

TABLE OF CONTENTS

	Page
PART 1 - PROTRAK BASICS	viii
Introduction	viii
Chapter 1 – Setting Up the Railroad.....	1-1
Tombstone Data.....	1-1
Program Options Settings	1-10
Summary	1-12
Chapter 2 - Setting Up Stations	2-1
Fast Clock Settings	2-1
Station 1 – East Staging Yard.....	2-2
Other Stations.....	2-8
Schematic Map.....	2-12
Summary	2-14
Chapter 3 – Setting Up Staging Tracks.....	3-1
Staging Tracks	3-1
Gateways.....	3-11
Summary	3-12
Chapter 4 - Setting Up A Main Yard	4-1
Actonvale Yard	4-1
Summary	4-5
Chapter 5 - Setting Up Trains	5-1
Setting the Number of Trains	5-1
Two Through Traffic Trains.....	5-3
Line-Up.....	5-7
Connecting Trains	5-10
A Train Reporting Location.....	5-13
A Switching Train As A Turn.....	5-17
Summary	5-22
Chapter 6 – Setting Up Customers.....	6-1
Customers at Actonvale	6-1
Weigh Scales	6-11
Passenger Station.....	6-13
Other Customers	6-16
Summary	6-25
Chapter 7 - Setting Up Freight Cars	7-1
Setting the Default Yard	7-1
Adding Cars	7-3
Summary	7-30
Chapter 8 – Setting Up Waybills and Car-orders	8-1
Quick Traffic	8-1

Offline Shippers.....	8-2
Waybills.....	8-4
Adding a Commodity	8-19
More Waybills	8-24
Car-orders	8-30
Summary.....	8-38
Chapter 9 – First Operating Session	9-1
Zone Printing	9-1
Operating Session On Paper Only	9-7
Adding Car Routing	9-9
Operating Session Continued	9-11
Switchlists.....	9-18
Train Movements	9-26
Update the railroad for the next session	9-38
Only unload delivered cars option.....	9-46
Update the railroad for the next session – continued	9-48
Session Results – What Happened?	9-51
Summary	9-53
Chapter 10 - Next Operating Sessions.....	10-1
Session 27	10-1
Session 27 Analysis	10-5
Session 28	10-8
Session 28 Analysis	10-14
Session 29	10-15
Session 29 Analysis	10-18
Sessions 30 and 31	10-19
Analysis of Sessions 26 through 31.....	10-19
Summary.....	10-29
Chapter 11 - More Car-orders and Opr. Sessions	11-1
Waybills and Car-orders.....	11-2
Through Trains and Staging Track Changes	11-4
Zone Printing Changes.....	11-6
Establishing a Timetable	11-7
Revising the Timetable	11-14
Running more Sessions.....	11-16
Summary.....	11-18
Chapter 12 - Add Castle Rock and Run Sessions	12-1
Click-by-click shorthand	12-1
Adding Customers at Castle Rock	12-3
Trailing Point vs Facing Point Switches.....	12-4
Adding Additional Cars.....	12-7
Adding Waybills.....	12-9
Adding an Offline Shipper	12-10

Changing North Star Engineered Lumber Waybills	12-16
Adding Car-Orders.....	12-17
Creating a new Reporting Point	12-18
Adjusting Train 202's Route	12-18
Adjusting the Timetable.....	12-19
Changing Zone Speed Limits	12-22
Changing Train Departure Times.....	12-22
Scheduling Using ProTrak	12-23
String Diagram Scheduling.....	12-25
Timetable Scheduling	12-35
Deleting a train from the ProTrak Scheduler.....	12-42
Running more sessions.....	12-44
Hotbox Detector.....	12-44
Summary	12-46
Chapter 13 - Basic Passenger Train Operations.....	13-1
Additional Passenger Stations.....	13-2
Setting the Default Location for Passenger Cars	13-5
Adding Passenger Cars	13-10
Adding a Passenger Train	13-13
Scheduling the Passenger Train.....	13-18
Assigning Passenger Cars to the Train	13-23
Printing Schedules and String Diagrams.....	13-25
Adding a Dining Car.....	13-28
Adding the Diner Service Track	13-29
Adding the Diner to the train.....	13-30
Passenger Car Waybills.....	13-31
Adjusting Train 100/101's Yard Blocking	13-36
Passenger Ops Switchlists.....	13-38
Passenger Car Car-Orders.....	13-41
Work Notes.....	13-45
Synopsis	13-48
Summary	13-49
Chapter 14 – Special Operations and Barge/Ferry Operations	14-1
Local Switcher.....	14-1
Freighthouse.....	14-2
Icing Tracks/Platforms.....	14-5
Summary	14-7
Chapter 15 - 'Special' Customers and Local Switching Train.....	15-1
Summary	15-2
Chapter 16 - Setup A Branch Line	16-1
Summary.....	16-2
Chapter 17 - Add A Train For The Branch Line.....	17-1
Summary	17-2

Chapter 18 - Expand The Branch Line	18-1
Summary	18-2
Chapter 19 - Still More Operating Sessions	19-1
Summary	19-2
Chapter 20 - More Passenger Train Options	20-1
Summary	20-2
Chapter 21 – Chapter 21 title	21-1
Summary	21-2
Chapter 22 - Chapter 22 title	22-1
Summary	22-2
APPENDICES.....	A-1
Appendix A - Definitions.....	A-1
Adjusted weight.	A-1
Car Factor.....	A-1
Car Quality.....	A-1
Classification Yard.	A-2
Clearance Plate.	A-2
Clearance Point.	A-2
Core Segment.	A-2
Equated weight.	A-3
Gateway.	A-3
Interval.	A-3
Liveload.....	A-4
ORER.	A-4
Official Railway Equipment Register.....	A-4
Reclassification Yard.....	A-5
Region.....	A-5
Siding.....	A-5
Stringlining.	A-6
Subdivision.	A-6
tt.....	A-6
Tool tip.....	A-6
Trailing Point and Facing Point.	A-6
Train Reporting Location.....	A-7
Train Switching Zone.....	A-7
Zone Code.	A-7
Appendix B - Tables.....	B-1
Table 1 – Station Setup Information	B-1
Table 2 – Customer Information.....	B-3
Table 3 – Car Information.....	B-6
Table 4 – Waybill Information	B-9
Appendix C - Enlarged Figures.....	C-1

Appendix D - Data Field Color Meanings.....	D-1
Appendix E - Troubleshooting and Help Files.....	E-1
User's Help File	E-1
How to get the cars moving.....	E-1
Which requirement is the issue?.....	E-1
Do cars have waybills (BoL) assigned?	E-2
The first requirement: waybills into cars	E-2
The second requirement: trains to move cars	E-3
Customer data requirements:	E-3
SPOT data requirements:	E-3
Train data requirements:	E-3
Online traffic movements.....	E-4
Partial railroad setups.....	E-6
Gateways, Regions and other considerations.....	E-7
Gateways	E-7
Appendix F - Backup and Restore Procedures.....	F-1
Back Ups in General	F-1
Backing Up ProTrak.....	F-1
Backing up Your Railroad's Data.....	F-2
Restoring Data	F-3
"Lost" Railroads.....	F-3
Appendix G - Operations Reports.....	G-1
Appendix H - ProTrak Program Option Defaults	H-1
Definitions and Terminology.....	H-1
Definitions	H-1
Terminology.....	H-2
Core segment (or Middle) Notes.....	H-2
Spot Format and special SPOTs.....	H-3
Era, Date and Minimum Rates.....	H-3
Operating Date	H-3
Per diem & Demurrage.....	H-4
Enhanced Switchlist Features	H-4
Second line messages	H-4
Blocking	H-5
Printing	H-5
Switchlist Format.....	H-6
Alternate Switchlist Format	H-7
Appendix I - Quick Traffic	I-1
On-Line Traffic.....	I-1
Overhead Traffic	I-6
Appendix J - Error/Advice Messages.....	J-1
Appendix K - Timetables	K-1
Timetable 1.....	K-1
Timetable 1 – String Diagram.....	K-2
Timetable 1 - Revised Timetable	K-3

Timetable 1 Revised – String Diagram	K-4
Timetable 2.....	K-5
Timetable 2 – String Diagram.....	K-6
Timetable 2 - Revised Timetable	K-7
Timetable 2 Revised – String Diagram	K-8
Appendix L - Questions and Answers	L-1
A - The ProTrak Interface	L-7
B - Subdivisions, Stations, Zones & "Yd" Yards.....	L-14
C - Customer Setup	L-17
D - Special Tracks (RIP, Cleaning & Icing)	L-27
E - Interchange Tracks	L-33
F - Train Jobs, Yarding & Timetables	L-35
G - Other RR, Gateways & Private Cars.....	L-48
H - Car Setup & Data Modification	L-50
I - Special Car Issues.....	L-58
J - Commodities & STCC Codes	L-63
K - Waybills, Bills of Lading & Car-orders	L-65
L - Engine Issues.....	L-80
M - Staging Track Setup & Operations	L-83
N - General Operations	L-99
O - Switchlists, Workorders & Cut lists	L-114
P - Reporting & Classifying Trains.....	L-119
Q - Operations & Post Operation Session Reports.....	L-123
R - "y" Track operations.....	L-131
S - Car Routing Topics.....	L-135
T - Time and Date	L-146
U - Passenger Train Operations	L-148
V - Continuous Operations topics.....	L-149
W - Turn Train Topics.....	L-150
Appendix M - Weighing and Filling a Car	M-1
Topic.....	M-1
Subtopic.....	M-1
Appendix N - Appendix N title.....	N-1
Topic.....	N-1
Subtopic.....	N-1
Appendix O - Appendix O title	O-1
Topic.....	O-1
Subtopic.....	O-1
Index	1