

# “Investigation of Methodologies to Control Dust on County Roads in Western ND”

Submitted by:

Dunn and McKenzie Counties

- Request for \$220,000
- Total Project Costs \$440,000

# PROJECT DESCRIPTION

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- This project proposes to evaluate and compare several different products and construction techniques. Magnesium chloride, flake calcium chloride, enzymatic soil stabilizers, and geotextiles will be used in road test strips of one-half to one mile in length. The objective of this research is to identify and evaluate cost effective methods to control dust on unpaved roads in western North Dakota. The study will be conducted on roads currently being impacted by heavy traffic loads in Dunn and McKenzie Counties.

## TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			<b><u>Average</u></b>
Rating	Weighting	<b><u>25-A4</u></b>	<b><u>25-A5</u></b>	<b><u>25-A6</u></b>	<b><u>Weighted</u></b>
<b><u>Category</u></b>	<b><u>Factor</u></b>				<b><u>Score</u></b>
Objectives	9	3	4	3	27
Availability	7	4	2	4	21
Methodology	8	3	2	3	16
Contribution	8	3	2	5	24
Awareness / Background	5	3	1	5	15
Project Management	3	3	1	3	6
Equipment / Facilities	2	3	2	3	4
Value / Industry-Budget	4	3	2	5	12
Financial Match – Budget	4	4	4	3	12
<i>Average Weighted Score</i>		<b>161</b>	<b>118</b>	<b>191</b>	<b>156</b>
<i>Maximum Weighted Score</i>					<b>250</b>

# TECHNICAL REVIEWER TOTALS

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- 25-A4

Average Weighted Score: **161 out of 250**

**FUNDING TO BE CONSIDERED**

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- 25-A5

Average Weighted Score: **118 out of 250**

**DO NOT FUND**

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- 25-A6

Average Weighted Score: **191 out of 250**

**FUND**

# DIRECTOR'S RECOMMENDATIONS

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## Recommendation:

### **To Fund based upon the following contingency:**

1. Establishment of an advisory committee, approved by the Industrial Commission Executive Director is to be formed to assist in the evaluation and measurement of the test segments.
2. Development of specific evaluation methodology with approval by the Advisory Committee and Industrial Commission Executive Director.