

May 7, 2012

Subject: Minturn 2012 Road Rehabilitation –
Asphalt Coring, Summary of
Observations, Minturn, Colorado.

Job Number: 12-6528

Mr. Jim White / Mr. Steve Humann, P.E.
Town of Minturn c/o TST Inc.
760 Whalers Way, Building C, Suite 200
Fort Collins, CO 80525

Attn: Mr. Jim White / Mr. Steve Humann, P.E.,

As requested, a representative of GROUND visited the project on May 4, 2012 to perform coring on existing asphalt and aggregate base course (ABC) on Pine Street, Eagle Street and Toledo Avenue for depth determinations. The results are as follows:

- Location # 1; Pine Street, 50' N of Norman Ave., SB Lane→

Thickness of Asphalt = 3.5"

Thickness of ABC = 5.0"

Total Thickness = 8.5"



- Location # 2; Pine Street, 200' S of Toledo Ave., NB Lane (Near Pothole See Below)

Thickness of Asphalt = 2.8"

Thickness of ABC = 5.0"

Total Thickness = 7.8"



- Location #3; Pine Street, 30' S of Toledo Ave., SB Lane

Thickness of Asphalt = 4.0"

Thickness of ABC = 3.5"

Total Thickness = 7.5"

- Location #4; Eagle Street, 240' S of Toledo Ave., NB Lane→

Thickness of Asphalt = 5.0"

Thickness of ABC = 1.0"

Total Thickness = 6.0"



GROUND

ENGINEERING CONSULTANTS INC.

PO Box 464, 101A Airpark Drive #9, Gypsum, CO 81637 Phone (970) 524-0720 Fax (970) 524-0721

www.groundeng.com

Office Locations: Englewood • Commerce City • Loveland • Granby • Gypsum • Grand Junction

Minturn 2012 Road Rehabilitation – Asphalt Coring
Minturn, Colorado

- Location #5; Eagle Street, 200' N of Toledo Ave., E Edge
Thickness of Asphalt = 3.0"
Thickness of ABC = 3.0"
Total Thickness = 6.0"
- Location #6; Eagle Street, 100' S of Main St. Entrance, SB Lane→
Thickness of Asphalt = 4.0"
Thickness of ABC = 5.0"
Total Thickness = 9.0"
- Location #7; Toledo Ave., 60' E of Main St., EB Lane→
Thickness of Asphalt = 2.8"
Thickness of ABC = 3.0"
Total Thickness = 5.8"



Samples were obtained of the aggregate base course in two locations and appear to meet the requirements of CDOT Class 6 ABC; results are attached. Visual observations of the material found below the cored pavement sections of asphalt and aggregate base course generally appeared as a clayey to silty sands with gravel and intermittent cobble.

If you have any questions, please feel free to contact this office.

Sincerely,

GROUND Engineering Consultants, Inc.

Chris Hutto, C.E.T.

Reviewed by Scott Richards, P.E.

GROUND

ENGINEERING CONSULTANTS

GRADATION PROPERTIES

Project: **Minturn 2012 Road Rehabilitation -
Asphalt Coring**

Date: May 4, 2012

Job Number: **12-6528**

Reported to: **Town of Minturn c/o TST Inc.**

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Mr. Jim White / Steve Humann, P.E.

Sample Information

Sample Type: Aggregate Base Course
Sample Number: G-3011
Sample Location: Pine Street, 50' N of Norman Ave, SB Lane
Elevation: In-Place 3.5" to 8.5" BG
Date Sampled: May 4, 2012
Aggregate Identification: Class 6 ABC

Gradation Analysis (ASTM C136)

Sieve Size (opening)	Passing (%)	Project Specifications Class 6 ABC (%) passing
3"	100	-
2"	100	-
1 1/2"	100	-
1"	100	-
3/4"	98	100
1/2"	68	-
3/8"	58	-
#4	42	30-65
#8	33	25-55
#16	28	-
#30	22	-
#50	14	-
#100	9	-
#200	6.8	3-12
Liquid Limit:	NV	
Plastic Index:	NP	

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Sample Information

Sample Type: Aggregate Base Course
Sample Number: G-3012
Sample Location: Eagle Street, 100' S of Main St Entrance
Elevation: In-Place 4" to 9" BG
Date Sampled: May 4, 2012
Aggregate Identification: Class 6 ABC

Gradation Analysis (ASTM C136)

Sieve Size (opening)	Passing (%)	Project Specifications Class 6 ABC (%) <i>passing</i>
3"	100	-
2"	100	-
1 1/2"	100	-
1"	100	-
3/4"	100	100
1/2"	85	-
3/8"	77	-
#4	59	30-65
#8	49	25-55
#16	42	-
#30	31	-
#50	20	-
#100	13	-
#200	9.3	3-12
Liquid Limit:	NV	
Plastic Index:	NP	

379 Indian Road
Grand Junction, CO 81501
Tel:(970) 242 4300
Fax:(970) 242 4301

41 Inverness Drive East
Englewood, CO 80112
Tel:(303) 289 1989
Fax:(303) 289 1686

101A Airpark Drive, Unit 9
Gypsum, CO 81637
Tel:(970) 524 0720
Fax:(970) 524 0721