Concrete Mixture and Materials Information

Wisconsin Job Sheet 813

Natural Resources Conservation Service (NRCS) Wisconsin

Project: _____

Contractor: _____

Concrete Supplier: _____ Mix Name: _____

Mix designed by: _____

Design Mix (cubic yard basis)

Cement _____ lb. Pozzolan (Fly Ash) _____ lb. Ground Granulated Blast Furnace (GGBF) Slag _____ lb.

Measured Air Content _____% (Must be 6 ± 1.5)

Measured Slump _____ in. (Must be <5) Measured Slump (after superplasticizer) _____ in. (Must be <8)

28-Day Compressive Strength (attach test results) _____psi (Must be >3500 psi)

Total Pozzolan + GGBF Material: _____ lb. Total Cementious Material: _____ lb.

Pozzolan to Total Cementious Material Ratio: _____ (Must be ≤ 0.25)

GGBF to Total Cementious Material Ratio: _____ (Must be ≤ 0.30)

(Pozzolan + GGBF) to Total Cementious Material Ratio: _____ (Must be ≤ 0.30)

Total Cementious Material per cubic yard (Cement + Pozzolan + GGBF): _____ (Must be ≥ 564)

Water: _____ gal.

Fine Aggregate*: _____ lb. % Moisture Content[1]: _____ Water Weight (FA)[2]: _____ lb. _____ gal.[3]

Coarse Aggregate*: _____ lb. % Moisture Content[1]: _____ Water Weight (CA)[2]: _____ lb. _____ gal.[3]

Total Water Content: _____ gal.

Oven dry Fine Aggregate Weight: _____ lb. [Fine Aggregate - Water Weight (FA)]

Oven dry Coarse Aggregate Weight: _____ lb. [Course Aggregate - Water Weight (CA)]

Total Oven dry Aggregate Weight: _____ lb.

Fine Aggregate (Oven dry) / Total Aggregate (Oven dry): _____ (Must be 0.30 - 0.45)

Total Water Weight: _____ lbs.
(gal. * 8.34 lb/gal)

Water:Cement Ratio: _____ (Must be ≤ 0.45)

**State if aggregate is ovendry, saturated surface dry, moist weight, etc.*

Materials

Fine Aggregate ASTM C-33	(attach sieve analysis)	
Coarse Aggregate ASTM C-33	Size Number _____ (attach sieve analysis)	Brand Name/Supplier
Cement ASTM C-150	Type _____	_____
Air Entraining Agent ASTM C-260	_____	_____
Fly Ash ASTM C-618	Class _____ (attach test data)	_____
Ground Granulated Blast Furnace (GGBF) Slab ASTM C-989	Type _____	_____
Water Reducing Admixture ASTM C-494	Type _____	_____
Other Admixtures: ASTM _____	Type _____	_____
ASTM _____	Type _____	_____

The design concrete mix meets the criteria of the current Wisconsin Construction Specification 4, Concrete.
(Date of Specification 4: _____).

Signature: _____ Title: _____

[1] Assumed free water contained in the aggregates stored outside with free drainage
FA (sand) = 3.0 – 4.0 % or in decimal form 0.03 - 0.04
CA = 1.0 - 1.5 % or in decimal form 0.01 - 0.015
[2] (FA (lb) * %MC / 100) = Water weight (lb)
(CA (lb) * %MC /100) = Water weight (lb)
[3] Water weight (lb) / 8.34 (lb / gal) = gallons of water