

**GL: PROTECT Planning Studies  
(VAR230201)**

**Last updated with the 2025 TIP Update**

**Back-Up Listing for the PROTECT Planning Studies Grouped Listings (VAR230201)**

State Fiscal Year	District	Agency	MPO	County	Project Title	Project Study Area	Scope of Work	Grouped Projects Listing	Federal Share (PROTECT Planning Set-Aside)	State Match (Min. 20%)	Current Total Project Cost Estimate
22/23		4 Caltrans	MTC	Marin	Highway 1 Sea Level Rise Adaptation Planning Study	Along the eastern shoreline of Bolinas Lagoon, between Stinson Beach and Woodville (MRN 1: 17.6/12.21).	The adaptation planning study will contribute to advancing a climate resilient approach for Highway 1 along the eastern shoreline of Bolinas Lagoon in Marin County. The study will include a robust technical analysis of existing and anticipated climate change impacts in the location, analyze various climate change adaptation options for the transportation system, with a focus on sea level rise, shoreline modeling, sediment conveyance, and wind wave runup/high tides (and other technical areas as required by the California Coastal Commission), (Project is consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - Planning activities conducted pursuant to titles 23 and 49 U.S.C.)	Grouped Projects for Planning activities	\$462,272	\$115,568	\$577,840
23/24		4 Caltrans	MTC	Marin	Highway 1 Sea Level Rise Adaptation Planning Study	Along the eastern shoreline of Bolinas Lagoon, between Stinson Beach and Woodville (MRN 1: 17.6/12.21).	See above.	Grouped Projects for Planning activities	\$80,000	\$20,000	\$100,000
23/24		4 Caltrans	MTC	Marin	Marin 101 Adaptation Planning Study	Along US 101 North in Marin County from Marin City to San Rafael (PM 3.3./11.0)	The adaptation planning study will contribute to advancing a climate resilient planning approach for the US 101 corridor in Marin County. This corridor-level adaptation study will apply a combination of sea level rise analysis/alternatives assessment work with public engagement/outreach, implementing these two activities strategically - either independently or in tandem - at specific locations through the larger corridor-level study area. These tasks will be performed within the study area, from the US 101 bridge crossing over San Rafael Creek down to the Donahue St. on/off ramps in Marin City. Study activities will be coordinated concurrently with a TAM-led transportation infrastructure resiliency study underway. (Project is consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - Planning activities conducted pursuant to titles 23 and 49 U.S.C.)	Grouped Projects for Planning activities	\$740,000	\$190,000	\$950,000
								FY2023 Totals:	\$462,272	\$115,568	\$577,840
								FY2024 Totals:	\$840,000	\$210,000	\$1,050,000
								Group Listing Total:	\$1,302,272	\$325,568	\$1,627,840