

TABLE OF CONTENTS

INTRODUCTION	1
1.1 SHRP 2 RO2 PROJECT BACKGROUND	1
1.2 VCC TECHNOLOGY DESCRIPTION	2
1.3 PROBLEM STATEMENT	3
1.4 APPROACH.....	3
1.5 OVERVIEW.....	4
“ACTUAL” CAPACITY	7
2.1 LOAD TEST INTERPRETATION	7
2.1.1 Davisson (1972)	8
2.1.2 Kyfor et al. (1992).....	8
2.1.3 Kulhawy (2004).....	8
DESIGN CAPACITY	11
3.1 DESIGN METHOD APPLICATION	11
3.1.1 O’Neill and Reese (1999).....	11
3.1.2 Meyerhof (1976).....	12
3.1.3 Modified ACE (1991)	12
3.1.4 Neely (1990).....	13
RESULTS	15
4.1 RESULTS.....	15
4.2 RECOMMENDATIONS	15
4.3 CONCLUSION	16
REFERENCES	19
APPENDIX A.....	A-1
APPENDIX B	B-1
APPENDIX C	C-1
APPENDIX D	D-1