

***Tabler & Associates***    **ENGINEERING FOR SNOW, SAND, DUST and WIND CONTROL**  
***P.O. Box 483 • Niwot, Colorado 80544-0483 • Street Address: 7505 Estate Circle • Longmont, Colorado 80503***

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**CLIENTS AND PROJECTS** (Reverse Chronological Order)

**University of Alaska Fairbanks**

Arctic Construction Seminar (Fairbanks and Anchorage): Presentation on snow fences (May 15, 2009).

**Wisconsin Department of Transportation (Waukesha, WI)**

North-South Freeway (I-43) Reconstruction, STH 32 to North Ozaukee County Line: Recommendations for tree and shrub plantings for snow mitigation (2009).

**CPP Wind Engineering / Gresham Smith and Partners (Nashville)**

Gerald R. Ford International Airport (Grand Rapids, MI): Recommendations for snow cornice mitigation for the Grand Canopy (2008-09).

**Boulder County Open Space (Boulder, CO)**

Walker Ranch Road and Caribou Restroom: Recommendations for snow mitigation (2008).

**Hal Hartman (Applied Physicist) / Copper Mountain Skiing Co. (CO)**

Kumar accident: Analyzed data and other information relative to ski area liability (2008).

**Cimarex Energy Co. (Denver, CO)**

Riley Ridge Madison Gas Development Project: Recommendations for snow fences and other mitigation measures on access roads and facilities (2008).

**Union Pacific Railroad (Omaha, NE)**

Blowing Snow Mitigation for 25 Scanner locations between Laramie and Grainger, WY: Recommended snow fence systems (2007).

**10<sup>th</sup> Mountain Division Hut Association (Aspen, Colorado)**

Eiseman Hut snow load problem (Vail, CO): recommendations for mitigation (2007).

**New York State Department of Transportation (Buffalo)**

SnowMan Computer Program Training Class for mitigation of blowing snow (2007).

**CPP Wind Engineering / Denver International Airport (Fort Collins / Denver)**

Denver International Airport: Peña Boulevard Landscape Plan: Technical consultation for wind tunnel tests to determine effect of proposed landscaping on highway snow and ice conditions and alternative mitigation measures (2006-2007).

**BP Exploration (Alaska), Inc. (Anchorage, AK)**

Greater Prudhoe Bay Well Pad DS-15 Snow Fences: Design of snow fence system (January – February, 2007).

**Stieber Berlach Gibbs (Toronto, Ontario)**

Karri Spiece, et al vs The Regional Municipality of Waterloo, et al: Reviewed circumstances surrounding serious automobile accident in 2003 near Wellington, Ontario, and consulted on defense of co-defendant Rowan Williams Davies and Irwin Inc. (January-February, 2007)

**Bureau of Land Management (Sacramento, CA)**

Wind Mitigation for the Mono Basin Fire Station: Designed wind screen to protect facility near Lee Vining, California, from strong winds (December, 2006 – January, 2007).

**Transportation Inc. / Pacific West Mining (Carson City, NV)**

Fugitive Dust Abatement at Bluestone Mine Tailings Area: Recommendations for fences and other measures to mitigate fugitive dust from the Bluestone Mine area at Yerington, Nevada (October-November, 2006).

**PMPC Civil Engineers / Conoco Phillips (Saratoga, WY/ Anchorage, AK)**

Snow Fence systems for Drill Sites 1E, 2N, 2T: Subconsultant to PMPC Civil Engineers for laying out snow fences (May, 2006)

**NANA-Colt Engineering, Ltd. / BP Exploration (Alaska) (Anchorage)**

Snow fence system for Greater Prudhoe Bay Well-Pad Z: Determined directional distribution of potential snow transport at Well-Pad A, 1986-2006, and determined optimum locations for snow fences (October 2006).

**Muller Engineering, Inc. / Northern Colorado Water Conservancy District (Denver)**

Relocation of US 287 between LaPorte and Owl Canyon: Evaluated potential snow and ice problems on two alternative alignments (June 2006).

**Union Pacific Railroad (Omaha, NE)**

Blowing Snow Mitigation for six hot box detectors in Southwest Nebraska: Recommendations for snow fences (June 2006).

**URS Engineers / El Paso County Department of Transportation (Colorado Springs, Colorado)**

Blowing Snow Mitigation Training: Presented one-day course for engineering firm and maintenance personnel (May 2006).

**Oregon Department of Transportation (LaGrande)**

Blowing Snow Mitigation Training: Presented two courses for Department designers and maintenance personnel (May 2006).

**Minnesota Department of Transportation / University of Minnesota (St. Paul)**

Blowing Snow Control Train the Trainer Course: Preparation and presentation of Train-the-Trainer course for 50 MNDOT personnel (May 2006).

**Union Pacific Railroad (Omaha, NE)**

Blowing Snow Mitigation in Southwest Nebraska: Field review of problems in 2005-06 winter, and recommendations for snow fences (January 2006).

**Burlington Northern Santa Fe Railroad (Denver, CO)**

Blowing Snow Mitigation in Sand Hills Subdivision (Nebraska): Field review of problems in 2005-06 winter, and recommendations for snow fences (January 2006).

**CH2MHill / Wisconsin Department of Transportation** (Milwaukee, WI)  
Snow mitigation for US Highway 41, Lake Butte des Morts crossing (2006).

**Law Offices of Charles T. Noce, Esq.** (Rochester, NY)  
Davidson v. Town of Chili, NY, and New York State Department of Transportation: Review of circumstances in complaint and preparation of report (2005-06).

**Wyoming Natural Resources Foundation** (Cheyenne)  
Wyoming Agroforestry Technology Workshop (Casper, Nov. 2-3, 2005): Two-hour presentation on the benefits of snow fences, and guidelines for layout of living snow fences.

**Oregon Department of Transportation, Region 5** (LaGrande, OR)  
Ladd Canyon Snow Fence Design Review: Reviewed plans for snow fences to protect I-84 Mile 274.5 to 275.25 and recommended revisions in layout and structural design (October-November, 2005).

**US Air Force, Mountain Home AFB** (Idaho)  
Grasmere Radar Site: Designed snow fences to protect facility (June-July, 2005)

**BP Exploration (Alaska), Inc.** (Anchorage, AK)  
Greater Prudhoe Bay Well Pads L and V Snow Fences : Design of snow fence systems (June 2005 – April 2006).

**PMPC Civil Engineers, Inc. / Conoco Phillips Alaska** (Anchorage)  
Kuparuk 3-M Pad Snow Fence System: Consulted on fence system design (April-June, 2005).

**CPP Wind Engineering / Norfolk Southern Railroad** (OH)  
Sandusky Bay Causeway and Bridge Wind Fence: Consultation on wind tunnel study to determine optimum height and location of proposed wind fence (April-June 2005).

**BP Exploration (Alaska), Inc.** (Anchorage, AK)  
Aurora S-Pad Snow Fence System (Prudhoe Bay): Designed snow fence system and consulted on construction (January-May, 2005).

**PMPC Civil Engineers, Inc.** (Saratoga, WY) / **Wyoming Department of Transportation** (Cheyenne)  
Safety Improvement Study on I-80, Utah State Line to Rawlins (Mile 0-215): Consulting services for Primary Contractor (PMPC) re: analysis of crash incidence in relation to road and weather conditions, surface temperature mapping, and field study to determine locations and specifications for snow fences and other mitigation measures to reduce crash incidence (2004-2006).

**University of Wisconsin -- Madison** (Madison)  
Snow and Ice Control Operations Course (Allentown, PA): Presentation on drift control methods for Snow and Ice Control course (October 18-19, 2004).

**University of Wisconsin -- Madison** (Madison)

Snow and Ice Control Operations Course (Madison, WI): Presentation on drift control methods for Snow and Ice Control course (October 4-5, 2004).

**New York State Department of Transportation** (Albany, NY)

Training Course: Mitigating Blowing and Drifting Snow: Presented two, 1-day classes for NYSDOT engineers in Rochester and Schenectady (September 21 and 23, 2004).

**PMPC Civil Engineers, Inc.** (Saratoga, WY)

Training Course: Blowing and Drifting Snow Mitigation with Road Design, Snow Fences, and ITS: Presented two-day course in Saratoga (September 10-11, 2004).

**CPP Wind Engineering / Burlington Northern Santa Fe Railroad** (Havre, MT)

Midvale Creek Bridge Wind Fence: Consultation on wind tunnel study of proposed wind fence to determine optimum height and location (September 2004 – January 2005).

**Burlington Northern Santa Fe Railroad** (Havre, MT)

West Glacier Wind Derailment: Field review of wind derailment problem between Browning at Midvale Creek Bridge, and recommendations for wind screens (June, 2004).

**Hargreaves Associates** (San Francisco)

Denver International Airport: Peña Boulevard Landscape Plan: Technical consultation on effect of proposed landscaping on highway snow and ice conditions (2004-05).

**Iowa Department of Transportation** (Ames)

Training Course: Road Design to Mitigate Blowing and Drifting Snow: Presented two, 1-day classes for 72 road designers and landscape architects (May 26 and 27, 2004).

**Wyoming Department of Transportation** (Cheyenne)

Blowing Snow Mitigation Courses: Presented two, 2-day classes for approximately 175 Maintenance and Design personnel (Lander: December 16-18, 2003; Douglas: December 9-11, 2003).

**Wyoming Department of Transportation** (Cheyenne)

Three-Dimensional Roughness Elements for Snow Retention: Wind tunnel and field research project to develop and test three dimensional roughness elements for retaining snow on embankment slopes and denuded areas (2003-2006).

**Wyoming Department of Transportation** (Cheyenne)

Blowing Snow Specialist Team Training: Technical training for two engineers assigned to blowing snow mitigation (2003-2006).

**University of Wisconsin -- Madison** (Madison)

Snow and Ice Control Operations Course (Philadelphia, PA): Presentation on drift control methods for Snow and Ice Control course (October 20-21, 2003).

**University of Wisconsin -- Madison** (Madison)

Snow and Ice Control Operations Course (Madison, WI): Presentation on drift control methods for Snow and Ice Control course (October 6-7, 2003).

**American Public Works Association – Greeley, Colorado**

Western Snow and Ice Conference (Greeley, CO): Presentations on “Mitigating Blowing Snow,” and “Pavement Temperature: Measurement, Interpretation and Dynamics (24 September 2003).

**Teck Cominco Alaska Incorporated (Anchorage)**

Fugitive Dust Mitigation at Red Dog Mine (Alaska): Served as consultant to Cermak Peterka Peterson, Inc. in wind tunnel tests to determine location, height and design of wind screens to reduce fugitive emissions from stockpile area (2003).

**ACEI-West / Lowe’s (Billings, MT)**

Lowe’s Regional Distribution Center—Cheyenne: Site visit and recommendations for drifting snow mitigation (2003).

**Wisconsin Department of Transportation (Waukesha)**

State Project 2015-03-00: Airport Spur (STH 119) N-S Freeway to Howell Avenue (Milwaukee): Site visit and recommendations for landscaping to mitigate blowing snow conditions (2003).

**Wyoming Department of Transportation (Cheyenne)**

Blowing Snow Mitigation Course: Presented two, 2-day classes for approximately 90 Maintenance and Design personnel (Casper, March 24-28, 2003).

**Transportation Research Board of the National Academies (Washington, D.C.)**

NCHRP Project 20-7(147): Preparation of technical report “Controlling Blowing and Drifting Snow with Snow Fences and Road Design” (2003).

**Red Lodge International Summer Ski and Snowboard Camp (Red Lodge, MT)**

Red Lodge Summer Race Camp: Site visit and recommendations for snow fence to reduce snow slides (2002).

**Wyoming Department of Transportation (Cheyenne)**

Safety Improvement Study on US287, Mile 401.00-425.42: Accident and weather analysis, surface temperature mapping, and field study to determine locations and specifications for RWIS instrumentation, snow fences, and other mitigation measures to reduce crash incidence between Laramie and Colorado State Line (2002-2005).

**Wyoming Department of Transportation (Cheyenne)**

Safety Improvement Study on I-80, Mile 215-311: Accident and weather analysis, surface temperature mapping, and field study to determine locations and specifications for RWIS instrumentation, snow fences, and other mitigation measures to reduce crash incidence between Rawlins and Laramie (2002-2005).

**Union Pacific Railroad (Salt Lake City, UT)**

Wind Sensor Location (Centerville, UT): Recommendations for siting wind monitor at Centerville, UT (2002).

**University of Wisconsin -- Madison (Madison)**

Snow and Ice Control Operations Course (Philadelphia, PA): Presentation on drift control methods for Snow and Ice Control course (October 22-23, 2002).

**University of Wisconsin -- Madison** (Madison)

Snow and Ice Control Operations Course (Madison, WI): Presentation on drift control methods for Snow and Ice Control course (October 7 - 8, 2002).

**Idaho Transportation Department** (Rigby)

Snow Control Training Course (Rigby): Presentation of one-day training course on mitigation measures for blowing and drifting snow (July 23, 2002)

**Inberg Miller Engineers** (Riverton, WY) / **Wyoming Department of Transportation** (Cheyenne)  
Oyster Ridge Section, Kemmerer-LaBarge: Designed snow fence system for 4.38 miles of US 189 (June 2002).

**Transportation Research Board of the National Academies** (Washington, D.C.)

NCHRP Project 20-7(147): Preparation of digital edition of Strategic Highway Research Program Report No. SHRP-H-381 (“*Design Guidelines for the Control of Blowing and Drifting Snow*”) (2001-2002).

**Wyoming Department of Transportation** (Cheyenne)

I-25 State Line to College Drive: Pavement temperature mapping to determine strategic placement for RWIS surface sensors and other ITS devices (2001).

**Burlington Northern Santa Fe Railroad** (Havre, MT)

West Glacier Wind Derailment: Field review of wind derailment problem between Browning and West Glacier, and recommendations for wind monitoring stations and wind screens (March 2002).

**TSP Two, Inc. / Wyoming Department of Transportation** (Sheridan / Cheyenne)

US189 Kemmerer-LaBarge, Fontenelle Reservoir Section: Recommendations for cross-section design and snow fences to minimize snowdrifting problems (2002).

**Banner Associates, Inc.** (Laramie) / **Wyoming Department of Transportation** (Cheyenne)

US287 Lamont - Muddy Gap, Muddy Gap South Section: Recommendations for cross-section design and snow fences to minimize snowdrifting problems on 18.7 km scheduled for reconstruction (2000-2002).

**Alaska Department of Transportation and Public Facilities** (Fairbanks)

Snow Fence Training Course: Presentation of one-day training course on snow fences and other mitigation measures for blowing and drifting snow at Whitehorse, Yukon Territory, Canada (March 1, 2002).

**Alaska Department of Transportation and Public Facilities** (Fairbanks)

**Snow Fence Training Course:** Presentation of one-day training course on snow fences and other mitigation measures for blowing and drifting snow at Nome, Fairbanks, and Palmer (December 10-14, 2001).

**Transportation Research Board of the National Academies** (Washington, D.C.)

**Design Guidelines for the Control of Blowing and Drifting Snow:** Preparation of updated digital editions of the Strategic Highway Research Program Report SHRP-H-381 (2001-2002).

**Wyoming Department of Transportation** (Cheyenne)

**Safety Improvement Study on I-80, Mile 325-335:** Accident and weather analysis, surface temperature mapping, and field study to determine locations and specifications for RWIS instrumentation, snow fences, and other mitigation measures to reduce crash incidence between Cheyenne and Laramie (2001-2002).

**University of Wisconsin -- Madison** (Madison)

**Snow and Ice Control Operations Course (Allentown, PA):** Presentation on drift control methods for Snow and Ice Control course (October 22-23, 2001).

**University of Wisconsin -- Madison** (Madison)

**Snow and Ice Control Operations Course (Madison, WI):** Presentation on drift control methods for Snow and Ice Control course (October 10-11, 2001).

**Idaho Transportation Department** (Boise)

**Snow fences for I-15, Humphrey to Montana State Line:** Evaluation of snow drifting problems and design of mitigation measures for 16-mile section of Interstate Highway 15 (2001-2004).

**New York State Department of Transportation** (Albany)

**Neversink Dam, Route 55:** Field review and recommendations for measures to mitigate whiteout conditions at dam (2001).

**Centaur HTP Fencing Systems, Inc.** (Muscle Shoals, Al)

**Staff Training and General Consultation:** One-day short-course for sales and management personnel in snow fence technology and market potential (2001).

**Cominco Alaska, Inc.** (Kotzebue, AK)

**Red Dog Port tank farm:** Field review of snowdrifting problems in tank farm, and design of mitigation measures (2001).

**Wyoming Department of Transportation** (Cheyenne)

**Pavement sensors for ice detection at Green River Tunnels:** Pavement temperature mapping to determine strategic placement for surface sensors at Green River tunnels, I-80 Mile 88-92 (2001).

**Phillips Alaska, Inc.** (Anchorage)

**Snowdrift Mitigation for Facilities at Kuparuk Field:** Field review of snowdrifting problems, recommendations for mitigation, and basic training in the use of snow fences (2001).

**Union Pacific Railroad** (Omaha, NE)



Snow fence system design on Powder River Subdivision, North Platte Division: Snow fence system design for nine sites between Mile 217 east of Crandall, and Shawnee (Mile265) (2001).

**Elk Mountain Recreation, Ltd.** (Elk Mountain, Wyoming)

Home Ranch corrals: Design of snow fence system to prevent snowdrifts from blocking access road (2001).

**Carter-Burgess, Inc. / Colorado Department of Transportation (Denver)**

Lynx crossing structures, US 160 east of Wolf Creek Pass: Snow data analysis and recommendations for the design of underpasses for Canada lynx (*Lynx canadensis*) (2001).

**Carter-Burgess, Inc. / Colorado Department of Transportation (Denver)**

US285 Foxton Road to Fairplay, Project No. NH2854-083: Recommendations for cross-section design and snow fences to minimize snowdrifting problems (2000-2001).

**Wisconsin Department of Transportation** (Madison)

Snow and Wind Mitigation, US Route 41 at CR "K" near Slinger, WI: Recommendations for tree and shrub plantings (October 2000).

**University of Wisconsin -- Madison** (Madison)

Snow and Ice Control Operations Course (Madison, WI): Presentation on drift control methods for Snow and Ice Control course (October 23-24, 2000).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Operations Course (Allentown, PA): Presentation on drift control methods for Snow and Ice Control course (October 30-31, 2000).

**TSP Two, Inc. / Wyoming Department of Transportation** (Sheridan / Cheyenne)

US189 Kemmerer-LaBarge, Slate Creek Section: Recommendations for cross-section design and snow fences to minimize snowdrifting problems (2000-2001).

**Union Pacific Railroad** (Salt Lake City, UT)

Wind derailment March 21, 2000 (Centerville, UT): Recommendations for wind monitoring, forecasts, and other mitigation measures to prevent wind-caused derailments along Wasatch Range (2000).

**Wyoming Department of Transportation** (Cheyenne, WY)

Nugget Canyon Bridge (U.S. 30 west of Kemmerer): Road surface temperature mapping and recommendations for surface sensor placement to detect preferential bridge icing and warning sign activation (2000).

**L. Robert Kimball & Associates / Pennsylvania Turnpike Commission** (Ebensburg & Harrisburg, PA)

Allegheny Tunnel Transportation Improvement Project: Analysis of winter weather conditions and possible blowing snow problems on alternative tunnel bypass (2000).

**Pennsylvania Department of Transportation** (Clearfield)

Snow mitigation training for design engineers and maintenance personnel: One-day course in measures to mitigate drifting snow and whiteout conditions (2000).

**Pennsylvania Department of Transportation** (Harrisburg and Clearfield)

SR 6220 (I-99) Improvements Project in Centre and Blair Counties: Site review, snow mitigation training for design team, and recommendations for snow mitigation on C-10 Design Section, Bald Eagle to Port Matilda (2000).

**Denver International Airport, City & County of Denver**

Winter Storm Mitigation Project (Denver, CO): Recommendations for improving snow and ice control on Peña Boulevard and other arterial roads. Mitigation measures include structural and vegetative snow fences, road and weather monitoring system, anti-icing spray systems, chemical applications, equipment, personnel, procedures, training, and public relations (1997-2000).

**CH2M Hill / Nevada Department of Transportation** (Reno, NV)

I-580: Mount Rose Highway to Bowers Mansion cut-off: Design of snow mitigation measures for final design phase (2000-2001).

**Brookhaven National Laboratory / SUNY Buffalo / New York State DOT** (Upton / Buffalo / Albany)

CADD-Based Expert System for Passive Snow Control (SNOWMAN): Technical consultant for expert system developed for NYSDOT by the Brookhaven National Laboratories and State University of New York (Buffalo). Also prepared climatologic database for New York State required by SNOWMAN (1998-2001).

**Montgomery, Rennie & Jonson** (Cincinnati, Ohio)

Warren vs. Ervin Findley, Inc.: Expert witness re: vehicle accident in blowing snow (1999).

**Banner Associates, Inc.** (Laramie) / **Wyoming Department of Transportation** (Cheyenne)

US287 Lamont - Muddy Gap, Lamont North Section: Recommendations for cross-section design and snow fences to minimize snowdrifting problems on 18.7 km scheduled for reconstruction (1999-2000).

**Commonwealth of Pennsylvania, Attorney General's Office** (Harrisburg)

Kosmack et al. Vs. Pennsylvania Department of Transportation et al.: Expert witness for State re: multi-vehicle accident during whiteout conditions on Cresson Mountain (1998-99).

**Wyoming Department of Transportation** (Sheridan)

Snow Fence Protection: US14 south of Burgess Junction: Design and field staking snow fence system on Scenic Byway in Bighorn National Forest (1998-2000).

**Minnesota Department of Transportation** (St. Paul)

Snow Control Design Conference (St. Cloud): Presentations on the principles of wind transport of snow and road design to mitigate blowing and drifting snow (September 20, 1999).

**Douglas A. Selby Architect / Wyoming Department of Transportation** (Cheyenne)

Lusk Rest Area: Review of building plans and site to recommend changes in door placement, footprint orientation and landscaping to minimize snowdrifting problems at entrance (1998-99).

**Snowbasin Ski Resort** (Salt Lake City, UT)

Strawberry Express Gondola: Preliminary consultation re: measures to mitigate snowdrifting at upper terminal (1998).

**CH2M Hill / Nevada Department of Transportation** (Reno, NV)

I-580: Mount Rose Highway to Bowers Mansion cut-off: Recommendations for snow mitigation during preliminary design phase (1998-99).

**Ulteig Engineers, Inc. / North Dakota Department of Transportation** (Fargo)

I-94 Noise Barrier at Fargo, ND: Review of alternatives for barrier placement and design, and recommendations to minimize impact on snow accumulation (1998-99).

**E-470 Public Highway Authority** (Englewood, CO)

E-470 Expressway Snowdrift Mitigation: Design of snow fence system at Peña Boulevard interchange, and system-wide evaluation of mitigation measures (1998).

**University of Northern Iowa** (Cedar Falls, IA)

Twelfth Annual Roadside Vegetation Management Conference: Presentation on "Blowing Snow and Roadside Vegetation Management (1998).

**Wyoming Department of Transportation** (Cheyenne, WY)

US 189 (Kemmerer-LaBarge) -- Wyoming 240 Junction Section: Design of snow fence system (1998).

**Wyoming Department of Transportation** (Cheyenne, WY)

US 189 (Kemmerer-LaBarge) -- Round Mountain Section, Kemmerer - La Barge: Review of proposed cross-sections with recommendations for changes to minimize snowdrifting problems, and design of snow fence system for 12.18 km scheduled for reconstruction (1998).

**Wyoming Department of Transportation** (Cheyenne, WY)

Construction Engineers' Training Course: 12-hour training in snow engineering for WYDOT construction engineers (Thermopolis, January 1998).

**Wyoming Department of Transportation** (Sheridan, WY)

Snow Fence Systems for US 14 (Powder River Pass) and US 16 (Burgess Junction): Assisted in obtaining permits for fences on Bighorn National Forest, including negotiations with U.S. Forest Service, modification of existing plans, and technical input for Environmental Assessment Report (1998).

**Denver Family Golf Center** (Denver, CO)

Sports Center Dome: Review of snow accumulation and snow removal practices around building, and recommendations for mitigation measures (1997).

**Minnesota Interagency Living Snow Fence Task Force**

Minnesota Interagency Living Snow Fence Symposium (Alexandria, MN): Technical presentation on blowing and drifting snow (October 1997).

**URS Greiner / Colorado Department of Transportation** (Denver, CO)

US Route 34 redesign, Brush to Akron : Subconsultant for snow engineering for highway re-design (1997-98).

**North Dakota Department of Transportation** (Bismarck)

Snow Fence Demonstration Project: Site review and design of snow fence systems for three locations on I-94, and one on I-29, Fargo and Bismarck districts (September-October, 1997).

**Minnesota Corn Processors** (Marshall, MN)

Snow Fence Protection for Rail Siding and Plant: Snow fence system design (August, 1997).

**Iowa Department of Transportation** (Ames)

Iowa Winter Training Expo: Presentations (four) on snow fences for state-wide training program for city, county, and state employees (1997)

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods for Snow and Ice Control course (October 6-7, 1997).

**Angel Fire Resort** (Angel Fire, New Mexico)

Chili Express Ski Lift (Domingo Express #3): Evaluation of wind problem and design of wind fence (August-September, 1997).

**Cuchara All-Seasons Resort** (Cuchara, Colorado)

Bear Bumps Ski Run: Site review and recommendations for controlling wind scour and snow deposition (September 1997).

**Iowa Department of Transportation** (Ames)

Snow Fence Training Course: Two one-day "trainer development" courses on blowing snow and snow fences, for state DOT personnel (August 19-20, 1997).

**10th Mountain Division Hut Association** (Aspen, CO)

Eisemann Hut (Vail, CO): Site review and recommended snowdrift mitigation measures (August 1997).

**Mobile Exploration and Producing U.S., Inc.** (Big Piney, Wyoming)

Snow Fence Seminar and Fence System Design: Half-day presentation on snow fences, and field layout of fences for selected locations (June, 1997).

**Union Pacific Railroad** (Omaha, NE)

Tehachapi Mountains Wind Detection System (Mojave to Keene, CA): Review of wind hazards and selection of sites for permanent wind sensors (May 1997).

**Burlington Northern Santa Fe Railroad** (Topeka, KS)

Front Range Division Wind Detectors: Field review and selection of monitoring sites between Bordeaux, WY, and Boulder, CO (August 1997).

**Burlington Northern Santa Fe Railroad** (Topeka, KS)

Tehachapi Mountains Wind Detection System (Mojave to Keene, CA): Independent assessment of wind hazards and selection of sites for permanent wind sensors (May 1997).

**Squaw Valley Ski Area** (Olympic Valley, CA)

Shirley Lake, East Broadway, and Red Dog Lifts: Field review of wind problems, recommendations, and conceptual design of mitigation measures (May 1997).

**Burlington Northern and Santa Fe Railway Company** (Glendive, MT)

Winter Debriefing Meeting (Mandan, ND): Presentation and consultation on snow problems on BNSF lines in North Dakota, 1996-97 winter (April 1997).

**Wenk Associates / BRW, Inc.** (Denver, CO)

Long Lake Ranch Regional Park: Review of potential wind conditions at proposed regional park for Jefferson County, Colorado, analysis of climatological data, and recommendations for facility siting and design to minimize adverse effects of wind (1997).

**Minnesota Department of Transportation** (Windom, MN)

Snow Control Measures: Regions 6B, 7A, 7B: Review of snowdrifting problems at eighteen sites in southern Minnesota, and design of snow control measures (1997).

**Colorado Department of Transportation** (Greeley, CO)

US Route 34, Brush to Akron: Field Observations: Contract with DOT for obtaining field observations of snow problem locations and storm characteristics as required for design (preliminary to work with URS Greiner) (1997-98).

**Alaska Anvil, Inc. / ARCO Alaska Inc.** (Anchorage, AK)

Snow Fences for Drill Sites DS-1C and DS-1D: Designed permanent snow fence systems to protect drill sites at Kuparuk River Unit west of Prudhoe Bay (1997).

**Union Pacific Railroad Company** (Omaha, NE)

Snow Fence Location Survey: Location survey of snow fence system at Sherman Hill, Wyoming (1997).

**Cold Regions Research and Engineering Laboratory, U. S. Army** (Hanover, New Hampshire)

Prototype Snow Accumulation Rates for Wind Tunnel Calibration: Field measurements of snow accumulation around solid fence, elevated building, and cylinder (1996-97).

**Conwed Plastics** (Minneapolis, MN)

Field Tests: Snow fence product testing/evaluation (1996-97).

**Wyoming Department of Transportation** (Cheyenne, WY)

Construction Engineers Training Course: 12-hour training in snow engineering for WyDOT construction engineers (January 1997).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods for Snow and Ice Control course (October 7-8, 1996).

**Federal Highway Administration** (Washington, D.C.)

SHRP Snow and Ice Control Showcase: Presentations on controlling blowing snow (Council Bluffs, Iowa; August 8-10, 1996).

**City of Casper, Wyoming** (Casper, Wyoming)

Casper Landfill Project: Recommendations for siting and mitigation measures for controlling fugitive debris, blowing sand, and blowing snow (in conjunction with Western water Consultants, Casper, Wyoming)(1996-97).

**Wyoming Department of Transportation** (Cheyenne, Wyoming)

RWIS Study: Review of state-wide Road and Weather Information System, and recommendations for modifications, training, and utilization (1996-98).

**Burlington Northern and Santa Fe Railway Company** (Kansas City, Kansas)

Weather monitoring system, Wellington, Kansas, to Fort Sumner, New Mexico: Selection of sites and instrumentation for weather stations (1996).

**Molycorp, Inc., A Unocal Company** (Mountain Pass, California)

Dust Control for Primary Crusher: Recommended measures for dust control at Mountain Pass Plant (1996).

**Northern States Power** (Minneapolis, Minnesota)

Parker Lake Substation: Field evaluation of road salt contamination of insulators, and recommended mitigation measures (May, 1996).

**Tahoe Donner Ski Area** (Truckee, California)

Tahoe Donner Ski Lift: Field review and design of measures to improve snow and wind conditions at top terminal (May, 1996).

**Hooker Brothers, Inc.** (Grand Island, Nebraska)

Grand Island Pit: Field evaluation and recommended measures to mitigate fugitive dust and sand (May, 1996).

**National Cooperative Highway Research Program / Transportation Research Board**

(Washington, D.C.)

Workshop on Winter Maintenance Guide and Cooperative Program: Invited participant for Workshop to develop Winter Maintenance Guide, and AASTO Snow and Ice Pooled Fund Cooperative Program (April, 1996).

**Jackson Hole Ski Corporation** (Teton Village, Wyoming)

Rendezvous Peak Aerial Tramway: Field evaluation of snowdrift problem at upper terminal, and conceptual design of fence system (February, 1996).

**Colorado Department of Transportation, Region IV** (Greeley, Colorado)

Training course in blowing snow control: Region-wide training course for maintenance supervisors and design engineers (December, 1995).

**ADP Fluor Daniel / Micron Technology, Inc.** (Tucson, Arizona / Lehi, Utah)

Micron Lehi Manufacturing Unit: Evaluation of potential snow problems at the plant site (under construction) and recommended mitigation measures. Scope included roof design, parking lot, roads, landscaping, and snow and ice melting systems (1995-96).

**Creative Golf Project, Inc.** (Toronto, Ontario)

Wind control measures: Evaluation of existing wind control measures at driving range, and recommendations for modifications (1995).

**Cold Regions Research and Engineering Laboratory, U. S. Army** (Hanover, New Hampshire)

Prototype Snow Accumulation Rates for Wind Tunnel Calibration : Field measurements of snow accumulations around solid fence, cube, and cylinder (1995-96).

**Eastman Kodak Company, Kodak Colorado Division** (Windsor, Colorado)

Snow control measures for plant site: Field review of blowing snow problems and recommendations for snow fence placement and design (1995).

**E.S. Robbins Corporation** (Muscle Shoals, Alabama)

Retainer arrangement for engineering assistance: Customer assistance and design services for wind and snow fence installations using Centaur HTP fencing products (1995-96).

**Tensar Polytechnologies, Inc.** (Morrow, Georgia)

New product testing: Field study of new fencing product (1995-96).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods for Snow and Ice Control course (1995).

**University of Colorado, Institute of Arctic and Alpine Research** (Boulder, Colorado)

Fabrication of specialized measuring equipment: Fabrication of four point quadrat frames and one 7-m snow probe (1995).

**Alpine Meadows Ski Area** (Tahoe City, California)

Wind fence for Summit chair lift: Design details for Summit wind fence (1995).

**Colorado Department of Transportation, Region IV** (Greeley, Colorado)

Bijou Interchange, I-70: Field review of potential snow problems at new interchange under construction, and recommendations for mitigation measures (1995).

**BRW, Inc. / U. S. Army** (Hawthorne, Nevada)

Thorne Branch, Southern Pacific Railroad: Design of sand control measures for railroad serving Hawthorne Ammunition Plant (1995).

**Alpine Meadows Ski Area** (Tahoe City, California)

Wind fences for Summit and Scott chair lifts: Field review of wind problems at Summit and Scott Peak lifts, and design of wind screens (1995).

**DeLeuw, Cather and Company / New York State Department of Transportation** (Buffalo, New York)

U.S. Route 219: Salamanca to Springville, N.Y.: Mapped potential snow problems within probable corridor limits and analyzed climatological data for corridor evaluation and highway design (1995).

**Molycorp, Inc., A Unocal Company** (Mountain Pass, California)

Dust control for tailings pond P-16: Recommended measures for dust control and mitigation of fugitive material at Mountain Pass Plant (1994).

**Burlington Northern Railroad** (Douglas, Wyoming)

Shawnee Junction snow fence system (Wyoming): Designed and field-staked snow fence system (1994).

**Kenetech Windpower, Inc. / Mariah Associates, Inc.** (Livermore, California / Laramie, Wyoming)

Footo Creek Rim Wind Power Development (Wyoming): Prepared report on effects of proposed development on snow distribution (1994).

**Land Plan Services Inc. / Stein Orchards** (Moab, Utah / Boise, Idaho)

Quail Ridge cherry orchard (Washington): Recommendations and design of wind screen to protect orchard (1994).

**Tensor Polytechnologies, Inc.** (Morrow, Georgia)

Ontario Ministry of Transportation specifications: Critical review of proposed specifications for snow fence (1994).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control course (Madison): Presentation on drift control methods for Snow and Ice Control course (1994).

**Union Pacific Railroad** (Omaha, Nebraska)

Blowing sand mitigation project: Salt Lake City, Utah, to Reno, Nevada: Field review, conceptual design of control measures, and recommendations for pilot tests (1994).

**Aspen Skiing Company** (Aspen, Colorado)

Wind data analysis and avalanche loading curves: Snowmass Ski Area: Analysis and interpretation of wind data, and development of computer program for estimating avalanche loading rate (1994).

**University of Colorado, Institute of Arctic and Alpine Research** (Boulder, Colorado)

Snowpack Alteration Experiment on Alaska's North Slope: Design and prototype of 2.4-m-tall snow fence suitable for annual installation and removal, for long-term ecology study at Toolik Lake and other sites on Alaska's North Slope (1994).

**E.S. Robbins Corporation** (Muscle Shoals, Alabama)

Centaur HTP fencing: Product field testing and assistance with marketing literature (1994).

**Elk Mountain Recreation, Ltd.** (Elk Mountain, Wyoming)



(1) Snow fence system to protect home ranch, and (2) beach erosion control, Wakan Tanka Lake: Design and field staking of snow fences to prevent snowdrifts at headquarters, and conceptual design of measures to reduce lakeshore erosion (1994).

**Rocky Mountain Research Laboratory, U.S. Forest Service** (Laramie, Wyoming)

Study of aerodynamic drag on scaled-model shelterbelts: Calculations of time required for snow fences to reach equilibrium, and misc. calculations and consultation (1994).

**New York State Department of Transportation** (Buffalo, New York)

Evaluation of Snow Fence System on US 219: Evaluation of design criteria, construction, and performance (1994).

**Waterville Valley Company** (Waterville, New Hampshire)

Main Street wind fence: Design of wind fence to protect chairlift at Waterville Valley, N.H. (1994).

**Wyoming Department of Transportation** (Cheyenne, Wyoming)

Computer-Aided Design of Drift Control Measures: Development of state-wide data base of wind direction, snowfall, and potential snow transport; and improved guidelines for designing drift-free roads (1994-96).

**U.S. Forest Service / Cogan Owens Cogan** (Aspen, Colorado)

Environmental Impact Statement, Snowmass Ski Area: Evaluated potential wind problems associated with proposed gondola and ski lifts (1993).

**Burlington Northern Railroad** (Gillette, Wyoming)

Snow fence protection for switches between East Fisher and Old East Reno: Designed snow fences for eleven locations (total fence length = 12,640 ft) (1993).

**Eldora Mountain Resort** (Nederland, Colorado)

Wind screen for chair lift: Consulting services on wind screen design and construction (1993).

**Union Pacific Railroad Company** (Omaha, Nebraska)

Crossover at MP 710: Designed and field-staked 3,500-ft snow fence system to protect new crossovers from blowing snow (1993).

**Storage Technology Corporation** (Louisville, Colorado)

Wind mitigation measures for Parking Lot 9S: Evaluation of blowing sand problem and recommendations for mitigation; recommendations for fugitive dust control during future construction (1993).

**Institute of Arctic and Alpine Research, University of Colorado** (Boulder, Colorado)

Niwot Ridge Snow Fence: Prefabrication of 8' x 200' seasonal snow fence for ecology studies on Niwot Ridge (1993).

**Waterville Valley Company** (Waterville, New Hampshire)

Sunnyside Lift wind fence: Design of wind fence to protect chairlift at Waterville Valley, N.H. (1993).

**Canadian Pacific Railroad** (Montreal, Quebec)

Wind mitigation study: Consultation on wind derailment problem (1993)

**Burlington Northern Railroad** (Havre, Montana)

Browning wind fence: Design for wind fence extension at Browning, Montana (in association with WWC Engineering, Inc.)(1993).

**Union Pacific Railroad Company** (Omaha, Nebraska)

Wind Study on No. 3 Track, Speer to Dale Junction, Wyoming: Evaluation of wind-related problems (derailments, container and lid blow-off) to determine preventive measures such as wind fences, short-term forecasts, wind monitoring, and utilization of wind data in the computer-assisted dispatching system (1993).

**Albany County, Wyoming / Wyoming Department of Transportation** (Laramie, Wyoming)

Big Hollow Road: Designed snow fence system to protect Big Hollow Road west of Laramie, Wyoming (1993).

**Minnesota Department of Transportation** (St. Paul)

I-90 Snow Fence Demonstration Project: Design and evaluation of a snow fence demonstration near I-90 Mile 68 (1993-94).

**GE Government Services, Inc. (Martin Marietta) / United States Air Force** (Elmendorf AFB, Alaska)

Tin City and Barter Island (Alaska) Long-Range Radar Sites: Design of snow fence systems to protect sites (1993).

**American Railway Engineering Association** (Washington, D.C.)

AREA Manual: Rewrote section on measures to prevent snowdrift problems on railroads: Sections 6.7 and 6.8 (Pages 1-6-16 to 1-6-35 (1990-93). Published in 1994.

**Colorado Ski Country USA** (Denver)

13th Annual Snowmaking & Slope Maintenance Conference (Grand Junction, Colorado)  
Presentation on "What's New in Snow Fences" (1993).

**Colorado Ski Country USA** (Denver)

Rocky Mountain Lift Association's 22nd Annual Conference (Keystone, Colorado)  
Presentation on "What's New in Wind Fences for Lift Protection?" (1993)

**Lynberg & Watkins, Attorneys at Law / County of San Bernardino** (Upland, California)

Mary E. Case v County of San Bernardino et al. Consultant/expert on behalf of the County of San Bernardino, California, regarding blow sand problem at Newberry Springs adjacent to the Mojave River east of Barstow (1992-94).

**University of Colorado, Institute of Arctic and Alpine Research** (Boulder)

Niwot Ridge Snow Fence Experiment: Location, design, and technical consultation for long-term experiment to determine effects of increased snow accumulation on alpine vegetation (1992-93).

**Japan International Science & Technology Exchange Center** (Tokyo, Japan)

International Workshop on Winter Road Management: Selected as one of two representatives from the U.S. to participate at workshop in Sapporo, Japan, to develop improved methods for preventing "snow disasters" (January, 1993).

**Burlington Northern Railroad** (Havre, Montana)

Midvale Creek Bridge Wind Screen: Design for 20-ft x 1,500-ft fence to prevent wind caused derailments on bridge at East Glacier, Montana (in association with WWC Engineering, Inc.)(1992).

**Prince Edward Island Department of Transportation** (Charlottetown, P.E.I., Canada)

Snow Control Design Manual and Demonstration Project: Preparation of manual for blowing snow control, and implementation and evaluation of snow fence demonstration projects (in conjunction with UMA Engineering Ltd., Charlottetown) (1992-93).

**American Public Works Association** (Colorado Chapter)

12th Annual Western Snow and Ice Fleet Management Conference: Presentation on the state of the art of drift control (October 13-15, 1992; Lakewood, Colorado).

**Roy Jorgensen Associates, Inc.** (Buckeystown, Md.)

SHRP Snow and Ice Control Seminar: Preparation of one-day training course and instructor's manual for blowing snow control, sponsored by the Strategic Highway Research Project, National Research Council (1992).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods for Snow and Ice Control course (1992).

**Union Pacific Railroad Company** (Omaha, Nebraska)

Hovey Switch Heater Installations, Wyoming: Reviewed new switch heater installations to determine potential problems related to blowing snow (1992).

**Mont Tremblant** (Jovet, Quebec)

Wind Protection for Detachable Quad Lift: Field review of wind-related operations problems and feasibility study of wind fences (in association with Chris Stethem Associates, Ltd.) (1992).

**Cominco Alaska Inc.** (Red Dog, Alaska)

Port Road Snow Fence System: Evaluated performance of fences installed in 1991, revised criteria, and recommended placement of 20,000-ft snow fences to be installed in the fall of 1992 (1992).

**ARCO Alaska, Inc.** (Anchorage, Alaska)

Drill Site L2 Snow Fence System: Designed snow fence system for west side of pad at Prudhoe Bay, incorporating new type of fencing material (1992).

**Arapahoe-Roosevelt National Forests, U.S. Forest Service** (Ft. Collins, Colorado)

Facilities for Cameron Pass Picnic Area, Zimmerman Pass Trailhead, Joe Wright Reservoir Parking: Consultation for siting facilities to prevent snow drifting problems (1992).

**BP Exploration (Alaska) inc.** (Anchorage, Alaska)

S-Pad Flowline Expansion Loop: Analyzed snow drifting problem at Prudhoe Bay and designed snow fence system (1992).

**New York State Department of Transportation** (Albany, New York)

Passive Snow Control Measures on US Route 219: Analyzed snow drifting problems on 25-mile section of southern expressway between Buffalo and Springville, and designed snow control measures for thirty-three sites (1992).

**Alaska Department of Transportation & Public Facilities / University of Alaska** (Fairbanks)

Alaska Snow Control Workshops: Presented 1-day workshops on snow fences and other drift control measures in Anchorage, Fairbanks, and Juneau; and 2-hour evening courses in Fairbanks and Palmer, for Alaska Technology Transfer Program (November 4-8, 1991).

**Strategic Highway Research Program, National Research Council** (Washington, D.C.)

SHRP Contract H-206: Research on the control of blowing snow, in association with the University of Wyoming (1991-92).

**Alaska Department of Transportation and Public Facilities** (Juneau)

Klondike Highway: Evaluation of snow removal operations and recommendations for geometric changes to reduce winter maintenance costs between Skagway and Canadian Border (1991-92).

**Eldora Mountain Resort** (Nederland, Colorado)

Snow Fencing Program: General consultation on snow fence applications (1991).

**Thunder Basin Coal Company** (Wright, Wyoming)

Fugitive Dust Study: Reviewed sources of fugitive dust emissions and recommended measures for mitigation (1991).

**The Prudential Company** (Plymouth, Minnesota)

Walkway Wind Fence: Reviewed plans for proposed fence to protect walkway between parking area and building, and proposed modifications and alternative landscaping (1991).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods for Snow and Ice Control course (1991).

**San Bernardino County Air Pollution Control District** (California)

Newberry Springs sand encroachment study: Analyzed problem of Aeolian sand transport and deposition impacting developed property along Mojave River near Barstow, California, to determine probable cause and possible mitigative measures (1991).

**Pueblo Board of Water Commissioners** (Pueblo, Colorado)

Hagerman Pass Snow Fence: Designed snow fence system to protect caretaker access road (1991).

**Cominco Alaska Incorporated** (Kotzebue, Alaska)

Red Dog Mine Airstrip and Port Road: Reviewed snow drifting problems at airstrip and 55-mile haul road between Red Dog and Kivalina, and designed snow fence pilot tests (1991).

**City of Kaktovik, Alaska** (Kaktovik, Alaska)

Kaktovik Snow Fence: Reviewed snowdrifting problems in town and existing plans for snow fences; negotiated for easements from federal government, and designed surface-mounted snow fence (1991).

**BP Exploration (Alaska) Inc.** (Prudhoe Bay)

1992 Snow Fences: Reviewed snowdrifting conditions and designed snow fence systems for Well Pads E, R, and T (1991).

**ARCO Alaska Inc.** (Prudhoe Bay)

Snow Fence Design Criteria: Field review of existing snow fences, and reevaluation of snow fence design criteria (1991).

**ARCO Alaska Inc.** (Prudhoe Bay)

Snow Control for Facilities: Reviewed snowdrifting conditions and recommended control measures for a) Regional Disposal Site, b) Oily Waste Disposal Pit, c) Drill Site 14, and d) West Dock Causeway (1991).

**Burlington Northern Railroad** (Havre, Montana)

Browning Wind Fence: Designed wind screen (2,000- x 18-ft) wind screen to prevent wind-caused derailments (1991).

**Burlington Northern Railroad** (Havre, Montana)

Spotted Robe Snow Fence System: Designed snow fence system to protect 0.5 miles of track west of Spotted Robe, Montana (1991).

**Killington Ltd.** (Killington, Vermont)

Wind Screens for Killington Ski Area: Designed wind screens to protect Superstar, Glades, and Snowshed Lifts (1991).

**Mount Snow Ski Area** (Mount Snow, Vermont)

Wind Screens for Mount Snow Ski Area: Designed wind screens and other protective measures for chair lifts 11 and 17 (1991).

**The Stratton Corporation** (Stratton Mountain, Vermont)

Starship Gondola wind screen: Designed 32-ft-tall fence [in association with Western Water Consultants, Inc.] (1991).

**Minnesota Department of Transportation** (St. Paul, Minnesota)

Minnesota Snow Control Workshop: Presented 1-day workshop on snow fences and road design for 60 participants (February 6, 1991; Mankato, Minnesota).

**Wyoming Highway Department** (Casper, Wyoming)

Casper Mountain Road: Review of snowdrifting problems and recommendations for control measures (1991).

**Wyoming Highway Department** (Cheyenne, Wyoming)

Two-Dot Ranch Stockwater Project: Designed stockwater ponds utilizing snow fences for water supply, as required under right-of-way agreement for Chief Joseph Scenic Highway (SR 296) near Cody, Wyoming (1991).

**Geneva Steel** (Provo, Utah)

Fugitive Foam Control: Conceptual design for wind screen and other measures to control foam blowing out of reactor tanks (1990).

**Centaur HTP Fencing Systems, Inc.** (Muscle Shoals, Alabama)

Test of Centaur Snow Fence (Wyoming): Field test of 13-ft snow fence and marketing consultation (1990-91).

**Conwed Plastics** (Roseville, Minnesota)

Snow Fence Tests (Wyoming): Field test of All-Purpose barrier for snow fencing; development and testing of improved installation guidelines (1990-91).

**Public Service Company of Colorado** (Golden, Colorado)

Lookout Center Snow Fence: Designed snow fence system to protect entrance to building (1990).

**Cornell University Local Roads Program** (Ithaca, New York)

Workshops on Winter Maintenance: Presented sessions on drift control for workshops in Syracuse, Niagara Falls, Hudson, and Lake George (1990).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods (1990).

**Roy Jorgensen Associates, Inc.** (Buckeystown, Maryland)

SHRP Snow Fence Video: Provided technical information, video and photographic materials, and assisted in filming and writing script (1990-91).

**Wyoming Highway Department** (Sheridan, Wyoming)

US-16 Snow Study: Analyzed snow problems, designed snow fence system to minimize visual impact, assisted in easement negotiations with U.S. Forest Service (1990-91).

**Wyoming Highway Department** (Sheridan, Wyoming)

US-14 Snow Study: Preliminary review of drifting problems (1990-91).

**Wyoming Highway Department** (Rock Springs, Wyoming)

US-191 Snow Study: Preliminary review of drifting problems, and recommendations for snow fencing (1990-91).

**Wyoming Technology Transfer Center (University of Wyoming)** (Laramie)

Workshops on Snow and Ice Control for Local Roads and Streets: Presented lectures on snow fence location and design for workshops in Cheyenne, Casper, and Rock Springs (1990).

**Strategic Highway Research Program, National Research Council** (Washington, D.C.)  
SHRP Contract H-206: Research on the control of blowing snow, in association with the University of Wyoming (1990-91).

**Schweitzer Mountain Resort** (Sandpoint, Idaho)  
Great Divide Snow Fence: Consultation on fence placement and design, using new portable fence (1990).

**The Tensar Corporation** (Morrow, Georgia)  
Temporary Snow Fence: Developed and tested 6.5- and 8-ft-tall portable snow fence panels suitable for temporary installations (1990-91).

**American Railway Engineering Association** (Washington, D.C.)  
AREA Manual: Rewrote section on fences for snow control (Sections 6.7 and 6.8) (1990-93).  
Published in 1994.

**Bridger Bowl** (Bozeman, Montana)  
Bridger Bowl Snow Fence Project: Designed snow fence for wind-stripped ridge (1990).

**Jackson Hole Ski Corporation** (Jackson, Wyoming)  
Easy-Does-It Run Snow Fence: Plans for design and placement of snow fence (1990).

**Waterville Company, Inc.** (Waterville Valley, New Hampshire)  
Waterville Valley Ski Area: Evaluated wind problem at Sunnyside lift and High Country Quad, and designed wind fences (1990).

**Clear Creek Skiing Corporation** (Georgetown, Colorado)  
Loveland Basin Snow Fences: Consultation on snow fence design and placement (1990).

**Alaska Department of Transportation and Public Facilities** (Juneau)  
Skagway-Klondike Highway: Evaluation of snow removal operations and recommendations for geometric changes to reduce winter maintenance costs (1990-91).

**Alta Ski Lifts, Inc.** (Alta, Utah)  
Alta Ski Area: Reviewed snow fencing program and summer grooming plans (1990).

**Aspen Skiing Company** (Aspen, Colorado)  
Snowmass Ski Area: Reviewed snow fencing program and problem locations (1990).

**Colorado Ski Country USA** (Denver)  
1990 Annual Spring Snowmaking/Slope Grooming Conference: Presentation on snow and wind control (Breckenridge, Colorado; 1990).

**Banner Associates, Inc. / State of Wyoming Water Development Commission** (Laramie, Wyoming)  
Wheatland Reservoir No. 2 Dam Rehabilitation Project: Mitigation of drifting snow problems in canal system (1990).

**Wyoming Highway Department** (Cheyenne, Wyoming)

Wyoming Snow Control Shortcourse: Presented 8-hour course on snow fences and road design for 120 participants from Wyoming, Colorado, Utah, and New Hampshire (February 21-22, 1990).

**Strategic Highway Research Program, National Research Council** (Washington, D.C.)

SHRP Contract H-206: Research on the control of blowing snow, in association with the University of Wyoming (1989-90).

**Landmark Reclamation, Inc.** (Denver, Colorado)

Confidential: Review of fugitive dust problem at mine and recommendations for mitigation (1990).

**Alaska Department of Transportation / Gleason Research Inc.** (Nome, Alaska)

Nome-Council Highway: Designed snow fence system for Mile 5.5-6.3, and provided conceptual design for surface-mounted fences. Provided 4-hr training course at Nome (1989-90).

**The Tensar Corporation** (Morrow, Georgia)

Snow Fence Tests (Wyoming): Field tests of snow fence products and installation guidelines (1989-90).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods (1989).

**BP Exploration, Inc.** (Anchorage, Alaska)

C-Pad Snow Fence: Designed snow fence to protect C-Pad at Prudhoe Bay (1989).

**New York Department of Transportation** (Buffalo, New York)

U.S. Route 219 Snow Fence Project: Consultation services for design of 8-ft x 1,000-ft snow fence (1989).

**City of Shaktoolik, Alaska** (Shaktoolik, Alaska)

Snow Fence System for City of Shaktoolik: Designed 1,000-ft snow fence to prevent snowdrifts (1989).

**American Public Works Association / City of Aurora** (Aurora, Colorado)

Presentation for Western Snow Conference 1989: Presentation on the state of the art of drift control (1989).

**Landmark Reclamation, Inc.** (Denver, Colorado)

Fugitive Dust Control Project: Analyzed wind data and developed plan for dust control measures for mine tailings pile in Arizona (1989).

**BP Exploration, Inc.** (Anchorage, Alaska)

Endicott Island turbines: Recommendations for measures to prevent snow from plugging turbine air intake filters (1989).

**Union Pacific Railroad Company** (Omaha, Nebraska)



Snow fence systems for selected sites in southeast Wyoming: Designed and field staked snow fence systems for seven sites between Mile 540 and 674, comprising 34,000 feet of fence (1989).

**Gottsch Feeding Corporation** (Juniata, Nebraska)

Red Cloud Feedyard: Evaluated alternative layouts for proposed feedyard near Red Cloud, Nebraska, to minimize snow and wind problems (1989).

**ARCO Alaska, Inc., and BP Exploration, Inc.** (Anchorage, Alaska)

Prudhoe Bay Snow Fence Design Review: Reviewed design criteria for snow fences on the North Slope (1989).

**Banner Associates, Inc.** (Laramie, Wyoming)

Snow Engineering Training Course: Conducted 2-day training course in drift control for engineering staff (1989).

**Banner Associates, Inc.** (Laramie, Wyoming)

Clarks Fork Road Project: Reviewed snow drifting problems and recommended design standards and control measures for 13.5-mile section of road being designed for Wyoming Highway Department (1989).

**ARCO Alaska, Inc.** (Anchorage, Alaska)

Lisburne Snow Fence Project (Prudhoe Bay): Reviewed plans for snow control measures at Lisburne Production Center and Drill Sites L-3 and L-5 at Prudhoe Bay (1988-89).

**Standard Alaska Production Co.** (Anchorage, Alaska)

Big Lake Reservoir Snow Fence Project: Designed 1,000-ft snow fence to accumulate snow for insulation and augmentation of water supply at Prudhoe Bay (1988-89).

**Standard Alaska Production Co.** (Anchorage, Alaska)

A-Pad Snow Fence System: Designed 3,800-ft snow fence system for drift control for production pad at Prudhoe Bay (1988-89).

**The Tensar Corporation / Confidential** (California)

Fugitive Dust Control Project: Reviewed fugitive dust problem at coke bulk loading terminal in California, and recommended control measures (1988).

**Colorado Transportation Information Center (Colorado State University)** (Fort Collins)

Colorado Snow Control Workshops: Organized and conducted one-day workshops in drift control at Alamosa and Fort Morgan, Colorado (1988).

**Wyoming Highway Department** (Cheyenne, Wyoming)

State of Wyoming V. Joe Miller Land Company: Expert witness testimony in condemnation hearing for snow fence easements, Albany County, Wyoming (1988).

**Strategic Highway Research Program, National Research Council** (Washington, D.C.)

SHRP Blowing Snow Research: Conducted research on the control of blowing snow as part of SHRP Contract H206, in association with the University of Wyoming (1988).

**Union Pacific Railroad Company** (Omaha, Nebraska)

Lookout Snow Fence System: Designed 5,300-ft snow fence system to protect hot-box scanners (1988).

**University of Wisconsin -- Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods (1988).

**Colorado Association of Road Supervisors and Engineers (CARSE)** (Breckenridge, Colorado)

CARSE Summer Meeting: Presentation on state of the art of snowdrift control (1988).

**Commerce Construction Co. / Ford Motor Co. / Union Pacific Railroad Co.** (City of Industry, Calif.)

Ford Predelivery Facility, Mira Loma: Evaluated blowing dust problem at alternative sites and recommended dust control measures (1988).

**ARCO Alaska, Inc.** (Anchorage, Alaska)

Central Compressor Plant Snow Fence System: Designed snow fence system to protect facility at Prudhoe Bay (1988).

**ARCO Alaska, Inc.** (Prudhoe Bay, Alaska)

Lisburne Flare Flameout Problem: Designed measures to prevent flare blowout (1987-88).

**McDonald, Stonebraker, and Cepican** (Davenport, Iowa)

Wells V. State of Iowa: Provided expert witness testimony for legal proceedings arising from snow-related auto accident (1987-88).

**Landmark Reclamation, Inc. / Confidential** (New Mexico)

Uranium Mill Tailings Project: Reviewed problem of fugitive dust from tailings and recommended control measures (1987).

**Standard Alaska Production Company** (Anchorage, Alaska)

GC-2 Snow Fence System: Designed 5,800-ft snow fence system for drift control for facility at Prudhoe Bay (1987).

**Jankovsky Ranches** (Rock River, Wyoming)

Jankovsky Ranch Access Road: Re-designed access road to prevent snowdrifts (1987).

**U.S. Bureau of Indian Affairs, Division of Transportation** (Denver, Colorado)

Presentation on Drift Control: Presentation on drift control methods at Annual Road Programs Managers Conference (1987).

**ITW Enterprises Corporation** (Glenview, Illinois)

Product Research and Development: Consultation and field testing of new snow fence designs (1987).

**University of Wisconsin--Madison** (Madison, Wisconsin)

Snow and Ice Control Course (Madison): Presentation on drift control methods (1987).

**The Tensar Corporation** (Morrow, Georgia)

Product Research and Development: Consultation in development of new products and installation guidelines (1987).

**Montana Rural Technical Assistance Program, Montana State University** (Bozeman, Montana)

Montana Snow Control Workshop (Lewistown): Organized and presented two-day workshop on snow control methods (1987).

**Northwest Territories, Department of Public Works and Highways** (Yellowknife)

Drift Control Training Course (Yellowknife): One-day training course in drift control (1987).

**ARCO Alaska, Inc.** (Prudhoe Bay)

Aerial Survey of Drifts on Pipelines: Developed plans and specifications for aerial survey of snow conditions along pipelines at Prudhoe Bay (1987).

**Alaska Department of Transportation** (Juneau, Alaska)

Skagway-Klondike Highway: Evaluated snowdrifting problems and designed drift control measures (1987).

**Landmark Reclamation, Inc.** (Denver, Colorado)

Landmark Wind Engineering Program: Assisted in developing program and marketing for services in wind and dust control (1986-87).

**University of Wisconsin--Madison** (Madison, Wisconsin)

Snow Control Institute '87 (Kona Kailua, Hawaii): Developed and conducted technical training course in snow control engineering (1986-87).

**ATP Corporation** (Ashtabula, Ohio)

Tenax Gigan Snow Fence Tests (Wyoming): Conducted field tests of snow fence materials (1986-87).

**North Slope Borough Planning Office** (Anchorage, Alaska)

Kaktovik Snow Fence Project (Kaktovik, Alaska): Reviewed plans for snow fence system to protect village, and recommended modifications (1986-87).

**R&M Consultants, Inc. / U.S. Bureau of Land Management** (Anchorage, Alaska)

Seward Peninsula Snow Distribution Study: Developed snow distribution models for BLM reindeer allotment (1986-87).

**Landmark Reclamation, Inc. / Confidential** (Nevada)

Copper Mill Tailings Project: Reviewed blowing sand / fugitive dust problem and designed control measures (1986).

**The Tensar Corporation** (Morrow, Georgia)

Snow Fence Calculator: Developed slide rule for designing snow fences (1986).

**Summitville Consolidated Mining Company, Inc.** (Del Norte, Colorado)  
Snow Control Plan for Summitville Mine: Developed snow control plan for Summitville Mine (1986).

**University of Wisconsin--Madison** (Madison, Wisconsin)  
Snow and Ice Control Course, 1986 (Madison): Presentation on drift control methods.

**Summitville Consolidated Mining Company, Inc.** (Del Norte, Colorado)  
Snow Fence System for Park Creek Road: Designed and field-staked snow fence system to protect access road to Summitville Mine (1986).

**Signode Corporation** (Glenview, Illinois)  
Signode Technical Manual: Developed manual for determining wind loads and fence design (1986).

**The Tensar Corporation** (Morrow, Georgia)  
Tensar Technical Manual: Developed technical manual for wind loads and fence design (1986).

**Wyoming State Highway Department** (Cheyenne, Wyoming)  
Round Mountain Section, US 189 (Kemmerer, Wyoming): Study of alternative route locations for reconstruction of highway (1986).

**Bechtel Civil and Minerals, Inc.** (San Francisco, California)  
Summitville Gold Mine (Colorado): Designed snow fences and other measures to control drifts along conveyor lines (1986).

**SOHIO Alaska, Inc.** (Anchorage, Alaska)  
SOHIO Snow Control Training Course (Prudhoe Bay): Presented one-day training course in drift control methods for technical and support personnel (1986).

**Signode Corporation** (Glenview, Illinois)  
Signode Snow Fence System Design Course (Glenview): Conducted one-day short-course in drift control methods and fence design, for technical/sales/marketing personnel (1986).

**ATP Corporation** (Ashtabula, Ohio)  
Tenax Gigan Snow Fence Field Tests (Wyoming): Field tests of snow fence materials (1985-86).

**Signode Corporation** (Glenview, Illinois)  
Signode Sno-Strap Snow Fence Tests (Wyoming): Field tests of snow fence materials (1985-86).

**University of Wisconsin--Madison** (Madison, Wisconsin)  
Snow and Ice Control Course, 1985 (Madison): Presentation on drift control methods.

**The Tensar Corporation** (Morrow, Georgia)  
Snow Fence Tests: Field tests of snow fence materials (1983-86).

**Wyoming Highway Department** (Cheyenne, Wyoming)  
I-80 Laramie-Walcott Snow Fence System: Designed and field-staked snow fence systems to protect approximately 40 mile-section of Interstate highway, built at cost of \$2.5 million (1971-85).

**Stearns Catalytic Corporation** (Denver, Colorado)

Exxon LaBarge Dehydration Plant (Wyoming): Assisted in design of snow fence system for drift prevention (1984-85).

**Stearns Catalytic Corporation** (Denver, Colorado)

Exxon Shute Creek Plant (Wyoming): Consultation in design of snow fence system for drift prevention (1984-85).

**ARCO Alaska, Inc.** (Anchorage, Alaska)

ARCO Snow Control Workshop (Prudhoe Bay): Provided 2-day training course in drift control for staff engineers/support personnel, and evaluated snow fence at Storage Pad "C" (1984).

**ARCO Alaska, Inc.** (Anchorage, Alaska)

ARCO Alaska Snow Engineering Course (Anchorage): Provided 1-day training course for engineering staff (1984).

**KPN International, Inc.** (Newtown, Connecticut)

Field Tests of Julius Koch Fencing Materials: Field tests of materials and consultation in product development (1982-85).

**Stearns Catalytic Corporation** (Denver, Colorado)

Snow Control Training Course: Conducted one-day course in drift control for staff engineers (1984).

**Tri-State Generation and Transmission Association, Inc.** (Denver, Colorado)

Drift Control for the Difficulty Sub-Station: Designed and field-staked \$20,000 snow fence to prevent drifts at facility (1983).

**U.S. Public Health Service** (Anchorage, Alaska)

City of Shishmaref Water Supply Project: Consultation for design of snow fence / reservoir system for water supply (1983).

**U.S. Forest Service / Utah International** (Farmington, New Mexico)

Navajo Mine Dust Control Project: Reviewed problem of fugitive dust from topsoil stockpiles and recommended control measures and monitoring system (1982).

**Western Nuclear, Inc.** (Jeffrey City, Wyoming)

Split Rock Uranium Mill Project: Reviewed problem of wind erosion of mill tailings and designed fence system that solved problem (1982).

## **RÉSUMÉ: Ronald Dwight Tabler**

### **PRESENT AFFILIATIONS**

Consultant (Principal) in Snow and Wind Engineering, Tabler & Associates  
Adjunct Professor, Mechanical Engineering, University of Wyoming

### **EDUCATION**

B. S. (Watershed Management), Colorado State University (Fort Collins) 1959  
Ph.D. (Watershed Management), Colorado State University (Fort Collins) 1965

### **EXPERIENCE**

12/85 - Present: Principal, Tabler & Associates. Consultants in snow, sand, dust, and wind engineering.

1/81 - 12/85: Principal Research Hydrologist and Project Leader, Rocky Mountain Forest and Range Experiment Station, Forest Service, USDA (Laramie, WY). Research on snow transport physics and snow control methods.

8/80 - 1/81: Foreign Specialist (Snow Engineering), Japan Science and Technology Agency; Civil Engineering Research Institute, Hokkaido Development Agency (Sapporo, Hokkaido)

3/65 - 8/80: Principal Research Hydrologist and Project Leader, Rocky Mountain Forest and Range Experiment Station, Forest Service, USDA (Laramie, WY). Research on snow transport physics and snow control methods.

6/59 - 3/65: Research Forester, Rocky Mountain Forest and Range Experiment Station, Forest Service, USDA (Laramie, Wyoming)

### **AWARDS**

USDA Superior Service Honor Award (May 1976; Washington, D.C.)

D. Grant Mickle Award, Transportation Research Board, National Academy of Sciences (January 17, 1979; Washington, D.C.)

Research Award for Foreign Specialists, Japan Science and Technology Agency (1980-81; Tokyo)

Award for Outstanding Research Publication, USFS (1981; Fort Collins, CO)

Award for Best Paper, 1985 Western Snow Conference (April 1985; Boulder, CO)

Governor's Recognition of Contribution to Safety on Wyoming's Highways (July 16, 2008)

## **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

American Association for the Advancement of Science (Fellow)  
American Public Works Association (Member)  
American Railway Engineering Association (Member)  
American Railway Bridge and Building Association (Member)  
American Society of Civil Engineers (Member)  
Explorers Club (Fellow)  
International Glaciological Society (Member)  
Western Snow Conference (Honorary Life Member)

## **MEMBERSHIP ON COMMITTEES**

Transportation Research Board / National Highway Cooperative Highway Research Program  
Workshop on Winter Maintenance Guide and Cooperative Program (1996)  
American Railway Engineering Association, Subcommittee 6 (1990 - present)  
ASCE Task Committee on Modeling Drifting Snow and Sand (1986 -90)  
Transportation Research Board, Winter Maintenance Committee (1979 - 1994)  
ASCE Technical Council on Cold Regions Engineering, Cold Regions Hydrology and Hydraulics  
Monograph (lead author for sections "Drifting Snow" and "Measurement and Evaluation of  
Winter Precipitation"; 1990-91)  
AASHTO Task Force on the Strategic Highway Research Program (2/85-4/86)  
Executive Committee, Western Snow Conference (1976-84) Chairman, North Continental Area  
(1980-84)  
Great Plains Agricultural Council, Coordinating Committee on Snow Management (1972-78; 1985-  
86) Vice Chairman 1974-75; Chairman 1975-76  
American Geophysical Union Precipitation Committee (1972-77)

## **PATENTS**

Portable Snow Fence System: U.S. Patent Number 5184800

Porous Tubular Device and Method for Controlling Windblown Particle Stabilization, Deposition  
and Retention: U.S. Patent Number 6,986,624

Apparatus and Method for Efficiently Fabricating, Dismantling and Storing a Porous Tubular  
Windblown Particle Control Device: U.S. Patent Number 7,048,474

Tetrapod Control Device and Method for Stabilizing, Depositing and Retaining Windblown  
Particles: U. S. Patent Number 7,097,385

## **PUBLICATIONS & REPORTS (Reverse chronological order)**

- Chen, S. S., M. Lammanna, R. Tabler, D. Kaminski. 2009. Computer-Aided Design of Snow Control Measures. Transportation Research Record.
- Liston, G.E., R. B. Haehnel, M. Sturm, C. A. Hiemstra, S. Berezovskaya and R. D. Tabler. 2007. Simulating Complex Snow Distributions in Windy Environments Using SnowTran-3D. J. Glaciology 53, No. 181, pp. 241-256.
- Tabler, R. D. and J. A. Meena. 2006. Effects of Snow Fences on Crashes and Road Closures—A 34-Year Study on Wyoming Interstate-80. Proceedings, 13th International Conference on Cold Regions Engineering, ASCE, 23-26 July 2006, Orono, Maine.
- Tabler, R. D. 2006. Three-Dimensional Roughness Elements for Snow Retention. Final Report FHWA-WY-06/04F. 170 pages.
- Tabler, R. D. 2006. *Safety Improvement Study: US 287 RM 402.00 – 425.411*. Final Report #3, Project No. NH-I080-05(145), Agreement No. 54839, prepared for the Transportation Commission of Wyoming. 71 pages + Appendices.
- Tabler, R. D. 2006. *Safety Improvement Study: Interstate-80 RM 215-311*. Final Report #2, Project No. NH-I080-05(145), Agreement No. 54839, prepared for the Transportation Commission of Wyoming. 87 pages + Appendices.
- Tabler, R. D. 2005. Controlling Blowing Snow with Snow Fences. Government Engineering July-August 2005: 30-32.
- Tabler, R. D. 2005. Ladd Canyon Snow Fence Design Review. Final report, P.O. #706726.
- Tabler, R. D. 2004. Effect of Blowing Snow and Snow Fences on Pavement Temperature and Ice Formation. In: Transportation Research Circular Number E-C063. Sixth International Symposium on Snow Removal and Ice Control Technology (June 7-9, 2004, Spokane, Washington). Transportation Research Board of the National Academies. pp. 401-413.
- Tabler, R. D. 2003. *Controlling Blowing and Drifting Snow with Snow Fences and Road Design*. NCHRP Project 20-7(147). Transportation Research Board of the National Academies, Washington, D.C.
- Tabler, R.D. 2002. *Design Guidelines for the Control of Blowing and Drifting Snow*. Transportation Research Board of the National Academies, Report No. 20-7(147). 287 pages.
- Tabler, R. D. 2002. *Blowing Snow Mitigation: Interstate-15 Mile 175-196. Preliminary Report for Projects I-15 Modoc Road to Montana State Line – Snow Fence, and I-15 Humphrey to Modoc Road – Snow Fence*. Agreement Number 4804, prepared for Idaho Transportation Department. 57 pages.



- Tabler, R. D. 2002. *Safety Improvement Study: Interstate-80 Mile 325-335*. Final Report, Project No. NH-I080-05(145), Agreement No. 54839, prepared for the Transportation Commission of Wyoming. 87 pages + Appendices.
- Tabler, R. D. 2002. *Surface Temperature Profiles on I-25: Colorado Line to College Drive*. Report prepared for Wyoming Department of Transportation Project No. I025-01(141), P.O. Number 107919. 17 pages.
- Tabler, R. D. 2001. *Recommendations for Whiteout Mitigation: Route 55 at Neversink Dam*. Report prepared for New York State Department of Transportation, Albany. 36 pages.
- Tabler, R. D. 2001. *Surface Temperature Profiles at I-80 Green River Tunnels, and Recommendations for Surface Sensor Placement*. Report prepared for Wyoming Department of Transportation, Cheyenne. 13 pages.
- Tabler, R. D. 2001. *Reducing Snow Deposition at Red Dog Port Tank Farm*. Report prepared for Cominco Alaska Inc. 18 pages.
- Tabler, R. D. 2001. *Blowing Snow Mitigation Study. U.S. 285 Foxton Road to SH9 in Fairplay. Project No. NH2854-083 CMS ID# 012-2000. Corridor Reconnaissance Report*. Report prepared for Colorado Department of Transportation. 35 pages.
- Tabler, R. D. 2001. *Snow Mitigation for Lynx Crossings. U.S. 160 Wolf Creek Pass – East. Project Development, Scoping and Coordination #2*. Report prepared for Colorado Department of Transportation. 13 pages.
- Tabler, R. D. 2000. *Climatologic Analysis for Snow Mitigation in New York State*. Final Report prepared for Brookhaven National Laboratory Associated Universities Inc., Upton, NY. 41 pages.
- Tabler, R. D. 1999. *Mitigation of Winter Storms at Denver International Airport*. Report prepared for Denver International Airport. 107 pp. + Appendices.
- Tabler, R. D. 1999. *Blowing Snow Issues: Kosmack, et al. v PennDOT, et al. No. 1995-3296 / Cambria County*. Final report prepared for Office of Attorney General, Commonwealth of Pennsylvania. 34 pp.
- Peterka, J. A. and R. D. Tabler. 1999. *Wind-Tunnel Tests—Wyoming Rest Area Building*. Final Report prepared for Wyoming Department of Transportation. 109 pp.
- Tabler, R. D. 1998. *Improving the Wyoming Road Weather Information System*. Final Report, Report No. FHWA-WY-98-02. 84 pp.
- Tabler, R. D. 1997. *Recommended Drift Control Measures for Selected Sites in Southern Minnesota*. Report prepared for Minnesota Department of Transportation, Agreement No. 75966. 111 pages.
- Tabler, R. D. 1997. *Computer-Aided Design of Drift Control Measures*. Final Report, Research Agreement #47608, Research Project #FHWA-WY-97/02. 122 pp.

- Haehnel, R. B., J. H. Lever and R. D. Tabler. 1997. Field measurements of snowdrift development rate. *Western Snow Conference Proceedings* (Banff, Alberta, Canada; May, 1997) V. 65: pp. 61-68.
- Tabler, R. D. 1996. *Feasibility of using wind screens to reduce salt contamination at the Parkers Lake Substation. Reconnaissance Report.* Report prepared for Northern States Power Company. (85 pp.)
- Tabler, R. D. 1996. *Snow conditions and recommended control measures at the Micron Lehi Manufacturing Unit. Final Report.* Report prepared for Micron Technology, Inc. 61 pp.
- Tabler, R. D. 1995. *Evaluation of potential snow problems at the Micron Lehi Manufacturing Unit, and recommended Mitigation Measures. Preliminary Report.* Report prepared for Micron Technology, Inc. 33 pp.
- Tabler, R. D. 1994. *Proposed dust control measures for tailings pond P-16.* Report prepared for Molycorp, Inc., Mountain Pass, Calif. 39 pp.
- Tabler, R. D. 1994. *Wind characteristics at Snowmass Ski Area.* Report prepared for Aspen Skiing Company, Inc. 85 pp. + Appendices (separate volume).
- Tabler, R. D. 1994. *Effect of proposed wind energy project on snow distribution at Foote Creek Rim.* Report prepared for Mariah Associates, Inc. re: Kenetech Windpower, Inc. 56 pp.
- Tabler, R. D. 1994. *Recommended measures for sand control: Salt Lake City to Reno. Report prepared for Union Pacific Railroad, Omaha, Nebraska.* Agreement No. 881114. 27 pp.
- Tabler, R. D. 1994. *U.S. Route 219 Passive Snow Control: Design Evaluation.* Report prepared for State of New York, Department of Transportation, Region 5. 38 pp.
- Schmidt, R. A., R. L. Jairell, and R. D. Tabler. 1994. Snowdrifts and the aerodynamic drag on scaled-model shelterbelts. *Proceedings, Western Snow Conference* (Santa Fe, New Mexico; April 18-21, 1994) 62: pp. 151-154.
- Tabler, R. D. 1994. Proposed 1994 Revisions for American Railway Engineering Manual, Chapter 1, Part 6: 6.7 Methods of Controlling Drifting Snow, 6.8 Specifications for Snow Fences. *American Railway Engineering Association Bulletin* No. 744, Vol. 94 (1994), pp. 31-50.
- Tabler, R.D. 1994. *Design Guidelines for the Control of Blowing and Drifting Snow.* Strategic Highway Research Program, Publication SHRP-H-381, National Research Council, Washington, D.C. 364 pp.
- Tabler, R. D. 1993. *Snowdrifting control technique assessment: Field study evaluation.* Report prepared for Prince Edward Island Department of Transportation and Public Works, Charlottetown, P.E.I. 59 pp. (Appendices in separate volume).
- Walker, D.A., B.E. Lewis, W.B. Krantz, E.T. Price, and R.D. Tabler. 1993. Hierarchic studies of snow-ecosystem Interactions: A 100-year snowpack alteration experiment. *Proceedings, Eastern/Western Snow Conference* (8-10 June 1993, Quebec City, Quebec). pp. 407-414.

- Tabler, R.D. 1993. *Preliminary wind study: Main Track Number 3, Speer to Dale Junction*. Report prepared for Union Pacific Railroad Company, Agreement No. 166622. 33 pp. + Appendices.
- Tabler, R.D. and E. Cavagnaro. 1993. How terrain and road design affect winter maintenance on the Klondike Highway. In: *Transportation Facilities Through Difficult Terrain*. J.T.H. Wu and R.K. Barrett, ed., A.A. Balkema, Rotterdam, pp. 501-510.
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- Tabler, R. D. and R. L. Jairell. 1992. Trapping efficiency of snow fences and implications for system design. Transportation Research Record, No. 1387. *Snow Removal and Ice Control Technology -- Papers Presented at a Symposium September 14-18, 1992; Minneapolis, Minnesota*. pp. 108-114.
- Tabler, R. D. and T. Day. 1992. Innovations in wind protection. *Proceedings, Fifth Symposium of the International Organization for Transportation by Rope -- North American Continental Section* (Steamboat Springs, Colorado; 30 August - 3 Sept. 1992), pp. 67-73.
- Tabler, R. D. 1992. Drifting snow control. In: *Instructor's Guide, Snow and Ice Control Seminar*, Strategic Highway Research Program and Federal Highway Administration, U.S. Department of Transportation (September, 1992; Chicago, Illinois), Section 1. 219 pp.
- Tabler, R. D. 1992. What's new in fences for snow, sand, and wind control. *Proceedings of the 97th Annual Conference, American Railway Bridge and Building Association* (21-23 September 1992; Chicago, Illinois). pp. 188-195.
- Tabler & Associates. 1992. *Winter Maintenance on the Klondike Highway*. Video produced for the Alaska Department of Transportation and Public Facilities, Southeast Region. 25 min.
- Tabler, R. D. 1992. *Klondike Highway Snow Study: Engineering Analysis*. Report prepared for State of Alaska Department of Transportation and Public Facilities, Southeast Region. 65 pp + Append.
- Tabler, R. D. 1991. *Opportunities for Fugitive Dust Mitigation*. Report prepared for Thunder Basin Coal Company, Wright, Wyoming. 21 October 1991. 7 pp.
- Tabler, R. D. 1991. *Newberry Springs Sand Encroachment Study: Reconnaissance Report*. Report prepared for Air Pollution Control District, County of San Bernardino, California. 30 September 1991. 30 pp.

- Tabler, R. D. 1991. *Design criteria for snow fences at Prudhoe Bay, Alaska*. Report prepared for ARCO Alaska, Inc. (Contract No. AK88-0350, Amendment No. 2) and BP Exploration (Alaska), Inc. (Contract No. 91JL174P). 131 pp.
- Tabler, R. D. 1991. *Snow Fence Guide*. Strategic Highway Research Program, National Research Council, Report SHRP-W/FR-91-106. Washington, D.C., 61 pp.
- Tabler, R. D. 1991. Snow transport as a function of wind speed and height. In: *Cold Regions Engineering. Proceedings, Cold Regions Sixth International Specialty Conference TCCP/ASCE* (Feb. 26-28, 1991; West Lebanon, New Hampshire): pp. 729-738.
- Tabler, R. D., C. S. Benson, B. W. Santana, and P. Ganguly. 1990. Estimating snow transport from wind speed records: Estimates versus measurements at Prudhoe Bay, Alaska. *Western Snow Conference Proceedings* 58: 61-72.
- Tabler, R. D., N. H. Berg, D. Trabant, H. Santeford, and P. A. Rechar. 1990. Measurement and evaluation of winter precipitation. *Cold Regions Hydrology and Hydraulics, ASCE Technical Council on Cold Regions Engineering Monograph*. pp. 9-38.
- Tabler, R. D. 1991. Improved guidelines for snow fences. *Proceedings, Strategic Highway Research Program Products, ASCE Highway Division* (8-10 April 1991; Denver, Colorado), in press. 79.
- Tabler, R. D., J. W. Pomeroy, and B. W. Santana. 1990. Drifting snow. *Cold Regions Hydrology and Hydraulics, ASCE Technical Council on Cold Regions Engineering Monograph*. pp. 95-145
- Tabler & Associates and Landmark Reclamation, Inc. 1989. *Technical and economic evaluation of alternatives for tailing dust stabilization at Ajo, Arizona*. Report prepared for Phelps Dodge Corporation, Phoenix, AZ. 35 pp. + figures.
- Tabler, R. D. 1989. *Design criteria for proposed snow fence at Shaktoolik, Alaska*. Report prepared for the City of Shaktoolik, Alaska. 11 pp.
- Tabler, R. D. 1989. *Proposed snow fences for selected sites, Mile 540-674*. Final Report for Union Pacific Railroad Company, Contract No. 147732. 35 pp.
- Tabler, R. D. 1989. *Evaluation of design criteria for snow fences at Prudhoe Bay, Alaska*. Report prepared for ARCO Alaska, Inc., and BP Exploration (Alaska), Inc. 32 pp.
- Tabler, R. D. 1988. *Proposed snow fence system to protect hot-box scanners at Lookout, Wyoming*. Final Report, Contract Audit No. 145160, Prepared for Union Pacific Railroad Company, Omaha, Nebraska. 24 pp.
- Tabler, R. D. 1988. Snow fence technology: State of the art. *Proceedings, Engineering Foundation Conference on a Multidisciplinary Approach to Snow Engineering* (Santa Barbara, California; July 10-15, 1988): 297-306.
- Tabler, R. D. 1988. *Recommended snow control measures for the Central Compressor Plant, Prudhoe Bay, Alaska, Inc.* Field Service Order 0225. 12 pp.

- Tabler, R. D. 1988. *Measures to prevent pilot flame-out at the Lisburne liquid flare. Technical Report prepared for ARCO Alaska, Inc., Field Service Order A19543.* 9 pp.
- Tabler, R. D. 1988. Estimating dates of the snow accumulation season. *Western Snow Conference (Kalispell, Montana; April 19-21, 1988) Proceedings* 56:35-42.
- Tabler, R. D. 1988. *Snow fence handbook (Release 1.1).* Tabler & Associates, Laramie, Wyoming. 169 pp.
- Tabler, R. D. 1987. *Calculations and specifications for GC-2 snow fences.* Interim Report: November 4, 1987. Prepared for Standard Alaska Production Company, Anchorage. 16 pp.
- Tabler, R. D. and J. R. Morrow. 1987. *Recommended snow control measures for the Klondike Highway.* Technical Report (Federal Project Number F-097-2(9); State Project Number 69368) prepared for the Southeast Region, Alaska Department of Transportation and Public Facilities, Juneau. 55 pp.
- Tabler, R. D. 1987. *Recommendations for aerial survey of pipeline snowdrifts at Prudhoe Bay.* Final Report, Field Service Order A-08998, prepared for ARCO Alaska, Inc. 5 pp.
- Tabler, R. D. 1987. Slide rule for snow fence design. *Western Snow Conference (Vancouver, B.C.; April 14-16, 1987) Proceedings* 55:162-165.
- Bredthauer, S. R., L. J. Acomb, and R. D. Tabler. 1987. *Seward Peninsula snow distribution analysis.* Final Report prepared for Bureau of Land Management, Alaska State Office, Anchorage. 113 pp.
- Tabler, R. D. 1987. *Performance of 4-foot Tenax Gigan snow fence, 1985-86 winter.* Technical Report prepared for ATP Corporation, Ashtabula, Ohio. 23 pp.
- Tabler, R. D. 1987. *Review of plans for snow fences at Kaktovik, Alaska.* Technical Report, Contract No. 86-77, Project CIP 07-140, prepared for North Slope Borough, Department of Public Works, Barrow. 9 pp.
- Tabler, R. D. 1986. *Modeling snow distribution.* Technical Report prepared for R & M Consultants, Inc., Anchorage, Alaska. 11 pp.
- Tabler, R. D. 1986. *Snow fence handbook (Release 1.0).* Tabler and Associates, Laramie, Wyoming. 169 pp.
- Tabler, R. D. 1986. *Preliminary recommendations for snow control at the Summitville Mine.* Technical Report prepared for Summitville Consolidated Mining Company, Del Norte, Colorado. 10 pp.
- Tabler, R. D. 1986. *Wind loads and fence design.* Technical Report prepared for the Signode Corporation, Glenview, Illinois. 41 pp.
- Tabler, R. D. 1986. *Snow fence plan for Park Creek road, Mile 15.85-17.25.* Technical Report prepared for Summitville Consolidated Mining Company, Inc., Del Norte, Colorado. 23 pp.

- Tabler, R. D. 1986. *Wind loads and fence design*. Technical report prepared for the Tensar Corporation (Morrow, Georgia). 91 pp.
- Tabler, R. D. 1986. *Signode snow fence study*. Technical Report on performance of the Signode snow fences over the 1985-86 winter. Prepared for the Signode Corporation (Glenview, Illinois). 90 pp.
- Tabler, R. D. 1986. *Tensar snow fence study*. Technical Report on performance of the Tensar snow fences over the 1985-86 winter, prepared for The Tensar Corporation (Morrow, Georgia). 52 pp.
- Tabler, R. D. 1986. *Summitville Mine snow study*. Technical Report, Technical Services Agreement No. 17598-HC-20, prepared for Bechtel Civil and Minerals, Inc. (San Francisco, Calif.). 22 pp.
- Tabler, R. D. 1986. *Round Mountain snow study*. Final Report for Engineering Agreement No. 40617, prepared for State Highway Commission of Wyoming. 25 pp.
- Tabler, R. D. and D. L. Sturges. 1986. Watershed test of a snow fence to increase streamflow: preliminary results. *American Water Resources Association, Cold Regions Hydrology Symposium (Fairbanks, Alaska; July 22-25, 1986) Proceedings*: 53-61.
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