
**Draft Integrated Feasibility Report
and Environmental Assessment and Draft Finding of No Significant Impact**

APPENDIX B: GEOTECHNICAL

Whittier, Alaska

June 2018



**US Army Corps
of Engineers**

Alaska District

MEMORANDUM FOR CEPOA-PM-C (Attn: Mr. George Kalli)

SUBJECT: Geotechnical Appendix for Whittier Navigational Improvements, Whittier, Alaska.

1. Enclosed is the Preliminary Geotechnical Engineering Report for the Whittier Navigational Improvements Feasibility Study, Whittier, Alaska conducted by Shannon & Wilson, Inc. While conceptual alternatives evaluated in the attached geotechnical report do not specifically match the proposed tentatively selected plan site, this report contains applicable subsurface soil conditions and generalized engineering evaluations from a geotechnical perspective that are still relevant to the proposed tentatively selected plan alternative.
2. Additional geotechnical field work will be required during the preconstruction engineering and design phase of the project. The recommended level of geotechnical field work consists of drilling between 10 and 20 additional onshore and offshore test borings to further characterize anticipated dredging conditions and define the subsurface engineering properties of foundation soils for construction of a new breakwater. Depending on project timing and availability of local drilling support vessels the cost for this additional geotechnical site investigation could range between \$300,000 and \$700,000.
3. Questions on the contents of this report should be addressed to Michael Alley at 907-753-2800 or John Rajek at 907-753-5695.



MICHAEL ALLEY, P.E.
Civil Engineer
CEPOA-EC-G-GM



JOHN J. RAJEK, P.E.
Chief, Geotechnical and Materials Section
CEPOA-EC-G-GM



DOUGLAS A. BLISS, P.E., P.G.,
Chief, Geotechnical and Engineering
Services Branch
CEPOA-EC-G

