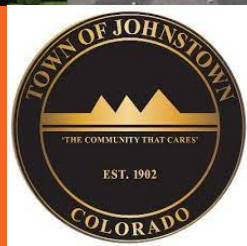




HIGH DENSITY MINERAL BOND



The City of Johnstown, CO
Partner in Pavement Preservation
Total Project size: 85,424 SY
Proposal for HDMB Project



Summary:

The highest return on investment (ROI) is achieved by installing HA5 - High Density Mineral Bond.

Performance is calculated to be two to three times longer compared to using seal coats and premium seal coats.

Beyond the preservation benefits that HA5 provides, residents experience less community intrusion as road closures are needed much less frequently.

Performance History of Surface Treatments:

The biggest items to focus on for preservation treatment are:

- » What will provide the maximum extension of pavement life per every dollar spent?
- » Validating a product's performance goes beyond pictures of black roads. Initially, all tools for pavement preservation turn a road black, but HA5 has proven to stop the infiltration of water and slowed down the overall oxidation process compared to other premium seal coats.



ANDALE
CONSTRUCTION

7700 N. Hayes Dr. | Valley Center, KS 67147
Phone: (316) 832-0063 Fax: (316) 440-8810
www.andaleconstruction.com

Texas Office
193 Welco Ln. Jourdan, TX
Phone: (505) 716-6851



HIGH DENSITY MINERAL BOND

INTRODUCTION

We pride ourselves on delivering products of paramount quality. We set ourselves apart by continuing to use advanced construction methods which reduces the cost to the customer and increased durability. We stand behind our final product and offer warranties unmatched in our industry! We have a well-rounded team that understands construction and how everyone on the job must work together as one to perform at a high level



Founded in 1972

IS Network™ contractor

Six-time Golden National
Award Winner

Over 1500 Successful
projects completed

Phone: (505) 716-6851

Website: andaleconstruction.com

INTRODUCTION

Integrated Pavement Solutions (IPS) produces HA5, one of the leading pavement preservation treatments for residential roadways. HA5 meets the rigid demands for High Density Mineral Bond installations for extending pavement life. This category in pavement management was established by agency engineers after evaluating the performance of installations over a 10 year period. Today HA5 has a track record of performance spanning 18 years.



Creator of HA5 High Density Mineral Bond

HA5 is now protecting over

600 million square feet of
roadways across **25 states**

The choice of over **200** public agencies and
hundreds of private communities
Research showing a remarkable **67%** delay in
age hardening of asphalt pavement

Phone: (435) 619-0575

Website: preserveasphalt.com

For more information visit:
www.HA5info.com/blog



HIGH DENSITY MINERAL BOND

Treatment Report HA5

Below are core samples taken from roadways comparing municipality specified, time-tested pavement preservation treatments. Look closely at each core. The HA5 core aesthetically looks to be the most desirable with the darkest surface. However, what the engineering community has identified is the darker color beneath the surface. This uncovers HA5's ability to retain the critical oils and resins that keep asphalt pavements flexible. **More flexibility results in pavements lasting longer with less cracking and other manifestations of deterioration.**

A report from the engineering firm Rosenberg & Associates, assessing a side by side of HA5 to a premium seal coat installation, found **9x less cracking** in the HA5 treated section compared to the premium seal coat treated section after a **4 year period**.

Core Sample Comparison (Cores taken from Mohave Desert region)



Slurry

Date Pavement Installed:
1999

Preservation:
Type II Slurry
Installed in 2007
(Cobblestone Drive)

Chip Seal

Date Pavement Installed:
1999

Preservation:
Chip Seal
Installed in 2008
(Boulder Springs Drive)

HA5

Date Pavement Installed:
1995

Preservation:
HA5 (High Density Mineral Bond)
Installed twice
beginning in 2002
(West Springs Drive)

KEYS TO PAVEMENT PRESERVATION:
The Right Treatment, on the Right Road, at the Right Time.



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PROPOSAL		Date:	6/2/2021	Estimate:	1
Partner in Pavement Preservation		Project Description		Project Location	
Johnstown, CO		High Density Mineral Bond - HA5 Installation		Johnstown, CO	
P.O. Number	Terms	Advisor	Region	State License #	
	Due upon completion	Ted Noe	CO		
Description			Quantity	U/M	Rate
HA5 HIGH DENSITY MINERAL BOND: -- Install "HA5" High Density Mineral Bond advanced performance pavement preservation treatment. -- No guarantee surface treatments will adhere to areas saturated with motor oil. -- HA5 meets demands of APWA (American Public Works Association) specification (Section 32 01 13.68 High Density Mineral Bond).			85,424	SY	\$ 3.10
Traffic Control			1	LS	\$ 5,850.00
Mobilization			1	LS	\$ 10,250.88
Citizen Notification			1	LS	\$ 962.00
PPE & Safety Equipment			1	LS	\$ 427.12
*Actual SY applied will be billed at the Unit Price Rate. This is not a Lump Sum Bid. *Pricing is based upon one mobilization for the project. *Projects that are broken up to be done over different time periods requiring multiple mobilizations would result in the project being priced based upon the tier of the square yardage for each scheduled project. *Excessively dirty roads will require separate cleaning fees. *Crews will follow mandates regarding COVID-19 and all equipment/shuttles will be properly sanitized throughout the project. *Tax will be charged unless Exemption Certificate is provided.					
TAX					
Total:					\$ 281,329.40

PROPOSAL: Void 30 days from date listed on proposal. By signing this proposal (contract), I agree that Andale Construction Inc. may not be held liable for delays, conditions, or Acts of God beyond their control, which situations may delay or cause cancelation partially or entirely on any project. Delays include project demand and material supply. Andale Construction Inc. is not liable for any ADA compliance, if needed, Client should consult with an ADA compliance professional prior to specific project approval.

PAYMENT TERMS: Due Upon Completion (Completion by line item 'Progress Billing' and/or completion of project core) There may be concerns from Client following completion. Upon request, post-project walk-throughs may be scheduled to review concerns. Payment will still remain due upon invoice. Andale Construction Inc. is committed to client satisfaction and resolving concerns, though at times, this may be delayed.

CLIENT: As the Client I agree to not withhold payment due to walk-through requests, cleaning, touch-up, or warranty concerns. I agree that if I demand to retain payment until warranty work or touch up is completed, the retainer will be a fixed amount of 5% of invoice, up to \$750.00. I agree that I may be billed as each line item is completed and each item may become their own respective invoice. I understand that interest accrues on all past-due amounts at 24% per annum from invoice date, until paid in full; and may be billed collection fee's of up to 40%, and Client agrees to pay all fees accrued by collection efforts. These terms apply to all amount(s) incurred by me and for whom I have committed management responsibility, regardless of timing. Total Proposal price includes one mobilization. Additional mobilizations may be billed up to \$3,500 per additional mobilization. This agreement provides Client written Notice of Right to Lien. Pricing does not include Certified Payroll unless stated otherwise.

INSURANCE: These insurance limits are listed by Andale Construction to inform Client of such. Any premiums above the following to be paid by Client. This disclosure overrules any other contract language wherein Andale Construction agrees to differing limits.

Certificates available upon request.

GENERAL LIABILITY: \$1m (inc.), \$2m (agg.) **AUTO:** \$1m **UMBRELLA:** \$2m (inc.), \$2m (agg.) **PERSONAL INJ:** \$1m **WORKERS COMP:** \$1m **GUARANTEE:** One year guarantee on workmanship and product liability.

Signature: _____ **Print:** _____ **Date:** _____ **Andale Construction Inc.** _____



HIGH DENSITY MINERAL BOND

Proactive HOAs and Agencies have uncovered a strategy that saves them money while effectively preserving their pavement assets using HA5 High Density Mineral Bond.

- » *Smooth, Impermeable Surface*
- » *High Home Owner Acceptance*
- » *Unmatched Durability*

Prominent communities across the country who have transitioned to a longer lasting and more cost effective high density mineral bond installation include:



HOAs and Agencies in particular are trending away from the use of slurry and seal coats due to the much higher return on investment and longer lasting performance of HA5

(categorized as High Density Mineral Bond). HA5 enables communities to lower the life-cycle costs of pavement assets and reduce the amount of road closures.

- » *Lower & more predictable costs*
- » *Extends pavement life*
- » *Improved aesthetics and property values*
- » *No loose or grainy residue*
- » *Fewer premature failures*

For more information visit:
www.HA5info.com/blog