



# Woodbury County Secondary Roads Department

759 E. Frontage Road • Merville, Iowa 51039  
Telephone (712) 279-6484 • (712) 873-3215 • Fax (712) 873-3235

COUNTY ENGINEER

Mark J. Nahra, P.E.

mnahra@woodburycountyiowa.gov

ASSISTANT TO THE COUNTY ENGINEER

Benjamin T. Kusler, E.I.T.

bkusler@woodburycountyiowa.gov

SECRETARY

Tish Brice

tbrice@woodburycountyiowa.gov

PPM #9, 2010

Revised 4/2018

## WOODBURY COUNTY SECONDARY ROAD DEPARTMENT POLICY AND PROCEDURE MEMORANDUM

SUBJECT: DUST CONTROL POLICY

### Purpose

Subdivision development, signed detour traffic, road construction haul road use in the rural area creates additional traffic on gravel surfaced roads which were designed primarily for rural farm access. Fugitive dust draws frequent complaints from residents who live in rural areas. The county receives requests for dust control on roads to meet address higher traffic levels and associated dust generated by that traffic.

The county has developed this policy to address fugitive dust created by traffic in the rural area.

### County Treated Roads - Participation Guidelines

- 1) Woodbury County will place dust control twice per year to gravel roads under the following conditions:
  - a) Average Daily Traffic (ADT) exceeds 150 vehicles per day as determined by the Iowa DOT quadrennial traffic counts at county expense. The county will also consider the application of dust control on roads with more than 12 houses per mile if they are adjacent to a dust treated roadway.
  - b) Traffic count at or in excess of 150 vpd for five consecutive days during a 7-14-day traffic count with the county owned meters. Subsequent counts will be taken at least two other times during the spring-summer-fall seasons to confirm high traffic count to be added to the regular dust control program until the next Iowa DOT count can be obtained. The later counts must show that the traffic count meets or exceeds the level required for the initial dust control application.
  - c) Traffic count exceeds 25 vehicles per hour for one or more hours per day for five or more days during a 7-14-day traffic count. Subsequent counts will be taken at least two other times during the spring-summer-fall seasons to confirm high traffic count to be added to the regular dust control program until the next Iowa DOT count can be obtained. The later counts must show that the traffic count meets or exceeds the level required for the initial dust control application.
- 2) The County will use Calcium or Magnesium Chloride for dust control.

- 3) The first application of dust control material will normally be applied between May 15 and Memorial Day, depending upon weather. The second application will be applied sometime between mid-July and mid-August depending upon road condition and weather.
- 4) Dust treated roads will be bladed and readied for winter after October 1 of each calendar year. Treated roads will all be bladed before winter conditions set in.
- 5) Schedules for application will be determined by the Woodbury County Engineer.

#### Resident Treated Roads – Participation Guidelines

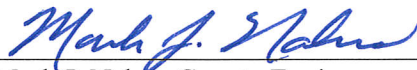
Residents on roads that do not meet traffic requirements for county applied dust control may apply dust control at their own expense. Work in the county right of way must comply with section 318.8 of the Code of Iowa. Residents desiring dust control should contact their dust palliative applicator of choice. The applicator will contact the county and notify the engineer's office of the location for dust treatment and request road preparation and approval of the site. The county will prepare the roadway and notify the applicator that the roads are ready for spraying.

Dust control applicators may apply calcium or magnesium chloride, lignin sulfonate, or a blend of the two materials for dust mitigation on private dust palliative applications.

#### Detour and Haul Roads

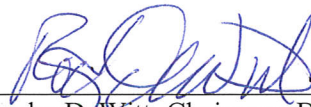
Traffic detoured onto county gravel roads and haul road use connected with highway construction are not normal traffic as defined by Iowa Code and Administrative rules. The county engineer will arrange for the application of dust control palliative on signed detour routes and on designated haul roads. Applications will be 400 feet wide at each residential driveway and a minimum of 300 feet long at each gravel approach to an intersection on a designated haul road or detour route. Cost of dust treatment will be billed to the road authority responsible for the gravel road haul road or detour route designation.

Recommended:



\_\_\_\_\_  
Mark J. Nahra, County Engineer

Approved:



\_\_\_\_\_  
Rocky DeWitt, Chairman, Board of Supervisors