

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OTHER STRUCTURES GUIDELINES

INTRODUCTION

Geotechnical investigations may also be required for certain structures not included under soil surveys, bridge foundation investigations, and retaining walls. These include box culverts and other buried drainage and utility structures, high mast lighting supports, noise barrier walls, large signage and other special structure supports, weigh stations, and welcome centers. Similarly, geotechnical investigations may be required for stormwater detention/retention control structures and basin dikes/dams, and earthwork and rock fill borrow sources.

These supplemental geotechnical investigations could be in addition to or independent of a roadway soil survey and/or bridge foundation investigation. They generally would employ methodology and procedures required by bridge foundation investigations; however, sound geotechnical engineering principles should be employed to provide appropriate recommendations for design and construction. Example reports for a box culvert, high mast light tower supports, and an Interstate rest area building investigation are presented on the following pages.

The geotechnical cost estimate for these miscellaneous investigations should employ the Bridge Foundation Investigation and Other Structures standard format.