

State of California
Business, Transportation and Housing Agency
Department of Transportation

HIGHWAY FINANCIAL MATTERS
Project Greater Than 120%
Resolution: FP-00-84

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CTC Meeting: May 2-3, 2001
Agenda Item: 2.5d.

Original Signed by _____

W. J. Evans
Chief Financial Officer
May 1, 2001

**ALLOCATIONS FOR PROJECTS WITH VALUE GREATER THAN 120 PERCENT OF
PROGRAMMED AMOUNT**

RESOLUTION FP-00-84

RECOMMENDATION

The Department of Transportation (Department) recommends that the California Transportation Commission (Commission) approve the following Resolution.

FINANCIAL RESOLUTION

Resolved, that \$17,398,000 be allocated from Budget Act Items 2660-301-0042 and 2660-301-0890, Budget Act of 2000 for the four (4) projects on the attached sheets.

The Department has complied with the National Environmental Policy Act and the California Environmental Quality Act requirements in preparing these projects.

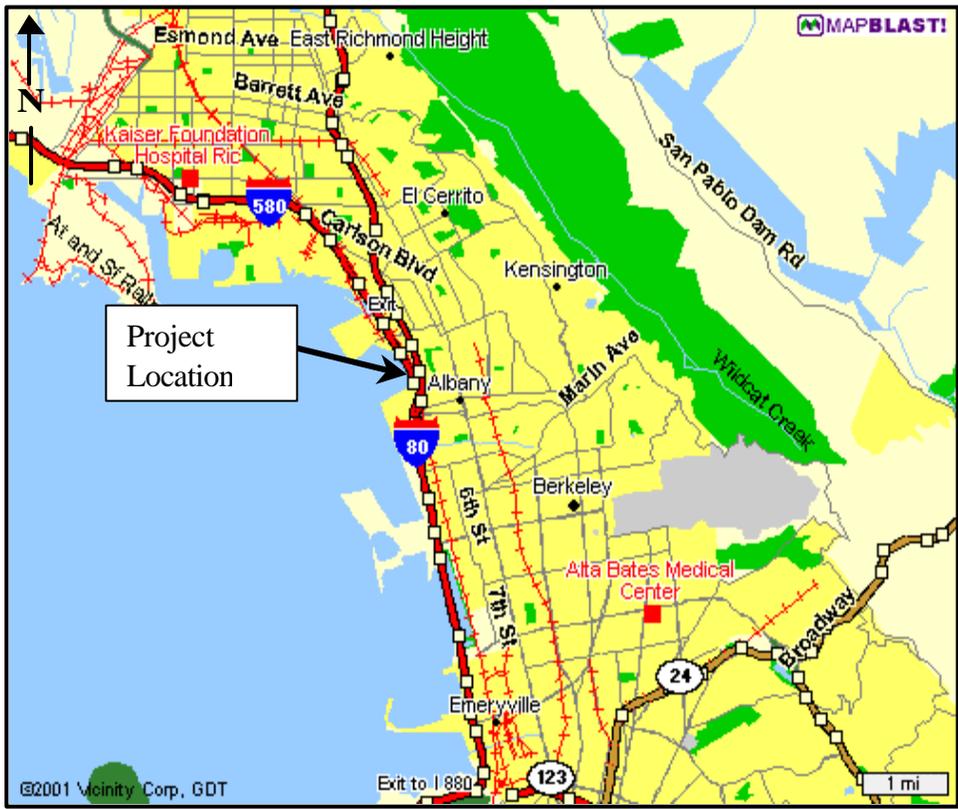
These major construction project proposed for funding are included in either the adopted State Transportation Improvement Program (STIP) or the State Highway Operation and Protection Program (SHOPP).

SUMMARY AND CONCLUSIONS

This resolution allocates State and Federal funds of \$17,398,000 for four (4) new major construction projects. These projects have a total cost greater than 120 percent of the programmed amount.

The additional funds of \$192,000 requested for the STIP project will come from the Alameda County Unprogrammed Balance Share. The additional fund of \$8,292,000 requested for these SHOPP projects will come from SHOPP savings.

Project # Allocation Amount Recipient County Dist-Co-Rte Postmile	Location Project Description Project Support Expenditures	EA (PPNO) Program (Prog Year) Prog Amount	Budget Year Item # Program Codes	State Federal Total Amount
1 \$311,000 Department of Transportation MTC Alameda 04N-Ala-580 47.4/47.9	In Albany on Buchanan Street (Route 80 HOV Corridor). Environmental mitigation. (The additional \$192,000 in CON is to be funded from the Alameda County RIP funds). Support Expenditures to Date: \$46,461	181791 04-0054I GF-RIP / 00-01 \$0 \$0 \$36,000 \$119,000	2000-01 301-0042 301-0890 20.20.075.451	\$11,000 \$108,000
		RIP / 00-01 \$0 \$0 \$0 \$192,000	2000-01 301-0042 301-0890 20.20.075.651	\$17,000 \$175,000
				\$311,000



PROJECT DESCRIPTION

The project is in Alameda and Contra Costa Counties, in Albany and Richmond, from El Cerrito Overhead structure to Central Avenue. The project extends the plant establishment period by 4 years for wetland habitats previously established near the Albany Mud Flat on San Francisco Bay.

FUNDING STATUS

The project is programmed in the 2000 STIP for \$119,000 with Grandfathered Regional Improvement Program (GF-RIP) funds for construction in the 2000/01 Fiscal Year. This request for \$311,000 is approximately 161% over the programmed amount for the project.

BACKGROUND

This project is required as part of the mitigation for shoreline impacts resulting from construction of High Occupancy Vehicle (HOV) lanes along the Route 80 corridor and is required by U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service and the San Francisco Bay Conservation and Development Commission. A previous mitigation contract constructed the second phase of a multi-use pathway and replaced 2,400 linear feet of rip-rap shoreline protection with slope stabilization and plant life. The construction contract for the wetland habitat included one year of plant establishment. This project was originally programmed based on the assumption that permitting agencies would agree to two years of extended plant establishment, but costs have increased because the agencies ultimately required four years of extended plant establishment beyond the initial one year included in the installation contract.

REASON FOR INCREASE

Doubling the extended plant establishment period from two to four years accounts for the majority of the increase and the remainder is due to estimate adjustments based on recent bid openings for similar projects in the area. Two projects with similar scopes in the same area received bids much greater than the Engineer's Estimate and had only two bidders. Contractors who requested bid documents but did not submit bids for those projects reported that they were not interested in this type of work due to the length of the establishment periods. Contractors that did bid those projects indicated that the higher than expected bids were a reflection of the labor-intensive nature of the work and the high risk of plant failure due to tidal influence and the sensitivity of the plants involved. An additional \$192,000 is needed to reflect the current costs to comply with permit requirements.

FUNDING OPTIONS

OPTION A: Approve this request as presented above for \$311,000 to allow this project to be advertised.

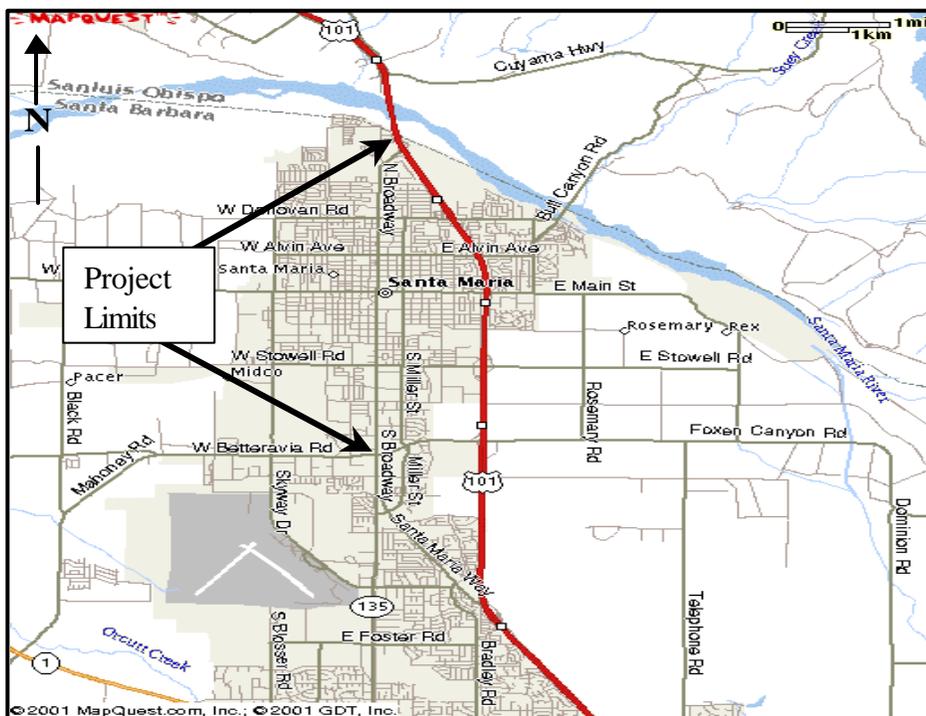
OPTION B: Deny this request and direct the Department to redesign the project to bring the cost within the programmed amount.

The Department considered this option. The Department agreed to abide by the permits issued by U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service and the San Francisco Bay Conservation and Development Commission that require a four-year plant establishment period. Denying this request would prevent the Department from fulfilling mitigation requirements for the construction of the Route 80 HOV project.

RECOMMENDED OPTION

The Department, the Metropolitan Transportation Commission and the Alameda County Congestion Management Agency recommend that this request for \$311,000, as presented in OPTION A above, be approved to allow this project to be advertised.

Project # Allocation Amount Recipient County Dist-Co-Rte Postmile	Location Project Description Project Support Expenditures	EA (PPNO) Program (Prog Year) Prog Amount	Budget Year Item # Program Codes	State Federal Total Amount
2 \$3,688,000 Department of Transportation Santa Barbara 05S-SB-135 13.7/17.8	In Santa Maria from north of Betteravia Road to Route 101/135 Separation. Rehabilitate Roadway. (The City of Santa Maria is contributing \$137,500 in local funds to this project.) Support Expenditures to Date: \$616,651	469801 (4698) SHOPP/01-02 \$0 \$0 \$0 \$2,846,000	2000-01 301-0042 301-0890 20.20.201.120	\$423,000 \$3,265,000 \$3,688,000



PROJECT DESCRIPTION

The project is in Santa Barbara County, in Santa Maria, from 0.1 mile north of Betteravia Road to the Route 101/135 Separation structure. The project will remove and replace Asphalt Concrete (AC), upgrade electrical items at signalized intersections, improve drainage features and make sidewalk improvements by upgrading curb ramps to comply with the Americans With Disabilities Act (ADA).

FUNDING STATUS

The project is programmed in the 2000 SHOPP for \$2,846,000 for construction in the 2000/01 Fiscal Year. The City of Santa Maria is contributing \$137,500 to the project to install underground street lighting conduit and emergency vehicle detection cable that exceed Department standards. This request for \$3,688,000 is an increase of 30% over the programmed amount for this project.

BACKGROUND

This section of Route 135 varies from a 6-lane expressway to a 4-lane expressway and traverses through downtown Santa Maria. The current roadway is in an advanced state of deterioration and the project will remove the top layer of AC and replace it with a new AC riding surface.

REASON FOR INCREASE

The Project Scope Summary Report (PSSR) used for programming assumed that the strength and integrity of the existing AC pavement could be restored by removing and replacing the top 60 millimeters of pavement. During the design phase of the project, a field review concluded further deterioration had occurred and the depth of removal and replacement of the pavement was modified from 60 millimeters to 75 millimeters. An additional \$337,000 is needed to increase the removal and replacement depths of AC pavement.

The field review also revealed the need for additional curb ramps, new detector loops and additional electrical work to maintain the safe operation of the facility. The field review identified 10 additional substandard ramps and the project now retrofits or replaces 51 curb ramps to meet ADA requirements. Construction of the curb ramps will impact existing traffic signal poles, city street light poles and electrical facilities. The cost for an additional 10 curb ramps and relocation of existing utilities is estimated at approximately \$455,000.

New drainage construction and replacement of deteriorated existing drainage systems were incorporated into the project to address recurring street flooding. An additional \$50,000 is required for the additional drainage features.

FUNDING OPTIONS

OPTION A: Approve this request as presented above for \$3,688,000 to allow this project to be advertised.

OPTION B: Deny this request and direct the Department to redesign the project to bring the cost within the programmed amount.

The Department considered this option. The project as submitted provides the best solution for this section of highway. The additional pavement work, drainage work, curb ramp upgrades and electrical improvements are needed to maintain the safe operation of the facility.

RECOMMENDED OPTION

The Department recommends that this request for \$3,688,000, as presented in OPTION A above, be approved to allow this project to be advertised.

Project # Allocation Amount Recipient County Dist-Co-Rte Postmile	Location Project Description Project Support Expenditures	EA (PPNO) Program (Prog Year) Prog Amount	Budget Year Item # Program Codes	State Federal Total Amount
3 \$9,372,000 Department of Transportation Fresno 06N-Fre-99 R3.7/R31.4	In Fresno at various locations. Install median barrier. Support Expenditures to Date: \$324,779	411801 06-1535 SHOPP/ 01-02 \$0 \$0 \$0 \$2,810,000	2000-01 301-0042 301-0890 20.20.201.010	- \$9,372,000 \$9,372,000



PROJECT DESCRIPTION

The project is in Fresno County, in and near the City of Fresno, at various locations. The project will construct median barrier at various locations and modify existing drainage facilities.

FUNDING STATUS

The project is programmed in the 2000 SHOPP for \$2,810,000 for construction in the 2001/02 Fiscal Year. This request for \$9,372,000 is an increase of 233% over the programmed amount for this project.

BACKGROUND

Location 1 is just south of Selma where Route 99 is a rural 4-lane freeway. This section has a median width of 14.0 meters, outside shoulder widths of 2.4 meters and inside shoulder widths of 0.6 meters. Location 2 is near Fowler and Malaga where Route 99 is a 6-lane urban freeway. This section of freeway has the same median and shoulder configuration as Location 1. Location 3 is north of Fresno near Herndon and Route 99 is a 4-lane urban freeway with a median width of 18.2 meters, outside shoulder widths of 3.0 meters and inside shoulder widths of 0.6 meters. There are mature oleanders planted within the existing median at all three locations.

REASON FOR INCREASE

The Project Study Report (PSR) for this project was approved in September 1998. The PSR proposed that all of the oleanders be removed and that a metal thrie-beam median barrier be constructed at all three locations. There have been numerous cross median accidents at the three locations and an improved median barrier is warranted. However, the local community strongly opposed removal of the oleanders. Based on community concerns for improving both the safety and the appearance of the transportation facility, the Department has revised the scope to use double-runs of concrete median barrier at Locations 1 and 2, to use double-runs of thrie-beam barrier at Location 3, and to leave the oleanders in place at all three locations. An additional \$6,562,000 is needed to construct the revised design.

FUNDING OPTIONS

- OPTION A: Approve this request as presented above for \$9,372,000 to allow this project to be advertised.
- OPTION B: Deny this request and direct the Department to redesign the project to bring the cost within the programmed amount.

The Department considered this option. The revised design best meets the criteria for median barrier and safety improvements while responding to community concerns that the mature oleanders remain in place.

RECOMMENDED OPTION

The Department recommends that this request for \$9,372,000, as presented in OPTION A above, be approved to allow this project to be advertised.

Project # Allocation Amount Recipient County Dist-Co-Rte Postmile	Location Project Description Project Support Expenditures	EA (PPNO) Program (Prog Year) Prog Amount	Budget Year Item # Program Codes	State Federal Total Amount
4 \$4,027,000 Department of Transportation Los Angeles 07S-LA-L5443	In Monrovia on Huntington Drive. Alterations to Foothill Maintenance Station. Support Expenditures to Date: \$1,443,947	115651 07-0761L SHOPP/ 00-01 \$926,000 \$0 \$0 \$3,139,000	2000-01 301-0042 301-0890 20.20.201.352	\$4,027,000 - \$4,027,000



PROJECT DESCRIPTION

The project is in Los Angeles County, in Monrovia, on Huntington Drive at the Foothill Maintenance Station. The project will replace the existing Foothill Maintenance Station at the existing location with a larger facility and renovate the existing material storage areas, equipment bays and truck bays.

FUNDING STATUS

The project is programmed in the 2000 SHOPP for \$3,139,000 for construction in the 2000/01 Fiscal Year. This request for \$4,027,000 is an increase of 28% over the programmed amount for this project.

BACKGROUND

The project will replace the existing building facilities with a larger facility to accommodate increased staffing levels and work loads at the maintenance station. Additional renovations will be made to increase floor area for material storage, equipment bays and truck bays. Currently, the maintenance station is staffed with 50 workers, 20 of which are stationed in temporary trailer office facilities.

REASON FOR INCREASE

A court order to modify the design of the maintenance station and new Storm Water Pollution Prevention Plan (SWPPP) requirements have required changes to the original design of the facility. A canopy covered fuel/wash facility that contains a wash rack, mud rinse, gas/oil log house and above ground fuel tanks with two vehicle pads will now be constructed for compliance with a court order. The court order mandated that the Department control runoff from cleaning and oil facilities that enter storm water systems in Los Angeles County. The existing fuel tanks with new dispensers, a three-cell clarifier, pressure washer, truck loading facility, an air compressor and a new sewage lift station were also relocated to comply with the court order. The addition of the new canopy covered facility and the relocation of existing facilities has resulted in a cost increase of approximately \$710,000.

The SWPPP regulations also stipulate that all storage materials be covered. As a result, a tilt-up concrete Bulk Storage Building was added to the facility. This has resulted in a cost increase of approximately \$138,000.

The maintenance facility is located in a highly sensitive commercial area. The City of Monrovia requested that the Department provide additional landscaping to adhere to the aesthetic nature of the surrounding businesses. An additional \$40,000 is required to provide the additional landscaping.

FUNDING OPTIONS

OPTION A: Approve this request as presented above for \$4,027,000 to allow this project to be advertised.

OPTION B: Deny this request and direct the Department to redesign the project to bring the cost within the programmed amount.

The Department considered this option. A court order and storm water handling requirements have required the Department to modify the initial design of the maintenance facility. The current station is outdated, overcrowded and in need of new facilities.

RECOMMENDED OPTION

The Department recommends that this request for \$4,027,000, as presented in OPTION A above, be approved to allow this project to be advertised.