

INDIANA DEPARTMENT OF TRANSPORTATION

**INTER-DEPARTMENT COMMUNICATION
Standards Section -- Room N642**

August 30, 1999

**DESIGN MEMORANDUM No. 99-13
POLICY CHANGE**

TO: All Design, Operations, and District Personnel, and Consultants

**FROM: /s/ Richard L. VanCleave
Richard L. VanCleave
Design Policy Engineer
Contracts & Construction Division**

RE: Underdrains, Design Manual Section 52-10.0

EFFECTIVE: All Lettings After January 1, 2000

The Standards Committee has approved extensive changes to Standard Specifications Section 718 and to the 718-UNDR series of Standard Drawings. In addition, the Standards Committee has approved a formal design/contract document preparation procedure for underdrains.

The revised specifications will become effective with the January 2000 edition of the Supplemental Specifications and the revised Standard Drawings will also become effective in January 2000. The attached document outlining design and contract document preparation policy will become the basis for the new Section 52-10.0 of the Design Manual. This document will remain in effect until a formal Design Manual revision has been prepared and distributed to manual holders.

The design policy document includes numerous elements that are not currently being incorporated into contracts by designers. In order to maintain project schedules, implementation of the policy will be completed in phases. The schedule for implementation is described below:

1. **Video Inspection**—All contracts with at least 1000 m of underdrain pipe let after January 1, 2000 must include underdrain video inspection. The pay item quantity should be determined in accordance with the policy document.
2. **Outlet Protectors**—Outlet protectors included in contracts let after January 1, 2000 should be selected in accordance with criteria included in the policy document.
3. **All Other Elements**—Beginning with the May 2000 letting, the designer should review all contracts to determine which elements of the policy are to be incorporated in the contract. Policy elements that would adversely affect the contract letting schedule or significantly increase contract costs may be modified or omitted. Exceptions to the policy should be treated as a Level Three Exception in accordance with Section 40-8.02(03). The design of all projects that have a begin design development date of September 1, 1999, or later, shall fully comply with the policy document.

Contracts that are let beginning in May 2000 will require a revised Underdrain Table. The electronic sheet frame and sheet preparation requirements will be available in the near future. Notice of sheet availability will be made via e-mail.

If there are questions regarding this matter, please contact me at (317) 232-5347.

Attachment

RLV/jgj
F:\des\Signed\9913-pcs.doc