

BUTTE COUNTY REGIONAL TRANSPORTATION PLAN



Prepared by

**Butte County
Association of
Governments**

**2008 -
2035**

ADOPTED - December 11, 2008

**2580 Sierra Sunrise Terrace, Suite 100, Chico CA 95928
530-879-2468 530-879-2444 (fax) www.bcag.org**

(This document is available online at www.bcag.org. Please direct any questions or comments to Mr. Iván García, BCAG Programming Manager by phone or email at igarcia@bcag.org)

ACKNOWLEDGEMENTS

Butte County Association of Governments Board of Directors

Jane Dolan, BCAG Chair	Butte County Board of Supervisors District 2
Bill Connelly, Vice Chair	Butte County Board of Supervisors District 1
Maureen Kirk	Butte County Board of Supervisors District 3
Curt Josiassen	Butte County Board of Supervisors District 4
Kim Yamaguchi	Butte County Board of Supervisors District 5
Doug Arnold	Council Member, City of Biggs
Scott Gruendl	Council Member, City of Chico
Jerry Ann Fichter	Mayor, City of Gridley
Steven Jernigan	Mayor, City of Oroville
Alan White	Mayor, Town of Paradise

Butte County Association of Governments Staff

Jon A. Clark	Executive Director
Andy Newsum	Deputy Director
Cheryl Massae	Personnel & Administration Services Manager
Ivan Garcia	Programming Manager
Chris Devine	Planning Manager
Jim Peplow	Senior Planner
Brian Lasagna	Senior Planner
Kristy Bonnifet	Assistant Planner
Corinne Martine	Administrative Assistant

Many individuals, including a number of citizens and representatives from the Transportation Advisory Committee, aided in the preparation of materials contained in the Regional Transportation Plan and are acknowledged.



**ACRONYMS FOR
BUTTE COUNTY ASSOCIATION OF GOVERNMENTS**

ACRONYM	MEANING
AB	Assembly Bill
ARB	Air Resources Board (California)
ADT	Average Daily Traffic
AQMD	Air Quality Management District
BCAG	Butte County Association of Governments
BCT	Butte County Transit
CATS	Chico Area Transit System
CAAA	Clean Air Act Amendments
CALCOG	California Association Council of Governments
CCAA	California Clean Air Act
CO	Carbon Monoxide
CTC	California Transportation Commission
DOT	Department of Transportation
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year
FTIP	Federal Transportation Improvement Program
GIS	Geographic Information Systems
GPS	Global Positioning Satellite
HCP	Habitat Conservation Plan
IIP	Interregional Improvement Program
ITIP	Interregional Transportation Improvement Program
LTF	Local Transportation Fund
MIS	Major Investment Study
MPO	Metropolitan Planning Organization
MTP	Metropolitan Transportation Plan
NHS	National Highway System
OATS	Oroville Area Transit System
OWP	Overall Work Program
PA & ED	Project Approval and Environmental Document
PDT	Project Development Team
PS&E	Plans, Specifications and Estimate
PSR	Project Study Report
RFP	Request for Proposal
RTP	Regional Transportation Plan
RIP	Regional Improvement Program
R-O-W	Right-of-Way
RTIP	Regional Transportation Improvement Program
RTPA	Regional Transportation Planning Agency
SACOG	Sacramento Area Council of Governments
SHOPP	State Highway Operation Protection Program
SIP	State Implementation Plan (Air Quality)
SSTAC	Social Services Transportation Advisory Council
STA	State Transit Assistance
STIP	State Transportation Improvement Program
TAC	Transportation Advisory Committee
TAZs	Traffic Analysis Zones
TDA	Transportation Development Act
VMT	Vehicle Miles Traveled
WE	Work Element
YTD	year-to-date



“ The preparation of this report has been financed in part from the U.S. Department of Transportation, Federal Transit Administration, under 49 U.S.C., Chapter 53 Section 5303-5306, Metropolitan Planning Grant.”

**BUTTE COUNTY
2008 REGIONAL TRANSPORTATION PLAN
TABLE OF CONTENTS**

CHAPTER 1

Introduction and Physical Setting1-1

POLICY ELEMENT

**CHAPTER 2
GOALS, OBJECTIVES and POLICIES**

Goals, Objectives and Policies2-1

ACTION ELEMENT

**CHAPTER 3
ANALYSIS**

Action Element Analysis3-1
Preparatory Activities3-1
BCAG Blueprint Planning Activities and Growth Projections3-1
Figure 3-1 – The “Old Way” versus the “New Way” of Environmental Permitting
under the HCP/NCCP3-3
Figure 3-2 - All Groups Coordinate Together to Develop Plan3-5
Table 3-1 – Regional Population Projections 2006-20353-5
Table 3-2 – Regional Housing Unit Projections 2006-20353-5
Table 3-3 – Regional Employment Projections 2006-20353-6
Regional Issues3-11
Mandated Transportation Services3-13
Air Quality Conformity3-14
Traffic Forecasting – Summary of BCAG Transportation Model3-15
Regional Road Network3-17
Figure 3-3 – Butte County Circulation Designations3-21
Figure 3-4 – Biggs Circulation Designations3-23
Figure 3-5 – Chico Circulation Designations3-27
Figure 3-6 – Gridley Circulation Designations3-29
Figure 3-7 – Oroville Circulation Designations3-32
Figure 3-8 – Paradise Circulation Designations3-34

**BUTTE COUNTY
2008 REGIONAL TRANSPORTATION PLAN
TABLE OF CONTENTS - Continued**

Regional Performance Measures3-35
Table 3-4 – 2008 BCAG RTP Performance Indicators & Measures3-36
Alternatives3-37
Social Impacts3-37
Environmental Issues3-38

**CHAPTER 4
GLOBAL CLIMATE CHANGE AND GREENHOUSE GAS**

Background4-1
Greenhouse Gas and Climate Change4-1
California Greenhouse Gas Emission Legislation4-2
BCAG Response to GHG Guidance and the RTP Process.....4-3

**CHAPTER 5
ACTION ELEMENT CONCLUSIONS**

Linkages5-1
Action Element Overview5-1

**CHAPTER 6
HIGHWAYS AND LOCAL STREETS AND ROADS**

Background6-1
Purpose and Need6-1
Regional Projects Within Financial Constraints6-2
Table 6-1 – State Transportation Improvement Program6-2
Figure 6-1- Regional Priorities.....6-3
Table 6-2 – 2008 State Highway Operations and Protection Program (SHOPP)6-6
Table 6-3 – 2008 Ten Year SHOPP6-6
Table 6-4 – Congestion Mitigation and Air Quality Program.....6-7
Table 6-5 – Public Lands Highways Program6-9
Table 6-6 – Congressional Earmark Projects.....6-9
Table 6-7 – Highway Bridge Program (HBP).....6-10
Locally Funded Projects6-11
Table 6-8 Projects Included in Regional Emissions Analysis6-11
Unfunded Regional Priorities Beyond Financial Constraints6-13
State Highway Corridor Strategies6-14

**BUTTE COUNTY
2008 REGIONAL TRANSPORTATION PLAN
TABLE OF CONTENTS- Continued**

Currently Programmed and Funded Projects (RTIP & FTIP)6-16
 Table 6-9 – 2009 FTIP Projects (FFY 08/09 – FFY 12/13).....6-17
 Table 6-10 – 2009 FTIP Fund Type Summary by Fiscal Year6-21

**CHAPTER 7
TRANSIT**

Background7-1
 Purpose and Need7-2
 Fixed Route B-Line Transit Service.....7-2
 Table 7-1 – Butte Regional Transit Fares.....7-5
 Figure 7-1 & 7-1a – Chico Area Transit Routes7-6
 Figure 7-2 – Oroville Area Transit Routes7-7
 Figure 7-3 – Paradise/Magalia Area Transit Routes7-8
 Figure 7-4 – Intercity Regional Transit Routes in Butte County.....7-9
 Figure 7-5 – Gridley/Biggs Area Transit Routes7-10
 Paratransit Service7-11
 Social Service Transportation7-11
 Coordinated Public Transit – Human Services Transportation Plan7-12
 Table 7-2 – Butte County Coordination Plan – Target Population
 Transportation Needs, Resources & Possible Responses7-13
 Table 7-3 – Butte County Coordination Plan Recommended Goals,
 Objectives and Suggested Strategies7-14
 Consolidated Transportation Service Agency7-19
 Other Transportation Options.....7-19
 Transit Needs Assessment7-19
 Transit Planning7-21
 ADA Paratransit Program.....7-21
 Transit Action Plan7-22
 Currently Programmed and Funded Projects7-23
 RTP Planned Improvements7-24

**CHAPTER 8
NON-MOTORIZED TRANSPORTATION**

Background8-1
 Purpose and Need8-1
 Bikeways8-2
 Pedestrian Facilities8-4

**BUTTE COUNTY
2008 REGIONAL TRANSPORTATION PLAN
TABLE OF CONTENTS - continued**

Non-Motorized Transportation Needs Assessment.....	8-6
Non-Motorized Bike Action Plan.....	8-6
Table 8-1 Class 1 Routes – Existing Facilities	8-7
Table 8-2 Class 2 Routes – Existing Facilities	8-8
Table 8-3 Class 3 Routes – Existing Facilities	8-9
Table 8-4 Class 1 Routes – Proposed Facilities.....	8-10
Table 8-5 Class 2 Routes – Proposed Facilities.....	8-11
Table 8-6 Class 3 Routes – Proposed Facilities.....	8-15
Table 8-7 Planned Multi Use Routes.....	8-16
Figure 8-1 – Chico Area Bike Map	8-17
Bikeway Funding Sources.....	8-19

**CHAPTER 9
INTELLIGENT TRANSPORTATION SYSTEMS**

Background.....	9-1
Purpose and Need	9-2
ITS Development	9-2
Transportation Systems Management (TSM).....	9-3
Purpose and Need	9-3
TSM & TDM Strategies	9-4
Previously Programmed and Funded Projects	9-8
RTP Planned Improvements	9-8

**CHAPTER 10
AVIATION**

Background.....	10-1
Regional Overview	10-1
Air Passenger Forecasts and Trends.....	10-4
Table 10-1 Existing and Projected Passengers and Operations	10-4
Table 10-2 Eleven Year Scheduled Passenger Activity Report for Chico Municipal Airport 1996-2006	10-5
Air Cargo Demand Forecasts and Trends.....	10-5
General Aviation Demand Forecasts and Trends	10-6
Table 10-3 Chico Municipal Airport – Forecast Aircraft Operations.....	10-6
Capacity Analysis.....	10-7

**BUTTE COUNTY
2008 REGIONAL TRANSPORTATION PLAN
TABLE OF CONTENTS - Continued**

Aviation Action Plan – Planned Improvements.....10-8
Table 10-4 –Capital Improvement Program (2008-2017) by Airport.....10-8
California Aviation System Plan (CASP) – Enhancements and Needs10-9
Table 10-5 – CASP - Enhancements and Needs10-9
Figure 10-1 – Caltrans Division of Aeronautics – Airport Summary (Chico)10-10
Figure 10-2 – Caltrans Division of Aeronautics – Airport Summary (Oroville)10-11

**CHAPTER 11
RAIL**

Background11-1
Existing Rail Services11-1
Rail Service Needs and Assessment11-1
Figure 11-1 – Passenger Rail Service Map11-2
Grade Crossings11-4
Rail Action Plan11-4

**CHAPTER 12
GOODS MOVEMENT**

Background12-1
Goods Transport12-1
Figure 12-1 – Freight Rail Map.....12-2
Table 12-1 – Chico Municipal Airport (Air Cargo).....12-3
Table 12-2 – Chico Municipal Airport (Air Cargo Aircraft Departures).....12-3
Table 12-3 – Major Water Suppliers in Butte County12-4
Goods Movement Assessment12-5
Figure 12-2 – Petroleum Pipelines12-6
Figure 12-3 – Natural Gas Pipelines12-7
Transportation of Hazardous Waste.....12-8
Rail-Motor Vehicle Conflicts12-8
Goods Movement Action Plan.....12-8

**BUTTE COUNTY
2008 REGIONAL TRANSPORTATION PLAN
TABLE OF CONTENTS - Continued**

FINANCIAL ELEMENT

**CHAPTER 13
Financial Element**

Background	13-1
Financial Assumptions	13-1
Current Funding Sources and Projected Revenues and Expenditures	13-1
Table 13-1 – Federal Funding Sources	13-2
Table 13-2 – Federal Funding Sources - Projected Revenues.....	13-3
Table 13-3 – State Funding Sources.....	13-7
Table 13-4 – State Funding Sources – Projected Revenues.....	13-7
Maintaining the Transportation System in Butte County.....	13-11
Table 13-5 – Functional Classification for Federal Aid System	13-12
Table 13-6 – 2006 Highway Performance Monitory System – Butte County	
Maintained Miles	13-12
Table 13-5 – Summary of Revenues by Agency	13-13
Other Funding Sources	13-15

APPENDICIES

Appendix 1 – Air Quality Conformity Analysis and Determination

Appendix 2 – Environmental Documentation (Under development) – See BCAG website for additional information

Appendix 3 – Public Involvement Documentation

Appendix 4 – Comments Received

Appendix 5 – Caltrans RTP Checklist