

DUST CONTROL PROGRAM INFORMATION SHEET

Becker County Highway Department will again offer the Dust Control Program for our gravel-surfaced roads. The dust suppressant used is one application of liquid magnesium chloride. Magnesium chloride is hygroscopic, meaning that it attracts moisture from the atmosphere and its surroundings. This tendency helps to keep gravel surfaces damp and the dust down. As a result, when applied to the road the surface becomes compact. Over time, the chemical penetrates the surface adding a stabilizing effect, which holds the aggregate together in the gravel surface resulting in decreased dust for adjacent residents.

Becker County **CANNOT** guarantee that the suppressant will last the entire season. Variables such as gravel quality, weather, and traffic volumes affect the chemicals' performance. Heavy rains may wash the suppressant from the road surface. **It is recommended that "Dust Control" signs be placed at the beginning and end of the section to identify application area for the applicator and also to notify the blade operators of the application.** Repeated applications year after year increase the chemicals' performance tremendously in most cases. Occasional blading can be done to the application area, but care must be taken not to bring any non-treated material into the treated area. On Becker County roads, if the treated area becomes rough due to washboards, potholes, etc., the area will be maintained with a motor grader. The optimal time for maintenance is when moisture is present in the roadway, i.e. after a good rain.

See the attached sheet for Becker County's Dust Control cost sharing policy on County roadways. On Becker County roads, the County will participate in the cost, however, the percentage of contribution will be determined by factors outlined in the Dust Control Policy. **If you live on a township road and you are interested in participating, please contact your town board so they are aware of the application and plan their maintenance and improvements accordingly. Becker County will not be responsible for any maintenance activity that affects the performance of the dust control.** Becker County will have no cost participation on Township roads. **There is a minimum application length of 500 feet for either road type.**

The attached Cost Estimate Sheet will give you an estimated price for the length you would like to apply. It is the property owner's responsibility to mark the area to be treated. **All County roads are estimated for an application width of 20 feet, not the total road width. Township roads are estimated for the application width chosen, not the total road width. Multiple application areas on the same township roadway will all be sprayed the same width. Applications for private driveways will not be accepted.**

If you are interested, please complete the attached form and provide a sketch on the back if necessary. The application and **full payment** of the application cost should be sent to the Becker County Highway Department, 200 East State Street, Detroit Lakes, MN 56501 not later than May 12th, 2023.

BECKER COUNTY DUST CONTROL PROGRAM COST ESTIMATE SHEET

Corbin Excavating is the low bidder for the 2023 dust control program, which is an application of Magnesium Chloride. The price is \$1.12 per gallon.

ALL REQUESTS ON COUNTY ROADS WILL BE 20 FEET WIDE

DUST CONTROL COST ON COUNTY ROADS			
Distance	Width	Estimated Gallons	Cost To individual
500'	20'	389	291.91
750'	20'	583	437.87
1000'	20'	778	583.82
1320'	20'	1,027	575.12
1500'	20'	1,167	653.52
1750'	20	1,361	762.16

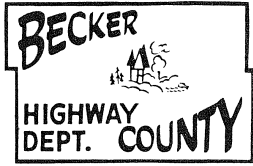
DUST CONTROL COST ON TOWNSHIP ROADS			
Distance	Width	Estimated Gallons	Cost To individual
500'	12'	233	260.96
750'	12'	350	391.44
1000'	12'	467	521.92
500'	20'	389	435.68
750'	20'	583	652.96
1000'	20'	778	871.36

** See Becker County Dust Control Policy for detailed information regarding County participation for applications on County roads.

** **No down payment will be required for Townships. They will be billed on their statement.**

** All costs are calculated based on gallons per sq. yard.

(L x W / 9 x .35) = estimated gallons: estimated gallons x cost per gallon = Total Cost



Becker County Highway Department

BECKER COUNTY DUST CONTROL PROGRAM RESIDENTIAL SIGN-UP

Name: _____

Address: _____

Daytime Phone: _____ Email: _____

Application address (if different than above): _____

Road name: _____ Length Requested _____ ft. (min. 500 ft)

Application width desired: 20' _____ 12' _____ *All County roads will be sprayed 20'

I/we understand that upon sign-up, I/we must pay 100% of the cost or the request will not be considered. I/we understand that due to weather and road conditions, Becker County does not guarantee the application will last the entire season. I/we understand Becker County or governing road authority has the right to maintain the dust control area as needed due to road conditions.

****You must clearly mark the start and end point for the application area. If this is not done, application area will be determined by the applicator. ****

****Sign ups will no longer be accepted for application on private driveways****

****SIGN UP MUST BE RETURNED NO LATER THAT MAY 12th, 2023 TO BE CONSIDERED FOR COVERAGE****

Signature: _____ Date: _____

*****OFFICE USE ONLY*****

Total Cost: _____

Payment Received: Cash _____ Check _____ Check # _____ Credit Card _____

Date: _____

COUNTY ROAD DUST CONTROL APPLICATION POLICY

It is the intent of this policy to define criteria and guidelines for Becker County to administer and apply dust control on Becker County gravel roads. This will include County roads on the CSAH system or County system, township roads, and private roads.

The criteria for which Becker County will fund 100% of the cost for dust control to County roads will be within the parameters as follows:

1. The route must be projected to carry a relatively heavier traffic volume (generally 150+ ADT).
2. The section of road must connect to County road, State road, high adt Township road or high volume traffic generator and must be done in its entirety.
3. High maintenance areas (Intersections, isolated high traffic areas). These areas are generally 1,000' or less
4. Proximity to other county roads for blading, which will eliminate excess dead head time for maintainers.

Becker County will participate in dust control improvements at a rate of 75% County and 25% requesting party for County Roads under the following parameters:

1. The route must be projected to have an ADT above 100.
2. The section of road must connect to County road, State road, high adt Township road or high volume traffic generator and must be done in its entirety.

All Becker County funded dust control will be dependent on available funding. All roads that fit the criteria may not have dust control applied, all decisions will be made by the Becker County Highway Engineer.

Becker County will also administer and apply dust control suppressant on County roads and township roads as requested by the party. On County roads the requesting party will pay 67% of the cost and the County will pay 33% of the cost for an application length from 500' to 1,320'. However, if the requested application length is 1,320' or more, the County will pay 50% of the cost. Applications on township roads or private areas will be funded entirely by the requesting party. All private participating funds shall be deposited with the County prior to dust control application.

All improvements shall meet the following criteria:

1. Minimum width of dust control on County roads shall be 20', township roads will be either 12' or 20' as requested by party.
2. Standard concentration rates will be applied.