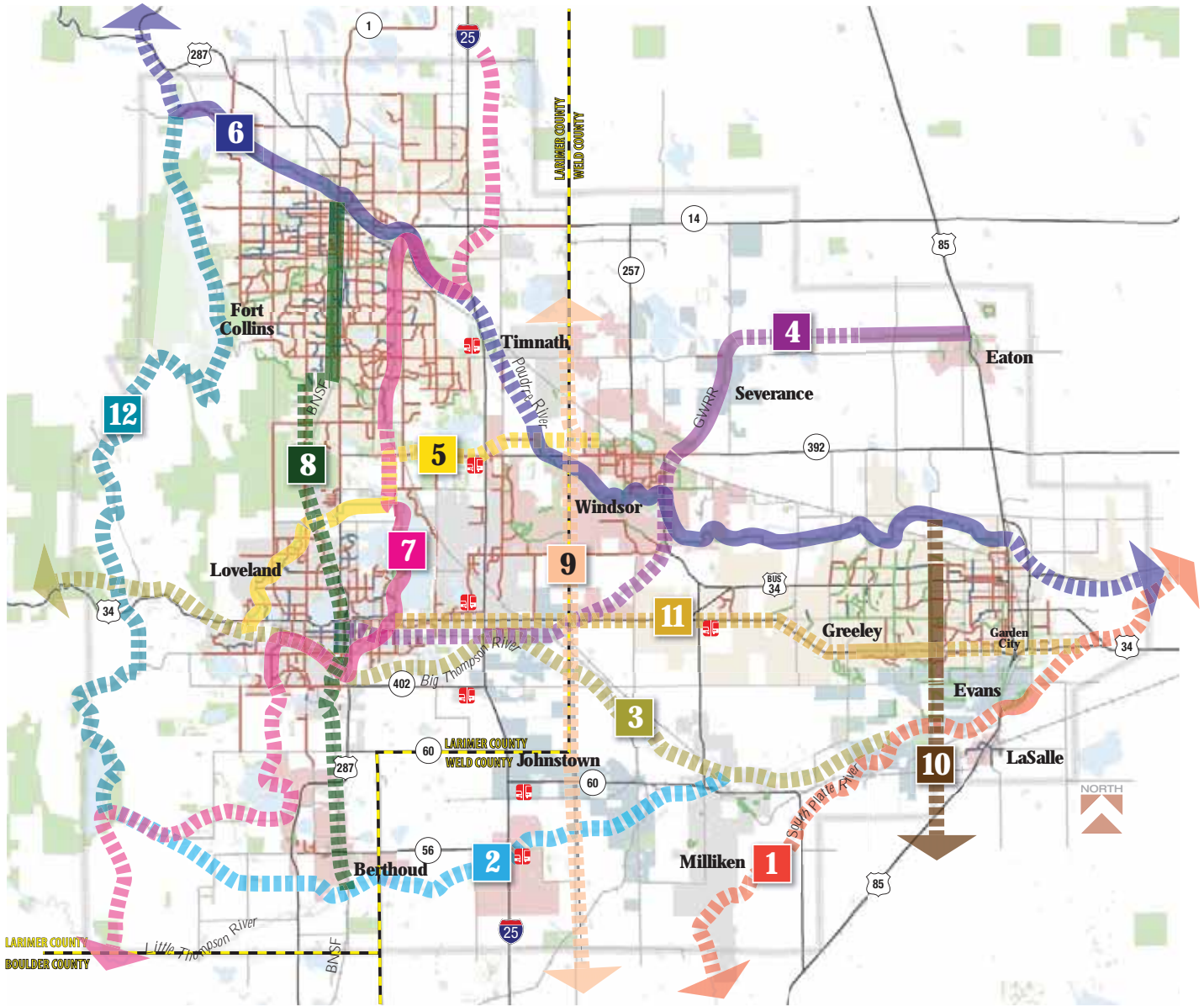
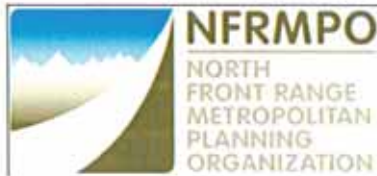




NFR MPO Regional Bicycle Plan





RESOLUTION NO. 2013 - 7
OF THE NORTH FRONT RANGE TRANSPORTATION & AIR QUALITY PLANNING COUNCIL
ADOPTING THE REGIONAL BICYCLE PLAN IN CONFORMANCE WITH FEDERAL REQUIREMENTS

WHEREAS, the North Front Range Transportation & Air Quality Planning Council (NFRMPO) is designated as the Metropolitan Planning Organization (MPO) in cooperation with local elected officials and is authorized to carry out the continuing, cooperative, and comprehensive transportation planning process that results in plans and programs that consider all transportation modes and supports community development and social goals; and

WHEREAS, the MPO has been designated by the U.S. Department of Transportation and the Colorado Department of Transportation (CDOT) to direct, coordinate, and administer planning processes as mandated by the Congress in Titles 23 and 49 U.S.C.; and

WHEREAS, North Front Range Transportation & Air Quality Planning Council as the Metropolitan Planning Organization (MPO) is the agency responsible for developing and updating long range regional transportation plans and the transportation improvement programs; and

WHEREAS, the NFRMPO's Technical Advisory Committee recommended approval of the plan.

NOW, THEREFORE, BE IT RESOLVED BY THE NORTH FRONT RANGE TRANSPORTATION & AIR QUALITY PLANNING COUNCIL (NFRMPO) THAT it adopts the Regional Bicycle Plan as follows:

SECTION 1. The North Front Range Transportation & Air Quality Planning Council hereby adopts the Regional Bicycle Plan as proposed by the NFRMPO's Technical Advisory Committee for incorporation into the 2040 Regional Transportation Plan update.

SECTION 2. This Resolution shall become effective immediately upon passage and approval.

Passed and adopted at the regular meeting of the North Front Range Transportation & Air Quality Planning Council held this 7th day of March 2013.


Lyle Achziger, Chair

ATTEST:

Terri Blackmore, Executive Director



NFR MPO
Regional Bicycle Plan

Prepared for:

North Front Range MPO
419 Canyon Avenue, Suite 300
Fort Collins, CO 80521

Prepared by:

Felsburg Holt & Ullevig
6300 South Syracuse Way, Suite 600
Centennial, CO 80111
303.721.1440

March 7, 2013
FHU Reference No. 10-045-07



ACKNOWLEDGEMENTS

Bicycle Technical Advisory Committee (TAC) Members

- Betsy Jacobsen – CDOT Division of Transportation Development
- Cameron Parrott – City of Evans
- Clint Dudley – Town of LaSalle
- Don Cadwallader – Town of Eaton
- Eric Drummond – Colorado State Trails
- Eric Grey – Colorado State Parks
- Janet Meisel-Burns – City of Loveland
- Jeff Wiggins – City of Cheyenne
- Jeffrey Boring – Larimer County
- John Franklin – Town of Johnstown
- Justin Stone – City of Loveland
- Karen Schneiders – CDOT Region 4
- Larry Butterfield – Colorado State Parks
- Martina Wilkinson – Larimer County
- Matt Blakely – Town of Timnath
- Molly North – City of Fort Collins
- Nancy Matchette – Colorado State Trails
- Phillip Waggoner – Town of Milliken
- Sarah Boyd – City of Greeley
- Tim Katers – Town of Berthoud
- Tom Morrissey – Colorado State Trails
- Wade Willis – Town of Windsor
- Wesley Hood – City of Greeley

NFRMPO Public Engagement Support Intern Team

- Ariel Mikolitch, Colorado State University
- Rachel Childs, Colorado State University

University GIS Team

- Aaron Yuhas, Colorado State University
- Jared Pappert-Stockton, Colorado State University
- Joshua Reyling, University of Northern Colorado
- Ken Bucko, Colorado State University



TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGEMENTS	i
1. INTRODUCTION	1
Purpose of Regional Bicycle Plan.....	1
Benefits of Investing in Bicycle Infrastructure.....	1
2. BICYCLE INVENTORY	3
Regional Context	3
Documents and Programs	4
Bicycle Infrastructure	10
Standards and Policies.....	17
Data and Analysis	21
3. PUBLIC AND STAKEHOLDER OUTREACH	39
Bike Technical Advisory Committee	39
Project Webpage.....	40
Work Sessions.....	40
Employer Survey Results	41
Community Charrettes	44
Household Survey Results	44
4. REGIONAL BICYCLE SYSTEM ENHANCEMENT	50
Corridor Identification Process.....	50
Regional Bicycle Corridors.....	51
Other Regional Improvements and Programs.....	96
5. IMPLEMENTATION PLAN	98
Funding.....	98
Regional Collaboration	99
Bicycle Project Scoring Guide	100
Bicycle Planning and Design Resources.....	100
Integration with other Regional Planning Processes	102



LIST OF FIGURES

	<u>Page</u>
Figure 2.1	NFRMPO Planning Area 3
Figure 2.2	Existing Bicycle Facilities and Routes 11
Figure 2.3	Centerline Miles of On Street Bike Lanes and Bike Routes 12
Figure 2.4	Centerline Miles of Off Street Shared Use Paths 13
Figure 2.5	Bike Boardings on Buses in 2010 14
Figure 2.6	Transfort Monthly Bike Boardings on Buses (2011) 15
Figure 2.7.	Bike Shops 16
Figure 2.8	Monthly Bicycle Counts on Southbound 13th Street in Boulder 22
Figure 2.9	Annual Bicycle Crash Data 23
Figure 2.10	Annual Bicycle Theft Data 23
Figure 2.11	Household Density 25
Figure 2.12	Business Locations 26
Figure 2.13	School Access to Bike Routes 27
Figure 2.14	Enrolled Student Residence within 2 Miles of University of Northern Colorado 28
Figure 2.15	Enrolled Student Residence within 2 Miles of Colorado State University 29
Figure 2.16	Enrolled Student Residence within 2 Miles of AIMS Community College 30
Figure 2.17	Low Income Access to Bicycle Facilities 33
Figure 2.18	Minority Access to Bicycle Facilities 34
Figure 2.19	Senior Access to Bicycle Facilities 35
Figure 2.20	Rail Corridor Potential 36
Figure 2.21	Trail and Roadway Crossings 37
Figure 2.22	Ditch Ownership 38
Figure 3.1	Project Webpage 40
Figure 3.2	Questions Asked During Regional Bicycle Work Sessions 41
Figure 3.3	Does your organization provide bike parking that is located near the entrance? (Short-term) ... 42
Figure 3.4	Does your organization have showers that a cyclist could use after their commute? 42
Figure 3.5	Does your organization provide an incentive (i.e. gift cards) for employees to bicycle to your office? 42
Figure 3.6	Does your company or employees participate in “Bike to Work Day” in June? 43
Figure 3.7	Is your organization situated on a road that is equipped with bicycle lanes? 43
Figure 3.8	Is your organization situated in a location that is near a multi-use trail (not on roadway)? 43
Figure 3.9	Frequency of Bicycle Use 46
Figure 3.10	Percentage of All Respondents Who Rode Their Bicycle in the Last Six Months 46
Figure 3.11	When you ride a bike for the work or school commute, what distance do you usually travel? ... 47
Figure 3.12	How long is your usual bike ride for the work or school commute? 47
Figure 3.13	Percent of non-riders who would like to be able to ride their bike more than they currently (and by place of residence). 48



LIST OF FIGURES (cont.)

Figure 3.14 To what extent, if any, do each of the following bicycling challenges on the road concern you? 49

Figure 4.1 Regional Bicycle Corridors 52

Figure 4.2 Corridor #1 – South Platte / American Discovery 53

Figure 4.3 Corridor #2 – Little Thompson River 57

Figure 4.4 Corridor #3 – Big Thompson River 61

Figure 4.5 Corridor #4 – Great Western / Johnstown / Loveland 65

Figure 4.6 Corridor #5 – North Loveland / Windsor 69

Figure 4.7 Corridor #6 – Poudre River Trail 73

Figure 4.8 Corridor #7 – Front Range Trail (West) 76

Figure 4.9 Corridor #8 – BNSF Fort Collins / Berthoud 80

Figure 4.10 Corridor #9 – Johnstown / Timnath 83

Figure 4.11 Corridor #10 – Greeley / LaSalle 86

Figure 4.12 Corridor #11 – US 34 89

Figure 4.13 Corridor #12 – Carter Lake / Horsetooth Foothills 92



LIST OF TABLES

	<u>Page</u>
Table 2.1	Bike Amenities at Municipal Buildings 15
Table 2.2	Bicycle Facilities Standards..... 18
Table 2.3	Bicycle Related Regulations..... 19
Table 2.4	Bicycle Accommodation Requirements 20
Table 2.5	Travel Mode for Commuting (2010 Household Survey) 24
Table 2.6	Safe Routes to Schools Grant Recipients (2004 – 2011) 31
Table 3.1	Length of Residency 45
Table 3.2	Housing Tenure 45
Table 3.3	Respondent Gender 45
Table 3.4	Respondent Age 45
Table 3.5	Respondent Ethnicity 46
Table 3.6	Reason for Having Not Ridden a Bicycle in the Past Six Months..... 47
Table 3.7	Reason Respondent Would Be More Inclined to Bicycle More 48
Table 4.1	Corridor #1 – South Platte / American Discovery 54
Table 4.2	Corridor #2 – Little Thompson River 58
Table 4.3	Corridor #3 – Big Thompson River 62
Table 4.4	Corridor #4 – Great Western / Johnstown / Loveland 66
Table 4.5	Corridor #5 – North Loveland / Windsor..... 70
Table 4.6	Corridor #6 – Poudre River Trail..... 74
Table 4.7	Corridor #7 – Front Range Trail (West) 77
Table 4.8	Corridor #8 – BNSF Fort Collins / Berthoud..... 81
Table 4.9	Corridor #9 – Johnstown / Timnath 84
Table 4.10	Corridor #10 – Greeley / LaSalle..... 87
Table 4.11	Corridor #11 – US 34 90
Table 4.12	Corridor #12 – Carter Lake / Horsetooth Foothills..... 93

LIST OF APPENDICES

APPENDIX A	CITATIONS
APPENDIX B	CDOT.BICYCLE.AND.PEDESTRIAN.POLICY.DIRECTIVE.
APPENDIX C	COMMUNITY INPUT
APPENDIX D	COMPILATION OF LOCAL AGENCY PROPOSED BIKE FACILITIES
APPENDIX E	REGIONAL BICYCLE CORRIDOR EVALUATION MATRIX
APPENDIX F	EVALUATION CRITERIA FROM WELD TRAILS COORDINATION COMMITTEE
APPENDIX G	PRESENTATIONS ON RAILROAD AND DITCH COORDINATION