

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. ATP 3-02-0253-0904 / 57797 LABORATORY NO. 05A-0117
 SAMPLE OF: Primary Armor Stone ITEM/SPECIFICATION NO.: P-185a FIELD NO.: I-AS-Q-1
 SAMPLED FROM: Recovered Primary Armor Stone (Existing) DATE SAMPLED: 01/20/2005
 SOURCE/SUPPLIER: Existing / Knoll Quarry QUANTITY REPRESENTED Source DATE RECEIVED: 01/26/2005
 LOCATION/ADDRESS: Sand Point AK SUBMITTED BY: J. Bowers DATE COMPLETED: 02/14/2005
 EXAMINED FOR: Quality Tests DATE REPORTED: 02/14/2005

Sieve Analysis

| STIEVE | Lab | Specs. |
|--------|-----|--------|
| 4" | | |
| 2" | | |
| 1 1/2" | | |
| 1" | | |
| 3/4" | | |
| 1/2" | | |
| 3/8" | | |
| 1/4" | | |
| #4 | | |
| #8 | | |
| #16 | | |
| #30 | | |
| #40 | | |
| #50 | | |
| #60 | | |
| #200 | | |
| #200 | | |
| .075mm | | |
| .002mm | | |

ASTM C 127

ASTM C 88

ASTM C 131

ATM 313

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

| | Lab | Specs | | |
|------------------------|------|----------|--|--|
| Specific Gravity, Bulk | 2.71 | | | |
| Specific Gravity, SSD | 2.75 | 2.65 min | | |
| Specific Gravity, App. | 2.81 | | | |
| Lightweight Part., ‡ | | | | |
| Sulfate Sound, ‡ Loss | 7 | 5 max | | |
| ‡ Loss @ 100 revs | 7 | 10 max | | |
| Degradation | 58 | 40 min | | |

Fineness Modulus

LL
 PL
 PI

MORTAR MAKING PROPERTIES OF SAND
 Organic Impurities [] Less [] More than 500 PPM
 Compressive Strength, psi (if More than....)
 Control Sample Ratio Spec.
 28 Day

Remarks: Expansive Breakdown by Ethylene Glycol

CRD-C 148-69
32.5% 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 _____

 Regional Materials Engineer