

THE ROAD AHEAD



Spring 2018

A supplement to Colorado Public Works Journal Spring 2018

Meet our Members

Industry News: Colorado Asphalt Hall of Fame

45th Annual Rocky Mountain Asphalt Conference
& Equipment Show

24th Annual CAPA "Best in Colorado" Asphalt Awards

Cover Photo: E470 Widening Quincy to Parker Road





Introduction



Tom Peterson

Welcome to *THE Road Ahead!* — Spring 2018!

One of the most meaningful activities of the Colorado Asphalt Pavement Association is to celebrate quality achievement and recognize the “best of the best” through our annual asphalt pavement awards program. The 24th Annual “Best of Colorado” Asphalt Pavement Awards Dinner & Program was held on February 21 and we were proud to recognize quality award winners in a variety of categories. In addition, the Colorado DOT recognized the smoothest asphalt paving projects on state highways in 2017 and the producers who most consistently produced the highest quality asphalt materials.

It is very clear that quality achievement requires a partnership between the contractor and the owner/agency. For each award-winning project, we recognized the key representatives of the contractor and the owner/agency. On the contractor side, this included equipment operators, foreman, superintendents, and project managers. On the owner/agency side this included inspectors, testers, project/resident engineers and consultants. A common theme of all the award-winning projects is a high level of partnership between the contractor and the owner/agency. The camaraderie of each project team

was evident during the awards program and can be seen in the award photographs.

Our Award winners are showcased on pages 12 to 29. I encourage you to read the fine print of each award description and congratulate your friends and colleagues who have been part of these award-winning projects. The competition for our awards is very strong and we heard several of the award winners comment, “We hope to win another one this year and be back on the podium.” An insider tip from the Award Judges is that attention to detail is often the factor that separates an excellent project from a “Best in Colorado.”

Here’s wishing all of you much success on your 2018 projects. We look forward to a great year and hopefully a record number of nominations for our 24th Annual “Best in Colorado” Asphalt Pavement Awards Program.

Thomas Peterson, P.E.
Executive Director, Colorado Asphalt Pavement Association

2018 RMAEC Webinar Schedule



2018 RMAEC Webinar Schedule

April to December

April 10	Asphalt Paving – Placement and Compaction
April 26	Wide Crack Repair Options – An Agency Approach
May 3	Asphalt Inspection, The Role of the Inspector
May 17	Best Practices for Design and Maintenance of Bike Paths / Pedestrian Walkways
June 21	Project Management on Large Paving Projects
July 12	Managing Commercial & Private Pavements – For HOA’s & Property Managers
August 9	Thin Lift Asphalt Paving for Maintenance and Rehabilitation
September 27	Communication with Elected Officials – Funding, Land Use and Impacts
October 11	Pavement Forensics: Troubleshooting Performance Problems
November 8	Understanding PG Binders & Grade Selection

What: The RMAEC webinars will cover a wide range of diverse training for Contractors, Consultants, Government Agencies, and all those interested in design construction and maintenance for asphalt pavements.

When: The “live” webinar training will run 60 - 90 minutes in duration. Most begin at 11:30 Mountain time. If your schedule prohibits attendance, you won’t miss out. All of our webinars are recorded, allowing you to log onto the web and view the training at your convenience.

Cost: The RMAEC Webinars are NO COST to CAPA, APWA, CARSE and CDOT.

Register: by visiting the CAPA web page, www.co-asphalt.com/webinar-sponsors

CEU’s are available for all sessions to all paid attendees. Contact the rmaec@co-asphalt.com

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INDUSTRY NEWS

COLORADO ASPHALT HALL OF FAME INDUCTEE 2018

Jerry Meier, General Superintendent, Aggregate Industries, WCR (retired)

Congratulations to Jerry Meier of Aggregate Industries, WCR (retired) on his election to the Colorado Asphalt Hall of Fame. Jerry spent nearly 50 years in the industry and spent time with Siegrist Companies, 25 years with Western Paving Company, and his last 21 years with Bituminous Roadways/CAMAS/Aggregate Industries WCR.

Jerry worked on all size projects from small parking lots to major projects like DIA, I70 and I-25 from Fort Collins to Pueblo and from the Continental Divide to Limon. He was always proud of the work being done by the people he supervised and worded with. He was the driving force behind the companies he worked for receiving many "Best in Colorado" asphalt paving awards. Jerry was known to say "Quality work is what people expect, it is our obligation to provide at least the quality they expect." He demanded more than just quality, he demanded superior quality.

The clients who he had the privilege to work with include almost every Front Range city and county, all of the metro area airports, CDOT, and military installations. Jerry oversaw the extension to the north runway at Stapleton Airport, so it could become an international airport.



Kevin Anderson of Connell Resources, John Cheever of Aggregate Industries WCR, and John Wanigman of Greenwood Village provided testimony to the nomination that was approved unanimously by the CAPA Board of Directors. In his acceptance speech, Jerry thanked those he worked with and mentioned that "he had a wonderful career and has had a wonderful life." Welcome to the Colorado Asphalt Hall of Fame Jerry! Well deserved.

Asphalt Technology Course February 26-March 2, 2018

Colorado was well represented at the recent Asphalt Technology Course at the NCAT Facilities by (Left to Right) Dan DiCenso-AECOM, Todd Rullo - City of Thornton, Jacob Silverman - Earth Engineering Consultants, Beau Radovich - Cesare, Inc, Justin Cupich - Kumar and Associates, Randy Walrath, City of Greeley, Nicolas Stoker - City of Cortez, Tom Gill - Town of Parker.

All of the persons shown received a scholarship in December of 2017 which is jointly funded by CAPA, the Colorado APWA Chapter with help from NCAT, to attend the NCAT Technology Course. They were provided with paid tuition, as well as a travel stipend. The funds were available for this program due to those of you who participate in the CAPA Golf event each September and all of the great sponsors who support the effort to send people to this technology course.

Since 2001 more than 110 people have attended from Local Agencies, Consultants and Contractors. The 2018 CAPA Golf event is September 14, 2018 at Fox Hollow Golf Course. We host up to 216 players each year.



If you would be interested in attending the 2019 NCAT Asphalt Technology Course, information is available from the CAPA web site at <http://co-asphalt.com/resources/apwa-capa-scholarship/>



INDUSTRY NEWS

LabCAT Goes on the Road to Durango

2018 takes the LabCAT Certification program back to Durango. The trip to Durango began back in 2012 when Mike Coggins requested the Certification program visit the Four corners area instead of having the employees from that area traveling to Denver. In 2015 the management team at CDOT made a decision to put as many of their employees on the three-year cycle to have them eligible to re-certify when the LabCAT program returned in 2018. The program is open to all who are seeking certification or re-certifying for LabCAT Levels, A, B, C E and Inspector. Region 5 CDOT hosts this week-long session and gives up their facilities to allow for the certifications proficiencies to be conducted. There are many other volunteers who help during the week in addition to CDOT employees.

A grand thank you to CDOT Region 5, Pat Murphy and Tm Webb and the entire Region 5 Materials staff for coordinating this session, as well at Diane Hammond in the RMAEC office for preparing the documents and shipping all of the required information to Durango.

The program is run over 4 days and more than 50 people will be certified or Re-Certified from CDOT, Consultants and Contractors in the South west corner of the state. This program will be repeated in Grand Junction in the spring of 2019 and them return to Durango in the spring of 2021.



Pictured Left to Right, Mario Montano, Lisa Wisner and Robert Sanchez all form CDOT Region 5




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INDUSTRY NEWS

2018 Local Agency Pavement Condition and Funding Summary Data Available



Pavement Condition

Funding and Performance of Colorado Local Agencies



CAPA has published the 2018 Local Agency Summary Pavement Condition Report and it is available to download from the CAPA website. Across the state there are 88,000 lane miles of asphalt and Local Agencies are responsible for funding and maintaining 74% of that network (over 65,000 lane miles). Seventy-one agencies have provided street funding and condition data in the 2018 edition. Agency feedback has been very supportive “Thanks for taking the time to compile all of this information, it is very useful, Summit County”, “Thanks for sharing other agencies responses so we can see where we are, Adams County” “Thank you for continuing to put this together, Jefferson County”. Of the 47 agencies that reported both 2017 and 2018 data, 65% reported an increase in their streets budget (+43.5M), 2% reported the same budget and 35% reported a decrease (-\$13.1M). Budget data also indicates that Capital Project spending is up 21%, Mill & Overlay programs have increased +19% and Maintenance Programs have increased +12%. Agencies are reporting that over \$247M has been budgeted for 2018 Annual Street Improvement Programs with an additional \$187M in Capital Projects...that’s a total of over \$435M being spent by Local Agencies this year on streets and infrastructure across Colorado. For more information contact CAPA’s Director of Pavement Engineering Mike Skinner at mikeskinner@co-asphalt.com. www.co-asphalt.com.



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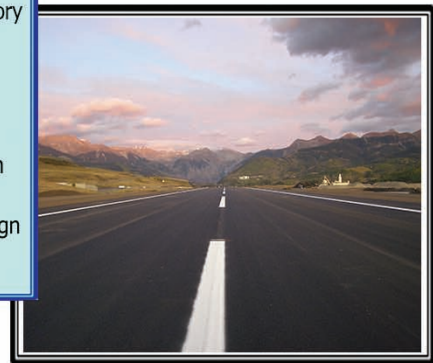
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2017 “Best in Colorado” Asphalt Pavement Awards

CATEGORY - City Street New or Reconstruction

The City of Grand Junction and local paving contractor United Companies have been recognized with a “Best in Colorado” Quality Award in the City Street New or Reconstruction Category for their Riverside Parkway project in Grand Junction.

This \$2.6M project included surface rehabilitation of 7.5 miles of Riverside Parkway with a 2-inch mill & overlay, placing 26,000 tons of SX material. The paving was completed at night to help minimize impacts to the community. The City offered bonuses to keep the construction impacts as minimal as possible. Through careful planning, communication and execution, United Companies was able to deliver the project on schedule to meet the incentive.

The project received near perfect to perfect scores in four of the criteria including; overall appearance, segregation, ride quality and transverse joints.

Accepting the award were (L to R): Victor Alvarez (United Co.), Tanner Dequire (United Co.), Darren Starr (City of Grand Junction) and Holly Carey (United Co.).

United Companies and the City of Grand Junction



CATEGORY - Quality in Asphalt Production over 100K tons

SIMON



SIMON of Cheyenne, Wyoming has been recognized with a Colorado Department of Transportation state wide Quality in Asphalt Production Award in the Greater than 100,000 ton Category.

In 2002, CDOT began to monitor the quality of plant-produced asphalt paving mix from each supplier to their construction program. The goal with this effort was to identify and acknowledge the asphalt producer who most consistently meets CDOT’s specification requirements. In 2017, there was approximately 1.62 million tons of asphalt materials placed by contractors on state highways. SIMON produced approximately 210,000 tons of asphalt materials in 2017.

Accepting the award (L to R): Lonnie Niesent (SIMON), Jim Chamberlain (SIMON), Zack Votaw (SIMON).

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2017 “Best in Colorado” Asphalt Pavement Awards

CATEGORY - Parking Lot

Colorado State University Parking & Transportation Services and local paving contractor Connell Resources, Inc. have been recognized with a “Best in Colorado” Quality Award in the Commercial Parking Lot Category for their CSU Parking Lot Program project in Fort Collins.

The focus of this \$1M project was to rehabilitate 11 on campus parking lots with a 2-inch mill and overlay. Many of the lots were milled, paved and striped on the same day. With several large conferences and events during the summer, along with all the new building projects underway, 2017 was one of the most active summers making scheduling and completing the work very difficult.

CSU commented “It was evident that Connell are not only excellent at their craft, but that they also take pride in it and enjoy it.” The judge’s noted that the large Moby Arena parking lot looked very good and the contractor did an excellent job of matching back to the existing curb & gutter.

Accepting the award (L to R): Paul Hunt, Brian Neergaard, Loel Hoyle and Phil Salmans of Connell Resources, Doug Mayhew (CSU), and Richard Van Dyke (Connell Resources).

Connell Resources, Inc. and Colorado State University



CATEGORY - Urban Highway Resurfacing

Brannan Sand & Gravel and CDOT Region 1



Colorado Department of Transportation Region 1 and local paving contractor Brannan Sand & Gravel have been recognized with a “Best in Colorado” Quality Award in the Urban Highway Resurfacing Category for their US 40 Colfax Resurfacing project in Denver.

This \$5.2M resurfacing project along Colfax Avenue is a high traffic corridor for buses, pedestrians and cars. During the day, Chato’s Concrete updated over 100 curb ramps for ADA compliance. Originally designed for a SX100 76-28 overlay, Brannan and CDOT partnered through value-add change order to upgrade the mix to 1/2” SMA to extend the service life of the pavement. The majority of the milling and paving was completed at night in conjunction with a noise variance granted by Denver. The milling was performed by Alpha Milling. Placement of 16,000 tons of asphalt was completed 25 days ahead of schedule on a 155-day contract. Additional project support was provided by RJ Pagan, Shannon & Wilson and the City of Denver and the project would not have run as smoothly without their contributions.

Accepting the award (L to R): Johnny Ortega (CDOT), Ryan Sorenson (CDOT), Matt Smith (RJ Pagan), Hiep Pham (CDOT), Dave Potter (Denver), Andy Metcalf (Denver), Kelly French (Brannan), Donald Perez (Brannan), Grant Cruseturner (Brannan), Jeff Langan (Brannan).

2017 “Best in Colorado” Asphalt Pavement Awards

CATEGORY - Rural Highway Resurfacing

Colorado Department of Transportation Region 3 and local paving contractor Elam Construction have been recognized with a “Best in Colorado” Quality Award in the Rural Highway Resurfacing Category for their SH 65 Mesa North Project near Grand Mesa.

This \$6M resurfacing project consisted of placing 12 miles of chip seal and an additional 13.5 miles of SX overlay for a total of 36,000 tons of asphalt. Work began in March and was completed in 109 working days.

SH 65 is a two-lane highway known as the Grand Mesa Scenic Byway. The western portion of the project runs along a narrow valley and Plateau Creek heading towards the town of Mesa. The eastern portion of the site leads up towards the Powder Horn Ski Resort at an elevation of 8,000 to 10,000 at the summit.

Accepting the award (L to R): Brad McCracken (Elam), Fernando Rojas Yanez (Elam), Jim Cox (Elam), Russ Larson (Elam), Chad Saunders (Elam), Trevor Woolley (CDOT), Jarrett Spegele (CDOT).

Elam Construction and CDOT Region 3



CATEGORY - Rural Highway Resurfacing (Honorable Mention)

Colorado Department of Transportation Region 4 and local paving contractor SIMON have been recognized with an Honorable Mention for the “Best in Colorado” Quality Award in the Rural Highway Resurfacing Category for their US 24 project in El Paso County.

This \$8.3 M project included a 14-mile surface rehabilitation consisting of a 1-inch leveling course followed with a 2-inch overlay along US 24 north of the El Paso/Elbert County line, totaling 78,000 tons of asphalt.

SIMON and CDOT Region 2



2017 "Best in Colorado" Asphalt Pavement Awards

CATEGORY - Special Use/Commercial Pavement

Douglas County and local paving contractor Martin Marietta Metro have been recognized with a "Best in Colorado" Quality Award in the Special Use Pavement Category for the Douglas County EVOC Center project near Roxborough Village.

This \$2M project consisted of construction of the 1.6 mile test track and two skill pads at Douglas County's Moore Road Emergency Vehicle Operations Center. The site is a 58-acre facility used to train emergency vehicles in tactical maneuvers. The project included site grading, placement of 30,000 CY of aggregate base course and 34,000 tons of asphalt.

Accepting the award (L to R): Joe Florez (Martin Marietta), Steve Walsh (Martin Marietta), Alfredo Plazola (Martin Marietta), Sean Owens (Douglas County), Dennis Lobberding (Douglas County).



Martin Marietta and Douglas County EVOC facility



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2017 “Best in Colorado” Asphalt Pavement Awards

CATEGORY - Quality in Asphalt Production 50K to 100K tons

APC Southern Construction Company of Golden has been recognized with a Colorado Department of Transportation state wide Quality in Asphalt Production Award in the 50,000 to 100,000 ton Category.

In 2002, CDOT began to monitor the quality of plant-produced asphalt paving mix from each supplier to their construction program. The goal with this effort was to identify and acknowledge the asphalt producer who most consistently meets CDOT’s specification requirements. In 2017, there was approximately 1.62 million tons of asphalt materials placed by contractors on state highways. APC Southern produced 80,000 tons of asphalt materials in 2017 and was the winner in the same category in 2016.

“This award is well deserved and speaks to the commitment to quality from APC Southern Construction Company” stated Tom Peterson, Executive Director, Colorado Asphalt Pavement Association.

Accepting the award (L to R): Kurt Wasinger (Crusher Superintendent), Steve Hammond (Plant Superintendent), Dominick Gonzales (Plant Operator).

APC Construction



CATEGORY - Airport

Aggregate Industries WCR, Inc. and Centennial Airport



The Arapahoe County Public Airport Authority, local paving contractor Aggregate Industries WCR, Inc. and Engineer CH2M have been recognized with a “Best in Colorado” Quality Award in the Airport Category for their Centennial Airport project.

This \$7.2 Million project consisted of rehabilitating runway 17L/34R with a 4” mill & overlay and a 2” mill & overlay along the associated taxiways and runway hold bars. Full depth patching with subgrade mitigation was also required in select areas along with various crack repairs. 31,000 tons of asphalt placement was phased to allow for continual access to the parallel runway. Work began in May 2017 and was completed in July 2017 for a total contract time of 35 days.

The judges scored a 9.5 for the complexity of the project commenting “The complexity and difficulty of this project was tremendous given the circumstances. Unlike many other airports, Centennial has 3 runways and the runway being rehabilitated was the largest of the 3 serving the majority of the typical jet traffic. This project was accomplished safely and timely despite the fact that this Centennial is one of the busiest general aviation airports in the nation.”

Accepting the award (L to R): Mike Altergott (Aggregate Industries), Jesus Moreno (Aggregate Industries), Bill VanHercke (CH2M), Mike Fronapfel (Centennial Airport), Brian Lewis (Centennial Airport).

2017 "Best in Colorado" Asphalt Pavement Awards

CATEGORY - Rural Highway New or Reconstruction co-winners

El Paso County and local paving contractor Schmidt Construction have been recognized with a "Best in Colorado" Quality Award in the Rural Highway New or Reconstruction Category for their Marksheffel Road Improvement Project in Colorado Springs.

The scope of this \$22M project included complete reconstruction of 11.4 miles of Marksheffel Road including removal, excavation, subgrade prep, new aggregate base course, drainage, striping and placement of 96,000 tons of asphalt. Work began in Nov 2015 and was completed in June for a total of 216 days, 113 days ahead of schedule.

Accepting the award (L to R): Alan Bailey (Schmidt), Joe Maher (Schmidt), Mark Everett (Schmidt), Dennis Barron (El Paso County), Leonard Miller (Schmidt), Bob Olson (Schmidt), Daniel Borata (Schmidt).

Schmidt Construction and El Paso County



Coulson Excavating and CDOT Region 4



Colorado Department of Transportation Region 4 and local paving contractor Coulson Excavating have been recognized with a "Best in Colorado" Quality Award in the Rural Highway New or Reconstruction Category for their US85 Resurfacing Project in Northern Colorado.

This \$15.5M resurfacing project included concrete rubbilization and asphalt overlay of 5 miles of US 85 from Eaton to Ault. 73,000 tons of asphalt was placed and was completed in November, two weeks ahead of schedule. SEMA Construction was the general contractor and Westest provided QC materials testing.

The judges rated a perfect to near perfect scores in three criteria including segregation, longitudinal joints and ride quality and noted "Ride quality was phenomenal. Great job on the intersections and turnarounds."

Accepting the award (L to R): Ed Warr (RockSol), Richard McKay (RockSol), Ryan Idler (CDOT), Terry Reusink (Coulson), Matt Coulson (Coulson), Lucas Thom (Coulson).

2017 “Best in Colorado” Asphalt Pavement Awards

CATEGORY - Project Delivery

Brannan Sand & Gravel, Kraemer North America and CDOT Region 1

Colorado Department of Transportation Region 1, Kraemer North America and local paving contractor Brannan Sand & Gravel have been recognized with a “Best in Colorado” Quality Award in the Project Delivery Category for their I-25 and Arapahoe Road Interchange Project in Centennial.

This \$51M project consisted of widening I-25 and Arapahoe Road at the interchange utilizing full depth asphalt pavement with SMA overlay to add capacity to the through lanes on the interstate and turning movements to Arapahoe Road. 75,000 tons of S100 mix plus an additional 22,000 tons of ½” SMA were placed. The use of full depth asphalt and echelon paving allowed for expedited construction of phased traffic switches. The project utilized many full closures on the weekends to facilitate paving and minimize impact to commuters. The paving portion of the project was originally scheduled to be complete in July 2018, instead the paving was completed on October 26, 2017, a full eight months ahead of schedule.

Accepting the award (L to R): Donald Perez (Brannan), Kevin Sutton (Kraemer), Jeff Stevenson (Kraemer), Mo Hosseini (RockSol), Mike McNish (Kraemer), Andrew Cook (Brannan), Jon Gearhart (Brannan), Tim Maloney (Kraemer), Telesia McCline (CDOT), Grant Cruseturner (Brannan).





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2017 "Best in Colorado" Asphalt Pavement Awards

CATEGORY - Small Contractor Paving

Colorado Community College System and local paving contractor Metro Pavers, Inc. have been recognized with a "Best in Colorado" Quality Award in the Small Contractor Paving Category for their Colorado Community College 10th Street project in Denver.

This \$400,000 project consisted of reconstruction of 10th Street and Boston Street at the Colorado Community College in Stapleton. 1,900 tons of asphalt was placed and the project was completed in 10 days, 20 days ahead of schedule.

The judges scored perfect 10's for both segregation and transverse joints and commented "the joints are tight and look very good. This is a small project but turned out very nice."

Accepting the award (L to R): Sam Thompson (Ground Engineering), Chad Anema (Metro Pavers), Paul Sandoval (Metro Pavers).



CATEGORY - Residential Subdivision

Shea Homes and local paving contractor Brannan Sand & Gravel have been recognized with a "Best in Colorado" Quality Award in the Residential Subdivision Category for their Colliers Hill project in Erie.

This \$1.6M project included construction of Filings 1 & 2 of the Colliers Hill subdivision and placement of 23,000 tons of asphalt. The initial paving began in October 2013 with the final overlay placed in August 2017 after a two-year final build out period. The project also included adjusting and raising 287 utility services. Alpha Milling and Precise Striping contributed to the success of the final project.

The judges scored perfect 10s for both segregation and transverse joints and a 9.5 for longitudinal joints, noting "The joints are great and very smooth ride, fantastic project."

Accepting the award (L to R): Abe Jr. Perez (Brannan), John Macdonald (Shea), Brian Moon (Brannan).



2017 “Best in Colorado” Asphalt Pavement Awards

CATEGORY - In-Place Recycling

Colorado Department of Transportation Region 5 and local paving contractor Four Corners Materials have been recognized with a “Best in Colorado” Quality Award in the In-Place Recycling Category for their US 491 Surface Treatment Project north of Cortez.

This \$6.7M project included 6.5 miles of 5-inches of Cold In-Place Recycling overlaid with 2-inches of asphalt plus an additional 1.6 miles of 3-inch mill & overlay with a leveling course. A total of 51,000 tons of asphalt was placed. The project began in May and was completed 15 days ahead of schedule on a 120-day contract. The Coughlin Company provided the Cold In-Place Recycling and milling services and was a contributor to the overall success of the project.

The judges provided this interesting story “When we were getting our Starbucks early in the morning in Cortez on the way to inspect the site, both baristas commented on what a good job this is, specifically the transverse joints at the match line with the existing concrete.”

Accepting the award (L to R): Jeff Bran (Four Corners Materials), Thomas Campbell (Four Corners Materials), Jason Voorhees (CDOT), Craig Glazier (CDOT), Robert Pare (CDOT).

Four Corners Materials and CDOT Region 5



CATEGORY - Surface Treatment

Foothills Paving & Maintenance and Douglas County



Douglas County and local paving contractor Foothills Paving & Maintenance have been recognized with a “Best in Colorado” Quality Award in the Surface Treatment Category for the County’s 2017 Surface Treatment Program.

This \$4.5M project included select patching, striping removal and placement of cape seals and chip seals along various locations across Douglas County as part of the County’s 2017 Surface Treatment Program. Project materials were supplied by Cobitco and Asphalt Paving, contributing to the overall success of the program along with partners Road Safe and Martin Marietta Metro.

The Award Judges noted “the streets look great, Douglas County will be happy with these treatments which will help the County roads last longer, well done.”

Accepting the award (L to R): Oscar Cortes (Foothills), Heath Russo (Foothills).

INDUSTRY NEWS

Land Use Decisions: Understanding the benefits of construction materials facilities

It's becoming tougher and tougher for contractors and sand/gravel operators to obtain permits for new gravel pits in Colorado. CAPA is routinely supporting our members in these efforts. The opposition is becoming more organized, emotional and consistently taking extreme positions in opposition. Here are the public comments from CAPA Executive Director Tom Peterson from a recent public hearing in front of a board of county commissioners.

"The days of surface mining (or opening new gravel pits) are over." "Why can't you just go someplace else?"

Good evening my name is Tom Peterson, I'm the Executive Director of the Colorado Asphalt Pavement Association. We are the statewide trade association representing the asphalt industry of Colorado. Each year in our state, approximately 8 million tons of aggregates – sand and gravel and mostly from gravel pits - are mined, blended with liquid asphalt and placed as asphalt pavement. Over 90% of all roads in Colorado are asphalt and approximately 95% of asphalt pavement is stone, sand, and gravel.

I'm here tonight to provide feedback to a couple of comments that have been made by those in opposition to this application. Those comment are "The days of surface mining (or opening new gravel pits) is over," and "Why can't you go somewhere else?" Repeating those 2 sayings is like saying, the days are over for new schools, playgrounds, swimming pools, running tracks, new homes, fixing our streets, placing new sidewalks, constructing new shopping centers, everything, is over." All forms of construction require materials and sand and stone from gravel pits is needed in virtually all of them. No more gravel pits – no more construction. The pits are located where the gravel is and that is along the river and watersheds.

The United States Geological Survey has completed a study entitled Planning for the Conservation and Development of Infrastructure Resources in Urban Areas – Colorado Front Range Urban Corridor, the study concluded that: Demand is skyrocketing; reserves are being depleted at record levels; costs are increasing at double digit yearly rates; and finally, decisions made in the near future will have long-term effects on the continued availability of reasonably priced aggregate in the project area and the entire region.

So, saying go somewhere else or that the days of surface mining are over or no more gravel pits is kind of like saying, I have my slice of the American Dream, but I'm not concerned about the rest of the county or my kids and grandchildren.

There is a lot of excitement and support for CDOT's plan to widen I-25 to three lanes from State Highway 402 to Ft. Collins. Last fall, all three short listed contractors submitted bids that were above the guaranteed maximum price and all three bids were rejected. The contract is being awarded for \$40 M above the project estimate. One of the most significant factors leading to the higher project costs is construction materials.

In summary, the history of Colorado includes surface mining – always has. Local available aggregates in the form of gravel pits are part of the

fabric of every community in the state. I would encourage all involved to flip the conversation around from an "us against them" to "how can we co-exist for the benefit of our children and grandchildren?" With that, thank you for your attention and consideration of these comments.

Tom Peterson, P.E., Executive Director, CAPA, (303) 229-6710; tompeter@co-asphalt.com

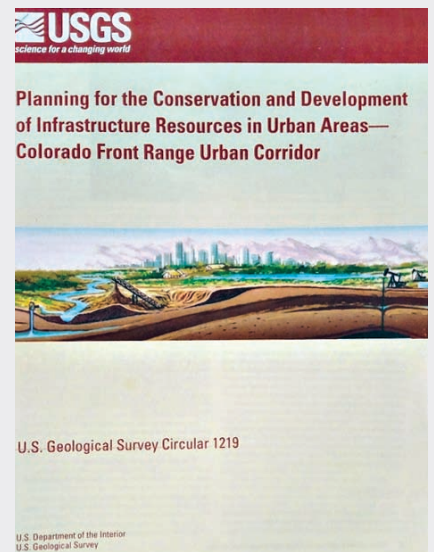
Planning for the Conservation and Development of Infrastructure Resources in Urban Area – Colorado Front Range Urban Corridor Things Planners, Decision Makers, and the Public Should Know.

Future Outlook

The steady increase in aggregate production and use that have occurred in the Front Range urban corridor since the 1950's is expected to increase. Even if large construction projects were to cease, demand for aggregates can be expected to continue at reasonably high levels due to projected population growth and demand for infrastructure improvements and maintenance associated with that growth.

Although the project area has an abundance of aggregate resources, recoverable resources are being hauled from greater distances as local resources become depleted or inaccessible. The tonnage of aggregate being locally permitted for extraction has steadily decreased over time, and the area has been producing more aggregate than it has permitting in new resources since 1994, which is a net decrease in available reserves. If this trend continues, aggregate operators may be forced to move to resource areas even farther away from local markets, resulting in higher transportation costs. Increased costs for this aggregate would be passed along to State or counties as higher construction bids, to the consumer in the form of higher taxes, user fees, and purchase prices.

Although permitted aggregate resources are sufficient for the short term, they cannot sustain a continued demand. The aggregate resource availability concerns in H.B. 1529 are even more pressing today than they were in 1973. Decisions made in the near future will have long-term effects on the continued availability of reasonably priced aggregate in the project area and the entire region.



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2017 "Best in Colorado" Asphalt Pavement Awards

CATEGORY - Smoothest Pavement I

Brannan Sand & Gravel Company of Denver has been recognized with a Colorado Department of Transportation state wide Smoothness Award Pavement Category I for their US 85 project in Adams County.

CDOT recognizes the smoothest paving project in each of their three roadway smoothness specification categories. The awards are based on CDOT's measured roadway smoothness profile using HRI specification requirements. Smoothness Pavement Category I is for Urban Reconstruction with or without curb and gutter and one layer overlays over an intermediate treatment.

This project was located along US Highway 85 between 124th Avenue and 168th Avenue near Brighton. The project had an average HRI of 53.7 and received 70.5% of available smoothness incentive for 21.8 lane miles of paving. This amounted to \$138,000 of an available \$196,000.

Accepting the award (L to R): Seth Fluthcer (Brannan), Miquel Fernandez (Brannan), Austin Konkel (Hamon Infrastructure), Andrea Hebard (CDOT), Garrett Olsen (Brannan), Donald Perez (Brannan), Grant Cruseturner (Brannan).

Brannan Sand & Gravel



CATEGORY - Smoothest Pavement II

Coulson Excavating of Loveland has been recognized with a Colorado Department of Transportation state wide Smoothness Award Pavement Category II for their US 85 project north of Greeley.

This project was a \$15.5 million-dollar total roadway reconstruction of 17 lane miles. The scope of work included rubblization of the existing concrete, asphalt overlay, and culvert/bridge replacements. 73,000 tons of asphalt was placed.

This paving had an average HRI of 30.7 for 17 lane miles, achieving 93.8% of the available smoothness incentive, a total of \$144,000.

Accepting the award (L to R): Ed Warr (RockSol), Richard McKay (RockSol), Terry Reusink (Coulson), Lucas Thom (Coulson), Matt Coulson (Coulson), Ryan Idler (CDOT).

Coulson Excavating



2017 "Best in Colorado" Asphalt Pavement Awards

CATEGORY - Smoothest Pavement III

United Companies of Grand Junction has been recognized with a Colorado Department of Transportation state wide Smoothness Award Pavement Category III for their I-70 project in Eagle County.

The project is located along Interstate 70 between Wolcott and Avon (milepost 158.5 to milepost 168) in Eagle County and consisted of overlaying approximately 10 miles of a 4-lane highway. This project had an average HRI of 52.8 for the 29.3 lane-miles of paving and received 82.0% of the available incentive, a total of \$217,000.

Accepting the award (L to R): Saul Valdez (United), John Schmidt (United), Raul Fonseca (United), Alonso Morales (United).



CATEGORY - Smoothest Pavement IV

A & S Construction



A & S Construction Company of Cañon City has been recognized with a Colorado Department of Transportation state wide Smoothness Award Pavement Category IV for their SH 160 project in Las Animas County.

CDOT recognizes the smoothest paving project in each of their three roadway smoothness specification categories. The awards are based on CDOT's measured roadway smoothness profile using HRI specification requirements. Smoothness Pavement Category IV is applied to; cold recycling without an overlay, thin overlays without an intermediate treatment, heating and scarifying without an overlay, and urban rehabilitation treatments affected by matching existing curb and gutter.

This project is located along State Highway 160 east of Trinidad and consisted of overlaying approximately 22 miles of a 2-lane highway. The project showed a 56.9% improvement in HRI for the 44.3 lane-miles of paving (dropping the HRI from 151.2 to 65.1)

Accepting the award (L to R): Karen Rowe (CDOT), Chris Robinette (A & S), Josh Ary (A & S), Troy Branon (CDOT), David Tafoya (A & S), Zach Bay (CDOT).

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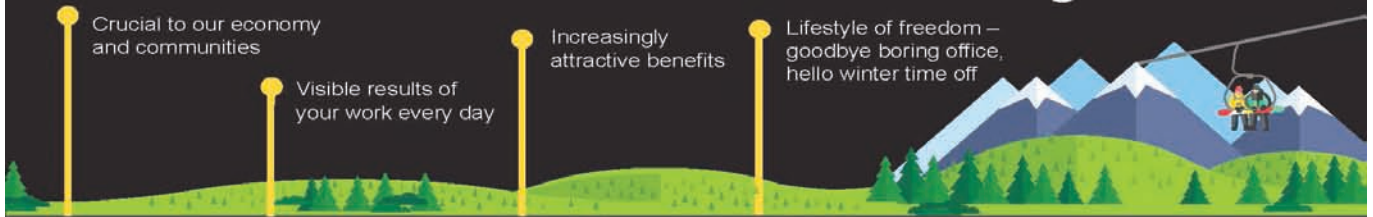
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¹ <http://work.chron.com/average-salary-college-degree-1861.html>
² <https://www1.salary.com/Paving-Surfacing-and-Tamping-Equipment-Operator-salary.html>
³ https://www.payscale.com/research/US/Industry=Paving_Construction/Salary

⁴ <https://articles.niche.com/teacher-salaries-in-america/>
⁵ http://www.discoverpolicing.org/why_policing/?fa=financial_stability

2017 “Best in Colorado” Asphalt Pavement Awards

CAPA Partnership Award

MGPEC



**METROPOLITAN GOVERNMENT
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Metropolitan Government Pavement Engineers Council (MGPEC)

The Metropolitan Government Pavement Engineer's Council (MGPEC) has been recognized with CAPA's Partnership Award as an outstanding organization promoting Industry Best Practices.

The award was presented at The Colorado Asphalt Pavement Association's "Best in Colorado" Quality Awards Dinner held in conjunction with the 45th Annual Rocky Mountain Asphalt Conference and Equipment Show at the Crowne Plaza – DIA on February 21, 2018.

CAPA has been a partner with MGPEC since the inception of the organization in 1993. In 2017 CAPA worked with MGPEC and Industry in updating and revising older MGPEC specifications, including the Asphalt Specification, the Pavement Design & Construction Standards Guide and developing a new Transportation Asset Management Guide.



In recent years CAPA has recognized The Colorado Association of Road Supervisors and Engineers (CARSE); the American Public Works Association – Colorado Chapter (APWA-CO); and the Colorado DOT with the Partnership Award.

Accepting the award (L to R): Dave Lemesany (VP Asphalt & Paving, Martin Marietta Rocky Mountain Division) 2018-2019 President CAPA Board of Directors, Jim Katzer (Infrastructure Manager, Arapahoe County Road & Bridge) MGPEC Chairman, Scott Wegner (Construction Coordinator, City of Thornton) MGPEC Co-Chairman.

CAPA Excellence in Program Delivery Award

E470 Highway Administration, Kraemer North America and Martin Marietta Metro

The E470 Public Highway Authority, Kramer North America and local paving contractor Martin Marietta Metro have been recognized with CAPA's "Excellence in Program Delivery" Award.

This award recognizes the E470 Highway Administration for their program management in addressing long term capacity, serviceability and maintenance with a proactive approach. Construction of their recent 6-mile widening project demonstrates E470's commitment to be the premier urban highway corridor serving the Denver metro area.

This \$78M project consisted of earthwork, grading, drainage, structure widening (11 bridges), full depth asphalt pavement to widen E-470 to 8 lanes, profile milling and SMA overlay paving along the 8-mile stretch between Parker Road and Quincy Avenue. 133,000 tons of hot mix with an additional 78,000 tons of SMA was placed. Kraemer North America was the general contractor and completed the bridge work while SEMA Construction completed the earthwork and grading. Prior to paving, the subgrade was cement treated by Son Haul. Additional contributions were provided by Ground Engineering (QC testing), Kumar & Associates (QA testing) and FHU (engineering design).

Partnering with Kraemer and E470, the team decided to complete the paving over weekends which allowed extended hours and increased closures. Martin Marietta committed to complete the SMA paving in echelon to provide E470 with a superior result. In the end, the project delivered and exceeded all of E470's expectations.

Accepting the award (L to R): Jim Brady (E470), Justin Jordan (Martin Marietta), Mike Fey (Kraemer), Dustin Kelsey (Kraemer).



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CAPA AWARDS DINNER

Crowne Plaza Hotel - DIA. February 21st 2018



State Senator Ray Scott speaks to the audience regarding transportation funding.



Hall of Fame member Geno Chavez (left) with Leonard Miller (center) and Joe Maher (right).



CAPA President Dave Lemesany presents the 2017 Membership of the Year Award to MGPEC. Represented by Jim Katzer – Arapahoe County and Scott Wenger – City of Thornton.



Jerry Meier (center) with (left to right) Swede Kamm, Mike Mikkelson, Ira Paulin, Herman





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