



State of Minnesota Department of Transportation

Aggregates Test Report

Office of Materials and Road Research

1400 Gervais Avenue

Maplewood, MN 55109

Sample ID Number: CO-PS11-0008

Project Number: For Info Only

Field ID: DH 126,DH134

Date Sampled: 11/03/2010

Date Received: 12/09/2010

Approved: 2/24/2011 15:00

TH Number:

Depth: 5.00 to 19.00

Grade Spec:

Spec Class:

Quality Spec:

Plant Name:

Comment:

Billing Agency:

Project Engineer: D. MARTIN

Submitter: DNR- H. ARENDS

IAS Name:

Legal: SE1/4 NE1/4 Sec 06 - 126 - 33

Pit Name:

Pit Owner:

Sampled From: DRILL HOLE

Usage: DNR PROSPECTING

Test Procedures: AASHTO T-19, T-21, T-27(M), T-30(M), T-84(M), T-85(M), T-96(M), T-104(M), T-113(M), T-176(M), T-248(M), T-304 Method A, ASTM C123, ASTM C535, ASTM D3042, ASTM D4791(M), Micro Deval(MP), Percent Crushing(MP) M = MN/DOT Modified MP = MN/DOT Procedures

% Passing Sieve:	Lab Test	Field Test	Spec. Limits	
			Low	High
50mm (2")	100			
37.5mm (1 1/2")	97			
31.5mm (1 1/4")	92			
25.0mm (1")	90			
19.0mm (3/4")	86			
16.0mm (5/8")	82			
12.5mm (1/2")	77			
9.5mm (3/8")	73			
4.75mm (#4)	64			
2.36mm (#8)	60			
2.00mm (#10)	58			
1.18mm (#16)	51			
600um (#30)	36			
425um (#40)	25			
300um (#50)	17			
150um (#100)	7			
75um (#200)	4.4			

% Shale in Sand	***0.0
% Carbonate	25.5
% Iron Oxide	0.40
% Unsound Chert	0.30
% Total Sample Spall	0.2
% BA Spall +4	0.7

* Value does not meet Spec
~ Value out of Field Lab Tolerance
*** Trace (0.00 - 0.05) Detected
% Shale in Sand N.C. = Trace

☐ Meets Requirements
☐ Does Not Meet Requirements
☒ For Info Only
☐ Incentive/Disincentive

☐ Unable to Verify
☐ Unable to Verify, Not Enough Material Supplied
☐ Within Lab-Field Tolerance
☐ Out of Lab-Field Tolerance

Comments:

PROSPECT SAMPLE

Copies To

DNR - H. ARENDS

Charge: 1 - 1012
1 - 1013
1 - 1014
1 - 1029

Report Approved By:

David B. Bahr