

PROSPECTING

## 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-PS11-0033			Project Number: For Info Only	
Field ID:	LL-400		Billing Agency:	•
Date Sampled:	09/15/2010		Project Engineer:	D. MARTIN
Date Received	02/04/2011		Submitter:	S. KOSTKA
Approved:	3/10/2011 10:50		IAS Name:	
TH Number:	0, 10,2011 10.00		Legal:	SW1/4 Sec 08 - 049 - 22
Depth:	15.00 to 20.00		Pit Name:	377 174 366 00 - 049 - 22
	15.00 to 20.00			
Grade Spec:			Pit Owner:	
Spec Class:			Sampled From:	DRILL HOLE
Quality Spec:			Usage:	PROSPECTING
Plant Name:				
Comment:	AITKIN CO			
		D4791(M), Micro Dev		(M), T-176(M), T-248(M), T-304 Method A, MN/DOT Modified MP = MN/DOT Procedures
% Passing		Lab	Field	Spec. Limits
Sieve:		Test	Test	Low High
63mm (2 1/2")		100		
50mm (2")		100		
37.5mm (1 1/2")		98		
31.5mm (1 1/4")		98		
25.0mm (1")		97		
19.0mm (3/4")		94		
16.0mm (5/8")		91		
12.5mm (1/2")		87		
9.5mm (3/8")		81		
4.75mm (#4)		63		
2.36mm (#8)		46		
2.00mm (#10)		42		
1.18mm (#16)		31		
600um (#30)		18		
425um (#40)		14		
300um (#50)		11		
150um (#100)		8		
75um (#20	00)	3.6		
% Shale ir	n Sand	***0.0		
% Sandstone		0.5		
% NonSpall Argillite		0.1		
% Spall Argillite		2.0		
% Carbonate		1.5		
% Iron Ox	ide	0.10		
% Unsoun	nd Chert	0.20		
% Schist		0.16		
%TotalSa	mplSpall	0.8		
% BA Spa	III +4	2.2		
* Value does not meet Spec ~ Value out of Field Lab Tolerance *** Trace (0.00 - 0.05) Detected % Shale in Sand N.C. = Trace		Does Not For Info O	quirements  Meet Requirements  Inly  Disincentive	Unable to Verify Unable to Verify, Not Enough Material Supplied Within Lab-Field Tolerance Out of Lab-Field Tolerance

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Depth: 15.00 to 20.00 Pit Name: Grade Spec: Pit Owner:

Spec Class:

Quality Spec:

Sampled From:

DRILL HOLE

PROSPECTING

Plant Name:

Comment: AITKIN CO

**Test Procedures**: AASHTO T-19, T-21, T-27(M), T-30(M), T-84(M), T-96(M), T-104(M), T-113(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 Lab Field Spec. Limits

Sieve: Test Test Low High

 Copies To
 Charge:
 1 - 1012

 DNR - S. KOSTKA
 1 - 1013

1 - 1013 1 - 1014

1 - 1029

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