

**WORK ELEMENT
2820
CENSUS DATA CENTER**

As the tasks associated with this work element change little year-to-year, progress is assessed by deliverables and ensuring all SBCAG projects consider the most current Census data.

Objectives

- Serve as the Census Data Center for Santa Barbara County for the compilation, analysis and dissemination of year 2020 and 2010 Census and American Community Survey data.
- Prepare demographic and statistical reports for the SBCAG board, SBCAG stakeholders, and the public, and in support of SBCAG's planning and programming activities.
- Analyze and apply American Community Survey (ACS) data in support of SBCAG's transportation planning efforts.

Previous and Ongoing Work

- Dissemination and analysis of data files from Census 2000, Census 2010, and American Community Survey (ACS) data to local jurisdictions, agencies and the general public.
- Integration of new Census and ACS data into SBCAG forecasting model and other planning applications. Coordination with local jurisdictions' General Plan and Housing Element updates in use of Census data.
- Preparation of population estimates for Local Agency Formation Commission (LAFCO), special districts and other geographic areas.
- Coordination with State and regional agencies via State Data Center liaison and meetings. Assist local governments in their Local Update of Census Addresses (LUCA) and coordinate the Participant Statistical Areas Program (PSAP) update and other Census-related activities.
- Regional Growth Forecast, 2019
- Regional Housing Allocation, 2021.
- Census 2020 Summary Report, 2021

Tasks

1. Develop requests, in cooperation with other jurisdictions, for electronic and/or print versions of data from State Census Data Center and U.S. Census Bureau in support of transportation planning. (As needed, approximately one time per month)
2. Develop cost-sharing arrangements, to obtain and process data. (As needed, approximately two times per year)
3. Procure, process, prepare, and distribute Census data, including Transportation Planning Package (transportation-related data compiled by the Census bureau), and Census maps to interested parties to evaluate demographic trends as they relate to travel patterns. (as released by the US Census Bureau)
4. Respond to public requests for census data and interpretation of data as appropriate. Coordinate data collection and distribution with cities, county, and libraries. (As requested, approximately one time per month)
5. Attend annual Census Affiliate Center meeting that facilitates information sharing between federal Census Bureau, State Department of Finance, and regional agencies about U.S. Census products, surveys, and Census research, and plans for data releases, new census programs, data and research issues. (10/2022)

6. Apply Census and socioeconomic data to network travel model and other SBCAG projects to assure accuracy in transportation modeling and planning. (as new data comes available and modeling projects require)
7. Continue to update the SBCAG Census web page with relevant and timely material (e.g., aggregate population data by SBCAG member agency jurisdiction). (as new relevant data is released by the US Census Bureau)
8. Review of the American Community Survey (ACS) Countywide results and city-level data. (as released)
9. Evaluate Census 2020 releases and prepare a summary report highlighting changes of significance in the SBCAG region. (06/2023)
10. Monitor and evaluate the regional disadvantaged communities' definition as new Census data comes available. (Semi-annually)

Products

Staff summary report on the 2020 Census
 Technical assistance on the use of census data

Date

06/2023
 As requested

Staff Time 8.0 person months

Direct Costs

Travel \$ 1,200

Funding

| | | | |
|---------------|-----------------------|----------------------|--------------|
| Total Program | FTA 5303 Carryover | FHWA PL Carryover | TDA Planning |
| \$ 194,000 | \$ 22,442 | \$ 149, 300 | \$ 22, 258 |

Percent of Federal Funding: 88.53%

**WORK ELEMENT
2850
TRAVEL DEMAND FORECASTING and LAND USE MODELING**

Objectives

- Apply the upgraded travel model in cooperation with local agencies to forecast traffic growth, assess demand for roadway improvements, evaluate land use alternatives, evaluate transportation control measures (TCMs), and determine conformity between transportation and air quality plans.
- Develop information for the public and decision-makers on future effects of proposed transportation projects and land use policies on the transportation system.
- Continue to develop technical capabilities to address modeling requirements of SB 375 and RTP Guidelines.
- Update regional vehicle miles travelled (VMT) maps using the new activity-based model.

Previous and Ongoing Work

- Applied the expanded travel model to evaluate various Caltrans corridor transportation alternatives for Highway 101 projects, including U.S. 101 HOV, Corridor Mobility Improvements Account (CMIA), and Corridor Systems Management Plan (CSMP) Projects.
- Completed alternative land use scenario and RTP project performance evaluations in support of Connected 2050 RTP-SCS to assess implications on future travel demand and emissions.
- Delivered sensitivity tests and completed data tables in support of California Air Resources Board's evaluation and acceptance of SCS component.
- Completed update of regional travel demand model to a supra-regional activity-based model (ABM) in partnership with AMBAG and SLOCOG.

Tasks

1. Ongoing staff training on the upgraded travel model (Monthly)
2. Conduct literature review to remain current on modeling trends and other model software developments. (Monthly)
3. Identify areas for model improvements to address relative benefits of land use development alternatives on transportation system performance. (Annually)
4. Continue to maintain and update the Trans CAD software. (Annually)
5. Provide model output and technical assistance to Caltrans District 5 for System Planning documentation, Corridor Studies, and forecasting and traffic analysis for State highway projects. PL funding will not be used for the preparation of Project Initiation Documents (PIDs) or Project Study Reports (PSRs). (Monthly, as requested)
6. Provide technical assistance to local agencies and consultants for project-specific requests and sub-area modeling. (Monthly, as requested)
7. Continue participation in Central Coast Model Users Group and California Inter-Agency Modeling Forums and local and nationwide modeling focus groups for information-sharing and model enhancement. (Quarterly)
8. Work with neighboring counties and MPOs (Ventura and San Luis Obispo) to ensure consistency on external travel and long distance trips. (Annually)
9. Coordinate with State on California Statewide Travel Demand Model development to ensure consistency with regional model. (approximately one time per month)

- 10. Continue to develop technical capabilities to address modeling requirements of SB 375/743. (06/2023)
- 11. Support SB 743 VMT analysis integration for local agencies (06/2023)
- 12. Provide activity-based model training to regional stakeholders to provide understanding of the difference in modeling approach. (06/2023)

Products

Date

Model output files

As requested

Staff Time

4.5 person months

Direct Costs

| | |
|------------------------------|-----------|
| On-call technical assistance | \$ 10,000 |
| Data Products | 5,000 |
| Software License | 2,500 |

Funding

Total

Program TDA Planning

\$ 135,600 \$ 135,600

Percent of Federal Funding: 0%

**WORK ELEMENT
2851
LAND USE MODEL DEVELOPMENT (FY 21-22 carryover)**

This project is being funded in part by SB 1 Sustainable Communities Formula funds (FY 2021-22) and aligns with the SB 1 Sustainable Communities Grant Specific Objectives by enabling SBCAG to develop and assess land use strategies to reduce GHG emissions from the resulting transportation impacts, and also enables quantification of GHG emissions thereby furthering the regional multimodal transportation and land use planning of the region's RTP-SCS.

Objectives

- Develop and integrate a contemporary land use model that meets the needs of SB 375 and can assist in quantifying vehicle miles traveled and GHG emissions for various land use scenarios.
- Encourage local and regional multimodal transportation and land use planning that furthers the region's RTP SCS, contributes to the State's GHG reduction targets and other State goals, including but not limited to, the goals and best practices cited in the 2017 RTP Guidelines, addressing the needs of disadvantage communities, and also assist in achieving the Caltrans Mission and Grant Program Overarching Objectives; Sustainability, Preservation, Mobility, Safety, Innovation, Economy, Health, and Social Equity.

Previous and Ongoing Work

- none

Tasks

1. Procure contractor services to assist with the development of a land use model. (prior work)
2. Manage contractor. (prior work – 06/2023)
3. Engage the Joint Technical Advisory Committee by providing project updates and seeking direction. (prior work – 06/2023)
4. Evaluate land use model options and select the best fit for SBCAG. (prior work – 12/2022)
5. Collect data required for new land use model. (prior work – 03/2023)
6. Work collaboratively with the contractor to build a land use model for the Santa Barbara County Region. (prior work – 06/2023)
7. Calibrate land use model. (07/2022– 06/2023)(Consultant)
8. Integrate the new land use model with the region's activity-based model. (08/2022 – 06/2023)(Consultant)
9. Complete staff training on the functionality and operation of the new land use model. (prior work – 06/2023)(Consultant)
10. Accept delivery of final land use model and close out the project. (06/2023)

Products

Date

New SBCAG Land Use Model

06/2023

Staff Time

1.0 person months

Direct Costs

| | |
|---------------------------|------------|
| Land Use Model Contractor | \$ 150,000 |
| Software Licensing | 5,000 |

Funding

| | | |
|------------|------------|--------------|
| Total | SB1 (RMRA) | |
| Program | Carryover | TDA Planning |
| \$ 181,800 | \$ 155,303 | \$ 26,497 |

Percent of Federal Funding: 0%

WORK ELEMENT
3814
CHUMASH CLIMATE CHANGE ADAPTATION PLAN

Objective

The main objective of this project is to develop an adaptation plan that builds from the Chumash Climate Change Transportation Vulnerability Assessment (CCCTVA) project. The CCCTVA followed the California Adaptation Planning Guide to: 1) identify the climate change effects the Chumash community will experience; 2) identify the key cultural sites and resources of importance to the Chumash people; 3) analyze how climate change exposure will affect these sites and resources; 4) evaluate the Chumash community's current ability to address the projected impacts.

Previous and Ongoing Work

none

Tasks

- 1. Initial Steps**
 - 1.1 – Kickoff Meeting
 - 1.2 – Procurement for Consulting Services
 - 1.3 – Project Scoping Meeting
- 2. Prioritize Adaptive Needs**
 - 2.1 : Adaptive Needs Workshop
 - 2.2: Stakeholder Meeting
 - 2.3: Categorize Potential Impacts
 - 2.4: Prioritize Potential Impacts
- 3. Identify Adaptation Strategies**
 - 3.1: Compile Potential Adaptation Strategies
 - 3.2: Stakeholder Review of Adaptation Strategies
 - 3.3: Finalize List of Adaptation Strategies
- 4. Evaluate and Prioritize Strategies**
 - 4.1: Evaluate Adaptation Strategies
 - 4.2: Outreach to Other Stakeholders
 - 4.3: Community Meetings
 - 4.4: Prioritize Adaptation Strategies
- 5. Develop Adaptation Plan**
 - 5.1: Adaptation Plan Development
 - 5.2: Review and Finalize Adaptation Plan
 - 5.3: Community Meetings
- 6. Administration and Project Coordination**
 - 6.1 – Invoicing (Ongoing)
 - 6.2 – Quarterly Reports (Ongoing)

Products

Date

| | |
|-------------------------------------|-----------|
| Task 1.1 Kickoff Meeting | Past Work |
| Task 1.2 Procurement for Consultant | Past Work |
| Task 1.3 Project Scoping Meeting | Past Work |

| | |
|--|----------------|
| Task 2.1 Adaptive Needs Workshop | Past Work |
| Task 2.2 Stakeholder Meeting | December 2022 |
| Task 2.3 Categorize Potential Impacts | Past Work |
| Task 2.4 Prioritize Potential Impacts | Past Work |
| Task 3.1 Compile Adaptation Strategies | Past Work |
| Task 3.2 Stakeholder Review | December 2022 |
| Task 3.3 Finalize Adaptation Strategies | December 2022 |
| Task 4.1 Evaluate Adaptation Strategies | Past Work |
| Task 4.2 Outreach to Stakeholders | May 2022 |
| Task 4.3 Community Meetings | July 2022 |
| Task 4.4 Prioritize Adaptive Strategies | August 2022 |
| Task 5.1 Adaptation Plan Development | September 2022 |
| Task 5.2 Review and Finalize Adaptation Plan | November 2022 |
| Task 5.3 Community Meetings | December 2022 |
| Task 6.1 Invoicing | Ongoing |
| Task 6.2 Quarterly Reports | Ongoing |

Staff Time

None

Direct Costs

Consultant \$175,800

Funding

| | | |
|------------|------------|-------------|
| Total | SB1-SHA | Chumash |
| Program | Carryover | Non-Federal |
| \$ 175,800 | \$ 155,554 | \$ 20,246 |

Percent of Federal Funding: 0%

**WORK ELEMENT
3870
GEOGRAPHIC INFORMATION SYSTEM (GIS) DEVELOPMENT**

Objective

Improve SBCAG’s mapping and spatial analysis abilities to support improved conveyance of information and analytical work in the development of future regional transportation plans and sustainable communities strategies, as well as other work completed by SBCAG.

Previous and Ongoing Work

SBCAG GIS Needs Assessment, FY 18/19, Work Element 3811

Tasks

1. Continue implementing GIS improvements identified in the SBCAG GIS Needs Assessment. (06/2023)
2. Train staff in GIS capabilities. (Annually)
3. Advance SBCAG’s web mapping capabilities to improve public access of SBCAG data. (06/2023)
4. Continue transition to cloud-based GIS. (06/2023)

Products

Date

Improved GIS Capabilities

06/2023

Staff Time

3.0 person months

Direct Costs

| | |
|--------------|----------|
| GIS Software | \$ 6,000 |
| Travel | 2,000 |

Funding

| | | | |
|---------------|----------|-----------|--------------|
| | | FHWA PL | |
| Total Program | FHWA PL | Carryover | TDA Planning |
| \$ 71,000 | \$ 1,392 | \$ 37,725 | \$ 31,883 |

Percent of Federal Funding: 55.09%

**WORK ELEMENT
3885
ZERO EMISSION VEHICLE (ZEV) STRATEGY**

Objective

The Central Coast Coalition comprised of regional transportation agencies in Santa Cruz, San Benito, Monterey, San Luis Obispo, and Santa Barbara Counties will conduct a Central Coast Zero Emission Vehicle Strategy (CCZEVS). The ultimate goal is to identify gaps and opportunities to implement ZEV infrastructure on the Central Coast, including on or near the State Highway System, major freight corridors, and transit hubs.

Previous and Ongoing Work

None

Tasks

1. Existing Conditions
2. Information Evaluation, Data Collection & Summarization
3. Analysis of Existing Conditions
4. CCZEVS Advisory Committee Meetings
5. Outreach and Engagement - Stakeholder Meetings
6. Development of Central Coast Zero Emission Vehicle Strategy
7. Draft Strategy (public draft version) 8. Board Review/Approval

Products

- Produce meeting agendas, workshop materials and notes
- Stakeholder Engagement
- Draft Central Coast Zero Emission Vehicle Strategy
- Adopted Final CCZEV Strategy

Date

Monthly
Monthly
Spring 2023
Summer 2023

Staff Time

1.3 person months

Direct Costs

Consultant Services \$140,000

Funding

| | | |
|---------------|------------|--------------|
| Total Program | FTA 5304 | TDA Planning |
| \$ 165,900 | \$ 146,860 | \$ 19,040 |

Percent of Federal Funding: 88.52%

**WORK ELEMENT
3890
TRANSPORTATION IMPROVEMENT PROGRAM**

Objective

To maintain a coordinated, multi-modal, multi-year program of transportation projects consistent with anticipated local, state and federal revenues and in compliance with state and federal requirements.

Previous and Ongoing Work

- Preparation of annual AB 1012 Obligation Plans
- Preparation of annual Listing of Federally Obligated Projects
- Monitor availability, deadlines and required reporting for Proposition 1B and SB1 funding and assist local agencies in competing for funding
- Administration of 2021 Federal Transportation Improvement Program (FTIP)
- Amend 2021 FTIP as required
- Federal Compliance of 2021 FTIP
- Development and adoption of the 2022 Regional Transportation Improvement Program (RTIP)
- Amendment of the 2022 RTIP as required

Tasks

1. Identify transportation improvement needs from RTP, public hearings, technical committees, local agency and transit operator requests, corridor concept plans, SRTPs, and request preparation of Project Study Reports by Caltrans and local agencies for projects that will be candidates for the 2024 RTIP and Senate Bill 1 (SB1) funding opportunities. (Quarterly)
2. Identify local and regional project funding opportunities and inform local agencies of funding opportunities and prepare project applications for regional projects. (Monthly)
3. Monitor progress of projects programmed in the 2022 STIP to ensure SB 45 timely use of funds requirements are met. Attend quarterly status meetings with Caltrans and local agencies. Prepare reports on STIP projects and present to SBCAG Board. (Monthly)
4. Attend individual Project Development Team meetings with local partners. (Monthly)
5. Provide direct assistance as needed to local agencies in development of projects programmed in current STIP and FTIP. (Monthly)
6. Close on federal credit assistance loan through Transportation Infrastructure Finance and Innovation Act (TIFIA) program to assist with delivery of *Highway 101: Carpinteria to Santa Barbara* project. (04/2022)
7. Work with Caltrans and local agencies to monitor progress and provide support for the timely delivery of projects in the current FTIP. (Quarterly)
8. Prepare annual funding obligation plan, which includes estimated obligations of STIP project funds, and submit to Caltrans and CTC pursuant to AB 1012. (04/2023)
9. Prepare amendments to the adopted 2021 FTIP as required consistent with state and federal guidelines, regulations and statutes, including financial constraint analysis, public noticing, and public input. (Monthly)
10. Development and approval of 2023 Federal Transportation Improvement Program (FTIP). (October 2023)

11. Attend California Transportation Commission (CTC) and Regional Transportation Planning Agency (RTPA) group meetings to monitor and provide input on State and federal legislation, program guidelines, and other policy matters related to the current STIP and FTIP as well as SB1 funding programs. (Monthly)
12. Assist local agencies in obtaining grant funds for transportation improvements from various federal and state sources. (Monthly)
13. Ensure that SBCAG's public participation procedures are followed in preparing and amending all programming documents. (Monthly)
14. Provide input and assistance to Caltrans in the development of State administered programs including the State Highway Operation and Protection Plan (SHOPP) and State Interregional Transportation Improvement Program (ITIP). (Quarterly)
15. Administer and allocate State Highway Account funds, which have been received in exchange for federal Regional Surface Transportation Program fund apportionments. (Spring 2023)
16. Continue to actively participate in the California Federal Programming Group (CFPG). (Monthly)
17. Prepare and submit SB1 reports to Caltrans for SB1 funded projects. (Monthly/Quarterly as needed)
18. Participate in implementation of programs included in the Bi-partisan Infrastructure Law (BIL).(Monthly)

Products

Date

| | |
|---|------------|
| STIP progress reports | Quarterly |
| SB1 progress reports | Quarterly |
| FTIP amendments | Bi-monthly |
| STIP amendments | Quarterly |
| Obligation plan (AB 1012) | 04/2023 |
| STIP amendment requests/Deadline extension requests | As needed |
| Development and adoption of the 2023 FTIP | 10/2022 |
| Annual obligated project list | 12/2022 |

Staff Time

9.8 person months

Direct Costs

Travel (CTC, RTPA, SB1) \$ 14,000

Funding

| | | | |
|------------|------------|-----------|--------------|
| Total | | FHWA PL | |
| Program | FHWA PL | Carryover | TDA Planning |
| \$ 258,800 | \$ 221,590 | \$ 7,520 | \$ 29,690 |

Percent of Federal Funding: 88.53%