



Problem Statement Title

- **Author and Affiliation:** [Jane Doe, CDOT Research Branch]
- **CDOT Champion:** [Name of CDOT project champion, leave as Unknown if none exists yet]
- **Cost and Duration:** [\$XX,000 for XX years]
- **Description:** [What is the problem, and who/what does it affect? Keep this short]
- **Objective(s):** [The desired outcome(s) and expected final product(s).]
- **Benefits to CDOT:** [Concisely explain: Why solving this problem is important to CDOT. What are the anticipated cost/time savings or other benefits to CDOT?]
- **Implementation:** [How will CDOT be able to implement the results?]
- **Supplements.** [If needed, add relevant photo(s), a table, etc., but total slides must be under three.]

Note: Keep all info short and sweet. Do not copy paragraphs directly from the problem statement. Summarize the info in brief presentation format. See example on following 2 slides.

Please use font size 15-24. We recommend font size 20 for most content. Do not use any fonts below 14.



Living Snow Fences to Reduce Maintenance Costs and Improve Safety

- **Author and Affiliation:**

- Mike Banovich, CDOT Landscape Architect

- **CDOT Champion:**

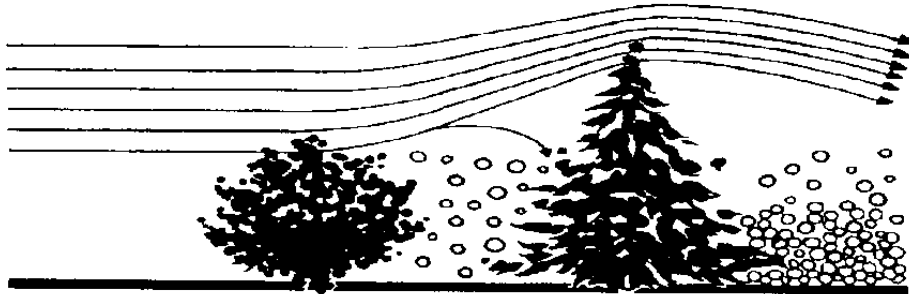
- Mike Banovich

- **RIC Sponsor:**

- Jane Hann CDOT EPB

- **Cost and Duration:**

- \$90,000 for 2 yrs (Colorado State Forest Service contributing additional \$60,000)



- **Description:**

- Living snow fences are highly sustainable engineering actions for highway corridors
- Designed plantings of trees, shrubs, native grasses create very effective vegetative buffers to trap and control blowing / drifting snow
- High longevity and cost-effective to maintain
- But require more space (up to 200' setback) and time (5-7 yrs) to be effective

Compare Cost to Maintain (USDA, 1994):

\$3/mile/yr	Living Snow Fence
\$185/mile/yr	Typical 4' Slat Fence

**Note: THIS IS AN EXAMPLE PROJECT
SLIDE 1**



Living Snow Fences to Reduce Maintenance Costs and Improve Safety

- **Objective(s):**

- Identify priority areas for strategic snow fence placement
- Produce site-specific ecologically appropriate species lists, planting guidelines and partnership opportunities

- **Benefits to CDOT:**

- Reduced effort on snow management and fence maintenance
- Improve road visibility and driver safety
- Energy cost and sustainability
- Visual screens
- Potential mitigation for tree removal
- Environmental stewardship

- **Implementation:**

- New guidance and specs for living fence construction in highway design and landscape planning



**Note: THIS IS AN EXAMPLE PROJECT
(continued) SLIDE 2**



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