

TABLE OF CONTENTS

	<u>Page No.</u>
SYNOPSIS	i
STUDY FINDINGS.....	iii
1.0 INTRODUCTION	1
1.1 Scope	1
1.2 Context.....	2
1.3 Report Organization.....	3
2.0 COMMUNITY PROFILE	5
2.1 Population Forecast.....	5
2.2 Community Services	5
2.3 Economic Activities.....	7
3.0 EXISTING TRANSPORTATION SYSTEM.....	8
3.1 General.....	8
3.1.1 Winter Road System	9
3.1.2 Pukatawagan Airstrip.....	9
3.1.3 Existing Rail Service.....	9
3.2 Freight Transport, Costs, and Service Levels.....	11
3.2.1 Winter Road Traffic - Community Freight	12
3.2.2 Winter Road Freight Costs.....	13
3.2.3 Rail Freight Traffic and Costs.....	13
3.2.4 Air Freight	16
3.2.5 Overall Freight Summary.....	16
3.3 People Transport	19
3.3.1 Rail Passengers	19
3.3.2 Air Passenger Traffic	20
3.3.3 Overall People Transport Summary.....	22
4.0 FUTURE SYSTEM FORECASTS AND COSTS	24
4.1 Road Freight to Pukatawagan	24
4.2 Air Freight to Pukatawagan	25
4.3 Air Passenger Travel.....	25
4.4 Rail Freight to Pukatawagan	25
4.5 Rail Passenger Travel.....	26
4.6 In-Community Operations and Maintenance	26
4.7 Individual Travel.....	26
5.0 RELIABILITY CONSTRAINTS	27
5.1 Context.....	27
5.2 Reoccurrence of Unusually Mild Winters.....	27
6.0 ECONOMIC SPIN-OFF ISSUES.....	29
6.1 Mining	30
6.2 Forestry	32
6.3 Tourism.....	35
6.4 Commercial Fishing.....	35
6.5 Wild Rice Harvesting.....	38
6.6 Service Centre Development.....	38

6.7	Other Benefits	39
6.8	Summary of Spin-off Issues	39
7.0	COMPARISON OF ALL-WEATHER ROAD AND WINTER ROAD SYSTEM COSTS	40
7.1	Basic Strategies	40
7.2	Existing Transportation Situation	40
7.3	Existing Situation with an All-Weather Road	41
7.4	Existing Situation - Minus Railway	43
7.5	All-Weather Road System to Replace No-Rail/Winter Road System	43
8.0	ALTERNATIVE ALIGNMENTS AND STRATEGIES	46
8.1	Background Information	46
8.2	All-Weather Road Access Alternatives	46
8.3	Alternative Transport Improvement Strategies	49
9.0	STAKEHOLDER IDENTIFICATION	53
9.1	General	53
9.2	Major Beneficiaries	55
9.3	Other Stakeholders	55
10.0	COMMUNITY INTERESTS AND CONCERNS	57
10.1	Community Consultation	57
11.0	IDENTIFICATION OF ENVIRONMENTAL AND SOCIAL CONCERN S	60
11.1	Physical and Habitat Impacts	60
11.2	Consequential Physical/Habitat/Socioeconomic Impacts	62

LIST OF FIGURES

	<u>Page No.</u>
Figure 2.1 Population History and Forecast	6
Figure 3.1 Study Area	10
Figure 3.2 Freight Volumes (kg/capital/year) Versus Mode of Transport.....	18
Figure 3.3 Total Freight Movement into Pukatawagan	23
Figure 4.1 Freight Cost Comparison - The Pas to Pukatawagan	24
Figure 6.1 General Geology and Metallogeny of Manitoba	31
Figure 6.2 Highrock Forest Section.....	33
Figure 7.1 Cost Benefit Analysis (Existing Transportation System, including Rail versus All-Weather Road	42
Figure 7.2 Cost Benefit Analysis (Current System Without Railway versus All-Weather Road).....	45
Figure 8.1 Omnitrax/Hudson Bay Railway - Revenue Needs	50

LIST OF TABLES

Table 3.1 Pukatawagan Winter Road Freight Haul Summary.....	12
Table 3.2 Winter Road Freight Rate (The Pas to Pukatawagan).....	13
Table 3.3 Estimates of Typical Railway Freight/Freight Rates	14
Table 3.4 Freight Volumes - Transport Mode (kg/capita/year).....	17
Table 3.5 Train Fares from The Pas to Pukatawagan.....	20
Table 3.6 Pukatawagan Flights (1999).....	21
Table 6.1 Commercial Fishing - Pukatawagan Area Deliveries.....	36
Table 6.2 Summary of Spin-off Issues	39
Table 11.1 Physical and Habitat Impacts	61
Table 11.2 Physical/Habitat/Socioeconomic Impacts	63