# HighMark Charter School Board of Directors Meeting

June 7, 2023 **Time:** 5:30PM

Location: 2467 E South Weber Drive, South Weber, UT 84405



#### **AGENDA**

#### **CALL TO ORDER**

**CLOSED SESSION**- to discuss the character, professional competence, or physical or mental health of an individual pursuant to Utah Code 52-4-205(I)(a).

#### **VOTING ITEMS AND DISCUSSION ITEMS**

- o Director Employment Agreement
- o Lawn Care Agreement
- Asphalt Invoice

#### **ADJOURN**

# Proposal

for Landscape Management



Client: HighMark Charter School

Address: 2467 East South Weber Dr, South Weber

**Date:** January 26, 2023

| Count | Unit        | Description                             | Each |       | Total |       |
|-------|-------------|---|------|-------|-------|-------|
| 28    | Services    | Weekly Service (Mow, Trim, Blow & Weed) | \$   | 356   | \$    | 9,968 |
| 1     | Service     | Spring Clean-Up                         | \$   | 612   | \$    | 612   |
| 1     | Each        | Irrigation Start Up                     | \$   | 965   | \$    | 965   |
| 2     | Service     | Shrub Pruning                           | \$   | 234   | \$    | 468   |
| 2     | Application | Turf Fertilization & Broadleaf Control  | \$   | 1,793 | \$    | 3,586 |
| 7     | Each        | Irrigation Checks                       | \$   | 120   | \$    | 840   |
| 1     | Service     | Fall Clean Up                           | \$   | 612   | \$    | 612   |
| 1     | Each        | Irrigation Shut Down                    | \$   | 789   | \$    | 789   |

| Grand Total as Proposed: | \$ | 17,841 |
|--------------------------|----|--------|
|                          | Ψ  | ,      |

#### **Hourly Rates**

| Count | Unit | Description                                      | Each |    | Total |   |
|-------|------|--|------|----|-------|---|
| -     | Hour | Labor  | \$   | 55 | \$    | - |
| -     | Hour | Basic Technician (Irrigation)                    | \$   | 75 | \$    | - |
| -     | Hour | Advanced Technician (Pest, Irrigation, Arborist) | \$   | 85 | \$    | - |
| -     | Hour | Turf Aeration                                    | \$   | 65 | \$    | - |
| -     | Hour | Native Mowing - Clippings left in place          | \$   | 55 | \$    | - |

#### Notes:

- We anticipate managing finished landscape areas. Unless otherwise noted, we have not included native areas, paved surfaces, or potted plants.
- Finished area proposed are assumed to be turf grass and rock flower beds, if not other wise informed prior to proposal.
- Services included in weekly service are mow, trim, edge, and blow of turf grasses areas, along with weekly weeking flower bed areas and playground structures areas.
- This proposal does not include the removal of personal belongings and hazardous waste
- Services are invoiced monthly based upon a 8 month landscape season (March to Oct) and due upon receipt
- Service counts may be adjusted as requested by customer
- We have sought to outline our planned scope above. If a service is not listed, we have not included it in our proposal.
- This proposal anticipates maintaining the property in a condition similar to that which it is found. If significant changes and/or restoration is needed, additional costs may apply.
- Irrigation services anticipate one point of connection and one controller. Any other arrangement will increase costs.

| Proposal Submitted By: | Proposal Accepted By: |
|------------------------|-----------------------|
| Be Band                |                       |
| Bruce Reed             | <u></u>               |
| The Samara Company     |                       |



## 2023 Property Maintenance Proposal

# "YOUR COMPLETE PROPERTY MAINTENANCE SPECIALIST"

| Client:                                   | Highmark Charter School   | Contact:                  | Kirk Blake                |
|---|---------------------------|---------------------------|---------------------------|
| Address:                                  | 2467 E South Weber dr     | Contact Number:           | 801-444-9878              |
| Billing Address:                          |                           | Email                     | Kirk@academicawest.com    |
| Item                                      | 1 Year Agreement          | 2 Year Agreement          | 3 Year Agreement          |
| Weekly Lawn Maintenance-mowing,           | \$405 per week            | \$395 per week            | \$385 per week            |
| trimming, edging, blowing & trash         |                           |                           |                           |
| patrol                                    |                           |                           |                           |
| Commercial turf fertilizer program        | \$1225 per application    | \$1200 per application    | \$1150 per application    |
| (5-6 total applications) 1 pre-           | (Estimated 220,670 sq ft) |                           |                           |
| emergent/fertilizer, 4 fertilizer         |                           |                           |                           |
| w/herbicide, 1 insecticide & 1 revive app |                           |                           |                           |
| Irrigation System Start up                | \$325.00                  | \$300.00                  | \$275.00                  |
| Irrigation Repairs & adjustments          | \$60 per man / hr + parts | \$60 per man / hr + parts | \$60 per man / hr + parts |
| Irrigation Winterization/Blow out         | \$425.00                  | \$415.00                  | \$405.00                  |
| Spring cleanup & haul off debris          | 50 per man/hr             | 50 per man/hr             | 50 per man/hr             |
| Aeration or Dethatching                   | \$725.00                  | \$700.00                  | \$675.00                  |
| Fall leaf cleanups & haul off debris      | 50 per man/hr             | 50 per man/hr             | 50 per man/hr             |
| Tree/Shrub Pruning/Cut back fence         | 50 per man/hr             | 50 per man/hr             | 50 per man/hr             |
| lines & haul off debris                   |                           |                           |                           |
| Playground Mulch delivery & installed     | \$98 per yard             | \$98 per yard             | \$98 per yard             |
|   |                           |                           |                           |
| Labor rate                                | \$50 per man hr           | \$50 per man hr           | \$50 per man hr           |
|   |                           |                           |                           |
|   |                           |                           |                           |

I Acknowledge the prices for the referenced property and agree to the terms and specifications. This contract may become void, by either party, with a written notice 30 days prior to termination for any legitimate reasoning. Upon termination of contract, balance for all completed services will be due. In the case of early termination of multi-year contract, client will be responsible to pay the 1 year pricing for all services rendered up to the cancelation date. An itemized monthly statement will be mailed by the end of that month for all services that are due.

| Owner/Property Manager  | X | Date |
|-------------------------|---|------|
| Ozmer / Account Manager | X | Date |

#### **Andersen Asphalt**

801-675-1555 admin@andersenam.com



Prepared For:

Academica West 290 N Flint St Kaysville, UT 84037 435-663-5107

Attention:

Kirk Blake

**Project Address:** 

Highmark Charter School 2467 E South Weber Dr South Weber, UT 84405

Thank you for the opportunity to provide you with a proposal. Please review the proposal and feel free to call with any questions.

#### **CRACK SEAL PAVEMENT & PERIMETER JOINTS**

\$4,207.20

#### Crack Seal 7,150 Linear Feet of transverse and lateral asphalt pavement cracking including perimeter joints

- This work is performed by cleaning debris and vegetation from transverse and lateral pavement cracks 1/4" to 11/2" with the use of wire wheels and heat lances.
- Cracks will be sealed with Nuvo CS B A next generation hot applied, polymer modified crack and joint sealant. (Meets ASTM Specifications)
- Cracks near or under vehicles may not be treated if vehicle is not removed.
- Nuvo CS B with advanced performance intelibond technology is fast setting, extremely flexible at cold temperatures, and durable in the hot months.
- If additional crack seal over the above linear footage is requested, work will be completed at the same unit price per linear foot.
- This work can be completed with minimal inconvenience to traffic.

STRIPING LINES \$4,433.48

#### Apply traffic paint to parking stalls and other marked areas

| 5,950 | Striping                       |
|-------|--------------------------------|
| 6     | ADA white symbol with blue box |
| 4     | Stop bar                       |
| 20    | Arrow - new layout             |
| 57    | Crosswalk - Each bar           |
| 1     | Stencil - XL per digit         |
| 4     | Stencil "Only"                 |
| 2     | Half Basketball Court          |
| 3     | Four Square                    |
| 2     | Hop Scotch                     |
| 1     | Tetherball                     |

**~**...

- Apply Sherwin Williams SetFast traffic paint, which is a dependable application that provides fast-drying properties and excellent durability.
- If a detailed striping layout is not provided, we will exercise our best effort to re-stripe the area per the
  existing layout.
- A minimum of \$400 for each additional mobilization may be required.
- Please ensure all vehicles are removed (towing if required) from the affected areas prior to scheduled time.

PREPARED BY: Andersen Asphalt

#### Notes:

- Additional quantities to be billed at the same rate.
- Power steering turning marks are normal and will fade away over time.
- The sealed surface will remain tender during the hot months of the year.
- Customer is responsible to ensure sprinklers are turned off 24 hrs prior and remain off for 24 hrs after project. Additional costs will be billed if contractor arrives to a wet surface.

PROPOSAL TOTAL: \$8,640.68

- It is the responsibility of the customer to ensure all vehicles or other debris is clear from the maintenance area. All towing costs will be billed to the customer.
- Price based on 1 Mobilization; additional mobilizations will be charged extra.
- Purchaser is responsible to ensure all vehicles are removed (towing if required) from the affected areas no later than 7:00 a.m.
- Sprinkler systems are to be shut off 24 hours prior to treatment and 24 hours after completion.
- We are not responsible for damage to property from vehicular or foot traffic on wet sealcoat.

The Unit Rates applicable to the categories of work to be performed pursuant to this Agreement are based on the following material costs and published indexes:

Any adjustments to the original scope of work shall be committed and paid by purchaser as though a written change order were approved and signed by both parties.

| Printed Name: Date: | red Name: | Date: |
|---------------------|-----------|-------|

# **Highmark Charter**

#### **Academica West**



We Recommend: <u>HA5</u> (Option A)

HA5 provides the highest return on investment

- ➤ Lasts 3x Longer Than a Sealcoat
- ➤ 9x Less Cracking
- No Grainy Residue
- > Superior Aesthetic Appearance
- Maximum Oxidative protection
- ➤ Least Expensive Option Over Time



# **Cost / Benefit Calculator Asphalt Surface Treatments**

Name: **High** Size: 78,7

|                           | 7                   | HA5                             | \$27,412       | \$27,412                   | \$54,825                    | \$109,649                   | \$3,427                |
|---------------------------|---------------------|---------------------------------|----------------|----------------------------|-----------------------------|-----------------------------|------------------------|
| Surface Treatment Options | N                   | Premium<br>Mineral<br>Seal Coat | \$18,039       | \$36,077                   | \$90,193                    | \$180,386                   | \$5,637                |
| V                         | A                   | Seal Coat                       | \$15,124       | \$45,372                   | \$120,992                   | \$241,985                   | \$7,562                |
| ∷ Highmark Charter        | יסיין ייסטרטיין פער |                                 | 1st Year Cost: | TOTAL COSTS after 5 years: | TOTAL COSTS after 15 years: | TOTAL COSTS after 30 years: | AVERAGE COST PER YEAR: |

# Cost Assessment Comparing Surface Treatments:

Savings with HA5 compared to Seal Coat: 55% or \$132,335 over 30 years (\$4,135 per year)

Savings with HA5 compared to Premium Seal Coat: 39% or \$70,736 over 30 years (\$2,211 per year)

# \$109,649 \$241,985 \$180,386 Total spent after 30 YRS Comparing total maintenance costs paid through years 5, 15 & 30 Total spent after 15 years **Cost / Benefit Graph** HA5 - High Density Mineral Bond Total spent after 5 years --- Premium Seal Coat ---Seal Coat 1st YEAR \$18,039 \$27,412 \$50,000 Ş \$300,000 \$250,000 \$200,000 \$150,000 \$100,000

#### PAVEMENT MANAGEMENT OPTIONS

All surface treatments turn pavement BLACK but... NOT ALL ARE CREATED EQUAL. Holbrook Asphalt's mission is to help your community extend the life and quality of your pavement at the lowest possible cost.

Below is a detailed summary of options for pavement management....

#### **HA5** (High Density Mineral Bond)

Price: \$\$\$\$\$

**Description:** HA5 is comprised of a mixture of very fine aggregates, including corundum, slate, and quartz, combined with a uniquely stable non-ionic base emulsion that includes polymers specific for reflecting UV rays that accelerate oxidative damage. Most effective on qualified roadways that have not oxidized beyond a Pavement Condition Index (PCI) of 80 or higher. Limited effectiveness on heavy load, high volume, and high-speed roadways.



HA5 is recognized as a highly durable asphalt preservation treatment by the *American Public Works Association*.

Application Process: HA5 uses a spray application.

#### **Aesthetic Quality:**

\*Rich, black application creates high aesthetic appeal with a pleasing "surface friendly" finish.

\*Very well accepted by the public.

\*Will not mask moderate to major defects in a distressed pavement.

#### **Asphalt Protection Value: \$\$\$\$**\$

\*Excellent durability and life extension.

\*Reduces cracking and raveling by effectively preserving the existing asphalt binders.

\*Effectively deflects UV rays.

\*Reduces aging by restoring oils and resins to the surface.

**Industry Standard:** The *American Public Works Association (APWA)* has developed rigid specifications and performance standards for High Density Mineral Bond installations.

#### Cost Effectiveness: \$\$\$\$\$

\*6-8 year extended life span.

\*The HA5 provides durable protection that significantly reduces the frequency of asphalt maintenance.

\*Compared to a Seal Coat, the use of HA5 provides long term savings up to 69% over 30 years. \*The HA5 is backed by an industry best 5-year warranty.

#### **Premium Seal Coat with Mineral or Other Fillers**

Price: \$\$\$\$\$

**Description:** A premium seal coat is similar to the seal coat listed above, but it adds more sand, sometimes latex, or other fillers such as rubber that tend to help generate marketing excitement, but with a questionable impact on performance.

**Application Process:** A premium seal coat is applied by squeegee or spray.



#### **Aesthetic Quality:**

\*Premium seal coats provide high aesthetic value with a shiny, black surface.

\*Will not mask moderate to major defects in a distressed pavement.

#### **Asphalt Protection Value:**

\*May last up to one year longer than a standard seal coat.

\*Does not hold up to exposure to sunlight and water over time.

\*Lack of effective industry standards promotes unreliable quality.

\*Overall, premium seal coats lack durability, resulting in a shorter life span compared to other options.

**Industry Standard:** The *American Public Works Association (APWA)* has NOT recognized seal coat specifications for use on local roads.

Cost Effectiveness: \$\$\$\$\$

\*Premium seal coats are costly due to the frequency of application required for preservation benefits.

\*The Asphalt Seal Coat Manufacturers Association recommends resealing every three years.

#### **Seal Coat**

Price: \$\$\$\$\$

**Description:** A seal coat is a thin, liquid application which consists of a slow-setting asphalt chemical emulsion mixed with fillers, water, and a variety of other additives. The Standard Grade Seal Coat has a lesser amount of mineral fillers than the Premium Grade Seal Coat.

**Application Process:** A seal coat is applied by squeegee or spray.



#### **Aesthetic Quality:**

\*Creates a clean look by adding thin, black layer to worn asphalt.

\*Will not mask moderate to major defects in a distressed pavement.

#### **Asphalt Protection Value: \$\$\$\$\$**

\*Limited life span of 1.5 to 2 years.

\*A seal coat provides a temporary sealant to the top of the asphalt to prevent water from penetrating the surface.

\*Exposure to sunlight and water affect it's wear over time.

**Industry Standard:** Lack of effective industry standards promotes unreliable quality. The American Public Works Association (APWA) has NOT recognized seal coat specifications for use on local roads.

#### Cost Effectiveness: \$\$\$\$\$

\*Initial cost is low, but must be reapplied often to maintain protection.

\*Frequent reapplication becomes very costly over time.

\*If used as the primary means of preservation, costly rehabilitation will likely still be required.



Bill To

Highmark Charter c/o: Academica West attn: Kirk Blake 290 N Flint St Kaysville UT 84037

| Project Location  | Proposal #                         | Date Issued          | PO/LD#    |
|---|------------------------------------|----------------------|-----------|
| Highmark Charter<br>2467 E South Weber Dr<br>South Weber UT 84405 | HAU947077                          | 3/31/2023            |           |
| 30dtii Webei 01 84403   | Terms                              |                      |           |
|   | Due Upon Complet                   | cion                 |           |
|   | <b>Adviser Informat</b>            | ion                  |           |
|   | Blake Baker<br>P: 435-862-1575   E | E: blake@holbrookasp | bhalt.com |
|   | Description                        |                      |           |

2023 HA5

| Item   | Quantity | UM   | Rate  | Amount    |
|--|----------|------|-------|-----------|
| HA5 Clean & prepare surface using high pressure air & wire bristle brooms. 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 High Density Mineral Bond Specification established by agency engineers.  | 78,771   | SqFt | 0.348 | 27,412.31 |
| <b>Crack Repair - Elastomere</b> Clean & prepare cracks if necessary. Install Hot-Applied Elastomeric Sealant to all cracks larger than 1/8 inch.  | 4,805    | LIFt | 0.415 | 1,994.08  |
| <b>CCJ Repair - Elastomere</b><br>Seal concrete joints with Hot-Applied Elastomeric Sealant.   | 3,035    | LIFt | 0.322 | 977.27    |
| Paint/Stripe Includes all stripes, symbols, and lettering on the pavement surface to follow existing pattern. Pricing is based on work being completed in one day (one mobilization), unless stated otherwise. Any striping or painting items not specified on this proposal line are not included. Any addition or reduction in work requires a signed change order. Change order will be billed upon completion.  3440LF-4" white line 2400LF-skip lane divider @ 3 to 1 or 1 to ratio 20-Parking lot arrows 4 to 7 foot 6-Blue square with 48" white ADA emblem 56-white beaded crosswalk piano key 4-8' ONLY stencil 2-Basketball half court 3-Standard 4 square 3-hopscotch box set 1-custom circle 1-MOB |          | LS   |       | 7,001.25  |

**Total** \$37,384.91

Please sign for proposal acceptance: **Do not sign this page**, see final page for signing



 Date
 Number

 3/31/2023
 HAUB10742

#### Terms and Conditions

TERMS AND CONDITIONS: Any proposals returned to Holbrook Asphalt Company ("Contractor") more than 14 days after the proposal is submitted to the Client is subject to revision, updated pricing, or may be voided by Contactor. Engineering, tests, permits, inspection fees and bonding fees are not included in price unless stated otherwise. Pricing based on no more than area and depth dimensions listed. Upon construction, if it is determined that concrete or asphalt area or depth is greater than the estimation, client agrees to pricing adjustment as a result of project overrun. Client specifically represents and warrants that either the Client is the owner of the premises where the work is to be performed, or, in the alternative, Client has authority from the owner of the premises authorizing the Work to be performed on the said premises.

GENERAL EXCLUSIONS: Contractor is not liable for any ADA compliance, if needed, Client should consult with an ADA compliance professional prior to specific project approval. Contractor not responsible for claims related to pavement markings or lack thereof during or following project work. Contractor will not be responsible for its product failure if said failure is directly or indirectly caused by "Existing Surface Conditions," as defined below, and any written or implied warranty will become void. Existing Surface Conditions are defined as: water drainage issues or delamination or failure of existing paint, asphalt, surface sealer, wearing course or any other material that is in a failing or in an unstable state. If any portion of the project area has Existing Surface Conditions not caused or created by Contractor that impact Contractor's HA5 product or any other product Contractor applies to project area, the warranty is void. Client is responsible for having entry gates open on day of work. Any damage to gates, sensors or loop sensors above or below asphalt are responsibility of Client. Any hot-applied sealants will not be exactly level with pavement surface as material settles to fill voids. There may also be excess material on pavement surface. Regarding asphalt, concrete and excavation work: Contractor is not responsible for subgrade, drainage in areas of less than 1% grade, adjustments of utilities, manholes and valve covers. Contractor is not responsible for any damage to underground utilities and cost to repair the same.

PAYMENT TERMS: Payment is due upon completion of work (Completion by line item 'Progress Billing' and/or completion of project core). Payment is due upon Client receipt of invoice. Client understands and agrees that it will be billed for towing as incurred and will be due on receipt. If the Client has a discrepancy with the Contractor regarding the contracted work, a retention of 5% of invoice up to a maximum of \$750.00 may be retained by Client up to 45 days. Client agrees that it may be billed as each line item is completed and each item may become their own respective invoice and due upon receipt of the same. Contractor reserves the right to charge up to 50% of Proposal Total if client cancels project within 25 days of scheduled project commencement. Upon request, post-project walk-throughs may be scheduled to review concerns.

Client agrees that interest accrues on all past-due amounts at 24% per annum from invoice date, until paid in full; and may be billed collection fees of up to 40% and all fees incurred by collection efforts. Total Proposal price includes one mobilization unless stated otherwise. 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 bonding or prevailing wage/Davis Bacon Certification, unless stated otherwise. By signing this proposal (contract), Client agrees that Contractor 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.

INSURANCE: These insurance limits are listed by Contractor to inform Client of such. Any premiums above the following to be paid by Client. This disclosure overrules any other contract language wherein Contractor 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 ADDITIONAL HA5 WARRANTY LIMITATIONS AND EXCLUSIONS: No claim will be honored unless Holbrook Asphalt has been notified in writing and is given the opportunity to inspect the claimed failure. Surface treatments applied previous to HA5 being installed are not covered under this warranty. (For example, if a previously applied preservation treatment is peeling or delaminating from the pavement surface—even if the surface was cleaned and prepped prior to HA5 being installed on top of it—this warranty does not cover HA5 in these circumstances.) Any attempt to repair the surface prior to Holbrook Asphalt's inspection will render this warranty invalid. Areas where HA5 was installed over pavements with motor oil, brake fluid, hydraulic fluid, or other substances that disturb the adhesion of HA5 and that lead to delamination are not covered under warranty. This warranty does not cover structural defects in the asphalt (e.g. base failure or damage caused by faulty construction and or design), cracks, exposure to fuel, oil, or other chemicals determined to be harmful to the HA5 treatment, areas exposed to frequent sprinkler water run-off, or standing and/or ponding water, damage caused by heavy truck or equipment traffic, damage caused by equipment inflicting excessive stress or scraping to the pavement surface, damage caused by landscaping installation, or damage caused by earthquakes or other acts of God. Mechanical disturbances by snowplow chatter, studded tires, etc. are excluded from warranty. This warranty is not valid for areas located in elevations above 6500 feet. A valid Warranty Certificate must be signed with a copy returned to Holbrook Asphalt within 60 days of the HA5 installation for the warranty to be valid and executable. Pre-mature wear of HA5 during the five-year period is defined as anything less than 70% residual inter-aggregate coverage of HA5 to the asphalt period. ight ctor

| binder of the treated s  | surface. If premature failure of HAS is deef | ned by Holbrook Asphall of an a  | approved third-party expert within the in  | re year  |
|--------------------------|--|----------------------------------|--|----------|
| reinstallation will take | place at no charge or at the reduced rate    | identified on the Warranty Certi | ficate for the project. Contractor reserve | s the ri |
| appoint the third-party  | y expert should there be a dispute regardi   | ng the premature failure betwee  | n the Client and Contractor. Client and    | Contrac  |
| agree to be bound by     | and abide by the decision of the third par   | ty expert regarding whether a p  | emature failure has occurred.              |          |
| I have read and agree    | e with these terms and conditions. I elect t | o proceed with the signed option | n below.                                   |          |
| IAU947077 - 2023 HA      | A5 (Sign to accept this proposal)            |                                  |  |          |
| Name                     | Signature                                    | Date                             | Contractor                                 |          |
|                          |  |                                  |  |          |
|                          |  |                                  |  |          |
|                          |  |                                  |  |          |

# STREETS LAST LONGER & COST LESS TO OWN





The tested and proven reliable choice for preserving our roadways



A breakthrough that is changing the aging characteristics of asphalt, and confirmed by a university testing, is igniting enthusiasm for a profound reduction in pavement life-cycle costs.

# RESEARCH PROVES HA5 DELAYS AGE HARDENING

DELAY IN ASPHALT AGING



#### **HOW HAS IMPACTS ASPHALT AGING**







"Using conventional as well as leading-edge testing methods to identify the age hardening of the asphalt binders, researchers have identified a <u>67% delay in the age hardening</u> of the asphalt binder with HA5 installed as a pavement preservation strategy. This ability to reduce flexibility loss supports an in-field case study where after just a four-year period a side-by-side comparison identified <u>cracking to be reduced by nearly 9 times with HA5 installed."</u>

"Transportation Research 2020" Dr. Shakir Shatnawi, P.h.D., P.E. Former State Pavement Engineer and Division Chief at Caltrans with 30 years of experience in pavement design, management, and preservation.

#### **CORE SAMPLE COMPARISONS**

Pavement Installed 1999



Type II Slurry

Pavement Installed 1999



Chip Seal

Pavement Installed



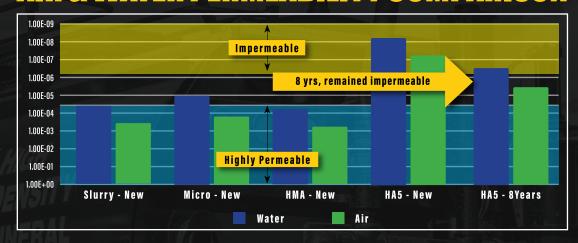
HA5 High Density
Mineral Bond

The HA5 treatment is 4 years older than the other two treatments, and it still maintained a like new condition many years after application with visible oils keeping the asphalt resistant to oxidative aging from air, water and UV ray.





## **AIR & WATER PERMEABILITY COMPARISON**



Research on binder elasticity and pavement permeability proves that asphalt treated with HA5 significantly increases the useful life of asphalt pavement and therefore dramatically lowers the cost of transportation infrastructure.

#### ROI

| Primary Treatment Strategy          | Avg PCI | (Subdivision Public<br>Acceptance Rating)<br>PAR | \$/Centerline Mile* | Cost of Ownership<br>Savings |
|-------------------------------------|---------|--|---------------------|------------------------------|
| 1. Do Nothing                       | 70      | 4  | \$5,642,846.54      | 0%                           |
| 2. Partial Recon/ Surface removal   | 73      | 4  | \$3,612,576.63      | 36%                          |
| 3. Mill & Overlay                   | 76      | 6  | \$3,099,706.96      | 45%                          |
| 4. Thin Overlay                     | 75      | 6  | \$2,961,391.49      | 48%                          |
| 5. Seal Coat/Mastic Sealer          | 79      | 7  | \$2,639,047.53      | 53%                          |
| 6. FOG/Rejuvenator                  | 81      | 7  | \$2,590,647.40      | 54%                          |
| 7. Type II Slurry                   | 86      | 4  | \$1,281,249.01      | 77%                          |
| 8. Micro Surface                    | 80      | 5  | \$1,247,331.18      | 78%                          |
| 9. Chip Seal                        | 80      | 2  | \$1,115,431.75      | 80%                          |
| 10. High Density Mineral Bond (HA5) | 88      | 9  | \$954,838.49        | 83%                          |

- ROI is 591% when compared to do nothing & 325% when compared to mill/overlay alone
- HA5 annual life cycle cost is substantially lower due to its durability
- Average PCI over 45 years is 87

Every agency's design specifications and goals are different but HA5 has proven its effectiveness at extending design life no matter what your goals look like.



Data analysis provided by Scot Gordon, PE, IAM, President, Roadway Asset Services, LLC. Scot has a Bachelor's and Master's degree in civil engineering from Texas A&M University with 30 years experience involving design of major highway infrastructure, evaluation and research of pavements, soil stabilization, and pavement management plan development.



**Northwest Middle School-Applied in 2021** 



**Thanksgiving Park-Applied in 2018** 



**Clinton, UT-Applied 2017** 



**Legacy Village HOA-Applied 2018** 



Blake Baker 435-862-1575

blake@holbrookasphalt.com



**East High School-Applied in 2019** 



Vineyard, UT-Applied in 2018



Intermountain Healthcare Heber-Applied in 2018



Northwest Middle School-Applied in 2021



Pleasant Grove, UT-Applied in 2018



**Uintah School District-Applied in 2018** 



**Riverwalk Estates-Applied in 2017** 



**Northwest Middle School-Applied in 2021** 



Maverick Center, West Valley, UT-Applied in 2019



Alpine, UT-Applied in 2018



#### **Andersen Asphalt LLC**

**PROPOSAL** 

555 E 5300 S 5A South Ogden, Utah 84405 Ph: 801-675-1555 admin@andersenam.com www.andersenam.com

**BILL TO:** 

Highmark Charter School 290 North Flint Street Suite A Kaysville, Utah 84037 USA **JOB SITE** 

Highmark Charter School 2467 East South Weber Drive South Weber, Utah 84405 USA PROPOSAL NO. DATE EXPIRATION 1994 05/08/2023

| ACTIVITY  | QTY   | RATE | AMOUNT   |
|---|-------|------|----------|
| Excavate Saw cut, excavate 3" asphalt and 2 ft of road base and sub grade and haul away | 1,000 | 4.00 | 4,000.00 |
| Road Base Install & compact 2 ft road base to grade in 8" lifts                         | 1,000 | 4.50 | 4,500.00 |
| Patch Apply tack to edges Install & compact 4" new APWA 1/2" hot mix asphalt            | 1,000 | 4.00 | 4,000.00 |

SUBTOTAL

TOTAL DUE

\$12,500.00

#### Inclusion

I hereby propose to furnish the material and perform the labor necessary for the completion of the specified portion of the project as stated above.

#### **Exclusion**

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order and will become an extra charge over and above the estimate. All agreements contingent upon accidents or circumstances beyond our control.

**Additional Comments** 

**SIGNATURES** 

Signature/ Print Name/ Date

**Terms & Conditions** 

ACCEPTANCE OF PROPOSAL The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.



| То:               | Kirk Blake                                | Contact:    | Kirk Blake   |
|-------------------|---|-------------|--------------|
| Address:          | Ogden, UT                                 | Phone:      | 435-633-5107 |
|                   |   | Fax:        |              |
| Project Name:     | High Mark Charter School                  | Bid Number: |              |
| Project Location: | 2467 E South Weber Drive, South Weber, UT | Bid Date:   | 6/5/2023     |

| Item # | Item Description  | <b>Estimated Quantity</b> | Unit | Unit Price | Total Price |
|--------|---|---------------------------|------|------------|-------------|
| 1      | Saw Cut & Remove 28" Of Asphalt, Road Base & Subgrade & Haul Away | 1,000.00                  | SF   | \$4.50     | \$4,500.00  |
| 2      | Furnish Grade & Compact 24" Of Road Base In 3 Lifts               | 1,000.00                  | SF   | \$4.75     | \$4,750.00  |
| 3      | Furnish & Place Compact 4" Of 1/2" APWA Asphalt With 15% Rap      | 1,000.00                  | SF   | \$4.35     | \$4,350.00  |

**Total Bid Price:** \$13,600.00

#### Notes:

- Prior to work beginning, this estimate must be signed by the customer and returned to Post Asphalt.
- Due to Volitale oil pricing, Without a signed Proposal, Post Construction Can only Hold Pricing for 4 Weeks from bid date.
- Surcharge is Included in Proposal, Unless Rocky Mountain Fuel index Diesel Average goes over \$5.00 Per Gallon, At that point Additional Fuel Surcharge May be Applied
- Price does not include Stripniq, Traffic Control, Saw Cutting, Soft Spot Repair, Compaction Testing or Material Testing unless noted above
- Price does not include permits or survey fees for quoted items unless noted above
- Post Construction Company will not guarantee drainage on grades with 1% or less slope
- Price to be billed based on measurements following job completion.

#### **Payment Terms:**

Payment terms are net **(15)** days from the date of each original Invoice. If payment is not received within such fifteen days, interest shall be charged on the outstanding principal amount at the rate of two percent per month (twenty-four percent annually), until paid in full. Where legal proceedings are instituted for recovery of all balance's due, Post Asphalt Paving & Construction shall be entitled to recover additional costs incurred, including reasonable attorney's fee. Post Asphalt Paving & Construction is hereby authorized to file a preliminary notice describing the aforesaid Customer Address pursuant to UTAH CODE ANN. 38-1a-501,1953 (as amended).

| ACCEPTED:   | CONFIRMED:                          |
|---|-------------------------------------|
| The above prices, specifications and conditions are satisfactory and are hereby accepted. | Post Construction Company           |
| Buyer:  |                                     |
| Signature:  | Authorized Signature:               |
| Date of Acceptance:   | Estimator: Jeff Post                |
|   | (801) 430-1708 jeff@postasphalt.com |

6/5/2023 8:07:03 AM Page 1 of 1