



To: Honorable Mayor & Oelwein City Council
From: Public Works Superintendent Vic Kane

CC: Dylan Mulfinger, City Administrator

Reference: June 2022 Sealcoat project

Date: 06/08/2022

Greetings:

I was asked about the timing of acquiring quotes for this project. With such a large project we took time to develop criteria for a project handout. Through a past experience, we waited to assess the spring freeze thaw damage in April before seeking quotes. Talking to the contractor most cities seek pricing in April. So, our goal date was good and one we will look to meet with the next project. The current economy has impacted timing for optimum pricing theories. Due to things like pricing volatility, lack of product and contractor availability depending on the project. In this case with the project size and current costs we received a good price.

The following quotes for the street portion are based on an estimate of 112,799 Sq yard with 300-ton of patch. Black top Services at \$290,742.00 and Prairie Road Builders at \$334,604.00.

There quote comes in \$9,258.00 under the \$300,000 approved. The pricing includes all proposed areas being contractor prepared. This will give us a better product then the city prepping these areas. They will use a hot mix asphalt scrapped over the road surface. It will restore road center crown while addressing road edge thickness and straightness. We recommend the hire of Black Top Services.

I would like to point out that Herb put together this sealcoat project. He has done an excellent job as he did with the road inventory survey earlier in the year.

Regards,
Vic Kane

From the Desk of
Public Works Superintendent Victor Kane

Seal Coat Improvements -City of Oelwein

Date: 5/26/2022

Oelwein, Iowa

The extent of the work involved includes 2 projects as follows to be priced separately:

- a. 1st project includes approximately: 112,799 sq yards of road surface for seal coat for the Public Works Department. Please price with option for contractor to complete all prep work at City request. Contact is the City of Oelwein Public Works Department 319-283-1197*
- b. 2nd project includes sealcoat of surfaces as specified in hand outs from the Oelwein Parks & Cemetery Department. Please price with option for contractor to complete all prep work at City request. Contact is Joshua Johnson 319-283-0544*

Contractors wishing to work within the City of Oelwein limits are required to present a Surety (license/Permit) Bond for a minimum of \$10,000 listing the City of Oelwein as the Obligee. The bond shall expire annually on Dec. 31st. The City of Oelwein requires submittal of a valid 'State of Iowa' Contractor's license number. The contractor shall adhere to the requirements spelled out in the Oelwein Contractor Insurance Requirements document. The City of Oelwein reserves the right to reject bids or request modification to quantities and limits of the project.

The method of construction shall be by contract in accordance with the Contract Documents for said improvements approved by the City of Oelwein City Council. Payment to the Contractor for said construction will be made in cash. The Contractor will be paid each month Ninety-five percent (95%) of the Contractor's estimate of the value of work completed at the end of the preceding month. Final payment will be made no sooner than thirty (30) days after completion of the work and acceptance by the Owner. The work under the proposed contract shall commence within thirty (30) days of the "Notice to proceed." Sealcoat application shall be completed within 90 days after Notice to proceed has been issued.

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa, and to Iowa domestic labor. Iowa law provides that on public improvements a resident contractor shall be allowed preference as against a nonresident from a state or foreign country which gives or requires a preference to contractors from that state or foreign country. The preference so allowed shall be equivalent to the preference given or required by the state or foreign country in which the nonresident contractor is a resident.

Except where specifically called out in these documents the contractor will follow specifications of IA DOT Section 2307. Bituminous Seal Coat. For clarification in the DOT documents where engineer is mentioned it shall mean City personnel.

Mobilization

Mobilization shall consist of preparatory work and operations for all items under the contract, including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site, bonds, and insurance. This item shall include demobilization costs and all work required for phasing of construction that is not called out for the measurement and payment under the items of work.

Traffic Control

The unit price shall be full compensation for furnishing and maintaining all materials, labor, and equipment necessary to control traffic for the duration of the project. Includes furnishing, installing, maintaining, moving, relocating, and removing all traffic control devices including barricades, delineators, reflectors, drums, lights, standard, signs, uniformed

officers, flaggers, pilot cars, temporary pavement markings, and safety fence. Traffic control shall comply with the current edition of Manual of Uniform Traffic Control Devices (MUTCD) with any supplements and plan details. Contractor shall notify the City of Oelwein 48 hours prior to any street closure. The Contractor is responsible for notifying property owners of any extended street closure.

Bituminous seal coat, single pass, 3/8" cover aggregate --- BMC Morgan Quarry by Dewar Iowa

The city requires the use of aggregate from the BMC Morgan Quarry by Dewar Iowa. This item shall include all equipment, labor, and materials necessary for preparation and placing of Bituminous Seal Coat as indicated on the contract. Cover aggregate material shall be 3/8-inch per contract. The Bituminous material shall be MC-800 or MC 3000. Work includes either a single or a double seal pass as noted. Contractor will follow Iowa DOT specs Section 2307 Bituminous Seal Coat. Contractor shall coordinate with the City of Oelwein to confirm the seal coat placement limits. Any overrun shall be approved by the City proper to completion.

Cold Patch Pavement

This item shall include all equipment, labor, and materials necessary for placing and compaction of HMA cold patch per DOT spec. Contractor shall coordinate with the City of Oelwein to confirm patch locations and depth. Any overrun shall be approved by the City proper to completion. The patching will be paid by a per ton quantity. Contractor shall produce scale tickets. Contractor is not required to sawcut patch areas. Incidental to this item is the removal and off-site disposal of removed materials.

Exploratory Digging

Contractor is responsible to investigate potential conflicts with public and private buried facilities prior to constructions. All conflicts shall be reported to Contractor prior to trenchless construction. Any required modifications to the horizontal or vertical alignment due to utility conflicts shall be rectified by the Contractor at their expense.

Construction Plan notes

Required: Warning signs, night lights, and other safeguards desirable or required, and shall comply with all federal, state, and municipal safety requirements. The contractor shall be solely and exclusively responsible for the design, construction, inspection, and continual maintenance of such facilities at all times. The contractor shall be responsible for protecting the work and stored materials until completion and acceptance of the work by the owner. It shall be the sole and exclusive responsibility of the contractor to provide a safe place to work for all laborers and mechanics and other persons employed on or in connection with the project, and nothing in these contract documents shall be construed to give any of such responsibility to the owner or the contractor.

Work to be completed prior to construction:

1. Joint utility locate meeting. Contractor shall set up a one-call meeting.
2. All required documentation submitted to and approved by the City.

General notes

1. 48 hrs. prior (excluding holidays & weekends) to construction, contractor shall provide notice of start to the following:

- a. City of Oelwein public Works 319-283-1197
2. Prior to any work at the site, contractor shall examine any detailed plans, applicable drawings, and quantities available from the owner and consult the owner's personnel and company representatives. No compensation will be allowed for damage from failure to comply with this requirement.
3. The contractor shall submit to the owner a schedule for performance of work items. This schedule shall be provided by the contractor at the project preconstruction conference. No work shall begin until a schedule has been submitted and accepted. The contractor shall then perform work to conform to the accepted schedule.
4. The contractor is liable for all damages to public or private property caused by their construction activities.
5. All work shall be in Accordance with the OSHA codes and standards. Nothing indicated on the drawings shall relieve the contractor from complying with any appropriate safety regulations.
6. The City of Oelwein shall not be liable for any injuries that happen on site.
7. Dispose of all excess materials and trash in accordance with federal, state, and local requirements. Provide waste areas or disposal sites for excess materials not desirable for incorporating into the project.
8. Laboratory tests shall be performed by the contractor unless otherwise noted. The contractor shall provide samples of material required for laboratory tests and testing in accordance with the Urban Standard Specifications for Public Improvements.
9. Temporary storage of construction materials and equipment in the right of way is allowed. Contractor shall not block driveways. Two-way access on local roads shall be provided. Contractor shall provide traffic control around all stored materials
10. The Contractor is required to take due precautionary measures to protect the utilities or structures at the site. It shall be the contractor's responsibility to notify the owners of the utilities or structures concerns before starting work. The contractor shall notify the proper utility immediately upon breaking or damage to any utility line or appurtenance, or the interruption of their service. If existing utility lines are encountered that conflict in location with the new construction the contractor shall notify the engineer so that the conflict may be resolved.
11. The contractor is responsible for replacing any areas of pavement not to be removed that is damaged due to operating equipment on the pavement.
12. The contractor may be required to place temporary warning devices and safety fence at certain locations where replacement features are not installed the same day.
13. In the event of a discrepancy between detailed plans and quantities, the detailed plans shall govern.
14. Contractor shall keep the premises free from accumulations of waste materials and rubbish at all times. Contractor shall provide adequate trash receptacles about the work site, promptly empty containers when filled, and properly dispose of waste materials at his expense. Wastes shall not be buried or burned on the site or disposed of in storm drains, sewer, streams, or waterways.
15. Estimated costs for hot or cold patch is based 300/ton.
16. City will assist in sweeping the area in preparation for sealcoat work.
17. Project has an estimated finish date of September 15, 2022.
18. Quotes are due to Oelwein City Hall by June 7, 2022 @ 1:00PM.

Traffic Control Notes

1. All traffic control shall be in accordance with the latest edition of the manual on uniform traffic control devices (MUTCD).
2. Permanent signing that conveys a message contrary to the message of temporary signing and not applicable to the working conditions shall be covered by the contractor when directed by the City.
3. The contractor shall coordinate their traffic control with other construction projects in the area.
4. The contractor is cautioned neither to obstruct nor remove any existing pavement, nor to disturb the existing traffic patterns more than is necessary for the proper execution of the work.
5. Contractor shall notify the City of Oelwein 48 hours prior to any street closure. The contractor is responsible for notifying property owners of the street closure. All street closures shall be open to local traffic from 5:00 PM until 8 AM. Unless approved by the City.

Schedule

If a progress meeting is required the contractor, owner, and all subcontractors active on the site shall be represented at each meeting. Contractor may at his discretion or at the request of the owner have representatives of suppliers, manufacturers, and other subcontractors attend meetings.

Testing & Layout notes

1. All testing shall be incidental and be performed by the contractor.
2. All construction staking shall be incidental and be performed by the contractor.

Land for construction purposes & site access

1. Contractor will be permitted to use available land belonging to or leased by the owner, on or near the site of work, for construction purposes and for the storage of materials and equipment. The location and extent of the areas available to the contractor shall be coordinated with the City of Oelwein. Any additional right-of-way desired by the contractor shall be acquired at his expense, and the contractor shall hold harmless the owner from claims for damages made by the owners of such additional right-of-way.
2. Site access shall be from public right of way.



City of Oelwein
 20 Second Avenue SW
 Oelwein, Iowa 50662
 Phone (319) 283 5440

Oelwein Contractor Insurance Requirements

The Contractor shall purchase and maintain such insurance as will protect the Contractor from claims set forth below which may arise out of, or result from the Contractor's operations under the contract, whether such operation be by the Contractor or by any subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. The insurance to be maintained by the Contractor shall be written as follows:

1. **Workers' Compensation and Employers Liability Insurance** as prescribed by Iowa law or the minimum limits shown below;

Iowa Benefits	Statutory
Employers Liability	
Bodily Injury by Accident	\$500,000 Each Accident
Bodily Injury by Disease	\$500,000 Each Accident
Bodily Injury by Disease	\$500,000 Each Employee

The Workers Compensation policy shall include a waiver of subrogation clause in favor of the owner.

2. **Commercial General Liability Insurance** combined single limits shown below covering Bodily Injury, Property Damage and Personal Injury:

General Aggregate Limit	\$2,000,000
Products-Completed Operations Aggregate Limit	\$2,000,000
Personal & Advertising Injury Limit	\$1,000,000
Each Occurrence Limit	\$1,000,000
Fire Damage Limit (for any one fire)	\$ 100,000
Medical Damage Limit (any one person)	\$ 5,000

3. This insurance must include the following features:
 - a. Coverage for all premises and operations. The policy shall be endorsed to provide the aggregate per Project Endorsement.
 - b. Personal and Advertising Injury
 - c. Operations by independent contractors.
 - d. Contractual Liability coverage
 - e. Coverage for property damage underground or damage by explosion or collapse (XCU).
4. **Automobile Liability Insurance** covering all owned, non-owned, hired and leased vehicles with a minimum combined single limit for Bodily Injury and Property Damage of \$1,000,000 per accident. Insurance must include Contractual Liability.

5. **Umbrella/Excess Liability Insurance** at city or utility option, the limits specified may be satisfied with a combination of Primary and Umbrella/Excess Insurance. Usually equal to the city or utility limits.
6. **Additional Insured** the Contractor will include the City or Utility as additional Insured on all policies except Workers' Compensation as respects all work performed.
7. **Insurance Certificates** Each policy noted above shall be issued by an insurance company authorized to write such insurance in the State of Iowa and shall be reasonably acceptable to the City or Utility. These insurance policies shall not be cancelled without at least 30 days prior written notice to the City or Utility. A properly executed Certificate of Insurance showing evidence of these insurance requirements shall be delivered to the City or Utility prior to the commencement of this lease.
8. **Government Immunity** The following clauses will be added to all liability coverages:
 - f. The company and the insured expressly agree and state that the purchase of this policy of insurance by the insured does not waive any of the defenses of governmental immunity available to the insured under Iowa Code Section 670.4 as it now exists and as it may be amended from time to time.
 - g. The company and the insured further agree that this policy of insurance shall cover only those claims not subject to the defense of governmental immunity under Iowa Code Section 670.4 as it now exists and as it may be amended from time to time.
9. **Subrogation**, To the extent that such insurance is in force and collectible and to the extent permitted by law, the City or Utility and Contractor each hereby releases and waives all right of recovery against the other or anyone claiming through or under each of them by way of subrogation or otherwise. The forgoing release and waiver shall apply to damage to contractor's equipment, tools and other personal property as well as automobiles.

IA DOT Section 2307. Bituminous Seal Coat

2307.01 DESCRIPTION.

One or more applications of binder bitumen with one or more successive applications of cover aggregate.

2307.02 MATERIALS.

Use materials meeting the following requirements:

A. Aggregates.

1. Use cover aggregate meeting requirements of [Section 4125](#) for the size designated. Unless designated otherwise, use sand for shoulders and winter seals, and use the 1/2 inch size crushed aggregate for other work. On Primary projects, when 1/2 inch size cover aggregate is specified, use crushed stone or crushed gravel.
2. For each contract, each load of each size of aggregate is to be similar in type and gradation. Source changes require the Engineer's approval.
3. For Primary projects, furnish the aggregate size designated in the contract. Do not use the 1/2 inch size when the 3/8 inch size is designated.

B. Bituminous Material.

Meet the requirements of [Section 4140](#) or [4138](#).

1. Emulsified Asphalt.

Unless specified otherwise in the contract documents, use binder bitumen meeting the requirements for CRS-2P as specified in [Section 4140](#).

2. Cutback Asphalt.

Furnish cutback asphalt with an approved anti-stripping additive as described in [Article 4138.01](#).

3. Asphalt Emulsion for Dust Control.

Use grade CSS-1, CSS-1H, or SS-1H as specified in [Section 4140](#). Dilute with water prior to application. Use an initial dilution rate of seven parts water to one part emulsion.

2307.03 CONSTRUCTION.

A. Equipment.

Use equipment meeting requirements of [Section 2001](#) and the following:

1. Aggregate Spreaders.

- a. Apply [Article 2001.13. B](#), except that, when provided in the contract documents, an aggregate spreader meeting requirements of [Article 2001.13. A](#), may be used.
- b. Equip aggregate spreaders described in [Article 2001.13. B](#), with a scalper or segregator screen (provided by the manufacturer) mounted below the feeder roll. Use scalper screen opening sizes recommended by the spreader manufacturer. When adjusted to the proper angle, the coarse fraction of the aggregate is placed first. Afterwards, the fine fraction is dropped through the screen on top of the larger particles. Adjust the screen angle as necessary on the project. Use of this screen is required.

2. Equipment for Distributing Bitumen.

- a. Apply [Article 2001.12](#).
- b. When emulsion binder bitumen is used, use a distributor spray bar equipped with nozzles (furnished by the distributor manufacturer) which are specifically designed to apply emulsion. Before the work is started, provide the Engineer with a written statement indicating the size or part number of the nozzles recommended, and certifying that these nozzles are installed on the distributor.

3. Brooms.

- a. Apply [Article 2001.14](#).
- b. When using a power broom to remove loose aggregate from a newly seal coated surface, ensure that it is capable of exerting uniform down pressure (for the full width of the broom and without vibration or bounce) sufficient to remove loose aggregate without dislodging particles which are stuck in the binder bitumen.

4. Heating Equipment.

Apply [Article 2001.11](#).

5. Rollers.

- a. Use self propelled, pneumatic tired rollers meeting the requirements of [Article 2001.05. C](#), to embed the cover aggregate.
- b. One pneumatic tired roller will be required for work involving sand cover aggregate.
- c. A minimum of two pneumatic tired rollers will be required for work involving other cover aggregate.

6. Weighing Equipment.

Apply [Article 2001.07](#).

B. Bituminous Seal Coat Construction.

The rates of application for binder bitumen and cover aggregate shown in the contract documents or specified herein are approximate. These rates may be varied as found desirable on the basis of laboratory or field tests.

1. Surface Preparation.

- a. Immediately before bitumen is applied, clean the entire surface to be treated, as well as the adjacent gutters, of all foreign material, including dust.
- b. Blade, clean, and perform incidental work required to produce a clean surface. If the power broom fails to remove dust from depressions and pockets, use hand brooms.
- c. In rural areas, blade or sweep material removed from the road surface off the road surface. In cities and towns, remove the material according to [Article 1104.08](#). This material becomes the property of the Contractor.
- d. Priming, if required, will be specified in the contract documents.

2. Heating Bituminous Materials.

- a. Heat bituminous materials to a temperature which will permit uniform spreading. Temperatures between the limits in Table 2307.03-1 should produce the desired viscosity:

Table 2307.03-1: Bituminous Material Temperatures

Designation	Temperature °F
CRS-1 and 2 and CRS-2P	150-185
MC-800	175-255
MC-3000	215-290
MC-70	145-165
Some temperatures listed may be above the flash point of the material. Use extreme caution when handling to reduce fire hazard.	

- b. Material which has been damaged by overheating will be rejected.

3. Spreading Bituminous Material.

a. General.

- 1) Before spreading bituminous material, ensure the distributor:
 - Complies with recommendations of the manufacturer as to nozzle size, nozzle angle with the **axis** of the spray bar, and spray bar or nozzle height above the road surface.
 - Has been tested to assure uniform bitumen distribution on the road surface at the specified rate.
- 2) Minimize longitudinal overlap of adjacent bitumen applications. Spread between 95% and 105% of the bituminous material the Engineer prescribes. Correct the rate of application for temperature to deliver the desired volume at 60°F.
- 3) Use a suitable covering to protect the items below from being soiled by bitumen. Leave the protective covering in place until the bitumen has set and no splashing occurs under traffic.
 - Curbs and handrails of bridges.
 - Guardrails.
 - Headwalls of culverts.
 - Pavements.
 - Curbs and gutters.
 - Utility accesses.
 - Intakes.
 - Water and gas valves.
 - Railroad flangeways.
 - Other installations requiring protection.
- 4) Place suitable covering, as required, to prevent cover aggregate from entering intakes or other similar structures during placement and while brooming excess cover aggregate.
- 5) Preserve the integrity of areas with rumble strip panels. This may include (at the Contractor's option and subject to the Engineer's approval):
 - Placing a suitable covering over rumble strip panels which prevents filling with bituminous seal coat, or
 - Using hand labor to restore uncovered rumble strip panels.

b. Binder.

- 1) Sweep the surface clean of loose aggregate and foreign material which may prevent adhesion of the binder to the surface on which it is applied. This applies to fillets at intersecting roads and drives only when specified.
- 2) Apply binder bitumen to the surface (including fillets at intersecting roads and drives when specified) at the rates and in the manner the Engineer specifies or designates.
- 3) When traffic must be maintained through the work while construction is in progress and the width is 24 feet or less, place the bituminous seal coat in two passes. For the first course, spread the bitumen for the first lane

approximately 12 inches wider than one-half of the width of the pavement to be surfaced. For other courses, spread the bitumen for each lane approximately one-half the width of the pavement to be surfaced.

- 4) Progress in the direction from which aggregate is to be hauled to the spreader. Complete one side for one day's run before the seal coat is applied on the adjacent lane. Auxiliary lanes may be done on the same day. One side may be completed for the full length of a short project before the seal coat is applied to the other side. It is the intention that the maximum length of road with new seal coat on only one side would be limited to approximately 6 miles. This length may be increased with the Engineer's approval.
- 5) Limit the length of any spread to that which can be covered with aggregate and rolling completed within 30 minutes. Limit the distance between the bitumen distributor and the aggregate spreader to 150 feet. Maintain initial roller coverage as close to the aggregate spreader as possible, not to exceed 200 feet.
- 6) In any case where emulsion is used, cover the binder bitumen with aggregate and initially roll within 2 minutes after the bitumen has been spread. When the 2 minute requirement for emulsion or the 30 minute requirement for all work is not met, the work may be considered not in reasonably close conformity according to [Article 1105.04](#).
- 7) Apply bitumen for winter seals with limitations the Engineer deems appropriate. Apply other binder bitumen only when the road surface is free of moisture and has a temperature no less than 60°F. When the environment places a portion of the pavement in shade, use a shaded area to determine road surface temperature.

c. Joints.

- 1) Secure binder bitumen distribution at the specified rate of application using paper placed at the start of each distributor run. Use commercial grade building paper that is approved by the Engineer and is no less than 36 inches wide.
- 2) When the end of the run joins newly placed seal coat, place paper at that joint also. Cut the joint straight along the off edge of the paper. Remove the seal coat material on the paper adjacent to the off edge from the roadbed surface. Ensure a smooth ride is obtained.

4. Spreading Cover Aggregate.

a. General.

- 1) Use specified mechanical spreaders to spread cover aggregate on the freshly applied bitumen. Avoid spillage or piling of aggregate. Correct spillage or piling using manual methods before rollers cover the area. Do not use the ballast in rollers for spreading aggregate. Vehicles other than those required to deliver aggregate to the spreader will not be permitted to pass over the treated area of the roadbed until after the aggregate has been spread and rolled.
- 2) Fillet surfacing at intersecting roads and drives may be placed subsequent to that on the roadbed itself, but shall promptly follow binder bitumen spreading.

b. Moisture.

At the time of spreading, ensure the surfaces of the cover aggregate are damp, but with no free water. This will be determined by visual inspection.

5. Rolling.

- a. After the aggregate has been spread, promptly roll to secure early aggregate embedment in the bitumen. Complete rolling no later than 30 minutes after the bitumen is spread.
- b. Do not apply succeeding applications of binder bitumen until the most recent one applied as been covered with aggregate and all rolling operations completed.
- c. Satisfactory embedment usually will be secured by one roller coverage of sand cover and five roller coverages of other cover aggregate. One roller coverage is interpreted as the number of passes of the roller required to ensure that the entire area has been touched at least once by the entire roller.
- d. Operate rollers at a speed of no more than 5 mph.

6. One Course Seal Coats.

In addition to requirements of [Articles 2307.03. B.4](#) and [◆](#), apply the following:

a. Spreading Binder Bitumen.

Apply bitumen to the prepared base or surface at the rate the Engineer designates, usually within the ranges of Table 2307.03-2:

Table 2307.03-2: Bitumen Spreading Rates

Aggregate Size	Spreading Rate Gal. per Sq. Yds.	Basic Rate-J Gal. per Sq. Yds.
Sand	0.15-0.20	0.15
3/8 inch	0.25 - 0.35	0.30
1/2 inch	0.35 - 0.45	0.40

(a) The basic rate will be used for design purposes.

b. Spreading Cover Aggregates.

- 1) Uniformly spread cover aggregate of the size specified, over the treated area promptly after the spread of bitumen has been completed on any section.
- 2) Unless otherwise specified, use a rate of 10 pounds per square yard for shoulders, 15 pounds per square yard for winter seals, and 30 pounds per square yard for other applications.

- 3) When bituminous seal coat is placed on two lanes, spread the aggregate for the first lane to a width of 50% of the roadway to be treated.

7. Two Course Seal Coats.

In addition to requirements of [Articles 2307.03, B, 4](#) and [g](#), apply the following:

a. First Course Construction.

1) Spreading Binder Bitumen.

Apply bitumen to the prepared base of surface at the rate of 0.35 gallon per square yard.

2) Spreading Cover Aggregate.

- a) Uniformly spread cover aggregate of the size specified over the treated area at the rate of 30 pounds per square yard promptly after spreading bitumen on any section.
- b) When bituminous seal coat is placed in each lane separately, spread the aggregate for the first lane to a width of 12 inches greater than 50% of the width of the lane to be surfaced.
- c) When the full width is surfaced integrally, spread the aggregate to a width such that the junction of the two aggregate spreads is offset 12 inches from the center of the full width surface.

b. Second Course Construction.

1) Preparation of Roadbed.

- a) After completing the first course, prepare roadbed for the second course by either:

- A vacuum machine, or
- By lightly brooming the full surfaced width with the power broom to remove loose material.

- b) After cleaning, roll the entire surface once with the steel roller.

- c) Complete the preparation of the roadbed in sections just prior to application of bitumen for the second course.

2) Spreading Binder Bitumen.

Spread bitumen on the prepared surface at the rate of 0.30 gallon per square yard.

3) Spreading Cover Aggregate.

- a) Spread cover aggregate of the size specified over the treated area at the rate of 25 pounds per square yard promptly after spreading bitumen on any section of roadbed.
- b) For two lane roadways, place the two aggregate spreads so the seam between the two spreads is near the centerline.

8. Maintenance During Construction Period.

- a. If bleeding occurs during construction, the Engineer may order additional aggregate placed at the contract unit price for cover aggregate. Additional compensation will not be allowed for incidental rolling.
- b. On Primary projects and where specified on other projects, gently sweep the surface free of loose cover aggregate using a rotary broom. Perform this sweeping early the next morning while the bituminous binder is hard and stuck particles will not be disturbed. Other means of removing the loose particles, such as vacuum machines or air blast, may be used with the Engineer's approval.
- c. In areas with curb and gutter sections or storm sewer intakes, in addition to sweeping the surface, collect loose particles and haul them off the project. The Engineer may also designate that loose particles be hauled off the project in additional areas within municipal corporate limits, such as entrances or shallow drainage ditch locations.
- d. The Engineer may require additional sweeping to remove loose cover aggregate from the surface throughout the project duration.
- e. When the contract includes an item for asphalt emulsion for dust control, apply the dust control following the removal of loose particles and before other work continues, according to [Article 2307.03, B, 9](#).

9. Dust Control Treatment.

- a. On Primary Road projects where limestone or crushed gravel cover aggregate is used, apply diluted asphalt emulsion to the completed bituminous seal coat surface to control dust. Uniformly spread diluted asphalt emulsion at the initial rate of 0.12 gallon per square yard.
- b. On non-Primary Road projects, apply dust control as specified in the contract documents.
- c. Apply dust control following the removal of particles and before other work continues. Apply dust control within 24 hours after bituminous seal coat placement unless directed otherwise by the Engineer.
- d. Broom off loose material and apply dust control on the calendar day following placement of bituminous seal coat.

10. Traffic Control.

- a. When the road is not closed for construction, maintain normal traffic on the project. No detour will be provided. Do not delay traffic unnecessarily. Refer to the contract documents for traffic maintenance during work on shoulders of multilane pavements.
- b. Traffic control setups which cause unnecessary stopping or turning movements generally will not be allowed.
- c. Unless otherwise stated in the contract documents, furnish the signs and mounting devices, including posts.
- d. Furnish and install the signs as follows:
 - 1) **"NO PAVEMENT MARKINGS NEXT_ MILES" signs.**
Place at each end of the area where pavement markings have been obliterated, on each side of towns, and on each side of all intersections with Primary and Secondary Roads.
 - 2) **"LOOSE STONE - REDUCE SPEED" signs.**
Place, along with a 35 mph advisory speed plate, approximately 500 feet in advance of the "No Pavement Markings" signs.
 - 3) **"DO NOT PASS" signs.**

- Place on the right-hand side of the road at the beginning of each no-passing zone.
- 4) **"PASS WITH CARE" signs.**
Place on the right hand side of the road at the end of each no-passing zone.
- e. Mount signs on posts.
- f. The Contracting Authority will place new pavement markings and remove the signs when the project is complete.
- g. Provisions for handling other traffic are as follows:
- 1) Direct traffic through restricted portions of the project using pilot cars described in [Article 2528.03, D](#). Furnish pilot cars and pilot car signs.
 - 2) Station one flagger immediately ahead of the application of the bitumen, one immediately behind the bitumen, and one immediately behind the section being rolled. Display suitable warning, speed limit, and fresh oil signs. Move the signs forward with the flagger as the work progresses.
 - 3) After the bituminous seal coat has been spread, smoothed, rolled, and cured for a minimum of 2 hours, the road may be open to traffic.
 - 4) In some areas it is more practical to place the bituminous seal coat in short sections and to allow traffic to use the completed bituminous seal coat immediately after the surface treatment has been completed. In these areas, control traffic on the newly placed bituminous seal coat to a speed of no more than 25 mph for a minimum of 2 hours. The Engineer will specifically authorize such areas. The Engineer may extend the minimum 2 hour period due to low temperature and visually observed damage to the bituminous seal coat under traffic or when turning movements may damage the bituminous seal coat. (The intent of traffic modifications is to not allow traffic on completed bituminous seal coat sections until satisfactorily cured. This requires a minimum of 2 hours, depending on climatic conditions.)

11. Limitations.

- a. The Engineer may prohibit construction if the weather is unfavorable for the embedment of cover aggregate in the binder bitumen as specified in [Article 2307.03, B, 3](#).
- b. Limit the area on which binder is spread to that which can be covered with aggregate, and the rolling completed, within daylight hours of the same working day. When traffic is being carried through the work, keep the entire roadbed free of construction equipment, according to [Article 1107.08](#).
- c. Except for winter seals, do not apply seal coats after September 1 on Primary projects or after September 15 on other projects. When the entire project cannot be completed by the specified cutoff date, do not complete placement on one side only for the full length of the project. Instead, complete both sides to the same location by the specified cutoff date.
- d. When this contract includes pavement marking, complete traffic line construction within 72 hours after the seal coat has been completed to the full width at that location, weather permitting.
- e. When dust control treatment is required, allow it to cure prior to allowing traffic on the roadway.

12. Surfacing Intersecting Roads, Driveways, and Turnouts.

- a. Use seal coat applied at the same rate provided for the roadway to cover the area of any fillets of base courses constructed at driveways to farmsteads and commercial establishments, unless otherwise specified in the contract documents.
- b. Surface remaining areas within the right-of-way on earth or gravel surfaced approach roads and driveways and turnouts for mail boxes according to [Section 2315](#). These areas will be measured and paid for according to [Section 2315](#).

C. Finishing and Opening to Traffic.

Restore to an acceptable condition any portion of the roadway disturbed by operations related to bituminous seal coating. After the bituminous seal coat has been spread, smoothed, rolled, and cured as specified in [Article 2307.03, B](#), the road may be opened to traffic.

2307.04 METHOD OF MEASUREMENT.

Unless otherwise provided, winter seal will not be measured for payment. Measurement for the quantities of the various classes of other work involved in bituminous seal coat, satisfactorily constructed, will be as follows:

A. Aggregate.

Tons, except as provided in this specification, from the net weight of individual loads weighed on scales furnished by the Contractor, according to [Article 2001.07](#). Includes fillets at intersecting roads, drives, and turnouts. At locations where the quantity of aggregate required for a single section of road is less than 300 tons, volume measurement will be permitted.

B. Binder Bitumen.

Gallons computed from field measurements of distributors or from tank cars or transport trucks as provided in [Article 4100.03](#). Includes bitumen for fillets at intersecting roads, drives, and turnouts. When quantities computed from field measurements check within 1.0% of the billed gallons, payment will be based on billed gallons. When quantities computed from field measurements differ from billed gallons by more than 1.0%, payment will be based on the quantity from field measurements. From these quantities, any amount used by the Contractor as fuel, left in cars, or otherwise not delivered to the road surface will be deducted. The Engineer will advise the Contractor promptly, in writing, of the quantities deducted.

C. Driveway Surfacing Material.

Computed as and provided in [Section 2315](#), for granular surfacing placed at intersecting roads, drives, and turnouts. Excavation required for placing this surfacing is considered incidental to the work and will not be measured for payment.

D. Asphalt Emulsion for Dust Control.

Undiluted asphalt emulsion measured as provided in [Article 2307.04, 8](#).

E. Traffic Control.

[Article 2528.04](#) applies.

2307.05 BASIS OF PAYMENT.

For the various items of work involved in bituminous seal coat, measured as provided above, payment will be the contract unit price as described below. Payment for additional rolling the Engineer requires will be according to [Article 1109.03. B](#).

A. Aggregate.

1. Per ton for the number of tons of roadway cover aggregate placed in accepted portions of the work.
2. Payment for roadway cover aggregate is full compensation for furnishing, delivering, and spreading the aggregate, for all brooming, rolling, final cleanup, and incidental work necessary to complete the project and not paid for as other items.

8. Binder Bitumen.

Per gallon for the quantity of binder bitumen spread on accepted portions of the road and the quantity used in making trial runs for adjustment of distributors.

C. Driveway Surfacing Material.

As provided in [Section 2315](#) for the quantity of granular surfacing placed at intersecting roads, drives, and turnouts.

D. Asphalt Emulsion for Dust Control.

1. Per gallon for the number of gallons placed.
2. Payment is full compensation for sweeping, furnishing, mixing with water and applying the asphalt emulsion, and curing of the dust control material.

E. Traffic Control.

[Article 2528.05](#) applies.

Proposed Seal Coat List 2022

- 1st Ave NE 2nd Street to 9th Street 10,050 Sq Yards single seal
- 2nd Street NW 10th Ave to 13th Ave 2,360 Sq Yards double seal
- 2nd Street SW 10th Ave to 13th Ave 2,400 Sq Yards double seal
- 2nd Street SW 10th Ave to 6th Ave 3,200 Sq Yards single seal
- 12th Ave NW West Charles to 2nd Street NW 2,044 Sq Yards single seal
- 7th Street NE North Fredrick to 4th Ave NE 3,820 Sq Yards single seal
- 9th Street NE North Fredrick to 7th Ave NE 5,100 Sq Yards single seal
- 4th Ave NE 6th Street to 9th Street 3,111 Sq Yards single seal
- 8th Street SW South Fredrick to 6th Ave SW 7,555 Sq Yards single seal
- 8th Ave NE 6th Street to 9th Street 3,422 Sq Yards single seal
- 7th Ave NE 6th Street to 9th Street 4,977 Sq Yards single seal
- 1st Ave NW West Charles to Maplewood Drive 9,951 Sq Yards single seal
- 2nd Ave NW West Charles to 6th Street NW 8,666 Sq Yards
- 4th Street NW North Fredrick to 5th Ave NW 6,150 Sq Yards single seal
- 5th Street NW North Fredrick to 3rd Ave NW 4,533 Sq Yards single seal
- West Charles Plaza to Viaduct 4,000 Sq Yards single seal
- 3rd Street SE Rock Island Road to 7th Ave SE 6,500 Sq Yards single seal
- 4th Street SE 2nd Ave to 7th Ave 5,688 Sq Yards single seal
- North Parking Lot 8,000 Sq Yards single seal
- South Parking Lot 8,800 Sq Yards single seal
- Old City Hall parking Lot 950 Sq Yards single seal
- Imoehl Parking Lot 3055 Sq Yards single seal
- City Hall Parking Lot 2,333 Sq Yards single seal
- Downtown Alleys 7,488 Sq Yards

Honorable Mayor
City Council,
Oelwein, Iowa



16 North Taft Street
PO Box 632 - Humboldt, IA 50548
(515)332-4208 office • (515)332-3653 fax

Oelwein, Iowa

No.	Street	Type of Work	From	To	Size	Sq. Yards	Patch	Cost
			SEAL COAT IMPROVEMENTS -					
			CITY OF OELWEIN					
			Project @ specifications 5-26-22					
		SEAL COATING	Approximately	112,799 square yards				
			of road surface	for Seal Coat.				
			Per Specifications:	MC-3000 Asphalt				
			and 3/8" washed chips	from Morgan Quarry @				
				Single Seal Coat @				\$2.075 / SY
				Double Seal Coat @				\$4.11 / SY
		Asphalt	"OPTIONAL" - PREP	Hot Mix Patching				
		Hot Mix	@ Approximately	300 Tons Hot Mix Asphalt				
		Patching	In Place and	Compacted. We will complete @				\$188.95 Per TON!

Respectfully Submitted &

Measured by: Mark J. Steffen #319-404-7770

Date: June 7, 2022

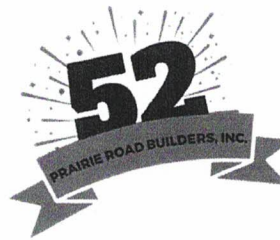
Accepted by: _____

Date: _____



Prairie Road Builders, Inc.
 114 Main St.
 PO Box 210
 Hazleton, IA 50641-0210
 Phone # 319-636-2106

prb@kluesnerconstruction.com
 Fed ID 42-0950876 IA Contractors #C099820



Proposal

Date	Proposal No.
6/6/2022	22-45

Submit To:
 City of Oelwein
 20 Second Avenue SW
 Oelwein, IA 50662-2241

Phone	Fax
319-283-5440	319-283-4032

Description

We hereby submit specifications and estimates for:

2022 Seal Coat Improvements:

- City Streets\$2.36/sq yd
- City Alleys\$2.38/sq yd
- City Parking Lots\$2.44/sq yd
- Prep work with Cold Patch\$228.00/ton

Note: These prices are good for a minimum of 82,000 sq yds

Note: City to furnish Contractor with "Iowa Construction Sales Tax Exemption Certificate and Authorization Letter".

Payment to be made as follows: In full at next Council meeting following completion of project.

Acceptance of proposal: The above price, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be outlined above.

Randy Kramer
 PRB Authorized Signature

Signature _____

Signature _____