

This edition of the Colorado
Bicycling Manual is dedicated to
Jerry Nagel in appreciation of his many years of service and commitment to the bicycling community in Colorado.

Thank You Jerry!

TABLE OF CONTENTS

INTRODUCTION
RULES OF THE ROAD
Summary of Colorado Bicycle Law
Road Hazards
Roundabouts
Riding on Sidewalks and in Crosswalks
Right-of-Way
Activating Traffic Signals
Bicycles and Traffic Violations
Tips for Motor Vehicle Drivers
Tips for Bicycling and Walking Near Large Trucks and Buses
Tips for bicycling and warking near Large Trucks and buses
RULES FOR SHARED-USE PATHS
NOLEO FOR OF WINED ODE FAITIO
RIDING FOR DIFFERENT REASONS
Bicycle Commuting
Effective Bicycling Skills
Route Selection
The Employer Guide to an Employee Commuting Program
Bicycle Touring
Bicycle Racing
Mountain Biking
Wouldain Diking
EQUIPMENT AND ACCESSORIES
Identification and Medical Information
Helmet
Bicycle
How Safe is Your Bicycle?
Flat Prevention
Does Your Bicycle Fit You?
Optional Accessories
Climate and Clothing
Climate and Clothing
A GUIDE TO BICYCLE PARKING54
A GOIDE TO BIGTOLE FARRING
THEFT PREVENTION
THEFT FREVENTION
CRASH INFORMATION
ONAOTI INI ONIVIATION
CHILDREN
What Parents Should Know
When Should a Child Start Riding a Bicycle?
When Should a Child Start Riding a Bicycle:
Transporting Children
nansporting officient
EVERYONE IS A PEDESTRIAN
Crossing Advice for Pedestrians
The Signs of Safety are Everywhere!
Select a Safe Path Through Work Zones
Gelect a Gale Fath Milough Work Zones
GLOSSARY OF TERMS73
GLOGOTATI OF TEITING
COLORADO STATUTES REFERENCING BICYCLING74
OSCORADO OTATOTEO REI ERERORAO DIOTOCINO
RESOURCE DIRECTORY 77

INTRODUCTION

This compendium of bicycling information has been prepared by the Colorado Department of Transportation (CDOT) Bicycle/Pedestrian Program. It is designed to encourage the use of bicycles for transportation by providing information about bicycling in Colorado to make it an easy, safe, and satisfying experience. All levels of government in Colorado are participating in engineering, enforcement, education, and encouragement efforts to make bicycling a practical transportation choice, and the Colorado Department of Transportation continues to encourage the development of facilities and programs to accommodate safe and efficient travel options.

Bicycling is a very energy efficient form of transportation and includes many benefits such as improved health, less stress, and reductions in air pollution, traffic congestion, and energy consumption. In addition, bicycles are affordable and inexpensive to maintain, and driving a bicycle is a lot more fun than sitting in traffic on a congested roadway.

The State of Colorado recognizes the benefits of using bicycles as an alternative form of transportation and highly recommends their use for commuting, errands, and recreation. Many trips normally taken by car can be pleasantly and efficiently done by bicycle. Bicycle transportation is particularly efficient for short trips of ten miles or less and can be combined with other alternative modes for longer trips.

Using a bicycle for one ten-mile trip results in the following savings:

.5 gallons of gasoline

\$.75 saved on gasoline costing \$1.50 per gallon

.328 pounds of carbon monoxide are not produced

.044 pounds of nitrous oxides are not produced

.039 pounds of hydrocarbons are not produced

While these numbers may seem small when broken down into one ten-mile trip, they are significant when viewed statewide. For instance, Colorado's population is approximately four million, and if one quarter of our population (one million people) replaced just one ten-mile motor vehicle trip per year with one bicycle trip, it would result in the following savings:

500,000 gallons of gasoline

\$750,000 would be saved on gasoline costing \$1.50 per gallon

328,000 pounds of carbon monoxide would not be produced

43,000 pounds of nitrous oxides would not be produced

39,000 pounds of hydrocarbons would not be produced

NOTE: The calculations above are based on the following figures from the Colorado Department of Health:

- An average commuting vehicle gets 20 miles per gallon of gasoline
- An average commuting vehicle carbon monoxide emission rate is 14.9 grams per mile
- An average commuting vehicle nitrous oxide emission rate is 1.98 grams per mile
- An average commuting vehicle hydrocarbon emission rate is
 1.79 grams per mile

Every person's transportation choice counts! We all need to be conscious of and courteous to other individuals when sharing our roadways. Remember, streets and trails are for everyone and sharing is more than good manners!