

EXHIBIT 15-M DETAIL ESTIMATE

File: _____
 Federal Project No.: _____
 Project Location: _____
 Date: _____

To be used as a basis of agreement for Federal-aid Project No. (1): _____
 In the City/County of (2): _____
 Construction Authorization Date (3): _____
 Type (4): _____
 Preliminary Engineering (Authorization Date) (5): _____
 Right of Way (Acquisition Authorization Date) (6): _____

Acquisition (No. of Parcels)		\$
RAP (No. of Homes)		\$
RAP (No. of Businesses)		\$
LRH (Parcel No. & Name)		\$
TOTAL COST (7)		\$

Utilities Authorization Date (8): _____
 Total Cost: \$ _____
 Improvement Type Code (9): _____
 Length (miles) (10): _____

ITEM ESTIMATE (11)

Item No.	Item Description	Unit	Quantity	Unit Price	Amount
				\$	\$
				\$	\$
				\$	\$
				\$	\$

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	\$

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		\$	\$	\$	\$
TOTAL COST		\$	\$	\$	\$

Contract Items Participating (16)	\$	%
Contract Items Nonparticipating	\$	%
TOTAL	\$	100%

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

*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