



A Division of Huey Stockstill, Inc.

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PICAYUNE PLANT  
 130 Huey Stockstill Rd.  
 Picayune, MS 39466  
 (601) 798-1865

POPLARVILLE PLANT  
 778 Hwy. 26 E  
 Poplarville, MS 39470  
 (601) 785-8668

**PORTLAND CEMENT CONCRETE MIX DESIGN**

DATE: 3-Dec-09

PROJECT: RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY

MIX TYPE: 40110-18 DESCRIPTION: 4000 P.S.I.

<b>PORTLAND CEMENT</b>	<b>OTHER ADMIXTURE</b>	<b>AIR-ENT MIXTURE</b>
TYPE: Type II	TYPE: "C" Fly Ash	TYPE: D1000
PRODUCER: Holcim (Theodore)	SOURCE: Head Water	AMOUNT: 3 OZ/CY
<b>FINE AGGREGATE</b>	<b>COARSE AGGREGATE</b>	
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**

	MIXTURE BY WEIGHT	NET WEIGHTS 1 CUBIC YARD	ABSOLUTE VOLUME MIX CUBIC YARD
FLY ASH (ASTM C618)	113	113	0.69
CEMENT (ASTM C150)	451	451	2.29
FINE AGGREGATE (ASTM C33)	1225	1225	7.49
COARSE AGGREGATE (ASTM C33)	1700	1700	11.03
WATER	242	242	3.88
WATER REDUCER D-65 (ASTM C494)	17 oz./CY	---	---
or ADVA 140-M	17 oz./CY	---	---
AIR (ENTRAINED) (ASTM C260)	3 oz./CY	---	1.62
ADVA 190 SUPERPLASTICIZERS	3-4 oz/hrwt	3731	27.00
<b>TOTAL</b>			
WATER/CEMENT RATIO	0.43	THEO. UNIT WEIGHT (LB. PER CUBIC FOOT) 138.19	
SLUMP: 1"-3" W/SUPER 3"-7"			
AIR CONTENT: 4.5% - 7.5%			

Bruce C. Ezell 601-273-0540

CONTRACTOR: M Natal Contractor, Inc.

Reviewed Date: 12-15-09  
 Checked by: [Signature]  
 APPROVED BY: [Signature]  
 DYNAMON ENGINEERING INC.

**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 A. Feld 1.12.10  
DQC Manager Date

Walter W. Calkins 12/19/09  
QC Officer Date

**DAMMON ENGINEERING INC**

Date: 1.12.10 Project: Stennis ROF

Reviewed: \_\_\_\_\_  
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: Concrete Mix - Paving  
Comments