

SB 1 (Chapter 5, Statutes of 2017) State of Good Repair Program Proposed Project Descriptions

Heating-Ventilation Replacement at the Santa Ana Bus Base

The project includes replacement of heating-ventilation units (HVAC) and exhaust fan (EF) units within all buildings at the Santa Ana Bus Base, including the rooftop cyclone vacuum units at the fuel building. The project is necessary to maintain Santa Ana Bus Base building mechanical systems in a state of good repair and mechanical equipment life cycle. The project will replace the old rooftop mechanical HVAC units, EF units, and cyclone vacuum units with new energy efficient units. The proposed updated funding plan based on bids received for this work is provided in the table below:

Existing Funding (\$000s)	FY22/23 SGR	FY23/24 SGR	FY24/25 SGR	FY25/26 SGR	Total
CON	\$1,150	\$1,190	\$506	\$4,154	\$7,000

Proposed Funding (\$000s)	FY22/23 SGR	FY23/24 SGR	FY24/25 SGR	FY25/26 SGR	Estimated Total
CON	\$1,150	\$1,190	\$506	\$1,747	\$4,593

CON – Construction

FY – Fiscal Year

SGR – SB 1 State of Good Repair Program

Battery-Electric Chargers at the Santa Ana Bus Base

In early 2020, Orange County Transportation Authority (OCTA) initiated a pilot program to test zero-emission bus (ZEB) technology to obtain operational performance information to determine which ZEB technology, or mix of technologies, best meets OCTA service requirements. The pilot program was expanded in 2023 with the introduction of ten battery-electric buses (BEB) operating from the Garden Grove Bus Base. This project will further expand the ZEB pilot program with installation of electric bus chargers to support ten BEBs operating from the Santa Ana Bus Base. Installing BEB chargers at the Santa Ana Bus Base will provide flexibility to deploy BEBs from either location on various routes expanding the operating environments in which these buses are being tested. The project will install ten 160-kilowatt plug-in chargers and one 480-kilowatt pantograph charger at the Santa Ana Bus Base, including charger power cabinets, charger dispensers, a pantograph, underground conduits, electrical conductors, metered electrical power distribution equipment, standby generator, Fleetwatch receivers for OCTA's fuel management system, pavement repairs, connection to the Southern California Edison infrastructure, safety compliance, and related work. In coordination with operations maintenance and the equipment manufacturer, the project will energize and test the functionality of the BEB chargers for use. The proposed updated funding plan based on bids received for this work is provided in the table below:

Existing Funding (\$000s)	FY23/24 SGR	Total
CON	\$1,500	\$1,500

Proposed Funding (\$000s)	FY23/24 SGR	FY25/26 SGR	Estimated Total
CON	\$1,500	\$1,290	\$2,790

Hydrogen Fueling Station at the Garden Grove Bus Base

Since OCTA's pilot program to test ZEB technology in early 2020, the pilot was expanded in 2023 with the introduction of ten battery-electric buses operating from the Garden Grove Bus Base. OCTA is now underway with expanding the ZEB fleet with the addition of 40 new fuel-cell electric buses (FCEB) along with the installation of a hydrogen (H₂) fueling station at the Garden Grove Bus Base. The project will install a liquid H₂ fueling station, FCEB de-fueling appurtenances, H₂ detection in bus maintenance facilities, metered electrical infrastructure, a standby power generator, FCEB maintenance platform, and related work. The proposed updated funding plan based on updated cost estimates is provided in the table below:

Existing Funding (\$000s)	LCTOP	TIRCP	Total
CON	\$8,914	\$3,086	\$12,000
CM	\$750	\$750	\$1,500
Total	\$9,664	\$3,836	\$13,500

Proposed Funding (\$000s)	LCTOP	TIRCP	FY25/26 SGR	FY26/27 SGR	SB 125 Accrued Interest	Estimated Total
CON	\$8,914	\$3,086	\$4,505	\$3,651	\$424	\$20,580
CM	\$750	\$750	-	-	-	\$1,500
Total	\$9,664	\$3,836	\$4,505	\$3,651	\$424	\$22,080

LCTOP – Low Carbon Transit Operations Program
TIRCP – Transit and Intercity Rail Capital Program
SB 125 – SB 125 (Chapter 54, Statutes of 2023) Transit Program
CM – Construction Management