA-DF-88-003

# Federal Lands Highway

## Project Development and Design Manual

Source: HFL-21

## June 1996 Metric Revision

Federal Lands Highway

"Commitment to Excellence"

U.S. Department of Transportation
**Federal Highway Administration**

# Memorandum

U.S. Department
of Transportation
**Federal Highway Administration**

Subject: INFORMATION: Transmittal 11, Revision to the FLH Project Development and Design Manual (PDDM)

Date: DEC 4 1998

From: Chief, Engineering and Operations Division

Reply to Attn. Of: HFL-21

To: Federal Lands Highway Division Engineers

**TRANSMITTAL No. 11**

This memorandum transmits the revised chapter 8 and approves one new and several revised standard drawings for inclusion in the PDDM. The electronic copies of the revised standard drawings have been forwarded directly from the WFLHD.

| DELETE | | ADD | | DESCRIPTION |
|---|---|---|---|---|
| Page(s) | Dated | Page(s) | Dated | |
| Chapter 8 | 06/03/96 | Chapter 8 | 12/04/98 | Revises all of chapter 8 including the index and exhibits. |
| Chapter 9, Exhibit 9.38 | 01/15/98 | Chapter 9, Exhibit 9.38 | 12/04/98 | New and revised standard drawings. (Revised List of Approved Standard Drawings and Description of Revisions to Standard Drawings.) |

A summary of the resolution of the comments, which includes each Division's incoming comments from the September 21 draft distribution of chapter 8, is also attached. The WFLHD is adding this change to their website copy of the PDDM as well as the CD-ROM Library version they are currently producing.

J. B. Wlaschin

3 Attachments

# Memorandum

U.S. Department
of Transportation

**Federal Highway Administration**

Subject: INFORMATION: Transmittal 10, Revision to the FLH Project Development and Design Manual

Date: January 9, 1998

From: Chief, Engineering and Operations Division
Federal Lands Highway Office

Reply to Attn. Of: HFL-21

To: Federal Lands Highway Division Engineers

**TRANSMITTAL No. 10**

This transmittal documents the approval of standard drawings for inclusion in the Project Development and Design Manual (PDDM). The electronic files and hard copies of the revised drawings are being forwarded directly from the WFLHD.

| DELETE | | ADD | | DESCRIPTION |
|---|---|---|---|---|
| Page(s) | Dated | Page(s) | Dated | |
| Index for Exhibit 9.38 Pages 1-4 | 09/08/97 | Index for Exhibit 9.38 Pages 1-4 | 01/09/98 | Revise Exhibit 9.38 Index to reflect new and updated standard drawings |

The attached Index for Exhibit 9.38 includes the original approval date and latest revision date for each approved standard drawing. A summary is also attached that briefly describes the reasons for the current revisions.

J. B. Wlaschin

2 Attachments

# Memorandum

U.S. Department
of Transportation
**Federal Highway Administration**

Subject: INFORMATION: Transmittal 9, Revision to the FLH Project Development and Design Manual

Date: September 10, 1997

From: Chief, Engineering and Operations Division
Federal Lands Highway Office

Reply to Attn. Of: HFL-21

To: Federal Lands Highway Division Engineers

**TRANSMITTAL No. 9**

This transmittal documents the approval of 29 revised standard drawings for inclusion in the Project Development and Design Manual (PDDM). The electronic files (on CD ROM) and hard copies of the revised drawings have been forwarded directly from WFLHD. They are also available on the WFLHD's Web file server (Internet address ftp:/198.145.188.2).

Most of the drawing changes were required due to the decision by the Concrete Reinforcing Steel Institute not to stock hard converted reinforcing steel sizes. The drawings reflect the comments received from the drafts that were forwarded for comments on January 9.

| DELETE | | ADD | | DESCRIPTION |
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| Page(s) | Dated | Page(s) | Dated | |
| Index<br>Exhibit 9.38<br>Pages 1-4 | 06/03/96 | Index<br>Exhibit 9.38<br>Pages 1-4 | 09/08/97 | Revise Exhibit 9.38 Index to reflect revisions to standard drawings (sent separately) |

Besides the revised Index for Exhibit 9.38, a table briefly describing the changes is also attached.

J. B. Wlaschin

2 Attachments

# Memorandum

U.S. Department
of Transportation
**Federal Highway Administration**

Subject: INFORMATION: Transmittal 8, Revision to the FLH Project Development and Design Manual (PDDM)

Date: May 30, 1997

From: Chief, Engineering and Operations Division
Federal Lands Highway Office

Reply to Attn. Of: HFL-21

To: Federal Lands Highway Division Engineers

**TRANSMITTAL No. 8**

Several revisions to the PDDM are underway, including the rewrite of several chapters. The current revision is the first since the electronic version was transmitted in June 1996. The WFLHD will include the revisions in the electronic version on their Web Page. The WFLHD is also continuing efforts to update the standard drawings for the reinforcing steel changes and will make the standard drawings and other exhibits in the PDDM available on CD ROM in the near future.

| DELETE | | ADD | | DESCRIPTION |
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| Page(s) | Dated | Page(s) | Dated | |
| Exhibit 8.3 Pages 1-3 | 06/03/96 | Exhibit 8.3 Pages 1-3 | 05/28/97 | Revise Exhibit 8.3 to reflect correct NCHRP Report number. |

This change is needed to prevent users outside FLH from mistakenly believing that the aesthetic barrier systems noted have been tested under NCHRP 350. Currently, FLH has no plans to retest these systems under NCHRP 350. As new systems are developed, they will be tested under the criteria approved by FHWA at the time of testing.

J. B. Wlaschin

Attachment

# Memorandum

U.S. Department of Transportation
**Federal Highway Administration**

Subject: INFORMATION: Electronic Metric Version Project Development and Design Manual

Date: June 3, 1996

From: Chief, Engineering and Operations Division, Federal Lands Highway Office

Reply to Attn of: HFL-20

To: Federal Lands Highway Division Engineers

**TRANSMITTAL No. 7**

The metric version of the Federal Lands Highway Project Development and Design Manual (PDDM) is attached on floppy disks. Comments received from users of the August 1995 "Working Draft" have been incorporated. This metric version is intended to be kept only electronically. Information on extracting the compressed files is included on the attached Supplemental Information sheet.

| DELETE | | ADD | | DESCRIPTION |
|---|---|---|---|---|
| Page(s) | Dated | Page(s) | Dated | |
| All (Chapter 1 Through Chapter 11) | 10/21/88 to 06/29/94 | Chapter 1 Through Chapter 11 | 06/03/96 | Metric Revision of Entire PDDM |

Several chapters have comprehensive revisions underway or planned, and some exhibits are not included on the disks. The Supplemental Information sheet also has the status of the revisions and exhibits.

Hugh B. Jones

3 Attachments

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