



WORKGROUP MEETING

Meeting Minutes

LOCATION: County of San Diego Operations Center Campus / 5530 Overland Ave room 124 (1st Floor), San Diego, CA 92123; and Virtual via Microsoft Teams Meeting

DATE OF MEETING: June 30, 2026 (1:30 PM to 3:00 PM)

ATTENDEES: See attached attendance roster

PRESENTATION: Refer to the presentation link under the 6/30/26 meeting

AGENDA:

- 1) Introductions/ Sign-in/ Meeting Overview
- 2) Public Comments
- 3) Road to 70 Update
- 4) Featured Presentation – Full Depth Reclamation – Marco Astrada – Recycling and Stabilizing Association (RSA)
- 5) Industry/ Organization Updates
- 6) BBR Pilot Updates
- 7) Next Building Better Roads Workgroup Meeting/ Close

1) SIGN-IN / MEETING OVERVIEW

Orland Mott, Mott Engineering Inc., Consultant for County of San Diego

- Orland welcomed everybody.
- Notified participants that this meeting is being recorded in compliance with the Brown Act.
- Mentioned the meeting will transition to a new facilitator
- Orland will remain active in BBR in a supportive role similar to his role prior to hosting the meetings.
- Recognized BBR's accomplishments and leadership team
- Shared Chat GPT asphalt joke of the day
- Introduced the new facilitator, Gabe Gutierrez

Gabriel (Gabe) Gutierrez, County of San Diego, Program Coordinator

- Gabe stepped up to speak.
- Introduced his boss, Marisa Barrie, County of San Diego, Director of Public Works
- Gave a brief message. In summary:
 - It is a pleasure to be here with so many people committed to the transportation system.
 - We share a common mission: building, preserving, and maintaining infrastructure that is safe, reliable, resilient, and cost effective.

- Behind every mile of pavement are countless decisions. Roads are a product of planning, innovation, testing, collaboration, and commitment to continuous improvement.
- Today's transportation agencies are required to make dollars go further than ever before.
- Success is measured by how effectively assets are managed and resources are delivered to our taxpayers.
- BBR and similar gatherings are important because they aid in better decision-making.
- In an era of constrained budgets, engineering matters more than ever before.
- The road ahead will require us to be better than ever before.
- Gabe thanked and welcomed everybody joining today.
- Requested everyone to sign in
- Briefly discussed meeting agenda
- Reminded participants that this meeting is being recorded in compliance with the Brown Act.
- Requested online users to enter their name, email address, and group affiliation and ensure cameras and mics are turned off unless addressing the group.
- Requested that online users providing comments use the chat window and hand-raise feature

2) PUBLIC COMMENTS

- Gabe opened the floor to attendees for public comment due to the Brown Act.
- Seeing none, Gabe closed the floor to public comment.

3) ROAD TO 70 UPDATE

Gabe introduced Keith Kezer, County of San Diego, Road Maintenance Project Manager

- Keith welcomed everyone.
- Keith introduced himself. He manages the County's Roadway Asset Maintenance Program
- Keith introduced James Watkins, County of San Diego, Senior Civil Engineer in charge of resurfacing program.
- Keith will walk through the Road to 70 PCI.
 - Keith gave the history of Road to 70:
 - Legacy gas taxes (prior to SB1) did not have inflationary measures and reduced in purchasing power over time, leading to infrastructure degradation.
 - In the County, the PCI decreased from 71 to 60 in 6 years.
 - In 2017, SB1 passed and produced 40 to 70 million dollars in funding, allowing long-term planning.
 - The Road to 70 starting point:
 - The County of San Diego ranks 11th in the state in road miles.
 - In 2017 the PCI was at 60, with 30% of roads in poor or very poor condition. One staff person was doing all work for resurfacing.
 - Then SB1 passed. The County was directed to increase PCI to 70 and maintain it there.
 - Challenges:
 - 1st: The County needed staff. Then Prop. 6 tried to repeal SB1, causing a staffing freeze.

- 2nd: Material was not available or not up to standards.
- 3rd: Covid impacted County functions.
- 4th: Contractors were lost.
- 5th: Inflation increased construction prices.
- 6th: The Public Right-of-Way Accessibility Guidelines (PROWAG) were adopted.
- Keith invited James up to discuss the accomplishments of the Road to 70 PCI.

James Watkins - County of San Diego, Senior Civil Engineer in charge of resurfacing

- James greeted everyone
- James shared accomplishments:
 - The county has constructed approx. \$350 million in road maintenance funding and \$200 million is programmed to be spent over the next couple of years.
 - Constructed 1000+ ADA curb ramps, upgraded 120 traffic signals, refreshed roadways and striping
 - Repaired or replaced 400+ culverts
 - Resurfaced nearly half of roadway system in under a decade
 - Awarded the California State Association of Counties' 2026 Best Pavement Management Practices Award, which was supported by the National Association of Counties' award-winning BBR
- James showed BBR report card
 - Reclaimed asphalt pavement (RAP) usage has increased to 25% - diverted from landfills, no longer need 400,000 tons of new aggregate
 - James highlighted a high level of industry engagement.
 - James highlighted the delta mist rejuvenating seal pilot project.
 - Advanced materials pilot tests are moving forward.
- Proud of BBR working group's accomplishments. Thank you.
- Paving forecast:
 - FY 24/25 Overlay summary
 - FY 25/26 Pavement Seal summary
 - FY 25/26 Overlay summary
- We are securing this roadway asset for generations
- James passed the mic back to Gabe

Gabe thanked James and Keith.

Gabe recognized Supervisor Joel Anderson, County of San Diego.

4) FEATURE PRESENTATION: Full Depth Reclamation

Marco Astrada, Recycling and Stabilizing Association (RSA) Executive Director

- Marco thanked crowd, and mentioned its hard work
- Speaking about improving pavement and lack of available resources
- Speaking about Full Depth Reclamation or Full Depth Recycling (FDR)
- Marco represents the Recycling and Stabilizing Association (RSA) and is the RSA Executive Director.

- Among other things, RSA represents subtask groups to recycle pavement materials and improve pavement foundations.
- Caltrans established an Office of Pavement Recycling and Job Order Contracts.
- RSA Represents the Greenbook
- Introduced the State Pavement Report Card
 - State pavement quality declining – creates costs for drivers due to poor road performance
- Mitigate issues
 - Shortage of aggregates: Reuse old pavement – use full depth reclamation, cold-in-place recycling, cold central plant recycling
 - Reduces construction-related trucking by 40 to 1
 - Improved safety footprint as a result
 - Reduced cost
 - Reduced greenhouse gas emissions
- County of LA does a good job documenting the increase in cost savings and reduction in energy, greenhouse gas emission, and material hauled to landfills. Reduction of energy and greenhouse gases is on the order of 80%.
- Back to report card – NCE reports that using pavement recycling strategies can cause savings on the order of 40%.
- Over 216 agencies are using these strategies in the state.
- FDR standards are in the Caltrans manual.
- Full depth recycling specifications are complete and in the Greenbook
- Listed FDR general steps
- Detailed FDR construction principles
- Detailed FDR construction steps
- Detailed benefits
 - improved safety footprint
 - reduced construction time
 - reduced cost
 - reduce greenhouse gases
 - reduced landfill disposal
- Example:
 - 850 truckloads were reduced to 14 truckloads
 - 1\$ per sq ft savings
- When to use:
 - Use when reconstruction is needed or dig-outs comprise 15-20%, or where there are other defects, or when there is limited funding
 - Use anywhere, including airfields or residential
- Caltrans allows FDR foam asphalt and cement
- Discussed FDR phasing and planning – Typical SF per shift, access, and lane closures.
- Discussed items to consider in design and specifications.
- Gave bid schedule examples
- Discussed FDR construction considerations
- Described Contingency Plans

- Gave example of a local bid schedule
- Gave examples of projects:
 - Street Reconstruction Group 1801
 - Water and Sewer Group 1024
- Listed municipalities using full depth reclamation
 - Chula Vista has been using FDR for 15 yrs
 - City of La Mesa has done a couple of projects
 - City of Chula vista – 1 project
 - City of Oceanside – 1 residential street, 1 residential collector
 - Caltrans – High volume 2-lane traffic in Kern County
 - City of Dana Point
 - City of La Mirada
 - City of Hemet – 4 projects \$2 per sf cost savings
 - Huntington Beach – at least 14 projects
 - Orange County - Residential streets \$1 per sf cost savings
 - Town of Paradise
 - County of Riverside
 - Sonoma County
 - Calaveras County
 - Madera County
- Highlight: Think about capitalizing on the investment you have made in the infrastructure.
- Contact info: mestrada@pavementrecycling.com, (951) 205-6600

5) INDUSTRY / ORGANIZATION UPDATES

Gabe introduced Mike McManus from Associated General Contractors (AGC)

- Mike greeted everyone
- Mike shared jobs spending trends
- Residential job growth is declining overall
- Nationwide: some states' job markets are reducing, some growing
 - Discussed job market changes by industry
- Discussed inflation increases
 - Composite construction commodity prices increased by 50%
 - Consumer prices increased by 30%
 - Diesel increased 158%
- Hourly earnings increased overall
- 2024 state-by-state breakdown of percentage of foreign-born craft workers
- Reviewed AGC economist assessment
- In San Diego we are cautiously optimistic. It feels like we are plateauing. We only dropped approximately 2,200 jobs in a recent Bureau of Labor Statistics report.

Gabe thanked Mike and introduced Cameron (Cam) Richardson from CalCIMA (California Construction and Industrial Materials Association)

Gabe thanked Cameron for recognizing partnership with BBR and for the recent award.

Cameron (Cam) Richardson from CalCIMA (California Construction and Industrial Materials Association)

- Cam introduced himself
- Cam thanked BBR
- Cam listed legislation and regulation updates
 - Build America 250 act – goes to streets, roads, and bridges - hoping to pass
 - Senate resolution 157 (Hoover) – Passed
 - Senate Bill 982 – allows continuation of providing local aggregates for projects
 - California CARB Advanced Clean Fleet Package – Amendment has been released with revisions to local government contracts – Comments have been provided back to CARB coordinating the implementation of the revisions
- Specification updates
 - Caltrans has moved to a year-to-year cycle
 - The HMA PWL Acceptance and Pay has been revived – coming in October
 - Pavement Materials Partnering Committee (PMPC) High Rap Phase 2 Project
- Events:
 - Nov 3-6 Annual Conference in Monterey
 - Plant Tour
- Shared contact info: crichardson@calcima.org, (279) 400-9255
- Gabe thanked Cam.

6) BBR PILOT UPDATES

Gabe introduced Brandon Milar from CalAPA (The California Asphalt Pavement Association)

- Brandon Listed Specification Updates
 - Caltrans Standards
 - Greenbook
- Caltrans is moving towards a balanced mix design with new acceptance methodology.
- Went over use of RAP in asphalt rubber mixes
 - Note: Caltrans requires a submission of an environmental product declaration for very large paving projects
- Greenbook Changes – expect to see 4 changes for asphalt
- CalCIMA is looking for participants to do shadow testing on local agency projects.
- The City and County Pavement Improvement Center has training opportunities available.
- CalAPA offers two training courses.

7) NEXT BUILDING BETTER ROADS WORKING GROUP MEETING / CLOSE

Gabriel (Gabe) Gutierrez, County of San Diego, Program Coordinator

- Thanked everybody for their time
- Gabe announced that the next meeting will be in October.
- **<Meeting Adjourned>**