OMB NO. 2125-0033

U.S. Department of Transportation
Federal Highway Administration

STATEMENT OF MATERIALS AND LABOR USED BY CONTRACTORS ON HIGHWAY CONSTRUCTION INVOLVING FEDERAL FUNDS

PART A *To be completed by FHWA or State Highway Personnel (See instructions on reverse)*

STATE*	COUNTY	FEDERAL PROJECT NO.*	URBAN ( ) RURAL ( )*

ITEM	DESCRIPTION		ROADWAY	BRIDGE *(Over 6 meters)*	DATE STARTED*
CONSTRUCTION TYPE CODES					
1	LENGTH OF PROJECT	KILO-METERS			DATE COMPLETED*
2	FINAL* CONSTRUCTION COST	DOL			TOTAL NO. BRIDGES

PART B *To be completed by; contractor - see instructions on reverse (REMARKS Attach a plain sheet of paper)*

3	**LABOR*** TOTAL PROJECT	TOTAL LABOR-HOURS	GROSS EARNINGS

ITEM	DESCRIPTION	UNIT	PROJECT QUANTITY
4	TOTAL COST OF ALL MATERIALS AND SUPPLIES*	DOL.	
5	PETROLEUM PRODUCTS*	LIT.	
6	CEMENT	t.	
7		KG.	
8		t.	
9	AGGREGATES PURCHASED	t.	
10		M^3	
11	BITUMINOUS MATERIAL	LIT.	
12	LUMBER	THSD. BD. M.	
13	REINFORCING STEEL	KG.	
14	STRUCTURAL STEEL	KG.	
15	READY-MIXED CONCRETE	M^3	
16	PREMIXED BITUMINOUS PAVING MATERIALS	t.	
17	AGGREGATES PRODUCED	t.	
18		M^3	
19	MISCELLANEOUS STEEL	KG.	
20	NOISE BARRIERS	LIN. M.	
21	GUARDRAIL	LIN. M.	
22	BRIDGE RAIL	LIN. M.	
23	FINAL CONTRACT AMOUNT FOR SIGNS	DOL.	
24	FINAL CONTRACT AMT. FOR LIGHTING	DOL.	
25	FINAL CONTRACT AMT. FOR TRAFFIC SIGNALS	DOL.	

CULVERT ITEMS

SIZE *(cm.)*	LGTH *(Lin M.)*
26 CORR. STEEL CULVERT	

INSTRUCTIONS FOR PREPARING AND TRANSMITTING FORM FWHA-47M

GENERAL REQUIREMENTS

Form FHWA-47 should be transmitted for each Federal-aid project involving construction performed under contract awarded by competitive bidding that is located on the National Highway System (NHS), except projects for which the total final construction cost of the roadway and bridge is less that $1,000,000 or projects consisting primarily of (1) the installation of protective devices at railroad grade crossings, or (2) highway beautification.

Form FHWA-47 should be transmitted with or, if data is already available, in advance of the Final Report required by Federal-aid Policy Guide Chapter 6 G 6011.11

A separate form should be transmitted for each contract except that data for two or more contracts on the same project may be combined when such contracts are completed at approximately the same time. In case of a combination, the earliest starting date and the latest completion date should be reported. Where a single contract covers more than one project, one form may be prepared for each project or for the entire contract, provided none of the data are duplicated. A Form FHWA-47 should not be prepared for a contract covering only the purchase of material but the quantity of material should be reported when subsequently included in a construction project. In all cases, only the original of Form FHWA-47, typed or clearly lettered, and no carbon or photocopies, should be transmitted to the Washington Office.

If nonparticipating work is included in the contract, all data should be combined with the Federal-aid data in preparing the form. Data for any subcontract must be combined by the State or the division office with the prime contract if not so combined by the prime contractor. It will be the State's responsibility to see that all prime contract and subcontract costs, material, and labor-hours have been reported for each contract, and no duplication of data are involved. Quantities of State-furnished materials should be included with contract quantities, and costs of STATE-furnished materials should be added to Item 2 "Final Construction Cost" and also to Item 4 "Total Cost of All Materials and Supplies." All quantities should be reported to the nearest whole unit and only in the units specified. All costs should be reported to the nearest dollar.

Check urban and rural to indicate whether the major cost is for work within an urban area or in a rural location.

All figures should be verified for reasonableness by State highway department and Federal Highway Administration division office engineers. The total material cost and the total labor-hours and gross earnings should bear reasonable relationships to the final construction cost. Also the quantity of each material reported should be reasonable with respect to the quantities of other materials. For example, if a large quantity of reinforcing steel is reported with no cement or ready-mixed concrete, an error of omission in reporting would be indicated.

Generally, the total cost of materials, supplies, and labor should be substantially less than the final construction cost, as the latter also includes costs of equipment ownership, overhead, and profit which are not required to be reported. If the final construction cost is less or only a few percent more than the total cost of materials, supplies and labor, the indication is that the contractor suffered a loss on the project or that there is an error in reporting. In such case, if it is determined that the figures reported are correct, a statement should be made on a plain sheet of paper marked "Remarks" to the effect that the contractor actually did suffer a loss, (verify with contractor).

PART A – INFORMATION TO BE SUPPLIED BY FEDERAL HIGHWAY ADMINISTRATION OR STATE HIGHWAY PERSONNEL (FEDERAL-AID POLICY GUIDE CH. 6 G 6011.11)

Item 1 – "Length of Project" – Report official roadway mileage and official bridge mileage.
Item 2 – "Final Construction Cost" – Show best estimate of Federal and State costs incurred to date for contract items, extra work performed by contractor, and State-furnished materials.

PART B – INFORMATION TO BE SUPPLIED BY CONTRACTOR IMMEDIATELY UPON COMPLETION OF CONTRACT OR PROJECT

Specific Instructions for the Following Numbered Items:
Item 3 – Report total labor-hours worked and earnings of all contractors' employees on the project, including those on operation and maintenance of equipment.
Item 4 – This should be the total cost, at the jobsite of all construction materials and supplies purchased for and used on the project, including the cost of materials for signing and lighting and the cost of any materials and supplies not specifically listed hereon. Costs of equipment or equipment rental and the cost of operating the equipment, except the costs of fuel and lubricants, should not be included in this item. Small items of equipment such as jackhammers, hand tools, repair parts, tires, etc., are not considered to be supplies. Costs of such items and also overhead costs should not be included. The amount included here for aggregates produced should be only the cost paid by the contractor for the aggregates and should not include the costs of excavating, processing, loading and hauling. Wages and labor-hours for aggregates produced should, of course, be included with Item 3.
Item 5 – Report total number of liters of all gasoline, diesel oil, lubricating oil, and grease for equipment and trucks. For conversion purposes use factor of 3.6 kilograms of grease per 3.8 liters.
Items 6, 7, and 8 – Report quantity of cement used on project. Do not report here the cement included in Item 15.
Items 9 and 10 – Report quantity of aggregates purchased from commercial producers, such as sand, gravel, crushed stone, etc. Do not report here aggregates included in Items 15 and 16. Aggregates produced by the contractor shall be reported as Items 17 and 18.
Item 11 – Report number of liters of bitumens such as asphalt and tar. Do not report here bituminous materials included in Item 16.
Item 12 – Report all lumber products purchased for and use on the project, including plywood and pressed wood, but excluding timber piling, lumber in fencing, guardrail, and signs, and lumber purchased for or used on previous projects and previously reported. The quantity of lumber should be reported as the number of thousand board meters and not as the number of board meters.
Item 13 – Report total number of kilograms of reinforcement (plain or coated) for both structures and pavement. Include estimated quantities of reinforcing and prestressing steel in purchased precast units, except concrete pipe reinforcement.
Item 14 – Report total number of kilograms of structural steel, steel H-piling, and sheet piling.
Item 15 – Report total number of meters of ready-mixed concrete plus estimated quantity of concrete in purchased precast units, excluding Item 27.
Item 16 – Report total number of metric tons of bituminous paving mixtures that are purchased in a prepared condition ready for placement as they reach the job.
Items 17 and 18 – Report total quantity of aggregates such as sand, gravel, crushed stone, etc., produced by the contractor.
Item 19 – Report estimated total weight of steel products not appropriate for Items 13, 14 and 26, such as joint devices, tubular piling, etc.
Items 20, 21, and 22 – Report total lengths, in linear meters, of all types of noise barriers, guardrail and bridge rail.*
Item 23 – Report final contract amount for all types of signs including foundations, posts, structural supports, etc. Do not include traffic signals.*
Item 24 – Report final contract amount for highway and bridge lighting including foundations, conduits, standards, wiring, switches, luminaries, etc. Do not include traffic signals.*
Item 25 – Report final contract amount for traffic signals.*
Item 26 – Report, by size, regardless of class, type, gauge or coating, total number of linear meters of corrugated steel pipe, structural plate pipe, pipe-arches and arches.
Item 27 – Report, by size, regardless of class, type, gauge or coating, total number of linear meters of plain and reinforced concrete drain and culvert pipe.
Item 28 – Report, by size, total number of linear meters of clay pipe.
Item 29 – Report, by size, total number of linear meters of corrugated aluminum culvert.
Item 30 – Report, by size, total number of linear meters of plastic pipe.

*Quantities of steel, concrete and lumber used in connection with Items 20, 21, 22, 23, 24, and 25 should not be reported unless difficulties are encountered in segregating such quantities from total quantities.

FORM FHWA-47M (Rev. 7-98)