

STATE OF CALIFORNIA
Budget Change Proposal - Cover Sheet
 DF-46 (REV 10/20)

Fiscal Year 2023/24	Business Unit 2720	Department California Highway Patrol	Priority No. 4
Budget Request Name 2720-012-BCP-2023-GB		Program Traffic Management	Subprogram Ground Operations

Budget Request Description
 Fleet Telematics System – Ongoing Support

Budget Request Summary

The California Highway Patrol requests one Associate Governmental Program Analyst position and \$1.053 million permanent budget augmentation from the Motor Vehicle Account for the ongoing operation costs of the Fleet Telematics System. The Fleet Telematics System allows the sending, receiving, and storing of telemetry data, which can include vehicle location, speed, fuel consumption, and other vehicle information.

Requires Legislation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Does this BCP contain information technology (IT) components? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, departmental Chief Information Officer must sign.</i>	Department CIO	Date

For IT requests, specify the project number, the most recent project approval document (FSR, SPR, S1BA, S2AA, S3SD, S4PRA), and the approval date.

Project No. _____ **Project Approval Document:** _____

Approval Date: _____

If proposal affects another department, does other department concur with proposal? Yes No
Attach comments of affected department, signed and dated by the department director or designee.

Prepared By Mark Stevens	Date 8/9/2022	Reviewed By Michelle Fojas, Budget Officer	Date 8/9/2022
Department Director Amanda L. Ray, Commissioner	Date 8/14/2022	Agency Secretary Toks Omishakin	Date 9/1/2022

Department of Finance Use Only

Additional Review: Capital Outlay ITCU FSCU OSAE Dept. of Technology

PPBA Eamon Nalband	Date submitted to the Legislature 1/10/2023
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A. Budget Request Summary

The Department of General Services (DGS) issued State Administrative Manual (SAM) Management Memorandum #21-01 on January 13, 2021, advising state agencies they shall have telematics services installed, activated, and made operational on owned fleet mobile equipment and vehicles (fleet assets). As a result of this requirement by DGS, the California Highway Patrol (CHP) requests one Associate Governmental Program Analyst position (AGPA) and \$1.053 million permanent augmentation from the Motor Vehicle Account (MVA) for the ongoing operation costs of the Fleet Telematic System. The Fleet Telematics System allows the sending, receiving, and storing of telemetry data, which can include location, speed, fuel consumption, and other vehicle information.

The Budget Acts of 2021 and 2022 included provisional language allowing budget augmentation to fund one AGPA position and the costs related to the installation and operation of the telematics system. This proposal requests position authority for the AGPA and to make the budget augmentation permanent to cover ongoing costs.

B. Background/History

The CHP's Fleet Operations Section (FOS) is responsible for acquiring, up-fitting, deploying, and providing support and maintenance oversight for the Department's fleet assets. The FOS serves as the central repository for fleet data, completes fleet reporting requirements to the DGS, and maintains the efficiency of the Department's overall fleet by providing technical recommendations regarding fleet management for Executive Management. The FOS has multiple subject matter experts assigned to the FOS to efficiently and effectively manage the CHP's fleet. The CHP's fleet consists of approximately 4,600 total assets.

In 2011, California Public Resources Code (PRC) §25722.5 and Executive Order (EO) B-2-11 were issued. The PRC §25722.5 requires DGS, in consultation with the California Air Resources Board, to develop and adopt specifications and standards for all passenger cars and light-duty trucks acquired by state offices, agencies, and departments to achieve policy objectives related to developing fuel efficiency standards to reduce petroleum consumption by the state vehicle fleet. This section also states that an authorized emergency vehicle, as defined in §25252 of the California Vehicle Code (CVC), is exempt from the requirements of this section. Executive Order B-2-11 requires state agencies to provide and update their fleet asset information to DGS on a monthly basis.

, The SAM Management Memorandum #21-01 issued by DGS on January 13, 2021, . stated that because the process to collect and report on fleet asset data is manual in nature, cumbersome, and time consuming, the installation of telematics would automate the process and reduce the workload associated with fleet data collection and reporting. The memorandum provided direction to all state agencies on new telematics installation and usage requirements for the state fleet as outlined in new SAM section 4122.

The telematics system includes a vehicle tracking device that allows the sending, receiving, and storing of telemetry data. The telematics data captured can include location, speed, idling time, driving habits, fuel consumption, vehicle faults, and more. Using reports generated by the telematics vendor, the data is added by the participating state agency into DGS templates and then uploaded into the agency's and DGS' fleet management software.

Telematics policy contained in SAM section 4122 states that state agencies shall have telematics services installed, activated, and made operational on owned fleet mobile equipment and vehicles (fleet assets) in accordance with two phases:

- Phase One – As of August 1, 2021, state agencies shall have telematics services installed, activated, and made operational on all owned light-duty fleet assets.
- Phase Two – As of February 1, 2022, state agencies shall have telematics services installed, activated, and made operational on all owned assets in their fleet.

The SAM 4122 telematics policy also provides exemptions from telematics. Based upon these exemptions, the CHP would be required to install, activate, manage, and make telematics services operational on approximately 4,116 active fleet assets. The CHP has inactive fleet assets that have not been built and exempt fleet assets, leaving approximately 4116 active fleet assets requiring telematics services to be installed. This number always fluctuates as assets are added and removed from the fleet.

C. State Level Consideration

This proposal is consistent with the following goals and objectives in the CHP's Strategic Plan:

Goal #2 – Enhance Public Trust Through Superior Service

- Objective 2C – Demonstrate departmental integrity, transparency, and accountability with the public.
- Objective 2D – Increase efficiency through technology.
- Objective 2E – Enhance environmentally sustainable practices within our facilities, operations and fleet.
- Performance Measure – By 2024, increase the number of plug-in hybrid electric vehicles and battery electric vehicles within the departmental fleet by 50 percent.

D. Justification

The CHP has 3,532 existing fleet assets that required telematics services that had to be installed, activated, and made operational by August 1, 2021. The Department is currently purchasing 584 additional fleet assets to replace over-mileage assets that did not receive the initial telematics services due to high-mileage and being scheduled for replacement within one year. The cost for Geotab's subscription-based service for these vehicles is \$914,000 annually. This requested ongoing funding will sustain the current level of subscriptions, as they can be transferred to new fleet assets when they replace old fleet assets.

The Department is requesting one permanent AGPA position and associated funding of \$139,000. The AGPA will serve as the statewide telematics administrator/coordinator for the CHP and will handle the additional workload for managing all telematics subscription services and reporting to DGS. The responsibilities include: monitoring inventory of Geotab devices, entering and updating driver identification fobs, while being the Geotab liaison. This involves ensuring the device installs are completed and have connectivity, setting up user profiles on each device, and being the point of contact for any users having issues. The AGPA will also be required to produce reports to be uploaded and made available to the DGS Office of Fleet Asset and Management (OFAM), which will be produced according to the following criteria, per SAM section 4122.

- The number of days the fleet asset was used in a given month.
- The total miles/hours the fleet asset was operated in a given month.

- The amount of fuel, including electricity and hydrogen, consumed over a specified period of the time by a specific fleet asset or by a group of fleet assets.
- The number of electric miles driven over a specified period of time by a specific plug-in electric fleet asset or by a group of plug-in electric fleet assets.

The monthly report will be uploaded by the AGPA to OFAM's Fleet and Asset Management System (FAMS), an online portal where usage data is uploaded so it can be analyzed by OFAM. The uploading process includes downloading the telematics data from CHP's active vehicles, formatting the data to fit the FAMS template, checking the data for anomalies, and uploading the data into FAMS. The AGPA will also be responsible for providing other telematics-specific reports to OFAM upon request.

E. Outcomes and Accountability

If approved, the CHP will have the resources necessary for the ongoing operation of the telematics system on the CHP fleet assets and be able to comply with SAM section 4122.

F. Analysis of All Feasible Alternatives

1. Approve one AGPA position and \$1.053 million permanent budget augmentation from the MVA for the ongoing operation costs of the Fleet Telematics System.

Pro: This option would allow the CHP to have the necessary funding and personnel to support the CHP's implementation, tracking, and monthly data submission of the telematics system, to comply with SAM section 4122. The telematics service will improve productivity, optimize fleets through the reduction of fuel consumption, enhance driver safety, and achieve regulatory compliance. In addition, the telematics is intended to provide information that will help inform DGS and OFAM on future decisions that will assist the State in reaching minimum air pollution emission specifications that meet or exceed California's Ultra-Low Emission Vehicle II (ULEV II) standards for exhaust emissions.

Con: This option requires additional funding from the MVA.

2. Deny this request.

Pro: This option would not obligate funds from the MVA.

Con: The CHP would remain noncompliant with SAM section 4122. In addition, the CHP would have to continue using existing resources that are inefficient and time-consuming to provide DGS information on CHP fleet assets related to fuel consumption, driver safety, and regulatory compliance. The CHP would also have to absorb the monthly subscription costs in its operating budget. Denying this request would result in the State's inability to meet California's ULEV II standards.

G. Implementation Plan

The augmentation would become effective beginning July 1, 2023, or upon enactment of the Budget Act of 2023.

H. Supplemental Information

Cost Breakdown	
Fleet Description	Quantity
EXEMPT - Motorcycles	359
EXEMPT - Undercover	171
Light Duty Assets 136/17 ZEV	153
Light Duty §25252 Vehicles	3,654
Heavy Duty Assets	309
Total Fleet for Telematics Implementation	4,116
Annual Telematics Fee (\$18.50 X 12 months)	222
Total Annual Telematics Fee	913,752
AGPA Position	Annual Cost
Salary - Annual Mid-Range	75,000
Benefits	55,000
Operating Expenses & Equipment	9,000
Total	\$139,000
Total On-going Costs (rounded to thousand)	\$ 1,053,000

I. Recommendation

The CHP recommends approval of Alternative 1. This alternative would provide the resources required for the ongoing operation costs of the Fleet Telematics System.

BCP Fiscal Detail Sheet

BCP Title: Telematics - Ongoing Support

BR Name: 2720-012-BCP-2023-GB

Budget Request Summary

Personal Services

Personal Services	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
Positions - Permanent	0.0	1.0	1.0	1.0	1.0	1.0
Total Positions	0.0	1.0	1.0	1.0	1.0	1.0
Salaries and Wages Earnings - Permanent	0	75	75	75	75	75
Total Salaries and Wages	\$0	\$75	\$75	\$75	\$75	\$75
Total Staff Benefits	0	55	55	55	55	55
Total Personal Services	\$0	\$130	\$130	\$130	\$130	\$130

Operating Expenses and Equipment

Operating Expenses and Equipment	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
5301 - General Expense	0	9	9	9	9	9
5346 - Information Technology	0	914	914	914	914	914
Total Operating Expenses and Equipment	\$0	\$923	\$923	\$923	\$923	\$923

Total Budget Request

Total Budget Request	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
Total Budget Request	\$0	\$1,053	\$1,053	\$1,053	\$1,053	\$1,053

Fund Summary

Fund Source

Fund Source	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
State Operations - 0044 - Motor Vehicle Account, State Transportation Fund	0	1,053	1,053	1,053	1,053	1,053
Total State Operations Expenditures	\$0	\$1,053	\$1,053	\$1,053	\$1,053	\$1,053

Fund Source	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
Total All Funds	\$0	\$1,053	\$1,053	\$1,053	\$1,053	\$1,053

Program Summary

Program Funding

Program Funding	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
2050010 - Ground Operations	0	1,053	1,053	1,053	1,053	1,053
Total All Programs	\$0	\$1,053	\$1,053	\$1,053	\$1,053	\$1,053

Personal Services Details

Positions

Positions	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
5393 - Assoc Govtl Program Analyst (Eff. 07-01-2023)	0.0	1.0	1.0	1.0	1.0	1.0
Total Positions	0.0	1.0	1.0	1.0	1.0	1.0

Salaries and Wages

Salaries and Wages	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
5393 - Assoc Govtl Program Analyst (Eff. 07-01-2023)	0	75	75	75	75	75
Total Salaries and Wages	\$0	\$75	\$75	\$75	\$75	\$75

Staff Benefits

Staff Benefits	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
5150900 - Staff Benefits - Other	0	55	55	55	55	55
Total Staff Benefits	\$0	\$55	\$55	\$55	\$55	\$55

Total Personal Services

Total Personal Services	FY23 Current Year	FY23 Budget Year	FY23 BY+1	FY23 BY+2	FY23 BY+3	FY23 BY+4
Total Personal Services	\$0	\$130	\$130	\$130	\$130	\$130