



Illinois Department of Transportation

Memorandum

To: Studies and Plans Squads PPM 60-05
From: C. D. Latham Revised by: Tim Brandenburg
Subject: Concrete Headwalls for Pipe Drains
Date: December 29, 1986 Revision Date: December 6, 2006

PLAN PREPARATION MEMORANDUM 60-05

BACKGROUND

This memorandum revises Plan Preparation Memorandum 86-182.P, Pipe Underdrain Outlets and supplements Article and Section 601 of the Standard Specifications and Highway Standards, respectively, in providing uniformity of District preference concerning protection of foreslopes when placing concrete headwalls for pipe drains.

PROCEDURE

Where Pipe Underdrains have been placed on existing Interstate highways with 6:1 foreslopes, there has been a problem at the downstream end of the Concrete Headwall for Pipe Drains. Since the headwall slope is different from the foreslope, there is approximately two feet between the end of the headwall and foreslope which remains unprotected. This causes an erosion problem at the end of the headwall and also leaves a trench that Operations equipment has trouble with. Hence, the Bureau of Operations requests the use of seeding and erosion control blanket at these locations.

Therefore, on sections that will include the installation of Pipe Underdrains on Interstate highways, the Studies and Plans Squads should use District Special Provision "Seeding and Erosion Control Blanket at Concrete Headwalls for Pipe Drains" to address this concern. This work will require 4 square yards of area for each location.