

CONCRETE MIX DESIGN

ISSUED: _____
REVIEWED: _____
DATE: _____
MIX NO. : _____

CONCRETE SUPPLIER: Concrete Company Name
ADDRESS: Address
PLANT LOCATION: City, State TELEPHONE NO: _____
ASSIGNED PLANT NO.: FDOT Plant # PROJECT NO: Project
DATE: 3/3/2007

CLASS CONCRETE 27.6 Mpa Class IV SPL

SOURCES OF MATERIALS

COARSE AGGREGATE: Coarse Agg Supplier GRADE: #67 S.G. (SSD): 2.60
FINE AGGREGATE: Fine Agg Supplier FM: 2.55 S.G. (SSD): 2.60
PIT NO. (COARSE): 070 TYPE: Crushed Limestone
PIT NO. (FINE): 023 TYPE: Silica Sand
CEMENT: Cement Cupplier SPEC: ASTM C150
AIR ENTR. ADMIX: Admix Supplier SPEC: ASTM
2ND ADMIX: Admix Supplier SPEC: ASTM
3ND ADMIX: Admix Supplier SPEC: ASTM
POZZ #1: flyash supplier SPEC: ASTM
POZZ #2: pozz 2 supplier SPEC: ASTM

CEMENT kg : 222
COARSE AGGREGATE kg : 1,058
FINE AGGREGATE kg : 766
AIR ENTR. ADMIX ml : 210
2ND ADMIXTURE ml : 830
3RD ADMIXTURE ml : 2060
WATER liters : 158
WATER kg : 158
POZZ #1 kg : 95
POZZ #2 kg : 0

SLUMP RANGE: 76 to 127 mm
AIR CONTENT: 1.5 to 4.5 %
UNIT WEIGHT (wet) : 2,299.5 kg/m³
WATER CEMENT RATIO (kg/kg): .50
MAX. ALLOWABLE W/C (Field) : .50
THEORETICAL YIELD: 1 Cubic Meter

PRODUCER TEST DATA

SLUMP : 114 mm
CHLORIDE CONTENT : 0.0926 kg/m³
AIR CONTENT : 3.2 %
TEMPERATURE : 32 C

COMPRESSIVE STRENGTH DATA (MPa)

7 DAY: 24 7 DAY: 24 28 DAY: 32
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