

GSE - January 27, 2000 Talk

TOPIC: Victoria Park Road Landslide - A Major Slope Failure in an Urban Environment

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ABSTRACT: In the early morning hours of June 22, 1998, a significant portion of the Victoria Park Road embankment failed taking out a bicycle trail, retaining wall, sidewalk, and threatening Victoria Park Road, a major traffic commuter route into downtown Edmonton. The landslide necessitated the partial closure of the roadway for the remainder of the summer. The slide covered an area of about 3000 m² and involved an estimated 8000 m³ of displaced soil. Due to its highly visible location and proximity to major high rise condominiums, the project was the subject of intense public and media scrutiny during the course of the project. The high visibility location and importance of the road to downtown commuters made it necessary to investigate the cause of the slide, provide a remediation design, and reconstruct the embankment on a fast-track basis. The reconstruction was completed and the road returned to full use within about 4 months from the failure.

An overview will be given of the slide, including a brief history of the site and events leading up to the failure, the investigation program, the results of the geotechnical assessment, and the stabilization measures that were implemented to get the road back into full use. The talk will also include a brief discussion of some of the complications and issues involved when repairing such failures in an urban location.

Venue : University of Alberta Faculty Club (Main Floor), 11435 Saskatchewan Drive, Parking (Lot V) access through 116 Street

Time : Cocktail & Registration at 5:30 p.m., Dinner: 6:00 pm, Presentation at 7:00 p.m.

Date : January 27, 2000

Cost : GSE Members \$ 15; Students \$ 10, Non Members \$ 20