CEE AT ILLINOIS
Department of Civil and Environmental Engineering

GEO

CEE 595 – Geotechnical Engineering Seminar

Friday, November 3, 2017
11:00AM, Newmark Lab 3310

Painted Canyon Landslide Stabilization using Anchored Drilled Shafts

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Senior Vice President of Shannon & Wilson

Abstract

A large landslide developed along I-94 in western ND and threatened the traveled lanes of the interstate – which is the only east-west roadway across the state. Shannon & Wilson was retained to determine the mechanism of landsliding, develop alternatives, and then develop final plans and specifications for the selected mitigation – anchored drilled shafts. The presentation will discuss the evaluation, analysis and construction of the ground anchors and drilled shafts, including presenting results of instrumentation installed as part of the construction.

Greg is a Senior Vice President and Chairman of the Board of Shannon & Wilson. He has more than 30 years of geotechnical and civil engineering experience. He received his BS and MS degrees from the University of Illinois and a PhD from the University of Washington. He is the author or co-author of over 25 technical papers, and has taught geotechnical and foundation engineering classes at several universities. His consulting experience includes managing the geotechnical services on several large, fast-track projects in a variety of geological conditions. His experience includes providing foundation recommendations for structures and bridges; designing cut-and-fill retaining walls; evaluating slope stability, landslides, and rockfall hazards; providing recommendations for rock slope stabilization; designing embankments over soft ground conditions; providing recommendations for excavations and fills; and providing subgrade parameters and pavement design. He has completed projects in 25 states and 5 countries.