

ECIA Road Committee Meeting Minutes
Community Center Railroad Building
Monday April 9, 2018

1. **Call to Order:** Committee Chair Felicia Probert called the meeting to order at approximately 6:01 PM.
2. **Introductions/Attendees:**
 - Road Committee Members: Felicia Probert, Karen Murry, Bob Blanchet, Russell Winslow, Fred Raznick, Terry Reilly, and Ken Kleiber.
 - ECIA Board Liaison: John Henriksen
 - Public – 34 members in attendance representing 25 residences.
 - Gwen Sperling, 1 Avalon Place
 - Roy Garrison, 13 Encantado Road
 - Jennie Ayers/Kris Campbell, 4 Tarro Road
 - Kim Crickard, 13 Descanso Road
 - Jim Taylor, 47 Estambre Road
 - Libby McCloud, 2 Dovela Court
 - Jon & Melicent D'Amore, 16 Tarro Road
 - Paul Ingraham, 20 Estacada Road
 - James Mason/Stephanie Levy, 21 Domingo Road
 - Andy & Linda Fertil, 19 Altura Road
 - Betsy Walker 6 Manzano Road
 - Paul Fink/Andrea Nyman, 10 Redondo Court
 - Karen Sweeney, 16 Esquila Road
 - Cat Scheibner/Carrie Haag, 30 Quedo Road
 - Naomi Harrison, 15 Ladera Road
 - Diana Gries 3 Raudo Place
 - Patricia Smith, 4 Moya Loop
 - Ron Pomeroy, 27 Moya Loop
 - Mike Lehrer, 8 Puerto Road
 - Lisa Smith, 10 Dovela Road
 - Sharon Paris, 15 Gaviota Road
 - Rob Egemeier/Jane Crowley, 12 Melado Drive
 - David Glasscod/Hope Alconn, 15 Encantado Road
 - Richard Lindahl, 9 Duende Road
 - Alan Lieberman/Mekah Gordon, 22 Juego Road
3. **Public Comments:**
 - • Gwen Sperling, 1 Avalon Place: Concerns about using 100% RAP, and that no one on the Board lives on a road that is slated to be resurfaced with RAP.
 - • Jenny Ayers, 4 Tarro Rd: Road Committee's perspective as how RAP roads are holding up? Read the NM state specifications for the use of RAP and the County appears to be in violation of those specifications.
 - • Mel D'Amore 16 Tarro Rd: Have the roads that were recently surfaced with the RAP material been "taken down to the subgrades and processed with new asphalt" as described in the November 16, 2016 Road Committee Meeting Minutes?
 - • Libby McCloud 2 Dovela Ct: Requested clarification on how decision was made to use the RAP, County or Road Committee?
 - • Jon D'Amore 16 Tarro: Read information regarding the hazards of the paint used to mark highways lanes. Mr. D'Amore ran out of time before he completed his comments but was invited to leave his information with the committee for consideration to which he did not.

- David Glasscod, 15 Encantado Road: Worked for the Federal Aviation Administration for 30 years and was involved in the use of RAP extensively for a variety of projects in 17 states including New Mexico and Texas. The Federal Highway Administration requires the use of RAP. The percentages of RAP vary from 35 – 100% depending on location. It is a good product. The dirt coming up off our roads currently is also toxic. Controlling the dust would be helpful.
 - Jim Taylor, 47 Estambre: Retired engineer. Hasn't seen much information regarding the use of 100% RAP for roads. Asked what particular specification the roads in Eldorado are being built to. Where else in NM is 100% RAP being used? Was the material tested before it was used? Leachate testing? Expressed concerns about the potential impacts to property values.
 - Rob Egemeier, 12 Melado Drive: Walk and ride on Juego and Glorieta Road. Like the RAP surface much better than the dusty roads like Melado. He has observed Juego and Glorieta to be in nice shape once completed and there is much less dust. As for concerns expressed about the toxicity of the RAP dust, as a retired geologist – the dust from the dirt roads in Eldorado contains silica which can also be hazardous to your health, so reduction of road dust has benefits.
 - Naomi Harrison, 15 Ladera Road: Passed
 - Michael Lehrer, 8 Puerto Road: Was the RAP tested? What is the process of the roads chosen to have RAP applied? Why aren't residents allowed input?
 - Ron Pomeroy, Moya Loop: Roads are fine until it rains or snows and then they are slippery and difficult to negotiate, and it comes into my driveway and garage. Supports the RAP on Moya Loop.
 - Roy Garrison, 13 Encantado Loop: When will Encantado Loop be worked on?
4. **Modification/Adoption of Agenda:** Under old business, the Wildflower Conservation Zone and Committee Charter topics will be switched. Agenda approved as amended.
 5. **Approval of Minutes from January 8 2018 Meeting:** Discussed and approved unanimously.
 6. **Chair Comments:**
 - Ave. de Compadres: Crack and spot repair work is underway in preparation for a 2-inch asphalt overlay. Work has been funded with a local government road fund grant.
 - Ave. Amistad from the 3-way stop to Ave. Buena Ventura is scheduled to be paved in late May/June. Work has been funded with a 2015 capital outlay fund grant.
 - John Gervers, the county volunteer who trims the roadside trees in Eldorado has recruited 5 volunteer helpers. They worked on Verano Loop for the first time this spring but have stopped due to blooms and sap flowing.
 - A \$100,000 capital outlay fund grant was approved during the 2018 legislative session for improvements to the Eldorado hike/bike path. The facilities and grounds committee will work with the County on prioritizing improvement projects. The funding will not likely be available until 2019.
 7. **ECIA Board Liaison Report:**
 - John and Felicia met this morning with the Katherine Miller, Santa Fe County Manager, Michael Kelly, Director of Public Works, and Robert Martinez, Deputy Director of Public Works to discuss the RAP project. Two main issues came to light: RAP should be processed into finer size and applied with a heavier roller. County should admit possible road RAP application mistakes and correct previous RAP roads.
 - ECIA Board and Election committee are working on best practices direction for the committees to improve consistency.
 - Reminded committee members to RSVP if they would like to attend the ECIA Volunteer appreciation party on April 17 from 5-7 pm.

8. **Old Business/Open Action Items:**

- **Committee Charter Update:** A draft update of the committee charter was discussed. Language to address subcommittees in accordance with the pending update to the ECIA Bylaws, clarification of membership and defining excused absence was added. Under III. Roles and Responsibilities section D.1, Russell recommended the word “roads” be changed to “roadways, trails, bikeways, transit improvements/ facilities/ services, pedestrian improvements, bicycle improvements” in accordance with the function of the Santa Fe County Transportation Advisory Committee (TAC). John H stated that the best practices for committees document that the Board is working on will also include charters. This is expected to be issued after the May 17th Board working meeting. John recommends that we hold off finalizing our charter until that information is released. **Motion was made to approve Road Committee’s revised charter with Russell’s TAC revision subject to the outcome of the May 17, 2018 Board working meeting. Motion approved.**
- **Wildflower Conservation Zone (WCZ) Subcommittee:** With the pending approval of the bylaws and update of the road committee charter, we can move forward to establish a WCZ subcommittee. The WCZ would like to have individual house signs for residents “opting in” and clean up events with ECIA/HOAMCO maintenance staff and chipper. Felicia, Karen and Bob Blanchet will review WCZ goals.
- **April Road Inspection Scheduling:** Felicia distributed the inspection forms and requested that they be completed and returned by April 20th. Road inspections are done twice yearly.
- **Recycled Asphalt Pavement (RAP) Project Update:** Felicia opened this topic with an overview of the timeline of the RAP project to date. Highlights from the discussion on the RAP project include the following:
 - Regarding comments that use of 100% RAP violates NMDOT specifications - The use of 100% RAP does not violate NMDOT or Federal Highway Administration (FHWA) standards. NMDOT does limit the use of RAP in its hot mix asphalt designs to 35% and 50% in its base course. However, Santa Fe County’s stated intent from the beginning of the RAP project was to apply it cold in a manner similar to new base course gravel, not paving the roads with hot mix asphalt. Therefore, use of 100% RAP is not in violation of NMDOT standards.
 - In response to Melicent D’Amore’s question regarding the minutes of the November 2016 Road Committee - This reference to the November 2016 Road Committee meeting is specific to a multiple meeting discussion in 2016 with some residents on Condesa Road about dust control. The Road Committee explored specific road hardening options including a product called Earthbind and the use of millings or RAP as potential options to harden and seal the road surface to reduce the dust. It is within this context that when Felicia asked Mr. Martinez about the use of RAP, he explained that to harden the road surface to reduce or eliminate the dust on Condesa Road it would require reconstruction of the road to the subgrade and processing the millings with some new asphalt. Mr. Martinez explained that application of millings or RAP in that manner would cost essentially the same as chip seal and funding was not available for such a project. The requirements to reconstruct the road to the subgrade and mixing with some new asphalt that Mr. Martinez mentioned was related to creating a hardened and sealed road specific to Condesa Road and dust control. The RAP project that was undertaken in 2017 was to improve as many roads as possible in Eldorado that have a history of significant rutting and poor drivability due to heavy mud during periods of prolonged rain or snow, not to pave or harden the road for dust control. The County’s stated intent from the beginning was to apply the RAP cold in the same manner they would apply new base course gravel. That is, the existing road surface and bar ditches are graded to re-crown the road surface

and re-establish the bar ditches to the depth of the culverts. After the prep work is complete, the RAP is put down in layers with a road grader followed by water and rolling to pack them down, in a manner similar to how new base course material is applied. Condesa Road was not considered to be surfaced with the RAP because it was surfaced with base course in 2007/2008 and does not have a significant problem with mud/rutting issues.

- Regarding the process by which roads were selected to have the RAP applied and that no Board or committee members reside on a road selected to have RAP applied – The criteria for selecting roads to have the RAP applied was those that had a history of significant rutting and poor drivability due to heavy mud during periods of prolonged rain or snow. The presence or absence of a Board or committee member residing on a road was in no way considered. For additional information regarding the selection process, see the project information on the Eldorado website at <http://eldoradosf.org/document/RAP%20Project%20Info%20Sheet%202017%2006.pdf>.
- Regarding comments that no other roads in Santa Fe County have been surfaced with 100% RAP – According to Santa Fe County Public Works Department, the following roads outside of Eldorado have been surfaced with 100% RAP. The following is a list of roads that Santa Fe County has applied RAP to in the past:
 - Carlson Subdivision – 1992 I-25 Frontage Road
 - Remuda Ridge Subdivision – 1992 I-25 Frontage Road
 - Village of Cerrillos – 1992 Cerrillos
 - CR 54 – 1992 La Cienega
 - CR 52 – 1993 La Cienega
 - Calle Victoriano – 2009 Stanley
 - Arroyo Alamo East – 2010 La Puebla
 - Bartons Loop – 2010 Arroyo Seco
 - Lumbre del Sol – 2010 Arroyo Seco
 - Camino arroyo Seco – 2010 Arroyo Seco
 - Old dump road – 2010 Arroyo Seco
 - Camino los Ranchos – 2010 Chimayo
 - Camino de los Vigils – 2010 Chimayo
 - Jericho Lane - 4/2017 Old SF Trail
 - Fire Station Road -5/2017 Glorieta
 - Cross Ranch Road – 4/2018 Stanley
 - Camino las Cabrerias- 5/2018 Galisteo
 - Peaceful Drive – 5/2018 (in progress) Edgewood
- Regarding concerns about the large chunks, road debris, and general lack of effective screening of the milled material before it is applied – In a meeting with the County Manager, Director and Deputy Director of Public Works on the morning of April 9th, the County indicated that they had recently acquired a 2-inch screen to improve the consistency of the milled material, and to remove lane markers and rubber crack sealant that were part of the prior roadway surface. They have also gone back and removed any remaining large chunks and previous road material from the roads that have been completed to date. Lastly, the County plans to re-process the roads that have been done to date to correct some problems with potholing and rutting. Re-processing includes grading and re-rolling with a heavier roller to improve compaction.
- Regarding questions about whether the RAP material was tested for compliance with environmental standards before application - No. Additional testing was not required as Santa Fe County's request to NMDOT for the RAP qualified for a Programmatic Categorical Exclusion. By the definition of a Categorical Exclusion, the project will not

individually or cumulatively have any significant environmental impacts. Pursuant to NMDOT's agreement with the Federal Highway Administration dated September 25, 2015, the NMDOT confirmed to the Federal Highway Administration that the project initiated by Santa Fe County to apply RAP to the road surfaces in Eldorado qualified for a Programmatic Categorical Exclusion. NMDOT further stated that "No further coordination is required for environmental approval".

- Regarding concerns about RAP dust being hazardous to human health due to increased silica levels - No. The Material Safety Data Sheet (MSDS) mentions Respirable Crystalline Silica dust as a potential hazard. The United States Department of Labor's website defines Respirable Crystalline Silica as the following: "Respirable Crystalline Silica – very small particles at least 100 times smaller than ordinary sand you might find on beaches and playgrounds – is created when cutting, sawing, grinding, drilling, and crushing stone, rock, concrete, brick, block, and mortar. Activities such as abrasive blasting with sand; sawing brick or concrete; sanding or drilling into concrete walls; grinding mortar; manufacturing brick, concrete blocks, stone countertops, or ceramic products; and cutting or crushing stone result in worker exposures to respirable crystalline silica dust." This constituent is not present as a result of the asphalt binder but is created from the mechanical disruption of the rock aggregate that makes up 93% to 97% of cured asphalt by weight. This constituent is only an issue of concern for the workers that are operating the milling machine or those that are near the milling operation. The application of the RAP material to the roads in Eldorado does not involve grinding, cutting, drilling, crushing, or reheating of the material; therefore, this process is not generating respirable crystalline silica dust. In addition, Santa Fe County is aware that the EPA recognizes that recycled asphalt pavement can be used as an effective control for significantly reducing general fugitive dust emissions from unpaved roads and areas. (Koch et. al., 2011).
- Regarding concerns about leachate from the RAP contaminating groundwater – The RAP project qualified for a Categorical Exclusion that by the definition means the project will not individually or cumulatively have any significant environmental impacts. According to the Federal Highway Administration Report # FHWA-RD-97-148, "the available body of technical data indicates that RAP is a nonleachable material". Santa Fe County's position is that placing RAP on roads in Santa Fe County does not pose a risk to the environment. The Virginia Department of Transportation and State University System of Florida have conducted studies and deduced the following:
 - The Virginia Department of Transportation stated that "Research has been conducted on the feasibility and potential environmental impact of using milled asphalt as fill material for bridge approaches and similar applications. Even when used in applications above mean high water (an unsaturated condition), concern has been expressed that leachate resulting from flood or rainfall could be contaminated by such recycled asphalt and thus have negative environmental consequences." "Results of numerous field studies and standardized tests, including the Toxicity Characteristic Leachate Procedure (TCLP) test, suggest that typical RAP can be used as "clean fill" without undue negative environmental consequences."
 - State University System of Florida produced the following on the Leaching Characteristics of Asphalt Road Waste: "While it is generally recognized that RAP does not present a great risk to human health or the environment, a better characterization of the amount and type of chemicals that leach in the environment helps provide a better means to correctly manage this material. This project was conducted to address some of the environmental concerns expressed by regulators and others related to the leaching of pollutants from asphalt road waste, primarily RAP." Further, "A series of leaching tests were performed at both batch-scale and in leaching columns. Samples tested did not pose an undue risk (in regard to leaching of

the pollutants tested). In all of the batch tests, measurements of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and selected heavy metals (Ba, Ca, Cr, Cu, Pb, Ni, and Zn) all were below detection limits and were below applicable regulatory groundwater guidance concentrations. This indicated that the samples tested did not pose an undue risk (in regard to leaching of the pollutants tested) under current waste policy in Florida.”

- Will fog seal be applied to the RAP surfaced roads in Eldorado? The entire RAP project was put on hold by Santa Fe County in January 2018 including any plans to apply a fog seal. The project remains on hold until the fall of 2018 at the earliest.

9. New Business

Two new prospective committee members were in attendance; James Mason of 21 Domingo Road, and Paul Ingraham of 20 Estacada Road. This is Mr. Mason’s second road committee meeting. Felicia will verify that his ECIA membership is in good standing. A committee recommendation for membership will be voted on at the next meeting. This is Mr. Ingraham’s first attendance at a road committee meeting since declaring his interest in joining. In accordance with the committee charter, Mr. Ingraham will be considered for membership after his attendance at a second consecutive meeting.

10. Committee Round Robin

Nothing of note to add.

11. **Next meeting:** Monday June 25, 2018, 3:00 – 5:00 PM, Railroad Building. Mr. Robert Martinez, Deputy Director Public Works, Santa Fe County will be the invited guest.

Meeting Adjourned: Approximately 8:40 PM