



Concrete Pour Records

General

The following forms are used by the Office of Structure Construction to facilitate record keeping in connection with concrete used in structure work:

Form DH-OS C72	Field Record for Concrete Pours	Used by concrete inspector to record pour data. Use is optional.
Form DS-C73	Concrete Pour Record	Used to summarize and record data for each concrete pour. File Category 48.

Field Record for Concrete Pours (Form DH-OS C72)

Form DH-OS C72 is intended especially for use by field personnel assigned to inspection of concrete work: The form is pocket-size to facilitate its use in the field.

When concrete is batched away from the jobsite and delivered on the job in transit-mix or pre-mixed trucks, delivery tickets should be picked up by the inspector from the truck driver. Following completion of the pour, any information needed from the delivery tickets should be entered on Form DH-OS C72, if used, and the completed form along with the delivery tickets will be stapled together and filed by pour number in a suitable box.

Concrete Pour Record (Form DS-C73)

Form DS-C73 is the permanent record of each concrete pour, and all pertinent information should therefore be entered on the form. It may be prepared from information previously recorded on Form DH-OS C72. A separate "Concrete Pour Record", Form DS-C73 is required for each pour. "Concrete Pour Records" should be numbered consecutively for each concrete item on each structure. Space has been provided for entering the numbers of the Vendor's Certificates of Compliance. Note that it is important to substantiate all concrete waste. Waste due to form variation should be substantiated by showing actual calculations, even if they are of necessity only approximate. Waste outside of the forms (spilled, dumped, left in truck, rejected, etc.) should be described and estimated as accurately as possible.

The "Concrete Pour Record" provides space for showing the final authorized pay quantity of one concrete item at one structure, and also for showing the total quantity paid to date for the same concrete item at the same structure. A comparison of these figures will provide the necessary information to prevent an overpayment for the item.

On contracts having structures with large quantities of concrete, and where it takes extended periods of time to complete the structures, consideration should be given to increasing the pay quantity of each pour by the amount of the volume of any encased reinforcing steel.

The "Concrete Pour Record" is to be filed in Category 48 with the pay quantity being posted directly to the "Contract Input Transactions Sheet", Form HC-34. See Attachment No. 1 for a sample of a completed Concrete Placing Record, Form DS-C73. Department of Transportation Concrete Pour Record DS-C73 (Rev. 5-2-77)

File Category
 Item Number
 Pour No. - This Item
 This Bridge
 Bridge Identification

Sheet No. 48-53-3 - P

Job Stamp

Bridge Name Pyramio Creek Bridge No. 16-44
 Item No. and Description 53-Structural Concrete, Bridge Footing
 Date 8-2-84 Mix No. 1 Cert. of Compliance No. T-74156
 Pour Location Pier No. 4 Footing
 Admixture Used Pozzolite 300R Amount 3 02/sock
 Air Entraining Agent None Amount — % Air Required None
 Pour Inspected By B. Jones Samples Taken By G. Smith
 Sample Numbers 1-28-1/2 & 2 1/2 - 53P

Time	Load No.	Truck No.	Air Temp.	Conc. Temp.	Individual Penet. Readings	Aver. Penet.	% Air	Tests By	Remarks
0800	1	T-163	70°	65°	2"-1 3/4"-2"	2"	—	G. Smith	
0915	5	T-114	72°	66°	2 1/4"-2"-1 3/4"	2"	—	G. Smith	Trk. T-114 not mixing properly will not be used on job again until corrected.

Remarks: Concrete was chuted directly into forms from trucks.
Vibrator breakdown delayed pour for 1/2 hour after second load.

WASTE OUTSIDE FORMS - EXPLAIN
1.5 CY left in last truck
0.5 CY spilled on ground

WASTE INSIDE FORMS - SUBSTANTIATE
Ftg. aver. 0.1' over depth
 $(20)(20)(0.1) = 1.5 CY$
27

Plan Pay Quant.-This Item-This Br. 810.0 Cy
 + or - Due to CCO's — Cy
 Final Pay Quant.-This Item-This Br. 810.0 Cy
 Quant. Prev. Paid-This Item-This Br. 118.5 Cy
 Pay Quantity-This Pour 59.5 Cy
 Total Quant. To Date-This Item-This Br. 178.0 Cy

Quantity Delivered 63.0 Cy
 Quantity Rejected — Cy
 Waste in Forms 1.5 Cy
 Waste Outside Forms 2.0 Cy
 Net = Pay Quant. 59.5 Cy
 This Pour 59.5 Cy

Pour Record Info Entered By B. Jones

Posted to BC-34
 Contract Transactions Input Sheet
 Sheet No. 003
 Line No. 19
 Date 8-3-84
 By I. Entroid