

GEOLOGIC REPORT
SR 162, Industrial Access Road Serving
Aluminum Company of America
Project No. 05950-3537-04
PIN No. 119593.00
Blount County

INTRODUCTION:

This report covers the site investigation of the proposed ramp from Cusick Road to SR 162. The ramp begins at Station 110+70 on SR 162 and ends at the ramp station of 16+60.00. The ramp will cross over a 20 foot box culvert at Station 14+00.00. The ramp also includes a fill retaining wall from Station 16+60.00 to Station 19+50.00.

GEOLOGY AND SITE CONDITIONS:

The project site is dominated by the Maryville Limestone Formation of the Conasauga Group, which consists of thick bedded bluish gray ribboned limestone. The limestone weathers to clay and silty clay.

SUBSURFACE AND SURFACE EXPLORATION:

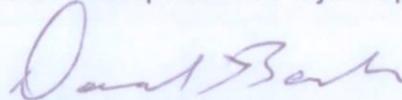
The exploration consisted of site inspection, information obtained from the retaining wall drilling and plans and cross-sections.

DISCUSSION AND RECOMMENDATIONS:

Geotechnical recommendations provided in this report are based on information provided to the Geotechnical Engineering Section and on the work with the design division of Region 1. Based on the site condition, subsurface information and cross-sections, it is recommended that graded solid rock be used for the entire length of the ramp (including the material behind the retaining wall) with a slope ratio of 1.5:1.



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SH:kw
Attachment
March 5, 2014