

ALABAMA DEPARTMENT OF TRANSPORTATION

BMT-122

REV. 01/14/2009

CONCRETE BATCH TICKET

DISTRIBUTION:

Project Engineer

Concrete Plant

GENERAL INFORMATION

Concrete Plant: _____ Vendor No. _____ Concrete Job Mix Number: _____
Project: _____ County: _____
Concrete Class and Type: _____ Cubic Yards: _____
Truck Number: _____ Load Number: _____
Ticket Number: _____ Date: _____

CONCRETE PLANT DATA

ALDOT DATA AT JOBSITE

Time Water Added: _____ am/pm
Allowable Delivery Time: _____
Initial Counter Reading: _____ revs
Mixing Revolutions at Plant: _____ revs
Max Water Allowed by Spec: _____ gal. (L)
*Free Water from Aggregates: _____ gal. (L)
*Batch Water Used: _____ gal. (L)
*Wash Water Used: _____ gal. (L)
Allowable Jobsite Water: _____ gal. (L)
*Total Cement Content: _____ lbs.(kg)
*Total Fly Ash Content: _____ lbs.(kg)
*Other Mineral Admixtures: _____ lbs.(kg)
*Fine Agg. Free Moisture: _____ %
*Coarse Agg. Free Moisture: _____ %
Total Wet Fine Aggregate: _____ lbs.(kg)
*Total Wet Coarse Aggregate: _____ lbs.(kg)
*Air Entrainment Dosage: _____ oz.(ml)
*Water Reducer Dosage: _____ oz.(ml)
*Set Retarder Dosage: _____ oz.(ml)
*Other Admixture Dosage: _____ oz.(ml)
Concrete Temp After Mixing: _____ °F (°C)
Slump: _____ in.(mm) Air Entrained: _____ %

Time Truck Emptied: _____ am/pm
Computed Delivery Time: _____
Structure Mix Placed In: _____
Water Added at Jobsite: _____ gal. (L)
Total Calc. Water in Load: _____ gal. (L)
Pre-mixing Counter Reading: _____ revs
Post-mixing Counter Reading: _____ revs
Mixing Revolutions at Jobsite: _____ revs
Final Counter Reading: _____ revs
Computed Total Revolutions: _____ revs
Measured Slump This Truck: _____ in.(mm)
Measured Air This Truck: _____ %
Measured Concrete Temp: _____ °F (°C)
Remarks: _____

* This information shall be the exact batched quantities. Concrete plants using computerized batching procedures shall match the batched quantities entered here with the computer batch ticket.

ACCOUNTABILITY

Plant Technician Name: _____

ALDOT Technician Name: _____

Plant Tech Number (ALDOT): _____

ALDOT Technician Number: _____

I hereby certify that the concrete in this transit mixer is proportioned in accordance with the designated APPROVED mix design above and that all materials conform to ALDOT Specifications.

I hereby certify that the above information is based upon correctly performed testing as specified or computations that utilize both my observations and information certified by the Plant Technician.

Plant Technician Signature

ALDOT Technician Signature

**CONCRETE BATCH TICKET
REQUIRED DATA DESCRIPTIONS**

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Time Water Added – Time when all water has been completely discharged into load.

Allowable Delivery Time – Governed by ALDOT specifications dependent on concrete temperature, admixtures, type of concrete, etc.

Initial Counter Reading – Number of revolutions on the truck's drum counter after all components have been discharged into the drum and prior to mixing the load. (Note: Adjustable counters shall be reset to zero at this point.)

Mixing Revolutions at Plant – The number of truck drum revolutions turned at the plant while mixing the load.

Max Water Allowed by Spec – Total maximum water allowed for size load batched as governed by the job mix design.

Free Water from Aggregates – Total water contained in the aggregates contributing to the mix water for the size load batched.

Batch Water Used – Total water discharged into the truck during the batching process.

Wash Water Used – Water that is added to the load by the truck driver during the wash-down of the truck's drum, fins, hopper, etc.

Allowable Jobsite Water – Water that may be added to the load at the jobsite. The amount of water allowed is the difference between the total water contained in the load and the maximum amount of water allowed by the job mix.

Total Cement Content – Total mass of the cement introduced into this load.

Total Fly Ash Content – Total mass of the fly ash introduced into this load.

Other Mineral Admixtures – Total mass of other mineral admixtures introduced into this load.

Fine Agg. Free Moisture – Percent of moisture contained in the fine aggregate contributing to the mixing water in the concrete.

Coarse Agg. Free Moisture – Percent of moisture contained in the coarse aggregate contributing to the mixing water in the concrete.

Total Wet Fine Aggregate – Total mass of the fine aggregate, including free moisture, contained in this load.

Total Wet Coarse Aggregate – Total mass of the coarse aggregate, including free moisture, contained in this load.

Air Entrainment Dosage – Total volume of air entraining agent introduced into this load.

Water Reducer Dosage – Total volume of water reducing agent introduced into this load.

Set Retarder Dosage – Total volume of set retarding agent introduced into this load.

Other Admixture Dosage – Specify type of additional admixtures and the total volume introduced into this load.

Computed Delivery Time – Actual time for delivery from time the water is added to the aggregates to the time the truck is emptied.

Structure Mix Placed In – Description of the structure in which the concrete is being placed.
(Ex. Deck span #1, Pour #1, NBR)

Total Calc. Water in Load – Total amount of water contained in the load.

** **Pre-mixing Counter Reading** – Drum revolution counter reading after water added at jobsite, (if necessary), and prior to mixing.

** **Post-mixing Counter Reading** – Drum revolution counter reading after mixing with additional jobsite water added.

** **Mixing Revolutions at Jobsite** – Total number of drum revolutions at mixing speed at jobsite after additional water added.

Final Counter Reading – Drum revolution counter reading at the time the truck is emptied or if last load, pour is complete.

Computed Total Revolutions – Difference between the final counter reading and the initial counter reading.

** Enter data here only if water is added to the load at the jobsite.

Note: Concrete temperature, slump and air tests at the jobsite are not required on every truck, however, these tests shall be taken as often as necessary in order to assure compliance with all governing specifications.