

**DETAIL ESTIMATE**

File: \_\_\_\_\_  
 Federal Project No.: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Date: \_\_\_\_\_

To be used as a basis of agreement for Federal-aid Project #(1) \_\_\_\_\_  
 in the City/County of(2) \_\_\_\_\_

Construction Authorization Date:(3) \_\_\_\_\_, 200 \_\_\_\_\_

Type: (4) \_\_\_\_\_

Preliminary Engineering (Authorization Date:(5) \_\_\_\_\_, 200 \_\_\_\_\_

Right of way (Acquisition Authorization Date:(6) \_\_\_\_\_, 200 \_\_\_\_\_

Acquisition (No. Parcels \_\_\_\_\_) \$ \_\_\_\_\_

RAP

(number homes \_\_\_\_\_) \$ \_\_\_\_\_

(number businesses \_\_\_\_\_) \$ \_\_\_\_\_

LRH (Parcel No. Name \_\_\_\_\_) \$ \_\_\_\_\_

TOTAL COST \$(7) \_\_\_\_\_

Utilities (Authorization Date:(8) \_\_\_\_\_, 200 \_\_\_\_\_

Total Cost \$ \_\_\_\_\_

Improvement Type Code: (9) \_\_\_\_\_

Length (10) \_\_\_\_\_ (miles)

**Item Estimate (11)**

Item No.	Item Description	Unit	Quantity	Unit Price	Amount
1	Item Description	Unit	Quantity	Unit Price	\$
2	Item Description	Unit	Quantity	Unit Price	\$
3	Item Description	Unit	Quantity	Unit Price	\$
"	"	"	"	"	"
"	"	"	"	"	"

Subtotal Contract Items \$ \_\_\_\_\_

Agency/State Furnished Materials \$(12) \_\_\_\_\_

Force Account (Day Labor) - striping, etc. \$ \_\_\_\_\_

Total \$ \_\_\_\_\_

Contingencies (Including supplemental work) \$(13) \_\_\_\_\_

Contract Total \$ \_\_\_\_\_

Construction Engineering \$(14) \_\_\_\_\_

**TOTAL COST** \$ \_\_\_\_\_

Distribution All Projects: (1) Original + 4 copies-Caltrans District Local Assistance Engineer. (2) Copy-Local Agency Project File

**DETAIL ESTIMATE  
SUMMARY (15)**

	<b>Total Cost</b>	<b>Participating Cost</b>	<b>Federal Funds</b>	<b>Other Funds</b>
Preliminary Engineering	\$ _____	\$ _____	\$ _____	\$ _____
Right of way	\$ _____	\$ _____	\$ _____	\$ _____
Improvement type				
Construction Code _____	\$ _____	\$ _____	\$ _____	\$ _____
Construction Code _____	\$ _____	\$ _____	\$ _____	\$ _____
Construction Engineering:	\$ _____	\$ _____	\$ _____	\$ _____
Total Cost	\$ _____	\$ _____	\$ _____	\$ _____

Contract Items Participating = \$(16) \_\_\_\_\_ = \_\_\_\_\_ %

Contract Items nonparticipating = \$ \_\_\_\_\_ = \_\_\_\_\_ %

Total = \$ \_\_\_\_\_ = 100.00 %

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

Appropriation 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 PE for restoration (88.53%). In these cases, the detailed estimate shall include two separate lines of preliminary engineering.

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(2) Copy-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 Code
 

01 New Construction Roadway 03 Reconstruction, Added Capacity 04 Reconstruction, No added Capacity 05 4R Maintenance Resurfacing 06 4R Maintenance-Restoration & Rehab 07 4R Maintenance-Relocation 08 Bridge, New Construction 10 Bridge Repl. Added Capacity ** 11 Bridge Repl. No Added Capacity ** 13 Bridge Rehab. Added Capacity ** 14 Bridge Rehab. No Added Capacity ** 15 Preliminary Engineering * 16 Right of Way 17 Construction Engineering * 18 Planning 20 Environmental Only 21 Safety 22 Rail/Highway Crossing	23 Transit 24 Traffic Management/Eng. HOV 26 Ferry Boats 28 Facilities for Pedestrian & Bicycle * 29 Acquisition of Scenic Easements * 30 Scenic or Historic Highway Prog. * 31 Landscaping & Scenic Beautification* 32 Historic Preservation* 33 Rehab & Operation of Historic Facility* 36 Archeological Plan & Research * 37 Mitigation of Water Pollution* 38 Safety & Education of Ped. Bike* 39 Establishment of Transp. Museum* 40 Special Bridge* 42 Training 43 Utilities 44. Other 45Debt Service
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\*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 (see list in Chapter 3, “Project Authorization”)

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