

PROJECT SUCCESS

Safety + Quality + Cooperation + Productivity



Panelists: (from left)
Rob Mangone – Rocky Mountain Materials & Asphalt
Steve Peterson – Lafarge West, Inc.
Jeff Keller – Asphalt Paving Co.,
Dan Hunt – Asphalt Specialties Company, Inc.
and Tom Peterson – CAPA



There was plenty of discussion raised by the comments of each of the panelists.



Safety, Quality, Cooperation, and Productivity were the topics of discussion by the contractor panelists.

On the surface it seems very straight forward; project success being directly related to project safety, quality, cooperation, and productivity. However, the difficulty comes in trying to communicate these principles effectively to all parties involved in a project – contractor personnel and owner/agency representatives alike. This was the challenge CAPA was presented with earlier this year when it agreed to coordinate a contractor panel presentation for both the annual **APWA – Colorado Chapter Inspectors Conference and the 32nd Annual Rocky Mountain Asphalt Conference & Equipment Show**.

“Making Every Project a Successful One – A Panel Discussion from an Asphalt Contractor’s Perspective” was the title of a session for both the APWA Inspectors Conference held on February 3-4, 2005 and the 32nd Annual Rocky Mountain Asphalt Conference & Equipment Show held on February 9-11, 2005. The panelists included **Rob Mangone - Rocky Mountain Materials & Asphalt, Steve Peterson – Lafarge West Inc., Jeff Keller – Asphalt Paving Co., and Dan Hunt - Asphalt Specialties Co. Inc., Tom Peterson – CAPA** was the moderator of the panel.

The panel met a couple of times prior to the presentations to discuss what makes a successful project. It didn’t take them long to define project success. “There was no disagreement within the group that these four elements (safety, quality, cooperation, and productivity) are required for a successful project,” stated Jeff Keller, Asphalt Paving Co. “We all felt that if one of the four elements is missing, than the project is not a successful one.

Several of the key points that were made at each presentation are as follows:

- Project **safety** starts and stops with everyone involved.
- Pride in workmanship is the cornerstone of **quality**.
- A high level of **cooperation** between the Owner/Agency and the Contractor is a common thread of all successful projects.
- **Production** is needed for quality and they (quality and production) go hand-in-hand and are not two competing objectives.

Steve Peterson, Lafarge West Inc., shared an example of a project that his company was involved in that went very well from all aspects especially project quality.

However, there was a serious accident in the construction work zone towards the end of the project. “From the moment of the accident, the hard work and good job

of the project staff was over shadowed by the accident,” Peterson stated.

The feedback of the panel presentation was generally very favorable. One attendee to the APWA Conference indicated that it was interesting to hear the contractor’s perspective, especially regarding project cooperation and communication. “We all need to do a better job of communicating on a project and there were some fresh ideas presented.”

“The two presentations provided a good forum for us as an industry to share what is important regarding project success and to explain the relationship between productivity and quality. Every project that I have been part of that was a success from a safety, quality, cooperation, and productivity standpoint has also been a profitable one,” stated Dan Hunt, Asphalt Specialties Co. Inc. ■

Colorado Traveler



Where was this photo taken? Each issue of *The High Road* features a photo of a location in Colorado. If you think you know this location, let us know. The winner will be identified in the next issue of *The High Road*. ♦

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CAPA Board of Directors Planning Retreat, Breckenridge
April 2005

We thank the following Equipment Suppliers for sponsoring the CAPA Board of Directors Planning Retreat in Breckenridge:



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Tom Clayton, Director of Training and Member Support

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Colorado Traveler

Congratulations to Keith Powers, CDOT Region 5 for correctly identifying the location of our last Colorado Traveler photo. State Highway 131, three miles north of Wolcott, looking south, was the correct response. ♦

COLORADO'S USE OF STONE MATRIX ASPHALT TO TOP THE MILLION TON MARK IN 2005

The use of stone matrix asphalt (SMA) as a premium asphalt pavement surface on high traffic and heavy truck roadways continues to grow in Colorado. Approximately 150,000 tons of SMA will be placed in 2005. A small group of pavement practitioners toured the Denver metro area on April 12 and provided excellent feedback on the performance of SMA. "Each project toured is performing very well and the stretch of I-225 (Mississippi to Colfax) and US 285 (Turkey Creek) are performing remarkably well - given the circumstances of their construction" stated Reza Akhavan, CDOT Region 6 South Program Engineer and co-chairman of the joint CAPA/CDOT SMA Task Force. The I-225 project was placed in 2002 over deteriorated concrete pavement. The US 285 project was a thin 1" overlay placed in 1999. 2005 will see the use of SMA on T-REX (60,000 tons), I-70 near Glenwood Canyon, City of Aurora (25,000 tons) and others. The grand total of SMA placed from its introduction to Colorado in 1994, is right at 1 million tons. For information on the use and construction of SMA pavements, contact CAPA Research Engineer Denis Donnelly at (303) 548-5558.

SMA Project Tour - participants, April, 2005



The SMA placed on US 85 (104th Ave. intersection) is performing well.



Tom Clayton: CAPA's new Director of Training and Member Support

TOM CLAYTON PROMOTED TO DIRECTOR POSITION

RMAEC Program Manager Tom Clayton has been promoted to the position of Director of Training and Member Support. With the retirement of Rodger Young, Tom will play a key role in the technical support of member companies as well as manage the training efforts of the association. "Tom has quickly grown to become a very valuable part of the CAPA team and this promotion speaks for the confidence that the Board of Directors and CAPA members have in his ability," stated Rob Mangone, President of the CAPA Board of Directors. A decision to fill the position of RMAEC Program Manager/Instructor will be made at a later date. The restructured position of Director of Training and Member Support will place an increase emphasis on supporting our member companies on training, technical assistance and education.

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COLORADO DOT RECEIVES PRESTIGIOUS PERPETUAL PAVEMENT AWARD



The Asphalt Pavement Alliance has announced that the Colorado DOT will be receiving the Asphalt Perpetual Pavement Award for a 4.8 mile stretch of Colorado U.S. Highway 85, between Denver and Greeley (Platteville to Ft. Lupton). This stretch of US 85 was originally constructed in 1957 and was constructed with a 4-inch aggregate base and 3 inches of hot mix asphalt. It carries heavy commuter traffic as well as considerable truck traffic from produce farms and gravel pits in the area. The original pavement was overlaid in 1971, 1986, and in 2004. Although the original pavement was designed for 2 million ESALs, to date it has withstood a much heavier 8 million ESALs.

The Asphalt Pavement Alliance's Perpetual Pavement Awards recognize asphalt pavements that have stood the test of time. Each award nomination is evaluated by the National Center for Asphalt Technology (NCAT) at Auburn University. An award dinner at NCAT is planned for May 18, 2005. The award will be presented by Jack Lattiere, Jr., 2005 President of the American Association of State Highway and Transportation Officials (AASHTO).

The Asphalt Pavement Alliance is supported jointly by the National Asphalt Pavement Association, the Asphalt Institute, and the State Asphalt Pavement Associations.

"The Colorado Department of Transportation is very committed to finding innovative ways to improve the longevity of pavement and decrease maintenance costs," said CDOT Executive Director Tom Norton. "We're thrilled to accept this award, but the real winners are Colorado motorists who are fortunate enough to travel a stretch of highway that doesn't need frequent overlays, thereby minimizing the inconvenience of dealing with construction and maintenance impacts."



NAPA CELEBRATES ITS 50th ANNIVERSARY AT ANNUAL CONVENTION

Congratulations to the National Asphalt Pavement Association (NAPA) on the celebration of its 50th Anniversary. NAPA continues to be the leading national voice of the asphalt industry and continues to do much to advance the use of quality hot mix asphalt. A 50th Anniversary celebration took place in conjunction with the NAPA Convention held in February on the Big Island of Hawaii.



Jim Warren (right), outgoing chairman of the State Asphalt Pavement Association (SAPA) Executives, presents Tom Peterson with the "Big Gavel" to signify the transfer in chairmanship of the SAPA Executives.



caption: (left to right) Tom Peterson – CAPA and Jim Warren, Executive Director of the Asphalt Contractors Association of Florida, present NAPA Chairman Richard Moore and NAPA President Mike Acott a 50th Anniversary Commemorative plaque on behalf of the State Asphalt Pavement Associations.

TOM PETERSON ELECTED CHAIRMAN OF SAPA EXECUTIVES

CAPA Executive Director Tom Peterson was elected Chairman of the State Asphalt Pavement Association (SAPA) Executives for 2005. Tom succeeds Jim Warren, Executive Vice President of the Asphalt Contractors Association of Florida, who completed his one year term in February. The chairman represents the SAPA in functions involving NAPA, the Asphalt Institute, and the Asphalt Pavement Alliance. The 2005 SAPA Mid Year meeting will be held in Colorado in August. Other 2005 officers include Vice Chairman Ernest Herrick, Connecticut Asphalt Producers Association, Secretary Jim St. Martin – Asphalt Pavement Association of California, and Treasurer Marvin Traylor – Illinois Asphalt Pavement Association.

Scenes from the **32nd Annual Rocky Mountain Asphalt Conference & Equipment Show** and the **11th Annual “Best in Colorado” Asphalt Pavement Awards Dinner and Program**



Asphalt Industry Leaders with Guests from CDOT and CSU.

Seated (left to right): Jim Wilkins – Wagner Equipment Co., Kevin Anderson – Aggregate Industries, Tim Harris – CDOT Headquarters, Rob Mangone – Rocky Mountain Materials & Asphalt, Tom Norton – CDOT Executive Director, Ken Coulson – Coulson Excavating, Karla Harding – CDOT Region 4, Ed Fink – CDOT Region 3. Standing (left to right): Larry Grosse – CSU Construction Management, Tim Aschenbrener – CDOT Staff Materials, Bill Lauer – McAtee Construction, Norb Schreiber – Koch Performance Asphalt, Jim Fife – Western Colorado Testing, Scott Davis – Schmidt Construction, Ben Vagher – A-1 Chipseal, Jon Paul Ary – A&S Construction, Craig Siracusa – CDOT Chief Engineer, Tom Peterson – CAPA.



Award Judges for the 2004
 “Best in Colorado” Awards Program:

(from left) Tony Gross – CDOT Region 6, Ray Porter – City of Westminster, Skip Bettis – Contractor (retired), CAPA President Rob Mangone, and Rodger Young – CAPA.



The conference included a successful outdoor equipment demonstration that was hosted by the City of Aurora.



Over 1,400 attendees, speakers, exhibitors, and staff helped make the 32nd Annual Rocky Mountain Asphalt Conference & Equipment Show a success.



Congratulations to Art Morrissey, Connell Resources of Steamboat Springs, winner of the Harley Davidson Raffle. Pictured with Art are bike sponsors Jim Curfman – Carter Burgess (left) and Doug Martin – Cobitco (right).

11th Annual "Best in Colorado"

AIRPORTS



Project: Taxiway Improvements Montrose Regional Airport
Owner: Montrose County
Contractor: United Companies of Mesa County

CITY STREET RESURFACING



Project: 2004 Pavement Rehabilitation Project
Owner: City of Greenwood Village
Contractor: Aggregate Industries, Inc.

CITY STREET RECONSTRUCTION



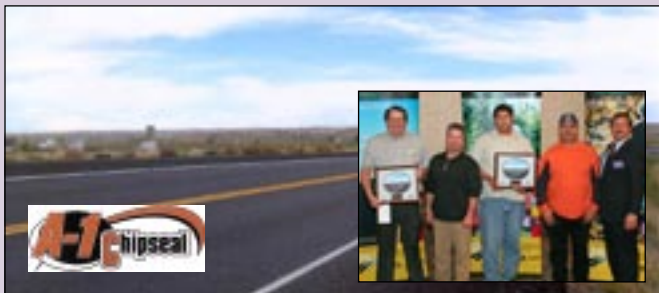
Project: Thornton Parkway Widening
Owner: City of Thornton
Contractor: Premier Paving Inc.

COMMERCIAL



Project: Wal-Mart Parking Lot ~ Delta
Owner: Wal-Mart
Contractor: United Companies of Mesa

MAINTENANCE



Project: SH 52 Chip Seal Project
Owner: Colorado DOT - Region 4
Contractor: A-1 Chipseal Co.

NIGHT PAVING



Project: SH 83 ~ Parker Road
Owner: Colorado DOT - Region 1
Contractor: Lafarge West, Inc.

Top 10 Asphalt Pavement Awards

RURAL HIGHWAY RESURFACING



Project: SH 133 ~ West of Paonia Dam
Owner: Colorado DOT - Region 3
Contractor: Elam Construction, Inc.

RURAL HIGHWAY NEW OR RECONSTRUCTION



Project: US 50 ~ Escalante East
Owner: Colorado DOT - Region 3
Contractor: Elam Construction, Inc.

SMOOTHEST NEW PAVEMENT



Project: US 24 ~ Marksheffel Road Intersection
Owner: Colorado DOT - Region 2
Contractor: Rocky Mountain Materials and Asphalt

PROJECT DELIVERY



Project: Highway 85 through Greeley
Owner: Colorado DOT - Region 4
Contractor: Lafarge West, Inc.

URBAN HIGHWAY RESURFACING and SMOOTHEST RESURFACING



Project: US 6 - Clifton to Palisade
Owner: Colorado DOT - Region 3
Contractor: Cutler Repaving, Inc.

URBAN HIGHWAY RECONSTRUCTION



Project: US 34 Improvements in Loveland
Owner: Colorado DOT - Region 4
Contractor: Coulson Excavating Co.

**Affiliate – Member**

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Fort Collins has three major trails for walking, jogging, in-line skating, biking, or a leisurely stroll. The trails are maintained year round and snow is removed from the trails during the winter months. Trails serve as commuter routes for many students and residents as well. The beautiful scenery that can be enjoyed along the system often makes one forget that they are in urban Fort Collins.

**Affiliate-Agency – Member**

Contact: Keith Uren, keith@ci.arvada.co.us

City of Arvada

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The City of Arvada is 25.6 square miles with population of 103,000 people. Arvada is a suburb of Denver and lies to the north. After letting your dog run free at the West Arvada Dog Park stop in and visit with Keith.

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Contact: Ron Martinez, rmartinez@ci.parker.co.us

Town of Parker

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Parker, CO 80138

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Road improvements and transportation issues are some of the biggest concerns facing the Town of Parker. The Town is continually working on improving our transportation network, and has recently completed several critical road projects, with many more in the works.

NEW MEMBERS IN 2005

9



Affiliate-Agency – Member

Contact: Cy Chavez, cchavez@ci.rocky-ford.co.us

City of Rocky Ford

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If you love melons you'll love the City of Rocky Ford! The City of Rocky Ford is known as "The Sweet Melon Capital of the World" and is tucked in southeast Colorado with a population of just over 4,000. If you really love melons stop by this summer for a sweeeeet sample.



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Contact: Randy Wells, wraypwd@centurytel.com

City of Wray

PO Box 35

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www.plains.net • 970-332-4412 phone • 970-332-0691 fax

Welcome to the Town of Wray, "The Recreational High Plains Hub", designated "All American City" in 1993. Wray has a population of 2,187 people and is located 160 east of Denver on US Hwy 34. Come join the fun during "Wray Daze", July 29-31, 2005.



Associate – Member

Contact: Bill Caires, caires@aol.com

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CTS is an AASHTO R-18 accredited laboratory in HMA, soil, concrete & aggregate. They specialize in geotechnical engineering and failure analysis (forensic), and construction materials consulting, inspection and testing. Services range from commercial laboratory material testing to material qualification to aggregate reserve and analysis to engineering design to forensic investigation on and for any size project.



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Acura is a geotechnical and construction material testing firm established in Nov 2003. They are headquartered in Phoenix, Arizona, where the owner and President Peter Rupal resides. They are located in Centennial, Colorado and their staff currently averages 23 employees.



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Worldwide Rental Services is one of the largest independent equipment rental businesses in the Rocky Mountain Region. WRS specializes in medium to large earthmoving equipment. WRS carries brand names such as: CAT, Komatsu and Volvo. Branch offices are in Utah and New Mexico.



CAPA PARTNERS WITH APWA ON SCHOLARSHIP PROGRAM



Rodger Young, Director of Technical Services, CAPA, receives the 2005 APWA contribution to the Asphalt Technology Scholarship Program from Bryan Weimer, Arapahoe County CIP Manager, and APWA 2005 Chairman.



The Asphalt Technology Scholarship recipients were recognized at the 2005 APWA Awards Luncheon held earlier this year.

Scholarship Awards

Congratulations to the following five public works officials for being selected as recipients of the 2005 APWA/CAPA Asphalt Technology Scholarships. Each recipient attended the week long "Short Course in Asphalt Technology" at the National Center for Asphalt Technology at Auburn University in Alabama. There were a record number of 12 nominations for the scholarship this year. The Asphalt Technology Scholarship Program is funded jointly by CAPA and the Colorado Chapter of the APWA. Since, 2001, over \$40,000 has been invested in the program and 25 public works officials from Colorado have attended what many consider the finest asphalt technology instruction in the country. The 2005 scholarship recipients are as follows:

Frank Marbury, Capital Improvement Program Manager, City of Littleton
 Vince Auriemma, City Engineer, City of Golden
 Justin Vensel, Construction Inspector, City of Grand Junction
 Chris Jacobsen, Infrastructure Maintenance/Operations Eng., City of Lakewood
 Saleem Khattak, Public Works Street Division Manager, City of Colorado Springs

below: CAPA's Rodger Young (left) with 3 recipients and NCAT Director Ray Brown (far right)



Participant Feedback



This was a very beneficial course for someone with my experience. I did not know a lot about the various aspects of asphalt, but after this course I have a much better understanding of what goes into design and construction of asphalt streets.
 ----- Justin Vensel, City of Grand Junction

"I would like to thank the Colorado Asphalt Pavement Association and the Colorado Chapter of APWA for making it possible for me to attend this worthwhile course through their Scholarship program. I can assure you that the knowledge and information gained were well worth the expense!"
 ---- Vince Auriemma, City of Golden

"The course was very well organized and the NCAT facility in Auburn was impressive, particularly the test track. I feel the course as very valuable to me in my position, and I'll be able to use a lot of the things I learned there on a regular basis.
 ----- Chris Jacobsen, City of Lakewood

"The course is a short, but information packed week of intensive asphalt training. The topics include all aspects of asphalt technology, from design to construction to maintenance and repair. I would recommend this course not only to pavement engineers, but also to industry representatives such as construction project managers and asphalt and aggregate salespeople.
 ----- Frank Marbury, City of Littleton

"All the instructors were very knowledgeable and experienced - they had both the technical know-how as well as years of field experience which made this extremely effective. Also, NCAT's Lab facility was very impressive and I especially enjoyed our trip to the test track.
 ----- Saleem Khattak, City of Colorado Springs

Call the CAPA office today at (303) 741-6150 to learn how you can apply for the Scholarship Program.

A Real Fish Story

Asphalt pavement is so environmentally friendly that it is even used in fish hatcheries.

Almost everyone knows that people in California, Oregon, and Washington are very environmentally conscious. But it usually surprises most people when they learn that asphalt has been approved for some interesting – and potentially sensitive – uses in those states. For example:

- **Asphalt is used to line salmon hatchery ponds in Oregon and Washington.**
- **Asphalt pavements are used for drinking water reservoirs in California.**

The scientists will tell you that there are good, positive reasons to choose asphalt. For one thing, asphalt is not water soluble, so it will not contaminate water—even drinking water.

In recent years, asphalt has been the economical and efficient choice for a number of different kinds of hydraulic structures. These applications include erosion-resistant canal linings, watertight pond linings, and environmentally protective linings and caps for landfills. For more information, visit the Asphalt Pavement Alliance web site at www.AsphaltAlliance.com or call toll-free 888-468-6499.

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Brasier Asphalt, Montrose	970-249-2553
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CEI Enterprises, New Mexico	800-545-4034
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Dustrol Inc., Albuquerque	505-891-8342
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Inter-Mountain Engineering, Avon	970-949-5072
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Macdonald Equipment Co., Commerce City	303-287-7401
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Mountain Engineering & Testing, Salida	719-539-2312
Northwest Colorado Consultants, Inc., Steamboat Springs	970-879-7888
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Power Motive, Denver	303-355-5900
PSI, Wheat Ridge	303-424-5578
Quality Paving Co., Henderson	303-288-1036
Resonant Machines, Tulsa OK	918-749-2209
Roadtec Inc., Grand Junction	970-270-5026
RockSol Consulting Group, Boulder	303-998-0696
Rocky Mountain Chipseal LLC, Fairplay	719-836-7060
Rocky Mtn Pavement Mtce, Denver	303-650-9653
Son-Haul, Fort Morgan	970-867-4401
Terracon, Fort Collins	970-484-0359
Terex Roadbuilding, Oklahoma City, OK	405-787-6020
URS Corporation, Denver	303-694-2770
Vance Bros., Aurora	303-341-2604
Wagner Equipment Co., Aurora	303-349-3496
Western CO Testing Inc., Grand Junction	970-241-7700
Western Tech. Inc., Farmington NM	505-327-4966
WesTest Inc., Denver	303-975-9959
Worldwide Rental Services, Aurora	303-341-5555
Wynne Transport Service, Omaha	402-342-4001
Yeh Associates, Inc., Englewood	303-781-9590

Affiliates

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Albarrie Environmental, Louisville	303-551-1024
Award & Sign Connection, Greenwood Village	303-799-8979
Banks and Gesso, LLC, Lakewood	303-274-4277
Cheetah Advanced Technologies, Ft. Collins	970-225-2700
ChemMark Corp., Aurora	303-884-3813
Colorado Construction Magazine, Denver	303-584-6718
Deery American Corporation, Grand Junction	970-858-3678
Denver Industrial Sales & Service, Denver	303-935-2485
Ellis Profiling, Mapleton, UT	801-380-7832
EnviroTech Services, Greeley	800-369-3878
FMI Corporation, Denver	303-377-4740
Great American Sweeping, Inc., Henderson	303-289-7171
HDR Engineering, Denver	303-764-1520
HRH of Colorado, Denver	303-722-7776
Integrated Resource System, Wheat Ridge	303-271-9249
JeHN Engineering, Inc, Arvada	303-423-6036
Kuka Industries, Henderson	303-288-6057
Madison Financial Partners, Denver	303-300-4353
McCandless International Trucks, Aurora	303-739-9900
McVehil-Monnett Associates, Inc., Englewood	303-790-1332
Mesa Oil, Inc., Denver	303-426-4777
OSCS, Inc., Keene, TX	817-648-0892
Oviatt Clark & Gross, LLP, Wheat Ridge	303-423-0167
PBS&J, Greenwood Village, CO	303-221-7275
PRI Asphalt Technologies, Inc, Tampa, FL	813-621-5777
Ritche Bros. Auctioneers, Brighton	303-659-3962
Rocky Mountain Laser, Commerce City	303-853-0311
RoadTrac, Inc, Henrietta, TX	940-538-5070
SEH, Denver	303-758-4349
TransTech Systems, Inc., Schenectady, NY	518-370-5558
Troxler Electronics, Lakewood	303-969-0950
TST, Inc., Fort Collins	970-226-0557
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Volume 12 Issue 1 Spring, 2005

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The High Road is a periodic publication of the Colorado Asphalt Pavement Association

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