




**PUBLIC WORKS AND
ENGINEERING DEPARTMENT**

1111 Joseph J. Schwab Road
Des Plaines, IL 60016
P: 847.391.5464
desplainesil.gov

MEMORANDUM

Date: April 23, 2026

To: Dorothy Wisniewski, City Manager

From: Jason Ostrowski, Superintendent 

Cc: Timothy Watkins, Director of Public Works and Engineering
Thomsas Bueser, Assistant Director of Public Works

Subject: Bid Award – 2026 Fiberized Asphalt Crack Sealing Program

Issue: The approved 2026 budget includes funds for the fiberized asphalt crack sealing program. Two bids for this project were received on April 2, 2026.

Analysis: The Public Works and Engineering Department annually conducts an evaluation of local road conditions and determines the roads most suitable for sealing maintenance. The bid specifications require vendors to provide unit prices for sealing asphalt cracks per lineal foot of sealant material applied and traffic control measures. The bids received are shown in the tabulation below:

Company	Traffic Control	Unit Price per Lineal Foot
Denler, Inc	\$500.00	\$0.278
SKC Construction	\$6751.00	\$0.288

Denler, Inc. submitted the lowest comparable bid for this contract, is a responsible bidder, and has worked for the City in previous years doing similar work with positive results.

Recommendation: We recommend awarding the 2026 Asphalt Crack Sealing-Fiberized Program contract to Denler Inc, 20502 Cherry Hill Road, Joliet, IL, 60433, per unit prices submitted in the not to exceed amount of \$100,000. Funding for this project will be the Motor Fuel Tax funds, Other Services account (230-00-000-0000.6160).

Attachments:
Resolution R-119-26
Exhibit A – Contract

CITY OF DES PLAINES

RESOLUTION R - 119 - 26

A RESOLUTION APPROVING AN AGREEMENT WITH DENLER, INC. FOR THE 2026 ASPHALT CRACK SEALING-FIBERIZED PROGRAM.

WHEREAS, Article VII, Section 10 of the 1970 Illinois Constitution authorizes the City to contract with individuals, associations, and corporations in any manner not prohibited by law or ordinance; and

WHEREAS, the City has appropriated funds in the Motor Fuel Tax Fund for use by the Public Works and Engineering Department during the 2026 fiscal year for the 2026 Asphalt Crack Sealing-Fiberized Program (collectively, the "**Project**"); and

WHEREAS, pursuant to Chapter 10 of Title 1 of the of the City of Des Plaines City Code and the City's purchasing policy, the City issued an invitation for bids for the Project; and

WHEREAS, the City received two bids, which were opened on April 2, 2026; and

WHEREAS, Denler, Inc. ("**Vendor**") submitted the lowest responsible bid for the Project; and

WHEREAS, the City desires to enter into an agreement with Vendor for the Project in the not-to-exceed amount of \$100,000 ("**Agreement**"); and

WHEREAS, the City Council has determined that it is in the best interest of the City to enter into the Agreement with Vendor for the Project in the not-to-exceed amount of \$100,000;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Des Plaines, Cook County, Illinois, in the exercise of its home rule powers, as follows:

SECTION 1: RECITALS. The foregoing recitals are incorporated into, and made a part of, this Resolution as findings of the City Council.

SECTION 2: APPROVAL OF AGREEMENT. The City Council hereby approves the Agreement with Vendor in substantially the form attached to this Resolution as **Exhibit A**, and in a final form to be approved by the General Counsel.

SECTION 3: AUTHORIZATION TO EXECUTE AGREEMENT. The City Council hereby authorizes and directs the Mayor and the City Clerk to execute and seal, on behalf of the City, the final Agreement.

SECTION 4: EFFECTIVE DATE. This Resolution shall be in full force and effect from and after its passage and approval according to law.

PASSED this ____ day of _____, 2026.

APPROVED this ____ day of _____, 2026.

VOTE: AYES ____ NAYS ____ ABSENT ____

MAYOR

ATTEST:

Approved as to form:

CITY CLERK

Peter M. Friedman, General Counsel

DP-Resolution Approving Agreement for 2026 Asphalt Crack Sealing Contract with Denler



Contractor's Name

Denler, Inc.

Contractor's Address

20502 S. Cherry Hill Rd.

City

Joliet

State

IL

Zip Code

60433

STATE OF ILLINOIS

Local Public Agency

CITY OF DES PLAINES

County

Cook

Section Number

26-00000-05-GM

Street Name/Road Name

VARIOUS LOCATIONS

Type of Funds

MFT

CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

--	--

Submitted/Approved

County Engineer/Superintendent of Highways

Date

--	--

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

--	--

Official Title

MAYOR

Department of Transportation

Concurrence in approval of award

Regional Engineer Signature

Date

--	--

Local Public Agency	Local Street/Road Name	County	Section Number
CITY OF DES PLAINES	VARIOUS LOCATIONS	Cook	26-00000-05-GM

1. THIS AGREEMENT, made and concluded the 4th day of May 2026 between the City of Des Plaines, known as the party of the first part, and Denler, Inc., its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 25-00000-05-GM in CITY OF DES PLAINES, approved by the Illinois Department of Transportation on _____, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The City of Des Plaines

Clerk	Date

Party of the First Part	Date
By:	

(SEAL)

(If a Corporation)

Corporate Name
<u>Denler, Inc.</u>

President, Party of the Second Part	Date
By:	

(SEAL)

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part
By:

(If a Partnership)

Partner	Date

Attest:

Secretary	Date

Partner	Date

(SEAL)

Partners doing Business under the firm name of
Party of the Second Part

--

(If an individual)

Party of the Second Part	Date

CITY OF DES PLAINES

CONTRACT FOR

2026 Asphalt Crack Sealing-Fiberized MFT-26-00000-05-GM

Full Name of Bidder Denler, Inc. ("Bidder")
Principal Office Address 20502 S. Cherry Hill Rd., Joliet, IL 60433
Local Office Address same
Contact Person David J. Denler Telephone Number 708-479-5005

TO: City of Des Plaines ("Owner")
1420 Miner Street
Des Plaines, Illinois 60016
Attention: none

Bidder warrants and represents that Bidder has carefully examined the Work Site described below and its environs and has reviewed and understood all documents included, referred to, or mentioned in this bound set of documents, including Addenda Nos. [if none, write "NONE"], which are securely stapled to the end of this Contract.

consistent therewith, with only new, undamaged, and first quality equipment, materials, and supplies.

B. Performance Standards. If this Contract is accepted, Bidder proposes and agrees that all Work shall be fully provided, performed, and completed in accordance with the specifications attached hereto and by this reference made a part of this Contract. No provision of any referenced standard, specification, manual or code shall change the duties and responsibilities of Owner or Bidder from those set forth in this Contract.

1. Work Proposal

A. Contract and Work. If this Contract is accepted, Bidder proposes and agrees that Bidder shall, at its sole cost and expense, provide, perform, and complete, in the manner specified and described, and upon the terms and conditions set forth, in this Contract and Owner's written notification of acceptance in the form included in this bound set of documents, all of the following, all of which is herein referred to as the "Work":

- 1. Labor, Equipment, Materials and Supplies. Provide, perform, and complete, in the manner specified and described in this Contract/Proposal, all necessary work, labor, services, transportation, equipment, materials, supplies, information, data, and other means and items necessary for the 2026 Asphalt Crack Sealing-Fiberized-Program-MFT-26-00000-05-GM within the City of Des Plaines designated areas;
2. Permits. Procure and furnish all permits, licenses, and other governmental approvals and authorizations necessary in connection therewith;
3. Bonds and Insurance. Procure and furnish all bonds and all insurance certificates and policies of insurance specified in this Contract;
4. Taxes. Pay all applicable federal, state, and local taxes;
5. Miscellaneous. Do all other things required of Bidder by this Contract; and
6. Quality. Provide, perform, and complete all of the foregoing in a proper and workmanlike manner, consistent with highest standards of professional and construction practices, in full compliance with, and as required by or pursuant, to this Contract, and with the greatest economy, efficiency, and expedition

C. Responsibility for Damage or Loss. If this Contract is accepted, Bidder proposes and agrees that Bidder shall be responsible and liable for, and shall promptly and without charge to Owner repair or replace, damage done to, and any loss or injury suffered by, Owner, the Work, the Work Site, or other property or persons as a result of the Work.

D. Inspection/Testing/Rejection. Owner shall have the right to inspect all or any part of the Work and to reject all or any part of the Work that is, in Owner's judgment, defective or damaged or that in any way fails to conform strictly to the requirements of this Contract and Owner, without limiting its other rights or remedies, may require correction or replacement at Bidder's cost, perform or have performed all Work necessary to complete or correct all or any part of the Work that is defective, damaged, or nonconforming and charge Bidder with any excess cost incurred thereby, or cancel all or any part of any order or this Contract. Work so rejected may be returned or held at Bidder's expense and risk.

2. Contract Price Proposal

If this Contract is accepted, Bidder proposes, and agrees, that Bidder shall take in full payment for all Work and other matters set forth under Section 1 above, including overhead and profit; taxes, contributions, and premiums; and compensation to

all subcontractors and suppliers, the compensation set forth below.

A. Schedule of Prices. For providing, performing, and completing all Work, the

TOTAL CONTRACT PRICE (in numbers):

\$ 56,100.00

B. Basis for Determining Prices. It is expressly understood and agreed that:

1. All prices stated in the Schedule of Prices are firm and shall not be subject to escalation or change;

2. Owner is not subject to state or local sales, use, and excise taxes, that no such taxes are included in the Schedule of Prices, and that all claim or right to claim any additional compensation by reason of the payment of any such tax is hereby waived and released; and

3. All other applicable federal, state, and local taxes of every kind and nature applicable to the Work are included in the Schedule of Prices; and

4. The approximate quantities set forth in the Schedule of Prices for each Unit Price Item are Owner's estimate only, that Owner reserves the right to increase or decrease such quantities, that payment for each Unit Price Item shall be made only on the actual number of acceptable units of such Unit Price Item installed complete in place in full compliance with this Contract/Proposal, and that all claim or right to dispute or complain of any such estimated quantity, or to assert that there was any misunderstanding in regard to the nature or amount of any Unit Price Item to be provided or performed, is hereby waived and released; and

5. Any items of Work not specifically listed or referred to in the Schedule of Prices, or not specifically included for payment under any Unit Price Item, shall be deemed incidental to the Contract Price, shall not be measured for payment, and shall not be paid for separately except as incidental to the Contract Price, including without limitation extraordinary equipment repair, the cost of transportation, packing, cartage, and containers, the cost of preparing schedules and submittals, the cost or rental of small tools or buildings, the cost of utilities and sanitary conveniences, and any portion of the time of Bidder, its superintendents, or its office and engineering staff.

C. Time of Payment. It is expressly understood and agreed that all payments shall be made in accordance with the following schedule:

Bidder will invoice Owner for all Work completed, and Owner will pay Bidder all undisputed amounts no later than 45 days after receipt by Owner of each invoice.

All payments may be subject to deduction or setoff by reason of any failure of Bidder to perform under this Contract/Proposal. Each payment shall include Bidder's certification of the value of, and partial or final waivers of lien covering, all Work for which payment is then requested and Bidder's certification that all prior payments have been properly

applied to the payment or reimbursement of the costs with respect to which they were paid.

3. Contract Time

If this Contract is accepted, Bidder proposes and agrees that Bidder shall commence the Work within 10 days after Owner's acceptance of the Contract provided Bidder shall have furnished to Owner all bonds and all insurance certificates and policies of insurance specified in this Contract (the "Commencement Date"). If this Contract is accepted, Bidder proposes and agrees that Bidder shall perform the Work diligently and continuously and shall complete the Work not later than September 1, 2026.

Owner may terminate this Contract/Proposal at its convenience by providing Bidder 30 days advance written notice thereof. At all times during the Term and any Renewal Term, Bidder proposes and agrees that Bidder shall perform the Work diligently and continuously and shall complete the Work in accordance with this Contract/Proposal, as directed by Owner, and more fully described in Attachment A.

If, at any time during the term of the Contract, the Owner determines that the Work is not being completed by Bidder in full compliance with specifications and as required by or pursuant to this Contract, then Owner may, after providing Bidder with notice of such deficiency in performance and providing Bidder with one (1) business days to cure such deficiency, invoke its remedies under this Contract or may, in Owner's sole and absolute discretion, permit Bidder to complete the Work but charge to Bidder, and deduct from any payments to Bidder under this Contract, whether or not previously approved, administrative expenses and costs for each day completion of the Work is delayed beyond the Completion Date, computed on the basis of the following per diem administrative charge, as well as any additional damages caused by such delay:

Per Diem Administrative Charge:

\$ 250.00 per day/occurrence

A second occurrence of a specific deficiency in performance shall automatically trigger Bidder's obligation to pay the Per Diem Administrative Charge. Any Per Diem Administrative Charges assessed against Bidder will be deducted from any funds owed by Owner to Bidder.

4. Financial Assurance

A. Bonds. If this Contract is accepted, Bidder proposes and agrees that Bidder shall provide a Performance Bond and a Labor and Material Payment Bond, on forms provided by, or otherwise acceptable to, Owner, from a surety company acceptable to Owner, each in the penal sum of the Contract Price, within 10 days after Owner's acceptance of this Contract.

B. Insurance. If this Contract is accepted, Bidder proposes and agrees that Bidder shall provide certificates and policies of insurance evidencing the minimum insurance coverage and limits set forth below within 10 days after Owner's acceptance of this Contract. Such insurance shall be in form, and from companies, acceptable to Owner and shall name Owner, including its Council members and elected and

appointed officials, its officers, employees, agents, attorneys, consultants, and representatives, as an Additional Insured. The insurance coverage and limits set forth below shall be deemed to be minimum coverage and limits and shall not be construed in any way as a limitation on Bidder's duty to carry adequate insurance or on Bidder's liability for losses or damages under this Contract. The minimum insurance coverage and limits that shall be maintained at all times while providing, performing, or completing the Work are as follows:

1. Workers' Compensation and Employer's Liability

Limits shall not be less than:

Worker's Compensation: Statutory

Employer's Liability: \$500,000 each accident-injury; \$500,000 each employee-disease; \$500,000 disease-policy.

Such insurance shall evidence that coverage applies to the State of Illinois and provide a waiver of subrogation in favor of Owner.

2. Commercial Motor Vehicle Liability

Limits for vehicles owned, non-owned or rented shall not be less than:

\$1,000,000 Bodily Injury and Property Damage Combined Single Limit

3. Commercial General Liability

Limits shall not be less than:

\$1,000,000 Bodily Injury and Property Damage Combined Single Limit.

Coverage is to be written on an "occurrence" basis.
Coverage to include:

- Premises Operations
- Products/Completed Operations
- Independent Contractors
- Personal Injury (with Employment Exclusion deleted)
- Broad Form Property Damage Endorsement
- "X," "C," and "U"
- Contractual Liability

Contractual Liability coverage shall specifically include the indemnification set forth below.

4. Umbrella Liability

Limits shall not be less than:

\$2,000,000 Bodily Injury and Property Damage Combined Single Limit.

This Coverage shall apply in excess of the limits stated in 1, 2, and 3 above.

C. Indemnification. If this Contract is accepted, Bidder proposes and agrees that Bidder shall indemnify, save harmless, and defend Owner against all damages, liability,

claims, losses, and expenses (including attorneys' fees) that may arise, or be alleged to have arisen, out of or in connection with Bidder's performance of, or failure to perform, the Work or any part thereof, or any failure to meet the representations and warranties set forth in Section 6 of this Contract.

D. Penalties. If this Contract is accepted, Bidder proposes and agrees that Bidder shall be solely liable for any fines or civil penalties that are imposed by any governmental or quasi-governmental agency or body that may arise, or be alleged to have arisen, out of or in connection with Bidder's performance of, or failure to perform, the Work or any part thereof.

5. Firm Contract

All prices and other terms stated in this Contract are firm and shall not be subject to withdrawal, escalation, or change provided Owner accepts this Contract within 45 days after the date the bidder's contract proposal is opened.

6. Bidder's Representations and Warranties

To induce Owner to accept this Contract, Bidder hereby represents and warrants as follows:

A. The Work. The Work, and all of its components, (1) shall be of merchantable quality; (2) shall be free from any latent or patent defects and flaws in workmanship, materials, and design; (3) shall strictly conform to the requirements of this Contract, including without limitation the performance standards set forth in Section 1B of this Contract; and (4) shall be fit, sufficient, and suitable for the purposes expressed in, or reasonably inferred from, this Contract and the warranties expressed herein shall be in addition to any other warranties expressed or implied by law, which are hereby reserved unto Owner. Bidder, promptly and without charge, shall correct any failure to fulfill the above warranty at any time within two years after final payment or such longer period as may be prescribed in the performance standards set forth in Section 1B of this Contract or by law. The above warranty shall be extended automatically to cover all repaired and replacement parts and labor provided or performed under such warranty and Bidder's obligation to correct Work shall be extended for a period of two years from the date of such repair or replacement. The time period established in this Section 6A relates only to the specific obligation of Bidder to correct Work and shall not be construed to establish a period of limitation with respect to other obligations that Bidder has under this Contract.

B. Compliance with Laws. The Work, and all of its components, shall be provided, performed, and completed in compliance with, and Bidder agrees to be bound by, all applicable federal, state, and local laws, orders, rules, and regulations, as they may be modified or amended from time to time, including without limitation the Illinois Prevailing Wage Act, 820 ILCS 130/0.01 et seq. and any other prevailing wage laws; any statutes requiring preference to laborers of specified classes; the Illinois Steel Products Procurement Act, 30 ILCS 565/1 et seq.; any statutes prohibiting discrimination because of, or requiring affirmative action based on, race, creed, color, national origin, age, sex, or other prohibited classification; and any statutes regarding safety or the performance of the Work.

C. Prevailing Wage Act. This Contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/0.01 et seq. (the "Act"). If the Illinois Department of Labor revises the prevailing rate of hourly wages to be paid, the revised rate will apply to this Contract. Bidder and any subcontractors rendering services under this Contract must comply with all requirements of the Act, including but not limited to, all wage, notice, and record-keeping duties and certified payrolls.

D. Not Barred. Bidder is not barred by law from contracting with Owner or with any other unit of state or local government as a result of (i) a violation of either Section 33E-3 or Section 33E-4 of Article 33 of the Criminal Code of 1961, 720 ILCS 5/33E-1 et seq.; or (ii) a violation of the USA Patriot Act of 2001, 107 Public Law 56 (October 26, 2001) (the "Patriot Act") or other statutes, orders, rules, and regulations of the United States government and its various executive departments, agencies and offices related to the subject matter of the Patriot Act, including, but not limited to, Executive Order 13224 effective September 24, 2001. Bidder is not acting, directly or indirectly, for or on behalf of any person, group, entity or nation named by the United States Treasury Department as a Specially Designated National and Blocked Person, or for or on behalf of any person, group, entity or nation designated in Presidential Executive Order 13224 as a person who commits, threatens to commit, or supports terrorism; and Bidder is not engaged in this transaction directly or indirectly on behalf of, or facilitating this transaction directly or indirectly on behalf of, any such person, group, entity or nation.

E. Qualified. Bidder has the requisite experience minimum of 5 years, ability, capital, facilities, plant, organization, and staff to enable Bidder to perform the Work successfully and promptly and to commence and complete the Work within the Contract Price and Contract Time set forth above. Bidder warrants and represents that it has met and will meet all required standards set forth in Owner's Responsible Bidder Ordinance M-7-20, including, without limitation, The bidder actively participates, and has actively participated for at least 12 months before the date of the bid opening, in apprenticeship and training programs approved and registered with the United States department of labor bureau of apprenticeship and training for each of the trades of work contemplated under the awarded contract for all bidders and subcontractors. For the purposes of this subsection, a bidder or subcontractor is considered an active participant in an apprenticeship and training program if all eligible employees have either: (i) completed such a program, or (ii) were enrolled in such a program prior to the solicitation date and are currently participating in such program." performing Work under this Contract.

7. Acknowledgements

In submitting this Contract, Bidder acknowledges and agrees that:

A. Reliance. Owner is relying on all warranties, representations, and statements made by Bidder in this Contract.

B. Reservation of Rights. Owner reserves the right to reject any and all proposals, reserves the right to reject the low

price proposal, and reserves such other rights as are set forth in the Instructions to Bidders.

C. Acceptance. If this Contract is accepted, Bidder shall be bound by each and every term, condition, or provision contained in this Contract and in Owner's written notification of acceptance in the form included in this bound set of documents.

D. Remedies. Each of the rights and remedies reserved to Owner in this Contract shall be cumulative and additional to any other or further remedies provided in law or equity or in this Contract.

E. Time. Time is of the essence for this Contract and, except where stated otherwise, references in this Contract to days shall be construed to refer to calendar days.

F. No Waiver. No examination, inspection, investigation, test, measurement, review, determination, decision, certificate, or approval by Owner, whether before or after Owner's acceptance of this Contract; nor any information or data supplied by Owner, whether before or after Owner's acceptance of this Contract; nor any order by Owner for the payment of money; nor any payment for, or use, possession, or acceptance of, the whole or any part of the Work by Owner; nor any extension of time granted by Owner; nor any delay by Owner in exercising any right under this Contract; nor any other act or omission of Owner shall constitute or be deemed to be an acceptance of any defective, damaged, or nonconforming Work, nor operate to waive or otherwise diminish the effect of any representation or warranty made by Bidder; or of any requirement or provision of this Contract; or of any remedy, power, or right of Owner.

G. Severability. The provisions of this Contract/ Proposal shall be interpreted when possible to sustain their legality and enforceability as a whole. In the event any provision of this Contract shall be held invalid, illegal, or unenforceable by a court of competent jurisdiction, in whole or in part, neither the validity of the remaining part of such provision, nor the validity of any other provisions of this Contract shall be in any way affected thereby.

H. Amendments. No modification, addition, deletion, revision, alteration, or other change to this Contract shall be effective unless and until such change is reduced to writing and executed and delivered by Owner and Bidder, except that Owner has the right, by written order executed by Owner, to make changes in the Work ("Change Order"). If any Change Order causes an increase or decrease in the amount of the Work, then an equitable adjustment in the Contract Price or Contract Time may be made. No decrease in the amount of the Work caused by any Change Order shall entitle Bidder to make any claim for damages, anticipated profits, or other compensation.

I. Assignment. Neither this Contract, nor any interest herein, shall be assigned or subcontracted, in whole or in part, by Bidder except upon the prior written consent of Owner.

J. Governing Law. This Contract, and the rights of the parties under this Contract shall be interpreted according to the internal laws, but not the conflict of law rules, of the State of Illinois. Every provision of law required by law to be inserted into this Contract/Proposal shall be deemed to be inserted herein.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
CRACK FILLING BITUMINOUS PAVEMENT WITH FIBER-ASPHALT

Effective: October 1, 1991
Revised: January 1, 2007

All references to Section or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation

Filling Cracks (Flexible Pavement). This work consists of cleaning and filling transverse and longitudinal joints and cracks in existing bituminous flexible pavement with fiber modified asphalt cement as shown in the plan details, as directed by the Engineer, and as described herein.

Materials. Materials shall meet the requirement of the following Articles of Section 1000 – Materials:

Item	Article
(a) Bituminous Materials (Note 1).....	1032.01-1032.05

Note 1 - Asphalt cement shall be PG 58-28, PG 58-22, or PG 64-22.

Fibers should be short cut polypropylene fibers meeting the properties listed below:

Length,	mm:	8 - 12
Denier	:	13 - 16
Crimps	:	None
Tensile Strength, minimum,	MPa (psi):	275 (40,000)
Specific Gravity (typical)	:	0.91
Moisture Regain @ 21 °C (70 °F) and 65% RH (typical)	%:	0.1

The fiber may be accepted on certification from the manufacturer that it meets the specified requirements.

Equipment. An oil jacketed double wall kettle equipped with an agitator (reversing rotary auger action) and separate thermometers for the oil bath and mixing chamber will be required. The unit shall also be equipped with a reversible hydraulic 50 mm (2 inch) hot asphalt pump and a recirculating pump to circulate the oil bath. An air compressor capable of producing a minimum 620 kPa (90 psi) at the end of the discharge hose will be required.

Preparation of Mixture. The fiber modified asphalt cement or fiber-asphalt shall consist of a minimum of 8.0% by weight fiber in the fiber-asphalt mixture. Operating temperatures in the kettle shall be between 124 and 141 °C (255 and 285 °F). The temperature shall never exceed 143 °C (290 °F) as the fibers will melt into the asphalt cement.

Construction Methods. The fiber-asphalt filler shall be applied only when the joints and cracks are dry and free of dirt, vegetation, debris and loose filler. The joints and cracks shall be blown out with the 620 kPa (90 psi) compressed air. The blowing out operations shall be kept close to the filling operations to prevent debris being carried back into the cracks before filling. Routing will not be required. A hot compressed air lance meeting the approval of the engineer may be used to clean the cracks.

The fiber-asphalt filler shall be applied using a pressurized wand delivery system with such devices as necessary to fill the cracks and form a nominal 3 mm (0.125 inch) thick by 75 mm (3 inch) wide overseal band centered so that the center of the 75 mm (3 inch) wide band is within 25 mm (1 inch) of the crack. The fiber-asphalt filler shall be applied taking care to not use excessive material in either thickness or location. The engineer will determine the extent that fine cracks are filled. Care should be taken to not place filler on top of pavement markings, manholes and drainage castings.

The ambient temperature during filling shall be above 4 °C (40 °F) and below 29 °C (85 °F). The filler must cure before being opened to traffic. The contractor may use fine sand, mineral filler or portland cement to dust the filler if necessary to more quickly open the road to traffic. Dusting will be considered incidental.

A technical representative from the fiber manufacturer shall be available for initial filling work. Any suggestions or recommendations shall be submitted to the Engineer for approval.

Method of Measurement. Filling of cracks will be measured for payment in kilograms (pounds) of fiber-asphalt used.

Basis of Payment. This work will be paid for at the contract unit price per kilogram (pound) of FIBER-ASPHALT. The unit price shall include the cleaning of the joints and cracks and the furnishing and placing of the filler.

SPECIFICATIONS

- Crack Sealing Asphalt Pavement: This work shall be done in accordance with the latest edition of Section 451 of the Standard Specification for Road and Bridge Construction except as amended or modified herein.
 1. The Contractor shall be responsible for sweeping and cleaning streets to make sure the street surface is in an acceptable condition after crack sealing. The Contractor shall clean the driveways and lawns of all loose materials and debris at the end of each day's operation. All loose material and debris ground/evacuated from the cracks shall be removed from the pavement surface by means of mechanical sweepers or hand brooms within 72 hours. Contractor is responsible for satisfactory removal and disposal of all waste generated from the work. Pricing for sweeping/cleaning of streets after crack sealing will be included in the unit pricing.

STREET SWEEPING:

The Contractor shall be responsible for sweeping and cleaning streets to make sure the street surface is in an acceptable condition before and after crack filling. The Contractor shall clean the residents' driveway pavement, apron and lawn of all loose materials and debris at the end of each day's operation and as required at other times. All loose material and debris evacuated from the cracks shall be removed from the pavement surface by means of mechanical sweepers or hand brooms within 72 hours. This work is included in the payment for CRACKFILLING-FIBERIZED.

DISPOSAL OF DEBRIS, EXCESS MATERIALS AND EXCAVATED OR REMOVED MATERIALS:

The Contractor shall be responsible for satisfactory removal and disposal of all waste material, asphalt, concrete, stone, dirt, or debris generated in the course of the work. Removal and disposal of surplus, unstable, and unsuitable materials and organic waste shall follow Section 202 of the Standard Specifications. All removal or excavation items being disposed of at a landfill or clean construction and demolition debris (CCDD) fill site shall meet the requirements of Public Act 96-1416 and Section 107 of the Standard Specifications. All costs associated with meeting these requirements shall be included in the unit price cost for the associated removal or excavation items in the contract. These costs shall include but are not limited to all required testing, lab analysis, certification by a licensed professional engineer, and State or Local tipping fees.

The Contractor shall load the removed pieces of curb and gutter, sidewalk, driveway and street pavements, etc., directly onto trucks, haul it away, and dispose of it. The temporary storing of excavated materials on the parkways, and rehandling them later for disposal will not be allowed due to additional damage caused to tree root systems, parkways, existing equipment, and conditions. It shall be the Contractor's responsibility to find an approved dumpsite for debris and any excavated materials. The City will not provide for one. The stockpiling of excavated or backfill material within the roadway overnight shall not be permitted.

MATERIAL INSPECTION AND TESTING:

No material of any kind shall be used until it has been approved by the City. All material used shall meet the requirements of IDOT and as outlined in these specifications.

Samples of material will be collected in the field at random for laboratory analysis. The sampling and testing will be in accordance with the Provisions of Article 106.03 and 106.04 of the Standard Specifications.

The Contractor shall provide the City with letters of certification from each supplier that all materials used in the project comply with the Standard Specifications and Special Provisions indicated. Final payment will not be made until all letters of certification have been received.

JOINT & CRACKFILL - (FIBERIZED SEALANT):

This item of work shall consist of furnishing all labor, equipment, and materials for cleaning and waterproofing miscellaneous cracks and transverse and longitudinal cracks using asphalt reinforced with polypropylene fiber.

Materials:

The joint/crack sealant shall consist of a mixture of 8.0% minimum by weight polypropylene fibers with liquid asphalt cement. **The use of ready-mixed fiberized asphalt blocks shall not be permitted.** The asphalt cement shall be PG 64-22 conforming to AASHTO MP1 with a penetration range of 60 to 100.

Fibers shall be short cut polypropylene fibers, and a certificate from the supplier showing that the fibers meet the physical properties listed below shall be required.

Length	8-12 mm
Denier	13-16
Crimps:	None
Tensile Strength:	275 MPa (40,000 psi), minimum
Specific Gravity:	0.91 (typical)
Moisture Regain @ 70°F and 65% RH:	0.1% (typical)

Preparation of Mixture:

The sealant materials shall be combined in an oil jacketed double wall kettle (minimum 1350L (350 Gal.) capacity) equipped with an agitator (reversing rotary auger action), separate thermometers for the oil bath and mixing chamber. The unit shall also be equipped with a reversible hydraulic 50mm (2") hot asphalt pump and a recirculating pump to circulate the oil bath. Operating temperature in the kettle should be 124-141°C (255-285°F), and should never exceed 143°C (290°F). At the time of placement of the mixture, the surfaces to be sealed shall be dry, and the ambient temperature shall be above 4°C (40°F), and less than 29°C (85°F). If work is in progress and the ambient temperature reaches 29°C (85°F), the work must stop.

Construction Methods:

Any cracks, voids or joints less than 2" (50 mm) in width shall be filled and sealed as described hereafter. Any cracks and joints greater than 2" (50 mm) shall not be sealed without the approval of the Engineer. Curblin joints may or may not be sealed in contract work.

The crackfill membrane shall be applied only when the joints and cracks and adjacent pavement surfaces are dry and free of dirt, vegetation, debris and loose sealant. Physical routing of cracks to provide a square cut reservoir will generally not be required. All cracks and joints to be sealed shall be cleaned by air blasting, hand tools, wire wheel, and/or by other methods approved by the Engineer to remove all foreign material for proper bonding of the sealant. The sealing material shall be applied to form a water-proofing, stress absorbing membrane centered within 1' (25 mm) of the crack or joint.

The mixture shall be installed under high pressure 100° PSI (689 kPa) directly into and over the crack or joint. The crack shall be completely filled to its full depth and a membrane 1/8 ± 1/16 inch (3.18mm ± 1.59 mm) thick by 3" (76 mm) wide (nominal measurements) shall be formed on the surface of the pavement.

The Contractor is strongly cautioned against the excessive use of crackfill material in either thickness or location. If the City determines that sealant is being improperly applied or

wasted, then a quantity of 2 pounds of Fiberized joint sealer, per foot of errant sealant applied, shall be deducted from payments due the Contractor. In addition, the Contractor shall be responsible and will not be paid for any material placed in excess of 103% of the historic application rates of 0.18 pounds per square yard for streets designated as a Light application, 0.25 pounds per square yard for Medium application and 0.35 pounds per square yard for Heavy application.

The sealant material shall be placed with special care such that the material does not come into contact with any manhole, appurtenance frame, lid or any thermoplastic pavement markings. The Contractor shall immediately remove any misplaced sealant and clean the frame or replace any pavement markings damaged at the Contractor's sole expense. Repairs shall be to the complete satisfaction of the Engineer. Should the Contractor choose not to repair the damage, then the Engineer may order the work to be done by others, the cost of such work to be deducted from payments due the Contractor.

Traffic shall not be allowed on the sealant until properly cured. The sealant shall be dusted with fine aggregate (F A-6) if the ambient temperature is greater than 24°C (75°F), and it is necessary to open the road immediately.

The Contractor shall obtain a weight certification each day and shall submit the documentation to the Engineer by the end of each day. The Contractor shall perform a yield check each day, comparing the results to the estimated amount of sealant provided in these specifications. The Contractor shall submit the results of the yield check to the Roadway Foreman or his/her designee at the end of each day. Work shall not begin each day until all weight certifications and the yield check for the previous day's work have been submitted to the Engineer.

Payment for this item of work shall constitute full compensation for furnishing, hauling, preparing, and placing materials, for preparation of cracks and joints, clean up for disposal of surplus materials, and for labor, equipment, and tools necessary to complete this work as specified.

Joint Sealant will be paid for at the contract unit price per POUND applied for "CRACKFILLING - FIBERIZED."

FINE AGGREGATE (FA-6):

This item of work shall consist of providing and applying to the freshly laid sealant a dusting coat of Fine Aggregate (FA-6) or limestone screening where directed by the Engineer. The Contractor is cautioned on the excessive use of sand.

The Contractor shall be responsible for sweeping and cleaning streets to make sure the street surface is in an acceptable condition after crack filling. All loose fine aggregates shall be removed from the pavement surface by means of mechanical sweepers or hand brooms within 72 hours. The Mechanical sweeping, hand brooming or other methods as required to clean-up fine aggregates will be included in the payment for this item.

Sanding of the sealant will be paid for at the contract unit price per TON applied for "FINE AGGREGATE (FA-6)."

TRAFFIC CONTROL AND PROTECTION:

The Contractor shall obtain, erect, maintain and remove all signs, barricades, flagmen and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts Maintenance Projects and the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways.

All of the Contractor's workers must wear high visibility apparel (with highly reflective material for night operation) at all times during work operations within the right-of-way as required by the MUTCD 6D.03.

When requested by the City, on streets where crackfiller will be applied, the Contractor shall distribute by hand a typed notice furnished by the City to residences and businesses abutting the project. The notice shall be delivered three(3) to five (5) days before beginning the crackfill application on that street. The Contractor shall also distribute by hand a typed notice approved by the City to be placed on the windshields of all cars parked on the project the evening before treatment.

When temporary prohibition of on-street parking will be necessary to accomplish this work, the Contractor shall place "No Parking" portables or "No Parking" signs (cardboard) whichever is applicable for the particular street. In addition, the Contractor shall also post said streets at least twenty-four (24) hours prior to beginning work with "No Parking" signs legibly marked with the date and time of restricted parking. Parking restriction notices will not be furnished by the City. Distribution of the notices shall be included in cost for the work and approved by the City.

When "No Parking" signs have been posted, the Contractor shall provide written notice to the Streets Foreman and Police Department after regular hours stating the Construction Company name, the contract work being completed, the street or streets posted, the time and date posted, and shall request that Police Department personnel check the posting.

The streets under restoration may not be closed to through traffic during construction. The Contractor will provide access for through traffic. Construction operations will be confined to one traffic lane with one or more lanes open to traffic. When work on arterial or collector streets is performed, the Contractor shall schedule the work with the Engineer to minimize disruption to the flow of traffic.

The Contractor shall provide a list of three (3) persons who can be called on a 24-hour basis to handle barricading or other problems relating to the construction activity.

This project may involve work on or adjacent to arterial roadways carrying high traffic volumes. Weekday construction activity must be limited to only the hours between 9:00 am and 3:00 pm on this facility in order to avoid the peak rush hours. During the work operation, a minimum of one lane of traffic must be maintained in each direction at all times. All lane closures must be approved by the Street Foreman in advance. Appropriate lane closures with arrow boards and signs are required regardless of duration of the lane reduction.

The emergency response persons shall be capable of responding within one (1) hour after notification by the City. If there has been no response within one hour after notification, the City will respond at a cost of \$400.00 per hour (two men plus truck) with a minimum charge for two hours, plus materials. This charge will be deducted from payments to the Contractor.

The Contractor shall also furnish, place and maintain traffic cones, one (1) for every 15 m (50') for each lane being worked on; barricades with arrows, four (4) for each intersection being worked on; signs, if applicable, approximately 910 mm X 910 mm (36" x 36") stating in bold letters, "KEEP OFF - CRACKFILLING," to be placed strategically to keep traffic off the newly placed crackfiller, flag trees, one (1) for each end of the street being worked on; and adequate signs, barricades and cones to direct and control traffic to the proper travel lanes, one (1) set at each end of the street being worked on. The Contractor shall maintain two (2) directions of traffic during the performance of work covered by the contract.

Traffic control shall include furnishing, setting up, performing, maintaining, and removing traffic control and for all equipment, tools and labor necessary to complete the work in accordance with this contract and will be paid for at the contract unit price.

2025 CRACK/JOINT SEALING LOCATIONS

STREET	LIMITS	LENGTH X WIDTH	COMPLETED
Orchard	Oakton to Forest	1333 x 24	
Jarvis	Wolf to Oxford	2543 x 24	
Oxford	Jarvis to Cul-De-Sac	821 x 28	
Jarvis	Wolf to Eastview	953 x 28	
Beau	Golf to Sandy	1325 x 24	
Bradley	Dulles to Little Path	1577 x 24	
Bradley Court	Bradley to Cul-De-Sac	148 x 24	
Columbia	Wolf West to Dead-End	335 x 24	
Debra	Beau to Lillian	1139 x 24	
Kolpin	Algonquin to Elizabeth	1191 x 26	
Santa Rosa	Wolf to West Dead-End	757 x 30	
Spruance	King to Walnut	725 x 24	
Westmere	Lillian to Beau	1211 x 24	
Howard	Wolf to Mt Propsect Rd	3112 x 40	
Hewitt	Algonquin to Florian	1021 x 24	
Tures	Plainfield to Nebel	810 x 24	
Nebel	Plainfield to Tures	499 x 24	
Leahy Circle	Kathleen to Millers	995 x 26	
First Ave	Prairie to North	1748 x 24	
Fourth Ave	Thacker to North	2845 x 24	
Morse	Scott to Joseph	22x400	
Rusty	Parkwood to Estes	30x600	
Scott	Sunset to Pratt	28x1935	
Northshore	Eisenhower to Curtis	22x916	
Prospect In	Lee to Dexter	22x1020	
Jarvis	Cedar to Magnolia	26x620	
Jarlath	West End to Douglas	26x500	
Grove	Woodland to North End	30x1020	
Fargo	Cedar to River	30x965	
Everett	Dexter to Lee	22x1020	
Dexter	Propsect to Everett	22x640	
Southwest Place	West Grant to West Villa	28x290	
Peter	Laura to Estes	24x640	
Oxford	Oakton to Forest	26x1270	
Orchard	Wicke to Forest	28x430	
Northwest Place	West Grant to Thacker	38x480	
Northeast Place	East Grant to Thacker	38x480	
Lincoln	Oxford to Wolf	24x904	
Forest	West Dead End to River Rd	24x3450	
Estes	Peter to West End	22x250	
Northwest Pl	W.Grant to West Villa	28x290	
Grant dr West	Southeast to Northwest	28x548	
Good	Ballard to Church	24x1170	
Acres	Miner to Dead End	22x900	
Cornell	State to Princeton	30x2120	

Cambridge	Wisconsin to Miner	26x3125
Ardmore	Stratford to Stratford	30x1820
Villa dr West	Southeast to Northwest PL	28x1500
First ave	Dempster to Prairie	36x660
Campbell	River to Center	26x3150
Webster	Oakton to Forest	26x1290
Spruce	Highland to Dead End	20x103
Sixth	Oakwood to Walnut	26x1900
Curtis	Pratt to Dead End	28x950
Courtesy	Marshall to Dover	24x880
Ashland	Cora to River	26x1120
Roxbury	Mt Prospect to Danbury	32x140
Roxbury	Danbury to Pennsylvania	26x1420
Polynesian	Fourth to Seventh	24x886
Patton	Devon to Craig	24x1290
Orchard	Wicke to Riverview	22x1510
Hoffman	Wolf to West Villa	30x940
Harding	Graceland to Lee	24x930
Fifth ave	Rand to Polynesian	24x1700
Shagbark	River to South Dead End	24x590
Scott	Jarvis to Touhy	22x1280
Fox	Joseph to Craig	22x690
Fifth ave	Forest to Oakton	30x1288
Cedar	Touhy to Jarvis	22x1280
Birch	Howard to Welwyn	22x774
Sprucewood	Birchwood to Jarlath	24x1778
Walnut ct	Southwest Place to Dead End	26x460
Stratford	State to Princeton	26x2034
Grant	Southeast PL to Northeast PL	24x1764
Wolf rd	Rand Rd to Central	60x 1550
Westmere	Farthing to Easy	22x915
Welwyn	Cedar to Maple	26x960
Morse	Scott to Eisenhower	26x590
Leslie	Jill to Algonquin	24x505
Grove	Rand to Woodland	22x1180
Fifth	Prairie to Thacker	20x656
Fargo	Chestnut to Lee	30x290
Beau	Dempster to Lance	24x470
Westview	Touhy to Jarvis	26x1270
Spruce	Mannheim to Propsect	28x1070
David	Jospeh and Rusty	24x960
Chestnut	Howard to Dead End	26x1746
Patricia ln	Central to Berkshire	24x614
Elizabeth	Devonshire to Susan	28x963
Brentwood	Dulles to East end	24x1209
Walnut ct	Southeast Place to Third	22x300
Villa dr east	Southeast PL to Northwest PL	26x1500

Third ave	Wayne to Algonquin	24x450
Thacker	Lee to Graceland	36x414
Stockton	Koehler to Sheperd	24x750
Plainfield	Howard to Everett	24x1308
Lyman	Lechner to Church	22x434
Lyman	Prairie to Dempster	24x590
Jill	Leslie to Andrea	24x820
Lasalle	Millers to Bradley	24x725
Eisenhower	Morse to Laura	26x590
Westgate	Millers to Washington	24x1416
Sycamore	Riverview to Everett	26x630
Simone	Tracy to Jon	26x700
Lawn ln	Dulles to Norman	22x800
Lance	Beau to marshall	22x1506
Estes	Greco to Maple	24x1390
Beau	Dulles to Debra	28x320
Anderson Terr	King to Walnut	22x810
Westmere	Lillian to Bell	24x2580
Thacker	First to Gracleand	36x770
Thacker	Cora to River Road	40x1090
Marshall	Kathleen to Dempster	30x774
Hoffman Pkwy	West Villa to Third Ave	24x978
Dennis pl	Forest to Heather	24x280
Bradley	Dulles to East End	26x1460
Princeton	Wolf Road to Eighth Ave	26x285
Millers	Mt Prospect Rd to LaSalle	28x1250
Mill st	River to East End	22x540
Lunt	Maple to Greco	24x1160
Deane St	VanBuren to Algonquin	24x288
Woodland	River to East End	26x1050
Sandy	Lillian to Beau	22x1220
Mark ave	Wolf to Madelyn	24x1120
Greco	Pratt to Farwell	22x420
Beau dr	Sandy to Debra	24x630
Sunset	Stillwell to Scott	30x690
South	Sunset to North End	24x116
Second	Golf Rd to S. Golf-Cul-De-Sac	22x180
Princeton	Radcliffe to Cambridge	24x1320
Pearle	David to Fox	24x815
Northeast Pl	E. Grant to E. Villa	26x300
Locust	Everett to South End	26x770
Joseph	David to Fox	24x820
Heather	Kingston and Kingston	26x1160
Craig	Patton to Pratt	26x1400