



WESTSIDE SUBWAY EXTENSION PROJECT

Preliminary Geotechnical and Environmental Report

(Volume 3) (1 of 2)



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VOLUME 3

Summary

As part of PE phase, the following investigations were performed:

- Geotechnical
- Subsurface Gas
- Hydrogeologic
- Environmental Site Assessment
- Oil Well Survey
- Fault Investigation
- Noise and Vibration Studies

Volume 1 of the report provides the summaries of the field investigation programs for geotechnical, subsurface gas, hydrogeologic studies and oil well surveys; summary of laboratory testing program, description of project geology, evaluation of geologic seismic hazards, engineering properties of principal geologic units, results of ground motion study, geotechnical input for tunnel design and recommendations for stations. Only a summary of findings of fault investigation is included in Volume 1. The results of the comprehensive fault investigation are submitted in a separate report and not in this geotechnical and environmental report. Volume 1 includes Sections 1 through 14 along with an executive summary of the findings of PE phase.

Volume 2 of the report presents the results of the field investigation: boring logs, monitoring well diagrams, Cone Penetration Test data, Dilatometer Test data, photographs of continuous core samples from sonic core borings and results of noise/vibration testing. Reports of oil well surveys, results of pump tests and boring logs of observation wells, National Pollution Discharge Elimination System (NPDES) permit are also included. Volume 2 consists of Appendices A through E and a breakdown of the appendices is presented in table of contents.

Volume 3 (this volume) of the report presents the results of the laboratory testing for geotechnical, subsurface gas, hydrogeologic and environmental site assessment studies. Volume 3 consists of Appendices F through I and a breakdown of the appendices is presented in table of contents.

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