In the Works.... Public Works Update – May 2018

Administration Division

Transportation Board



The Transportation Board meets the first Thursday of the month at 5:30 p.m. Meetings are held at 1000 Central Avenue, Room #110.

May 3, 2018 Transportation Board Meeting Highlights

- Cameron Humphres, Airport Manager gave T-Board members a tour of the Airport and presented an update on Airport projects.
- ♣ Eric Martinez, County Engineer; Dan Erickson, Traffic & Streets Division Manager; presented on Pedestrian Crossings.
- ♣ Board Members assigned Kyle Wheeler as the Transportation Board Liaison to the Tourism Implementation Task Force; David Schiferl was selected as an alternate Liaison.

Airport Division

New Aircraft Hangar Construction





The Los Alamos Airport has a very high demand for aircraft hangars – all the current hangars are occupied and there is waiting list for more. In response, the county purchased a metal pre-engineered hangar that requires on-site assembly. Public Works personnel, from Streets and the Facilities Divisions, are assembling the building. Construction began in mid-April and is scheduled to be complete in July, weather permitting.

Los Alamos Airport Supports LANL's National Security Mission

Los Alamos National Laboratory's mission is to solve national security challenges through scientific excellence. The Los Alamos Airport supports LANL's mission by providing a vital air transportation hub for personnel and cargo related to research, manufacturing, and nuclear, chemical and biological emergency response.

Recently, US Air Force helicopters used the airport to transport General John E. Hyten, Commander of U.S. Strategic Command (USSTRATCOM), to meet with Terry C. Wallace, Jr., Director of LANL. USSTRATCOM is responsible for the global command and control of U.S. strategic forces, including nuclear, to meet decisive national security objectives, providing a broad range of strategic capabilities and options for the President.









Perimeter Fence Project

After receiving notification of grant funding availability from the FAA, the Los Alamos Airport issued a request for bids to replace the existing perimeter fence adjacent to highway 502 and Airport Road. This fencing will improve safety, security, and appearance of the airfield. Bids are due June 13th and, once reviewed and the apparent low-bid is accepted, the airport will submit grant applications to the FAA and NMDOT to cover 95% of the costs. Construction of the fence is expected to begin later this fall and completed by the end of the year.

Perimeter Road Improvements



The Streets Division completed additional improvements to the airport perimeter road. These improvements provide better access for FAA required inspections, navigation systems and the Automated Weather Observation System (AWOS) which provides the official weather for pilots, LANL, the National Weather Service, and other weather providers such as the Weather Channel.

Aircraft Tours



The airport hosted 3rd and 6th Graders from Aspen Elementary. Geoff Rodgers, of Classic Air, Los Alamos' medical air transportation service, Major Mark Peters of the Civil Air Patrol Squadron, a US Air Force Auxiliary that provides aerial search and rescue, disaster relief, and leadership training for local youth, and Roger Smith, the President of the local Experimental Aircraft Association, volunteered their aircraft, time and a pilot's perspective to the students and teachers.













Custodial Division



The Custodial Division supported 273 events during the month of May.

Bird spikes were installed on the ledges above the main entrances at the Municipal Building to prevent Ravens from perching on the ledges.

Seasonal flowers were planted in the exterior patio and front entrance containers at Fuller Lodge.

Engineering & Project Management Division

Welcome to the Team!



Juan Rael comes to the County from the NMDOT, where he was a Construction Liaison Engineer. Juan has 13 years of experience in both private and public engineering in New Mexico and Southern California. Juan is originally from Taos and is looking to relocate to Los Alamos with his wife and daughter. Juan is excited to join the Engineering and Project Management Team and to get know his new co-workers.

Welcome Back Ben!



Ben Narushof is a junior civil engineering student at the University of New Mexico pursuing a B.S. in Civil Engineering with an emphasis in transportation. This summer Ben will be working on a bike trail connection project. This is Ben's second summer working with the county and he is excited to be back designing and learning real world applications for the engineering theory he learned in school. When he is not working he likes to hang out with friends, read comic books and play piano.

Server Room Cooling Improvements

This project improves the reliability of the server room cooling. The curtains that separate the hot side and the cold side of the server racks were installed in February. The controls work was completed early April. The installation of the Rawal valves on the compressors is being delayed to see if the air conditioning units run consistently without the valves. If that is the case, the valves will not be installed as this is the configuration for the longest life span for the equipment.

Kiddie Pool Project

Proposals were accepted and reviewed following an RFP advertised by the County in March. A firm has been selected and a contract is scheduled for approval at Council meeting on June 12th. The Council date was postponed in hopes of aligning with the announcement of the new LANL contract.

Municipal Building HVAC

An evaluation was completed by a 3rd party engineer to establish the cause of the HVAC noise, they have since recommended solutions. Jaynes and their sub-contractors have agreed to perform the work which entails replacement of ducts throughout the building identified as those causing the noise. Coordination continues concerning the logistics of having the work performed on the ducts in the occupied building and with the preparations for the Go Live of Munis. The plan is to work on three locations on the 3rd floor in June and the 1st floor in July with any large impact work being scheduled for the evenings and weekends. An information plan is being developed to inform the public and employees who will be using the Municipal Building.

Ice Rink Locker Room Improvements

Staff has completed work on an RFP to solicit an architectural firm for design services. The RFP is scheduled to be advertised in June. The shade study was presented to Parks and Rec. Board in May.

Fire Station 6 Restroom Remodels

The restrooms at Fire Station 6 will be refurbished as it has been a little over 10 years since they were last re-done and are looking worn. Riskin and Associates, one of the County's on-call architects, is providing the design. Construction is anticipated next fiscal year.

Fire Station 3

The project includes reroofing, as well as a new wall system, window replacement and HVAC system modifications to better insulate and control the temperature in the bunkrooms. Bids were received, and due to State requirements, the contract cannot be awarded until after July 1st. Staff has re-advertised in June for a July award.

Mesa Library HVAC Improvements

The current system is an evaporative cool system, and is limited in its cooling capacity due to its original design and half of the required air flow capacity. A replacement air conditioning system is going to be installed and the building cannot be occupied once the air flow system is taken down. The library is scheduled to be closed from August 20th through November 29th. Public Works and

Community Services Department staff are working closely to provide alternative accommodations to the public so that many library services are mostly maintained during this time.

Water Production Air Conditioner Replacement.

The original air conditioner for the SCADA area has failed. Temporary measures are in place to maintain the proper temperature for the computers but a long-term fix is needed. Trane has been contracted through the County's On-Call Contractor contract to remove the inoperable AC units and replace them with a new and larger unit. Work will start June 4 and should be completed by the end of the month. DPU is funding this work.

Teen Center Receives LEED Certified Designation: In 2014 the Community Building was remodeled. This remodel was designed by NCA Architects, led by Tom Wilber, and their various sub-consultants; constructed by R&M Construction and their various sub-contractors; and managed by Wayne Kohlrust, County Project Manager, along with many County employees.

Now several years after the project was completed, the building was designated LEED Certified. The original building is more than 70 years old, making this certification that much more remarkable to receive. This was due to the energy-efficient equipment, use of recycled building materials, low or no-VOC adhesives and paints and other aspects used in the design and construction. While the building did not receive a Silver designation, the goal of the County Council for new or reconstruction of facilities over 5,000 square feet, achieving this was quite significant and challenging. The one aspect that the County could not take credit for in the application was the roof which was installed in 2008. If it had been done as part of the remodeling project, the scoring for silver might have been achieved.



LEED - Plaque on the Community Building



Tom Wilber, Lead Architect, NCA Architects and Wayne Kohlrust, LAC Project Manager

Landfill - Gas Extraction and Control System

Engineering and Environmental Services staff have worked with Stearns, Conrad and Schmidt Consulting Engineers (SCS Engineers), an engineering consultant to develop design plans for a permanent gas extraction system for the landfill to comply with New Mexico Environment Department methane gas limits.

The Project consists of the installation and construction of a Landfill Gas Collection System at the closed landfill to prevent subsurface landfill gas migration off the landfill property in accordance with New Mexico Environmental Department regulations. The project will include the installation of two (2) systems, which will either mitigate the gas in an open flare or vent it to the atmosphere. Both systems have been designed to disburse any emissions above ground level, whereas the open flare system will also combust any potential pollutants.

The permanent extraction system project was advertised for construction in December, Council awarded a bid on February 27th to American Environmental Group (AEG) with SCS oversite for \$1,281,490.

Notice to Proceed was given to the contractor on March 14th. To date AEG has completed the installation of the main and lateral underground piping, and have completed installation of seven condensate drip legs, and eighteen extraction vertical legs which were drilled down 75 feet. The project at the east end of the landfill will continue once the candle stick flares (long lead item) are manufactured and delivered sometime around mid-June. Construction will continue at the west end of the landfill better known as the Construction and Demolition Site (C&D). At the C&D site, AEG will construct a passive blower vent facility which will tie-in two existing passive vents and construct three landfill gas extraction wells.

Construction activities began on April 23rd. The Substantial Completion date is August 1, 2018 with a Final Completion date of August 22, 2018. The project at this time is well within schedule, scope and budget.



Canyon Rim Trail Phase 3

The easements for DOE property along the preliminary alignment were approved by Council on March 22nd. The County has been working with the consultant to prepare to obtain easements with the private owners within the project limits between Knecht Street and the 20th Street Extension.

Canyon Rim Trail Underpass

The project was awarded federal FY2018 funding under the Transportation Alternatives Program (TAP) for project study and design in the amount of \$320,000 and FY2020 TAP funding for project construction in the amount of \$2,020,000 for a total award of \$2,340,000.

A kick-off meeting with Wilson and Company was held on April 26 to begin the design process for this project. The first public meetings will be held in July at the Transportation Board to discuss the scoping report and conceptual design.

North Mesa Phase 2 Improvements (Cumbres del Sol Subdivision)

This North Mesa pavement rehabilitation project is located on Camino(s) Manzana/Mora/Cereza. The project entails new compacted base, new asphalt throughout, and intermittent concrete sidewalk, drive pads, curb & gutter, ADA curb ramps, as needed. The project was advertised on May 6th, a pre-bid meeting was held on May 10th, and the bid opening was held on May 24th. Construction is anticipated to begin in July and be completed by September.

Future Projects...

NM 4/East Jemez Rd. (Truck Route) Intersection: Staff continues to work with DOE, NMDOT Bandelier, and Army Corps of Engineers to program, design and construct intersection upgrades to improve capacity and safety. The USACE is in the process of developing a scope for design services and use on of their on-call engineers.

NM 502 Reconstruction, Knecht St. to Tewa Loop: Staff continues to coordinate with NMDOT on this state lead project. NMDOT bid the project for a third time on December 15th and received no bidders. NMDOT is requesting funding from FHWA.

Environmental Services Division

This is a summary of results for April 2018 methane monitoring for the Los Alamos County closed landfill.

- 1. The LFG Vents ranged in methane concentrations from 47.6 (LFG Vent 7) to 57.3 (LFG Vent 1) percent gas in air.
- 2. The gas probes near the toe of the landfill materials ranged in methane concentrations from 9.3 (MP-12) to 51.8 (MP-10) percent gas in air.
- 3. The gas probes near the boundary of the landfill ranged in methane concentrations from 3.6 (MP-12R) to 35.3 (MP-11R) percent gas in air.



Curbside Yard Trimmings Roll Cart Update

Online registration is now open for the curbside yard trimmings roll cart program. The yard trimmings roll cart program will begin July 2018. To date Environmental Services has received over 2,154 registration entries for a roll cart, this is over 30% of the residential customer base. By implementing the yard trimming roll cart, Los Alamos residents have an opportunity to divert 14% of our waste stream from the landfill each year. The diversion efforts have the potential to divert 1,107 tons of yard trimmings annually and will reduce hauling and disposal costs, greenhouse gas emissions, extend the life of the landfill, and provide high-quality garden and landscaping materials for residents. Environmental Services have received 1,872 roll carts, with more on the way. Environmental Services staff with help from Code Enforcement staff have been assembling and delivering carts to residents that have registered.

Outreach and Education - 2018 Clean Up Los Alamos Day





On April 28 Environmental Services, with sponsorship from Coca-Cola, Los Alamos National Bank and Los Alamos National Lab, held our 15th annual Clean Up Los Alamos Day. In total 1,100 pounds of trash was collected from around the community, 99 residents utilized the Eco Station and 42 residents utilized the Overlook Convenience center for free.

2018 Recycle Fashion Show







Environmental Services celebrated Earth Day with a Recycle Fashion Show on Saturday, May 5th at Fuller Lodge. The event was a great success with 9 participants styled in head-to-toe recycled fashion. Child 1st place winner was Rafa Rocha in "Fun Fashion", youth/teen 1st place winner was Robyn Scully in "Flight of Fancy", adult 1st place winner was Sandra West in "Plastic Heavy and Fabric Free" a woven paper dress with shoes made from plastic bags. Local high school student Ryan Schultz DJ'd, while members of Chamisa Elementary School and Environmental Sustainability Board judged the event. Special thanks to the Environmental Sustainability Board, Los Alamos Public Schools, and Los Alamos County Green Team.





Residential Sustainability Report

Residential Sustainability Report







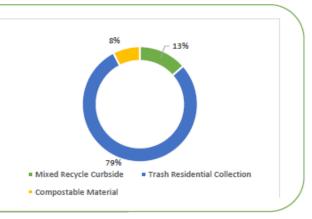
Monthly Collection Report

March Diversion Rate: 20%

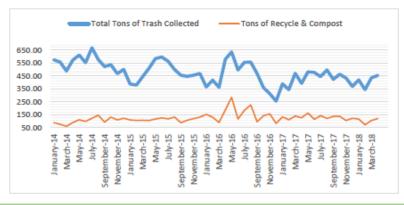
April Diversion Rate: 21%

A 7% Increase in Diversion

The diversion rate is the percent of materials recycled and composted.

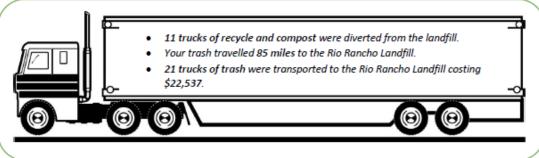


Month by Month Recycling Comparison



Benefits of Recycling

Recycling one ton of office paper saves 17 trees, 7,000 gallons of water, 463 gallons of oil, 3 cubic yards of landfill space, and enough energy to heat an average home for six months trees. Further, manufacturing one ton of office paper using recycled paper stock can save 3,000 to 4,000 kilowatt hours versus making that amount using virgin materials.



Facilities Division

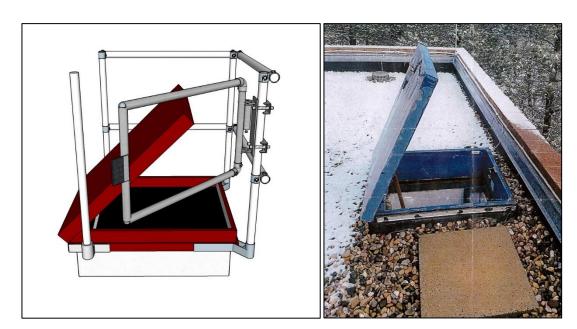
New FOB's Distributed to Employees for New Timekeeping Processes



Over 400 employees from all County Departments and Divisions have been issued new FOB's by Facilities Division staff that will be necessary as the transition takes place to the new Executime Time and Attendance processes. In addition, exempt staff at the Pajarito Cliffs site also received new FOB's in order to access the yard after hours under the new gated security systems now in place.

Aquatic Center Roof Repair

Roof Care was hired to perform a complete inspection of the roof over the Aquatic Center's mechanical rooms. Work performed included repair of locations where leaks were identified – as well as the installation of a new fall protection railing encompassing the roof access hatch in order to meet current safety standards.



The Facilities Division continues to work in partnership with staff from the Engineering and Project Management Division, Traffic & Streets Division, and the Risk and Safety Division, to construct the prefabricated steel building that will become the Airport's newest hangar facility.

Public Works Department staff have cooperatively made great strides in erecting the building over the past several weeks and will continue to work to complete the project in the weeks to come.

Fleet Division





John Roberts, Pete Mondragon and Jon Bulthuis participate in Bike to Work Day



As a part of the Bike Month festivities, the Public Works Department kicks off a "Bike at Work" initiative adding three (3) refurbished bikes to Los Alamos County's transportation fleet. These bikes were reclaimed from scores of discarded bikes brought to the Eco Station, up-fitted for use by the Fleet Division staff, and will now be located at the Muni Building as the first human powered no-emission vehicles available to Los Alamos County employees to use

in getting around town. Initially, these bikes will be located in the bike corral at the Muni Building, but we hope to add additional units, as they become available, to at other County facilities as well. And perhaps, if the supply of bikes to refurbish allows, and demand from riders grows, the program could potentially be opened up for public use someday.





Fleet Division employees are installing the new County logo on all Transit busses.

Used Oil Burner



The Fleet Division has a new environmentally friendly heater installed in the shop. This addition was made possible through a grant awarded to the Environmental Services Division from the State of New Mexico Environment Department's RAID (Recycling and Illegal Dumping) Fund.

This heater is fueled by waste oil collected from routine oil changes performed by Fleet Division staff. It will not only reduce the utility costs to heat the fleet shop during the winter months, but will also reduce the cost of removing used oil that the Fleet Division currently pays to dispose of.

Traffic & Streets Division

Traffic Electricians continue to work on powering up Transit Shelters. They trenched for permanent power, and installed conduit / wiring for Transit shelter lights at 2 locations:

- 1. Canyon and Gold Street apartments
- 2. Central Ave at the Library

Traffic Electricians transported poles to Albuquerque for powder coating for the Canyon Road light pole replacement project. They also installed poles that have already been powder coated.



Crews repaired a section of sidewalk on Todd Loop.



Crews placed an additional concrete barrier for added protection to the utility boxes on DP Road.



Crews patched a section of road cut by the Utilities Department in the parking lot near the Morning Glory restaurant.



Crews repaired a section of asphalt that had to be removed for Utilities to repair a line at 2101 Trinity Drive.



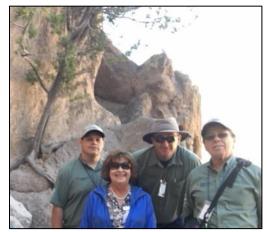
Crews patched a utility trench at Quemazon.



Crews are seen dumping brush and material at the landfill. The brush was removed from the Sioux mobile home park. This effort to clear sign obstructions is related to the county street ID upgrade and aids drivers in seeing signs, traffic lights and signals without obstruction.

The sign shop crew attended a IMSA New Mexico Signs Tech Level II and a Pavement Marking Tech Level 1 class in Albuquerque on May 15-18. Crews also attended an IMSA New Mexico Work Zone Traffic Control class in Albuquerque on May 8th and 9th.

Transit Division







The Transit
Division is
gearing up for
the 2018
Bandelier
Shuttle
service which
started on
May 17, 2018
and will
continue

through October 17, 2018. Shuttle service is provided seven days a week with 30 minute service Monday through Friday and 20 minute service Saturday and Sunday. On May 14, 2018 the new Bandelier drivers and an employee of the White Rock Visitor Center trekked down the Frey Trail in preparation of the new service. If you haven't visited Bandelier in a while, it is definitely time to do the tour again.



BANDELIER SHUTTLE SERVICE

May 17, 2018 - October 17, 2018

7 days per week
Bandelier is operating as a "CAR FREE PARK" during this timeframe.*

To Bandelier

(Departs White Rock)

Monday - Saturday

Friday	Sunday
9:00 a.m.	9:00 a.m.
9:30 a.m.	9:20 a.m.
L0:00 a.m.	9:40 a.m
L0:30 a.m.	10:00 a.m.
L1:00 a.m.	10:20 a.m.
L1:30 a.m.	10:40 a.m.
12:00 p.m.	11:00 a.m.
12:30 p.m.	11:20 a.m.
1:00 p.m.	11:40 a.m.
1:30 p.m.	12:00 p.m.
2:00 p.m.	12:20 p.m.
2:30 p.m.	12:40 p.m.
3:00 p.m.	1:00 p.m.
3:30 p.m.	1:20 p.m.
4:00 p.m.	1:40 p.m.
4:30 p.m.	2:00 p.m.
	2:20 p.m.
	2:40 p.m.
	3:00 p.m.
	3:20 p.m.
	3:40 p.m.
	4:00 p.m.
	4:20 p.m.
	4:40 p.m.

To White Rock

(Departs Bandelier)

Monday - Friday	Saturday - Sunday
9:30 a.m.	9:30 a.m.
10:00 a.m.	9:50 a.m.
10:30 a.m.	10:10 a.m.
11:00 a.m.	10:30 a.m.
11:30 a.m.	10:50 a.m.
12:00 p.m.	11:10 a.m.
12:30 p.m.	11:30 a.m.
1:00 p.m.	11:50 a.m.
1:30 p.m.	12:10 p.m.
2:00 p.m.	12:30 p.m.
2:30 p.m.	12:50 p.m.
3:00 p.m.	1:10 p.m.
3:30 p.m.	1:30 p.m.
4:00 p.m.	1:50 p.m.
4:30 p.m.	2:10 p.m.
5:00 p.m.	2:30 p.m.
	2:50 p.m.
	3:10 p.m.
	3:30 p.m.
	3:50 p.m.
	4:10 p.m.
	4:30 p.m.
	4:50 p.m.
	5:10 p.m.









Call Bandelier at 672-3861 x517 or Atomic City Transit at 661-RIDE(7433).



Atomic City Transit partnered with Los Alamos Airport and Aspen Elementary for Transportation Day for elementary students.

On April 25th and May 4th Atomic City Transit met Aspen Elementary 6th grade classes at the bus stop and performed a safety lesson on how to ride the bus and the bike rack. The students were then transported to the Los Alamos Airport for a discussion on planes and helicopters.





The students enjoyed the tour and sent letters of appreciation.

Dear Mr. Hughes and Ms. Granillo,

Thank you for teaching us about the bus.
The information that you gave us was really helpful. It was helpful when you told us about the app that can help us figure out where the bus is and its routes. That information and rules that you gove us will help me know what is expected when I ride the bus. Also thank you for the coloring books.

Sincerely, Cienna

Dea Us t	rAct, Thank you for taking to the airport and back and of
the land	end. It was coully thought ful thank you for touching us
do t	hat was really helpful. Thanks
	Sincerely, Kate



May 4th was celebrated by Star Wars fans.

"May the 4th be with you"







Atomic City
Transit
participated in the
Los Alamos
County Bike to
Work Week –
Bike party on May
16, 2018. The
event was held at
Ashley's Pond

with Atomic City Transit provided lessons on how to place your bike on the bike rack without the pressure of trying to figure it out while on route. Approximately 65 community members participated in the event.

Atomic City Transit, partnering with DWI Council to bring transportation to the Los Alamos County Summer Concert Series. Concerts are Friday evenings beginning May 25, 2019 through August 31, 2018. Take a Free Ride to the concert on Atomic City Transit and leave the driving to us.

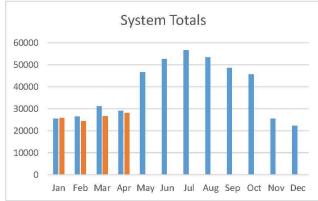
DWI schedules for North Mesa and North Community are on the website. Dial-A-Ride services have also been extended for locations not services by a fixed route buses. Contact the Atomic City Transit administrative office at (505) 661-7433 to request a ride.

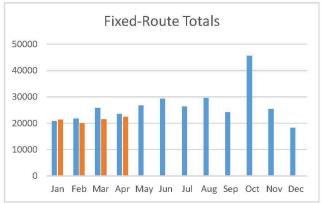


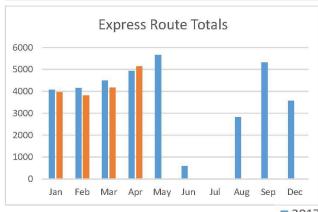
April 2018 Ridership Report

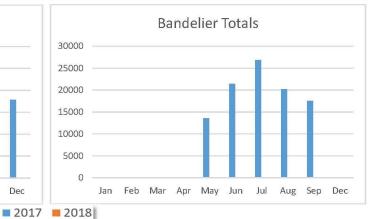
LOS ALAMOS

	April Trips			Apr. Rev. Miles		Apr. Rev. Hours		YTD Trips
Route	2017	2018	% Chg	2017	2018	2017	2018	2018
1 Downtown	5,749	4,564	-20.6%	3,605	3,785	298.7	313.6	19,137
2M White Rock - Main Hill	2,432	2,445	0.5%	7,178	7,537	270.7	284.2	9,302
2T White Rock - Truck Rt	1,777	1,503	-15.4%	6,623	6,954	261.0	274.1	5,975
2P White Rock - Peak		571	0.0%	=	1,810	8	109.2	2,027
3 Central / Canyon	2,759	2,878	4.3%	5,083	5,337	254.0	266.7	10,875
4 North Community	3,009	2,396	-20.4%	3,683	3,867	260.0	273.0	9,414
5 Barranca Mesa	1,632	1,587	-2.8%	4,047	4,249	257.7	270.6	6,147
6 North Mesa	6,113	6,440	5.3%	5,732	6,019	387.7	407.1	22,385
Fixed-route subtotal	23,471	22,384	-4.6%	35,950	39,558	1,989.7	2,198.4	85,262
7 North Mesa Expr	1,446	1,217	-15.8%	338	375	20.4	22.7	4,461
8 North Community Expr	944	901	-4.6%	122	135	8.2	9.1	3,047
9 Aspen Expr	844	929	10.1%	94	104	6.6	7.3	2,939
10 Barranca Expr	981	1,235	25.9%	157	174	9.8	10.9	3,861
11 White Rock Expr	703	854	21.5%	320	353	12.7	14.0	2,767
Express route subtotal	4,918	5,136	4.4%	1,031	1,140	57.8	63.9	17,075
12 Bandelier	-	-	0.0%	_	_	-	_	-
Dial-a-Ride	78	112	43.6%	619	633	34.0	44.8	365
ACT Assist	486	414	-14.8%	4,087	3,889	209.0	224.9	1,785
Special Services	115	-	0.0%	57	-	5.8	-	286
System total	29,068	28,046	-3.5%	41,744	45,220	2,296	2,532	104,773









Total Passenger Trips to Date: 4,856,459





Thank you so very much for partnering with the LAPS Foundation on our water bottle filling grant. I was so excited when the committee agreed to fund it in full. The teachers, staff and students at the recipient schools are going to be over the moon when I tell them the good news! I'm also so appreciative of the County for fronting the funds and seeking reimbursement. *15k is a huge amount of \$ for our small organization, so that makes all the difference to us.

Dear Los Alamos School Board and County Council Members -- it is official! Copied below is the Certificate of Occupancy for Duane Smith Auditorium. Thank you for supporting this major remodel of the lobby and construction of the pre-concert area. DSA is a community treasure for all to enjoy. With the additional fire suppression, it is also a safer facility for all in attendance at performances.

Ann, thanks for all your assistance with the project.

Harry, please extend thanks to County employees Wayne and Anthony.

-Kurt

