Public Works / Projects Division

Mission Statement: To implement the design and construction of County infrastructure Including: roads, buildings, parks, water and wastewater facilities that are functionally appropriate and delivered efficiently and economically.

This function relates to Citizen Priorities, BCC Priorities and our Key Areas of Focus:

Timely and on-budget project delivery ensures that infrastructure improvements provide the citizens of Santa Fe County appropriate and functional facilities that benefit of the citizens of Santa Fe County.

The Projects Division of the Santa Fe County Public Works Department manages:

10 Employees97 Current Projects38 Million Dollars of Current Contracts

The Projects Division is managed in two groups: The Road and Utility Projects Team and The Vertical Construction & Open Space Projects Team



Roads and Utilities Projects Team

- Diego Gomez, PE
- David Madrid
- Steven "Justin" Reese
- Shannon Vigil
- Daniel "Scott" Smith
- Donald Pound

Projects Engineer Projects Manager III Projects Manager III Project Manager II Project Manager II Project Manager I

Road and Utility Construction District 1 Projects

Project Name	Nature of Procurement	Percent Complete
Programming for Drainage and Roadway Improvements on County Road 89 C	Acquisition	90
Bridge Rebuild on CR72A	Design	5
Nambe Park Phase III Improvements	Construction	2

Bridge Rebuild on CR 72A



Bridge Replacement

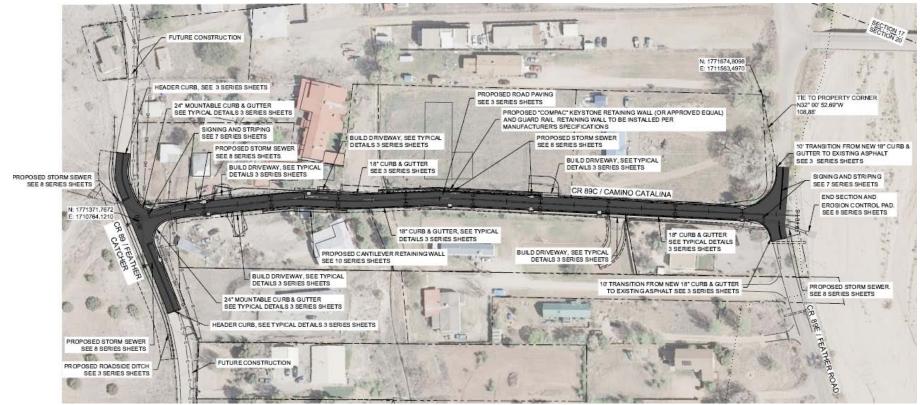
Only Road Into Area

ADT 400

NMDOT Bridge Inspection Report

Structurally Deficient Bridge

Camino Catalina - CR 89C



New Drainage and Paving Project

<u>Project Scope</u> Major Drainage Improvements New Pavement Surface Drainage Easement Acquisition <u>Project Limits</u> Camino Catalina Feather Rd Feather Catcher

Road and Utility Construction District 2 Projects

Project Name	Nature of Procurement	Percent Complete
Agua Fria Utilities Plan (PER) PHASE I	Plan	90
Antonio Lane Sewer Upgrade		
(Frozen State Funded)	Design	0
Vista Aurora Sewer System		
(Frozen State Funded)	Design	5
Alamo Lane	Construction	1
Puesta del Sol Roads	Construction	25
Camino Jacobo - SF Housing Authority	Construction	0

Alamo Lane



New Paving Project

<u>Project Scope</u> Placement of 5 ¹/₂" Millings for Basecourse

Placement of 2 ³/₄" new Hot Mix Asphalt Surface

<u>Project Limits</u> Agua Fria Road Lopez Lane

Puesta Del Sol

Chip Seal Projects

Consist of Drainage Improvements Subgrade Preparation Placement of 4" of Basecourse New Double Layer Chip Seal Surface 2.63 Miles of New Construction Calle Sin Sonte Camino Espejo Calle Vereda Calle El Gancho Camino Del Prado Camino Peralta

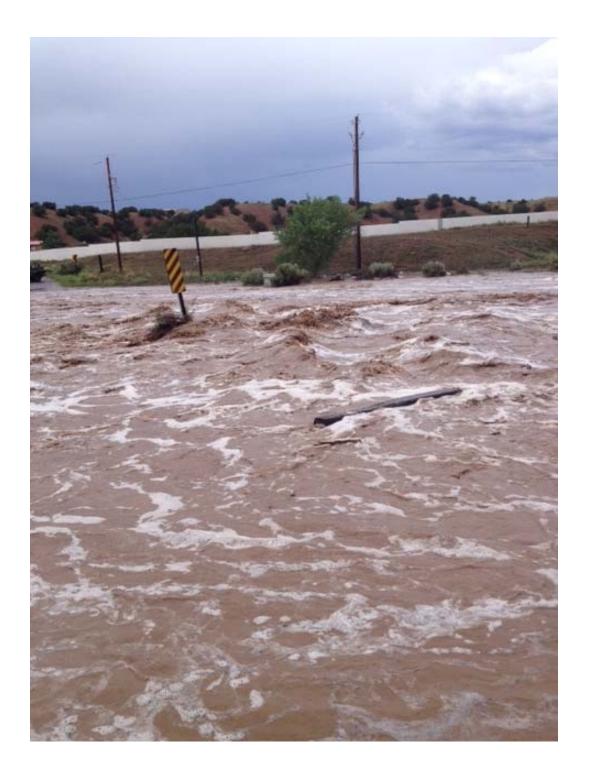


Road and Utility Construction District 3 Projects

Project Name	Nature of Procurement	Percent Complete
Upgrade County Road 50A - Camino San Jose	Plan	50
Los Pinos Road AWC at Arroyo Hondo	Design	10
CR54 Los Pinos All Weather Crossing Arroyo		
De Los Chamisos	Construction	0
CR50F - Entrada La Cienega	Construction	0
CR 55A General Goodwin Rd Design Upgrade	Design	50
Torcido Loop - Design/Archaeological Survey	Design	30
Upgrade Race Track Subdivision Chip Seal	Design	25

CR 54 Los Pinos All Weather Crossing Arroyo De Los Chamisos (ADT 1323)





Los Pinos All Weather Crossing At Arroyo Hondo (7/27/2014)

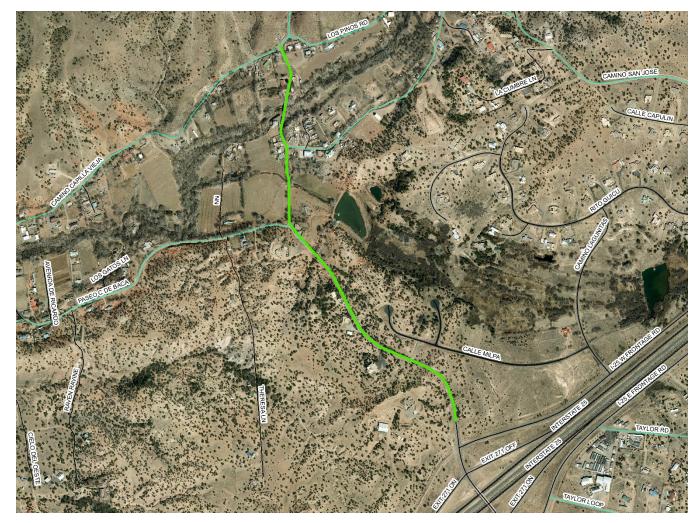


Los Pinos All Weather Crossing At Arroyo Hondo (7/27/2014)



Los Pinos All Weather Crossing At Arroyo Hondo (7/28/2014)

Entrada La Cienega



New Paving Project

<u>Project Scope</u> Placement of a new 2" Hot Mix Asphalt Overlay

Project Limits I -25 Frontage Road

Los Pinos Road

General Goodwin Road – CR 55A



New Drainage and Paving Project

<u>Project Scope</u> Major Drainage Improvements

New Asphalt Road Surface

Project Limits State Road 14 Galisteo River

CR 55A General Goodwin Road (9/16/13) Average Daily Traffic 624



CR 55A General Goodwin Road (9/16/13) Average Daily Traffic 624



Torcido Loop



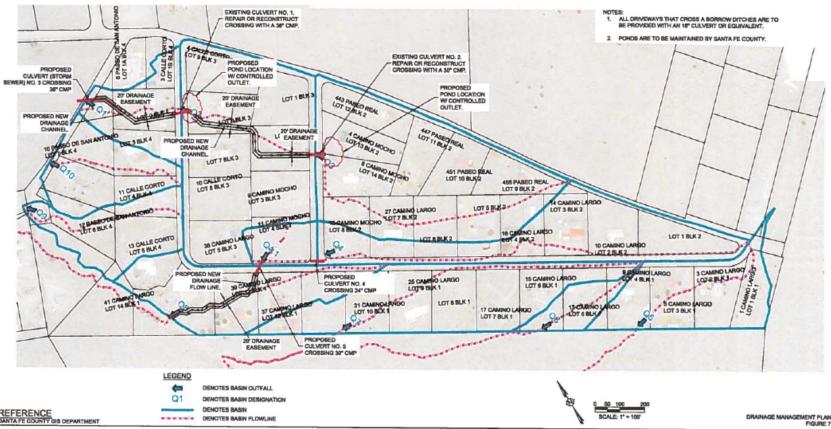
New Drainage and Paving Project

<u>Project Scope</u> Major Drainage Improvements

New Road Surface

Project Limits Torcido Loop

Racetrack Subdivision



New Drainage and Paving Project

<u>Project Scope</u> Major Drainage Improvements New Pavement Surface Drainage Easement Acquisition Project Limits Camino Largo Camino Corto Camino Mocho

Road and Utility Construction District 4 Projects

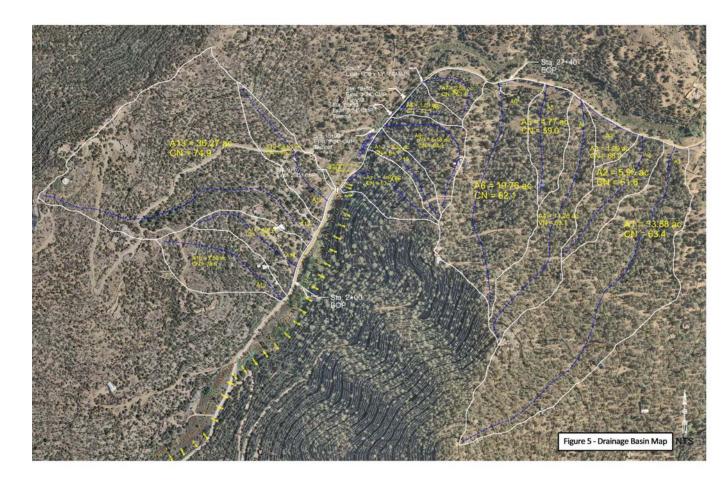
Project Name	Nature of Procurement	Percent Complete
Calle Cantando Chip Seal	Construction	25
Paseo De Rincon	Construction	25
Camino Pacifico	Construction	0
Puye Road	Construction	25
CR67F La Barbaria Drainage and Road Paving		
Design	Design	60
UDV Waterline Construction Reimbursement	Other	99

Chip Seal Projects

Consist of Drainage Improvements Subgrade Preparation Placement of 4" of Basecourse New Double Layer Chip Seal Surface Calle Cantando Paseo De Rincon Camino Pacifico Puye Rd



La Barbaria – CR 67F



New Drainage and Paving Project

Project Scope Major Drainage Improvements

New Pavement Surface

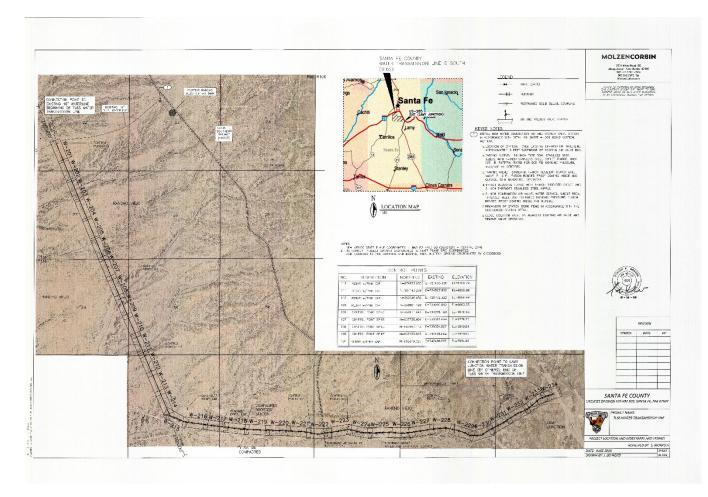
Project Limits End of Pavement CR 67F

End of County Maintenance CR 67F

Road and Utility Construction District 5 Projects

Project Name	Nature of Procurement	Percent Complete
TL6S Water Transmission Line	Design	100
Lamy Junction Water Transmission Line Avenida Amistad Chip Seal	Design	60
(Frozen State Funding)	Construction	0
NE-SE Connectors Location Study	Plan	85

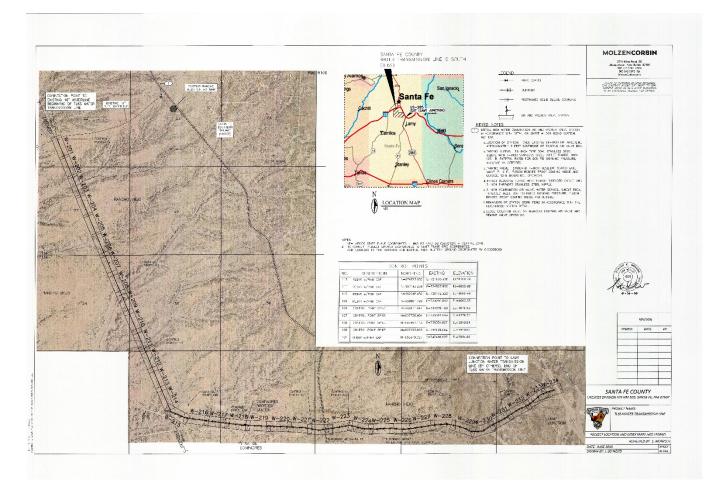
TL6S Water Transmission Line



New Construction of a Water Transmission Line

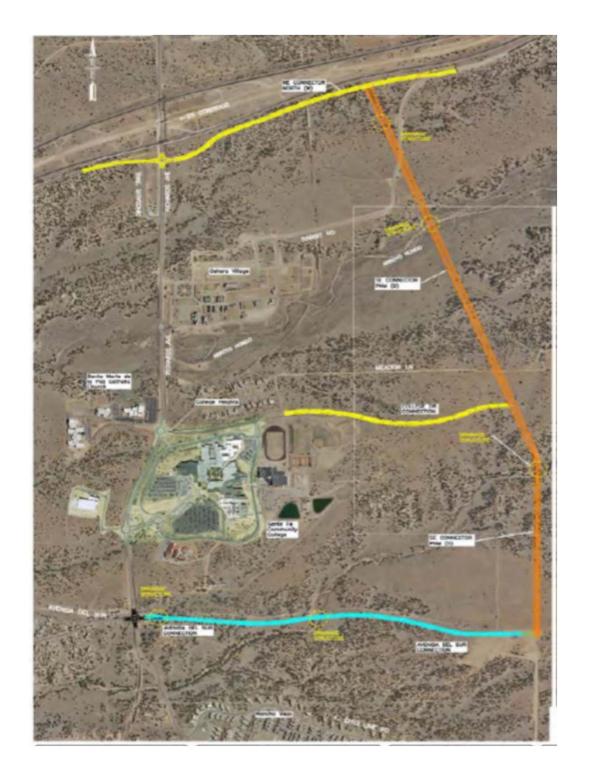
Project Scope New construction of a 12" water line transmitting water from the Rancho Viejo Water Tank to the proposed Lamy Junction Water Transmission Line

Lamy Junction Water Transmission Line



New Construction of a Water Transmission Line

<u>Project Scope</u> New construction of a 10" water line transmitting water from the TL6S Water Transmission Line to Canoncito.



NE/SE Connector

<u>NE Connector</u> Provide access controlled multimodel system connectivity by providing a direct connection between Rabbit Road and Dinosaur Trail

<u>SE Connector</u> Reduce congestion on Richards Avenue by providing an alternative route from Rabbit Road to Avenida Del Sur

Vertical Construction and Open Space Projects Team

- Mark Hogan, AIA
- Colleen Baker
- Ron Sandoval
- Scott Kaseman
- Joseph Martinez
- Brad Isaacson

Projects Architect Projects Manager III Project Manager III Project Manager II Project Manager II Project Manager II

County Wide Projects

Project Name	Nature of Procurement	Percent Complete
Women's Health Building	Design	30
Adult Detention Facility Master Plan	Design	25
County Administrative Offices	Design	33
Public Works Expansion PH II - Property Control bldg.	Design	50
PW - HVAC Upgrades Design	Design	100
District Attorney Complex ADA & Office Upgrades	Design	70
Solarize County Facilities	Construction	15

Women's Health Building



Project Scope of Work

- Electrical Meter Equipment Upgrade
- Re-Surface Parking lot using the Micro Surfacing Process.
- HVAC Upgrades
- ADA upgrades

Adult Detention / Youth Development Program Master Plan

The current Youth Development Program – Juvenile Detention Facility located at 4250 Airport Rd in Santa Fe, is no longer able to meet the needs of County Youth housed at the facility. The needs for youth detention have changed, with some County youth being transferred to the New Mexico Youth Diagnostic Development Center facilities, the current facility is too large and does not meet the current programmatic needs as outlined in the New Mexico "Cambiar" or Missouri model recommendations.

Scope of Work - Analysis & Recommendations of either:

- 1. Demolish the existing facility and build a new facility at the current site, or
- 2. Build a new facility in proximity to the County Public Safety complex across from the ADF.
- 3. Repurpose existing facility for YDP

YOUTH DEVELOPMENT PROGRAM



Adult Detention / Youth Development Program Master Plan

SCOPE OF WORK:

The Santa Fe County Adult Detention Facility (ADF) is experiencing an increased need to provide expanded services to inmates. In order to continue to provide the current level and expansion of service, the ADF will need to Master Plan for the following:

- IMPROVE MEDICAL HEALTH AND BOOKING
- EXPAND THE EAST SALLY PORT
- ADD FREE STANDING ARMORY
- NEW MAINTENANCE SHOP
- RECOMMEND SPACE NEEDS FOR SHOP
- UPDATE AND UPGRADE SECURITY INFRASTRUCTION.
- RECOMMEND IMPROVED ENTRY LOBBY
- ANALYZE AND RECOMMEND IMPROVED LIGHTING AT ACCESS DRIVE
- PLAN FOR NEW DOG RUN

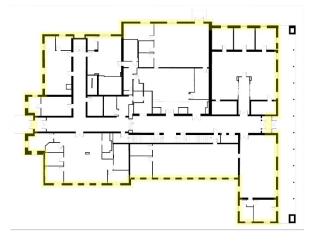
ADULT DETENTION



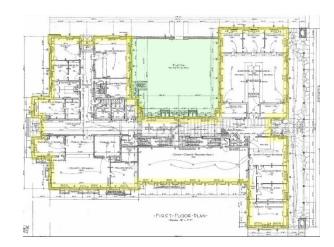
Old County Administration Office Restoration

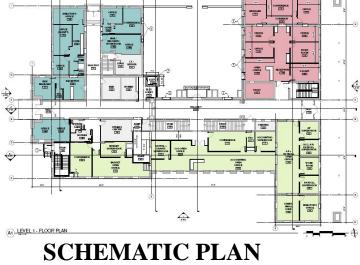


• Current Plan of Ground Floor



• Original Plan of Ground Floor Showing Placita to be Restored





County Administrative Offices Grant Street Complex



FROM NORTHWEST



FROM SOUTHWEST



FROM NORTHEAST



FROM SOUTHEAST

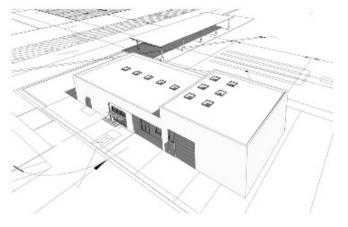
SPEARS HORN ARCHITECTS

		0
SHEET NAME	AXON VIEWS	SHEET NUMBER
DATE	APRIL 5, 2017	A9.4

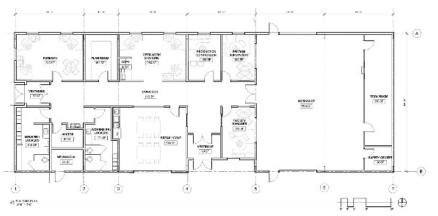


Public Works Phase II Property Control Facility

RENDERING



AS ARRAL FROM SOUTHEAST



FLOOR PLAN

AERIAL SITE PHOTO



Scope of work:

Provide design for a new 5400 square foot Property Control Facility, to replace the current facility at the Old Galisteo Road site, to include the following:

- Offices
- Workshop space
- Meeting Room
- Storage
- Restrooms
- Outside Vehicle Storage and Staff Parking

Commission District 1

Project Name	Nature of Procurement	Percent Complete
Agua Fria - La Tierra Fire Station Addition	Design	Start Up
Chimayo Fire Station - Main	Design	Start Up
Pojoaque Station #2 - Nambe	Design	Start Up
La Puebla Station #1	Design	Start Up
Jacona - Northern Santa Fe County Solid Waste Convenience Center	Construction	Pending
Pojoaque Valley Recreation Complex Phase II	Design	100
Bennie J Chavez Septic System	Construction	Frozen
Greater Chimayo MDWCA Waterline	Construction	95
Cuatro Villas MDWUA Waterline	Construction	5
Rio Quemado Watershed Restoration Phase II	Construction	5
Chimayo Fire Station Addition	Design	0

Pojoaque Valley Recreation Complex



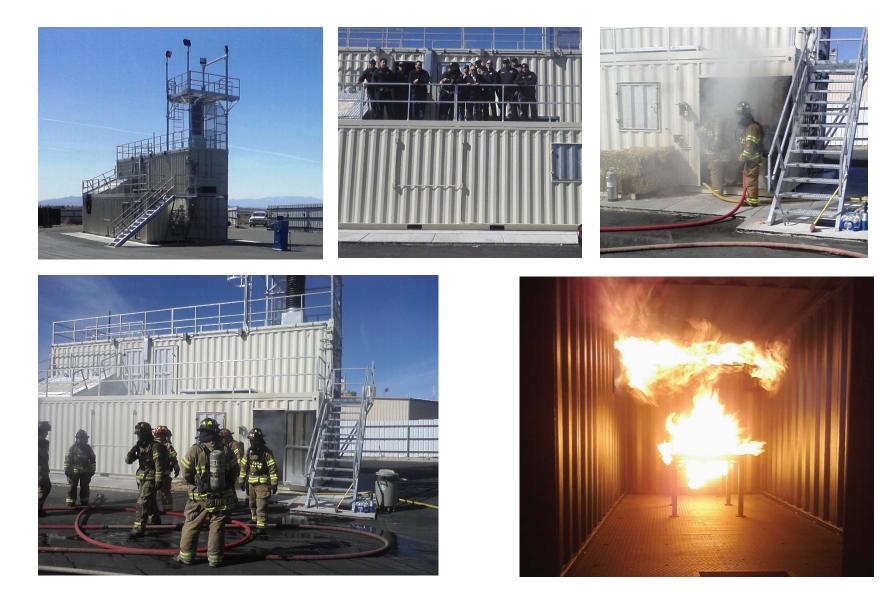
Phase I Complete Phase II Summer 2017

Rio Quemado Watershed Restoration



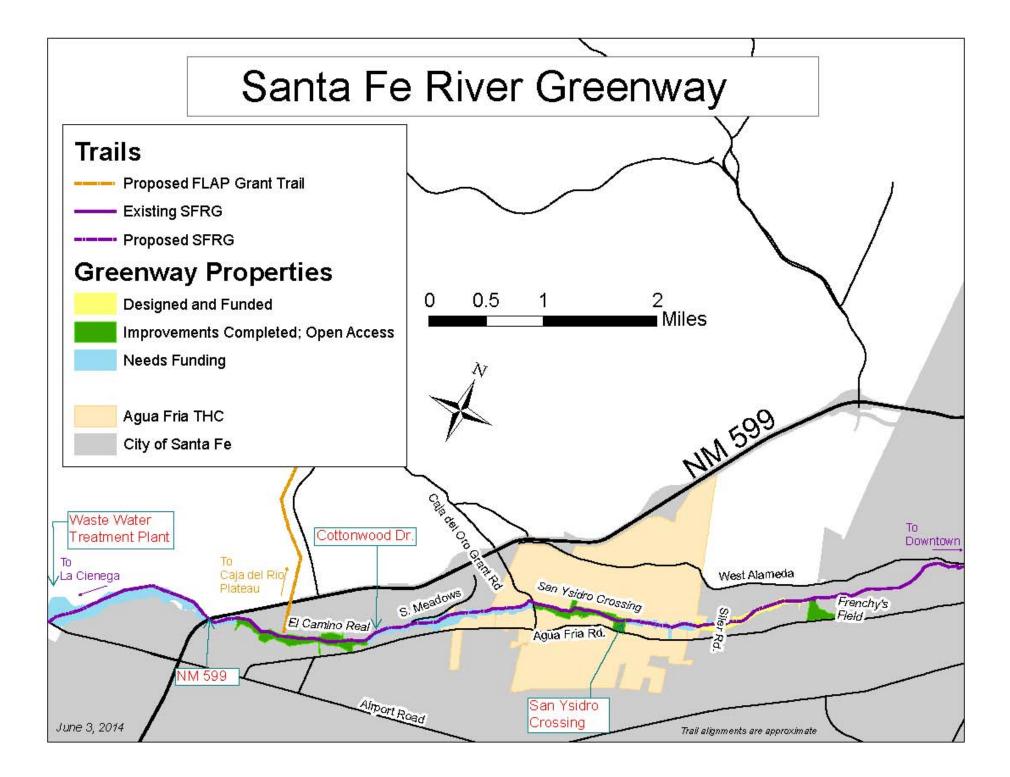
Project Name	Nature of Procurement	Percent Complete
Nancy Rodriguez CC - Improve access, parking, irrigation, add portal Landscape Arch	Construction	10
Santa Fe Mountain Center Renovation	Design	100
Santa Fe River Greenway Acquisition PH-A	Acquisition	97
Santa Fe River Greenway: Frenchy's Field to Siler- Update Design	Design	100
Santa Fe River Greenway Design - El Camino Real	Design	98
Agua Fria Gateway Monument - West	Acquisition	20
Agua Fria (La Tierra) Fire Station Solar	Construction	98
Agua Fria Fire Training Facility	Construction	99
Design El Camino Real Buckman Road Segment Retracement Trail	Other	95

Agua Fria Fire Training Facility

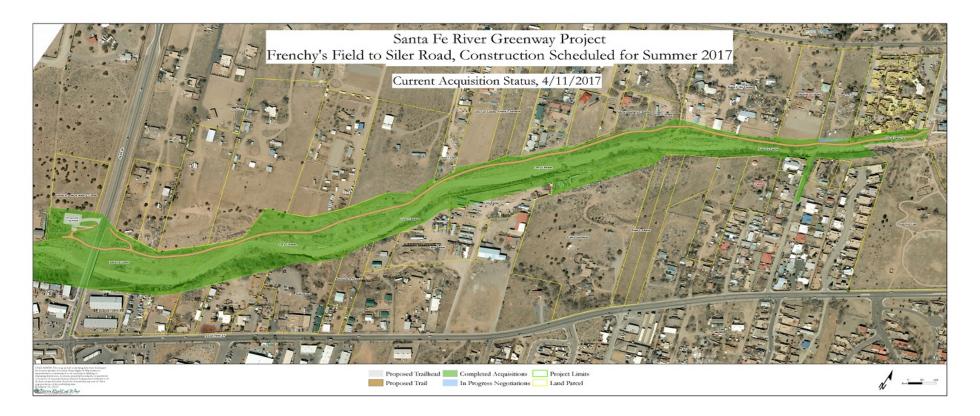


Agua Fria Gateway Monument



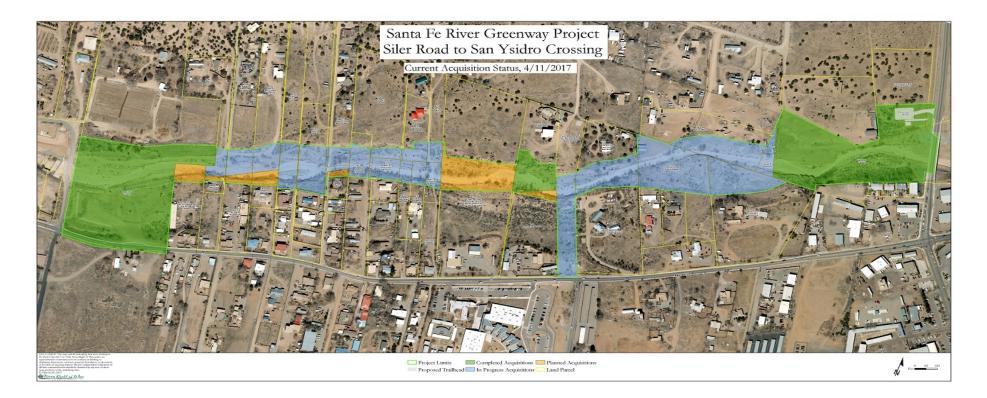


Section A Frenchy's Field To Siler Road



- 17 Parcels comprising 21 acres have been acquired for construction
- 100% construction plans complete
- RFP is being advertising in April 2017
- Construction time estimated to begin July 2017
- Construction duration 4-6 months

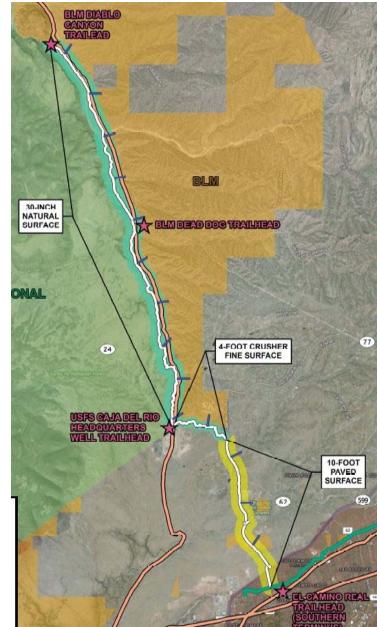
Section B Siler Road to San Ysidro Crossing



- 30% Conceptual Design complete
- Acquisition of 27 parcels consisting of 17.7 Acres in progress
- Additional funding required for complete design and construction

El Camino Real de Tierra Adentro Trail

- 15 mile trail that retraces a portion of the El Camino Real de Tierra Adentro National Historic Trail
- Project managed by Federal Lands Access Program
- Partnership of Santa Fe County, US Forest Service, National Park Service, Bureau of Land Management, City of Santa Fe
- Paved 10' wide multi-modal trail along Caja del Rio Road from River Trail past to MRC to CR62
- Crusher Fine (4') to USFS Headquarters Well Trailhead
- Natural Surface (2.5') to Diablo Canyon Trailhead
- Construction anticipated summer 2017



Nancy Rodriguez Community Center Upgrades

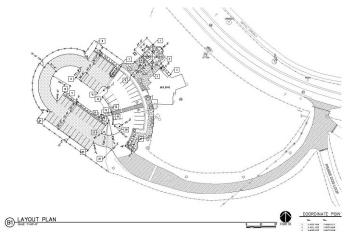
AERIAL PHOTO





Scope of Work:

- There is a need to extend and add 36 new parking as this community center is frequently used by the community
- An outdoor, covered gathering place We will repurpose one of the two 30'x30' shade structures removed from Romero Park.
- Improve the irrigation system and landscaping with improved pedestrian hardscape walkways.
- Include electrical conduit to connect to future photo-voltaic carports.



FINAL CONSTRUTION PLAN

Santa Fe Mountain Center

Project Scope of Work

- New kitchenette within existing space
- Convert existing loft area into office space
- Build a new storage
- Electrical Upgrades
- Plumbing/Mechanical work





Project Name	Nature of Procurement	Percent Complete
Edgewood Fire Station #3	Design	Start Up
Edgewood Fire Station - Stairs	Design	Start Up
Edgewood Senior Center ADA Improvements	Design	100
Stanley Cyclone Center Arena	Construction	99
Highway 14 Senior/Community Center	Design	30
Mt. Chalchihuitl	Acquisition	50
Thornton Ranch Open Space	Plan	80
Thornton Ranch Open Space	Archaeology	95
Edgewood Fire Station Solar	Construction	5
Madrid Fire Station Expansion	Design	5
Edgewood Fire Station #2/Cedar Grove (1)	Design	100

Edgewood Senior Center



Project Scope

- Remove and replace existing concrete ramp and railings.
- Modifications to existing bathrooms for ADA compliance.
- Add new electrical
- Construction of a Portal on the North side of facility Including Bollards and Lighting.





Stanley Cyclone Center









Highway 14 Senior and Community Center





Scope of work:

Phase I: Design new 5,200 sf. Senior Center, Site Improvements and Parking in the Historic Village of Cerrillos.

Phase II: Add 2,300 sf. Addition to the Center to add a Community Center.

Future: Add Turquoise Trail Volunteer Fire Station to East end of the site.

Mt. Chalchihuitl

The turquoise mine at Mt Chalchihuitl is the largest and most significant of the early turquoise mines in North America. The purpose of the project is to implement the environmental remediation plan approved by NMED for the property. This involves consolidating and capping the lead bearing mine tailings from the Cash Entry Mine. The remediation project will make it possible to open the property to the public.



- The Projects Division has commissioned a mineral rights appraisal to support completion of the acquisition of property.
- The Voluntary Remediation Program workplan has been drafted.
- VRP workplan will be submitted to NMED with negotiated purchase agreement and updated Phase I ESA

Thornton Ranch Open Space Masterplan



The Thornton Ranch Open Space was purchased by Santa Fe County to protect significant cultural resources and to provide opportunities for public interpretation of the Galisteo Basin. The Master Plan focus on protecting the cultural resources while providing public access to and interpretation of this significant landscape.

In order to advance the planning effort Santa Fe County is currently conducting tribal consultations with the Native American Tribes that have ancestral ties to the Galisteo Basin.

Madrid Fire Station Expansion



Scope of work:

- Expand Apparatus Bays
- Restroom and other ADA improvements
- Training Room Addition
- Septic System improvements
- Facility index upgrades

Edgewood Fire Station No. 2 - Cedar Grove



Project Scope

- Modifications for ADA compliance
- Plumbing Upgrades
- Removal of existing lockers in bathroom
- Electrical and Lighting Upgrades





Project Name	Nature of Procurement	Percent Complete
Turquoise Trail Fire Station #2	Design	Start Up
Hondo Fire Station #2 (Hwy 285 & OLV Hwy)	Design	Start Up
Eldorado Fire Station #2	Design	Start Up
Turquoise Trail Fire Station in Cerrillos	Design	Start Up
Eldorado Main Station	Design	Start Up
Ag Extension Office	Design	65
UDV Waterline Construction Reimbursement	Other	99
Construct Santa Fe Rail Trail Segment 4	Construction	99

Santa Fe Fairgrounds – Agricultural Extension Office

AERIAL PHOTO



EXISTING FACILITY

Scope of Work:

- Remodel existing 2800 Square Foot Building.
- Add 1600 Square Foot Office Addition
- Add ADA Pathway from Bus Stop on Rodeo Road to the Fairgrounds
- 7 office spaces that will include:
 - 1. Director fixed
 - 2. 3 county faculty fixed
 - 3. Demonstration Kitchen and classroom: Ideas for Cooking and Nutrition (ICAN) cubicle
 - 4. Master Gardeners cubicle

RENOVATED FACILITY RENDERING





Santa Fe Rail Trail Segment 4

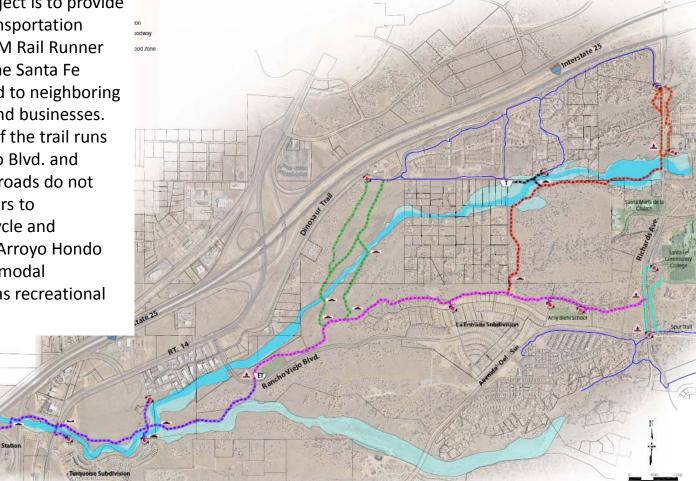
Construction Closeout is in process.



Project Name	Nature of Procurement	Percent Complete
Arroyo Hondo Trail	Design	60
Construct Santa Fe Rail Trail Segment 5	Environmental	1
Acquire Santa Fe Rail Trail Segment 6	Acquisition	30
Leo Gurule Basketball Court	Construction	10
Galisteo Fire Station Remodel	Design	99
Eldorado Fire Station 4	Acquisition	0

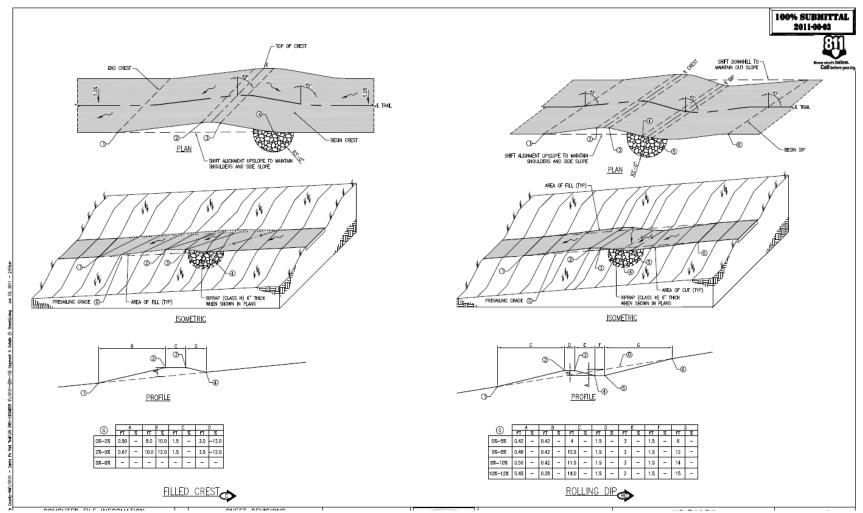
Arroyo Hondo Trail

The purpose of the project is to provide a viable alternative transportation route to connect the NM Rail Runner Station at NM 599 to the Santa Fe Community College and to neighboring subdivisions, schools and businesses. The primary segment of the trail runs parallel to Rancho Viejo Blvd. and Avenida del Sur; these roads do not have adequate shoulders to accommodate safe bicycle and pedestrian traffic. The Arroyo Hondo Trail will provide multi-modal transportation as well as recreational opportunities.



The project includes construction of approximately 6 miles of multi-use, ADA accessible, paved or other suitable surface, 10ft wide trail between I-25 at the NM Rail Runner Station and Richard's Avenue, approximately 5 miles of natural surface pedestrian and equestrian trails, and a trailhead. The project is currently under contract for design. The design was funded by FY 13 GRT funds. The estimated construction cost is \$5,600,000 exclusive of GRT. The project will be constructed in phases.

Santa Fe Rail Trail Segment 5



The design of the Santa Fe Rail Tail from Rabbit Rd to New Moon overlook is complete and is divided into 6 segments. Construction of the trail has been phased. The current phase involves construction of approximately 5 miles of 8 foot wide crusher fines trail along the Santa Fe Southern Railway between Avenida Vista Grande at mile post 6.5 and New Moon Overlook.

Leo Gurule Park



Project Scope

- Replace deteriorated Basketball court and/or
- Replace deteriorated Tennis court.
- Replace and upgrade existing equipment
- Add a new sidewalk from parking area to both courts and sitting area.





Ken and Patty Adam Senior Center Max Coll Corridor Community Center

Final Completion by Bonding Company on mechanical systems and other building components left incomplete by original contractor.



Water System Acquisitions & Support

Canoncito at Apache Canyon MDWCA

- Resolution 2012-55 commits to incorporate system into SFC Utility
- 77 customers
- Water quality poor (Ra, Fe, Mn, SO4)
- Proprietary Radium treatment system leased through June 2018
- System acquisition pending new source of supply
- Historical over-diversion of permitted water rights
- Possible Water Trust Board grant for new distribution system (legislation passed, project pre-app underway)

Canoncito Ra Treatment



Water System Acquisitions & Support

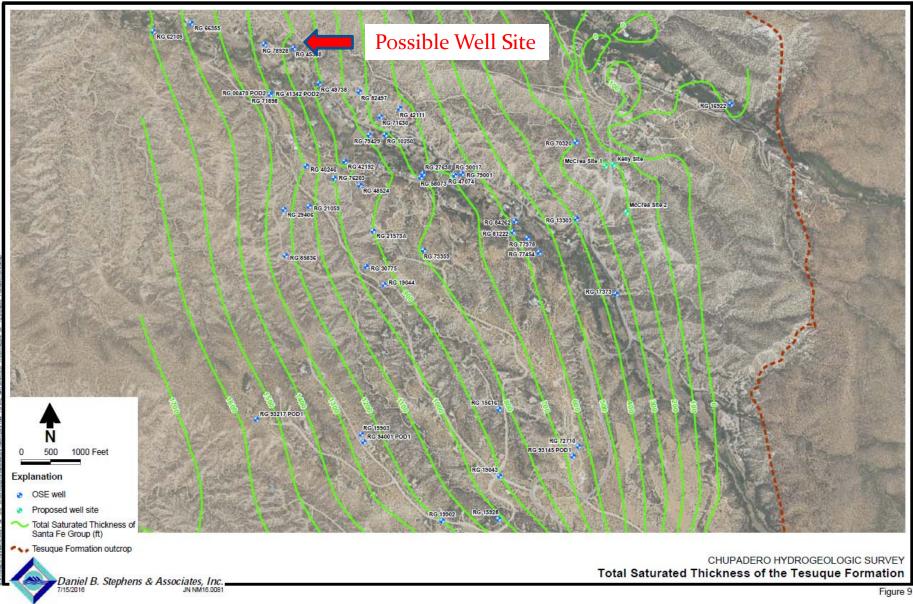
Chupadero Water-Sewage Corp

- Resolution 2012-131 commits to incorporate system into SFC Utility
- 54 customers (may also be some unauthorized connections)
- Problems with production from well in drought years
- Geohydrology analysis completed
- New well (securing location / well design underway)
- Meters needed to identify customer water use (replacement project underway)
- Issues surrounding easements for infrastructure and distribution

Chupadero Water System



Chupadero Aquifer Depth

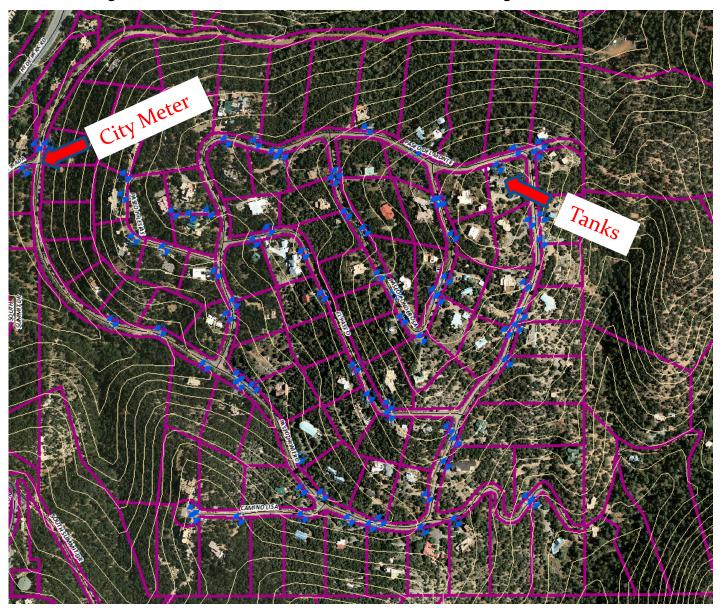


Water System Acquisitions & Support

• Hyde Park Estates Cooperative DWA

- Resolution 2013-66 commits to incorporate system into SFC Utility
- 76 customers
- Current water supply from City of Santa Fe multi-user account (pumped to tank at top of subdivision)
- Wells to be abandoned (14 AFY water rights)
- Easement issues for domestic meters
- Infrastructure asset upgrades needed
 - Automated system controls
 - Compatible domestic meters

Hyde Park Estates System



Water System Acquisitions & Support

Greater Chimayo & Cuatro Villas MOAs

- Memorandums of Agreement approved 6/14/16 by BCC
- Distribution improvements managed by Associations
 - CR94B for Chimayo
 - Cuartelez for Cuatro Villas
- Payments to contractors reimbursed by County
- Chimayo distribution improvements completed, will request authorization for use of remaining funds
- Cuatro Villas improvements pending easements, expect construction start in 2-3 months

Utility Master Plan

The Utility Master Plan is a planning effort that will evaluate three components of the Utility, Water, Wastewater, and a Cost of Service Study. Embedded in the Master Plan is a 5 Year Capital Improvement Plan (CIP), a 10 year CIP, and a twenty Year CIP. This plan will be the road map for the utility for the next twenty years.

The RFP for the Utility Master Plan was advertised on 2/26/17. Oral Presentations are the next step in the procurement process. We anticipate that a contract will be awarded in June 2017 for this effort. We anticipate that the Utility Master Plan will be complete within 9 to 12 months of award.

Operations Division

• Mission Statement:

Maintain all Santa Fe County Facilities, and Open Space & Trails efficiently and cost effectively without sacrificing the quality of workmanship. Our goal is to provide a comfortable and safe work-place for our employees as well as a clean well-maintained environment for the public. We do this by taking a proactive rather than a reactive approach to maintenance.

• The Operations Division is managed in three sections:

- Property Control
- Building Services
- Open Space and Trails



Operations Division

• What We Do:

The Property Control, Building Services, and Open Space and Trails sections provide physical support, custodial and maintenance services to over 85 different county-owned facilities comprising over 530,000 square feet of building space, 6,550 acres of open space, 46 miles of trails, and 46 acres of parks. Among other responsibilities, Operations staff insure building safety and the optimal performance of building systems by providing preventative maintenance and repair of mechanical, HVAC, electrical, plumbing, building security systems and interior/exterior repairs and renovations.

Responsibilities:

- Prioritize all repairs and projects to be completed in a timely and cost efficient manner.
- Apply maintenance schedules to all county buildings.
- Centralize HVAC temperature control of systems to optimize energy use.
- Work with architects and contractors on projects where needed.
- Work with other departments on developing bid specifications for outside services that are needed.
- Analyze all maintenance contracts with the County to ensure we are receiving optimum service at a reasonable price.
- Purchase equipment at the best price to complete projects efficiently.
- React immediately to all emergency situations.
- Maintain healthiness and cleanliness of all County buildings.



County Wide Projects

Project Name	Nature of Procurement	Percent Complete
Public Safety gate replacement and card access	Construction	0
Public Safety parking lot upgrades	Construction	0
County Administration Facility reroof	Construction	100
State Health reroof	Construction	100
Adult Detention parking lot	Construction	100
Adult Detention reroof	Construction	0
Human Resources secured entryway	Construction	100
Community Services secured entryway	Construction	100

Public Safety Parking Lot and Security Gates







County Administration and State Health Re-roofs

State Health 17,000GSF reroof County Administration 43,154 GSF reroof



Adult Detention Parking Lot









Human Resources and Community Health Security upgrades





	Nature of	Percent
Project Name	Procurement	Complete
El Rancho Senior Center HVAC replacement	Construction	100
Pojoaque Fire Station #1 HVAC replacement	Construction	100
Santa Cruz Senior Center parking lot upgrades	Construction	0
Marcos Trujillo Center renovation	Design	0





Project Name	Nature of Procurement	Percent Complete
Agua Fria Fire Station #2 reroof	Construction	100
Agua Fria Historical Marker	Construction	100

Project Name	Nature of Procurement	Percent Complete
Madrid Fire Station #1 reroof	Construction	100
Galisteo Fire Station reroof	Construction	0





Project Name	Nature of Procurement	Percent Complete
Ken and Patty Senior Center reroof	Construction	0
El Dorado Fire Station #1 reroof	Construction	100





Questions

And

Answers

