

TABLE OF CONTENTS

ACKNOWLEDGEMENTS

EXECUTIVE SUMMARY

PAGE

E-1

E.1 INTRODUCTION.....	E-1
E.2 PROBLEM/OPPORTUNITY BEING ADDRESSED BY THE STUDY.....	E-1
E.3 PREFERRED DESIGN.....	E-2
E.4 PROPERTY REQUIREMENTS.....	E-2
E.5 ENVIRONMENTAL AFFECTS AND PROPOSED MITIGATION.....	E-3
E.6 CONSULTATION.....	E-3
E.7 IMPLEMENTATION AND STAGING.....	E-4

1.0 BACKGROUND INFORMATION

1-1

1.1 INTRODUCTION.....	1-1
1.2 PROBLEM/OPPORTUNITY STATEMENT.....	1-1
1.3 ONTARIO ENVIRONMENTAL ASSESSMENT ACT (OEAA).....	1-2
1.3.1 MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT PROCESS.....	1-3
1.3.2 PART II ORDER.....	1-4
1.3.3 PURPOSE OF THE ENVIRONMENTAL STUDY REPORT (ESR).....	1-4
1.4 CANADIAN ENVIRONMENTAL ASSESSMENT ACT (CEAA).....	1-4
1.5 STUDY APPROACH.....	1-5
1.6 PROJECT STUDY TEAM.....	1-5
1.7 PUBLIC AND AGENCY CONSULTATION.....	1-5
1.7.1 CONSULTATION.....	1-6
1.7.2 AGENCIES AND UTILITIES.....	1-6

2.0 THE ENVIRONMENT

2-1

2.1 INTRODUCTION.....	2-1
2.2 EXISTING & FUTURE LAND USE.....	2-1
2.3 NATURAL ENVIRONMENT.....	2-1
2.3.1 CANADIAN NATURAL HERITAGE SITES (NHS).....	2-1
2.3.2 TREES.....	2-1
2.4 SOCIAL/CULTURAL ENVIRONMENT.....	2-2
2.4.1 SOCIAL ENVIRONMENT.....	2-2
2.4.2 CULTURAL ENVIRONMENT.....	2-3
2.4.3 RESIDENTIAL.....	2-3
2.4.4 RECREATIONAL.....	2-4
2.4.5 BUILT HERITAGE FEATURES.....	2-4
2.4.6 ARCHEOLOGICAL OVERVIEW.....	2-4
2.4.7 URBAN DESIGN.....	2-4

2.5 ECONOMIC ENVIRONMENT.....	2-4
2.5.1 COMMERCIAL.....	2-4
2.5.2 INSTITUTIONAL/INDUSTRIAL ENVIRONMENT.....	2-4
2.6 TRANSPORTATION.....	2-5
2.6.1 EXISTING ROADWAY CONDITIONS.....	2-5
2.6.2 EXISTING & FUTURE TRAFFIC VOLUMES.....	2-6
2.6.3 EXISTING COLLISION RATES.....	2-6
2.6.4 LEVEL OF SERVICE (CAPACITY).....	2-6
2.6.5 FUTURE TRAFFIC VOLUMES.....	2-7
2.6.6 PUBLIC TRANSIT.....	2-8
2.6.7 CYCLISTS.....	2-9
2.6.8 PEDESTRIANS.....	2-9
2.6.9 RAILWAY.....	2-10
2.7 UTILITIES & EXISTING INFRASTRUCTURE.....	2-10
2.8 GEOTECHNICAL.....	2-10
2.9 ENVIRONMENTAL INVESTIGATION.....	2-11
3.0 EVALUATION OF ALTERNATIVE SOLUTION AND SELECTION OF RECOMMENDED DESIGN	3-1
3.1 PRELIMINARY DEVELOPMENT OF ALTERNATIVES.....	3-1
3.1.1 DO NOTHING.....	3-1
3.1.2 IMPROVE INTERSECTIONS ONLY.....	3-1
3.1.3 THREE-LANES PLUS SIDEWALKS AND BIKE LANES.....	3-1
3.1.4 FOUR-LANES PLUS SIDEWALKS AND BIKE LANES.....	3-1
3.1.5 FOUR-LANES WITH MEDIAN PLUS SIDEWALKS, AND BIKE LANES.....	3-2
3.1.6 FIVE-LANES PLUS SIDEWALKS AND BIKE LANES.....	3-2
3.2 EVALUATION OF ALTERNATIVE SOLUTIONS.....	3-2
3.2.1 NATURAL ENVIRONMENT IMPACTS.....	3-2
3.2.2 SOCIAL/CULTURAL ENVIRONMENT.....	3-4
3.2.3 LANDSCAPE/URBAN DESIGN.....	3-5
3.2.4 ECONOMIC ENVIRONMENT.....	3-6
3.2.5 TRANSPORTATION AND SAFETY.....	3-7
3.2.6 MUNICIPAL SERVICES AND UTILITIES.....	3-7
3.3 PUBLIC INPUT.....	3-7
3.4 SELECTION OF THE PREFERRED SOLUTION.....	3-8
3.5 ALTERNATIVE DESIGNS FOR PREFERRED SOLUTION.....	3-8
3.5.1 ALTERNATIVE DESIGN CONCEPTS.....	3-9
3.6 REVIEW OF RECOMMENDED DESIGN.....	3-9
3.7 MODIFICATIONS TO RECOMMENDED DESIGN.....	3-10
4.0 PREFERRED DESIGN	4-1
4.1 DETAILED DESCRIPTION OF PREFERRED DESIGN.....	4-1
4.1.1 DESIGN CRITERIA.....	4-1

4.1.1a	PROVINCIAL/DIVISION ROAD – SYDNEY AVE. TO WALKER RD...	4-1
4.1.1b	DIVISION RD. – BETWEEN CABANA RD. EAST & MARENTETTE AVE.....	4-3
4.1.1c	CABANA RD. – DRTP RAIL TO BARRACUDA AVE.....	4-3
4.1.1d	6 TH CONCESSION ROAD – DRTP RAIL TO CABANA RD. EAST.....	4-4
4.1.2	SIDEWALKS.....	4-5
4.1.3	BIKE LANES.....	4-5
4.1.4	DETOUR REQUIREMENTS.....	4-5
4.1.5	UTILITIES.....	4-5
4.1.6	PAVEMENT DESIGN.....	4-6
4.2	PROPERTY REQUIREMENTS.....	4-6
4.3	PRELIMINARY CONSTRUCTION PHASING & COST ESTIMATES.....	4-6
4.4	POTENTIAL ENVIRONMENTAL CONDITIONS & MITIGATING MEASURES.....	4-7
4.4.1	LAND USE.....	4-7
4.4.2	NATURAL ENVIRONMENT.....	4-7
4.4.3	SOCIAL/CULTURAL ENVIRONMENT.....	4-9
4.4.4	ECONOMIC ENVIRONMENT.....	4-10
4.4.5	TRANSPORTATION AND SAFETY.....	4-10
4.5	MONITORING & MAINTENANCE.....	4-10

APPENDICES

APPENDIX A:	COUNCIL REPORTS
APPENDIX B:	TERMS OF REFERENCE
APPENDIX C:	CONTACT LISTS
APPENDIX D:	PUBLIC INFORMATION CENTRE #1
APPENDIX E:	PUBLIC INFORMATION CENTRE #2
APPENDIX F:	PUBLIC COMMENTS
APPENDIX G:	MEETING MINUTES
APPENDIX H:	TRAFFIC ASSESSMENT
APPENDIX I:	NOISE IMPACT STUDY
APPENDIX J:	TREE INVENTORY
APPENDIX K:	UTILITIES

LIST OF FIGURES

	FOLLOWING	PAGE
FIGURE 1.0	PROVINCIAL/DIVISION RD. KEY PLAN.....	1-1
FIGURE 2.0	MUNICIPAL CLASS EA PLANNING AND DESIGN PROCESS.....	1-3
FIGURE 3.0	EXISTING LAND USE.....	2-1
FIGURE 4.0	EXISTING ROAD CONDITIONS.....	2-5
FIGURE 5.0a	PROVINCIAL/DIVISIONS RD. – BETWEEN SYDNEY AVE. AND WALKER RD. CROSS SECTION.....	4-4
FIGURE 5.0b	DIVISION RD. – BETWEEN CABANA RD. EAST AND MARENTETTE AVE. CROSS SECTION.....	4-4
FIGURE 5.0c	CABANA RD. – DRTP RAIL TO BARRACUDA AVE. CROSS SECTION.....	4-4
FIGURE 5.0d	6 TH CONCESSION RD. – DRTP RAIL TO CABANA RD. EAST CROSS SECTION.....	4-4
FIGURE 6.0	PREFERRED DESIGN.....	4-10

LIST OF TABLES

	PAGE
TABLE 1.0 CEEA TRIGGERS AND APPLICABILITY TO THIS EA.....	1-4
TABLE 2.0 EVALUATION SUMMARY OF ALTERNATIVE SOLUTION.....	3-3
TABLE 3.0 PRELIMINARY COST ESTIMATES.....	4-7