



Subtotal Contract Items (11)	
Agency/State Furnished Materials (12)	
Force Account (Day Labor) – striping, etc.	
<i>Subtotal</i>	
Contingencies (including supplemental work) (13)	
<i>Subtotal + Contingencies = Contract Total</i>	
Construction Engineering (14)	
<b><i>Contract Total + Construction Engineering = TOTAL COST</i></b>	

DETAIL ESTIMATE SUMMARY (15)

	Improvement Type Code	Total Cost	Participating Cost	Federal Funds	Other Funds
Preliminary Engineering					
Right of Way					
Construction					
Force Account					
Construction Engineering					
<b>TOTAL COST</b>					

Contract Items Participating (16)		
Contract Items Nonparticipating		
<b>TOTAL</b>		<b>100%</b>

\*Reimbursement Ratio (17): \_\_\_\_\_

Program Code(s) (18): \_\_\_\_\_

Name/Date Prepared: \_\_\_\_\_

\*Reimbursement ratios may vary within each phase of work such as Emergency Relief PE for Emergency Repair (100%) and Preliminary Engineering for restoration (88.53%). In these cases, the detailed estimate shall include two separate lines of Preliminary Engineering.

**Distribution:** All Projects (1) Original & 1 copy to Caltrans DLAE  
(2) Copy to Local Agency Project File

**DETAIL ESTIMATE INSTRUCTIONS**

1. File
  - Fill in project identification example: Dist-County-Rte-City: 07-LA-0-LA
  - Federal-aid Project #: STPL-5006(023)
  - Federal-aid Program: Surface Transportation Program, population > 200,000
2. Project Location
  - Fairly detailed (list intersections or project limits, etc.) should agree with Authorization to Proceed
3. Construction Authorization Date
  - FHWA/Caltrans authorization date on the Authorization to Proceed
4. Type
  - General type of work (signalization, widening, construct four-lane divided street, etc.) Chapter 3, "Project Authorization" Exhibit 3-F (Item 38)
5. P.E. Authorization
  - FHWA/Caltrans authorization date on the Authorization to Proceed
6. Right of Way Authorization
  - FHWA/Caltrans authorization date on the Authorization to Proceed
7. Right of Way Costs
  - Total for project
8. Utility Authorization
  - FHWA/Caltrans authorization date on the Authorization to Proceed
9. Improvement Type Codes:

01 New Construction Roadway	21 Safety	42 Training
03 Reconstruction, Added Capacity	22 Rail/Highway Crossing	43 Utilities
04 Reconstruction, No Added Capacity	23 Transit	44 Other
05 4R Maintenance Resurfacing	24 Traffic Management/Eng. HOV	45 Debt Service
06 4R Maintenance-Restoration & Rehab	26 Ferry Boats	47 Bridge Preventative Maintenance
07 4R Maintenance-Relocation	28 Facilities for Pedestrian & Bicycle*	48 Bridge Protection
08 Bridge, New Construction	29 Acquisition of Scenic Easements*	49 Bridge Inspection and Related Training
10 Bridge Replacement, Added Capacity**	30 Scenic or Historic Highway Program*	50 New Tunnel
11 Bridge Replacement, No Added Capacity**	31 Landscaping & Scenic Beautification*	51 Tunnel Replacement
13 Bridge Rehab, Added Capacity**	32 Historic Preservation*	52 Tunnel Rehabilitation
14 Bridge Rehab, No Added Capacity**	33 Rehab & Operation of Historic Facility*	53 Tunnel Preservation
15 Preliminary Engineering*	36 Archeological Plan & Research*	54 Tunnel Protection
16 Right of Way	37 Mitigation of Water Pollution*	55 Tunnel Inspection
17 Construction Engineering	38 Safety & Education of Ped. Bike*	56 Other Asset Inspection
18 Planning	39 Establishment of Transp. Museum*	57 Safety – Non Infrastructure
20 Environmental Only	40 Special Bridge*	59 Bridge Resurfacing

\* Transportation Enhancement Projects must use these Types of Improvements.

\*\* Projects using these Improvement Types must report a National Bridge Inventory Structure Number.

10. Length
  - Length in miles (to nearest 0.1) is required for roadway codes and for bridge codes
  - Measured along center line
  - Not required for “Miscellaneous” codes
11. Item Estimate
  - List each bid item per sample format
  - Separate by “improvement type code” as noted above in item # 9 (should be same as preliminary estimate)
  - Place nonparticipation work directly following participating work of similar codes
  - Separate as “not part of Federal-aid Project” that work which is beyond project limits of federal participation but is being done under the same contract
12. State/Agency Furnished Materials
  - List each item and cost of all items or expenses that are to be furnished by other than contractor
  - Should agree with items listed in Special Provisions and Plans
13. Contingencies
  - Generally 5% to 10%
  - FHWA does not want supplemental work segregated from contingencies
  - If large amount of supplemental work, 10% may be exceeded, but contingencies should always be at least 5%
  - Separate for each code, etc.
14. Construction Engineering
  - Separate for each code, etc.
  - Indicate staking, construction trailer, etc., if claimed for reimbursement
15. Detail Estimate Summary
  - Summary generally broken down only between P.E., Construction, and Right of Way
  - Improvement Type Codes and nonparticipating involved, must be outlined in summary
  - Calculate P.E., Construction (by code) and Right of way separately at appropriate reimbursement ratio
  - Federal funds share of phase cannot be more than the fund reimbursement ratio times the participating costs. (Always round down to the nearest dollar).
16. Federal Participation Calculation
  - Use contract items only
17. Reimbursement Ratio (Federal) (See list in Chapter 3, “Project Authorization”)
  - Use current ratio
  - Project ratio if under funded
18. Program Code(s) (Federal) NOTE: Formerly known as Appropriation Code(s)
  - Program code(s) applicable to the program(s) involved
19. Revised Detail Estimate or Modification
  - Required when federal funds are to be changed from what was previously under agreement
  - Changes can be accomplished by updating item costs, supplemental work, contingencies, etc.
  - Change Title to “Revised Detail Estimate”.
  - Must remain consistent with FTIP/FSTIP rules
  - Wording to be changed in Item 2 by adding “To be used as basis for modification of agreement for federal-aid project”.
  - Remaining instructions are unchanged