

## STAFF REPORT

**SUBJECT:** Regional Transportation Plan and Clean Air Plan

**MEETING DATE:** March 16, 2006

**AGENDA ITEM:** 7A

**STAFF CONTACT:** Michael Powers

### RECOMMENDATION:

Approve contract with Dowling Associates Inc. for \$16,735 for technical support services for 2007 Clean Air Plan and 2006 Regional Transportation Plan

### DISCUSSION:

SBCAG has a long standing agreement with the APCD to prepare the mobile source emissions forecasts and control strategy for the APCD Clean Air Plan. Over time staff developed a specialized expertise to perform this task. This expertise was also used to conduct the air quality analysis of our transportation plan and program. However, loss of staff with this specialized knowledge requires SBCAG to seek technical support. Therefore, consulting assistance support is recommended to fulfill SBCAG previous commitments to prepare mobile source emissions forecast for Clean Air Plan and prepare the air quality analysis for the SBCAG Regional Transportation Plan update. Staff attempted to obtain training from other agencies but this did not materialize. Therefore, staff recommends SBCAG contract out this service for technical support and training at this time so staff receives the appropriate training and this consultant support is not required in the future.

Staff recommends that the SBCAG Board authorize approval of a contract with Dowling and Associates, Inc. Sufficient funds exist in the Professional and Special Services Account of the SBCAG FY 05-06 budget; therefore, no additional appropriations are required.

### COMMITTEE REVIEW:

None

### ATTACHMENTS:

Contract

Member Agencies

Buellton ■ Carpinteria ■ Goleta ■ Guadalupe ■ Lompoc ■ Santa Barbara ■ Santa Maria ■ Solvang ■ Santa Barbara County

**AGREEMENT BETWEEN**  
**THE SANTA BARBARA COUNTY ASSOCIATION OF GOVERNMENTS**  
**AND**  
**DOWLING ASSOCIATES, INC.**  
**FOR**  
**PROFESSIONAL AND TECHNICAL SERVICES**

THIS AGREEMENT, entered into by the Santa Barbara County Association of Governments (hereinafter referred to as SBCAG) and Dowling Associates, Inc. (hereinafter referred to as CONTRACTOR).

WITNESSETH THAT:

WHEREAS, SBCAG desires to engage CONTRACTOR to render professional and technical services in the development of the 2007 Clean Air Plan and 2006 Regional Transportation Plan Environmental Impact Report for Santa Barbara County;

WHEREAS, CONTRACTOR has demonstrated its qualifications and willingness to provide the services and undertake the work hereinafter described:

NOW, THEREFORE, the parties do mutually agree as follows:

**Article 1 - Statement of Work**

CONTRACTOR shall do, perform and conduct in a satisfactory manner, as determined by SBCAG, the services set forth in Appendix A, Scope of Work, of this agreement and in accordance with CONTRACTOR'S proposal dated February 27, 2006. Appendix A is attached hereto and by reference incorporated herein and made part of this Agreement. CONTRACTOR'S proposal is incorporated by reference.

**Article 2 - Time of Performance**

The services of CONTRACTOR are to commence after this Agreement has been executed and notice to proceed has been issued to CONTRACTOR by SBCAG. All work described herein shall be completed within twelve (15) months from the date of the notice to proceed.

**Article 3 - Personnel**

CONTRACTOR represents that it employs, or will employ at its own expense, the personnel required to perform the services under this Agreement. CONTRACTOR specifies that the Principal in charge shall be Richard Dowling and Project Manager shall be Jim Damkowitch and

CONTRACTOR staff assignments listed in the CONTRACTOR'S proposal dated February 27, 2006 shall not be changed without the prior written consent of SBCAG.

#### **Article 4 - Compensation**

CONTRACTOR agrees to perform for the benefit of SBCAG all of the services set forth and described in Appendix A of the Agreement. For the performance of the services, SBCAG agrees to pay CONTRACTOR in accordance with the compensation set forth in Appendix A, is attached hereto and by reference incorporated herein and made part of this Agreement. Total compensation for direct costs paid by SBCAG to CONTRACTOR shall not exceed \$16,735. Said compensation includes all costs for direct and indirect labor charges, expenses, overhead, fee and profit, as well as any work that is subcontracted. Costs will be reimbursed on a time and materials basis.

#### **Article 5 - Payment**

Payments made under this agreement shall be in arrears and invoices may be submitted at such intervals as CONTRACTOR deems practical, but not more frequently than once a month. Invoice amounts shall not exceed actual costs incurred by CONTRACTOR and shall be in proportion to the amount of work completed. Invoices submitted by CONTRACTOR shall include a brief progress report. SBCAG shall reimburse CONTRACTOR within thirty (30) days of receipt of an acceptable invoice. No more than 90% of the proposed price shall be paid until completion of the entire study.

#### **Article 6 - Reports**

Upon completion of all services, CONTRACTOR shall submit to SBCAG a final report in the form of a letter certifying completion of all the tasks set forth and described in Appendix A of this Agreement.

#### **Article 7 - Subcontractors**

Subcontractors eligible to work on this project include only those subcontractors listed in the CONTRACTOR'S proposal dated February 27, 2006 and shall not be changed without the prior written consent of SBCAG.

#### **Article 8 - Insurance**

CONTRACTOR shall procure and maintain the following required insurance coverage during performance of this agreement:

- a. Workers' Compensation Insurance with an insurance company acceptable to SBCAG. Statutory Workers' Compensation and employer's Liability Insurance, with limits of at least One Million (\$1,000,000), shall cover all employees while performing any work incidental to the performance of this agreement.

General and Automobile Liability Insurance with an insurance company or companies acceptable to SBCAG. General Liability Insurance shall include personal injury liability with employee exclusion (c) deleted and shall afford coverage for all premises and operations of the CONTRACTOR and/or agents or subcontractors of CONTRACTOR. Automobile Liability Insurance shall cover all non-owned motor vehicles, which are operated on behalf of CONTRACTOR pursuant to activities hereunder. SBCAG, its officers, employees and agents shall be named as additional insured. The limit of liability of said policy or policies for general and automobile liability shall be at least One Million Dollars (\$1,000,000) per occurrence combined single limit for bodily injury and property damage. Personal injury coverage shall also be in the amount of at least One Million Dollars (\$1,000,000) per person aggregate. Said policy or policies shall contain a provision or endorsement that the insurance as is afforded by this policy shall be primary and contributory to the full limits stated in the declarations, and if SBCAG has other valid and collectible insurance for a loss covered by the policy, that other insurance shall be excess only.

Current certificates for required insurance shall be maintained at all times during performance of this Agreement in the SBCAG office as a condition precedent to payment by SBCAG under this Agreement. Failure to comply with the insurance requirements shall place CONTRACTOR in default. Upon request by SBCAG, CONTRACTOR shall provide certified copies of any insurance policies to SBCAG within ten (10) working days. The policies of insurance shall provide that no cancellation, major change in coverage, or expiration shall be effective or occur until at least THIRTY (30) days after receipt of such notice by SBCAG.

#### **Article 9 - Responsibility for Claims and Liabilities**

CONTRACTOR shall defend, at its sole expense, any claim or suit against the SBCAG, their subsidiaries, and their officials alleging injury or loss (including without limitation bodily injury, death, personal injury or property damage) directly resulting from the negligent acts or omissions of CONTRACTOR, its employees or SUBCONTRACTORS in the course of CONTRACTOR'S performance hereunder (and without any contributory or collateral negligence on the part of the above named entities, their subsidiaries, officials, contractors, agents or volunteers) and CONTRACTOR shall pay all costs (including reasonable legal costs) and damages finally awarded; provided that CONTRACTOR is given prompt written notice of such claim or suit and, further, that CONTRACTOR shall be given necessary information, reasonable assistance, and the sole authority to defend or settle such claim or suit.

#### **Article 10 - Assignability**

Without the written consent of SBCAG, this agreement is not assignable by contract either in whole or in part.

#### **Article 11 - Termination of Contract for Cause**

If, through any cause, CONTRACTOR shall fail to fulfill in a timely and proper manner its obligations under this contract, or if CONTRACTOR violates any of the covenants, agreements, or stipulations of this Agreement and fails to cure or correct such failure or violation within 15 days of written notice of the same, SBCAG shall thereupon have the right to terminate this contract by giving written notice to CONTRACTOR of such termination and specifying the

effective date thereof, at least five (5) days before the effective date of such termination. In that event, all finished and unfinished documents, data, studies, and reports prepared by CONTRACTOR shall, at the option of SBCAG, become its property, and CONTRACTOR shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials.

Notwithstanding the above, CONTRACTOR shall not be relieved of liability to SBCAG for damages sustained by SBCAG by virtue of any breach of the contract by CONTRACTOR.

#### **Article 12 - Termination of Contract for Convenience**

SBCAG may terminate this contract at any time by giving written notice to CONTRACTOR of such termination. The date of termination shall be the date of notice of termination. In that event, all finished or unfinished documents and other materials shall, at the option of SBCAG, become its property. If the contract is terminated by SBCAG as provided herein, CONTRACTOR shall be paid an amount which bears the same ratio to the total compensation as the services actually performed bear to the total services of CONTRACTOR covered by this contract, less payments of compensation previously made.

#### **Article 13 - Contract Changes**

SBCAG may, from time to time, require changes in the scope of the services CONTRACTOR is to perform or changes in other Articles of this Agreement, including any increases or decreases in the amount of CONTRACTOR'S compensation. Such changes which are mutually agreed upon by and between SBCAG and CONTRACTOR shall be incorporated in written amendments to this contract. No oral understanding or agreement not incorporated herein shall be binding on any of the parties hereto. Amendments inconsistent with the provisions and intent of this Agreement may not be utilized.

#### **Article 14 - Access to Records**

CONTRACTOR agrees to maintain all books, documents, papers, accounting records, and other evidence pertaining to costs incurred including support data for cost proposals and to make such material available at their respective offices at all reasonable times during the contract period, and for four (4) years from the date of final payment under the contract, for inspection by any authorized representative of SBCAG. Copies of such material shall be furnished if requested.

#### **Article 15 - Contractor Warranty**

CONTRACTOR warrants that he has not employed or retained any company or persons, other than a bona fide employee working solely for CONTRACTOR, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than a bona fide employee working solely for CONTRACTOR, any fee, commission, percentage, brokerage fee, gifts, or other consideration, contingent upon or resulting from the award or making of this contract. For breach or violation of this warranty, SBCAG shall have the right to annul this

contract without liability, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, and gift or contingent fee.

## **Article 16 - Equal Employment Opportunity and Nondiscrimination**

CONTRACTOR shall comply with Title VI of the Civil Rights Act of 1964, as amended, and with the provisions contained in 49 CFR 21 through Appendix C and 23 CFR 710.405(b). During the performance of this Agreement, the CONTRACTOR, for itself, its assignees and successors in interest agrees as follows:

A. Compliance with Regulations: CONTRACTOR shall comply with the regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

B. Nondiscrimination: The CONTRACTOR or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The CONTRACTOR shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as recipient deems appropriate. CONTRACTOR, with regard to the work performed by it during the agreement, shall not discriminate on the grounds of race, religion, color, sex, age or national origin in the selection or retention of subcontractors, including procurement of materials and leases of equipment. CONTRACTOR shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the regulations.

C. Solicitations for Subcontractors, including Procurement of Materials and Equipment: In all solicitations either by competitive bidding or negotiations made by CONTRACTOR for work to be performed under the subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by CONTRACTOR of CONTRACTOR'S obligations under this agreement, and the Regulations relative to nondiscrimination on the grounds of race, religion, color, sex, age or national origin.

D. Information and Reports: CONTRACTOR shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by SBCAG to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a CONTRACTOR is in the exclusive possession of another who fails or refuses to furnish this information, CONTRACTOR shall so certify to SBCAG, and shall set forth what efforts it has made to obtain the information.

E. Sanctions for Noncompliance: In the event of CONTRACTOR's noncompliance with the nondiscrimination provisions of this Agreement, SBCAG shall impose such contract sanctions as it may determine to be appropriate, including, but not limited to:

1. Withholding of payments to CONTRACTOR under this Agreement until CONTRACTOR complies, and/or

2. Cancellation, termination or suspension of the Agreement in whole or in part.

F. Satisfactory Performance: The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 10 days from the receipt of each payment the prime contractor receives from SBCAG. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of SBCAG. This clause applies to both DBE and non-DBE subcontractors.

G. Prompt Payment

Prompt Progress Payment to Subcontractors

A prime contractor or subcontractor shall pay to any subcontractor not later than 10 days of receipt of each progress payment in accordance with provisions in Section 7108.5 of the California Business and Professions Code concerning prompt payment to subcontractors. The 10 days is applicable unless a longer period is agreed to in writing. Any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of Section 7108.5 shall subject the violating contractor or subcontractor to the penalties, sanctions, and other remedies of that section. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the contractor or subcontractor in the event of a dispute involving late payment, or nonpayment by the contractor, or deficient subcontractor performance, or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors.

Prompt Payment Of Withheld To Subcontractors

The agency shall hold retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the agency of the contract work and pay retainage to the prime contractor based on these acceptances. The prime contractor or subcontractor shall return all monies withheld in retention from all subcontractors within 30 days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the agency. Any delay or postponement of payment may take place only for good cause and with the agency's prior written approval. Any violation of these provisions shall subject the violating contractor or subcontractor to the penalties, sanctions, and other remedies specified in Section 7108.5 of the California Business and Professions Code. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime contractor or subcontractor in the event of a dispute involving late payment, or nonpayment by the contractor, or deficient subcontractors performance, or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors.

H. Incorporation of Provisions: The Consultant shall include the provisions of Article 16 (A) through (G) of this Agreement term in every subcontract, including procurement of materials and leases of equipment, unless exempt from the regulations, or directives issued pursuant thereto. CONTRACTOR shall take such action with respect to any subcontract or procurement as SBCAG may direct as a means of enforcing such provisions including sanctions for noncompliance. However, in the event CONTRACTOR becomes involved in, or is threatened

with, litigation with a subcontractor or supplier as a result of such direction, CONTRACTOR may request SBCAG to enter into such litigation to protect the interests of SBCAG, and in addition, CONTRACTOR may request the United States to enter into such litigation to protect the interests of the United States.

**Article 17 – Ownership of Documents and Data**

All documents, a record, software, reports, or other data developed by CONTRACTOR shall become the property of SBCAG when prepared, whether delivered to SBCAG or not.

**Article 18 – Severability**

In the event that any of the provisions, or portions or applications thereof of this Agreement are held to be unenforceable or invalid by any court of competent jurisdiction, SBCAG and CONSULTANT shall negotiate an equitable adjustment in the provisions of this Agreement, and the validity and enforceability of the remaining provisions or portions or applications thereof shall not be affected thereby.

**Article 19 – Notices**

Any notices required or permitted to be given pursuant to this agreement shall be given to the following:

<b>To:</b>	<b>SBCAG:</b>	Santa Barbara County Association of Governments 260 N. San Antonio Rd., Ste. B Santa Barbara, CA 93110-1315 Attention: Jim Kemp, Executive Director
<b>To:</b>	<b>CONTRACTOR:</b>	Dowling Associates Inc. Suite 500 428 J Street Sacramento, CA. 95814

IN WITNESS WHEREOF, SBCAG and CONTRACTOR have executed this agreement:

SANTA BARBARA COUNTY  
ASSOCIATION OF GOVERNMENTS

DOWLING ASSOCIATES, INC.

\_\_\_\_\_  
Chair, SBCAG

\_\_\_\_\_  
(Consultant)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jim Kemp, Executive Director

\_\_\_\_\_  
Date

APPROVED AS TO FORM:

\_\_\_\_\_  
Kevin Ready, Sr.,  
Deputy County Counsel

\_\_\_\_\_  
Date

## **APPENDIX A**

TECHNICAL SUPPORT SERVICES FOR:

- 1) 2007 CLEAN AIR PLAN
- 2) REGIONAL TRANSPORTATION PLAN

**Proposal for:**

**Technical Support Services For:**

- 1) 2007 Clean Air Plan**
- 2) 2006 Regional Transportation Plan**

**Prepared for:**

**Santa Barbara County Association of Governments**

Submitted by:

**Dowling Associates, Inc.**

Transportation Engineering • Planning • Research • Education



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Sacramento, CA 95814  
Phone: (916) 266-2190 Fax: (916) 266-2195  
[www.dowlinginc.com](http://www.dowlinginc.com)  
Contact: Jim Damkowitz

February 27, 2006

## **TASK 1. Technical Support Services for 2007 Clean Air Plan**

### Introduction and Approach

Dowling Associates, Inc. is uniquely poised to deliver transportation-air quality planning and analysis products in an expedited fashion as needed for the development of the 2007 Clean Air Plan for Santa Barbara County. Mr. Jim Damkowitch will serve as our project manager on this project. Jim has 15 years of transportation – air quality planning and modeling experience and 13 years of experience specifically in the Santa Barbara area. Jim has personally been responsible for translating transportation and air quality modeling output into results suitable for air quality analysis and project alternatives analysis. This continuity of staff resources, knowledge base and effort provides greater opportunity for an expedited schedule of deliverables – including an early start date if desired.

### Project Management

Project management of staff resources, typical contract maintenance activities, management of the following 9 work tasks, quality control and client responsiveness activities are all covered under this heading.

**Dr. Richard Dowling P.E.** will act as Principal-In-Charge, ensuring the delivery of high quality services and products on all projects undertaken by the firm. Rick will be responsible for ensuring that the needed firm resources are committed to the project to ensure timely delivery of all products. Dowling Associates actively incorporates a Quality Assurance Program into its projects.

**Mr. Jim Damkowitch** will function as project manager and primary staff person for this project. Mr. Damkowitch will be working from the Sacramento office. He will be responsible for all aspects of the project including: analysis, preparation of deliverables, project oversight, monitoring timely performance and quality assurance. As a staff member for the Santa Barbara County Association of Governments, Mr. Damkowitch developed the Transportation Control Measure portions of the 1993 Rate of Progress Plan, 1994 Clean Air Plan, 1998 Clean Air Plan, 2002 Clean Air Plan and the 2004 Clean Air Plan. He also developed the on-road mobile source emission planning inventories and future emissions estimates for each of these plans. As such, Mr. Damkowitch is very familiar with past transportation-air quality work and has a working knowledgeable of the federal 1990 Clean Air Amendments and the 1988 California Clean Air Act planning mandates as applied in Santa Barbara County.

Mr. Damkowitch is familiar with the transportation – air quality planning process established by the SBAPCD and SBCAG. This process, outlined in the inter-agency MOU between SBCAG and the SBAPCD and SBAPCD Rule 701 - follows the federal inter-agency consultation process established during the time when this federal regulation applied to Santa Barbara County.

### Task 1.1 TCM Development

Dowling Associates will provide technical assistance to SBCAG staff on its review and consideration of past TCM measures as well on TCM measures that are currently proposed for further study in the 2004 CAP.

### **Task 1.2 TCM List of Programs/Projects Review**

After SBCAG has categorized all TCM projects and programs as either: Currently Adopted, Proposed for Adoption, Proposed For Further Study and Proposed For Deletion, Dowling Associates will review and provide input. Dowling Associates will participate if requested in an inter-agency consultation meeting (via conference call) to discuss the merits of each new or For Further Study TCM under consideration. Dowling Associates will review the SBCAG staff report to TTAC on the 2007 CAP TCMs and provide comments prior to TTAC packet mail-out.

### **Task 1.3 TCM Emissions Benefit Analysis Review**

After the TCM list has been finalized, the ROC and NO<sub>x</sub> 1-hour and/or 8-hour control efficiencies and emissions benefits of each of the Currently Adopted and Proposed for Adoption TCM program/projects will be quantified and documented by SBCAG staff. Dowling Associates will provide technical support to SBCAG staff, review and quality control SBCAG's emission benefit estimates.

### **Task 1.4 EMFAC2007 Review**

Dowling Associates will review the "new" EMFAC2007 emissions model and its on-road activity data inputs – specifically the "new" heavy-duty vehicle activity. Dowling Associates will provide a brief written assessment of the advantages and disadvantages of using this model versus EMFAC2002 to SBCAG/SBAPCD.

### **Task 1.5 On-Road Activity – Data Collection and Review**

SBCAG staff will process the travel activity data as generated from SBCAG's travel demand model for the plan base year and for future years (2010, 2015, 2020, 2030) as defined by the SBAPCD. Dowling Associates will provide technical support to SBCAG staff and review SBCAG's final on-road activity data estimates.

### **Task 1.6 Emissions Analysis Review**

All SBCAG generated model results will be reviewed for quality control by Dowling Associates prior to being documented in the draft 2007 CAP.

### **Task 1.7 Post Processing Analysis**

Depending on the final TCM list of measures and whether or not these programs/projects are reflected in the SBCAG model runs, SBCAG staff will perform a post-processing step to reflect the emissions benefit of the TCMs in the emission forecasts may be required. Dowling Associates will provide technical support to SBCAG staff and review SBCAG's final post-processing emission adjustments prior to being documented in the draft 2007 CAP.

### **Task 1.8 Chapter 5 and Chapter 8 Development**

- Dowling Associates will review and provide comments on the administrative draft Chapter 5 prepared by SBCAG staff.

Dowling Associates will also review and provide comments on SBCAG's section of Chapter 8 – State Triennial Progress Report and Plan Revision. This will include the HSC 40717 provisions. Dowling Associates will assist SBCAG staff in its response to comments received on the Draft Chapter 5 and appropriate sections of Chapter 8 by the SBAPCD Community Advisory Council (CAC), and comments received from the reviewing agencies and the public during the 45-day CEQA comment period.

**Task 1.9 Meetings and Public Presentations**

Dowling Associates will participate in informal teleconference meetings (TBD) on an as needed basis. Dowling Associates will participate in inter-agency consultation meetings (TBD) via teleconferencing.

For budgeting purposes, it is assumed that Dowling Associates will attend one of the six TTAC/CAC/SBCAG meetings listed below and one SBAPCD Board meeting as part of this effort.

Meetings

TTAC Meeting	TCM List	March-May, 2006
SBCAG Meeting	TCM List	June, 2006
CAC Meeting	Chapter 5	July 12, 2006
CAC Meeting	Chapter 8	September 13, 2006
CAC Workshop	Draft Plan	March 14, 2006
CAC Meeting	Draft Plan Revisions	April 11, 2006
SBAPCD Board	Draft Plan	May 1, 2006

Schedule

Notice to Proceed	February, 2006
Task 1 TCM Development Review	March, 2006
Task 2 TCM List of Programs/Projects Review	April, 2006
Task 3 TCM Emissions Benefit Review	May, 2006
Task 4 EMFAC2007 Review	May, 2006
Task 5 On-Road Activity Review	May, 2006
Task 6 Emissions Analysis Review	June, 2006
Task 7 Post Processing Analysis Review	June, 2006
Task 8 Draft Chapter 5 & Chapter 8 Development Review	July, 2006
Task 9 Meetings & Public Presentations	July 2006 - April 2007

Task 1. Total Budget

Staff Person Hours: 52

Labor: \$7,695  
Direct Cost \$ 375<sup>1</sup>

TOTAL \$8,070

A detailed estimate of person hours and costs are provided on the following page.

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<sup>1</sup> Includes costs related to phone and travel.

2007 CLEAN AIR PLAN FOR SANTA BARBARA COUNTY

SBCAG

Estimate of Person Hours and Costs

Task	Description Commercial Rate	DOWLING ASSOCIATES						Direct Expense	TOTAL COST
		Rick Dowling \$300.00		Jim Dankowitch \$145.00		Graphics Tech \$77.00			
		Hrs	Cost	Hrs	Cost	Hrs	Cost		
<b>Task 1</b>	<b>TCM Development</b>								
	Review CAP Documentation & 101 In-Motion	0	\$0	1.5	\$218	0	\$0	\$0	\$218
	Review TCM Inventory Development	0	\$0	1.5	\$218	0	\$0	\$0	\$218
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>3</b>	<b>\$435</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$435</b>
<b>Task 2</b>	<b>Finalize TCM List of Programs/Projects</b>								
	Review SBCAG's Proposed TCM List	0	\$0	2	\$290	0	\$0	\$0	\$290
	Inter-agency Meeting	0	\$0	3	\$435	0	\$0	\$0	\$435
	Assistance with TTAC Staff Report	0	\$0	1	\$145	0	\$0	\$0	\$145
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>6</b>	<b>\$870</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$870</b>
<b>Task 3</b>	<b>TCM Emissions Analysis</b>								
	Input and Review of SBCAG's Emission Factors	0	\$0	1	\$145	0	\$0	\$0	\$145
	Input and Review SBCAG's TCM Emissions Benefit Analysis	0	\$0	4	\$580	0	\$0	\$0	\$580
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>5</b>	<b>\$725</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$725</b>
<b>Task 4</b>	<b>EMFAC2007 Review</b>								
	Review Activity Inputs - Compare with EMFAC2002	0	\$0	2	\$290	0	\$0	\$0	\$290
	Perform Model Runs - Sensitivity Analysis	0	\$0	2	\$290	0	\$0	\$0	\$290
	Prepare Technical Memo	0	\$0	2	\$290	0	\$0	\$0	\$290
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>6</b>	<b>\$870</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$870</b>
<b>Task 5</b>	<b>On-Road Activity - Data Collection and Review</b>								
	Review SBCAG's Travel Model Data Processing	0	\$0	4	\$580	0	\$0	\$0	\$580
	Q/C SBCAG's On-Road Activity Data Inputs to BURDEN	0	\$0	2	\$290	0	\$0	\$0	\$290
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>6</b>	<b>\$870</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$870</b>
<b>Task 6</b>	<b>Emissions Analysis</b>								
	Review SBCAG's EMFAC Model Runs	0	\$0	1	\$145	0	\$0	\$0	\$145
	Q/C Results (Re-run model)	0	\$0	2	\$290	0	\$0	\$0	\$290
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>3</b>	<b>\$435</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$435</b>
<b>Task 7</b>	<b>Post Processing Analysis</b>								
	Review SBCAG's Post Processing Analysis	0	\$0	2	\$290	0	\$0	\$0	\$290
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>2</b>	<b>\$290</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$290</b>
<b>Task 8</b>	<b>Chapter 5 and Transportation Portion of Chapter 8</b>								
	Review Admin drafts Chapters & Provide Comments	1	\$300	5	\$725	0	\$0	\$0	\$1,025
	Assist in SBCAG's Response to Comments	0	\$0	8	\$1,160	0	\$0	\$0	\$1,160
	<b>Sub-Total</b>	<b>1</b>	<b>\$300</b>	<b>13</b>	<b>\$1,885</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,185</b>
<b>Task 9</b>	<b>Meetings and Public Presentations</b>								
	Conference Call Meetings	0	\$0	7	\$1,015	0	\$0	\$75	\$1,090
	CAC Meetings / SBAPCD Board Meetings (1 trip to SB)	0	\$0	0	\$0	0	\$0	\$300	\$300
	<b>Sub-Total</b>	<b>0</b>	<b>\$0</b>	<b>7</b>	<b>\$1,015</b>	<b>0</b>	<b>\$0</b>	<b>\$375</b>	<b>\$1,390</b>
	<b>Total Hours/Direct Cost</b>	<b>1</b>	<b>\$300</b>	<b>51</b>	<b>\$7,395</b>	<b>0</b>	<b>\$0</b>	<b>\$375</b>	<b>\$8,070</b>

<b>Final Cost</b>	<b>1</b>	<b>\$300</b>	<b>51</b>	<b>\$7,395</b>	<b>0</b>	<b>\$0</b>	<b>\$375</b>	<b>\$8,070</b>
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**\$8,070**

## **TASK 2. Technical Support Services for 2006 RTP EIR**

### Introduction and Approach

Dowling Associates, Inc. is uniquely poised to deliver transportation-air quality planning and analysis products in an expedited fashion as needed for the development of the 2006 Regional Transportation Plan EIR for Santa Barbara County. Mr. Jim Damkowitch will serve as our project manager on this project. Jim has 15 years of transportation-air quality planning and modeling experience and 13 years of experience specifically in the Santa Barbara area. As a staff member of SBCAG, Jim has personally been responsible for translating transportation and air quality modeling output into results suitable for facility specific operational level of service determinations and regional air quality analysis respectively. This continuity of staff resources, knowledge base and effort provides greater opportunity for an expedited schedule of deliverables – including an early start date if desired.

### Project Management

Project management of staff resources, typical contract maintenance activities, management of the following six work tasks, quality control and client responsiveness activities are all covered under this heading.

**Dr. Richard Dowling P.E.** will act as Principal-In-Charge, ensuring the delivery of high quality services and products on all projects undertaken by the firm. Rick will be responsible for ensuring that the needed firm resources are committed to the project to ensure timely delivery of all products. Dowling Associates actively incorporates a Quality Assurance Program into its projects.

**Mr. Jim Damkowitch** will function as project manager and primary staff person for this project. Mr. Damkowitch will be working from the Sacramento office. He will be responsible for all aspects of the project including: analysis, preparation of deliverables, project oversight, monitoring timely performance and quality assurance. As a staff member for the Santa Barbara County Association of Governments, Mr. Damkowitch developed the future operations (intersection and highway segment) level of service analysis and the air quality analysis for the 1999 Regional Transportation Plan EIR. As such, Mr. Damkowitch is very familiar with past transportation-air quality work performed by SBCAG.

### Task 2.1 Intersection LOS Analysis

Dowling Associates will provide technical assistance to SBCAG staff necessary to allow the 2006 RTP intersection LOS analysis to be finalized i.e., incorporating the results of the 101 In-Motion Study. Dowling Associates will review, QC and provide comments on the analysis and text developed by SBCAG for the EIR.

### Task 2.2 State Highway LOS Analysis

Dowling Associates will provide technical guidance to SBCAG staff necessary to allow the 2006 RTP Highway Segment LOS analysis to be completed i.e., incorporating the results of the 101 In-Motion Study. Dowling Associates will review, QC and provide comments on the analysis and text developed by SBCAG for the EIR.

**Task 2.3 RTP Air Quality Analysis**

SBCAG staff will process the travel activity data as generated from SBCAG’s travel demand model for each of the RTP EIR Alternatives (No-Build, Programmed and Planned). Future year emissions estimates will be developed for 2030 only. SBCAG’s travel activity data for each scenario will be processed for input into the EMFAC emissions model consistent with current SBCAG/APCD modeling convention. Similar to the 1999 RTP EIR, annual emissions estimates will be generated for this analysis. If needed, Dowling Associates will perform a post-processing step to reflect the emissions benefit of TCMs under each EIR alternative.

**Task 2.4 RTP EIR Air Quality Analysis Description**

Dowling Associates will prepare the Air Quality Analysis Section of the 2006 RTP EIR which will describe the methodology and analysis results.

**Task 2.5 RTP EIR LOS and Air Quality Analysis Response to Comments**

Dowling Associates will assist SBCAG staff in its response to comments received on the Draft 2006 RTP EIR from the reviewing agencies and the public during the 45-day CEQA comment period.

**Task 2.6 Meetings and Public Presentations**

Dowling Associates will participate in informal teleconference meetings (TBD) on an as needed basis. For budgeting purposes, it is assumed that Dowling Associates will not require travel to Santa Barbara as part of this project.

Schedule

TBD

Task 2. Total Budget

Staff Person Hours:	52
Labor:	\$8,555
Direct Cost	\$ 100 <sup>2</sup>
TOTAL	\$8,655

A detailed estimate of person hours and costs are provided on the following page.

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<sup>2</sup> Includes costs related to phone and travel.



