25-229K
9-97

STATE OF ALASKA
Department of Transportation & Public Facilities
Central Materials Lab

5750 EAST TUDOR RD, ANCHORAGE AK 99507
Phone (907)-269-6200 FAX (907) 269-6201

Laboratory Report

INFORMATION

PROJECT NAME: Sand Point Airport Runway Ext. PROJECT NO. AIP 3-02-0253-0904 / 57797

SAMPLE OF: Primary Armor Stone ITEM/SPECIFICATION NO.: P-185a
SAMPLED FROM: Primary Armor & Underlayer (Existing)
SOURCE/SUPPLIER: Existing/Knoll Quarry QUANTITY REPRESENTED Source
LOCATION/ADDRESS: Sand Point AK SUBMITTED BY: J. Bowers
EXAMINED FOR: Quality

LABORATORY NO. 05A-0121
FIELD NO.: I-AS-Q-2
DATE SAMPLED: 01/25/2005
DATE RECEIVED: 01/28/2005
DATE COMPLETED: 02/17/2005
DATE REPORTED: 02/17/2005

Sieve Analysis

SIEVE	Lab	Specs.
4"		
2"		
1"		
1/2"		
1/4"		
#8		
#16		
#40		
#80		
#200		
.002mm		

Fineness Modulus

LL	
PL	
PI	

	Lab	Specs
% Fracture		
Single Face		
Flat Elongated, 3:1		
Uncompacted Voids of FA		

			Coarse	Specs	Fine	Specs
Specific Gravity, Bulk			2.71			
Specific Gravity, App.			2.84			
Absorption	ASTM C 127			2 max		
Lightweight Part., %						
Friable Particles						
Sulfate Sound, % Loss	ASTM C 88		(11)	5 max		
L.A. Abrasion, Grade	ASTM C 131			50 max		
% Loss @ 100 revs			7	10 max		
Fine Aggregate						
Degradation	ATM 313		61	40 min		
Shale & Mica						
Sand Equivalent						
% Organic						

MORTAR MAKING PROPERTIES OF SAND
Organic Impurities [ ]Less [ ]More than 500 PPM
Compressive Strength, psi (if More than....)

	Control	Sample	Ratio	Spec.
7 Day				
28 Day				

Remarks: Expansive Breakdown by Ethylene Glycol
CRD-C 148-69
(35.2) Specs. 2% Max.

When Processed to conform to grading requirements, this material is satisfactory for:

DRAFT

The Material as Submitted Conforms to Specifications
Yes[ ] No[X] NA[ ]

Signature
Newton J. Bingham, PE
Regional Materials Engineer

D9 THE TEST RESULTS ARE ONLY REPRESENTATIVE OF THE MATERIAL AS SUBMITTED.