

Spring 2009 Seminar Series

# CHALLENGES AND INNOVATION IN CIVIL AND ENVIRONMENTAL ENGINEERING

## Introduction to the Design and Construction of Drilled Shafts

**Dennis Murphy**

*Retired, President of Kiewit Engineering Company*

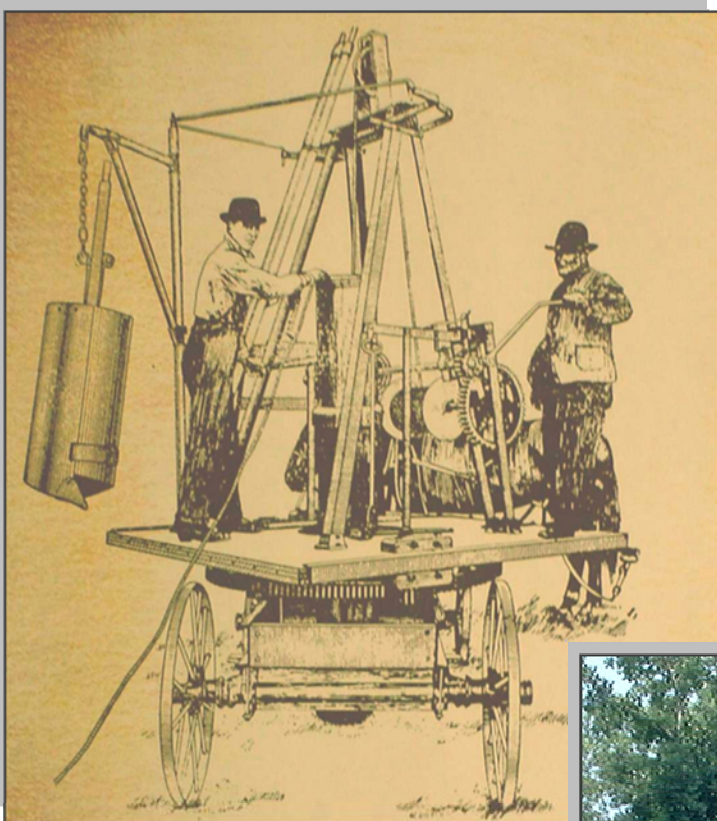
**Wednesday, March 25, 2009**

**129 DeBartolo Hall**

**4:30pm**

*Introductory presentation of the history and evolution of drilled shafts as prime, subsurface, load carrying elements. Included will be the advantages of drilled shafts over conventional piles, design parameters and construction methods.*

*The presentation will include geotechnical parameters used in the drilled shaft selection process, structural design deliverables for shaft design, and sidewall support systems, and will provide examples of different excavation/drill methodologies, concrete/rebar operations and shaft acceptance parameters.*



*A reception and an opportunity to meet the speaker will take place at 4:00pm in the CE/GEOS office conference room, Fitzpatrick 156, before the seminar*

