

**2019-2020
OVERALL WORK
PROGRAM**

Amendment No. 2
Approved 11-21-2019



**Kern Council
of Governments**

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Kern Council of Governments Board of Directors

The Kern Council of Governments is the regional planning agency as well as the technical and informational resource, and rideshare administrator for the area's 11 incorporated cities and the County of Kern. Following Board direction, staff coordinates between local, state, and federal agencies to avoid overlap or duplication of programs. This intergovernmental coordination enables staff to work with many public agencies to ensure that planning and implementation of programs proceed in a coordinated manner.

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I. INTRODUCTION

General

Kern County covers 8,161 square miles at the southern end of California's San Joaquin Valley, ranging west to the southern slope of the Coast Ranges and east beyond the southern slope of the eastern Sierra Nevada into the Mojave Desert. The population was 874,264 in 2015, making it the 11th most populous county in the state. The county's economy is heavily linked to agriculture and to petroleum extraction along with a strong aviation, space and military presence, such as Edwards Air Force Base and China Lake Naval Air Weapons Station.

Kern Council of Governments' (Kern COG's) areawide planning program is a continuous, comprehensive and coordinated process involving Kern COG member agencies as well as tribal governments and various state and federal agencies. The program is designed to address regional planning concerns, state and federal funding priorities and state and local comprehensive planning requirements.

Kern COG's Joint Powers Agreement states that Kern COG was established to:

- Provide a forum to discuss and study regional problems of mutual concern to governmental agencies in Kern County;
- Provide for efficiency and economy in governmental operations through the cooperation of member governments and the pooling of common resources;
- Establish an agency responsible for identifying, clarifying and planning for solutions to regional problems;
- Establish an agency capable of developing regional plans and policies and performing area wide planning duties; and
- Facilitate cooperation and agreement among local government bodies for specific projects, interrelated developmental action and the adoption of common policies with respect to issues and problems that are shared by its members.

Transportation Planning Approach

Transportation planning within the Kern region is a continuous, comprehensive and cooperative process designed to meet state and federal planning guidelines. Kern COG has been involved in transportation planning since its inception in 1970.

The Fixing America's Surface Transportation (FAST) Act:

Encourages and promotes the safe and efficient management, operation, and development of surface transportation systems that will serve the mobility needs of people and freight and foster economic growth and development within and between States and urbanized areas, while minimizing transportation-related fuel consumption and air pollution through metropolitan and statewide transportation planning processes.

Environmental Justice, addressed in Title VI of the 1964 Civil Rights Act, and later reinforced by Executive Order 12898 in 1994, helps to ensure nondiscrimination in federally funded activities.

Also Executive Order 13175--Consultation and Coordination with Indian Tribal Governments helps "to establish regular and meaningful consultation and collaboration with tribal officials."

SB 45 requires that the California Department of Transportation prepare a State Transportation Improvement Program (STIP). State regulations require that the Regional Transportation Plan (RTP) include a transportation system management element that describes how the region intends to guide the movement of goods and people by improving the operation of the transportation system. Kern COG must prepare and adopt a Regional Transportation Improvement Program (RTIP).

Agency Organizational Structure and Interagency Arrangements

Kern COG was created in response to the need for a coordinated approach to addressing multi-jurisdictional issues, such as land use, housing, energy, air quality, water quality, transportation, as well as community and economic development. These issues cross jurisdictional boundaries. The regional approach offered by Kern COG provides the comprehensive planning and intergovernmental coordination necessary to address such complex issues.

An important element of the transportation planning process is the development of transportation policy. Transportation policy is set by the COG Board and is based on technical and policy advice from the following committees:

Transportation Planning Policy Committee (TPPC)
Transportation Technical Advisory Committee (TTAC)
Social Service Transportation Advisory Committee (SSTAC)
Transit Operators Committee (TOC)
Regional Planning Advisory Committee (RPAC)
Transportation Modeling Committee (TMC)

A discussion of each committee may be found at www.kerncog.org.

The 11 incorporated cities and the County of Kern coordinate and cooperate among each other, as well as with other local special district agencies, Kern COG and affected

agencies of the state and federal governments. Cooperation in developing general and specific plans is ensured by the joint powers agreement establishing Kern COG. Kern COG members from each jurisdiction are a link between Kern COG staff and the chief administrative officer of each jurisdiction. City and county staff participate fully in functional planning that affects their jurisdiction. Involvement of local staffs in planning projects helps ensure an orderly transition from plan to implementation.

To improve intergovernmental coordination, Kern COG has entered into myriad of memorandums of understanding and other cooperative agreements that specify responsibilities of each party, including: the other seven San Joaquin Valley metropolitan planning organizations; San Luis Obispo Council of Governments; Inyo County Local Transportation Commission; Mono County Local Transportation Commission; Southern California Association of Governments and San Bernardino Associated Governments.

Native American Tribal Governments

Kern COG staff has reached out to the Tejon Tribe verbally and in writing requesting a government-to-government meeting at the Tribes convenience. In addition, Kern COG provided a draft government-to-government agreement to better facilitate the interaction between the two government organizations.

In an attempt to expedite the process, Kern COG staff attended the monthly meeting of the Greater Lamont Chamber of Commerce in November 2017, when the Tejon Indian Tribe made a presentation about the history of the Tribe including the current goals. Healthcare, education, and housing are top priorities for the leadership of the Tejon Tribe. Their goal is to be entirely self-reliant as a community. They do not want to depend on the state or county to provide a service that they as a Tribe now have the opportunity to create, maintain and sustain.

Public Participation

Kern COG's public participation process is designed to encourage both individual and organizational participation in the comprehensive planning process. Early consultation during the planning process is a key element in the development and implementation of an effective regional plan.

Kern COG has agreements with several community-based organizations to encourage participation in the planning process. The Golden Empire Transit District, Consolidated Transportation Service Agency, Social Services Technical Advisory Committee and the Kern Transportation Foundation, for example, were created to address transportation issues and funding options and to educate the community. Kern COG staff serves on these committees.

Consultation in Kern COG's plan development process requires continual communication with Disadvantaged, Environmental Justice and Title VI communities. The multi-district county and geographic separation of communities creates difficulty in fostering public

participation. Despite the hurdles, staff is dedicated to encouraging public participation at every level of project development.

Expanded outreach to nontraditional groups, such as minority and low-income populations (i.e. African-American, Latino, Asian-American, American Indian/Alaskan Native, and Pacific Islander), is a cornerstone of Kern COG's mission. This expanded effort includes many advertising efforts, including newspaper display ads; direct mailings and phone and electronic correspondence.

Faced with geographical and district boundary hurdles, a dual level public participation program has been developed. The communication needs of special interest groups, media, communities, department of transportation districts and air districts are tailored for each geographic area of the region. Kern COG encourages participation from all interested parties, seeks participation from underserved communities and furnishes appropriate auxiliary aids and services when necessary to afford individuals with special needs an equal opportunity for participation.

Kern COG's public participation program, documented in a Council adopted policy statement, is periodically reviewed and updated and may be found at <http://www.kerncog.org/publications/policies-and-procedures>

To get involved in the public participation process, contact Kern COG at 1401 19th Street, Suite 300; Bakersfield, CA 93301. Phone: (661) 635-2900 Fax: (661) 324-8215 E-mail: ahakimi@kerncog.org; Home Page: [kerncog.org](http://www.kerncog.org).

Progress Made Toward Implementing the RTP and TIP

The core of this OWP effort is the development of the Regional Transportation Plan (RTP) and the Transportation Improvement Program (TIP). This OWP governs a comprehensive, cooperative, and continuing process as required for initiatives to be eligible for federal transportation funding. This year is the first year of the continuing process for the 4 year RTP cycle and the 2 year TIP. Both processes allow for periodic amendments as needed. The cooperative nature of these documents include an on-going and continuing public outreach process that begins shortly after adoption of the previous RTP and TIP. In addition, the process includes a comprehensive approach that includes an increasingly more sophisticated and integrated performance monitoring process.

II. LOCAL, STATE AND FEDERAL DESIGNATIONS

Regional Transportation Planning Agency

Pursuant to state law, Kern COG is the designated Regional Transportation Planning Agency (RTPA) for the Kern region. Acting in this capacity, Kern COG is responsible for adopting a regional transportation plan and a regional transportation improvement program.

Metropolitan Planning Organization

As the federally designated Metropolitan Planning Organization (MPO), Kern COG is a forum for cooperative transportation decision-making. Kern COG receives state and federal transportation funds to accomplish regional transportation planning objectives through the activities detailed in the Overall Work Program (OWP).

Transportation Management Area

The Fixing America's Surface Transportation (FAST) Act designates urbanized areas (as defined by the Bureau of the Census) with populations of over 200,000 as Transportation Management Areas (TMAs). Kern COG is the TMA responsible for designing a congestion management system that provides for effective management and operation of new and existing transportation facilities through the use of travel demand reduction and operational management strategies.

Area-wide Planning Organization

In accordance with federal law, Kern COG is designated the Areawide Planning Organization (APO) for the Kern region. The Department of Housing and Urban Development (HUD) requires that an APO develop and maintain areawide land use, housing and open space plans.

Local Clearinghouse

In accordance with Executive Order 12372, Kern COG is designated the Local Clearinghouse for the Kern region. Kern COG's primary responsibility is to review and comment on local applications for state and federal funding assistance.

Affiliate Data Center

The California Department of Finance has designated Kern COG as the Affiliate State Census Data Center for the Kern region. Kern COG provides assistance to census data users, maintains a publicly accessible collection of Census Bureau reference and determines the need for census workshops within Kern region.

Home Mortgage Disclosure Depository

The Federal Reserve Board has designated Kern COG as the central depository for bank mortgage residential loan reports. Kern COG is required to provide public access to the Home Mortgage Disclosure Act information.

Kern County Transportation Authority

On May 31, 1988, the Kern County Board of Supervisors by Resolution No. 88-466 appointed Kern COG as the Local Transportation Authority, in accordance with Division 19 of the Public Utilities Code (Section 180000 et seq.). Prior to a sales tax initiative for transportation projects being placed on a ballot, Kern COG is to adopt an ordinance that outlines an expenditure plan of transportation projects and a proposed increase in transactions and use taxes.

Kern Motorist Aid Authority

In accordance with Sections 2550, et seq. of the California Streets and Highways Code, the County of Kern and the incorporated cities, the Kern Motorist Aid Authority (KMAA) was created on May 19, 1988. KMAA is authorized to finance, implement, operate and maintain a motorist aid system and other services in coordination with the California Department of Transportation and the California Highway Patrol.

Kern Congestion Management Agency

Pursuant to California Government Code Section 65089(a), Kern COG is the designated the Congestion Management Agency (CMA).

III. PROGRAMS, PROCESSES AND PLANS

Disadvantaged Business Enterprises

The FAST Act maintains the Disadvantaged Business Enterprises (DBE) program, designed to ensure equal opportunity in transportation contracting markets and to address the effects of discrimination in transportation contracting. The program establishes a flexible goal for the participation of disadvantaged business enterprises, including small firms owned and controlled by women and minorities.

Regional Plans

A list of and web link for the major transportation documents that are developed and adopted by Kern COG follows:

Regional Transportation Plan (RTP)

<http://www.kerncog.org/regional-transportation-plan>

Regional Transportation Improvement Plan (RTIP)

<http://www.kerncog.org/regional-transportation-improvement-program>

Federal Transportation Improvement Program (FTIP)

<http://www.kerncog.org/federal-transportation-improvement-program>

Congestion Management Program (CMP)

Part of RTP

Regional Housing Allocation Plan

<http://www.kerncog.org/regional-housing>

Other Transportation-Related Planning Reports and Documents

<http://www.kerncog.org/publications>

Certification Process and Criteria

Pursuant to joint urban transportation planning regulations published in the United States **Federal Register** on October 28, 1993, Kern COG is required to certify that its planning process is executed in conformance with all applicable federal requirements. Based on the certification review conducted by FHWA and FTA in May 2015, the Kern COG transportation planning process is certified as meeting transportation planning requirements.

IV. FEDERAL PLANNING FACTORS, CALIFORNIA EMPHASIS AREAS AND REGIONAL PLANNING PRIORITIES

With the renewed focus on transportation planning brought about by the FAST Act, Federal Highway Administration (FHWA) and Federal Transit Administration's (FTA) Offices of Planning are jointly issuing Planning Factors. The Core Planning Functions for Federal FY 2019-20 include the following:

Core Planning Functions

MPOs are reminded that their Overall Work Programs (OWP) must identify the Core Planning Functions and what work will be done during the program year to advance those functions. The Core Functions typically include:

- Overall Work Program
- Public Participation and Education
- Regional Transportation Plan
- Federal Transportation Improvement Program
- Congestion Management Process (required for TMAs)
- Annual Listing of Projects

The Fixing America's Surface Transportation (FAST) Act legislation provided metropolitan transportation planning program funding for the integration of transportation planning processes in the MPA (i.e. rail, airports, seaports, intermodal facilities, public highways and transit, bicycle and pedestrian, etc.) into a unified metropolitan transportation planning process, culminating in the preparation of a multimodal transportation plan for the MPA. FHWA and FTA request that all Metropolitan Planning Organizations (MPOs) review the Overall Work Plan (OWP) development process to ensure all activities and products mandated by the metropolitan transportation planning regulations in 23 CFR 450 are a priority for FHWA and FTA combined planning grant funding available to the region. The MPO OWP work elements and subsequent work tasks must be developed in sufficient detail (i.e. activity description, products, schedule, cost, etc.) to clearly explain the purpose and results of the work to be accomplished, including how they support the Federal transportation planning process (see 23 CFR 420.111 for documentation requirements for FHWA Planning funds).

Performance Management

Since FAST Act was passed in 2015, Caltrans and most of California's MPOs have developed performance measures that inform their Regional Transportation Plans (RTPs) and Federal Transportation Improvement Programs (FTIPs). The objective of the performance- and outcome-based program is for states and MPOs to invest resources in projects that collectively will make progress toward the achievement of the national goals. The FAST Act requires the DOT, in

consultation with states, metropolitan planning organizations (MPOs), and other stakeholders, to establish performance measures in the areas listed below:

- **Safety** - To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.
- **Infrastructure condition** - To maintain the highway infrastructure asset system in a state of good repair
- **Congestion reduction** - To achieve a significant reduction in congestion on the National Highway System
- **System reliability** - To improve the efficiency of the surface transportation system
- **Freight movement and economic vitality** - To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets and support regional economic development.
- **Environmental sustainability** - To enhance the performance of the transportation system while protecting and enhancing the natural environment.
- **Reduced project delivery delays** - To reduce project costs, promote jobs and the economy and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices

Although the final rulemaking is not yet completed, the FHWA and FTA want each MPO to explicitly identify their process for determining performance targets and measures within their Overall Work Programs for FY 2017.

State of Good Repair

MPOs are required to evaluate their transportation system to assess the capital investment needed to maintain a state of good repair for the region's transportation facilities and equipment. MPOs shall coordinate with the transit providers in their region to incorporate the Transit Asset Management Plans (TAMs) prepared by the transit providers into the Region Transportation Plan (RTP). Analysis of State of Good Repair needs and investments shall be part of any RTP update, and must be included in the Overall Work Program task for developing the Regional Transportation Plan. MPOs are expected to regularly coordinate with transit operators to evaluate current information on the state of transit assets; to understand the transit operators transit asset management plans; and to ensure that the transit operators are continually providing transit asset information to support the MPO planning process.

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V. WORK ELEMENT

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Recognition of the vital relationship between the environment and all living things has triggered planning and environmental concerns. A special emphasis has been placed on air quality and the problems of pollution control. Air and water quality must be protected. Land uses are related to every human activity and are intricately interwoven with environmental issues. Identifying and analyzing problems, which adversely affect the environment, and developing solutions to mitigate causes, is a part of the comprehensive planning process.

Conservation of natural resources is as important to the Kern region as it is to the rest of the world. This issue is recognized as a critical element in the planning process.

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 101.1 – AIR QUALITY MODELING/TRANSPORTATION
MANAGEMENT**

Purpose & Goal*

Maintain an active planning program to reduce transportation emissions and improve regional air quality through transportation system management.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Conformity analyses for Regional Transportation Plan and Federal Transportation Improvement Program since 1990;
2. Transportation/air quality consultation procedures updates;
3. Use of EMFAC emissions modeling;
4. Development of latest planning assumptions for conformity; and
5. Identification and tracking of transportation system management strategies.
6. Performing PM2.5 and PM10 hot-spot assessment for member agencies.

Study Design (Tasks and Responsible Agencies)

1. Administer Air Quality Modeling/Transportation Management Program;
2. Coordinate activities and provide staff support for transportation air quality, as required for the Air Quality Attainment Plans in Kern County;
3. Participate with SJVAPCD/Kern APCD in preparing transportation components of the State Implementation Plan (SIP);
4. Maintain a conformity program for transportation plans, programs, and projects with the State Implementation Plan (SIP), as required by the Federal Clean Air Act Amendments of 1990;
5. Monitor and implement federal air quality regulations;
6. Monitor transportation/air quality programs to determine needs for transportation and air quality modeling;
7. Review plans and programs for conformity with state and federal clean air acts, conduct necessary modeling, and maintain data and documentation;
8. Assist air districts in developing mobile source emission inventories;
9. Attend interregional model coordinating meetings and statewide air quality meetings;
10. Participate in air quality working groups as required;
11. Provide modeling of transportation programs, plans, and projects; and
12. Meet and consult with various agencies during updates of EMFAC, CUBE, and other modeling software.

End Products (Schedule)

1. Air Quality Conformity Analysis for plans, programs and amendments. (quarterly) (\$12,000).

2. RTP/FTIP, document updates and associated conformity analyses and determinations. (quarterly, even-numbered years) (\$12,000).
3. Conformity SIP program. (quarterly as required by Air District schedules) (\$8,783).
4. Air Quality Modeling Output Using EMFAC. (quarterly) (\$12,000).

Revenue Budget

AGENCY	FMSA				FTA					TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PFM			Local		PL	PL carryover	Sec. 5303
Kern COG	\$33,355				\$33,354					\$3,901	\$70,610	\$3,826	\$0	\$3,826	\$0
Consultant											\$0				
Capital											\$0				
Total	\$33,355	\$0	\$0	\$0	\$33,354	\$0	\$0	\$0	\$0	\$3,901	\$70,610	\$3,826	\$0	\$3,826	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element #102.1 – ENVIRONMENTAL REVIEW AND MONITORING PROGRAM

Purpose & Goal*

Review local government agency environmental documents to convey regional planning impacts pertaining to discretionary development projects requiring general plan amendments and/or zone changes, general plan updates and other master plan updates. Monitor ongoing Kern County Groundwater Committee programs as well as the Kern Integrated Regional Water Management Plan (IRWMP) and its relationship with the Regional Transportation Plan/Sustainable Communities Strategy.

*Meets the following California Planning Emphasis Areas: Performance Management.

Previous Work

1. Review and comment on regional projects' environmental documents that impact the Regional Transportation Plan/Sustainable Communities Strategy;
2. Develop response letter for Local Agency Formation Commission inquiries;
3. Develop response letter for regional projects' environmental documents;
4. Integrated Regional Water Management Plans;
5. Water quality monitoring integration in the 2018 Regional Transportation Plan/Sustainable Communities Strategy; and
6. Monitor the American Farmland Trust "Saving Farmland, Growing Cities" program.

Study Design (Tasks & Responsible Agency)

1. Review and comment on Local Agency Formation Commission inquiries;
2. Review and comment on regionally significant environmental documents;
3. Monitor Kern County Groundwater Committee and Integrated Regional Water Management Plans;
4. Maintain Kern COG's repository of southern San Joaquin Valley region water quality studies and documents;
5. Participate in Southern California Water Committee, Inc. activities as applicable.

End Products (Schedule)

1. Review letters responding to Local Agency Formation Commission inquiries (\$15,000) (monthly).
2. Review letters responding to regionally significant environmental documents (\$15,000) (monthly).
3. Document water quality monitoring activities and report to the Board of Directors as needed (quarterly) (\$8,859).

Revenue Budget

AGENCY	THSA				FTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304				PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$16,729				\$16,729				\$2,157	\$35,614	\$1,919	\$0	\$1,919	\$0
Consultant										\$0				
Capital										\$0				
Total	\$16,729	\$0	\$0	\$0	\$16,729	\$0	\$0	\$0	\$2,157	\$35,614	\$1,919	\$0	\$1,919	\$0

200 COMMUNITY DEVELOPMENT

Development of communities that are compact, energy efficient and designed to reduce air and noise pollution, pose problems for both government agencies and development interests. Land management and livable community concepts address many of these issues and contribute to a new perspective on housing and land use as they relate to the environment and quality of life in the Kern region. Development of a Complete Streets Policy Guide would be beneficial to Kern COG member agencies (please see Work Element 608.1 previous work completed).

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 201.1 - COMMUNITY AND ENVIRONMENTAL
INVENTORY MAPPING SYSTEM

Purpose & Goal*

To prepare and consolidate a comprehensive community and environmental planning inventory and quickly identify environmental factors in plans, programs, and studies through Geographic Information Systems (GIS).

*Meets the following California Planning Emphasis Areas: Core Planning Functions.

Previous Work

1. San Joaquin Valley Regional GIS Standards Project;
2. Kern Geographic Information Network (Kern GEONET) MOU;
3. Kern GEONET Work Plan;
4. Kern COG GIS Program;
5. Valleywide GIS Project;
6. Kern GEODATA Catalog;
7. Kern County Street Centerline File Project;
8. Kern Master Environmental Assessment Resources (MEAR);
9. Kern Airport Safety Zones;
10. Kern Blueprint Subregional Planning Areas;and
11. Disadvantaged Communities Mapping.

Study Design (Tasks & Responsible Agency)

1. Identify, compile and maintain environmental map data in a single database;
2. Provide assistance to the Geographic Information Advisory Committee;
3. Compile local jurisdictions' general plan information for land-use modeling;
4. Continued maintenance of Enterprise GIS database;
5. Provide assistance in updating the traffic demand model; and
6. Update Disadvantaged Communities Mapping.

End Products (Schedule)

1. Update agency GIS data holdings. (monthly).
2. Update internal GIS system to host data for online maps for RTP data review. (June 2020) (\$100,000).
3. Use general plan land-use information from member agencies for land-use modeling inputs (June 2020) (\$100,000).

Revenue Budget

AGENCY	FTEGS				FTA					TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	OMAO	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP FPM			Local		PL	PL carryover	Sec. 5303
Kern COG	\$214,344				\$111,790					\$16,223	\$342,357	\$24,565	\$0	\$12,622	\$0
Consultant											\$0				
Capital											\$0				
Total	\$214,344	\$0	\$0	\$0	\$111,790	\$0	\$0	\$0	\$0	\$16,223	\$342,357	\$24,565	\$0	\$12,622	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 201.2 – MAPPING SERVICES AND TECHNICAL SUPPORT

Purpose & Goal

To collaborate and coordinate on comprehensive mapping projects, aerial imagery, services, training and technical support among local agencies and other entities as needed to enhance transportation planning and security while eliminating overlapping purchases and services.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Maricopa mapping project;
2. Kern Geographic Information Network (Kern GEONET) MOU;
3. Kern multi-agency aerial imagery project;
4. Kern GEONET work plan;
5. Valleywide GIS project;
6. Kern County Street Centerline project;
7. Wasco, Shafter, and Ridgecrest mapping agreements;
8. Eastern Kern Resource Conservation District project;
9. Kern County Water Agency project; and
10. Special district and community mapping services.
11. Catalog mapping information for public use airports. (November 2015)
12. Kern Multi-Agency Aerial Imagery Project (2000, 2008, 2010, 2014);
13. Kern GEONET multi-agency budget;
14. Kern multi-agency aerial imagery memorandum of understanding;
15. Shared Kern County imagery server;
16. Archive historical imagery for Kern County.

Study Design (Tasks & Responsible Agency)

1. Participate in and provide input on local, statewide and federal GIS coordination;
2. Coordinate with local emergency response agencies and public transportation providers for transportation security;
3. Develop and support mapping agreements with member agencies;
4. Generate maps in response to community/public requests;
5. Coordinate the Kern Geographic Information Network (Kern GEONET);
6. Assist in identifying natural hazard and security mapping.
7. Provide oversight and coordinate partnership activity for multi-agency imagery;
8. Distribute current and historical aerial imagery.

End Products (Schedule)

1. Member agency mapping service agreements (quarterly) (\$25,000).
2. Online member agency mapping application (monthly) (\$25,000).
3. Enhance historical imagery for use with modern mapping software (ongoing) (\$34,650).

4. Coordinate and purchase aerial imagery to coincide with 2020 Census (April 2020) (\$75,000)

Revenue Budget

AGENCY	FHEVA				VTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	OWAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PPM	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$54,111				\$49,040					\$113,151	\$7,354	\$0	\$5,625	\$0
Consultant	\$12,500				\$12,500					\$25,000	\$1,434	\$0	\$1,434	\$0
Capital										\$0				
Total	\$76,611	\$0	\$0	\$0	\$61,540	\$0	\$0	\$0	\$0	\$138,151	\$8,787	\$0	\$7,059	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/20
Work Element #202.1 – ENVIRONMENTAL SUSTAINABILITY PROGRAM

Purpose & Goal*

To position Kern COG and its member agencies to meet the federal and state goals and objectives for environmental sustainability by demonstrating how new community design concepts and transit contribute to improving communities through an active and participatory planning process.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Established Kern Climate Change Task Force (KCCTF) (Oct. 2008); and
2. Kern Climate Change Summit (Feb. 2009).
3. Participated in the CARB-prescribed SB 375 implementation process;
4. Propose climate change target to California Air Resources Board. (2009)
5. Analysis of Impediments to fair housing choices;
6. Visualizations for member agencies, transit centers, and transit-oriented development (TOD).
7. Housing Needs Data for the RTP/Sustainable Community Strategy, which coordinates land use with transit investments.
8. Identify transit centers in 2015 Metropolitan Bakersfield Transit Center Study.

Study Design (Tasks & Responsible Agency)

1. Prepare the planning and programming structure to meet targets;
2. Coordinate with other San Joaquin Valley Counties/MPOs on meeting targets;
3. Track and provide comments on regulatory changes (SB375 - 2008; AB32 - 2006; SB150 - 2017);
4. Meet with stakeholder groups to determine implementation issues and interests;
5. Develop and evaluate GHG measurement indicators;
6. Review and comment on ARB technical updates regarding targets;
7. Prepare staff reports providing updates on GHG targets;
8. Conduct public meetings and hearing as required;
9. Conduct modeling as required.
10. Incorporate livable communities elements into ongoing planning documents, such as the RTP/SCS and other planning, MTIS and corridor studies;
11. Assist local agencies in exploring opportunities available through livable communities;
12. Assist local agencies in developing Active Transportation and Sustainable Communities Strategies;
13. Attend smart growth, sustainable and/or livable communities, Clean Cities Coalition and Active Transportation Program workshops and conferences.

End Products (Schedule)

1. Report on target updates. (quarterly) (\$101,540)
2. Community visualizations (Consultant) (June 2020) (\$50,000)

Revenue Budget

AGENCY	TSP/CA				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	QMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP/FFM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$126,850	\$126,850	\$0	\$0	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,850	\$126,850	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.1 – SUSTAINABLE COMMUNITIES PUBLIC PARTICIPATION

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS), as well as the 2017 Regional Transportation Guidelines for consultation and coordination by all interested parties. Kern COG was cited in the Guidelines as a Best Practice for a Small/Medium/Rural MPO. This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. It also contributes to Sustainable Communities Grant Specific Objectives: to 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. This Work Element uses 2018-19 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategies.
2. Update Public Information Policies and Procedures.

Study Design (Tasks & Responsible Agency)

1. Continuous SCS Outreach Program – for environmental justice and all communities in support of SCS development on a 4 year cycle (subtasks may vary in any given year during the 4-year cycle) (see also Work Element 601.3).
 - a. Update Public Information Policies and Procedures on a 4 year cycle;
 - b. Produce and implement public workshop content and structure;
 - c. Develop materials to advertise workshops in appropriate languages as needed;
 - d. Attend workshops;
 - e. Survey workshop attendees;
 - f. Produce public outreach reports and data analysis;
 - g. Review and revise as needed existing analytical techniques and public involvement approaches to ensure that the planning process successfully integrates environmental justice into decision making;
 - h. Reconvene as needed the Environmental Justice Task Force to assess and ensure compliance of Kern COG's transportation planning efforts with environmental justice requirements;
 - i. Identify transportation needs of target populations, including disadvantaged communities and Environmental Justice communities;
 - j. Quantitatively assess benefits and burdens of transportation plans with respect to target populations;
 - k. Identify measures with which to compare the respective treatment of target and non-target populations in the planning process, such as population-based measures, geographic-based measures and visual-based measures;

- l. Continue government to government coordination with the Tejon Indian Tribe and tribal communities generally for the RTP development process;
- m. Compare investments across different modes to identify and minimize disparate impacts to traditionally underserved populations;
- n. Identify funding opportunities to assist in implementing typically infeasible environmental justice procedures, such as Caltrans' Grant Programs offered through the California Strategic Growth Council;
- o. Evaluate environmental justice policies for the RTP and RTIP;
- p. Meet with the federally recognized Tejon Indian Tribe to develop agreements, procedures and policies that outline roles, responsibilities and key decision points on a government-to-government basis;
- q. Coordinate with state-recognized tribes on environmental justice issues, including cultural resource mapping, cultural place naming strategies and transit.

End Products (Schedule)

1. Public Information Policies and Procedures Update. (December 2019) (Prior to public outreach for each RTP cycle)
2. Schedule SCS outreach events and provide event summaries. (June 2020)
3. SCS outreach meetings for target populations to ensure transportation planning efforts with disadvantaged communities and Environmental Justice communities. (As needed and/or requested)
4. SCS planning support in development of grants and applications. (June 2020)

Revenue Budget

AGENCY	TMDL				FEA		Formula Funds	Formula Funds	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	FY 18-19 SB-1	FY 19-20 SB-1			PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$39,634		\$6,902	\$46,536	\$0	\$0	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$39,634	\$0	\$6,902	\$46,536	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.1A – SUSTAINABLE COMMUNITIES PUBLIC PARTICIPATION

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS), as well as the 2017 Regional Transportation Guidelines for consultation and coordination by all interested parties. Kern COG was cited in the Guidelines as a Best Practice for a Small/Medium/Rural MPO. This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. It also contributes to Sustainable Communities Grant Specific Objectives: to 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. This Work Element uses 2019-20 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategies.
2. Update Public Information Policies and Procedures.

Study Design (Tasks & Responsible Agency)

1. Continuous SCS Outreach Program – for environmental justice and all communities in support of SCS development on a 4 year cycle (subtasks may vary in any given year during the 4-year cycle) (see also Work Element 601.3).
 - a. Update Public Information Policies and Procedures on a 4 year cycle;
 - b. Produce and implement public workshop content and structure;
 - c. Develop materials to advertise workshops in appropriate languages as needed;
 - d. Attend workshops;
 - e. Survey workshop attendees;
 - f. Produce public outreach reports and data analysis;
 - g. Review and revise as needed existing analytical techniques and public involvement approaches to ensure that the planning process successfully integrates environmental justice into decision making;
 - h. Reconvene as needed the Environmental Justice Task Force to assess and ensure compliance of Kern COG's transportation planning efforts with environmental justice requirements;
 - i. Identify transportation needs of target populations, including disadvantaged communities and Environmental Justice communities;
 - j. Quantitatively assess benefits and burdens of transportation plans with respect to target populations;
 - k. Identify measures with which to compare the respective treatment of target and non-target populations in the planning process, such as population-based measures, geographic-based measures and visual-based measures;

- l. Continue government to government coordination with the Tejon Indian Tribe and tribal communities generally for the RTP development process;
- m. Compare investments across different modes to identify and minimize disparate impacts to traditionally underserved populations;
- n. Identify funding opportunities to assist in implementing typically infeasible environmental justice procedures, such as Caltrans' Grant Programs offered through the California Strategic Growth Council;
- o. Evaluate environmental justice policies for the RTP and RTIP;
- p. Meet with the federally recognized Tejon Indian Tribe to develop agreements, procedures and policies that outline roles, responsibilities and key decision points on a government-to-government basis;
- q. Coordinate with state-recognized tribes on environmental justice issues, including cultural resource mapping, cultural place naming strategies and transit.

End Products (Schedule)

1. Public Information Policies and Procedures Update. (December 2019) (Prior to public outreach for each RTP cycle)
2. Schedule SCS outreach events and provide event summaries. (June 2020)
3. SCS outreach meetings for target populations to ensure transportation planning efforts with disadvantaged communities and Environmental Justice communities. (As needed and/or requested)
4. SCS planning support in development of grants and applications. (June 2020)

Revenue Budget

AGENCY	P/O/A				FTA		Formula Funds	Formula Funds	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	FY 18-19 SB-1	FY 19-20 SB-1			PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG								\$75,593	\$13,223	\$88,816	\$0	\$0	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,593	\$13,223	\$88,816	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.2 – SUSTAINABLE COMMUNITIES PERFORMANCE
MEASURES

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS), as well as the Regional Transportation Guidelines for performance measure monitoring. Kern COG was cited in the State 2010 Guidelines as a Best Practice for a Small/Medium/Rural MPO. This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. It also contributes to Sustainable Communities Grant Specific Objectives: to 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. This Work Element uses 2018-19 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategies Integrated Performance Measure Analysis

Study Design (Tasks & Responsible Agency)

1. SCS Performance Measure Analysis Program – for environmental justice and all communities in support of SCS development (see also 601.4).
 - a. SCS update of disadvantaged communities mapping as needed using Planning and Environmental Linkages (PEL) U.S. EPA EJScreen Tool
 - b. SCS system level integrated performance measures analysis
 - c. SCS disadvantaged communities/environmental justice performance measure analysis
 - d. SCS smart mobility framework performance measure analysis
 - e. SCS health equity performance measure analysis
 - f. SCS public outreach scenario comparison performance measures
 - g. Project level performance measures to support the transportation improvement program and grant applications.
 - h. Research on developing and monitoring health performance and other emerging measures in coordination with stakeholders
 - i. SCS roundtable for stakeholders in development of performance measures

End Products (Schedule)

1. MPO PM 2-3 Targets (\$1,825 – local)
2. Sustainable Communities Strategies (SCS) Smart mobility framework and integrated health performance measures included in the 2018 RTP (\$14,084 – SB1)

Revenue Budget

AGENCY	FMS				FSA		FY 18-29 SB-1	STIP PPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$14,084		\$1,768	\$15,852	\$0	\$0	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$14,084	\$0	\$1,768	\$15,852	\$0	\$0	\$0	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.2A – SUSTAINABLE COMMUNITIES PERFORMANCE
MEASURES**

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS), as well as the Regional Transportation Guidelines for performance measure monitoring. Kern COG was cited in the State 2010 Guidelines as a Best Practice for a Small/Medium/Rural MPO. This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. It also contributes to Sustainable Communities Grant Specific Objectives: to 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. This Work Element uses 2019-20 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategies Integrated Performance Measure Analysis

Study Design (Tasks & Responsible Agency)

1. SCS Performance Measure Analysis Program – for environmental justice and all communities in support of SCS development (see also 601.4).
 - a. SCS update of disadvantaged communities mapping as needed using Planning and Environmental Linkages (PEL) U.S. EPA EJScreen Tool
 - b. SCS system level integrated performance measures analysis
 - c. SCS disadvantaged communities/environmental justice performance measure analysis
 - d. SCS smart mobility framework performance measure analysis
 - e. SCS health equity performance measure analysis
 - f. SCS public outreach scenario comparison performance measures
 - g. Project level performance measures to support the transportation improvement program and grant applications.
 - h. Research on developing and monitoring health performance and other emerging measures in coordination with stakeholders
 - i. SCS roundtable for stakeholders in development of performance measures

End Products (Schedule)

1. SCS performance status and modeling report (bi-annual)
2. SCS development and modeling for disadvantaged communities and all other communities for the SCS environmental justice performance report (on a four-year cycle)
3. SCS roundtable stakeholder meeting(s) report (on a four-year cycle)
4. Draft SCS integrated performance measures analysis (on a four year cycle)
5. Final SCS integrated performance measures analysis (on a four-year cycle)

Revenue Budget

AGENCY	TOLLS				FICA		FY 19-20 SB-1	STIP PPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$39,342		\$5,154	\$44,496	\$0	\$0	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$39,342	\$0	\$5,154	\$44,496	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.3 – SUSTAINABLE COMMUNITIES ADVANCED TECH
PLANNING

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS) to support SCS development by identifying advanced transportation technology projects to reduce greenhouse gas emissions in all communities, and specifically in Cal Enviro screen-identified disadvantaged communities, especially racial minority and low-income communities (see also WE 603.3). This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. This program contributes to Sustainable Communities Grant-Specific Objectives: (a) to encourage local and regional multimodal transportation and land use planning that furthers the region's RTP/SCS and (b) contributes to the State's GHG reduction targets and other State goals. This Work Element uses 2018-19 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategies.
2. Kern Electric Vehicle Charging Station Blueprint (June 2019) (WE 603.4)
3. 2018, 2019 Kern COG TRANSITions Transit Symposium
4. 2016, 2017, 2018 National Drive Electric Week Events, and Media Campaign
5. Electric Charging Stations by Zip Code Report

Study Design (Tasks & Responsible Agency)

1. SCS Advanced Tech Planning Program – to support SCS development by identifying advanced transportation technology projects to reduce greenhouse gas emissions in all communities, and specifically in CalEnviroscreen-identified disadvantaged communities, especially racial minority and low-income communities (see also WE 603.3).
 - a. Identify fleet operators and agencies with potential for accelerated fleet turnover to advanced technologies through funding opportunities, with special attention to reducing environmental and health impacts within close proximity to freeways and high-traffic volume roadways, and 'sensitive populations' such as children, senior citizens, or persons with chronic obstructive pulmonary disorder, with consideration for California Enviroscreen Disadvantaged Community designation.
 - b. Host or sponsor public workshops on advanced transportation technologies, funding resources, and technician training to encourage local and regional multimodal transportation and land use planning that contributes to greenhouse gas emission reductions.
 - c. Meet with member agencies and other public agencies to determine interest in advanced transportation technologies, fueling infrastructure and shared mobility to better tailor outreach, awareness, and education efforts to meet local needs.

- d. Attend advanced transportation technology conferences and events such as the Advanced Clean Transportation Expo, the NorCal Clean Tech Forum to gain knowledge of current technologies and funding, and encourage investment in Kern County.
- e. Monitor and track infrastructure development and advanced technology vehicle purchases related to Kern COG efforts to document progress.
- f. Respond to inquiries related to advanced technology transportation vehicles and infrastructure.
- g. Coordinate, host, sponsor and participate in local educational activities such as National Drive Electric Week, Clean Air Month, Advanced Transportation Technology Workshops, community and other promotional events. Partner with local agencies as appropriate, attend meetings, and serve on committees.
- h. Promote advanced transportation technology vehicles and infrastructure activities and events through media releases and public outreach.
- i. Kern Electric Vehicle Charging Station (EVCS) Blueprint activities: (a) Engage stakeholders, including presentations to city councils, (b) Write grants or provide technical assistance on grants seeking funding for the electrification projects in the Kern EVCS Blueprint.

End Products (Schedule)

1. SCS Outreach meetings, public input and analysis (4 year cycle)
2. SCS planning support in development of grants and applications (annual).
3. Electric Vehicle Charging Stations in Kern County by Zip Code Report (bi-annual)
4. California Clean Vehicle Rebates issued in Kern County Report (bi-annual)

Revenue Budget

AGENCY	THMA				ETA		FY 18-19 SB-1	STIP PFM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$11,030		\$1,349	\$12,379	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$11,030	\$0	\$1,349	\$12,379	\$0	\$0	\$0	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.3A – SUSTAINABLE COMMUNITIES ADVANCED TECH
PLANNING**

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS) to support SCS development by identifying advanced transportation technology projects to reduce greenhouse gas emissions in all communities, and specifically in Cal Enviro screen-identified disadvantaged communities, especially racial minority and low-income communities (see also WE 603.3). This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. This program contributes to Sustainable Communities Grant-Specific Objectives: (a) to encourage local and regional multimodal transportation and land use planning that furthers the region's RTP/SCS and (b) contributes to the State's GHG reduction targets and other State goals. This Work Element uses 2019-20 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategies.
2. Kern Electric Vehicle Charging Station Blueprint (June 2019) (WE 603.4)
3. 2018, 2019 Kern COG TRANSITions Transit Symposium
4. 2016, 2017, 2018 National Drive Electric Week Events, and Media Campaign
5. Electric Charging Stations by Zip Code Report

Study Design (Tasks & Responsible Agency)

1. SCS Advanced Tech Planning Program – to support SCS development by identifying advanced transportation technology projects to reduce greenhouse gas emissions in all communities, and specifically in CalEnviroscreen-identified disadvantaged communities, especially racial minority and low-income communities (see also WE 603.3).
 - a. Identify fleet operators and agencies with potential for accelerated fleet turnover to advanced technologies through funding opportunities, with special attention to reducing environmental and health impacts within close proximity to freeways and high-traffic volume roadways, and 'sensitive populations' such as children, senior citizens, or persons with chronic obstructive pulmonary disorder, with consideration for California EnviroScreen Disadvantaged Community designation.
 - b. Host or sponsor public workshops on advanced transportation technologies, funding resources, and technician training to encourage local and regional multimodal transportation and land use planning that contributes to greenhouse gas emission reductions.
 - c. Meet with member agencies and other public agencies to determine interest in advanced transportation technologies, fueling infrastructure and shared mobility to better tailor outreach, awareness, and education efforts to meet local needs.

- d. Attend advanced transportation technology conferences and events such as the Advanced Clean Transportation Expo, the NorCal Clean Tech Forum to gain knowledge of current technologies and funding, and encourage investment in Kern County.
- e. Monitor and track infrastructure development and advanced technology vehicle purchases related to Kern COG efforts to document progress.
- f. Respond to inquiries related to advanced technology transportation vehicles and infrastructure.
- g. Coordinate, host, sponsor and participate in local educational activities such as National Drive Electric Week, Clean Air Month, Advanced Transportation Technology Workshops, community and other promotional events. Partner with local agencies as appropriate, attend meetings, and serve on committees.
- h. Promote advanced transportation technology vehicles and infrastructure activities and events through media releases and public outreach.
- i. Kern Electric Vehicle Charging Station (EVCS) Blueprint activities: (a) Engage stakeholders, including presentations to city councils, (b) Write grants or provide technical assistance on grants seeking funding for the electrification projects in the Kern EVCS Blueprint.

End Products (Schedule)

1. SCS Outreach meetings, public input and analysis (4 year cycle)
2. SCS planning support in development of grants and applications (annual).
3. Electric Vehicle Charging Stations in Kern County by Zip Code Report (bi-annual)
4. California Clean Vehicle Rebates issued in Kern County Report (bi-annual)

Revenue Budget

AGENCY	FISMA				FIA		FY 19-20 SB-1	STIP PPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$154,971		\$20,158	\$175,129	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$154,971	\$0	\$20,158	\$175,129	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.4 – SUSTAINABLE COMMUNITIES STRATEGY FORECAST
AND TRAVEL MODEL ACTIVITY PROGRAM

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS), as well as the 2017 Regional Transportation Guidelines for consultation and coordination by all interested parties. This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. It also contributes to Sustainable Communities Grant Specific Objectives: to 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. This Work Element uses 2018-19 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategy
2. Regional Growth Forecasting
3. Travel Model Forecasting

Study Design (Tasks & Responsible Agency)

1. SCS Socio-economic, Land Use, and Travel Model Forecasting Activity Program – for environmental justice and all communities in support of SCS development on a four year cycle (see also work elements 604.2 & 604.3)
 - a. Increase number of TAZs as needed;
 - b. Calculate a build-out analysis of all general plans in Kern County by TAZs;
 - c. Revise school enrollment forecast;
 - d. Revise income forecast;
 - e. Revise group quarters forecast;
 - f. Revise household and household-size forecasts;
 - g. Map data forecasts for visual verification;
 - h. Coordinate modeling assumptions through Regional Transportation Modeling Committee/Regional Planning Advisory Committee;
 - i. Refine UPLAN land-use model for distribution of regional growth forecast;
 - j. Provide modeling/support for regional transportation decision-making;
 - k. Provide modeling/support for air quality conformity modeling;
 - l. Provide modeling/support for local projects and programs;
 - m. Conduct environmental justice analysis of the short-range program and long-range plans to evaluate and determine transportation impacts;
 - n. Develop initial modeling methodology to meet SB 375 requirements;
 - o. Participate in San Joaquin Valley Model Improvement Program;
 - p. Maintain airport ground access routes in the travel demand model;
 - q. Assess the intermodal feasibility of proposed aviation, highway, public transit, goods movement, and non-motorized transportation projects. Continue to monitor and update proposed at-grade and grade-separated rail safety projects (Kern COG);

- r. Identify short- and long-range strategies and actions to meet projected demands (Kern COG);

End Products (Schedule)

1. SCS status and modeling report (bi-annual)
2. Draft SCS initial model methodology submittal (on a four-year cycle)
3. Final SCS initial model methodology report (on a four-year cycle)
4. Draft SCS socio-economic data forecast report (quadrennial)
5. Final SCS socio-economic data forecast report (on a four-year cycle)
6. Draft SCS land-use model forecast report (quadrennial)
7. Final SCS land-use model forecast report (on a four-year cycle)
8. Draft SCS technical methodology evaluation submittal (quadrennial)
9. Final SCS technical methodology evaluation report (on a four-year cycle)
10. Online SCS growth forecast maps (quadrennial)
11. Online SCS travel model output forecast maps (on a four-year cycle)
12. SCS development and modeling for disadvantaged communities and all other communities for the SCS environmental justice performance report (on a four-year cycle)

Revenue Budget

AGENCY	TFRM				TMA		FY 18-19 SB-1	FY 19-20 SB-1	STIP PFM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover						PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$10,359			\$3,963	\$14,322	\$0	\$0	\$0	\$0
Consultant							\$19,900				\$19,900				
Capital											\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$30,259	\$0	\$0	\$3,963	\$34,222	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 203.4A – SUSTAINABLE COMMUNITIES STRATEGY FORECAST
AND TRAVEL MODEL ACTIVITY PROGRAM

Purpose & Goal

The goal of this program is to fulfill the requirements of the SB 375 Regional Transportation Plan Sustainable Communities Strategy (RTP/SCS), as well as the 2017 Regional Transportation Guidelines for consultation and coordination by all interested parties. This program contributes to Caltrans' mission and overarching objectives for SB 1 formula grant resources: sustainability, preservation, mobility, safety, innovation, economy, health and social equity. It also contributes to Sustainable Communities Grant Specific Objectives: to 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. This Work Element uses 2019-20 SB 1 formula grant funding.

Previous Work

1. 2014 and 2018 Regional Transportation Plan/Sustainable Communities Strategy
2. Regional Growth Forecasting
3. Travel Model Forecasting

Study Design (Tasks & Responsible Agency)

1. SCS Socio-economic, Land Use, and Travel Model Forecasting Activity Program – for environmental justice and all communities in support of SCS development on a four year cycle (see also work elements 604.2 & 604.3)
 - a. Increase number of TAZs as needed;
 - b. Calculate a build-out analysis of all general plans in Kern County by TAZs;
 - c. Revise school enrollment forecast;
 - d. Revise income forecast;
 - e. Revise group quarters forecast;
 - f. Revise household and household-size forecasts;
 - g. Map data forecasts for visual verification;
 - h. Coordinate modeling assumptions through Regional Transportation Modeling Committee/Regional Planning Advisory Committee;
 - i. Refine UPLAN land-use model for distribution of regional growth forecast;
 - j. Provide modeling/support for regional transportation decision-making;
 - k. Provide modeling/support for air quality conformity modeling;
 - l. Provide modeling/support for local projects and programs;
 - m. Conduct environmental justice analysis of the short-range program and long-range plans to evaluate and determine transportation impacts;
 - n. Develop initial modeling methodology to meet SB 375 requirements;
 - o. Participate in San Joaquin Valley Model Improvement Program;
 - p. Maintain airport ground access routes in the travel demand model;
 - q. Assess the intermodal feasibility of proposed aviation, highway, public transit, goods movement, and non-motorized transportation projects. Continue to monitor and update proposed at-grade and grade-separated rail safety projects (Kern COG);

- r. Identify short- and long-range strategies and actions to meet projected demands (Kern COG);

End Products (Schedule)

1. SCS status and modeling report (bi-annual)
2. Draft SCS initial model methodology submittal (on a four-year cycle)
3. Final SCS initial model methodology report (on a four-year cycle)
4. Draft SCS socio-economic data forecast report (quadrennial)
5. Final SCS socio-economic data forecast report (on a four-year cycle)
6. Draft SCS land-use model forecast report (quadrennial)
7. Final SCS land-use model forecast report (on a four-year cycle)
8. Draft SCS technical methodology evaluation submittal (quadrennial)
9. Final SCS technical methodology evaluation report (on a four-year cycle)
10. Online SCS growth forecast maps (quadrennial)
11. Online SCS travel model output forecast maps (on a four-year cycle)
12. SCS development and modeling for disadvantaged communities and all other communities for the SCS environmental justice performance report (on a four-year cycle)

Revenue Budget

AGENCY	FLEX				TIA		FY 18-19 SB-1	FY 19-20 SB-1	STIP PFM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover						PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG								\$96,628		\$15,055	\$111,683	\$0	\$0	\$0	\$0
Consultant								\$19,900			\$19,900				
Capital											\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$116,528	\$0	\$15,055	\$131,583	\$0	\$0	\$0	\$0

300 ECONOMIC DEVELOPMENT

The economic climate of the Kern region is a vital element in the well-being of the area. Housing, land use and transportation are directly related to the economic condition of the area.

The strengthening of the economic climate will assist in developing a balanced multi modal transportation system that is designed to contribute to the attainment of air quality and other environmental goals; to provide reasonable and affordable transportation for the elderly, handicapped and disadvantaged.

No projects are programmed in FY 2019-2020.

400 HEALTH

Kern COG is concerned about any adverse effects its policies and programs might have on community health and related issues. All activities are carefully reviewed for potential impacts on community health. In addition, Kern COG attempts to take advantage of all opportunities to improve and protect public health through its environmental and other projects (please see Work Element 601.4).

Kern COG also considers health and related issues in its role as area wide clearinghouse.

No projects are programmed in FY 2019-2020.

500 SAFETY AND JUSTICE

Kern COG has a responsibility to ensure its programs and policies protect public safety and promote justice. These general goals are an integral part of each of Kern COG's programs.

Kern COG is responsible for ensuring that land use policies in the vicinity of public use airports protect public safety. The area-wide housing plan is intended to promote policies that encourage the provision of a safe and pleasant community environment for all. Kern COG's transportation planning policies promote a safe means of travel for all segments of society.

No projects are programmed in FY 2019-2020.

Kern COG is responsible for managing a continuous, cooperative and comprehensive transportation planning process and program. The Regional Transportation Plan is the key long-range planning document for ensuring integrated transportation system improvements meets the challenge of a mobile society today and in the future.

The Kern regional transportation program addresses all modes and unique needs of a vast and diverse region. Transportation is related to land use, housing, recreation, open space and resource conservation. The elements are a part of both the process and plan. The regional transportation planning process places emphasis on service level improvement for all modes and refinement of the relationship of each mode to the overall transportation plan.

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 601.1 – REGIONAL TRANSPORTATION PLAN/
CONGESTION MANAGEMENT PROCESS**

Purpose & Goal*

On a four-year cycle, amend and update the Regional Transportation Plan (RTP) to address short- and long-term multi-modal transportation needs over a 20-year timeframe in compliance with applicable federal and state requirements, using an integrated document approach. Some of the requirements addressed by the RTP include Federal Code Title 23 Part 450.320 congestion management process (CMP) and California Government Code Sec. 65080(b)(2) sustainable communities strategy (SCS).

*Meets the following planning emphasis areas for California: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. 2011, 2014, 2018 RTPs, inclusive of Program Environmental Impact Reports;
2. 2012, 2014, 2016 and 2018 Regional Transportation Improvement Programs;
3. 2011 Metropolitan Bakersfield Long-Range Transit Plan;
4. 2002 Metro Bakersfield System Study; Thomas Roads Improvement Program;
5. San Joaquin Valley Goods Movement Plan (Phases I-III); Kern County Truck Origin/Destination Study Series (Phases I-III);
6. Approval of 2014 RTP Amendment 1 (2016), Amendment No. 2 (2017);
7. California Air Resources Board acceptance of the Sustainable Communities Strategy (July 2015);
8. Federal approval of the 2019 Federal Transportation Improvement Program and related Conformity Analysis and 2018 Regional Transportation Plan (December 2018); and
9. 2019 Federal Transportation Improvement Program (August 2018), 2019 FTIP Amendment 1 (September 2018).

Study Design (Tasks & Responsible Agency)

1. Implement integrated Complete Streets Congestion Management Process, including performance monitoring;
2. Implement the four-year cycle update process for the RTP/SCS, including: revised modeling, public workshops, Capital Improvement Program (CIP) list development, mapping, visualizations and element updates (Kern COG);
3. Comply with the provisions of the California Environmental Quality Act, including applicable sections of federal laws, such as Section 404 of the Federal Clean Water Act. (Consultant);
4. Review and revise conformity analysis, as necessary and re-adopt resolution documenting air quality conformity (Kern COG);
5. Conduct ongoing public outreach activities to identify public and private local transportation issues, transportation options, recommended actions, and implementation programs (Kern COG);

6. Review RTP guidelines and updates to maintain compliance with state and federal mandates, goals, policies and implementing actions of the RTP (Kern COG);
7. Review local agencies' plans and programs to update regional transportation management systems' inventories (Kern COG);
8. Assess plans for transportation-related energy conservation measures that meet Climate Action Plan goals and objectives (Kern COG);
9. Update regional transportation facilities and corridors forecasts to preserve rights-of-way (Kern COG);
10. Assess the intermodal feasibility of proposed: aviation, highway, public transit, goods movement and non-motorized transportation projects. Continue to monitor and update proposed at-grade and grade-separated rail safety projects (Kern COG);
11. Assess transit service connectivity to regional Amtrak stations and high-speed rail service;
12. Identify short- and long-range strategies and actions to meet projected demands (Kern COG);
13. Identify and assess long-range transportation funding strategies;
14. Address federal planning factors (Kern COG);
15. In collaboration with safety officials and law enforcement, assess transportation network safety and security issues (Kern COG);
16. In collaboration with transit operators, evaluate transit issues when amending and/or updating the RTP and include state of good repair needs and investments from the local Transit Asset Management Plans in the RTP (Kern COG);
17. Amend Freight Movement analyses findings, as well as ITS studies, into the RTP (Kern COG);
18. Evaluate the federal congestion management process for consistency with the Regional Transportation Plan (Kern COG);
19. Coordinate the system planning process with Caltrans (Kern COG);
20. Assist local agencies and Caltrans in evaluating transportation facilities' management and operations (Kern COG);
21. Determine a means to address federal surface transportation funding requirements for ground access improvements (Kern COG);
22. Research and coordinate with member agencies to implement the 2014 Regional Transportation Plan;
23. If required, revise, amend and update the Regional Transportation Plan, assuring compliance with state and federal air quality requirements (California Clean Air Act, Federal Clean Air Act Amendments of 1990, and State Implementation Plan) as well as the Air Quality Attainment Plan adopted by the Kern APCD (Kern COG).

End Products (Schedule)

1. Regional Transportation Plan, including amendment(s), environmental document, as required (\$100,000).

Revenue Budget

AGENCY	PIMA				FTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	OMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PFM	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$67,156				\$76,567				\$9,049	\$152,772	\$7,703	\$0	\$8,782	\$0
Consultant								\$32,000		\$32,000	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$67,156	\$0	\$0	\$0	\$76,567	\$0	\$0	\$32,000	\$9,049	\$184,772	\$7,703	\$0	\$8,782	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/20
Work Element # 601.2 – RTP/CIP FINANCIAL ELEMENT**

Purpose & Goal*

Revise, amend and implement the action and financial elements (Capital Improvement Program) of the Regional Transportation Plan (RTP) to address short and long-term financial planning over the life of the Plan.

*Meets the following planning emphasis areas for California: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. 2014 and 2018 RTPs, inclusive of program environmental impact reports;
2. 2015, 2017, and 2019 Federal Transportation Improvement Programs;
3. Congestion Management Program as updated;
4. Kern Data publications; and
5. Other Kern COG planning studies.

Study Design (Tasks & Responsible Agency)

1. Revise, update and amend the 2018 RTP financial element/Capital Improvement Program (CIP) as needed;
2. Update the financial element narrative component to better define the process;
3. Update the CIP analysis to support transportation demand management and transportation control measures;
4. Coordinate transportation demand management actions and transportation control measures to meet needs of major capital improvements;
5. Update funding strategies and actions to meet projected financial demand and shortfall;
6. Maintain a prioritized list of aviation, highway, street and road, public transit, goods movement and non-motorized projects, as well as intermodal options, for the region;
7. Develop data for available transportation funding options with private sector participation;
8. Develop financial nexus for future corridor and subarea studies, such as Bakersfield System Study and high speed rail analysis; and
9. Develop the CIP based on updated lists of transportation projects.

End Products (Schedule)

1. Financial element/Capital Improvement Program amendments as necessary to maintain compatibility with other elements of the 2018 RTP. (June 2020) (\$30,000)
2. Update financial element / Capital Improvement Program for Draft 2022 RTP (June 2020) (\$28,816)

Revenue Budget

AGENCY	P&ID				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PPM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$39,302	\$39,301							\$3,558	\$82,159	\$4,508	\$4,508	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$39,302	\$39,301	\$0	\$0	\$0	\$0	\$0	\$0	\$3,558	\$82,159	\$4,508	\$4,508	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 601.3 – REGIONAL TRANSPORTATION COMMUNITY
SURVEY & OUTREACH

Purpose & Goal

To gain public input on the Regional Transportation Plan/Sustainable Community Strategy process and integrate U.S. Department of Transportation Environmental Justice regulations and Title VI requirements into Kern COG's planning processes. This Work Element uses PL and STIP PPM funds to encourage local and regional multimodal transportation and land use planning, provide education and outreach to disadvantaged communities and strive to achieve sustainability, preservation, mobility, improved health and social equity.

Previous Work

1. Update Public Information Policies and Procedures;
2. Public workshops;
3. Website and newspaper advertising;
4. Community meetings;
5. Regional community survey;
6. 2010, 2012, 2016 Environmental Justice Task Force;
7. California Central Valley Tribal Transportation Environmental Justice Collaborative Project (FY 2008-09); and
8. Tribal Notification Area Map for San Joaquin Valley (GIS map).

Study Design (Tasks & Responsible Agency)

1. Update Public Information Policies and Procedures;
2. Produce and implement public workshop content and structure;
3. Develop materials to advertise workshops in appropriate languages as needed;
4. Attend workshops;
5. Survey workshop attendees;
6. Conduct annual regional community survey;
7. Produce public outreach reports and data analysis;
8. Review and revise as needed existing analytical techniques and public involvement approaches to ensure that the planning process successfully integrates environmental justice into decision making;
9. Reconvene as needed the Environmental Justice Task Force to assess and ensure compliance of Kern COG's transportation planning efforts with environmental justice requirements of Title VI;
10. Update and map locations of low-income, minority and tribal communities using latest Census information;
11. Identify transportation needs of target populations, including disadvantaged communities and Environmental Justice communities;
12. Quantitatively assess benefits and burdens of transportation plans with respect to target populations;

13. Incorporate target populations' benefits and burdens into a travel-demand forecasting model to assess the benefits and burdens of existing and planned transportation system investments on target populations;
14. Identify measures with which to compare the respective treatment of target and non-target populations in the planning process, such as population-based measures, geographic-based measures and visual-based measures;
15. Continue government to government coordination with the Tejon Indian Tribe and tribal communities generally for the RTP development process;
16. Compare investments across different modes to identify and minimize disparate impacts to traditionally underserved populations;
17. Evaluate environmental justice policies for the RTP and RTIP;
18. Meet with the federally recognized Tejon Indian Tribe to develop agreements, procedures and policies that outline roles, responsibilities and key decision points on a government-to-government basis;
19. Coordinate with state-recognized tribes on environmental justice issues, including cultural resource mapping, cultural place naming strategies and transit.

End Products (Schedule) (All products funded by SB1 unless stated otherwise)

1. Outreach at Community Events (July 2019 – June 2020).
2. Newspaper advertising (July 2019 – June 2020).
3. Public workshops and community meetings (July 2019 – June 2020).
4. Regional community survey (Consultant) (March 2020) (\$75,000 – STIP PPM).
5. GIS maps of minority and low-income populations (June 2020).
6. Integrate U.S. Department of Transportation Environmental Justice regulations into the Regional Transportation Plan process (June 2020).
7. Monitor Integrated Performance Measures Analysis from 2018 Regional Transportation Plan (June 2020).
8. Revise environmental justice modeling metro and non-metro TAZs and job centers TAZs (June 2020).

Revenue Budget

AGENCY	FTE/A				FTE		FY 18-19 SB-1	STIP PPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$10,851								\$467	\$11,318	\$1,245	\$0	\$0	\$0
Consultant								\$75,000		\$75,000	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$10,851	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$467	\$86,318	\$1,245	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 601.4 – FEDERAL PERFORMANCE MEASURES DATA AND ANALYSIS

Purpose & Goal*

Establish and monitor a variety of highway safety, bridge, pavement and overall system performance measures within the transportation planning process. Provides for data gathering and analysis to promote a safe, sustainable, integrated and efficient transportation system to enhance the region's economy, health and livability.

*Meets the following California Planning Emphasis Areas: Core Planning Functions.

Previous Work

1. 2018 & 2019 Federal MPO/State Safety Performance Measure (PM 1);
2. 2018 Federal MPO/State Pavement & Bridge Performance Measure (PM2);
3. 2018 Federal MPO/State Travel Time Reliability Performance Measure (PM3);
4. Completion of PM 1-3 targets;
5. Participated in PM1-3 Webinars and Trainings;
6. 2014 and 2018 Environmental Justice Measures Analysis;
7. 2012 Project Delivery Policies and Procedures; and
8. Developed Health Equity Performance Measures.

Study Design (Tasks & Responsible Agency)

1. PM 1 - Consider and adopt two measures to assess motorized fatalities:
 - Number of fatalities
 - Rate of fatalities
2. PM 1 - Consider and adopt two measures to assess motorized serious injuries:
 - Number of serious injuries
 - Rate of serious injuries
3. PM 1 - Consider and adopt one measure for non-motorized safety performance:
 - Number of non-motorized fatalities and non-motorized serious injuries
4. PM 2 -Consider and adopt two measures for Interstate System pavement condition:
 - Percentage of pavements on the Interstate System in Good condition
 - Percentage of pavements on the Interstate System in Poor condition
5. PM 2 - Consider and adopt two measures for National Highway System (NHS) pavement condition:
 - Percentage of pavements on the NHS (excluding the Interstate System) in good condition
 - Percentage of pavements on the NHS (excluding the Interstate System) in poor condition
6. PM 2 - Consider and adopt two measures of bridge condition:
 - Percentage of NHS bridges in Good condition
 - Percentage of NHS bridges in Poor condition

7. PM 3 - Consider and adopt four system-wide measures:
 - Percentage of reliable person-miles traveled on the Interstate
 - Percentage of reliable person-miles traveled on the non-Interstate NHS
 - Percent change in CO2 emissions from 2017, generated by on-road mobile sources on the NHS.
 - A measure evaluating truck travel time reliability on the Interstate system (average truck reliability index).
8. PM 3 - Consider and adopt three measures to assess the federal Congestion Mitigation Air Quality program:
 - Total emission reductions for applicable criteria pollutants, for non-attainment and maintenance areas
9. PM 3 - Consider and adopt two measures to assess traffic congestion:
 - Annual hours of peak hour excessive delay per capita
 - Modal share; specifically, the percent of non-single occupancy vehicle travel, including travel avoided by telecommuting.
10. Update disadvantaged communities mapping as needed.
11. Implement a Federal Transit Administration (FTA) Transit Asset Management Plan and Performance Measures (rolling stock, equipment, facilities, infrastructure; and Caltrans transit "State of Good Repair" countywide reporting program).
12. System level integrated performance measures for Environmental Justice, Title VI, and smart mobility framework.
13. Project Level Performance measures to support the transportation improvement program and grant applications.
14. Continue developing and monitoring health performance measures in coordination with health advocates.

End Products (Schedule)

1. MPO PM 1 Targets (February 2020)
2. MPO PM 2-3 Targets (November 2019)
3. MPO PM Online Report (November 2019)

Revenue Budget

AGENCY	FMSA				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	FY 15-19 SB-1	STIP PPM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$20,404								\$1,520	\$21,924	\$2,340	\$0	\$0
Consultant										\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0
Total	\$20,404	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,520	\$21,924	\$2,340	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 602.1 – TRANSPORTATION IMPROVEMENT PROGRAM

Purpose & Goal*

Develop a multimodal transportation system and implement long-range transportation plans in the Kern County area.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. 2011, 2014 and 2018 Regional Transportation Plan and amendments;
2. 2015, 2017 and 2019 Regional/Federal Transportation Improvement Program;
3. Amendments to the 2019 Federal Transportation Improvement Program; and
4. California Transportation Improvement Program System (CTIPS).

Study Design (Tasks & Responsible Agency)

1. Develop and manage the Federal Transportation Improvement Program;
2. Develop and manage the Regional Transportation Improvement Program;
3. Conduct outreach meetings and workshops to develop Transportation Improvement Programs and lists of capital projects;
4. Coordinate state and federal-aid capital improvement programs including ranking and development, review and approval for project applications;
5. Conduct conformity analysis, adopt resolution to accept conformity findings and document conformity with various air quality strategies;
6. Monitor proposed at-grade and grade-separated rail projects;
7. Evaluate compliance with air quality conformity, state implementation plan, NEPA and Title VI in project delivery process;
8. Monitor California Transportation Commission and legislative proposals related to transportation financing;
9. Continue CTIPS and participate in statewide programming coordination meetings;
10. Update transportation improvement project selection policy as needed to include new state and federally mandated air quality and planning policies.

End Products (Schedule)

1. 2019 FTIP Amendments. (December 2020) (\$100,000).
2. 2021 FTIP. (December 2020) (\$100,000).
3. 2020 RTIP. (June 2020) (\$100,000).

Revenue Budget

AGENCY	WSP				FIA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP/PM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$189,633	\$129,575							\$11,778	\$330,986	\$21,751	\$14,862	\$0
Consultant										\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0
Total	\$189,633	\$129,575	\$0	\$0	\$0	\$0	\$0	\$0	\$11,778	\$330,986	\$21,751	\$14,862	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/20
Work Element # 602.2 – LOCAL ASSISTANCE FOR FEDERAL-AID PROJECTS

Purpose & Goal*

Assist local agencies with the federal aid application process required when using state or federal dollars. Work cooperatively with Caltrans Office of Local Assistance, Caltrans Planning, Federal Highway Administration and Federal Transit Administration to facilitate construction and reimbursement of federal aid projects.

*Meets the following California Planning Emphasis Areas: Core Planning Activities, Performance Management and State of Good Repair.

Previous Work

1. 2011, 2014 and 2018 Regional Transportation Plan and amendments;
2. 2015, 2017 and 2019 Regional/Federal Transportation Improvement Programs;
3. Short-range transit plans;
4. Accessing California Transportation Improvement Program System database;
5. Congestion Management Program Updates.

Study Design (Tasks & Responsible Agency)

1. Assist local agencies and Caltrans with State Transportation Improvement Program (STIP) project development and other state funded programs;
2. Host local assistance training opportunities and promote federal-aid training opportunities off-site;
3. Monitor RIP, IIP, RSTP, CMAQ, ATP and other federal-aid projects. Monitor state funded projects, including SB 1 programs and projects. Report status of projects to Caltrans, CTC and member agencies annually;
4. Participate with Caltrans in state highway project development, coordination and programming;
5. Monitor Caltrans' expenditures and activities to assure Kern regional projects are timely and budget constrained; and
6. Develop and submit responses to project delivery inquiries to local agencies, Caltrans Local Assistance, Caltrans Planning, FHWA, and FTA.

End Products (Schedule)

1. Project status reports (CMAQ/RSTP/ATP/TDA Article 3) to local agencies. (quarterly) (\$60,000)
2. Progress Report for Projects of Regional Significance (quarterly) (\$90,000)
3. Project status workshops (\$50,000)

Revenue Budget

AGENCY	FHWA				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP/FM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$194,770	\$40,214							\$7,991	\$242,975	\$22,340	\$4,613	\$0
Consultant										\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0
Total	\$194,770	\$40,214	\$0	\$0	\$0	\$0	\$0	\$0	\$7,991	\$242,975	\$22,340	\$4,613	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 603.1 - TRANSPORTATION SYSTEMS
MONITORING AND COORDINATION**

Purpose & Goal*

To monitor and coordinate transportation planning, the transportation plan implementation process and management system requirements of the Federal transportation re-authorization bill.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. 2001 San Joaquin Valley Strategic Deployment Plan; and
2. 2005 San Joaquin Valley Intelligent Transportation Systems (ITS) Architecture Maintenance Plan.
3. 2018 Intelligent Transportation Systems Plan for the Kern Region

Study Design (Tasks & Responsible Agency)

1. Participate in transportation monitoring systems for projects funded in the FTIP through project status meetings with member agencies;
2. Provide technical assistance and transportation-related assistance to member agencies;
3. Analyze, update and integrate new population estimates and other demographic information to provide consistent population, economic and employment projections for a comprehensive areawide planning process;
4. Coordinate and cooperate with Caltrans in developing system planning studies;
5. Encourage and coordinate public involvement in transportation planning services at state, regional and local levels;
6. Coordinate regional transportation planning activities with local land use agencies and local system planning studies;
7. Monitor and coordinate the operational and physical continuity of transportation system within the region with neighboring regions.
8. Monitor local planning activities for transportation related energy conservation measures that meet federal, state and local goals and objectives;
9. Continue to monitor and update proposed at-grade and grade-separated rail safety projects for Kern County;
10. Review each transportation proposal, short-range transit plan or social service requests to be included with or measured against, the Regional Transportation Plan; and
11. Monitor and review Intelligent Transportation Systems (ITS) activity at the federal, state, valley, and local level.
12. District 9 is updating its ITS plan including the state highway system in eastern Kern County.

End Products (Schedule)

1. Project status meeting report. (June 2020 Kern COG TPPC Meeting) (\$24,000)
2. ITS database update. (As requested and approved by the Architecture Maintenance Committee) (\$30,000)

Revenue Budget

AGENCY	FHWA				FTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP PPM	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$72,413								\$3,366	\$75,779	\$8,306	\$0	\$0	\$0
Consultant										\$0	\$0	\$0	\$0	\$0
Capital										\$0	\$0	\$0	\$0	\$0
Total	\$72,413	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,366	\$75,779	\$8,306	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 603.2 – TRAFFIC COUNT PROGRAM

Purpose & Goal*

Provide data to assess existing and planned transportation systems performance as required by the Clean Air Act; for transportation planning management system requirements of the federal Moving Ahead for Progress in the 21st Century (MAP-21) law; and to avoid duplication of traffic count effort among local jurisdictions.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. Federally mandated Highway Performance Monitoring system (HPMS);
2. 1984-present, local agency traffic counts;
3. Annual transportation report;
4. Kern Regional Transportation Modeling Committee;
5. Kern COG regional transportation model calibration;
6. Monitor directional splits for calibration of the Kern COG peak hour model;
7. Predict commodity flow and freight movements;
8. Monitor speed data for posted speed limit change analysis;
9. Monitor recurring unsafe speed locations additional speed enforcement activity signalization safety improvement analysis;
10. Planning, design and construction of federal aid projects;
11. Apportionment or allocation of federal funds;
12. Air Quality, Environmental impact analysis;
13. Pavement maintenance, research and supporting the Strategic Highway Research Program (SHRP);
14. Upgraded traffic count website.
15. Develop a Bicycle and Pedestrian Monitoring Plan within the Regional Transportation Monitoring Plan;
16. Establish a Bicycle and Pedestrian Count Program, including a list of anticipated count locations.
17. Developed a regional traffic count program that includes counts in both incorporated and unincorporated disadvantaged communities.

Study Design (Tasks & Responsible Agency)

1. Participate in the Highway Performance Monitoring System (HPMS) Program, including traffic counts on designated segments;
2. Coordinate HPMS information into the Kern GeoNet system;
3. Oversee a Regional Traffic Count Program;
4. Hold bi-monthly Kern Regional Transportation Modeling Committee meetings;
5. Oversee Regional Traffic Count Service contract and perform quality assurance testing for all deliverables;
6. Maintain a Regional Speed Survey program;
7. Conduct a bike census.
8. Establish Bike and Pedestrian Count Website.

9. Maintain and update traffic, bicycle and pedestrian count plan, ensuring adequate coverage of disadvantaged communities.
10. Coordinate the Disadvantaged Communities/Environmental Justice Mapping in Work Element 201.1 with the Bicycle and Pedestrian Count Program.

End Products (Schedule)

1. Annual HPMS Survey. (May 2020) (\$3,000).
2. Annual traffic count resource. (June 2020) (\$3,000).
3. Traffic, Bicycle and Pedestrian Count Program. (Consultant) (June 2020) (\$79,677).
4. Traffic Count Website maintenance (Consultant) (June 2019) (\$3,000).
5. Bicycle and Pedestrian Count Website maintenance (Consultant) (June 2020) (\$2,803).

Revenue Budget

AGENCY	FHWA				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	OMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP PFM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$0	\$0	\$0	\$0	\$0
Consultant			\$79,677						\$11,803	\$91,480	\$0		
Capital									\$0				
Total	\$0	\$0	\$79,677	\$0	\$0	\$0	\$0	\$0	\$11,803	\$91,480	\$0	\$0	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 603.3 – ADVANCED TRANSPORTATION
TECHNOLOGY PLANNING**

Purpose & Goal*

To promote advanced transportation technologies in public and private fleets and infrastructure operations throughout the Kern region to reduce emissions, promote sustainable travel modes and maximize system efficiency. Provides a more sustainable, efficient transportation system through innovation.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. 2018 Regional Transportation Plan (and 2014);
2. 2019 Kern Electric Vehicle Charging Station Plan development;
3. 2012 Kern Region Energy Action Plans: Local Government Operations Protocol Greenhouse Gas Inventories;
4. San Joaquin Valley Air Pollution Control District Plug-in Electric Vehicle Readiness Plan;
5. Project delivery, grant research, and writing;
6. San Joaquin Valley Electric Vehicle Partnership member (2013-2018);
7. National Drive Electric Week 2016-2018.

Study Design (Tasks & Responsible Agency)

1. Identify fleet operators and agencies with potential for accelerated fleet turnover to advanced technologies through funding opportunities, with special attention to reducing environmental and health impacts within close proximity to freeways and high-traffic volume roadways, and 'sensitive populations' such as children, senior citizens, or persons with chronic obstructive pulmonary disorder, with consideration for California EnviroScreen 3.0 Disadvantaged Community designation.
2. Host or sponsor public workshops on advanced transportation technologies, funding resources, and technician training.
3. Meet with member agencies and other public agencies to determine interest in advanced transportation technologies, fueling infrastructure and shared mobility.
4. Attend the May 2020 Advanced Clean Transportation Expo in Long Beach, the NorCal Clean Tech Forum or other advanced transportation technology conferences.
5. Monitor and track infrastructure development and advanced technology vehicle purchases related to Kern COG efforts.
6. Respond to inquiries related to advanced technology transportation vehicles and infrastructure.
7. Coordinate, host, sponsor and participate in local activities for National Drive Electric Week, Clean Air Month, community and promotional events. Partner with local agencies as appropriate, attend meetings, and serve on committees.

8. Promote advanced transportation technology vehicles and infrastructure activities and events through media releases and public outreach.
9. Upon completion, implement the 2019 Kern Electric Vehicle Charging Station (EVCS) Plan by engaging stakeholders, including presentations to city councils, and writing grants and seeking funding for the electrification projects in the plan.

End Products (Schedule)

1. Project status reports (quarterly) (\$52,503 – **SB1**)
2. Advertising and marketing materials. (annually) (\$1,000 - **local funds**) WE 1001.1
3. National Drive Electric Week (Sept. 14-22, 2019) (\$8,469 and \$6,000 - **PPM**)
4. TRANSITIONS Symposium materials (February 2020) (\$25,407; \$10,000- **PPM**)
5. One public EVCS event or training workshop (\$16,938 and \$12,000 - **PPM**)
6. One public Renewable, Liquefied and Compressed Natural Gas workshop (\$16,938 and \$6,000 **PPM**)
7. Kern Electric Vehicle Charging Space Inventory (bi-monthly) (\$3,388 – **SB1**)
8. Grant Application(s) to implement the 2019 EV Charging Station Plan (\$36,039)
9. 2019 EV Charging Station Plan Implementation Presentations (\$17,988)

Revenue Budget

AGENCY	FISMA				FTA		FY 18-19 SB-1	STIP PPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG										\$0	\$0		\$0	\$0
Consultant								\$34,000	\$9,292	\$43,292				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,000	\$9,292	\$43,292	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 603.4 – KERN ELECTRIC VEHICLE (EV) BLUEPRINT

Purpose & Goal*

The goal of this program is to propose a comprehensive and replicable blueprint that identifies the actions and milestones needed to place Kern County on a pathway to achieve its 2018 Regional Transportation Plan and Sustainable Communities Strategy greenhouse gas emission reduction goals at an accelerated rate through high-impact transportation electrification projects.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. 2019 Kern EV Charging Station Plan Development
2. 2014 and 2018 Regional Transportation Plan;
3. San Joaquin Valley Air Pollution Control District Plug-in Electric Vehicle Readiness Plan (Plug-In Electric Vehicle Coordinating Council Member);
4. 2016, 2017, and 2018 National Drive Electric Week events in Bakersfield
5. 2017 Best Drive EV at the Tehachapi AppleFest
6. San Joaquin Valley Electric Vehicle Partnership Market Development Plan (Action Team Member)
7. Electric vehicle charging space inventory for Kern quarterly reports

Study Design (Tasks & Responsible Agency)

Problem Statement:

Kern County is challenged by poor air quality and barriers to the deployment of emission reduction technologies. According to the CalEnviroScreen, 81-90% of the County qualifies as Disadvantaged Area Communities (DACs). DACs generally lack private investment and a capacity to develop clean transportation projects. Nonprofits and governments are overwhelmed and capital-restrained in their efforts to support emission reduction efforts.

The objectives of this program are to:

- Develop an education and outreach strategy to engage stakeholders
- Document existing emission reduction and transportation electrification goals, as well as steps taken to achieve them
- Identify potential transportation electrification projects in Kern County communities
- Develop a methodology to analyze and then rank specific electrification projects based on superior economic, environmental and technical performance with a weighting towards DACs
- Using the blueprint rubric, decide from the list of projects identified the most optimal transportation electrification projects based on the economic, environmental and technical analyses and present as an appendix to the 2019 Kern EV Charging Station Plan for Electrification (Kern EV Blueprint)
- Showcase financial and business models as well as cooperative strategies in the Kern EV Blueprint and amongst the identified projects
- Produce a blueprint plan toolkit with scoring rubrics, document templates and lessons learned summaries for other communities

End Products (Schedule)

1. Final EV Charging Station Plan Project progress report to the CEC (\$2,073)
2. Final EV Charging Station Plan Project invoice to the CEC (\$21,292)
3. Presentations to Kern COG TTAC, RPAC, and Board (\$493)
4. Final 2019 EV Charging Station Plan (\$2,310)
5. Final 2019 EV Charging Station Plan Toolkit and Distribution Results (\$2,180)

Revenue Budget

AGENCY	FMSA				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	FY 18-19 SB-1	Local Contracts		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG								\$5,989	\$1,666	\$8,655	\$0	\$0	\$0	\$0
Consultant								\$20,799		\$20,799				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,788	\$1,666	\$29,454	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 604.1 – REGIONAL TRAVEL DEMAND MODEL MAINTENANCE

Purpose & Goal*

To develop and maintain the regional travel demand model.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Acquired training, computer software and hardware for Regional Transportation Model;
2. Migrated model from EMME2 to MinuTP to TP+ to Cube Voyager transportation modeling software;
3. Maintained travel network, model scripts and planning assumptions in support of modeling for Federal Air Quality Conformity, Regional Transportation Planning and Programming, Environmental Analysis, Cumulative effects analysis, impact fee analysis;
4. Transportation investment studies for transit and multiple occupancy vehicle use; and
5. Validated model to 1988, 1990, 1994, 2001, 2006, 2008, 2015 base years.

Study Design (Tasks & Responsible Agency)

1. Maintain TAZ boundaries as needed;
2. Maintain transit network in Cube;
3. Maintain transit access file using GIS;
4. Calibrate & validate outlying communities in Cube model to base year 2015;
5. Develop milestone years to check for reasonableness;
6. Bring network and modeling assumptions for the base (existing) and future (2050) years into conformance with existing general plans and assumption;
7. Conduct Title VI environmental justice analysis of the short-range program and long-range plans to evaluate and determine transportation impacts; and
8. Coordinate modeling assumptions and cumulative effect modeling through Regional Planning Advisory Committee.
9. Conform model for various years requested by ARB through 2050.

End Products (Schedule)

1. Model maintenance contract and support. (Ongoing) (Consultant, Kern COG) (\$297,743).

Revenue Budget

AGENCY	FHA/TA				FTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304				PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$119,153	\$111,640							\$60,329	\$291,122	\$13,667	\$12,805	\$0	\$0
Consultant									\$45,000	\$45,000				
Capital										\$0				
Total	\$119,153	\$111,640	\$0	\$0	\$0	\$0	\$0	\$0	\$105,329	\$336,122	\$13,667	\$12,805	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 604.2 – REGIONAL GROWTH FORECAST MODEL
DATA & ANALYSIS

Purpose & Goal*

Provide growth forecast information to develop and maintain the regional travel demand model. Provides for data gathering and analysis to promote a more safe, sustainable, integrated and efficient transportation system to enhance the region's economy, health and livability.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Adopted 2015-2050 Regional Growth Forecast (November 2015).
2. Updated 2014 employment data (June 2015).
3. Redistributed socio-economic data based on latest assumptions to transportation analysis zones (TAZs);
4. Acquired land use modeling software for distribution of regional growth forecast;
5. Supported the regional transportation model.
6. Coordinated with San Joaquin Valley Demographic Forecast update.
7. Updated forecast base-year population with 2010 Census data.
8. Updated employment data to 2015 base year and added employment types;
9. Regional Growth Forecast Update 2018-2050 (June 2019)

Study Design (Tasks & Responsible Agency)

1. Increase number of TAZs as needed;
2. Calculate a build-out analysis of all general plans in Kern County by TAZs;
3. Revise school enrollment forecast;
4. Revise income forecast;
5. Revise group quarters forecast;
6. Revise household and household-size forecasts;
7. Map data forecasts for visual verification;
8. Coordinate modeling assumptions through Regional Transportation Modeling Committee/Regional Planning Advisory Committee; and
9. Refine UPLAN land-use model for distribution of regional growth forecast.

End Products (Schedule)

1. Status and modeling report (bi-annual)
2. Draft/Final Regional Growth Forecast (quadrennial)
3. Land-use model development & updates (as needed)

Revenue Budget

AGENCY	FND/RA				PTA		FY 18-19 SB-1	STIP FPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kenn COG	\$8,501								\$468	\$8,969	\$975	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$8,501	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$468	\$8,969	\$975	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 604.3 – REGIONAL TRAVEL DEMAND MODEL ANALYSIS

Purpose & Goal*

Kern COG's transportation model assists in regional transportation and land use planning decisions. Provides for data gathering and analysis to promote a safer, sustainable, integrated and efficient transportation system to enhance the region's economy, health and livability.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. Highway 178 Corridor Study;
2. Westside Parkway Highway Study;
3. Metro Bakersfield Land Use/Circulation Plan;
4. West Beltway Corridor Study;
5. Morning Drive Corridor Study;
6. Route 58 Study;
7. GET Public Transportation Study;
8. GET Metropolitan Transportation Investment Strategy;
9. South Beltway Study;
10. Downtown Delano Study;
11. SE Kern Transportation Study Tier I EIR specific requests;
12. 2006 Transportation Model Update;
13. Cube Land integrated land use and transportation model pilot project;
14. Centennial Corridor Study.
15. Wasco High Speed Rail Impact Study
16. Delano Transit Study

Study Design (Tasks and Responsible Agencies)

1. Provide modeling/support for regional transportation decision-making;
2. Provide modeling/support for air quality conformity modeling;
3. Provide modeling/support for local transportation impact fees;
4. Provide modeling/support for regional and member agency requested corridor studies; and
5. Conduct Title VI environmental justice analysis of the short-range program and long-range plans to evaluate and determine transportation impacts.
6. Participate in San Joaquin Valley Model Improvement Program.
7. Maintain airport ground access routes in the travel demand model.
8. Assess the intermodal feasibility of proposed aviation, highway, public transit, goods movement, and non-motorized transportation projects. Continue to monitor and update proposed at-grade and grade-separated rail safety projects (Kern COG);
9. Identify short- and long-range strategies and actions to meet projected demands (Kern COG);

10. Provide oversight for modeling support contracts

End Products (Schedule) (All products funded with SB1 & local match)

1. Model support for regional air quality conformity analysis and amendments. (quarterly)
2. Modeling to support development of local transportation impact fees. (annually)
3. Transportation modeling. (monthly)
4. Modeling to support development of the Sustainable Communities Strategy. (monthly)

Revenue Budget

AGENCY	TIEV				FTA		FY 18-19 SB-1	STP PPM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$30,715								\$2,013	\$32,728	\$3,523	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$30,715	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,013	\$32,728	\$3,523	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 605.1 - CORRIDOR/MAJOR INVESTMENT/IMPACT STUDIES

Purpose & Goal*

To study transportation corridors, interchanges and proposed roadway system improvements throughout the region.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. 2014 and 2018 Regional Transportation Plan;
2. 2015, 2017 and 2019 Regional/Federal Transportation Improvement Program;
3. Highway 178 "M" Street to Highway 99 Study;
4. Kern River Canyon Highway Study;
5. Fairfax Road Interchange Study;
6. Tehachapi Railroad Crossing Study;
7. Metro Bakersfield General Plan;
8. Delano Superblock 8 Transportation Impact analysis;
9. Route 33 Traffic analysis;
10. Morning Drive Corridor Study;
11. Highway 58 to Alfred Harrell Highway Study;
12. Mojave Corridor Study and the South Beltway Corridor Study;
13. Routes 46 and 65 Safety Task Force Studies;
14. Route 65 TCRP Study;
15. 7th Standard Road and Cecil Avenue Studies; and
16. Bakersfield System Study.

Study Design (Tasks & Responsible Agency)

1. Analyze traffic count and traffic accident data;
2. Conduct detailed roadway analyses in areas affected by planned developments;
3. Conduct detailed roadway analyses in areas experiencing increasing traffic congestion;
4. Provide technical assistance to local agencies upon request;
5. Assist Caltrans with system planning activities;
6. Comply with the provisions of the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA);
7. Conduct detailed analyses of impacts of development on air quality;
8. Coordinate with other agencies to document environmental factors that support project level NEPA and Section 404 requirements;
9. Assess the intermodal feasibility of proposed transportation projects, strategies and actions;
10. Identify corridor and subarea studies to support decisions on the design concepts and scope of proposed major transportation investments;
11. Ensure the Title VI, environmental justice criteria is applied to all corridor plans;

12. Attend Advisory Committee Transportation Concept Report meetings to provide direction and comment on TCR documents;
13. Attend California Highway Patrol Corridor Safety Task Force meetings;
14. In collaboration with safety officials and law enforcement, encourage safety and security integration in the transportation planning process; and
15. Work with local agencies and Caltrans to better coordinate CEQA and NEPA during transportation project development in the regional transportation planning process.

End Products (Schedule)

1. Web-based regional traffic count historical analysis. (annually) (\$3,000)
2. Technical assistance memorandums of agreement. (annually) (\$526)
3. Technical analysis and background supporting Regional Transportation Plan environmental documents. (monthly) (\$3,000)

Revenue Budget

	FRAA				FIA				Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP PPM			PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$2,881								\$224	\$3,085	\$328	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$2,881	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$224	\$3,085	\$328	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element #606.1 – TRANSIT, AVIATION AND PASSENGER RAIL PLANNING

Purpose & Goal*

To provide comprehensive short and long-range transit planning for the Kern region while improving safety and security for all public transportation riders and airport users.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. 2017 Active Transportation Plan including Transit Infrastructure Recommendations.
2. Shafter Transportation Development Plan (2016)
3. Wasco Transportation Development Plan (2016)
4. Kern County Transit Security Plan (2013)
5. Metropolitan Bakersfield Transit System Long-range Plan (2012)
6. Metropolitan Bakersfield Fixed Guideway Passenger System, Phase I;
7. 2005 Eastern Sierra Public Transportation Plan
8. 2004 Regional Transportation Improvement Program
9. 2004 Regional Rural Transit Strategy
10. 1998, 2000, and 2004 Regional Transportation Plan;
11. Metropolitan Bakersfield Major Investment Strategy (1997)
12. 1990 Short-Range Transit Plan;
13. Regional Transit Guide (1987 and 1990)
14. Rural Transportation Inventory (1987)

Study Design (Tasks & Responsible Agency)

1. Monitor public and private transit providers' planning-related activities, including vehicle inventory updates; patronage and ridership data; financial and operational data; and transit services evaluation to the general public and transit-dependent;
2. Work with Golden Empire Transit District and CTSA to address service planning, ADA compliance, and services for the elderly and disabled;
3. Coordinate short and long-range transit and land-use planning efforts for getting Kern County and member cities in the TIP process;
4. Monitor and/or conduct public workshops to identify local transportation issues, transportation options, recommended actions, and implementation programs;
5. Identify corridor and subarea studies to be performed;
6. Review and monitor existing financial capabilities, identify future financial requirements, and new revenue sources;
7. Implement Kern COG's Public Transportation Modernization, Improvement, and Service Enhancement Act policy (PTMISEA)
8. Implement Kern COG's Low-Carbon Transit Operations Program (LCTOP)

9. Provide technical assistance to transit providers in transit planning, marketing, coordination and other related issues;
10. Monitor and report on legislation;
11. Collect monthly transit operating statistics from public transit operators, and maintain a transit performance database;
12. Conduct quarterly transit operator meetings to discuss operations and planning issues;
13. Help coordinate public transit and human service transportation programs;
14. Assist jurisdictions with implementing Regional Transportation Plan transit policies and actions;
15. Analyze, identify and recommend improvements in the transit system to better serve people in transition from welfare to work;
16. Ensure that environmental justice criteria are applied to transit plans; and
17. Assess the need for tribal and farm-worker transportation, including vanpools, in Kern County.
18. Review Transit Security Plan annually and update as required (Kern COG);
19. Attend Countywide Transit Security and Emergency Management meetings (Kern COG);
20. Monitor Kern County airport planning efforts and assist with Kern County airport master plan updates when appropriate; and
21. Monitor all passenger rail planning activities within Kern County as appropriate and participate as required.
22. Coordinate tasks with Work Element 608.1 Active Transportation Planning.
23. Coordinate Tasks with the Valley Go Plan

End Products (Schedule)

1. FTA Section 5311 Program of Projects. (March 2019) (\$23,916)
2. Transit Operators Meeting minutes. (quarterly) (\$20,000)
3. FTA Section 5310 grant applications. (February 2020) (\$20,000)
4. Transit System Safety, Security, and Disaster Response Account (TSSSDRA) Program of Projects. (June 2019) (\$20,000)
5. Public Transportation Modernization, Improvement, and Service Enhancement Act (PTMISEA) project delivery and closeout. (June 2019) (\$20,000)
6. Low-Carbon Transit Operations Program of Projects (March 2019) (\$20,000)
7. Caltrans State of Good Repair annual Program of Projects (September 2019) (\$20,000)
8. Kern County Valley Go Plan

Revenue Budget

AGENCY	FMSA				FSA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PFM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$64,923	\$15,767			\$9,816	\$82,202			\$12,414	\$185,122	\$7,447	\$1,808	\$1,126	\$9,429
Consultant										\$0				
Capital										\$0				
Total	\$64,923	\$15,767	\$0	\$0	\$9,816	\$82,202	\$0	\$0	\$12,414	\$185,122	\$7,447	\$1,808	\$1,126	\$9,429

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 606.3
TRANSIT-ORIENTED DEVELOPMENT AND PARKING PRICING**

Purpose & Goal*

To produce the Bakersfield Transit-Oriented Development(TOD) and parking pricing studies to document suitable locations for multi-modal TOD and provide an economic analysis of potential sites and managed parking pricing, while also supporting Kern Regional Transportation Plan (RTP) development by building on the Metropolitan Transit Center Studies.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Bakersfield Parking Pricing Study (June 2018);
2. Metropolitan Bakersfield Transit Center Study (2015);
3. Metropolitan Bakersfield Bike Master Plan (2013);
4. GET Long-term Transit Plan (2012);
5. Metropolitan Bakersfield High-Speed Rail Terminal Impact analysis (2003); and
6. Bakersfield System Study Summary Report (2002).

Study Design (Tasks & Responsible Agency)

1. Produce an agreement with a member agency to evaluate public transit services, transit-oriented development, and/or Parking Pricing;
2. Develop a TOD and/or Parking Pricing study;
3. Create visualizations illustrating one or more potential TOD sites that could be funded through parking pricing strategies;
4. Monitor TOD Parking Pricing study.

End Products (Schedule)

1. Bakersfield Parking Pricing Study.

Revenue Budget

AGENCY	FHWA				FTA					TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PFM			Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG										\$21,400	\$21,400	\$0	\$0	\$0	\$0
Consultant											\$0				
Capital											\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,400	\$21,400	\$0	\$0	\$0	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020**

Work Element # 606.5 –RURAL ALTERNATIVE TRANSIT PLAN

Purpose & Goal *

The Rural Alternative Transit Plan will use the State of California *Statewide Transit Strategic Plan* to introduce best practices of introducing electric public transit vehicles, TDA subsidized transit network companies (TNCs), privately owned shared electric vehicle companies to lessen operating costs of Kern's rural public transit operators. Estimate final plan by June 30, 2020.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. 2007, 2011 and 2014 Regional Transportation Plans;
2. Kern County Transit Security Plan (2013).
3. Kern Regional Blueprint (2006-2008);
4. Eastern Sierra Public Transportation Plan (2005); and
5. Regional Rural Transit Strategy (2004);
6. Taft Transportation Development Plan 2015;
7. McFarland Transportation Development Plan 2015;
8. Kern River Valley Transportation Development Plan 2015; and
9. Shafter/Wasco Transportation Development Plan 2016

Study Design (Tasks & Responsible Agency)

1. Recommend projects and technology to reduce operating cost of Kern rural public transit operators over the next five year.

End Products (Five-year Rural Alternative Transit Plan)

None this fiscal year – estimate final plan by June 30 2020.

Revenue Budget

AGENCY	FRAA				FTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	OMAG	Sec. 5303	Sec. 5303 carryover	FY 17-18 SB-1	STP PPM	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$26,154		\$27,618	\$53,772	\$0	\$0	\$0	\$0
Consultant							\$187,007			\$187,007				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$213,161	\$0	\$27,618	\$240,779	\$0	\$0	\$0	\$0

Kern Council of Governments

OVERALL WORK PROGRAM – FY 2019/2020

Work Element # 606.6 – CHSTP UPDATE

Purpose & Goal*

Federal transit law requires that projects selected for funding under the Enhanced Mobility for Individuals and Individuals with Disabilities (Section 5310) Program be "included in a locally developed, coordinated public transit-human services transportation plan (CHSTP). Further, the plan should be developed and approved through a process that included participation by seniors, individuals with disabilities, representatives of public, private, and nonprofit transportation and human services providers and other members of the public" utilizing transportation services. Kern COG recognizes that CHSTP best practices recommend updating the regional CHSTP every five years. Kern COG's last CHSTP was published in 2013. Estimate final plan by June 30, 2019.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. 2007, 2011 and 2014 Regional Transportation Plans;
2. Kern County Transit Security Plan (2013).
3. Kern Regional Blueprint (2006-2008);
4. Eastern Sierra Public Transportation Plan (2005); and
5. Regional Rural Transit Strategy (2004);
6. Taft Transportation Development Plan 2015;
7. McFarland Transportation Development Plan 2015;
8. Kern River Valley Transportation Development Plan 2015; and
9. Shafter/Wasco Transportation Development Plan 2016

Study Design (Tasks & Responsible Agency)

1. Recommend projects and technology to reduce operating cost of Kern County Social Services transit operators and update CHSTP recommendations.

End Products (Schedule)

1. KC Coordinated Human Services Trans Plan update (monthly) (\$77,782).

Revenue Budget

AGENCY	FVWA				FTA		FY 17-18 SB-1	STP/PM	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover					PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG							\$15,861		\$2,055	\$17,916	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$15,861	\$0	\$2,055	\$17,916	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 608.1 – ACTIVE TRANSPORTATION AND COMPLETE STREETS
PROGRAM

Purpose & Goal*

To conduct planning studies for non-motorized and pedestrian transportation facilities that encourage non-motorized transportation modes of transportation as a viable, safe and economical alternative to motorized travel within Kern County.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. 2017 Kern Regional Active Transportation Plan;
2. 2017 Active Transportation Plan with complete Street Project Recommendations;
3. 2012 Kern Regional Bicycle Plan and Complete Streets Recommendations;
4. 2009 Kern River Bike Path Extension Study: SR 43 to Taft;
5. 1994 Environmental Assessment of Kern River Bike Path between Hart Park and California Living Museum;
6. 1994 Kern River Bike Path Extension Alignment Study Update;
7. 1989 Kern River Bike Path Alignment Study;
8. 1984 Metropolitan Bakersfield Bicycle Plan;

Study Design (Tasks & Responsible Agency)

1. Review existing bicycle plans from member agencies;
2. Determine the number of pedestrian facilities constructed throughout the region.
3. Review and rank bicycle and pedestrian projects under California's Active Transportation Program.
4. Toward an Active California State Bicycle Pedestrian Plan is expected to be finalized in 2018. Toward An Active California will guide bicycle planning in California. An update of the Kern County Regional ATP can address the visions and goals of Toward An Active California
5. Monitor construction for planned facilities;
6. Develop facilities mapping;
7. Receive comments and suggestions regarding route selection and facility construction priority scheduling from Active Transportation Plan Steering Committee;
8. Identify funding streams anticipated over period of time;
9. Complete environmental assessment of recommended non-motorized transportation facilities;
10. Submit plans for public review;
11. Receive and respond to public comments; and
12. Adoption of plans by Kern COG.

13. Consultation with tribal governments and environmental justice/disadvantaged communities for the Kern County Active Transportation Plan.
14. Analyze bicycle traffic count program data.
15. Incorporate transit planning considerations in coordinating bicycle and pedestrian planning.
16. The 2017 Regional Active Transportation Plan will be updated as needed and consider the state "Toward an Active California State Bicycle Pedestrian Plan" finalized in April 2017.

End Products (Schedule)

1. Kern Region Active Transportation Plan (\$20,000)
2. Small Cities Bicycle Plans (as a portion of the Kern Region Active Transportation Plan (\$20,000)
3. Active transportation facilities' environmental assessment (\$20,000)
4. Active transportation facilities maps (\$17,400)

Revenue Budget

AGENCY	FISAS				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PPM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG		\$52,384							\$39,910	\$92,294	\$0	\$8,008	\$0
Consultant										\$0			
Capital										\$0			
Total	\$0	\$52,384	\$0	\$0	\$0	\$0	\$0	\$0	\$39,910	\$92,294	\$0	\$8,008	\$0

Kern Council of Governments

OVERALL WORK PROGRAM – FY 2019/2020

Work Element 608.3 Active Transportation Connectivity Planning and Bike Sharing for Disadvantaged Communities

Purpose & Goal: Plan for excellent low-stress active transportation access to High Speed Rail stations in the San Joaquin Valley within 3 mile radius for bicycles, including recommendations for bicycle parking at the station locations and evaluate bike sharing opportunities. Also, evaluate inter-city bicycling connections along the High Speed Rail corridor in the San Joaquin Valley

Previous Work

1. Kern Region Active Transportation Plan.
2. Fresno Active Transportation Plan.
3. Kings County Walk and Bike Plan.
4. Merced County Association of Governments Regional Transportation Plan.
5. Madera County Transportation Commission's Active Transportation Plan.

Study Design (Tasks & Responsible Agency)

1. Project Kick off Meeting notes (Kern COG)
2. Request for Proposal (Kern COG)
3. Formation of Project Steering Committee (Kern COG)
4. Analyze Existing Condition, including bicycle and pedestrian counts were available.
5. Conduct inventory of existing pedestrian facilities within a half mile of "Existing and Planned Community Transit Priority Place Types in Bakersfield.
6. Develop culturally and linguistically competent community outreach plan in collaboration with community partners (such as Cultiva la Salud, Bike Bakersfield, Dolores Huerta Foundation, and Leadership Counsel for Justice and Accountability). Review draft plan with Caltrans and finalize before beginning outreach.
7. Conduct community outreach in each community to share evaluation of existing plans and prioritize destinations, focusing in particular on reaching disadvantaged communities; use best practices for gathering input from DACs, such as offering meetings at accessible times and locations, and offering user-friendly, culturally competent methods of gathering input.
8. Prepare GIS Report of connections among identified destinations including HSR stations to establish baseline connectivity score; evaluate various improvements for their impact on this baseline connectivity score
9. Prepare draft project list
10. Community outreach to review draft project list and to share connectivity analysis (again using best practices for reaching DACs)
11. Community outreach to review draft project list and to share connectivity analysis (again using best practices for reaching DACs)

12. Community outreach to review draft project list and to share connectivity analysis (again using best practices for reaching DACs)
13. Community outreach to review draft project list and to share connectivity analysis (again using best practices for reaching DACs)
14. Establish policy recommendations for meeting bike parking demand at HSR terminals
15. Propose infrastructure necessary to meet recommendations
16. Create project list with cost estimates
17. Create advocacy strategy for local bicycle coalitions and other stakeholders
18. Review planned bike share spending and deliverables and propose more efficient plan to exceed current planned deliverables using current technology and more affordable business models to provide a bigger and more inclusive system
19. Develop a request for proposals
20. Choose vendor to provide bike share (next step)
21. Integrate new bike share plan into the Kern County Active Transportation Plan as supplement or as update to main document
22. Review maps and existing active transportation plans for existing and planned inter-city routes along the HSR corridor among aforementioned cities
23. Evaluate best practices from around the world for long-distance bike routes
24. Create project list with cost estimates
25. Integrate list into county active transportation plans as supplement or as updates to main document, where appropriate
26. Prepare recommendations for next steps and provide initial technical assistance on funding
27. Compile findings on bicycle access to HSR stations and inter-city bike connections into Inter-County Final Report, encompassing project lists, cost estimates, funding recommendations, and next steps.
28. Present Inter-County Final Report to Kern COG Board of Directors, Bakersfield City Council, Merced City Council, Madera City Council, Fresno City Council, Wasco City Council, Kings CAG, Tulare CAG, with goal of the boards or city councils accepting or adopting the plan.
29. Compile findings on bike share into Bakersfield Bike Share Final Report.
30. Present Bakersfield Bike Share Final Report to Bakersfield City Council and Kern COG Board of Directors, with goal of the board and city council accepting or adopting the plan.
31. Invoicing: submit complete invoice packages to Caltrans district staff based on milestones, at least quarterly.
32. Quarterly Reporting: submit quarterly reports to Caltrans district staff providing a summary of project progress and grant/local match expenditures.

End Products (Schedule)

1. Report of evaluation of existing plans
2. Existing Conditions report
3. Detailed list of pedestrian conditions
4. Draft and final community outreach plan
5. Notes on Community Meeting

6. GIS Report
7. Draft Project list
8. Meeting notes
9. Final Project list with timing and phasing, cost estimates and potential funding sources
10. Update Active Transportation Plans
11. Discuss "Next Steps" and suggest funding sources
12. Policy recommendations document
13. Identify existing routes and gaps
14. Presentations to Cities/Counties
15. Written acceptance of proposals by governing boards.

Revenue Budget

AGENCY	TMS				TMS			FY 18-19 SB-1	Local	TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304				PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG										\$0	\$0	\$0	\$0	\$0
Consultant								\$405,867	\$56,754	\$462,621				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$405,867	\$56,754	\$462,621	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 609.1 – TRANSPORTATION DEMAND MANAGEMENT

Purpose & Goal*

To produce a Transportation Demand Management (TDM) Program that encourages alternatives to single occupant vehicle commuting throughout Kern County.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

1. Rideshare Week 2006-2018;
2. Clean Air Month, Bike Month and Rideshare Week promotion and coordination;
3. Presentations to employers, community groups and schools;
4. Assistance to employers in developing rideshare programs;
5. Update and maintenance of ride match database;
6. Vanpool, bus, telework, pedestrian and bicycling promotion;
7. Park-and-ride facility development; and
8. Guaranteed Ride Home program management.

Study Design (Tasks & Responsible Agency)

1. Provide TDM outreach services (called CommuteKern) to individuals, employers and educational institutions. Service includes training, educating and working with Employee Transportation Incentive Program (eTRIP) Coordinators;
2. Provide rideshare matching, vanpool management, GIS maps of transit routes, and mile tracking services via ride matching software.
3. Respond to inquiries related to alternate forms of commuting;
4. Develop and distribute TDM promotional items and materials;
5. Coordinate local activities for California Rideshare Week, Clean Air Month, Bike Month and other special promotional events. Partner with local agencies as appropriate;
6. Maintain and enhance Kern COG's Rideshare website, www.CommuteKern.org;
7. Promote CommuteKern services and events through media releases, advertising, social media and public outreach;
8. Create and distribute monthly electronic newsletter to eTRIP coordinators; and
9. Support efforts to expand park-and-ride capacity throughout Kern County through planning, outreach, and response to requests for assistance.

End Products (Schedule)

1. Advertising and marketing materials. (bimonthly) (\$48,000)
2. Website www.CommuteKern.org. and Ridematching software (annually) (Consultant) (\$45,000)
3. Rideshare Week. (October 2019) (\$40,500).
4. TDM Outreach and promotions highlighting company employees who rideshare. (monthly) (\$40,000).
5. Clean Air & Bike Months. (May 2019) (\$15,000).

6. Electronic newsletter and email blasts (bi-monthly) (\$4,079).
7. Employer Trip Reduction Incentive Program (eTRIP) Coordinator Meetings. (quarterly) (\$5,000).
8. Employer rideshare events (monthly) (\$5,000).

Revenue Budget

AGENCY	FMS				ITA					TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304				STP PFM	Local	PL	PL carryover	Sec. 5303
Kern COG				\$137,314						\$17,790	\$155,104	\$0	\$0	\$0	\$0
Consultant				\$45,000						\$5,830	\$50,830				
Capital											\$0				
Total	\$0	\$0	\$0	\$182,314	\$0	\$0	\$0	\$0	\$0	\$23,621	\$205,935	\$0	\$0	\$0	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 610.1 – FREIGHT PLANNING**

Purpose & Goal*

Facilitate commercial vehicle operations (CVO) and interregional freight movement to ensure representation from all modes of the freight industry.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. San Joaquin Valley (SVJ) Goods Movement Sustainable Implementation Plan (June 2017)
2. SVJ Interstate 5 Corridor Study. (June 2017)
3. SVJ Interregional Goods Movement Plan (March 2013).
4. Short-Line Rail Study Phase II (March 2012)
5. Kern Goods Movement Strategy (September 2012).
6. Railroad Grade Separation Study (Jan. 2011)
7. Short-Line Rail Study Phase I (Dec. 2010)
8. I-5/SR-99 Origins and Destinations Truck Study (October 2009).
9. SR-58 Origins and Destinations Truck Study (February 2009);
10. Caltrans Goods Movement Study for US-395 Corridor (June 2006);
11. San Joaquin Valley Movement Studies, Phase I (2000) and Phase II (2002);
12. Caltrans 2000 Statewide Freight Study;
13. The Eastern Sierra Freight Corridor Study (2019)

Study Design (Tasks & Responsible Agency)

1. Contact other agencies involved in freight programs for review and application to Kern County;
2. Coordinate with Caltrans on further statewide truck travel studies and I-5 Corridor Study;
3. Coordinate with FHWA on development of the primary freight network;
4. Coordinate with SVJ COGs to develop the SVJ Goods Movement Sustainable Implementation Plan;
5. Coordinate with other ongoing studies such as the Southern California Freight and Port Study and State Freight Plan Development;
6. Participate in Statewide Coordination Process to designate Critical Urban and Critical Rural Freight Corridors;
7. Analyze future use of short-line rail for goods movement;
8. Prioritize safety improvements for goods movement along railroads;
9. Assist the Central California Railroad Authority in achieving annual goals;
10. Evaluate goods movement and truck study data to propose improvement projects for freight movement and connectivity, e.g. truck lanes, off-ramp improvements etc.; and
11. Perform truck model evaluation.
12. The Eastern Sierra Freight Corridor Study (2019)

End Products (Schedule)

1. Analyses and recommendations for goods movement and connectivity projects. (annually). (\$15,000)
2. Central California Rail Shippers and Receivers Association meetings (annually). (\$3,458)
3. Grade separation project analysis (annually). (\$5,000)
4. Short-haul rail project analysis (annually). (\$5,000)

Revenue Budget

AGENCY	FISMA				FIS						TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP/PRM	SB 1	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$18,608									\$1,096	\$19,704	\$2,134	\$0	\$0	\$0
Consultant											\$0	\$0			
Capital											\$0				
Total	\$18,608	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$1,096	\$19,704	\$2,134	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 610.2 – NORTH METRO GOODS MOVEMENT STUDY

Purpose & Goal*

The Study will identify technology as well as non-traditional strategies to mitigate impacts of goods movement to all communities in the region. Strategies will include containerized freight load matching and diversion of truck shipments to rail.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. SJV Goods Movement Sustainable Implementation Plan (June 2017)
2. SJV Interstate 5/99 Corridor Study (June 2017)
3. San Joaquin Valley (SJV) Interregional Goods Movement Plan (March 2013)
4. Short-Line Rail Study Phase I & II (Dec. 2010, March 2012)
5. Railroad Grade Separation Study (Jan. 2011)
6. I-5/SR-99 Origins and Destinations Truck Study (October 2009)
7. SR-58 Origins and Destinations Truck Study (February 2009)

Study Design (Tasks & Responsible Agency)

1. Align the Study with the California Transportation Plan (CTP) 2040 (Consultant and Kern COG)
2. Ensure the Study conforms to 2017 RTP Guidelines and Promoting Sustainable Communities in California (Consultant and Kern COG)
3. Ensure the Study addresses California's Complete Streets and Smart Mobility Framework (Consultant and Kern COG)
4. The Study will promote Climate Ready Transportation (Consultant and Kern COG)
5. The Study will address Environmental Justice and Disadvantaged Communities within the Study area (The Consultant and Kern COG)
6. The Study will include California Sustainable Freight Action Plan elements (Consultant and Kern COG)
7. The Study will include 2017 Climate Change Scoping Plan Update, Appendix C elements (Consultant and Kern COG)

End Products (Schedule)

1. Draft North Metro Goods Movement Study (June 2020) (\$100,000)

Revenue Budget

AGENCY	FVDA				FTA				TOTAL	TOLL CREDITS NOT REVENUE					
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP/RRM		SD1 19-20 competitive	Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$15,311	\$6,176								\$34,112	\$55,599	\$1,756	\$708	\$0	\$0
Consultant	\$27,538	\$11,108								\$61,354	\$100,000	\$3,159	\$1,274		
Capital											\$0				
Total	\$42,849	\$17,284	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$95,466	\$155,599	\$4,915	\$1,982	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 610.3 – I-5 FREIGHT ZERO PILOT STUDY

Purpose & Goal*

The I-5 FREIGHT Zero Emissions Route Operations (ZERO) PILOT STUDY will evaluate the readiness of zero and near-zero emission technology on long-haul truck goods movement operations typically found in the San Joaquin Valley and statewide. The study will feature a short-term pilot that will test and measure performance of existing, available truck technologies on an approximately 200-mile segment of I-5 in the San Joaquin Valley. The project is being performed in partnership with eight San Joaquin Valley Regional Planning Agencies, Caltrans, California Air Resources Board, and the San Joaquin Valley Air Pollution Control District and UC Davis – National Center for Sustainable Transportation. UC Davis also serves as the consultant. The outcome of the study will be incorporated into the Regional Transportation Plan update. This effort is expected to be completed in FY 20-21.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair. The study meets the following Federal planning requirements/principles: Support the economic vitality, especially by enabling global competitiveness, productivity, and efficiency; Increase the safety of the transportation system; Increase the accessibility and mobility for freight; Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns; Enhance the integration and connectivity of the transportation system, across and between modes, for freight; Promote efficient system operation; Emphasize the preservation of the existing transportation system; and Improve the resiliency/reliability of the transportation system.

Study Design (Tasks & Responsible Agency)

1. Project Management/Participation/Input – Kickoff Conference Call/Meeting (Consultant, Kern COG, Partner Agencies)
2. Literature Review and Analysis of Freight Patterns in the San Joaquin Valley (Consultant)
3. Assessment of Vehicle & Freight Efficiency Technologies (Consultant)
4. Development of Pilot Study Concept (Consultant)
5. Temporary Pilot Demonstration and Data Collection (Consultant)
6. Data Analysis (Consultant)
7. Updates to Pilot Study Concept/Final Report (Consultant)
8. Reporting (Consultant and Kern COG)

End Products (Schedule)

1. Tasks 1-4 Draft Report (June 2020)
2. Final Report (June 2021) (\$213,000)

Revenue Budget

AGENCY	FIRM				FCA				LOCAL				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RGTP	QMRG	Sec. 5303	Sec. 5303 carryover	Sec. 5304	SPA	ARB	SAV/APCD	LIT			PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$11,431							\$438	\$438	\$438	\$174	\$12,913	\$0	\$0	\$0	\$0	\$0
Consultant	\$188,569							\$7,184	\$7,184	\$7,184	\$2,878	\$212,999	\$0	\$0	\$0	\$0	\$0
Capital												\$0					
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,620	\$7,620	\$7,620	\$3,052	\$225,912	\$0	\$0	\$0	\$0	\$0

700 RECREATION AND OPEN SPACE

Planning for recreational opportunities and open space is an integral part of the regional planning process, with particular emphasis on housing, environmental and transportation issues. The non-motorized element of the Regional Transportation Plan addresses recreational aspects of bicycling and pedestrian circulation.

No projects are programmed in FY 2019-2020.

800 EDUCATION

Continuing education is an important aspect of the planning profession in order to facilitate effective responses to changing community needs and desires. Kern COG encourages staff members to take advantage of available education opportunities. Kern COG also encourages staff members to make full use of FHWA, FTA and other public agency sponsored workshops and training courses.

Professional development is another important aspect of the planning profession. Kern COG frequently hires interns from local college programs and provides them with hands-on professional planning experience.

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element #801.1 – GRANT WRITING

Purpose & Goal*

Kern COG staff will provide grant-writing services to member agencies as well as other public agencies.

*Meets the following California Planning Emphasis Areas: Core Planning Functions and Performance Management.

Previous Work

- Provide GrantFinder software licenses to member agencies
- Kern COG 2018 BUILD grant application
- City of Bakersfield 2016 and 2017 FASTLANE grant applications
- City of Bakersfield 2017 INFRA grant application
- 2016 technology workshop

Study Design (Tasks & Responsible Agency)

1. Evaluate potential grants for eligibility; notify member agencies or Kern COG staff of relevant new grant opportunities. (ongoing)
2. Research, schedule, prepare and collaborate on grant applications. (ongoing)
3. Host grant workshops, invite funding agencies or successful project applicants. (ongoing)
4. Attend meetings of Kern COG's Governing Board and technical planning committees as needed;
5. Prepare quarterly progress reports for meetings of the governing board and technical planning committees as needed;

End Products (Schedule)

1. Grant application support for Kern COG and member agencies (\$20,000)
2. Produce grant applications (\$37,158)
3. Grant seeking software licenses (\$6,344)

Revenue Budget

AGENCY	PMA				PTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP FFM	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$69,469	\$69,469	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$69,469	\$69,469	\$0	\$0	\$0

900 INTERGOVERNMENTAL COORDINATION

The Clearinghouse function requires an extensive program of review and comment involving many agencies and organizations within the region. These activities assure that proposed projects can be evaluated in relation to existing development, socioeconomic impact, transportation impact and local plans of environmental concerns.

The comprehensive planning process requires an ongoing and intensive coordination effort. Each planning element and planning jurisdiction is involved. This program is designed to provide technical assistance to the member agencies that have special needs. Proposed planning activity and demographic information is provided to the public, and citizens are offered an opportunity to assist in evaluating the appropriateness of plans that affect them.

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element #902.1 – REGIONAL TECHNICAL ASSISTANCE

Purpose & Goal*

To improve coordination among local jurisdictions on issues of common concern. Provide transportation-related leadership and technical assistance to member agencies to address regional and sub-regional issues, including sustainable development practices.

*Meets the following California Planning Emphasis Areas: Performance Management and State of Good Repair.

Previous Work

1. Technical assistance publications;
2. General plans;
3. Rosamond Visioning Process;
4. Tehachapi Bicycle Master Plan;
5. Arvin Jewett Square Bicycle Plan;
6. Bakersfield, California City, McFarland, Tehachapi Land Use and Circulation Element updates;
7. Bakersfield Habitat Conservation Plan;
8. Kern County Habitat Conservation Plan;
9. McFarland Bicycle Plan;
10. McFarland Traffic Impact Fee Study; and
11. Friant-Kern Canal Multi-Use Path.

Study Design (Tasks & Responsible Agency)

1. Provide planning and management services to meet special transportation needs of Kern COG member agencies;
2. Provide assistance in land use and transportation planning, programming and budgeting to cities with limited staffing capabilities;
3. Assist in developing land use and circulation element updates/urban development strategies and master environmental assessments, incorporate updated information into Kern COG traffic and land use models;
4. Assist member agencies with development and analysis of land use information as it relates to transportation, housing and jobs (Kern COG/consultant);
5. Assist member agencies with development and analysis of transportation and circulation information;
6. Assist member agencies with "Quick Response" Transportation Plan Analysis.

End Products (Schedule)

1. Memorandums of agreement with member agencies (Consultant) (quarterly) (\$61,504).

Revenue Budget

AGENCY	FHQA				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	QMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PPM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$0	\$0	\$0	\$0	\$0
Consultant								\$68,000	\$45,846	\$113,846			
Capital									\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$68,000	\$45,846	\$113,846	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 903.1 – INFORMATION AND DATA MANAGEMENT

Purpose & Goal*

To provide socio-economic information concerning the Kern County region.

*Meets the following California Planning Emphasis Areas: Core Planning Functions.

Previous Work

1. Database of Kern County socio-economic information;
2. Federal Home Mortgage Disclosure Repository;
3. State Census Data Center Affiliation certification;
4. Assist governmental agencies, business interests and the general public with accessing and interpreting socio-economic information; and
5. Assist in the development of Kern COG's regional transportation model.

Study Design (Tasks & Responsible Agency)

1. Develop and maintain socio-economic information for support of the Kern COG travel demand and air quality planning programs;
2. Maintain U.S. Federal Reserve System Home Mortgage Disclosure Repository;
3. Maintain California State Census Data Center Affiliate status;
4. Prepare California State Census Data Center reports;
5. Host workshops related to socio-economic information in the Kern Region;
6. Maintain collection of U.S. Census reports and provide library space for public inspection of the documents, including Home Mortgage Disclosure information;
7. Respond to and assist users of socio-economic information related to the Kern County region, including requests from member agencies, non-member agencies, private businesses and the general public; and
8. Attend related workshops and training sponsored by the California State Census Data Center and the U.S. Bureau of the Census.

End Products (Schedule)

1. Update community profiles for inclusion in Kern COG website (\$10,000) (annually)
2. Socio-economic information database related to the Kern County area (\$118,507) (monthly).

Revenue Budget

AGENCY	Kern COG				FGL				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PFM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$92,889								\$7,850	\$100,739	\$10,854	\$0	\$0
Consultant										\$0			
Capital										\$0			
Total	\$92,889	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,850	\$100,739	\$10,854	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 904.1 – INTERREGIONAL TRANSPORTATION COORDINATION

Purpose & Goal*

To coordinate transportation and air quality planning activities among the eight San Joaquin Valley (SJV) transportation planning agencies, including the advisory SJV Policy Council; California Department of Transportation (Caltrans); the San Joaquin Valley Air Pollution Control District (SJVAPCD), Inyo and Mono Counties; San Luis Obispo Council of Governments and; the Southern California Association of Governments (SCAG).

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. San Joaquin Valley Regional Planning Agency MOU, Eastern Sierra MOU, and San Luis Obispo Council of Governments MOU;
2. San Joaquin Valley Transportation Modeling Committee;
3. Federal Transportation Improvement Program coordination;
4. California State Implementation Plan with SJVAPCD and Kern APCD;
5. SCAG/Kern COG Planning Coordination;
6. 2006-2018 San Joaquin Valley Regional Planning Agencies' policy conferences;
7. 2005-2018 San Joaquin Valley Legislative Affairs Committee for legislation of common interest; and
8. San Joaquin Valley Overall Work Program.

Study Design (Tasks & Responsible Agency)

1. Attend San Joaquin Valley Regional Transportation Planning Agencies (SJV COGs) meetings on transportation-related issues;
2. Meet and confer with Caltrans Districts 6 and 10 and the San Joaquin Valley Air Pollution Control District on transportation and air quality planning processes;
3. Coordinate with Inyo, Mono, San Bernardino Counties, SCAG, Caltrans District 6 and District 9 to discuss transportation issues and participate in long-range planning activities to address transportation models;
4. Attend Eastern Sierra Aviation Association meetings;
5. Coordinate and attend policy meetings with SCAG;
6. Coordinate long-range planning activities with SCAG;
7. Participate in SJV Regional Policy Council meetings and annual conference;
8. Attend regular California Association of Council of Governments (CalCOG) meetings with other MPOs and RTPAs statewide;
9. Participate in development of updates and amendments to the 2040 California Transportation Plan.

End Products (Schedule)

1. San Joaquin Valley Regional Transportation Planning Agencies meetings (monthly) (\$40,000);
2. San Joaquin Valley transportation/air quality planning process (monthly) (Consultant) (\$45,000);

3. San Joaquin Valley transportation planning agencies work plan/Policy Council coordination (monthly) (Consultant) (\$25,000);
4. Air quality planning study (bi-monthly) (\$10,000);
5. Kern COG/SCAG coordination meetings (annually) (\$5,000);
6. San Joaquin Valley Regional Planning Agencies Policy Conference (February 2019) (\$4,920).

Revenue Budget

AGENCY	FHA/FA				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	OWAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP/FFM	Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$41,509							\$18,000	\$4,235	\$63,744	\$4,761	\$0	\$0
Consultant								\$72,000		\$72,000			
Capital										\$0			
Total	\$41,509	\$0	\$0	\$0	\$0	\$0	\$0	\$90,000	\$4,235	\$135,744	\$4,761	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element #904.2 – LOCAL CLEARINGHOUSE REVIEW PROGRAM

Purpose & Goal

The objective of the Executive Order 12372, is to foster an intergovernmental partnership and to strengthen federalism by relying on state and local processes for state and local coordination and review of proposed federal financial assistance. To make federal, state and local program and project proposals available for public review; determine consistency with regional comprehensive plans; and ensure adequate mitigation is proposed for impacts.

Previous Work

Areawide clearinghouse; grant and loan applications.

Study Design (Tasks & Responsible Agency)

1. In accordance with Executive Order 12372, Kern COG is designated the Local Clearinghouse for the Kern region. Kern COG's primary responsibility is to review and comment on local applications for state and federal funding assistance. Types of applications may include:
 - Community Facilities Direct Loan Program;
 - Community Development Block Grant Program;
 - Home Investment Partnerships Program;
 - Emergency Solutions Grants Program;
 - Housing Preservation Grants;
2. Review federal programs and proposals, including urban impact assessment and all transportation-related proposals;
3. Forward appropriate documents and proposals to interested individuals and agencies;
4. Obtain and file copies of grant applications and project/program proposals.

End Products (Schedule)

1. Summary of grants and reviews (quarterly) (\$1,811).

Revenue Budget

AGENCY	FMSR				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP FPM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$1,754	\$1,754	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,754	\$1,754	\$0	\$0	\$0	\$0

1000 PROGRAM PLANNING AND ADMINISTRATION

The regional planning process, in order to successfully coordinate the integration of programs and encourage comprehensive planning, requires complex internal functions. Compliance with local, state and federal governmental programs, identifying area-wide needs, directing programs to meet those needs and coordinating programs from each level to complement the comprehensive planning efforts of the area requires extensive management and financial support.

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 1001.1 – LOCAL REIMBURSEMENT**

Purpose & Goal

To provide local reimbursement for travel and promotional costs that are not eligible for federal reimbursement.

Previous Work

1. Kern COG-related travel;
2. Distribute promotional items at community events.

Study Design (Tasks & Responsible Agency)

1. Travel costs that exceed those allowed to employees of the State of California;
2. To provide local funding for the purchase of Kern COG promotional items.

End Products (Schedule)

1. Kern COG promotional items (quarterly) (\$7,500);
2. Non-reimbursable travel (monthly) (\$7,500).

Revenue Budget

AGENCY	FPGA				FTA					TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	OMA.Q	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP FPM	Local		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$58,139	\$58,139	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58,139	\$58,139	\$0	\$0	\$0	\$0

**Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 1001.2 – LEGISLATIVE PROGRAM**

Purpose & Goal

To improve the Kern region's potential for future state and federal transportation, housing, water, air quality and/or energy-related funding.

Previous Work

1. Kern COG's regional federal legislative advocacy trips;
2. San Joaquin Valley COGs federal legislative advocacy trips;
3. Kern COG's regional state legislative advocacy trips;
4. San Joaquin Valley COGs state legislative advocacy trips;
5. SB 325 (2011) Central California Rail Authority;
6. ACA 23 (2012) Transportation Sales Tax Measures—Voter Threshold; and
7. SB 516 (2015) Transportation: Motorist Aid Services.

Study Design (Tasks & Responsible Agency)

1. Meetings, correspondence with lobbying consultants;
2. Craft legislative proposals and amendments;
3. Coordinate regional and Valleywide lobbying trips;
4. Develop white papers, fact sheets, talking point summaries, etc. for regional and Valleywide legislative advocacy trips.

End Products (Schedule)

1. New legislation related to transportation, housing, water, air quality and/or energy. (annually) (\$10,000);
2. Legislative amendments regarding transportation, housing, water, air quality and/or energy-related bills (annually) (\$10,000);
3. San Joaquin Valley COGs federal legislative advocacy trip. (Consultant) (September 2018) (\$10,000);
4. San Joaquin Valley COGs state legislative advocacy trip. (Consultant) (March 2019) (\$5,100).

Revenue Budget

	FEDERAL				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP PFM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$33,472	\$33,472	\$0	\$0	\$0
Consultant									\$6,000	\$6,000			
Capital									\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,472	\$39,472	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element #1001.3 – TRANSPORTATION DEVELOPMENT ACT
(TDA) PROGRAM

Purpose & Goal*

To effectively manage programs and funds developed pursuant to the Transportation Development Act (TDA), California Public Utilities Code Sections 99200, et. seq.

*Meets the following California Planning Emphasis Areas: Core Planning Functions, Performance Management and State of Good Repair.

Previous Work

1. Prior year records and reports, including financial transactions, claims, applications, resolutions, financial/compliance audits and performance audits.

Study Design (Tasks & Responsible Agency)

1. Create and manage the Local Transportation Fund and the State Transit Assistance Fund in accordance with state statutes and regulations and Kern COG program policy;
2. Maintain the local program rules and regulations manual;
3. Prepare an annual estimate of area apportionments; advise claimants of quarterly trust fund subsidiary account activity and balances;
4. Assist prospective claimants with annual claims, project lists, and local program administration;
5. Review, approve and process all claims and financial transactions;
6. Maintain general and subsidiary ledgers and books of original entry in accordance with generally accepted accounting principles; prepare periodic account reconciliations;
7. Prepare periodic financial statements and claim status reports;
8. Conduct annual financial and compliance audit of Kern COG and each claimant contract for appropriate financial reports by an independent, certified public accountant (consultant);
9. Conduct a triennial performance audit of Kern COG and each transit claimant and contract appropriate reports by a qualified firm (consultant);
10. Coordinate the Kern Social Service Transportation Advisory Committee and social services transit providers; oversee the Consolidated Transportation Service Agency;
11. Conduct annual determination, analysis, and resolution of unmet transit needs;
12. Prepare and approve the Annual Pedestrian and Bikeway Program of Projects; review projects as necessary;
13. Attend TDA administration seminars;
14. Monitor transit ridership and performance data monthly; conduct quarterly transit service operators' meetings; and
15. Update Kern County's Coordinated Human Services Transportation Plan (CHSTP) every five years.

End Products (Schedule)

1. Source journals, including cash receipts, cash disbursements, accounts receivable and claims payable. (monthly) (\$5,000);
2. Financial statements and status reports, including a balance sheet and statement of revenues and disbursements. (monthly) (\$5,000);
3. Annual estimate of area apportionments. (March 2019) (\$5,000);
4. Subsidiary trust account statements. (quarterly) (\$5,000)
5. Annual claims and applications. (Transit March 2019); (Pedestrian/Bike August 2019); (Streets/Roads September 2019) (\$5,000);
6. Annual financial and compliance audit reports. (annually) (Consultant) \$150,000
7. Triennial performance audit reports. (triennially) (Consultant)
8. Metro CTSA monitoring and evaluation report. (annually) (\$5,000)
9. Annual TDA Pedestrian and Bikeway Program of Projects (annually) (\$5,000);
10. Countywide ridership report. (January 2019) (\$5,000);
11. Unmet transit needs finding and documentation. (June 2019) (\$5,000);
12. Coordinated Human Services Transportation Plan Update. (every five years) (Consultant)
13. Social Service Transportation Advisory Committee meetings. (quarterly) (\$5,000);
14. Special Transit Studies (biennially) (Consultant) (\$50,257)
15. Monitor and evaluate the Social Service Transit Program in the Metro Bakersfield area. (quarterly) (\$5,000);

Revenue Budget

AGENCY	FMSL				FSA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PPM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$132,627	\$0	\$0	\$0	\$0
Consultant									\$150,000				
Capital									\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$282,627	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 1001.4 – INFORMATION SERVICES AND TRIBAL CONSULTATION

Purpose & Goal*

To inform and involve the public, member agencies and tribal governments in the decision-making process on issues affecting the Kern region, and to comply with Federal MAP-21 and Fixing America's Surface Transportation (FAST) Act public participation requirements.

*Meets the following California Planning Emphasis Areas: Core Planning Functions.

Previous Work

1. Public Involvement Procedures;
2. Kern News releases;
3. Kern COG's Annual Report;
4. Informational brochures;
5. Public meetings and workshops coordination;
6. Meeting Briefs;
7. Kern COG webpage and Areawide Directory;
8. Legislative tracking and reporting;
9. Policy development and analysis;
10. Attend community events;
11. Community flier development and distribution;
12. Multi-media advertising development and distribution, including radio, social media and other Web-based formats; and
13. Regional Awards of Merit program.

Study Design (Tasks & Responsible Agency)

1. Compose and update various brochures, letters, memos, news releases and publications, including the Annual Report; Board Actions; Outreach Efforts and Areawide Directory, providing information regarding Kern COG, its member agencies and its activities;
2. Provide staff support for public participation efforts concerning regional issues;
3. Maintain and contribute to electronic and postal contact database for correspondence with member agencies and the public;
4. Maintain a public involvement program that complies with state open meeting laws, MAP-21 and FAST Act provisions;
5. Maintain involvement with community groups including: Cultiva La Salud; the Dolores Huerta Foundation; Center for Race, Poverty and the Environment; the Greater Bakersfield Chamber of Commerce; Natural Resources Defense Council; Kern Transportation Foundation; Leadership Counsel for Justice and Accountability; environmental justice organizations; healthy lifestyle advocate groups and others;
6. Engage, consult and coordinate with tribal governments, and specifically the Tejon Indian Tribe, regarding the transportation planning process;

7. Implement public involvement procedures, including legal notices, announcements, advertisements and product/project specific newsletter publication and conduct related workshops and meetings;
8. Compose, publish and maintain Kern COG's website (www.kerncog.org) and Facebook page;
9. Track and report on relevant legislation;
10. Develop and implement public involvement procedures evaluation methodology to assess strengths and weaknesses;
11. Develop, distribute and evaluate community transportation surveys;
12. Document and evaluate Kern COG's environmental justice process;
13. Broadcast Kern COG Board meetings on the local government channel;
14. Create a public education campaign about transportation funding for a broad range of individuals and groups throughout Kern.

End Products (Schedule)

1. Informational brochures, annual report and news releases (annually) (\$20,000);
2. Kern COG Internet provider (monthly) (Consultant – KCSOS) \$12,000);
3. Kern COG website maintenance (Consultant) (monthly) (\$25,000);
4. Board meetings and other broadcasts (monthly) (Consultant – KGOV) \$46,500);
5. Regional Awards Program (\$30,000) (March 2019) (Non-reimbursable);
6. Speaking engagements, community events (quarterly) (\$73,196).

Revenue Budget

AGENCY	FHVPS				FTA				TOTAL	TOLL CREDITS NOT REVENUE			
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP PPM		PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG	\$78,820	\$49,941							\$128,761	\$9,041	\$5,728	\$0	\$0
Consultant									\$39,034	\$39,034	\$0	\$0	\$0
Capital									\$0				
Total	\$78,820	\$49,941	\$0	\$0	\$0	\$0	\$0	\$0	\$39,034	\$167,795	\$9,041	\$5,728	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 1001.5 – OVERALL WORK PROGRAM (OWP)
DEVELOPMENT AND MONITORING

Purpose & Goal*

Prepare and administer the annual work program, budget and quarterly reports; maintain an ongoing transportation planning process; involve local technical staff, administrative officers, Caltrans, tribal governments and elected officials in the transportation planning process.

*Meets the following California Planning Emphasis Areas: Core Planning Functions.

Previous Work

1. 2017-18 Kern COG financial plan and OWP development;
2. Public notices, announcements and workshops announcing the OWP.
3. 2017-18 Financial plan and OWP monitoring and monthly cost allocation;
4. 2017-18 Consolidated Planning Grant (CPG) invoices;

Study Design (Tasks & Responsible Agency)

1. Coordinate and prepare the Overall Work Program (OWP);
2. Prepare documentation for financial audits;
3. Prepare and reconcile monthly cost allocation tables for invoicing;
4. Submit monthly OWP reporting and billing to Caltrans, FWHA and FTA;
5. Quarterly reporting for 5307 and 5311 grants to DOT.

End Products (Schedule)

1. Quarterly reporting for 2018-19 fiscal year (quarterly) (\$11,070)
2. OWP and related public participation documentation for 2018-19 (monthly) (\$200,000)
3. Coordinate 2018-19 OWP preparation (December 2017-May 2018) (\$50,000)

Revenue Budget

AGENCY	FVSN				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STP FPM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$246,959	\$246,959	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$246,959	\$246,959	\$0	\$0	\$0	\$0

2000 Traveler Information & Assistance

The Kern Motorist Aid Authority (KMAA) was created on May 19, 1988. The Authority imposes a fee, not to exceed \$1.00 per year, on non-exempt motor vehicles registered within the county. The additional fee is collected by the California Department of Motor Vehicles (DMV) at the time of vehicle registration or renewal.

The purpose of the Authority is to finance, implement, operate and maintain a motorist aid system pursuant to California Streets and Highways Code Sections 2550-2560. The system may include traveler information systems, Intelligent Transportation system architecture and infrastructure, and safety-related hazard and obstruction removal.

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 2001.1 – KMAA SYSTEM ADMINISTRATION AND OPERATIONS

Purpose & Goal

To implement, maintain, and operate a motorist aid system including traveler assistance programs within Kern County.

Previous Work

1. Call Box Upgrade to 3G voice and 4G data technology (Fall 2016);
2. Call Box Retrofit & Upgrade Project (September 2009);
3. Call Box Program Evaluation & Needs Assessment (June 2006);
4. CalSAFE "Call Box Crash Worthiness Study" (June 2004);
5. The KMAA "Ten-Year Strategic Plan" (1998-2008);
6. Participate in the California Service Authority for Freeways and Expressways Committee (CalSAFE);
7. Call Box Removal Plan implementation;
8. Provide safety-related hazard and obstruction removal;
9. Maintain a financial accounting system in accordance with GAAP and enterprise fund accounting, including a general ledger and books of original entry, prepare quarterly financial statements, process monthly reconciliations; and
10. Prepare periodic management reports regarding contract status, service performance and related matters.

Study Design (Tasks & Responsible Agency)

1. Provide traveler information systems, Intelligent Transportation System architecture and infrastructure, and other transportation demand management services, and safety-related hazard and obstruction removal;
2. Prepare an annual KMAA work program and budget;
3. Review and approve for payment invoices for purchases & contractual services;
4. Maintain a financial accounting system in accordance with GAAP and enterprise fund accounting, including a general ledger and books of original entry; prepare quarterly financial statements; and process monthly reconciliations;
5. Provide for an annual financial and compliance audit by an independent certified public accountant for the purpose of attesting to and certifying records, internal control procedures and results of operations.

End Products (Schedule)

1. Annual work plan and budget (annually) (\$10,000);
2. Financial statements (quarterly) (\$4,423).

Revenue Budget

AGENCY	KMAA				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP PPM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$16,948	\$16,948	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,948	\$16,948	\$0	\$0	\$0	\$0

Kern Council of Governments
OVERALL WORK PROGRAM – FY 2019/2020
Work Element # 2002.1 – 511 SYSTEM ADMINISTRATION AND OPERATIONS

Purpose & Goal

To design and operate a comprehensive 511 system for traveler information.

Previous Work

1. Integrate with other motorist aid and transportation demand management programs;
2. Integrate the Kern 511 Traveler Information System with the San Joaquin Valley Regional Transportation Planning Agencies 511 system;
3. Identify and define local issues related to network design and operation;
4. Develop System Engineering Management Plan for Kern 511;
5. Perform quality assurance testing of Kern 511 Traveler Information System i.e. functional testing, integration testing and user acceptance testing; and
6. Promote the Kern 511 Traveler Information System through advertising and outreach.

Study Design (Tasks & Responsible Agency)

1. Investigate 511 network modification and expansion possibilities;
2. Evaluate new technological capabilities developed for 511 systems;
3. Coordinate with 511 consultant to develop a system hosting and maintenance plan providing for routine updates and quality analysis of data;
4. Provide periodic preventive and corrective maintenance of network hardware;
5. Continue the Kern 511 Traveler Information System Marketing Plan;
6. Provide for and analyze periodic statistical reports regarding 511 usage;
7. Attend the ITS California Annual Conference including a session for 511 system operators.

End Products (Schedule)

1. Kern 511 Traveler Information System, including interactive voice recognition and website capabilities (monthly) (\$5,000);
2. Kern 511 Traveler Information System Marketing Plan (biannually) (\$5,000);
3. Modifications and/or expansions to the 511 network (annually) (\$4,423).

Revenue Budget

AGENCY	FISWA				FTA				TOTAL	TOLL CREDITS NOT REVENUE				
	PL	PL carryover	RSTP	CMAQ	Sec. 5303	Sec. 5303 carryover	Sec. 5304	STIP/PM		Local	PL	PL carryover	Sec. 5303	Sec. 5303 carryover
Kern COG									\$36,527	\$36,527	\$0	\$0	\$0	\$0
Consultant										\$0				
Capital										\$0				
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,527	\$36,527	\$0	\$0	\$0	\$0

VI. SUMMARY FINANCIAL TABLE - FOOTNOTE LEGEND

FY 2019-2020 Overall Work Program
SUMMARY FINANCIAL TABLE (Revised: November 12, 2019)

		Funding Source	FTA SEC 5303 MPO	FTA SEC 5303 MPO Carryover	FHWA PL 89/11	FHWA PL Carryover	FHWA RSTP	FHWA CMAQ 89/11	Caltrans ATP	STIP PPM	SB-1 17-18	SB-1 18-19	SB-1 19-20	Toll Credits*	Regional Planning Total	Local Contracts	TOTAL
		Cost Sharing (grantor % / KCOG %) Footnotes	(5b)	(5c)	(7)	(8)	(9)	(10)	(11a)	(11b)	(11c)	(11d)	(11e)		(13a)	(14)	
Air Quality Planning	101.1	\$ 33,354	\$ 33,354											\$ 7,852	\$ 3,901		\$ 70,810
Environmental Review Program	102.1	\$ 16,728		\$ 16,728										\$ 3,838	\$ 2,157		\$ 35,614
Inventory Mapping	201.1	\$ 111,790		\$ 214,344										\$ 37,408	\$ 16,223		\$ 342,357
Mapping Services and Technical Support	201.2	\$ 81,540		\$ 76,611										\$ 15,846	\$ -		\$ 138,151
Environmental Sustainability Program	202.1													\$ -	\$ 126,850		\$ 126,850
Sustainable Communities Public Participation FY 18-19	203.1											\$ 39,634		\$ -	\$ 6,902		\$ 46,536
Sustainable Communities Public Participation FY 19-20	203.1A												\$ 75,593	\$ -	\$ 13,223		\$ 88,816
Sustainable Communities Performance Measures FY 18-19	203.2											\$ 14,084		\$ -	\$ 1,825		\$ 15,909
Sustainable Communities Performance Measures FY 19-20	203.2A												\$ 36,342	\$ -	\$ 5,097		\$ 41,439
Sustainable Communities Advanced Tech Planning FY 18-19	203.3											\$ 11,030		\$ -	\$ 1,429		\$ 12,459
Sustainable Communities Advanced Tech Planning FY 19-20	203.3A												\$ 154,971	\$ -	\$ 20,078		\$ 175,049
Sustainable Communities Strategy Forecast and Travel Model Activity Program FY 18-	203.4											\$ 30,259		\$ -	\$ 3,920		\$ 34,179
Sustainable Communities Strategy Forecast and Travel Model Activity Program FY 19-	203.4A												\$ 116,528	\$ -	\$ 15,097		\$ 131,625
Regional Transportation Plan/CMS	601.1	\$ 76,567		\$ 67,156						\$ 32,000				\$ 16,485	\$ 9,049		\$ 184,772
RTIP/CIP-Financial Element	601.2			\$ 39,302	\$ 39,301									\$ 9,016	\$ 3,556		\$ 82,159
RTIP Outreach	601.3			\$ 10,851						\$ 75,000				\$ 1,245	\$ 467		\$ 86,318
RTIP Performance Measures	601.4			\$ 20,404										\$ 2,340	\$ 1,520		\$ 21,924
Transportation Improvement Program	602.1			\$ 189,633	\$ 129,575									\$ 36,613	\$ 11,778		\$ 330,986
Local Assistance for Federal-Aid Projects	602.2			\$ 194,770	\$ 40,214									\$ 26,953	\$ 7,991		\$ 242,975
Transportation Systems Monitoring and Coordination	603.1			\$ 72,413										\$ 8,306	\$ 3,366		\$ 75,779
Traffic Court Program	603.2					\$ 79,677								\$ -	\$ 11,803		\$ 91,480
Active Transportation Demand Management	603.3									\$ 34,000				\$ -	\$ 9,292		\$ 43,292
Kern EV Blueprint	603.4													\$ -	\$ 1,666	\$ 27,788	\$ 29,454
Regional Travel Demand Model Maintenance	604.1			\$ 119,153	\$ 111,640									\$ 26,472	\$ 105,329		\$ 336,122
Growth Forecast Model	604.2			\$ 8,501										\$ 875	\$ 468		\$ 9,969
Regional Travel Demand Model	604.3			\$ 30,715										\$ 3,523	\$ 2,013		\$ 32,728
Corridor/Major Investment/Impact Fee	605.1			\$ 2,861										\$ 328	\$ 224		\$ 3,085
Transit Planning	606.1	\$ 9,816	\$ 80,471	\$ 64,923	\$ 17,498									\$ 19,810	\$ 12,414		\$ 185,122
Passenger Rail Program	606.2													\$ -	\$ -		\$ -
Metro-Bakersfield Parking Study	606.3													\$ -	\$ 21,400		\$ 21,400
East Kern/SR 14/US 395 TDP	606.4													\$ -	\$ -		\$ -
Rural Alternate Transit Plan	606.5										\$ 213,161			\$ -	\$ 27,618		\$ 240,779
CHSTP Update	606.6										\$ 15,861			\$ -	\$ 2,055		\$ 17,916
Aviation Transportation Planning	607.1													\$ -	\$ -		\$ -
Active Transportation Planning	608.1			\$ 52,384										\$ 6,008	\$ 39,810		\$ 92,294
Active Transportation Connectivity Planning	608.3											\$ 405,867		\$ -	\$ 56,754		\$ 462,621
Transportation Demand Management	609.1							\$ 182,314						\$ -	\$ 23,621		\$ 205,935
Freight Planning	610.1			\$ 18,608										\$ 2,134	\$ 1,096		\$ 19,704
North Metro Goods Movement Study	610.2			\$ 42,849	\$ 17,284									\$ 6,897	\$ 95,466		\$ 155,599
I-5 Freight ZERO Pilot Study	610.3			\$ 200,000										\$ -	\$ 3,052	\$ 22,860	\$ 225,912
Grant Writing	801.1													\$ -	\$ 69,469		\$ 69,469
Regional Technical Assistance	902.1									\$ 68,000				\$ -	\$ 43,846		\$ 111,846
Information and Data Management	903.1			\$ 92,889										\$ 10,654	\$ 7,850		\$ 100,739
Interregional Transportation Coordination	904.1			\$ 41,509						\$ 90,000				\$ 4,761	\$ 4,235		\$ 135,744
Local Clearinghouse Review Program	904.2													\$ -	\$ 1,754		\$ 1,754
Local Reimbursements	1001.1													\$ -	\$ 58,139		\$ 58,139
Legislative Program	1001.2													\$ -	\$ 39,472		\$ 39,472
Transportation Development Act (TDA) Program	1001.3													\$ -	\$ 282,627		\$ 282,627
Information Services	1001.4			\$ 78,820	\$ 49,941									\$ 14,769	\$ 39,034		\$ 167,795
Overall Work Program (OWP) Development and Monitoring	1001.5													\$ -	\$ 246,959		\$ 246,959
KMAA System Implementation and Operation	2001.1													\$ -	\$ -	\$ 16,948	\$ 16,948
\$11 Program	2002.1													\$ -	\$ -	\$ 36,527	\$ 36,527
SUBTOTAL			\$ 309,795	\$ 80,471	\$ 1,688,780	\$ 405,453	\$ 79,677	\$ 182,314	\$ -	\$ 299,000	\$ 229,022	\$ 500,874	\$ 386,434	\$ 262,032	\$ 1,461,996	\$ 104,123	\$ 5,729,939
CARRYOVER FUNDS			\$ -	\$ 80,471	\$ -	\$ 405,453	\$ -	\$ -	\$ -	\$ -	\$ 229,022	\$ 500,874	\$ -	\$ -	\$ 468,030	\$ -	\$ 1,683,850
FY 2019-20 ESTIMATED FUNDS			\$ 309,795	\$ -	\$ 1,688,780	\$ -	\$ 79,677	\$ 182,314	\$ -	\$ 299,000	\$ -	\$ -	\$ 386,434	\$ -	\$ 995,966	\$ 104,123	\$ 4,046,089
SUBTOTAL			\$ 309,795	\$ 80,471	\$ 1,688,780	\$ 405,453	\$ 79,677	\$ 182,314	\$ -	\$ 299,000	\$ 229,022	\$ 500,874	\$ 386,434	\$ -	\$ 1,461,996	\$ 194,123	\$ 5,729,939
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Toll credits provided by the State of California are being utilized as a match for federal FHWA PL and FTA 5303 funds. The FHWA PL and FTA 5303 amounts shown in the Budget Revenue Summary Sheet represent 100% of the total federal participation cost, therefore toll credits are not included in the total revenue amount.

Kern Council of Governments
FY 2019-2020 Overall Work Program
Financial Summary Chart
FOOTNOTE LEGEND

- (4) Grantor Agency: Federal Transit Administration
Designated Recipient: California Department of Transportation Division of Transportation Planning
Program: Section 5304 Technical Planning Assistance (Rural)
WorkElement: 606.2, 606.3, 606.4

Funding:	Grantor	Local Match
PY Carryover	\$ -	\$ -
2019-2020 Allocation	\$ -	\$ -
Unprogrammed	\$ -	\$ -
TOTAL	\$ -	\$ -

- (5) Grantor Agency: Federal Transit Administration
Designated Recipient: California Department of Transportation Division of Transportation Planning
Program: Section 5303 Metropolitan Planning Assistance (Urban)
WorkElement: 101.1, 102.1, 201.1, 201.2, 601.1, 606.1

Funding:	Grantor	Local Match	Toll Credits
PY Carryover	\$ 82,202		\$ 9,429
2019-2020 Allocation	\$ 309,795		\$ 35,533
Unprogrammed			\$ -
TOTAL	\$ 391,997	\$ -	\$ 44,962

- (7) Grantor Agency: Federal Highway Administration
Designated Recipient: California Department of Transportation
Program: FHWA-PL (Formula Planning)
WorkElement: Various

Funding:	Grantor	Local Match	Toll Credits
PY Carryover	\$ 386,438		\$ 44,324
2019-2020 Allocation	\$ 1,488,780		\$ 170,763
Unprogrammed	\$ -		\$ -
TOTAL	\$ 1,875,218	\$ -	\$ 215,088

- (9) Grantor Agency: Federal Highway Administration
Designated Recipient: California Department of Transportation
Program: Regional Surface Transportation Program
WorkElement: 603.2

Funding:	Grantor	Local Match
PY Carryover	\$ -	\$ -
2019-2020 Allocation	\$ 79,677	\$ 10,323
Unprogrammed		\$ -
TOTAL	\$ 79,677	\$ 10,323

Kern Council of Governments
FY 2019-2020 Overall Work Program
Financial Summary Chart
FOOTNOTE LEGEND

- (10) Grantor Agency: Federal Highway Administration
Designated Recipient: California Department of Transportation
Program: Congestion Mitigation Air Quality (CMAQ)
WorkElement: 609.1

Funding:	Grantor	Local Match
PY Carryover	\$ 84,828	\$ 10,990
2019-2020 Allocation	\$ 179,659	\$ 23,277
Unprogrammed	\$ (84,828)	\$ (10,990)
TOTAL	\$ 179,659	\$ 23,277

- (11) Grantor Agency: California Department of Transportation
Designated Recipient:
Program: Formula Planning Subventions
WorkElement: N/A

Funding:	Grantor	Local Match
TOTAL	\$ -	\$ -

- (11a) Grantor Agency: Federal Highway Administration
Designated Recipient: California Department of Transportation
Program: Active Transportation Program
WorkElement:

Funding:	Grantor	Local Match
PY Carryover	\$ -	\$ -
2019-2020 Allocation	\$ -	\$ -
Unprogrammed	\$ -	\$ -
TOTAL	\$ -	\$ -

- (11b) Grantor Agency: California Department of Transportation
Designated Recipient:
Program: STIP PPM
WorkElement: 601.1, 601.3, 603.3, 902.1, 904.1

Funding:	Grantor	Local Match
PY Carryover	\$ -	\$ -
2019-2020 Allocation	\$ 299,000	\$ -
Unprogrammed	\$ -	\$ -
TOTAL	\$ 299,000	\$ -

Kern Council of Governments
FY 2019-2020 Overall Work Program
Financial Summary Chart
FOOTNOTE LEGEND

(11c) Grantor Agency: California Department of Transportation
Designated Recipient:
Program: SB-1 17-18
WorkElement: 606.5, 606.6

Funding:	Grantor	Local Match
PY Carryover	\$281,889	\$ 36,522
2019-2020 Allocation	\$0	\$ -
Unprogrammed	\$0	\$0
TOTAL	\$281,889	\$36,522

(11d) Grantor Agency: California Department of Transportation
Designated Recipient:
Program: SB-1 18-19
WorkElement: 203.1, 203.4, 608.3

Funding:	Grantor	Local Match
PY Carryover	\$475,623	\$ 61,622
2019-2020 Allocation	\$0	\$ -
Unprogrammed	\$0	\$0
TOTAL	\$475,623	\$61,622

(11e) Grantor Agency: California Department of Transportation
Designated Recipient:
Program: SB-1 17-18
WorkElement: 203.1, 203.2, 203.3, 203.4, 610.2

Funding:	Grantor	Local Match
PY Carryover	\$0	\$ -
2019-2020 Allocation	\$386,434	\$ 50,067
Unprogrammed	\$0	\$0
TOTAL	\$386,434	\$50,067

(13) Grantor Agency: Kern COG Member Agencies
Designated Recipient:
Program: TDA, Administration & Regional Planning Contribution
WorkElement: Various

Funding:	Administration	Planning	Total
PY Carryover	\$ 241,739	\$ -	\$ 241,739
2019-2020 Allocation	\$ 388,254	\$ 1,130,051	\$ 1,518,305
Unprogrammed	\$ -	\$ (491,004)	\$ (491,004)
TOTAL	\$ 629,993	\$ 639,047	\$ 1,269,040

Kern Council of Governments
FY 2019-2020 Overall Work Program
Financial Summary Chart
FOOTNOTE LEGEND

(14) Grantor Agency: Kern COG Member Agencies
Designated Recipient:
Program: Service Contracts and Sales
WorkElement: 601.6, 2001.1, 2002.1

Funding:	<u>Grantor</u>
Contracts	\$ 27,788
Member Dues	\$ -
Partnership Sales	\$ -
KMAA	\$ 50,228
Freeway Service Patrol	\$ -
AB 811	\$ -
TOTAL	<u>\$ 78,016</u>

VII. INFORMATION ELEMENT/OTHER ENTITIES PLANNING ACTIVITIES

ATTACHMENT A
KERN COUNCIL OF GOVERNMENTS
PLANNING ACTIVITIES WITHIN THE REGION
FY 2019 - 2020

Informational Element Matrix

The following is a list of planning activities for which Caltrans is responsible for within the MPO metropolitan planning area.

Activity Description	MPO Work Element Number	Funding Type	Product(s)	Work Performed By	Due Date	FSTIP Prgmng.
Caltrans work elements for OWP, progress reports, reimbursement and monitoring	N/A	FED/ STATE	OWP Management	Caltrans	On-going	No
IGR/local development reviews	N/A	STATE	Recommended mitigation for development impacts on State facilities	Caltrans	On-going	No
Update Various System Planning Documents	N/A	STATE	Various System Planning Documents	Caltrans	On-going	No
Valley-wide GIS	N/A	STATE	Coordinate Integration of Valley-wide GIS into Caltrans GIS	Caltrans	On-going	No
California Transportation Plan	N/A	FED/ STATE	California Transportation Plan (CTP) 2050 The CTP will assess how MPO's RTP/Sustainable Communities Strategies will influence the Statewide Multimodal Transportation system.	Caltrans	Updates every 5 years	No
Tribal Consultation and Coordination	N/A	FED/ STATE	Coordinating projects that impact the State Route and the Tejon Indian Tribe, including Indian Reservation Roads Inventory Program.	Caltrans, Tribal Governments	On-going	No
Arvin SRTS Grant	N/A	STATE	Prepare a Plan that results in a more vibrant, walkable and bike friendly city.	Arvin, DHF LGC, Consultant Caltrans	On-going	No

Activity Description	MPO Work Element Number	Funding Type	Product(s)	Work Performed By	Due Date	FSTIP Prgmng.
Coordinated Human Service Transit Plan	606.6	STATE	The (CHSTP) update will provide updated strategic direction to Kern Council of Governments (Kern COG), the public transit operators and human service agency stakeholders in defining opportunities, strategies and projects to help address mobility needs of Kern County older adults, persons with disabilities and low-income residents.	KCOG and Caltrans	On-going	No
Rural Kern Alternative Transportation Plan-SB1 Sustainable Transportation Planning Grant	606.5	STATE	The proposed plan will examine how new transportation modes may benefit low-income residents throughout Kern County.	KCOG, Kern Transit and Caltrans	17/18	No
SB1 Sustainable Transportation Planning Grants-Formula	203.1 203.2 203.3 203.4 608.3	STATE	Public Participation Performance Measures Sustainable Communities Sustainable Communities-Model Active Transportation Connectivity	Caltrans and Kern	18/19,19/20 19/20 19/20 18/19, 19/20 18/19	No

**FEDERAL FISCAL YEAR 2019 CERTIFICATIONS AND ASSURANCES FOR FTA
ASSISTANCE PROGRAMS**

Name of Applicant: Kern Council of Governments

Or,

Category	Certification
01	Certifications and Assurances Required of Every Applicant
02	Tax Liability and Felony Convictions
03	Lobbying
04	Private Sector Protections
05	Transit Asset Management Plan
06	Rolling Stock Buy America Reviews and Bus Testing
07	Urbanized Area Formula Grants Program
08	Formula Grants for Rural Areas
09	Fixed Guideway Capital Investment Grants and the Expedited Project Delivery for Capital Investment Grants Pilot Program
10	Grants for Buses and Bus Facilities and Low or No Emission Vehicle Deployment Grant Programs
11	Enhanced Mobility of Seniors and Individuals with Disabilities Programs
12	State of Good Repair Grants
13	Infrastructure Finance Programs
14	Alcohol and Controlled Substances Testing
15	Rail Safety Training and Oversight
16	Demand Responsive Service
17	Interest and Financing Costs
18	Construction Hiring Preferences

FEDERAL FISCAL YEAR 2019 FTA CERTIFICATIONS AND ASSURANCES SIGNATURE

PAGE

(Required of all Applicants for federal assistance to be awarded by FTA in FY 2019)

AFFIRMATION OF APPLICANT

Name of the Applicant: Kern Council of Governments

BY SIGNING BELOW, on behalf of the Applicant, I declare that it has duly authorized me to make these Certifications and Assurances and bind its compliance. Thus, it agrees to comply with all federal laws, regulations, and requirements, follow applicable federal guidance, and comply with the Certifications and Assurances as indicated on the foregoing page applicable to each application its Authorized Representative makes to the Federal Transit Administration (FTA) in federal fiscal year 2019, irrespective of whether the individual that acted on his or her Applicant's behalf continues to represent it.

FTA intends that the Certifications and Assurances the Applicant selects on the other side of this document should apply to each Award for which it now seeks, or may later seek federal assistance to be awarded during federal fiscal year 2019.

The Applicant affirms the truthfulness and accuracy of the Certifications and Assurances it has selected in the statements submitted with this document and any other submission made to FTA, and acknowledges that the Program Fraud Civil Remedies Act of 1986, 31 U.S.C. § 3801 *et seq.*, and implementing U.S. DOT regulations, "Program Fraud Civil Remedies," 49 CFR part 31, apply to any certification, assurance or submission made to FTA. The criminal provisions of 18 U.S.C. § 1001 apply to any certification, assurance, or submission made in connection with a federal public transportation program authorized by 49 U.S.C. chapter 53 or any other statute

In signing this document, I declare under penalties of perjury that the foregoing Certifications and Assurances, and any other statements made by me on behalf of the Applicant are true and accurate.

Signature Ahron Hakimi Date: 5-6-2019

Name Ahron Hakimi, Executive Director Authorized Representative of Applicant

AFFIRMATION OF APPLICANT'S ATTORNEY

For (Name of Applicant): Kern Council of Governments

As the undersigned Attorney for the above-named Applicant, I hereby affirm to the Applicant that it has authority under state, local, or tribal government law, as applicable, to make and comply with the Certifications and Assurances as indicated on the foregoing pages. I further affirm that, in my opinion, the Certifications and Assurances have been legally made and constitute legal and binding obligations on it.

I further affirm that, to the best of my knowledge, there is no legislation or litigation pending or imminent that might adversely affect the validity of these Certifications and Assurances, or of the performance of its FTA assisted Award.

Signature Brian VanWyk Date: 5/16/19

Name Brian VanWyk, Kern County Counsel Attorney for Applicant

Each Applicant for federal assistance to be awarded by FTA must provide an Affirmation of Applicant's Attorney pertaining to the Applicant's legal capacity. The Applicant may enter its electronic signature in lieu of the Attorney's signature within TrAMS, provided the Applicant has on file and uploaded to TrAMS this hard-copy Affirmation, signed by the attorney and dated this federal fiscal year.

FY 2019/2020 FHWA and FTA Metropolitan Transportation Planning Process Self-Certification

In accordance with 23 CFR part 450, the California Department of Transportation and _____ Kern Council of Governments _____, the designated Metropolitan Planning Organization for the _____ County of Kern _____ urbanized area(s), hereby certify that the transportation planning process is being carried out in accordance with all applicable requirements including:

- (1) 23 U.S.C. 134, 49 U.S.C. 5303, and subpart C of 23 CFR part 450;
- (2) In nonattainment and maintenance areas, sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506(c) and (d)) and 40 CFR part 93;
- (3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- (4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (5) Section 1101(b) of the FAST Act (Pub. L. 114-94) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- (6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- (8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- (9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- (10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.



MPO Authorizing Signature

Ahron Hakimi, Executive Director
Title

5-6-2019

Date



Caltrans District Approval Signature

Deputy District Director
Title

5/22/19

Date

FY 2019/2020 FHWA and FTA State and Metropolitan Transportation Planning Process Self-Certification

In accordance with 23 CFR part 450, the California Department of Transportation and
____Kern Council of Governments_____, Regional Transportation Planning Agency, hereby certify
that the transportation planning process is being carried out in accordance with all applicable
requirements including:

- (1) 23 U.S.C. 134, 49 U.S.C. 5303, and subpart C of 23 CFR part 450;
- (2) In nonattainment and maintenance areas, sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506(c) and (d)) and 40 CFR part 93;
- (3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- (4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (5) Section 1101(b) of the FAST Act (Pub. L. 114-94) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- (6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- (8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- (9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- (10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.



RTPA Authorizing Signature
____Ahron Hakimi, Executive Director____
Title
____5-6-2019____
Date



Caltrans District Approval Signature

Title
____5/22/19____
Date

**Fiscal Year 2019/2020 California Department of Transportation
Debarment and Suspension Certification**

*As required by U.S. DOT regulations on governmentwide Debarment and Suspension
(Nonprocurement), 49 CFR 29.100:*

- 1) The Applicant certifies, to the best of its knowledge and belief, that it and its contractors, subcontractors and subrecipients:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not, within the three (3) year period preceding this certification, been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) transaction or contract under a public transaction, violation of Federal or state antitrust statutes, or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, state, or local) with commission of any of the offenses listed in subparagraph (1)(b) of this certification; and
 - d) Have not, within the three (3) year period preceding this certification, had one or more public transactions (Federal, state, and local) terminated for cause or default.
- 2) The Applicant also certifies that, if Applicant later becomes aware of any information contradicting the statements of paragraph (1) above, it will promptly provide that information to the State.
- 3) If the Applicant is unable to certify to all statements in paragraphs (1) and (2) of this certification, through those means available to Applicant, including the General Services Administration's *Excluded Parties List System (EPLS)*, Applicant shall indicate so in its applications, or in the transmittal letter or message accompanying its annual certifications and assurances, and will provide a written explanation to the State.

**DEPARTMENT OF TRANSPORTATION
DEBARMENT AND SUSPENSION CERTIFICATION
FISCAL YEAR 2019/2020
SIGNATURE PAGE**

In signing this document, I declare under penalties of perjury that the foregoing certifications and assurances, and any other statements made by me on behalf of the Applicant are true and correct.

Signature Ahron Hakimi Date 5-6-2019

Printed Name Ahron Hakimi, Executive Director

As the undersigned Attorney for the above named Applicant, I hereby affirm to the Applicant that it has the authority under state and local law to make and comply with the certifications and assurances as indicated on the foregoing pages. I further affirm that, in my opinion, these certifications and assurances have been legally made and constitute legal and binding obligations of the Applicant.

I further affirm to the Applicant that, to the best of my knowledge, there is no legislation or litigation pending or imminent that might adversely affect the validity of these certifications and assurances or of the performance of the described project.

AFFIRMATION OF APPLICANT'S ATTORNEY

For Kern Council of Governments (Name of Applicant)
Signature [Signature] Date 5/16/19

Printed Name of Applicant's Attorney Brian VanWyk, Kern County Counsel

VIII. APPENDICES

LIST OF COMMONLY USED ACRONYMS

A

AA	Alternatives Analysis
AADT	Annual Average Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
AB	Assembly Bill
AC	Asphalt Concrete
ACC/YR	Accidents/Year
ACIP	Airport Capital Improvement Program
AC/M/Y	Accident Cost/Mile/Year
ADA	American Disability Act
ADAP	Airport Development Act Program
ADIS	Advanced Driver Information System
AFB	Air Force Base
AFC	Automatic Fare Collection
AFV	Alternative Fuel Vehicle
AHAR	Advanced Highway Advisory Radio
AHS	Automated Highway System
AIP	Airport Improvement Program
AMTRAK	National Train Passenger Corporation
APCB	Air Pollution Control Board
APCD	Air Pollution Control District
AP MAP	Assessor Parcel Map
APN	Assessor Parcel Number
APTS	Advanced Public Transportation Systems
AQAP	Air Quality Attainment Plan
AQMP	Air Quality Maintenance Plan
AR	Accident Rate (Accidents averaged over 3 years)
ARTS	Advanced Rural Transportation Systems
ATC	Automated Toll Collection
ATIS	Advanced Traveler Information Systems
ATMS	Advanced Traffic Management Systems
AVCS	Advanced Vehicle Control System
AVI	Automated Vehicle Identification
AVL	Automated Vehicle Location System
AVR	Average Vehicle Ridership

B

BAR	Bureau of Automotive Repair
BARC	Bakersfield Association for Retarded Citizens
BLM	Bureau of Land Management
BSC	Bakersfield Senior Center
BTv	Bus Ticket Validator

C

CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAB	Civil Aeronautics Board
CAL ACT	California Association for Coordinated Transit
CALCOG	California Association of Councils of Governments
CALTRANS	California State Department of Transportation
CARB	California Air Resources Board
CASP	California Airport Systems Plan
CCAA	California Clean Air Act
CDBG	Community Development Block Grant
CDM	Congestion/Demand Management
CDV	Credit/Debit Vendor
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFS	Container Freight Station
CHCP	Cargo Handling Cooperative Program
CHP	California Highway Patrol
CIP	Capital Improvement Program
CIR	Council on Intergovernmental Relations
CL	Carload or Containerload
CMA	Congestion Management Agency
CMAQ	Congestion Management Air Quality
CMP	Congestion Management Program
CMS	Congestion Management System
CMS	Changeable Message Signs
CMV	Commercial Motor Vehicle
CNG	Compressed Natural Gas
CO	Carbon Monoxide
COG	Council of Governments
CRLA	California Rural Legal Assistance
CTAC	Communications Technical Advisory Committee
CTC	California Transportation Commission
CTP	California Transportation Plan
CTPP	Census Transportation Planning Package
CTR	Commuter Trip Reduction
CTSA	Consolidated Transportation Services Agency
CVO	Commercial Vehicle Operations
CVWP	Central Valley Water Project

D

DADD	Delano Association for Developmentally Disabled
DB	Decibel
DBE	Disadvantaged Business Enterprise
DEIR/DEIS	Draft Environmental Impact Report/Draft Environmental Impact Statement (See EIR/EIS)
DFG	Department of Fish and Game
DHS	Department of Health Services
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of the Interior
DOT	Department of Transportation
DPM	Downtown People Mover
DWR	Department of Water Resources

E

EEOC	Equal Employment Opportunity Commission
EIR	Environmental Impact Report
EIR/EIS	Environmental Impact Report/Environmental Impact Statement
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
ESA	Endangered Species Act
ETC	Electronic Toll Collection
ETC	Employee Transportation Coordinator
ETMS	Enhanced Traffic Management System
ETR	Employers Training Resource
ETTM	Electronic Toll and Traffic Monitoring

F

FAA	Federal Aviation Administration
FAA	Federal Clean Air Act
FCC	Federal Communications Commission
FCR	Flexible Congestion Relief
FCS	Functional Classification System
FETSIM	Fuel Efficient Traffic Signal Management
FFV	Flexible Fuel Vehicle
FmHA	Farmers' Home Administration
FHWA	Federal Highway Administration
FIP	Federal Implementation Plan
FOCAS	Federal Railroad Administration
FS	Forest Service
FSP	Freeway Service Patrol
FTA	Federal Transit Administration
FWS	Fish and Wildlife Service

G

GET	Golden Empire Transit District
GIS	Geographical Information Systems
GPS	Global Positioning Systems
GSA	General Services Administration

H

HAR	Highway Advisory Radio
HAZMAT	Hazardous Materials
HCD	Housing and Community Development
HHS	Health and Human Services
HOV	High Occupancy Vehicle
HOV lane	High Occupancy Vehicle Lane
HPMS	Highway Performance Monitoring System
HSGT	High-speed Ground Transportation
HSOPP	Highway Systems Operation and Protection Plan
HSR	High Speed Rail
HUD	Department of Housing and Urban Development (federal)

I

ICC	Interstate Commerce Commission
ICMA	International City Managers' Association
IMS	Intermodal Management System
IPG	Intermodal Planning Group
IRRS	Interregional Road System
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
ITS	Intelligent Transportation System
ITS	Institute of Transportation Studies
IVHS	Intelligent Vehicle Highway Systems
IVRG	In-Vehicle Route Guidance System

J

JPPB	Joint Planning Policy Board (Military)
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K

KCAPCD	Kern County Air Pollution Control District
KCEOC	Kern County Economic Opportunity Corporation
KCWA	Kern County Water Agency
KMAA	Kern Motorist Aid Authority

L

LAFCO	Local Agency Formation Commission
LEV	Low Emission Vehicle
LNG	Liquid Natural Gas
LOS	Level of Service
LPG	Liquefied Petroleum Gas
LRRT	Light Rail Rapid Transit
LRT	Light Rail Transit
LRV	Light Rail Vehicle
LTF	Local Transportation Fund

M

MAGLEV	Magnetic Levitation
MAOF	Mexican American Opportunity Foundation
MMS	Maintenance Management System
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MPG	Miles Per Gallon
MPH	Miles Per Hour
MPO	Metropolitan Planning Organization
MSA	Metropolitan Statistical Area
MTIS	Multimodal Traveler Information Systems
MTS	Metropolitan Transportation System

N

NAAQS	National Ambient Air Quality Standard
NAFTA	North American Free Trade Agreement
NARC	National Association of Regional Councils
NASA	National Aeronautic and Space Administration
NAWS	Naval Air Weapons Station (China Lake)
NEPA	National Environmental Policy Act
NHS	National Highway System
NIMBY	Not In My Back Yard
NOR	North of the River Recreation and Parks District

O

OAA	Older Americans Act
OMB	Office of Management and Budget
OPR	Office of Planning and Research (state)
OSHA	Occupational Safety and Health Administration (federal)
OWP	Overall Work Program

P

PARIS	Passenger Routing and Information System
PATH	Program for Advanced Transit and Highways
PIP	Productivity Improvement Program
PIP	Public Information Program
PL	Planning Funds
PMS	Pavement Management System
PSTIP	Proposed State Transportation Improvement Program
PUC	Public Utilities Commission

R

REEP	Reasonable Extra Efforts Program
RFP	Request for Proposal
RFQ	Request for Qualifications
ROW	Right Of Way
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTPA	Regional Transportation Planning Agency
RWQCB	Regional Water Quality Control Board

S

SAFE	Service Authority for Freeway Emergencies
SB	Senate Bill
SBA	Small Business Administration
SCAG	Southern California Association of Governments
SCHWA	Southern California Hazardous Waste Authority
SIP	State Implementation Plan
SJVUAPCD	San Joaquin Valley Unified Air Pollution Control District
SMSA	Standard Metropolitan Statistical Area
SOV	Single Occupant Vehicle
S RTP	Short Range Transit Plan
STA	State Transit Assistance
STAA	Surface Transportation Assistance Act
STAF	State Transit Assistance Fund
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
STPP	Surface Transportation Policy Project
SWP	State Water Project
SWRCD	State Water Resources Control Board

T

TAP	Target Area Program (Head Start)
TARG	Transportation Air Quality Review Group
TCC	Transportation Control Center
TCD	Traffic Control Devices
TCI	Transit Capital Improvement Program
TCM	Transportation Control Measure
TDA	Transportation Development Act
TDM	Transportation Demand Management
TDP	Transportation Development Plan
TEA-21	Transportation Equity Act for the 21st Century
TIC	Transportation Information Center
TIGER	Topological Integrated Geographic Encoding & Referencing
TIP	Transportation Improvement Program
TMA	Transportation Management Area/Association
TMP	Transportation Management Plan
TMS	Traffic Management System
TMS	Traffic Monitoring System
TOC	Traffic Operations Center
TOS	Traffic Operations Systems
TP&D	Transportation Planning and Development
TP&D Account	Transportation Planning and Development Account
TRB	Transportation Research Board
TRIPS	Transportation Intelligent Planning System
TRO	Trip Reduction Ordinance
TSM	Transportation Systems Management
TTAC	Transportation Technical Advisory Committee
TV SAP Channel	Television Second Audio Program

U

UA	Urbanized Area
UMTA	Urban Mass Transportation Administration
URISA	Urban and Regional Information Systems Association
USDOT	U.S. Department of Transportation
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USTIP	Updated State Transportation Improvement Program
UTPP	Urban Transportation Planning Package
UZA	Urbanized Area

V

VFV	Variable Fuel Vehicle
VMT	Vehicle Miles Traveled
VNIS	Vehicle Navigation and Information Systems
VOR	Vehicle Occupancy Rate

W

WADD	Wasco Association for Developmentally Disabled
WBE	Women Owned Business Enterprise
WE	Work Element
WP	Work Program
WWW	World Wide Web

Z

ZEV	Zero Emission Vehicle
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