

Board of Public Works and Safety

Agenda Item

Cover Sheet

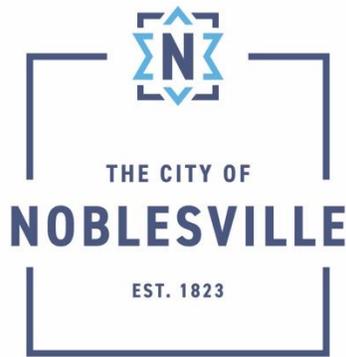
MEETING DATE: March 25, 2025

- Consent Agenda Item
- New Item for Discussion
- Previously Discussed Item
- Miscellaneous

ITEM #: 5

INITIATED BY: Patty Johnson

- Information Attached
- Verbal
- No Paperwork at Time of Packets



TO: BOARD OF PUBLIC WORKS AND SAFETY
FROM: PATTY JOHNSON, STREET COMMISSIONER
SUBJECT: ROAD SALT FOR THE 2025/2026 WINTER SEASON
DATE: MARCH 12, 2025

Please find attached a request for the Board of Public Works and Safety to allow me to sign a commitment letter to purchase 5000 tons of road salt during the 2025/2026 winter season. The funds for this purchase are in the 2025 approved budget for the street department. I cannot provide a funding verification form until we get the quotes back and decide who we are purchasing salt from. Any funds that have not been spent prior to the end of 2025 will be encumbered to cover the cost of the remainder of this purchase in 2026.

This is an annual contract that Hamilton County procures on behalf of Hamilton County and most of the other municipalities within Hamilton County. We have participated in this arrangement for the past 13 years and it has served us very well. Please feel free to reach out if you have any questions prior to the meeting.

I recommend the Board of Public Works approve authorizing me to sign a commitment letter to purchase 5000 tons of road salt for the 2025/2026 winter season.



HAMILTON COUNTY
INDIANA

HIGHWAY DEPARTMENT

Brad Davis, P.E. - Director
Joel Thuman, P.E. - County Engineer
Bob Davis - Superintendent

20 March 2025

To: Hamilton County Salt Coop group

From: Bradley Davis

Please complete the following to specify your requested tonnage of treated roadway salt for the 2025-26 winter season. This also documents your participation.

The period covered is June 1, 2025, to March 31, 2026.

For the winter of 2025-26 The Town/City of Noblesville is requesting 5000 Tons of treated roadway salt.

The Town/City acknowledges responsibility to purchase 80% of the requested amount and that the successful vendor is obligated to provide 120% of the requested amount without any additional charge.

The Town/City also acknowledges responsibility for its own ordering and payment as well as working with the vendor to resolve any problems.

Patty Johnson for the Town/City of Noblesville

Print Name and Title

Signature and Date

Thank You.

F:\USERS\bjd\2025-2026 Annual Bids\Cat 7 Salt\Salt for '25-'26\250303 Treated Salt commitment for winter of '25-'26.docx

CATEGORY 7. – TREATED SALT

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
7	27,882	Tons	<u>Treated Salt (Sodium Chloride)</u>

NOTE: The purpose of this invitation is to establish salt pricing for the Hamilton County Highway Dept. and selected Municipalities within Hamilton County, Indiana for the 2025/2026 winter. The attachment, labeled **Exhibit A**, depicts the requested type of salt and requested tonnage for each Agency/Municipality. See **Exhibit A** for the breakdown of requested tonnage and the respective delivery addresses.

Provisions:

- 1) Pricing shall be quoted per ton and include delivery to the addresses shown on Exhibit A. **Pricing shall be guaranteed against increase during the contract period, June 1, 2025 to March 31, 2026.** The exception would be if the 120% has already been met. Any additional material needed beyond one hundred twenty (120) percent will be by mutual agreement of the parties, including the price thereof.
- 2) A completed Exhibit A shall be returned with Hamilton County Form 06/03 and Bidders Bond or Certified Check.
- 3) Each listed **Agency/Municipality guarantees to purchase 80%** of the estimated salt tonnage as shown above and on Exhibit A. The **vendor shall guarantee to have available 120%** of the total estimated tons. For example, for an agencies 6000 ton amount the 80% min and 120% amounts would be 4800 tons and 7200 tons, respectively.
- 4) Each listed Agency/Municipality is directly responsible to the awarded vendor for payment under their respective purchase order(s). It will be the responsibility of the vendor to collect any payments due from the individual Agency/Municipality.
- 5) Each listed Agency/Municipality will place their own orders for their respective tonnage as depicted on Exhibit A.
- 6) It will be the responsibility of each Agency/Municipality to work with the awarded vendor to resolve any problems that may arise. Each Agency/Municipality shall not invoke any other stipulations or requirements on the awarded vendor, other than those stated in this document.
- 7) The tonnage delivered to each Agency/Municipality shall not be included in the accounting of tonnages available for or delivered to any other listed Agency.

8) Vendors are to provide a bid for each Agency/Municipality listed.

It is the intent of the following specification to describe a mixture of Sodium Chloride, crushed rock salt, treated with a corrosion inhibited liquid magnesium chloride product. The enhanced salt is intended to be used to facilitate snow and ice prevention and removal on Hamilton County roads and bridges.

The finished product shall be composed of **two** primary components.

1. Crushed rock salt as described and specified in Section A below.
2. A corrosion inhibited liquid magnesium chloride product described and specified in Section B below.

The two components shall be mixed to produce a finished product as described in Section C. The final product shall meet all the requirements described in Section D.

• **SECTION A: SPECIFICATIONS FOR UNTREATED SALT:**

The untreated salt will be in accordance with applicable provisions of the latest Indiana Department of Transportation Standard Specifications (Section 913.03), Special Provisions and all applicable rules and regulations at the federal, state and local levels. Materials must conform to the requirements of AASHTO M143, Type I, Grade I with a moisture content not exceeding 2 percent.

Salt shall be not less than 95% sodium chloride. Percent of sodium chloride shall be in accordance with current ASTM-D-632.

DEDUCTIONS:

After testing sodium chloride, deductions will be made for non-compliance with specifications on the following basis:

CHEMICAL COMPOSITION:

Results of the purity test shall be rounded up to the nearest whole percentage point. (.5 rounded up). A deduction of \$1.00 (one dollar) per ton will be made for each percentage point from 94 percent through 90 percent and \$2.00 (two dollars per ton for each percentage point from 89 percent through 85 percent). Material with purity less than 84.5 percent will be paid for as snow and ice abrasives at a rate of \$4.00 (four dollars) per ton.

MOISTURE:

If the moisture content exceeds 2 percent, the weight to be paid for will be the gross weight of the Sodium Chloride minus twice the weight of the excess moisture computed as follows:

$$\text{Weight to be paid for} = G \frac{104-2(m)}{100}$$

G = Gross weight of material (wet).

M = Percent of moisture to the nearest 0.5 percent based on dry weight.

***GRADUATION:**

SIEVE SIZES	PERCENTS PASSING
½ in. (12.5 mm)	100%
3/8 in. (9.5 mm)	95-100%
No. 4 (4.75 mm)	20-90%
No. 8 (2.36 mm)	10-60%
No. 30 (0.60 mm)	1-15%

When test results for the Sodium Chloride furnished exceed the graduation requirements above, adjustment points expressed as a percent will be assessed as follows:

ADJUSTMENT POINTS FOR GRADUATION
Sieve Size

Adjustment Points	½ inch	3/8 inch	No. 4	No. 8	No. 30
	12.5 mm	9.5 mm	4.75 mm	2.36 mm	0.60 mm
For each 1.0% up to 3.0%					
Out of Tolerance	1.0	1.0	1.0	1.0	3.0
For each 1.0% >3.0%					
Out of Tolerance	1.0	1.0	1.0	1.0	6.0

Gradation adjustment points for the quantity represented shall be the sum of points calculated for up to 3% out of tolerance and the points calculated for greater than 3% of tolerance.

NOTE: Gradation requirements/deductions also apply to the final enhanced salt product as Described in Section D.

When the Agency determines that a sample does not meet specifications in chemical composition, moisture and gradation, the following shall be the method of determining the final tons eligible for payment.

First, a deduction shall be calculated for moisture. Second, a deduction, as specified above, will be made for gradation failure. Finally, the deduction will be determined for chemical composition, unless the chemical composition falls below 84.5 percent at which time the entire amount will be paid for as snow and ice abrasives as noted under Chemical Composition above.

Sampling shall be done in accordance with current ASTM-D632.

SECTION B: Corrosion Inhibited Liquid Magnesium Chloride Product

Material used for this component of the finished product shall be a blend of liquid magnesium chloride and an Organic Based Performance Enhancer (OBPE) component intended, amongst other things, to inhibit the corrosiveness of the product. The offered product shall meet all of the requirements for **EITHER** Type II or I listed in Table 1 below. Bidder shall identify on the Vendor Supplied Data Sheet which type product he is offering. Product of either type must comply with the other requirements section also shown below.

TABLE 1

REQUIREMENTS:

PARAMETER	REQUIREMENT	
	TYPE I	TYPE II
Magnesium Chloride Concentration (w/v)	25% Min.	13.0 – 26.0%
PH	6.0 – 9.0	4.0 – 7.0
Eutectic (Freezing) Point	-20 Deg. F or Lower	-20 Deg. F or Lower
Corrosively	A 3% solution of the product shall have a corrosion value at least 70% less than that of a 3% solution of Sodium Chloride when tested by NACE Standard TM-01-69 as modified by the PNS (Pacific Northwest Snow fighters)	
Settle able Solids	Shall contain not greater than 1.0% (v/v) total settle able solids after being stored at 0 deg. F for 168 hours. If any solids are observed, 99% of those solids must pass through a #10 sieve.	

OTHER REQUIREMENTS Continued:

PARAMETER	REQUIREMENT	
	TYPE I	TYPE II
Freezing Point Table	Bidder shall supply a table showing the Freezing Point vs. Specific Gravity for varying dilutions of product in water, starting at 5% and continuing up to and including the percentage needed to reach the eutectic (freezing) point.	
Chemical Analysis	Bidder shall supply a certified analysis from an independent laboratory showing compliance with all the above listed requirements (INCLUDING) those listed in the REQUIREMENT section above. Exceptions to the requirements must be stated and the Agency reserves the right to reject the product.	

Sampling to be done in accordance with ASTM D345. Product shall be tested using generally accepted industry standard analytical procedures as appropriate.

ENVIRONMENTAL:

The product offered must comply with established limits set by federal, state and local laws and regulations with regard to the following components. In addition, the product must comply with any other environmental laws or regulations when used in the recommended applications and at the manufacturer’s recommended application rate. Please include the testing results for each of these components:

Phosphorus	Zinc
Cyanide	Selenium
Arsenic	Barium
Copper	Cadmium
Lead	Chromium
Mercury	

If the product exceeds any of the allowable established limits with regard to each component then the bidder shall identify these exception(s) and explain any mitigating circumstances. The Agency reserves the right to evaluate these exceptions and make a determination of product eligibility based on the best interests of the Agency.

SECTION C: Mixing the Sodium Chloride and Corrosion Inhibited Liquid Magnesium Chloride

The materials described in Section A and Section B above shall be mixed as described in this section to produce the finished product. Mixing procedures shall comply with all requirements described in this section.

C. 1	Each Agency, or any of its authorized representatives, reserves the right to take samples from the contractor’s stockpile or transfer point, and/or require the vendor to supply samples for testing, before the salt is mixed with the Corrosion Inhibited Liquid Magnesium Chloride. Both salt and liquid samples may be taken.
C. 2	The contractor will thoroughly mix a minimum of 8 gallons of Corrosion Inhibited Liquid Magnesium Chloride per ton of salt.
C. 3	The contractor will ensure a consistent thorough mix (e.g. spray system, pug mill, conveyor) so that there is maximum coverage of the liquid on the salt crystals (loader mixing and stockpile injection methods are not acceptable) and will specify the mix method in the bid.
C. 4	Trucks must be weighed on certified scale with printout after loading the final product (salt and liquid mixture) and prior to delivery destination. The weight ticket shall include the net weight of the final product and the stockpile source. The certification must bear the weigh master’s signature. Handwritten weights are not acceptable.

C. 5	The finished product shall be shipped via bulk delivery. Trucks delivering the mixture shall have the entire cargo area completely covered by a waterproof tarpaulin or similar sheeting material. Torn or ripped covers may be cause for rejection of the shipment.
C. 6	Each Agency reserves the right to, at anytime; inspect the operation to take salt and liquid samples, to ensure that the proper amount of liquid is being applied and that the mix method is appropriate.
C. 7	The enhanced salt shall be colored to allow snow truck drives and motorist to see the applied product.

SECTION D: Final Product: Rock salt treated with Corrosion Inhibited Liquid Magnesium Chloride

The final product shall provide for some or all of the following benefits related to roadway deicing:

1. Increased corrosion resistance over regular salt.
2. Increased penetration of salt in snow & ice pack.
3. Reduced “bounce & scatter” of salt from the roadway (applied w/spreader equipment).
4. Increase in the residual effects of salt applications.
5. Increase in the effective temperature range of salt.

The treatment must allow for safe and effective use of the salt in conventional salt spreader equipment found on highway trucks. When treated according to the manufacturer’s instructions and at the designated rate, the finished salt product will resulting **no leaching**, and will not result in freezing or clumping of the salt in either storage or application.

The product must be tested and proven brand that has been on the market and is sold throughout the Midwest region of the U.S. The vendor should submit with the bid, official testing data and literature that verifies that the product meets specifications. References for local municipalities that have successfully used this product in the recent past for stockpile treatment should also be submitted.

The Treated Salt shall also meet the following requirements:

INSPECTION:

Upon inspection of delivered salt, the material shall be uniform in appearance, free flowing and free from visual evidence of foreign matter including but not limited to dirt, stone, chips, trash or any other material that could reasonably be expected to interfere with the use, handling or storage of the salt.

Any material delivered which contains lumps, foreign matter, or free water shall be rejected. In the event the material has been dumped prior to rejection it shall be immediately reloaded or removed by the vendor within 48 hours of notification of rejection. ***Failure to remove material will result in liquidated damages in the amount of \$10.00 per ton for each day the rejected material remains on Agency property.***

FLOWABILITY:

Salt is generally treated with an anti-caking agent in most cases; the corrosion inhibited liquid magnesium chloride product will act as an anti-caking agent. **NO** anti-caking agents such as Yellow Prussiate of Soda (YPS or Sodium Ferro cyanide) will be allowed. The supplier is responsible to test their enhanced salt before shipping to ensure that the corrosion inhibited magnesium chloride product that they choose will work as an anti-caking agent. If the enhanced salt “clumps” in our storage facility, it will be the responsibility of the supplier to remove the product and supply an equal quantity of another enhanced salt product.

All enhanced salt supplied to agencies within Hamilton County, shall have a storage life of 24 months. The supplier will guarantee that enhanced salt product will not develop a foul odor or exhibit rotting for a full 24 month period. If the product proves to be beyond its storage life within the 24 month period, the contractor shall remove and replace the product *at no cost to the Agency*.

Properly stored product (covered with tarp or inside storage) shall be uniform and free flowing in a manner consistent with its intended use and shall show no objectionable clumping or caking.

LEACHING:

Properly stored product (covered or inside storage) shall show no indication of objectionable leaching or separation of components to the extent that such condition produces adverse affects in the handling or usage of the product or routine maintenance of the storage facility.

GRADATION:

See requirements as directed in Section A.

SECTION E: OTHER PROVISIONS

EARLY DELIVERY/BUY OPTION:

Some participants are able to buy some or all of their road salt requirements early and can also handle early delivery (prior to peak demand periods). Participants able to take advantage of this option are also willing to waive the normal delivery requirements as outlined below. This is only for the early deliveries, prior to Dec. 1. Orders for early delivery purchases must be made by the Agency/Municipality no later than Oct. 15 and will need to be delivered by Dec. 1.

DELIVERY:

Vendor shall make deliveries in tarped trucks starting within five (5) working days of receiving a purchase order. For each working day that delivery extends beyond this 5-day limit, \$200.00 dollars may be deducted from money due the vendor, not as a penalty, but as liquidated damages. Generally orders will be in multiples of 22 tons (a typical delivery load). Deliveries shall be made during normal working hours, 7:30 am to 4:00 pm, during normal workdays, unless other arrangements are approved by the appropriate Agency.

For the purposes of this contact, workday shall be defined as:
A calendar day, exclusive of Saturdays, Sundays, and County recognized legal holidays.

Delivery tickets for all deliveries shall indicate gross, tare and net weights, locations of stockpile from which shipment is made, point of delivery and date of delivery. Weights will be checked at random for accuracy of the delivery tickets weights. Each Agency reserves the right and privilege to require any truck to go to the nearest available certified scales to check weights at no additional cost to the Agency. Delivery tickets are to be signed by an Agency representative at the time of delivery.

INVOICING:

No payment will be made for any load for which a delivery ticket, signed by an Agency representative, cannot be produced. Salt off loaded without a signed delivery ticket becomes the property of the purchaser without compensation to the Vendor. Billing addresses for each Agency are listed on Exhibit A.

MISCELLANEOUS:

BID BOND:

A Bid Bond, or certified check payable to the Hamilton County Board of Commissioners in the amount of \$25,000.00, will be required with all bids. The Bid Bond will be held for liquidated damages if the bid is withdrawn before the award is made.

PERFORMANCE BOND:

For the Hamilton County Highway Dept. - A Performance Bond in the amount of \$50,000.00 shall replace the Bid Bond at the time of award. The Bid Bond and Performance Bond shall be made payable to the Hamilton County Board of Commissioners. A surety authorized to do business in the State of Indiana shall execute such bonds.

For other Hamilton County Municipalities – A Performance Bond may be required, in an amount specified by each Municipality, for their respective tonnages.

FAILURE TO MEET OBLIGATIONS:

If the vendor is unable to meet its agreement obligations as set out in this invitation, then the Agency, at its option, may purchase materials from any other available source on the open market, may cancel the agreement or applicable portions thereof, and may award the portions so canceled to another supplier.

NOTE: New – Insurance Requirements

Workers' Compensation and Liability Insurance -

The Hamilton County insurance requirements can be found on the "Insurance Appendix" attachment to this specification. *See* "Insurance Appendix." Not all insurance sets are required but only the applicable insurance sets appropriate for the CONSULTANT/VENDOR, as determined by Hamilton County. The CONSULTANT/VENDOR must obtain all appropriate insurance sets to be considered to do business with Hamilton County.

See the included Insurance Appendix. The Hamilton County Insurance policy can be found at:

- <https://www.hamiltoncounty.in.gov/1645/certificates-of-insurance>

The Certificate of Insurance is not required with the bid submittal but will be required from the successful vendor.

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Hamilton County, Indiana Exhibit A (page 1) List for 2024-2025 season 4/3/2024

Agency	Delivery Address	Billing Address	Total Salt Tonnage	
			Treated	Untreated
Hamilton County Highway Dept.	1700 S 10th St Noblesville, IN 46060 PH: 317-773-7770	1700 S 10th St. Noblesville, IN 46060 PH: 317-773-7770	3500	0
City of Carmel Street Dept	Two Delivery locations: Site #1- 3400 W 131 st St. Westfield, IN 46074 PH: 317-733-2001 Site #2- 4915 E 106th St. Carmel , IN	3400 W 131 st St. Westfield, IN 46074 PH: 317-733-2001	5000	0
Carmel Clay Parks & Recreation	4915 E 106th St Carmel, In. 46032 PH: 317-573-4044	1411 E 116th St. Carmel, In. 46032 PH: 317-573-4044	22	0
Town of Cicero Street Dept.	1159 Stringtown Pike Cicero, IN 46034 PH: 317-984-4833	P.O.Box 391 Cicero, IN 46034 PH: 317-984-4833	120	0
City of Westfield Public Works	Westfield Public Works 2706 E 171st. St. Westfield, In. 46074 PH: 317-804-3100	Westfield Public Works 2706 E 171st. St. Westfield, In. 46074 PH: 317-804-3100	3000	0

Hamilton County, Indiana Exhibit A (page 2) List for 2024-2025 season 4/3/2023

Agency	Delivery Address	Billing Address	Total Salt Tonnage	
			Treated	
Town of Arcadia	9099 E 266th St.	P.O. Box 578	60	
	Arcadia, IN 46030	Arcadia, IN 46030		0
		PH: 317-984-3512		
Town of Sheridan	E 2nd St.	506 S Main St.	80	
	Sheridan, IN 46069	Sheridan, IN 46069		0
		PH: 317-758-5293		
City of Fishers Department of Public Works	Two Delivery locations:	Fishers Dept. of Public Works	2000	
	Site #1 Fishers	1 Municipal Drive		0
	Fishers Dept. of Public Works	Fishers, IN 46038		
	10200 Eller Road	PH: 317-595-3160		
	Fishers, IN 46038			
	Site # 2			
	16266 Connecticut Ave			
	Fishers, IN 46038			
City of Noblesville Street Department	Two Delivery Locations:	1575 Pleasant Street	5000	
	Site #1 - 16101 River Road	Noblesville, IN 46060		0
	Noblesville, IN 46060	PH: 317-776-6348		
	Site #2 - 12572 E 166th St			
	Noblesville, IN 46060			
Town of Atlanta	105 E Main St	105 E Main St.	40	
	Atlanta, IN 46031	PO Box 133		0
		Atlanta, IN 46031		
		PH: 765-292-2626		

Vendor to have a material stockpile within 50 miles of Hamilton County to help assure timely deliveries

Address of vendors stockpile location: _____



