

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  
 LABORATORY NO. 05A-0121  
 SAMPLE OF: Primary Armor Stone ITEM/SPECIFICATION NO.: P-185a FIELD NO.: I-AS-Q-2  
 SAMPLED FROM: Primary Armor & Underlayer (Existing) DATE SAMPLED: 01/25/2005  
 SOURCE/SUPPLIER: Existing/Small Quarry QUANTITY REPRESENTED: Source DATE RECEIVED: 01/28/2005  
 LOCATION/ADDRESS: Sand Point AK SUBMITTED BY: J. Bowers DATE COMPLETED: 02/17/2005  
 EXAMINED FOR: Quality DATE REPORTED: 02/17/2005

Sieve Analysis

SIEVE	Lab	Specs.
4"		
2"		
1"		
3/4"		
1/2"		
3/8"		
1/4"		
#8		
#16		
#30		
#40		
#50		
#80		
#100		
#200		
75µm		
.002mm		

ASTM C 127

ASTM C 88

ASTM C 131

ATM 313

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

	Lab	Specs	Fine	Specs
Specific Gravity, Bulk	2.71			
Specific Gravity, App.	2.84			
Sulfate Sound, % Loss	11	5 max		
% Loss @ 100 revs	7	10 max		
Degradation	61	40 min		

Fineness Modulus

LL	
FL	
FI	

MORTAR MAKING PROPERTIES OF SAND

Organic Impurities [ ] Less [ ] More than 500 PPM  
 Compressive Strength, psi (if More than....)  
 Control Sample Ratio Spec.  
 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.