

Damon #51



A Division of Huey Stockstill, Inc.
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PICAYUNE PLANT
130 Huey Stockstill Rd.
Picayune, MS 39466
(601) 798-1665

POPLARVILLE PLANT
778 Hwy. 28 E
Poplarville, MS 39470
(601) 795-8688

PORTLAND CEMENT CONCRETE MIX DESIGN

DATE: 4-May-09
PROJECT: NEW RAVINE AND COMBAT CRAFT OPERATIONS FACILITY
MIX TYPE: 40110-13 DESCRIPTION: 4000 P.S.I.

| | | |
|---|---|-------------------------|
| PORTLAND CEMENT | OTHER ADMIXTURE | AIR-ENT MIXTURE |
| TYPE: Type I/II | TYPE: "C" Fly Ash | TYPE: D1000 |
| PRODUCER: Holcim (Theodore) | SOURCE: HEAD WATER | AMOUNT: |
| FINE AGGREGATE | RESOURCES | COARSE AGGREGATE |
| TYPE: Fine Aggregate | TYPE: #67 Coarse Aggregate | |
| SOURCE: Huey Stockstill, Inc. (12 Oaks) | SOURCE: Huey Stockstill, Inc. (12 Oaks) | |

MATERIALS

| MATERIALS | SIZE RANGE | BULK SP. GR. | ABSORPTION % |
|------------------|-------------|--------------|--------------|
| CEMENT | --- | 3.15 | --- |
| FINE AGGREGATE | 3/8" - #100 | 2.62 | 0.63 |
| COARSE AGGREGATE | 1" - #8 | 2.47 | 3.01 |
| FLY ASH | --- | 2.64 | --- |

MIX DATA

| SAMPLE NUMBER 40110-13 | | NET WEIGHTS | ABSOLUTE VOLUME |
|--------------------------------|-------------------|--|-----------------|
| | MIXTURE BY WEIGHT | 1 CUBIC YARD | MIX CUBIC YARD |
| FLY ASH (ASTM C618) | 113 | 113 | 0.69 |
| CEMENT (ASTM C150) | 451 | 451 | 2.29 |
| FINE AGGREGATE (ASTM C33) | 1489 | 1489 | 9.11 |
| COARSE AGGREGATE (ASTM C33) | 1700 | 1700 | 11.03 |
| WATER | 242 | 242 | 3.88 |
| WATER REDUCER D-65 (ASTM C494) | 17 oz./CY | --- | --- |
| ADVA FLOW (SUPER) | 22 oz./CY | --- | --- |
| TOTAL | | 3995 | 27.00 |
| WATER/CEMENT RATIO | 0.43 | THEO. UNIT WEIGHT (LB. PER CUBIC FOOT) | 147.95 |

SLUMP (IN.): 4"
CONTRACTOR: COAST CONCRETE Q.C. BRUCE C. EZELL 601-273-0540
PRODUCER: HSI Ready Mix a division of Huey Stockstill, Inc.

DAMMON ENGINEERING INC

Date: 5.4.09 Project: Stennis ROF
Reviewed: X
Reviewed as Noted: _____
Revise and Resubmit: _____
Rejected: _____
Other: _____

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his or her work with that of all other trades and performing all in a safe and satisfactory manner.

Submittal Item: Conc. Mix Design
Comments

BROADMOOR, L.L.C.

I hereby agree that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated with contract number N69450-05-D-0096, is in compliance with the contract documents, can be installed in the allocated spaces, and is submitted for Government approval.

Robert [Signature] 5.4.09
DQC Manager Date

[Signature] 5/4/09
QC Officer Date