

STATE OF CALIFORNIA
Budget Change Proposal - Cover Sheet
 DF-46 (REV 08/17)

Fiscal Year 2019/20	Business Unit 2720	Department California Highway Patrol	Priority No. 2
Budget Request Name 2720-002-BCP-2019-GB		Program Various	Subprogram Various

Budget Request Description
 Equip Patrol Officers with Multi-Function Tablet Devices

Budget Request Summary

The California Highway Patrol requests one-time funding of \$15 million in Fiscal Year 2019/20 from the General Fund for the purchase of multi-function rugged tablets to replace single-use handheld citation devices and aging laptops. Multi-function tablets will allow officers to carry a single device for electronic citations, data collection requirements, and provide full access to departmental software applications.

The new tablets will also be used to expand the Statewide Automated Citation System. The improved access to departmental programs and resources will increase officer efficiency by permitting more time for emergency response and other traffic safety related activities.

Requires Legislation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Code Section(s) to be Added/Amended/Repealed	
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	Date	Reviewed By	Date
Department Director	Date	Agency Secretary	Date

Department of Finance Use Only

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

PPBA Original Signed by Amanda Martin	Date submitted to the Legislature JAN 10 2019
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A. Budget Request Summary

The California Highway Patrol (CHP) requests one-time funding of \$15 million in Fiscal Year (FY) 2019/20 from the General Fund for the purchase of multi-function rugged tablets to replace single-use handheld citation devices and aging laptops. Multi-function tablets will allow officers to carry a single device for electronic citations, data collection requirements, and provide full access to departmental software applications.

The new tablets will also be used to expand the Statewide Automated Citation System (SACS). The improved access to departmental programs and resources will increase officer efficiency by permitting more time for emergency response and other traffic safety related activities.

B. Background/History

In 2016, the CHP issued 1,367,075 citations statewide. Of those, 118,780 were issued electronically. In 2017, the CHP issued 1,395,576 citations statewide, and the number issued electronically rose to 213,377. The use of the electronic capture method has streamlined the issuance of citations to violators, as well as the delivery of citations to the courts in those counties where electronic citations are accepted. In the remaining counties, officers continue to handwrite citations which are processed and delivered to the court manually.

The CHP currently provides automated citations to eight courts/counties: Santa Clara, Orange, San Bernardino, Merced, Fresno, Kings, Sacramento, and Los Angeles. The courts have implemented electronic case management systems and have requested all law enforcement agencies submit electronic citations. Automating citation issuance and processing statewide will increase overall departmental efficiency and allow the CHP to track various data points from all citations in real time.

The existing inventory of Automated Citation Devices (ACD) are single-use devices which can only be used for citation issuance and processing. These single-use devices were placed in service from FY 2010/11 to FY 2014/15 and are nearing end of life. The existing devices, manufactured by Motorola, are no longer in production. Manufacturer support ended March 31, 2015, and there are no replacement devices or repair parts available. The CHP must prepare to expand the SACS program to additional counties; this will require new devices.

In June 2018, the CHP deployed 400 multi-function rugged tablets to motorcycle officers. Enforcement motorcycles cannot be equipped with a fixed mobile computer; therefore, it was necessary to provide officers with a tool to collect and enter various demographic data required by Assembly Bill 953, the Racial and Identity Profiling Act of 2015. This legislative mandate became operational on July 1, 2018. These multi-function tablets allow motorcycle officers to have the same mobile digital computer (MDC) capabilities as an officer operating a patrol vehicle. The MDC is used to provide timely and accurate incident response information to the patrol officer. During emergency incidents the MDC can be used to send and receive critical messages between officers and dispatch centers when over-the-air radio traffic volumes do not permit. These multi-function tablets replaced laptops that were being used to complete crash investigation reports, arrest reports, and other administrative reporting. Additionally, the multi-function tablet also replaced the single-use ACD, giving officers the ability to issue a citation through the SACS in Area offices with the program.

C. State Level Considerations

As additional courts begin to require the automated processing of citations, the CHP must be prepared to comply. Additionally, the SACS program provides access to all citation data for tracking purposes with focus on high violation or crash locations. The CHP currently uses this data to track trends and deploy resources; however, due to the limited deployment of SACS, the system is largely manual, resource intensive, and cumbersome. Expanding the SACS program and issuing multi-function tablets for document completion will increase overall departmental efficiency. The reduction in time required to issue a citation to a violator will allow more time for officers to respond to emergencies and other traffic safety related activities. The SACS program is currently utilized in 30 CHP Area commands; however, the CHP intends to expand the program to all commands. As courts statewide migrate to electronic records management systems, the CHP will work with them to institute electronic processing of citations through the SACS program.

D. Justification

The multi-function tablets will allow officers to carry a single device for electronic citations, AB 953 data collection requirements, arrest and crash report completion, as well as providing full access to departmental software applications, such as the MDC. The new tablets will also allow for the expansion of the SACS program. Unlike the single-use ACD currently in use, the tablets will be multi-functional, allowing officers to collect data for a suite of applications, such as crash reports, towing forms, arrest reports, and demographic data collection. The multi-function tablets will permit the CHP user to take advantage of automated importation of personally identifiable information (PII) from the magnetic strip of a government issued identification card, as well as direct scanning of vehicle license information from registration document barcoding. This direct import of data will increase information accuracy as well as information security. Information directly imported may be used to automatically populate the variety of forms used to process an encounter between a CHP officer and a member of the public, including arrests, vehicle storage, and vehicle impounds.

A single rugged mobile device that allows officers in the field to have full access to MDC functions, all departmental applications, and SACS will improve efficiency, effectiveness, and safety. These devices will reduce the length of time and exposure an officer faces at a crash scene, permit roadways to be cleared sooner to resume the flow of goods and commerce, and free the CHP officer to engage in traffic safety activities or to quickly respond to other emergency incidents.

The CHP deployed 1,075 single-use Motorola ACDs beginning in FY 2010/11. The table below indicates quantity, life expectancy, and forecast replacement year. All existing Motorola ACDs will have exceeded life expectancy as well as manufacturer support by the close of FY 2019/20. The ACD is used to capture specific PII for the purposes of issuing enforcement documents only, it cannot be used to populate other contact forms. End of manufacturer support includes the end of software refreshes, patches, and security enhancements.

Item	Quantity purchased	Fiscal Year (FY) Acquired	Life expectancy	Anticipated end of life
Motorola ACD	(pilot) 202	FY 2010/11	5 years	FY 2015/16
Motorola ACD	356	FY 2012/13	5 years	FY 2017/18
Motorola ACD	161	FY 2013/14	5 years	FY 2018/19
Motorola ACD	356	FY 2014/15	5 years	FY 2019/20
Total	1,075			

E. Outcomes and Accountability

Upon deployment, the CHP expects to reduce time spent by officers at the scene of traffic crashes and traffic stops, thereby freeing up time for emergency response and other traffic safety related services. The CHP also anticipates that local courts will realize cost savings due to the reduction in labor required to process electronic citation data. As the program expands and multi-function tablets replace both the existing single-use ACDs and laptop computers, the number of devices requiring support and replacements will decrease.

F. Analysis of All Feasible Alternatives

1. Approve one-time funding of \$15 million in FY 2019/20 from the General Fund with an extended encumbrance period to purchase multi-function rugged tablets.

Pro: This option will allow the CHP to replace existing single-use ACDs that are nearing end of life and end of product support, and provide officers with a single device to perform multiple functions. The use of this device will permit more time for officers to respond to emergencies and other traffic safety related activities. The use of this device will increase information accuracy and information security. In addition, it will provide the CHP the ability to expand the SACS program to additional Area offices.

Con: This option obligates funds from the General Fund.

2. Approve multi-year funding of \$15 million from the General Fund over three years (\$3.161 million in FY 2019/20, \$5.917 million in FY 2020/21, and \$5.922 million in FY 2021/22).

Pro: This option will permit the CHP to begin replacement of single-use ACDs while expanding the SACS program, and will reduce the funds obligated from the General Fund in FY 2019/20 by spreading them over an additional two FYs.

Con: This option obligates funds from the General Fund but with less flexibility than Alternative 1 should any of the implementation activities associated with FY 2019/20 or FY 2020/21 funding be delayed.

	FY 2019/20		FY 2020/21		FY 2021/22	
Tablet	602 ¹	\$2,709,000	1,236 ²	\$5,562,000	1,237 ³	\$5,566,500
Printer	152 ¹	\$152,000	55	\$55,000	55	\$55,000
Brackets, etc.		\$300,168		\$300,166		\$300,166
TOTAL		\$3,161,168		\$5,917,166		\$5,921,666

¹ Includes 538 replacements for existing devices and rollout in Santa Barbara County.

² Includes 537 replacements for existing devices and rollout to additional counties.

³ Includes rollout to additional counties.

3. Deny this request.

Pro: This option would not obligate funds from the General Fund.

Con: This would result in zero new courts coming online and ending the program for current Area offices and courts upon equipment failure. The current Motorola ACD is no longer manufactured; therefore, no replacements, support, or repair parts are available. The CHP would have to resume issuance and processing of paper citations and citation information must be manually entered into CHP systems and Superior Court case management systems. The resulting loss of efficiency would cause the CHP and local courts to incur additional personnel costs.

G. Implementation Plan

The multi-function tablets will replace the previously issued Motorola ACDs and previously issued officer laptops in Area offices currently utilizing both and provide expansion of SACS to additional Area offices. This replacement of the citation device and the laptop will provide officers a single piece of equipment with multiple uses. Officers will be able to utilize all required software and will only need to carry one device.

The CHP plans to issue the equipment statewide using its proven method of delivery. The project team has developed a repeatable process to ensure ease of training and use by the user group. Training is provided by a combination of project staff and officers.

Due to the environment in which this sensitive electronic device will be used, the life expectancy of a multi-function rugged tablet computer is approximately five years. A five-year replacement cycle will allow for timely upgrade to newer technology and will reduce repair cost for aging devices.

H. Supplemental Information

Item	Quantity	Unit Cost	Total
Rugged tablets with additional features for law enforcement (magnetic stripe reader, barcode scanner, fingerprint capture, keyboard, etc.)	3,075	\$4,500	\$13,837,500
Printers (includes shielded cables)	262	\$1,000	\$262,000
Miscellaneous (docking stations for offices, etc.)	various	various	\$900,500
Grand Total			\$15,000,000

I. **Recommendation**

The CHP recommends Alternative 1, approve one-time funding of \$15 million in FY 2019/20 from the General Fund with an extended encumbrance period to purchase multi-function rugged tablets to replace single-use handheld citation devices and aging laptops. A single mobile device that allows an officer to have the full capabilities of an MDC, access to departmental applications, and the ability to issue an electronic citation will increase efficiency, permitting more time for emergency response and other traffic safety related activities.

BCP Fiscal Detail Sheet

BCP Title: Equip Patrol Officers with Multi-Function Tablet Devices

BR Name: 2720-002-BCP-2019-GB

Budget Request Summary

	FY19					
	CY	BY	BY+1	BY+2	BY+3	BY+4
Operating Expenses and Equipment						
539X - Other	0	15,000	0	0	0	0
Total Operating Expenses and Equipment	\$0	\$15,000	\$0	\$0	\$0	\$0
Total Budget Request	\$0	\$15,000	\$0	\$0	\$0	\$0

Fund Summary

Fund Source - State Operations						
0001 - General Fund	0	15,000	0	0	0	0
Total State Operations Expenditures	\$0	\$15,000	\$0	\$0	\$0	\$0
Total All Funds	\$0	\$15,000	\$0	\$0	\$0	\$0

Program Summary

Program Funding						
2050010 - Ground Operations	0	15,000	0	0	0	0
Total All Programs	\$0	\$15,000	\$0	\$0	\$0	\$0