



AGENDA

Butte County Association of Governments Interagency Consultation Review Meeting

Conference Call
2580 Sierra Sunrise Terrace, Suite 100, Chico CA
(530) 879-2468

***Thursday *** – July 31, 2008 – 3:30 P.M.

INTRODUCTIONS

All

AIR QUALITY CONFORMITY DETERMINATION

Brian Lasagna

2008 BUTTE COUNTY RTP

Emissions Analysis (Ozone, CO)

Conformity Analysis Years

Emissions Model

Planning Assumptions

Project Exemptions

COMMENTS

ALL

FOLLOW UPS

ALL

SCHEDULE FOR NEXT MEETING

Brian Lasagna



BUTTE COUNTY ASSOCIATION of GOVERNMENTS

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MEMORANDUM

DATE: July 21, 2008

TO: Interagency Consultation Review Group

FROM: Brian Lasagna, Associate Planner

SUBJECT: **Air Quality Conformity Determination – 2008 Butte County Regional Transportation Plan**

Discussion:

Butte County is designated “basic subpart 1 non-attainment” under the new Federal 8-hour Ozone standard. Further, the City of Chico Urbanized Area is currently a “maintenance” area for Carbon Monoxide (CO). Because of these designations, the Butte County Association of Governments (BCAG) is required to perform an air quality conformity determination for its Regional Transportation Plan (RTP).

BCAG is currently in the process of updating its 2008 RTP and thus will be performing a conformity determination as required. The purpose of this letter is to confirm, via the interagency consultation process, that the procedures that BCAG proposes to use for its conformity determination are appropriate for use in the conformity determination for our region. We can discuss this information at our Interagency Consultation Review Meeting scheduled for **July 31st, 2008 at 3:30 PM.**

Requested Action:

Please confirm that the following components of BCAG’s conformity determination for its 2008 RTP are appropriate for use in our region.

OZONE

- BCAG will be required to perform a conformity determination for the Federal 8-hour ozone standard. BCAG proposes to use the “no-greater-than-2002” test for the Federal 8-hour standard. This is the same test that was used by BCAG in previous ozone conformity determinations for the 2004 RTP, 2007 Federal Transportation Improvement Program (FTIP), and all subsequent formal revisions.
 - For the “no-greater-than-2002” test, the 2002 emissions estimates for ROG and NO_x will be the same as those used in the previous ozone conformity determinations. Because BCAG does not have an adopted maintenance plan for ozone, these 2002 emissions estimates will be taken directly from BCAG’s 2009 FTIP, adopted July 24, 2008, which represents the most current document for which these estimates are available.

CARBON MONOXIDE

- A budget test will be used for CO. BCAG will be using the 80 tons-per-day budget as specified in the *2004 Revision to the California State Implementation Plan for Carbon Monoxide*.

ANALYSIS YEARS

- BCAG is proposing to use the following conformity analysis years:
 - 2008 – Base year of RTP
 - 2010 – No greater than five years from RTP adoption year
 - 2018 – CO maintenance year (new 80 tons-per-day budget)
 - 2025 – Milestone year no more than 10 years from last analysis
 - 2035 – Horizon year of the long-range RTP

EMISSIONS MODEL

- The emissions model to be used for the conformity tests will be EMFAC 2007 V2.3.
- Veering from the past, BCAG will be running the emissions model in-house instead of having Caltrans' Transportation System Information Department run the emissions model for us. BCAG is proposing to follow the methodology outlined in the California Air Resources Board (CARB) document *Recommended Methods of Use of EMFAC2002 to Develop Motor Vehicle Emissions and Assess Conformity*. This methodology has not been updated for EMFAC 2007, but remains applicable.

PLANNING ASSUMPTIONS

- The latest planning assumptions used in the transportation model validation and conformity analysis are summarized in Table 1 below.

PROJECT EXEMPTIONS

- Table 2 specifically identifies the projects exempt from conformity requirement. The Table identifies the CTIPS code for exempt projects which correspond to the reason for exemption.

Table 1
Summary of Latest Planning Assumptions for the BCAG Conformity Analysis

Assumption	Year and Source of Data (MPO Action)	Modeling	Next Scheduled Update
Population	Base Year: DOF 2006 Projections: based on the BCAG adopted Butte Regional Growth Projections 2006-2030 and extrapolated to 2035, the horizon year of the RTP.	Included in developing 2008 BCAG regional transportation model and future land use allocations.	Next update to population forecasts is anticipated to be in 2009.
Employment	Base Year: 2002 ABI jobs data Projections: based on the BCAG adopted Butte Regional Growth Projections 2006-2030 and extrapolated to 2035, the horizon year of the RTP.	Included in developing 2008 BCAG regional transportation model and future land use allocations.	Next update to employment forecasts is anticipated to be in 2009.
Traffic Counts	Base Year: 2006 The transportation model was validated to the base year using year 2006 traffic counts collected by Caltrans, local jurisdictions, and BCAG.	2008 BCAG regional transportation model was validated using these counts.	Traffic counts are updated every 3 years, if funds are available.
Vehicle Miles of Travel	The transportation model was validated in 2008 to the 2006 base year.	TransCAD V4.8 is the model used to estimate VMT for the BCAG regional transportation model.	VMT is an output of the transportation model; VMT is affected by the RTP/FTIP project updates and is included in each new conformity analysis.
Speeds	The transportation model uses industry-standard volume delay curves. Baseline speeds are set according to posted speeds and the speeds are sensitive to the amount of traffic on the roadway segments.	TransCAD v4.8 and EMFAC 2007 V2.3	Posted speeds will be updated in the next transportation model validation, which has yet to be determined.
Vehicle Registration	EMFAC 2007 is the most recent model for use in California conformity analysis. Vehicle registration is included by ARB in the model and cannot be updated by the user.	EMFAC 2007 V2.3	The next update is scheduled to occur in 2010.

BCAG Exempt Project Listing

(costs in thousands)

<u>AGENCY</u>	<u>MPO ID</u>	<u>Ctips ID</u>	<u>Title</u>	<u>Proj Description</u>	<u>Tot Proj Cost</u>	<u>Exemption Description</u>	<u>Exemption Code</u>
Biggs, City of	08RTP5-12	10200000137	Pedestrian and Bikeway Intermodal sys. Phase 2	TE Project In the City of Biggs in Butte Co. On Aleut Street , Bannock Street, Third Street, Fourth Street and E Street. Installation of Sidewalks, curbs & gutters.	319	Bicycle and pedestrian facilities.	3.02
Butte County	08RTP5-12	20200000056	Local HBRR - Lump Sum	Local Bridge lump sum grouping. All projects are exempt from AQ Conformity. Bridge No: (12C0376, 12C0120, 12C0180, 12C0234, 12C0244, 12C0292, 12C0341) See MPO Notes for locations	28,321	Widening narrow pavements or reconstructing bridges (no additional travel lanes).	1.19
Butte County	08RTP5-12	20200000062	Butte County Safe Routes To Schools	Butte County SRTS Project. Golden Hills & Helen Wilcox Elementary Schools Neighborhood Pedestrain Improvements.	291	Bicycle and pedestrian facilities.	3.02
Butte County Association of Governments	08RTP5-12	10200000020	Plan, program and monitor	Plan, program and monitor	704	Specific activities which do not involve or lead directly to construction.	4.01
Butte County Association of Governments	08RTP5-12	20200000005	FTA Sec. 5307 Program - B - Line	Butte Regional Transit. Chico UZA Area. Operations and Capital	39,276	Operating assistance to transit agencies.	2.01
Butte County Association of Governments	08RTP5-12	20200000008	FTA Sec 5311 Program	B - Line (Butte Regional Transit) Operations and Capital	17,564	Operating assistance to transit agencies.	2.01
Butte County Association of Governments	08RTP5-12	20200000047	SR 70 @ Georgia Pacific Way Interchange	Planning and Technical studies for interchange project at SR 70 @ Georgia Pacific Way in Oroville. Project approved in SAFETY-LU.	1,947	Specific activities which do not involve or lead directly to construction.	4.01
Butte County Association of Governments	08RTP5-12	20200000060	Butte 99 Chico Aux Lanes/Intersection Phase 2	Chico, On SR 99 at East 1st Ave. Widen ramp at E.1st Ave. & construct intersection improvements (Phase 2)	39,520	Widening narrow pavements or reconstructing bridges (no additional travel lanes).	1.19
Butte County Association of Governments	08RTP5-12	20200000063	B Line Farebox Project - Phase 2	Butte Regional Transit - Purchase and install farebox system on paratransit fleet	220	Purchase of operating equipment for vehicles (e.g. radios, fareboxes, lifts, etc.).	2.05
Butte County Association of Governments	08RTP5-13	10200000118	FH 171 Reconstruction Project - Phase 1	In Butte County - on Forest Highway 171 (Upper Skyway) between Inskip and Butte Meadows - Reconstruct existing roadway. Phase 1 entails construction between Inskip and Humbug Rd.	12,223	Pavement resurfacing and/or rehabilitation.	1.10
Butte County Association of Governments	08RTP5-13	20200000072	FH 171 Reconstruction Project - Phase 2	In Butte County on Forest Highway 171 (Upper Skyway) between Inskip and BUtte Meadows Reconstruct existing roadway. Phase 2 is for Humbug to Butte Meadows	10,130	Pavement resurfacing and/or rehabilitation.	1.10
Caltrans	08RTP5-12	10200000065	Butte 99 Gridley Oper. Imprvmnts	Gridley, on Route 99 from Gridley Road to Spruce Street. Operational Improvements - add median.	6,520	Adding medians.	1.16
Caltrans	08RTP5-12	10200000112	SHOPP Roadway Preservation Lump Sum	Lump Sum: SR 99 Near Biggs - Rio Bonito to SR 162 - Rehabilitate Roadway. Project is exempt from conformity	29,514	Pavement resurfacing and/or rehabilitation.	1.10
Caltrans	08RTP5-12	20200000059	Butte SR 70 Passing Lane Project	Near East Gridley Rd in Butte County. Construct passing lanes from 0.7 mile south of East Gridley Rd to 0.4 mile north of Cox Lane..	23,000	Widening narrow pavements or reconstructing bridges (no additional travel lanes).	1.19
Caltrans	08RTP5-13	10200000136	SHOPP Bridge Preservation Grouped Projects	Near Oroville and Chico- Bridges #12-0141R/L and on SR 162 @ Bridge #12-0031 ; . At West Branch Fthr River Br. #12-134 Seismic Rtrofit. SR 99 @ Butte Cr Bridge #12-0126R Scour Mitigation	45,484	Safety Improvement Program.	1.06
Caltrans	08RTP5-14	20200000053	SHOPP Collision Reduction Lump Sum	EA 4E130 SR 70 Near Oroville. 1 mile south of SR 162 to .1 mi north of Garden Drive. Upgrade guardrail and gore areas.. Project also includes \$2million of OTS funds).	20,696	Guardrails, median barriers, crash cushions.	1.09
Chico, City of	08RTP5-12	20200000051	SR 99 @ Skyway Interchange	In the City of Chico. CMAQ operational improvements to reconfigure interchange and improve travel flow.	5,000	Interchange reconfiguration projects.	5.04
Chico, City of	08RTP5-12	20200000065	SR 99 Cohasset Interchange Operational Improvement	In the City of Chico, project constructs a direct on-ramp from EB Cohasset Rd to Southbound SR 99 and removes the existing left turn movements at Cohasset Rd. Project reconfigures interchange.	10,450	Interchange reconfiguration projects.	5.04
Chico, City of	08RTP5-12	20200000069	SR 99 Eaton Rd Signalization Project	In the City of Chico at Eaton Rd. Installation of traffic signals and ramp improvements at east and west on/off ramps. Project also completes PSR ,PA&ED of ultimate project of replacing interchange	2,348	Intersection signalization projects at individual intersections.	5.02

<u>AGENCY</u>	<u>MPO ID</u>	<u>Ctips ID</u>	<u>Title</u>	<u>Proj Description</u>	<u>Tot Proj Cost</u>	<u>Exemption Description</u>	<u>Exemption Code</u>
Chico, City of	08RTP5-12	20200000071	Bidwell Park Middle Trail Rehabilitation Project	Rehabilitation of Middle Trail in Upper Bidwell Park. 3.3 miles of trail rehab with new signs at Horseshoe Lake and Middle Trail heads; 710' of new ADA access	233	Bicycle and pedestrian facilities.	3.02
Chico, City of	08RTP5-13	20200000064	SR 99 Corridor Bikeway Project	In the City of Chico thru the urbanized area construct class 1 and class 2 bikeway from south Chico at Southgate Avenue to North Chico at Hicks Lane along SR 99 Corridor including local streets.	1,500	Bicycle and pedestrian facilities.	3.02
Oroville, City of	08RTP5-12	10200000126	SR 70 and Montgomery Street Beautification Project	TE Project in the City of Oroville, on and Off ramps at Rte 70 and Montgomery St. Install landscaping, curb and gutter, sidewalks. Phase 2	400	Plantings, landscaping, etc.	4.09
Oroville, City of	08RTP5-14	20200000052	Spencer Ave B-Line Transit Center Project	In the City of Oroville. Develop transit center improvements on Spencer Ave. Includes new structure and needed roadway improvements.	2,158	Bus terminals and transfer points.	5.06
Paradise, City of	08RTP5-12	20200000061	Paradise 3 E's - Safe Routes to Schools	Town of Paradise 3 E's. This is a non construction project for Education, Encouragement and Enforcement for the Town's Safe Routes to Schools Program.	66	Specific activities which do not involve or lead directly to construction.	4.01
Paradise, City of	08RTP5-12	20200000068	Pearson Rd Park and Ride Project	Between Almond Street and Black Olive. Construct park and ride lot, bus shelter, bike racks and other amenities to provide alternative to SOV and reduce vehicle emissions.	223	Bus terminals and transfer points.	5.06
Paradise, City of	08RTP5-13	20200000067	Pearson and Recreation Drive Signalization Project	Signalize intersection and add pedestrian and bicycle lane improvements. Project limits Pearson Rd 1500 feet in each direction, Recreation and Churchill Drive 500 feet each direction.	1,425	Intersection signalization projects at individual intersections.	5.02
Various Agencies	08RTP5-12	20200000024	FTA 5310	Capital competitive grant - Lump Sum item. Includes Work Training Center and Paradise Express. Funds for capital costs.	2,418	Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet.	2.10
Various Agencies	08RTP5-12	20200000070	Butte County HSIP Lump Sum	Highway Safety Improvement Program (HSIP) - Safety index projects. Butte County on Lincoln Blvd from Elgin St to Arnold and Oroville at IC of SR 162 and Veatch St. See MPO comments for description	1,363	Safety Improvement Program.	1.06