

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

PROGRAM AMENDMENTS  
Traffic Congestion Relief Applications  
Resolution: TAA-02-11  
Action Item

Prepared By:  
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CTC Meeting: October 3, 2002  
Reference No: 2.1c.(4)

*Original Signed By:*  
\_\_\_\_\_  
ROBERT L. GARCIA  
Chief Financial Officer  
October 1, 2002

**TRAFFIC CONGESTION RELIEF (TCR) PROGRAM**  
**APPLICATION AMENDMENT APPROVAL**

**RESOLUTION TAA-02-11**  
**Amending Resolution TA-00-02**

At the October 3, 2002 California Transportation Commission (Commission) meeting, the Commission will be asked to consider the following Traffic Congestion Relief Program application amendment for the California Department of Transportation (Department). The Department recommends the Commission approve the requested action. A fact sheet describing each sub-project is attached.

- Project #82 – Route 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County. Amend project description for Project #82 to extend current northern project limit of Del Mar Heights Road with new northern project limits at Lomas Santa Fe Drive. Project #82 will be delivered and be replaced with two subprojects. Original TCR application approved under Resolution TA-00-02. The California Department of Transportation (Department) is requesting this amendment.
  - Designate previously approved Project #82 as Project #82.1 – Route 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County. Amend application to designate this as Sub-project #82.1 – Reconstruction of the I-5/805 Interchange, and update project schedule and financial plan.
  - Project #82.2 –Lomas Sante Fe Auxiliary Lanes in San Diego County. Amend application to designate this as Sub-project #82.2 – Construction of northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, and approve project schedule and financial plan.

**TCR Program – Application Amendment Project #82.1**

**San Diego** Routes 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County.

(\$ X 1,000)

<i>Estimated Project Cost:</i>	<b>\$164,607</b>	<i>TCRP Funds covered by application:</i>	<b>(\$6,500)</b>
	<del>\$189,323</del>		
<i>TCRP Funds – Sub-Project:</i>	\$18,500	<i>Phases(s) covered by application:</i>	All
<i>TCRP Funds for Project #82</i>	\$25,000		
<i>Lead Agency:</i>	Caltrans	<i>Implementing Agency:</i>	Same

*TCRP allocation requested concurrently with application:* **(\$6,500)** for Phase(s): 4  
*Advanced requested:* N/A for Phase(s): N/A

**Project Summary:** The overall project will reduce current traffic congestion and accommodate future traffic volumes. The California Department of Transportation, the project applicant agency, proposes that the northern project limit shift from Del Mar Heights Road to Lomas Santa Fe Drive and that the project be segmented into two sub-projects for construction purposes.

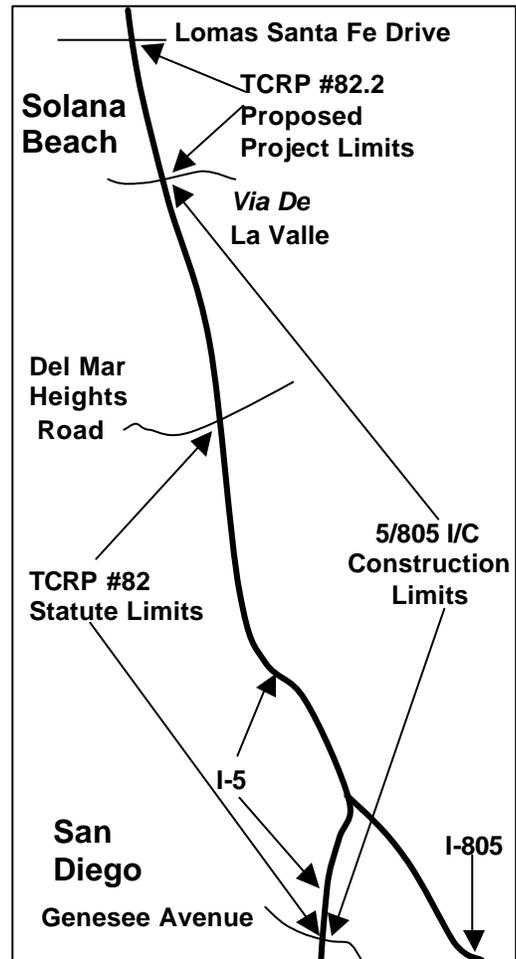
**Summary of Action:** This amendment revises the project description for Project #82 to extend the current northern project limit of Del Mar Heights Road with new northern project limit at Lomas Santa Fe Drive, approximately 3.2 miles. Project #82 will be implemented as sub-projects #82.1 and #82.2, described below. The amendment also updates the funding plan to capture project savings resulting from the award of construction contract for the I-5/805 interchange project. The savings will be applied to the construction of northbound and southbound auxiliary lanes on I-5 from Via De La Valle to Lomas Santa Fe Drive. The amendment also extends the end of Phase 4 for 82.1 from December 2004 to January 2007.

- **Designate previously approved Project #82 with Sub-Project #82.1: Reconstruction of the I-5/805 Interchange. (Total Project = \$164,607,000, including \$18,500,000 TCRP and \$146,107,000 from other sources).**
- Sub-Project #82.2: Construction of northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, including soundwalls and bridge widening. (Total Project = \$8,650,000, including \$6,500,000 TCRP and \$2,450,000 from other sources).

Sub-project #82.1 will widen portions of Interstates 5 and 805, construct highway bypass lanes contiguous with Interstate 5 and separated from the main lane traffic, and construct new interchange at Carmel Mountain Road, overcrossings and direct connectors, retaining wall systems, ramps, sound barriers, and improvements to portions of local streets.

The Department, as designated implementing agency, awarded the construction contract with \$6,500,000 remaining of TCRP funds. Concurrent programming action proposes to apply these savings to the construction of the I-5 auxiliary lane from Via De La Valle to Lomas Santa Fe Drive (TCRP #82.2).

**Reason for Change:** Bid amounts for the project were significantly lower than anticipated. In awarding the construction contract, San Diego Association of Governments and the Department looked for ways to utilize the savings within the I-5/805 Corridor. Two auxiliary lane projects have been identified to help reduce congestion. Both projects are ongoing, though only one is fully funded. These two projects, when combined with the I-5/805 project, will serve to reduce congestion and improve the overall operating performance within the I-5 corridor.



Currently programmed in the 2002 STIP for \$6,100,000 is a northbound auxiliary lane between Del Mar Heights Road and Via De La Valle. This lane would isolate weaving to the right side of the freeway and the design capacity of the freeway should be achieved. Construction is anticipated to be completed by December 2004, prior to the completion of the I-5/805 interchange. The second auxiliary lane is the proposed TCRP Project #82.2 being considered as a concurrent programming action.

The original TCRP Project Application for Project #82 (now designated 82.1) had a construction time line of 3 years. Detailed geological information obtained after the submittal of the application revealed that most of the project was located in liquidifiable soils. This soils information changed the scope of the foundation treatment for the retaining walls and bridges from a typical spread footing to a Stone Column Foundation System. The installation of the Stone Columns is done in a very slow and delicate process in order to avoid vibrations to the adjacent high-tech business. In addition, interchange at I-5 and Carmel Mountain Road was redesigned to accommodate an additional lane in each direction. These changes to the project increased the construction schedule. Three independent analyses showed that it would take 5 years to build the project. There is an incentive clause in the specifications to have north bound lanes open to traffic within 3½ years. The southbound lanes will open to traffic at the end of the construction contract.

**Cost and Schedule - Project 82.1** (\$ x 1,000)

<i>Phase</i>	<i>Scope</i>	<i>Start</i>	<i>End</i>	<i>Cost</i>
1	Conduct Studies, Environmental Review and Obtain Permits	3/84	3/91	\$3,000
2	Prepare Project Plans, Specifications, and Estimate	5/94	1/02	<b>\$9,748</b> <del>\$10,613</del>
3	Acquire Necessary Right of Way and Utility Relocations	5/94	<b>8/01</b> <del>5/01</del>	<b>\$17,660</b> <del>\$18,960</del>
4	Construct contiguous freeway and Carmel Mountain Road Interchange	1/02	<b>1/07</b> <del>12/04</del>	<b>\$134,199</b> <del>\$156,750</del>
<b>Total:</b>				<b>\$164,607</b> <del>\$189,323</del>

**Funding Plan - Project 82.1** (\$ x 1,000)

<i>Source</i>	<i>Type</i>		<i>Phase 1</i>	<i>Phase 2</i>	<i>Phase 3</i>	<i>Phase 4</i>	<i>Total</i>
TCRP	State	Committed				<b>\$18,500</b>	<b>\$18,500</b>
		Proposed				<del>\$25,000</del>	<del>\$25,000</del>
STIP-IIP	State	Committed				<b>\$20,018</b>	<b>\$20,018</b>
		Proposed				<del>\$21,130</del>	<del>\$21,130</del>
Co-op Agreement	Local	Committed		<b>0</b>	<b>0</b>	<b>\$7,199</b>	<b>\$7,199</b>
		Proposed		<del>\$865</del>	<del>\$1,300</del>	<del>\$12,440</del>	<del>\$14,605</del>
RSTP	Federal	Committed				\$5,082	\$5,082
		Proposed					
STIP-RIP	State	Committed		\$7,892	\$3,050	<b>\$53,200</b>	<b>\$64,142</b>
		Proposed				<del>\$58,576</del>	<del>\$69,518</del>
STIP-RIP Grandfather	State	Committed	\$3,000	\$1,856	\$14,610	<b>\$30,200</b>	<b>\$49,666</b>
		Proposed				<del>\$34,522</del>	<del>\$53,988</del>
<b>Totals:</b>		Committed	\$3,000	<b>\$9,748</b>	<b>\$17,660</b>	<b>\$134,199</b>	<b>\$164,607</b>
		Proposed		<del>\$10,613</del>	<del>\$18,960</del>	<del>\$156,750</del>	<del>\$189,323</del>
<b>Totals:</b>			\$3,000	<b>\$9,748</b>	<b>\$17,660</b>	<b>\$134,199</b>	<b>\$164,607</b>
				<del>\$10,613</del>	<del>\$18,960</del>	<del>\$156,750</del>	<del>\$189,323</del>

**Prior TCRP Action:** Original application was approved on November 1, 2000 (TA-00-02) for \$25,000,000 for Phase 4.

**Status of Conditions:** No conditions set.

**Discussion/Issues:** No Issues. Project is fully funded. A prior allocation of \$25,000,000 was made to Project #82. With this amendment, \$6,500,000 is unprogrammed and the will be de-allocated by the Department from the project.

Recommend Approval.

**TCR Program – Application Amendment Project #82.2**

**San Diego** Routes 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County.

(\$ X 1,000)

<i>Estimated Project Cost:</i>	\$8,950	<i>TCRP Funds covered by application:</i>	<b>\$6,500</b>
<i>TCRP Funds – Sub-Project:</i>	\$6,500	<i>Phases(s) covered by application:</i>	All
<i>TCRP Funds for Project #82:</i>	\$25,000		
<i>Lead Agency:</i>	Caltrans	<i>Implementing Agency:</i>	Same

<i>TCRP allocation requested concurrently with application:</i>	<b>\$0</b>	<i>for Phase(s):</i>	N/A
<i>Advance requested:</i>	\$0	<i>for Phase(s):</i>	N/A

**Project Summary:** The overall project will reduce current traffic congestion and accommodate future traffic volumes. The California Department of Transportation, the project applicant agency, proposes that the northern project limit shift from Del Mar Heights Road to Loma Santa Fe Drive and that the project be segmented into two sub-projects for construction purposes.

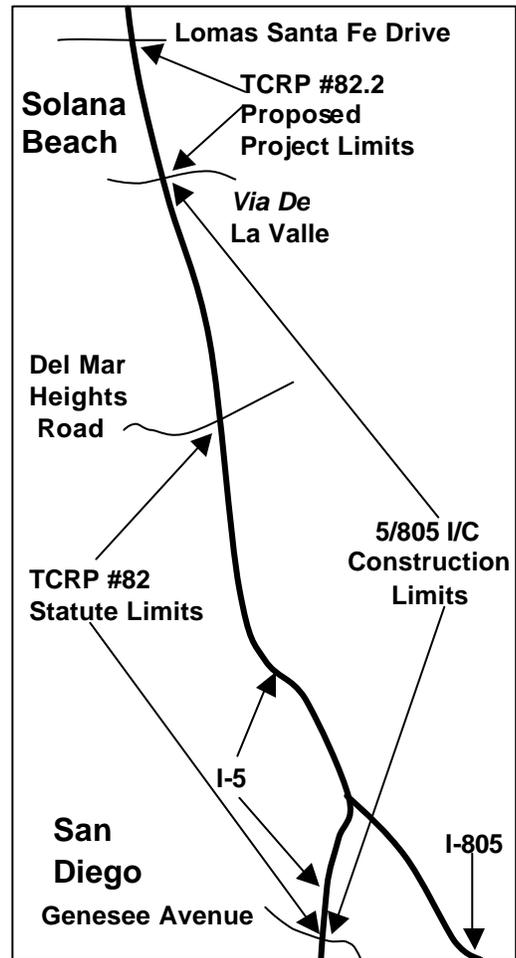
**Summary of Action:** This amendment revises the project description for Project #82 to extend the current northern project limit of Del Mar Heights Road with new northern project limit at Lomas Santa Fe Drive, approximately 3.2 miles. Project #82 will be implemented as sub-projects #82.1 and #82.2, described below. The amendment also updates the funding plan to capture project savings resulting from the award of construction contract for the I-5/805 interchange project. The savings will be applied to the construction of northbound and southbound auxiliary lanes on I-5 from Via De La Valle to Lomas Santa Fe Drive. The amendment also extends the end of Phase 4 for 82.1 from December 2004 to January 2007.

- Designate previously approved Project #82 with Sub-Project #82.1: Reconstruction of the I-5/805 Interchange. (Total Project = \$164,607,000, including \$18,500,000 TCRP and \$146,107,000 from other sources).
- **Sub-Project #82.2: Construction of northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, including soundwalls and bridge widening. (Total Project = \$8,650,000, including \$6,500,000 TCRP and \$2,450,000 from other sources).**

The proposed auxiliary lane improvements funded by Sub-project #82.2 will reduce congestion by adding capacity on this segment of the freeway and isolating traffic weaving to the right side of the freeway. Freeway speeds are expected to increase to 35 mph (60 kph) or greater once the proposed improvements are implemented. Construction of the proposed auxiliary lane is anticipated to begin in 2004 and will complete by 2005. This project is scheduled to be open to traffic and to provide immediate congestion relief while the I-5/805 project (TCRP #82.1) is still in construction.

**Reason for Change:** Currently, this segment of northbound I-5 experiences recurrent congestion during the afternoon peak period (three to four hours in duration). Congestion is created by the large volume of traffic merging from Via De La Valle with the existing heavy traffic from I-5/805 Merge. Additionally, the northbound HOV lane terminates just north of Via De La Valle, where the freeway reduces from five lanes to four, resulting in further congestion. Traffic speeds during this period range from 10 to 35 mph (20-60 kph).

The improvements on Interstate 5 from the junction of Interstate 805 to Via De La Valle will reduce current traffic congestion and will accommodate future traffic volumes. However, once the freeway improvements are open to



traffic, the area of congestion (traffic bottleneck) will be shifted from the Carmel Valley to the area north of Del Mar Heights Road. It is here that a bottleneck will still remain within the project limits, and thus reduce the efficiency of the corridor.

Currently programmed in the 2002 STIP for \$6,100,000 is a northbound auxiliary lane between Del Mar Heights Road and Via De La Valle, approximately 2.1 miles. It is anticipated that construction will be completed by December 2004, prior to the completion of the I-5/805 interchange.

The northbound and southbound auxiliary lane between Via De La Valle and Lomas Santa Fe Road is the proposed TCRP Project #82.2 being considered in this amendment. These auxiliary lanes extend the operational improvements an additional approximately 1.1 mile beyond the limits currently funded.

**Cost and Schedule** (\$ x 1,000)

<i>Phase</i>	<i>Scope</i>	<i>Start</i>	<i>End</i>	<i>Cost</i>
1	Environmental Reevaluation, Amend Coastal Permit	6/01	5/03	\$310
2	PS&E	6/03	5/04	\$430
3	Right of Way	4/04	6/06	\$10
4	Construction	8/04	12/05	\$8,200
<b>Total:</b>				\$8,950

**Funding Plan** (\$ x 1,000)

<i>Source</i>	<i>Type</i>		<i>Phase 1</i>	<i>Phase 2</i>	<i>Phase 3</i>	<i>Phase 4</i>	<i>Total</i>
TCRP	State	Committed				\$6,500	\$6,500
		Proposed					
RSTP	Federal	Committed	\$310	\$430	\$10		\$750
		Proposed					
STIP, Region, Local	TBD	Committed					
		Proposed				\$1,700	\$1,700
<b>Totals:</b>		Committed	\$310	\$430	\$10	\$6,500	\$7,250
		Proposed				\$1,700	\$1,700
		<b>Totals:</b>	\$310	\$430	\$10	\$8,200	\$8,950

**Prior TCRP Action:** Original application for Project #82 was approved on November 1, 2000 (TA-00-02) for \$25,000,000 for Phase 4.

**Status of Conditions:** None

**Discussion/Issues:** The CTC originally programmed \$25,000,000 for TCRP #82, the I-5/805 Interchange Reconstruction (proposed under a concurrent amendment to be re-designated as TCRP #82.1). The project was awarded for construction with STIP, TCRP, and local funds with \$6,500,000 of TCRP remaining. The Department will de-allocate \$6,500,000 in TCR Program funding previously allocated to TCRP #82. The Department and the San Diego Association of Governments (SANDAG) have requested that the TCRP funds be reprogrammed to the auxiliary lane project.

Funding in the amount of \$1,700,000 remains to be identified. SANDAG has committed to funding the shortfall with local or regionally controlled funds. Anticipated sources include, but not limited to, STIP-RIP, Region, and local funds.

Recommend Approval with the following condition:

- The allocation of capital funds is contingent upon the project being included in the SANDAG's Regional Transportation Plan.
- The allocation of funds for Phase 4 (construction) is contingent upon receipt of a plan identifying fully funded, usable segments.

**CALIFORNIA TRANSPORTATION COMMISSION**  
**Approval of Traffic Congestion Relief Program**  
**Project Application Amendment**

**RESOLUTION TAA-02-11**  
**Amending Resolution TA-00-02**

- 1.1 WHEREAS the Traffic Congestion Relief Act of 2000 (herein after referred to as “statute”), which was established by Chapters 91 (AB 2928) and 656 (SB 1662) of the Statutes of 2000, establishes the Traffic Congestion Relief Program, providing \$5.39 billion for projects throughout the State of California to reduce traffic congestion, provide for safe and efficient movement of goods, and provide system connectivity; and
- 1.2 WHEREAS in accordance with Government Code Section 14556.11 the California Transportation Commission (Commission) has adopted guidelines, in consultation with the Department of Transportation (Department) and regional agencies, to implement the Traffic Congestion Relief Program (TCRP); and
- 1.3 WHEREAS the statute and guidelines require applicants to specify full and complete project applications, including scope, cost and schedule, financial plans and funding sources; and
- 1.4 WHEREAS on November 1, 2000, the Commission passed Resolution TA-00-02 approving TCRP Project #82 – Route 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County, for \$25,000,000 to the Department for Phase 4 – Construction (CON); and
- 1.5 WHEREAS the Department, as designated implementing agency, awarded the construction contract with \$6,500,000 remaining of TCRP funds, and
- 1.6 WHEREAS the Department and San Diego Association of Governments (SANDAG) have determined that for operational improvements and congestion relief for the I-5/805 Interchange that extending the limits of the original scope of work to Lomas Santa Fe Drive provides transportation benefits and congestion relief consistent with the intent of TCRP Project #82 – Route 5/805 interchange improvements; and
- 1.7 WHEREAS the Department has proposed that the construction activities originally approved under TCRP Project #82 be designated as Sub-project #82.1 – Reconstruction of the I-5/805 Interchange, and
- 1.8 WHEREAS, the Department has proposed a new Sub-project #82.2 – Construction of the northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive which supports the improvements to the I-5/805 interchange; and

- 1.9 WHEREAS the Department has proposed that \$6,500,000 in TCR savings previously approved and allocated to TCRP Project #82 be approved for TCRP Sub-project #82.2 – Construction of the northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive; and
- 1.10 WHEREAS the Department has submitted amended applications for TCRP Sub-project #82.1 – Reconstruction of the I-5/805 Interchange, and for TCRP Sub-project #82.2 – Construction of the northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, to include the extended scope of work to the project and to reflect revised project schedules and funding plans.
- 2.1 NOW THEREFORE BE IT RESOLVED the Commission does hereby approve the following TCRP project application amendment as submitted, with subsequent clarifications and revisions:
- Project #82 – Route 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County. Amend Project # 82 description to extend the current northern project limit of Del Mar Heights Road with new northern project limit at Lomas Santa Fe Drive, and to replace Project #82 with two sub-projects as follows. Original TCR application approved under Resolution TA-00-02. The Department is requesting this amendment.
    - Designate previously approved Project #82 as Project #82.1 – Route 5/805; reconstruct and widen freeway interchange, Genesee Avenue to Del Mar Heights Road in San Diego County. Amend application to designate this as Sub-project #82.1 – Reconstruction of the I-5/805 Interchange, and update project schedule and financial plan to unprogram \$6,500,000 in TCR Program funding for use on Project #82.2.
    - Project #82.2 –Lomas Santa Fe Auxiliary Lanes in San Diego County. Amend application to designate this as Sub-project #82.2 – Construction of northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, and reprogram \$6,500,000 of TCR Program funds previously approved under Project #82;
- and
- 2.2 BE IT FURTHER RESOLVED that for TCRP Sub-project #82.2 – Construction of the northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, an allocation of capital funds is contingent upon the project being included in the SANDAG's Regional Transportation Plan; and
- 2.3 BE IT FURTHER RESOLVED that for TCRP Sub-project #82.2 – Construction of the northbound and southbound auxiliary lanes along Interstate 5 from Via De La Valle to Lomas Santa Fe Drive, allocation of funds for Phase 4 – CON is contingent upon receipt of a plan identifying fully funded, usable segments; and
- 2.4 BE IT FURTHER RESOLVED that all applicant agencies shall provide the Commission and the Department with a progress report on April 1<sup>st</sup> and October 1<sup>st</sup> of each year on actual expenditures and status of work, until the projects have been completed; and

- 2.5 BE IT FURTHER RESOLVED that this TCRP project application approval by the Commission reserves the State funding for the projects as specified by the statute, and allows the applicant agencies to incur costs in accordance with the approved project application, statute and guidelines; and
- 2.6 BE IT FURTHER RESOLVED that CTC Resolution TA-00-02 is hereby amended.