

# TABLE OF CONTENTS

INTRODUCTION.....	1
SITE RESPONSE ANALYSES.....	2
USER’S GUIDE.....	3
Installation .....	3
Soil Profile .....	7
Outcrop Motion.....	12
Soil Model (MRD curves) .....	12
Custom Modulus Reduction and Damping Curves .....	13
Features .....	15
Input Ground Motions .....	17
Scaling Factor .....	18
Gravitational acceleration .....	18
Butterworth Filter.....	18
Features .....	18
Analysis and Results.....	20
Shear Modulus Type .....	21
Error Tolerance and Number of Iterations .....	21
Strain Ratio .....	21
Display of Results .....	21
Saving of Data.....	22
Custom Period Values.....	22
Additional Notes .....	22
File Saving .....	25
Soil Profile Files “.sp” .....	25
Project Files “.vt” .....	25
Output Files “.xlsx” .....	26
Error Handling .....	26
EXAMPLES .....	26
Case I: Treasure Island-Yerba Buena Island .....	26
CONCLUSION .....	31
REFERENCES .....	31