

# Five Year Capital Improvement Plan



COUNTY OF SAN DIEGO  
**DEPARTMENT OF  
PUBLIC WORKS**



Fiscal Years  
2016/17 to  
2020/21



County of San Diego  
Department of Public Works  
*Five Year Capital Improvement Plan 2016/17 to 2020/21*



## County of San Diego Board of Supervisors



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District 1



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District 2  
Vice Chair



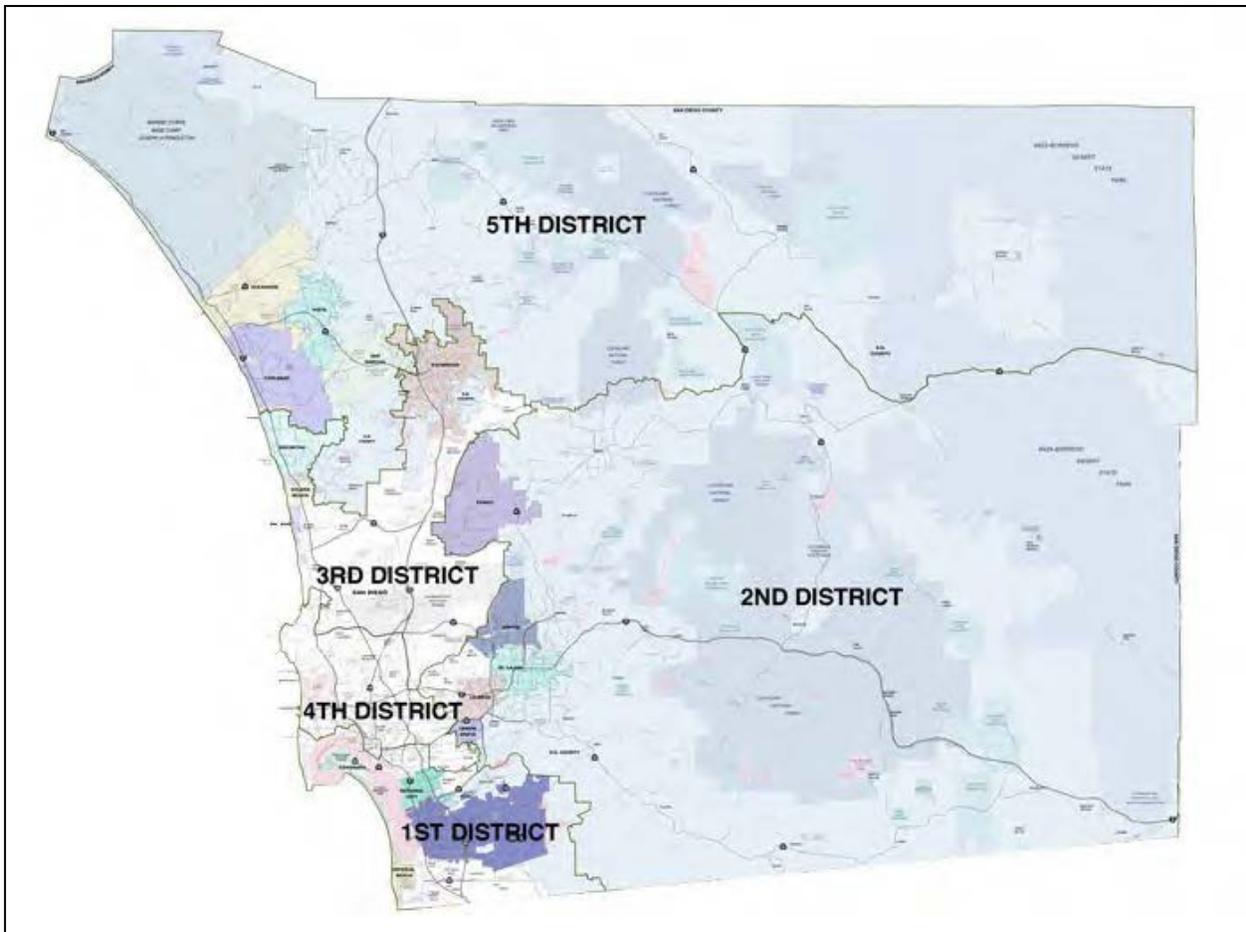
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## 1. Department of Public Works Overview

The Department of Public Works (DPW) is responsible for: County-maintained roads; traffic engineering; land development civil engineering review; design engineering and construction management; land surveying and map processing; cartographic services; watershed quality and flood protection; County Airports; solid waste planning and diversion; inactive landfills; wastewater systems management; and special districts.

## 2. Mission Statement

*Preserve, enhance and promote quality of life and public safety through the responsible development of reliable and sustainable infrastructure and services.*

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*Commitment: Promote a culture that provides responsive service through highly motivated, professional and knowledgeable staff in a safe, fair and efficient work environment.*

*Integrity: Provide leadership and promote collaboration to balance stakeholder interests.*

*Stewardship: Manage resources to continually improve services, and balance safety and infrastructure needs with protection of the environment.*

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## 3. Summary

The Department consists of four divisions responsible for a variety of activities. These range from the construction and maintenance of roads and highways in the unincorporated areas of the county, to the management of the region's sanitation and flood control districts. It also includes construction, operation and maintenance of regional general aviation airports, such as McClellan-Palomar Airport in Carlsbad and Gillespie Field in El Cajon.





## 4. Department of Public Works Countywide Overview

Area of County served	4,261 square miles	
Size of County in Unincorporated areas	3,572 square miles	
Annual Budget	Approx. \$244.8M	
Employees	507	
Permanent Work Locations	16	
Miles of Road Maintained	1,953.71	
Bridges Maintained	200	
Airports Owned & Operated	8	
Annual Airport Flight Operations	516,049	
Major Projects Designed Yearly	10-15	
Permits Processed Yearly	4,575	
Special Districts/County Service Areas	71	
Legends Painted on Ground	12,459	
Traffic Signals	187	
Street Lights	6,500	
Traffic Signs	36,601	
Miles of Guardrail	76	
Miles of Sewer Maintained	432	
Wastewater Treatment Plants	5	
Sewer Pump Stations	11	
Water Systems	4	



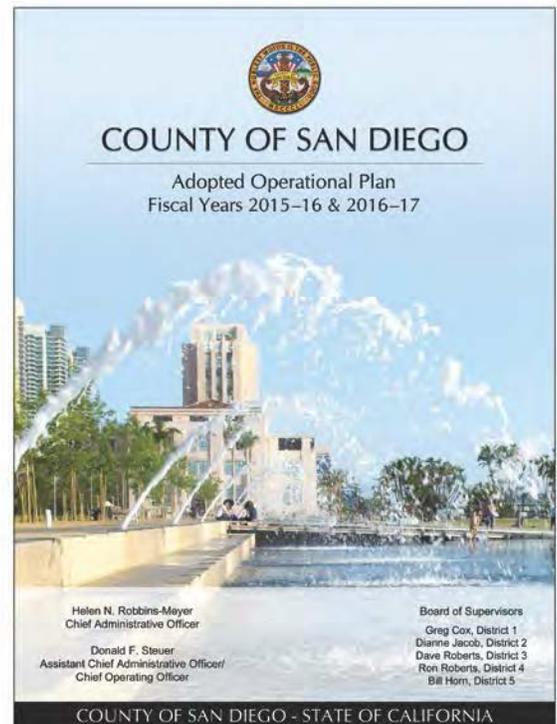
## 5. Capital Projects

The Department of Public Works (DPW) has an aggressive program to improve infrastructure within the unincorporated areas of the County of San Diego. The Capital Improvement Program consists of improvements to roads and bridges; eight county-owned and operated airports and airstrips; flood control facilities in unincorporated developed areas; and wastewater facilities owned and operated by the County. These services keep our roads and related infrastructure up to date to promote safe, viable and livable communities and make it easier for residents to lead healthy lives.

## 6. County Road Capital Improvement Funding

The Capital Improvement Program Project Development Section consists of a project management team, team leaders, design engineers and a contracts group. The project management team is responsible for overall management and coordination of planning, budget, design, environmental clearance and permitting, right-of-way acquisition and utility coordination for capital projects. Funds are approved by the Board of Supervisors through a yearly Operational Plan in the Department of Public Works Detailed Work Program. In a typical fiscal year, approximately 25 projects are in construction with about 70 other projects in various stages of development. The Detailed Work Program budget for fiscal year 2016-17 is over \$69 million. Funding for the Capital Improvement Program comes from a variety of sources including:

- **Statewide Highway Users Tax Account (HUTA) – “Gas Tax”** is the primary source of funds for the overall county road maintenance and safety improvement program. The State of California collects 27.8 cents for every gallon of gasoline sold. The State distributes money back to California counties based on the number of registered vehicles and miles of roads maintained. This money becomes a special revenue fund called the Road Fund which must be used for road and transportation purposes.
- **TransNet** – A local, ½ cent gasoline sales tax was approved by San Diego County voters in 2004 and became effective in 2008. It provides over \$500 million for projects in the unincorporated County of San Diego over 40 years and will end in 2048. TransNet is dedicated to specific road improvement projects approved by the San Diego Association of Governments (SANDAG) which is designated as the regional planning authority.
- **Transportation Impact Fee (TIF)** – The TIF program provides funding for construction of transportation facilities needed to support traffic generated by new development and to meet state law requirements. The County will collect TIF as part of the building permit process.
- **Federal Highway Administration (FHWA)** – FHWA provides funding for specific roads and bridges. FHWA funding is administered through Caltrans and includes several grant programs. The Highway Bridge Program (HBBR and HBP) is used to replace or rehabilitate county bridges.
- **Federal Aviation Administration (FAA)** – FAA provides funding for a variety of airport improvements.





- **Community Development Block Grants (CDBG)** – Federal funds to small cities and counties for community development and economic development activities such as sidewalks.
- **Federal Emergency Management Authority (FEMA)** – Grants are used to make needed repairs after damage by storms or disasters.
- **Developer Fees** – Funds provided to the County directly by private land developers to mitigate impacts within the County.
- **Other Grants** – Several other state and federal grants are used to partially fund road improvement projects.
- **Indian Gaming Special Distribution Funds (IGSDF)** – Created for local government agencies impacted by tribal gaming these funds are used to supplement road improvement projects to mitigate traffic impacts in the vicinity of Native American casinos and gaming establishments.
- **San Diego County Sanitation District** – The Sanitation District funds various projects related to its wastewater facility infrastructure. Many projects are condition-based such as pipes, lift stations or other facilities having deficiencies that warrant repair or replacement. Other projects are capacity-based such as pipes or other facilities that need to be increased in size in order to provide sufficient capacity to meet growing demands.
- **20A Conversion Projects** – SDG&E allocates funds each year through their 10A Program to each city and the County toward undergrounding utility lines in areas of public benefit.

## **7. The Five Year Capital Improvement Plan**

This plan has been developed to provide a sense of which potential CIP projects are contemplated for future budget periods. This plan is not a firm, absolute list of funded projects and many of the projects do not have funding identified. Each funded and partially funded project template shows a potential source of funding but does not necessarily indicate actual funding of the project has occurred. As design requirements, budgets and priorities change, the planned projects may also move within the plan or may drop out entirely. Likewise, this list is not all-inclusive. Often, unexpected requirements cause unforeseen projects to be inserted into the design and execution process.

This plan includes top-rated project from twenty-six community planning/sponsor groups; DPW Airports, Wastewater and Flood control Sections; DPW Transportation; TIF Plan; and one project from a Private Developer. Actual project costs may vary from the budget estimates shown in this plan. These estimates are fine-tuned as project and site data is refined during preliminary engineering. These refined project budgets are used to develop the individual yearly Detailed Work Program and allocation of funding.



## 8. Capital Improvement Program Contacts

<b>Terry Rayback</b>	<b>Deputy Director</b>	<b>(858) 694-8948</b>
<b>Sirous Deylamian</b>	<b>CIP Manager</b>	<b>(858) 694-2814</b>
<b>Michael Long</b>	<b>Lead Project Manager</b>	<b>(858) 495-5794</b>

<b>Mario Arellano</b> <i>Major Maintenance Projects</i>	<b>Project Manager</b>	<b>(858) 694-2459</b>
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<b>Nael Areigat</b> <i>Bonsall, Fallbrook, Hidden Meadows, North County Metro, Pala – Pauma, Pendleton - De Luz, Rainbow, San Dieguito and Twin Oaks</i>	<b>Project Manager</b>	<b>(858) 694-2815</b>
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<b>Christopher Hanger</b> <i>Borrego Springs, Boulevard, Descanso, Jacumba, Lake Morena / Campo, Mountain Empire, Pine Valley, Potrero, Tecate, and Valley Center</i>	<b>Project Manager</b>	<b>(858) 495-5652</b>
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<b>Michael Khoury</b> <i>All Airport projects, Cuyamaca, Julian and Ramona</i>	<b>Project Manager</b>	<b>(858) 694-3013</b>
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<b>Richard Pettie</b> <i>Alpine, County Islands, Crest – Dehesa, Jamul, Lakeside, Otay, Spring Valley, Sweetwater, and Valle De Oro</i>	<b>Project Manager</b>	<b>(858) 694-8982</b>
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<b>Mark Perrett</b> <i>All Wastewater projects</i>	<b>Project Manager</b>	<b>(858) 694-2693</b>
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## 9. Maintenance





**COUNTYWIDE MAINTENANCE**  
**Various**

Countywide maintenance includes AC Overlay, Pavement Seal, PCC Curb/Gutter/Sidewalks, Culvert Replacements/Repairs/Reline and Guardrails. Projects are requested based on public input and operations needs assessment.

Total Length                    N/A  
 Estimate Completion        Throughout Fiscal Years  
 Planning Group                Various  
 Project Manager                Mario Arellano  
 District                            Various  
 Estimated Project Cost        \$69,200,000  
 Funding/Funding Status      TransNet / Partially Funded

	<b>FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>
<b>Totals</b>	\$17,100,000	\$15,800,000	\$14,700,000	\$10,700,000	\$10,900,000



## 10. Road Reconstruction



Road Reconstruction



## ASHWOOD ST CORRIDOR IMPROVEMENTS

### Lakeside

This project will construct a passing lane from Mapleview to Cactus Park. This project was requested by the Community Planning Group.

Total Length	1.2 miles
Estimate Completion	Summer 2021
Planning Group	Lakeside
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$25,000,000
Funding/Funding Status	TransNet, Tribal / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$1,210,000	\$1,907,000	\$0	\$0	\$0
Right-of-Way	\$0	\$1,000,000	\$6,360,000	\$0	\$0
Construction	\$0	\$0	\$0	\$6,360,000	\$6,480,000
Totals	\$1,210,000	\$2,907,000	\$6,360,000	\$6,360,000	\$6,480,000

1232 C1 - B2



Road Reconstruction



## BRADLEY AVE INTERCHANGE (AT SR 67)

### Lakeside

This project improves the Bradley Avenue interchange with State Highway 67 to alleviate traffic congestion. Bridge and ramp improvements involve coordination with Caltrans. This project was requested by Community Planning Group.

Total Length	3,600 feet
Estimate Completion	Spring 2021
Planning Group	Lakeside
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$29,500,000
Funding/Funding Status	Federal Funds, TransNet and TIF / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$222,000	\$40,000	\$0	\$0	\$0
Right-of-Way	\$333,000	\$2,000,000	\$340,000	\$0	\$0
Construction	\$0	\$0	\$3,395,000	\$9,530,000	\$10,761,000
Totals	\$555,000	\$2,040,000	\$3,735,000	\$9,530,000	\$10,761,000

1251 F-2



Road Reconstruction



## COLE GRADE ROAD

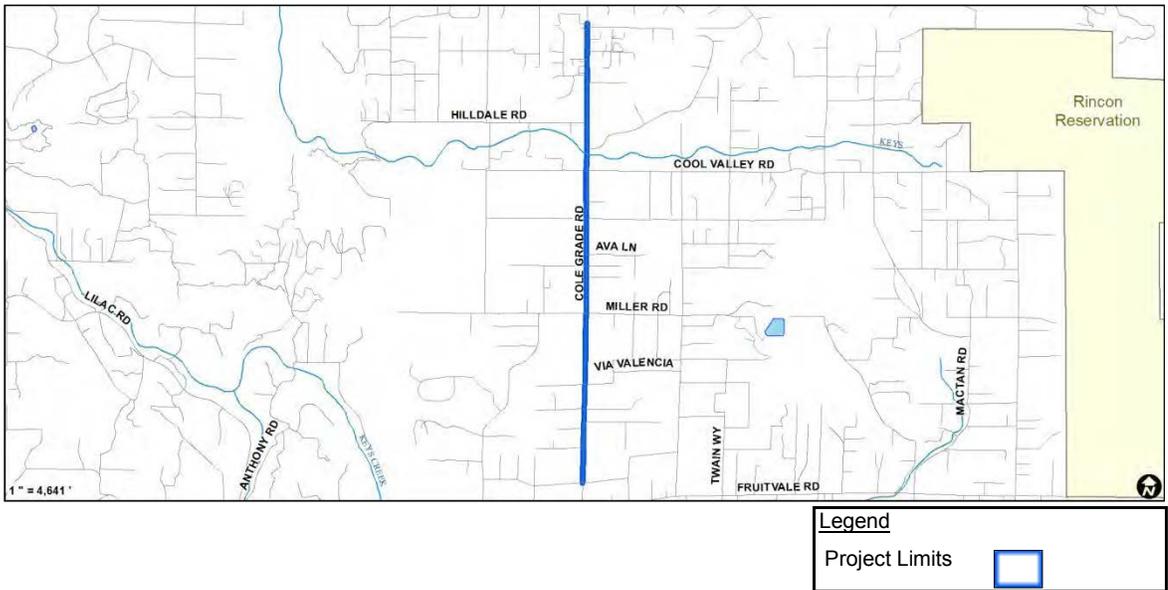
### Valley Center

This Project will widen Cole Grade Road from Horse Creek Trail to the Valley Center High School. This project was requested by Community Planning Group.

Total Length	2.5 miles
Estimate Completion	Fall 2020
Planning Group	Valley Center
Project Manager	Chris Hanger
District	5
Estimated Project Cost	\$24,000,000
Funding/Funding Status	Prop 1B and TransNet / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$406,000	\$275,000	\$0	\$0	\$0
Right-of-Way	\$900,000	\$1,325,000	\$0	\$0	\$0
Construction	\$0	\$0	\$7,625,000	\$7,625,000	\$4,000,000
Totals	\$1,306,000	\$1,600,000	\$7,625,000	\$7,625,000	\$4,000,000

1070 F-3 thru 1090 F-1



Road Reconstruction



## FALLBROOK ST ROAD IMPROVEMENTS FROM MISSION TO MAIN AND MORRO RD TO MAGARIAN RD

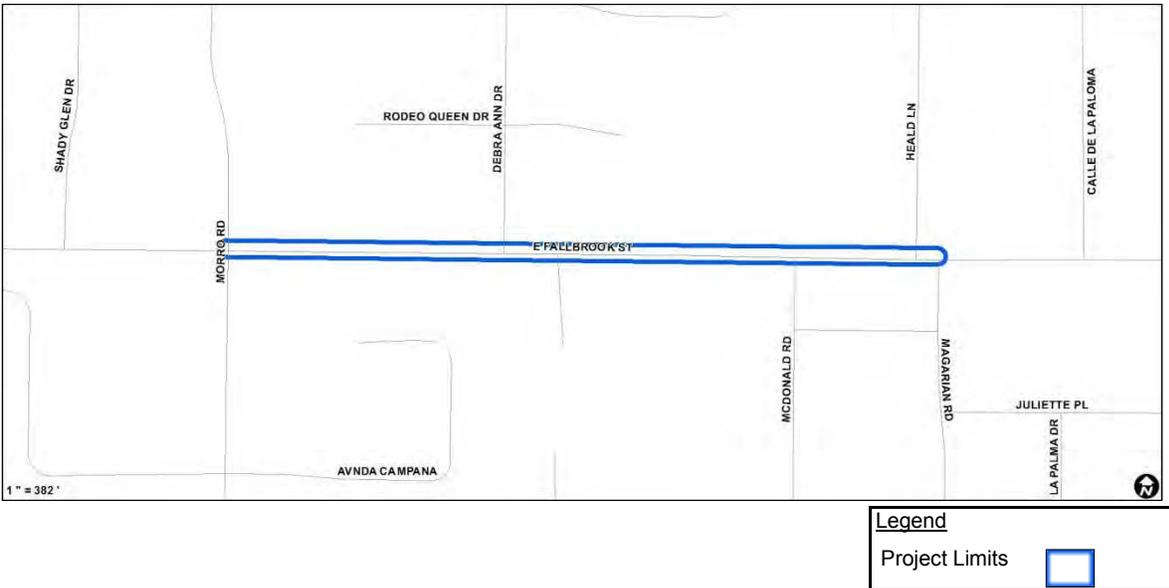
### Fallbrook

This project proposes to upgrade existing road from 2-lane Light Collector to 2-lane Light Collector with continuous turn Lanes. Project limits are from Morro Rd to Magarian Rd and from Morro Rd to Margarian for approximate 2400 feet. This project is included in TIF Plan.

Total Length	0.45 miles
Estimate Completion	TBD
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$1,950,000
Funding/Funding Status	TIF / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$465,000	\$0	\$0	\$0	\$0
Right-of-Way	\$10,000	\$0	\$0	\$0	\$0
Construction	\$620,000	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$1,095,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1027-F3 thru G3



Road Reconstruction



## KNOTTWOOD WAY EXTENSION

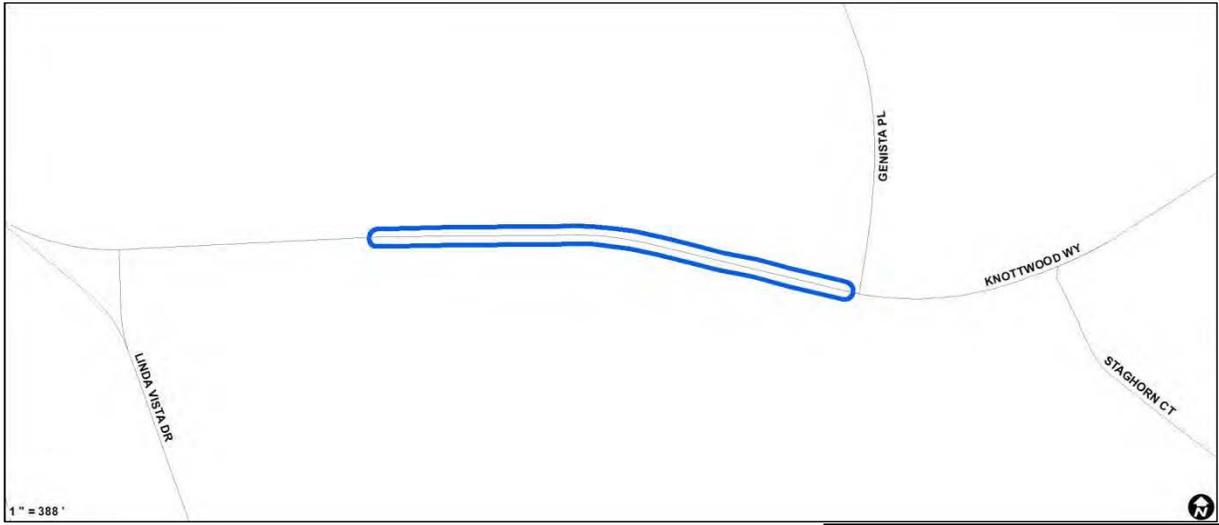
### Fallbrook

This project will extend two-lane Knottwood Way from its current endpoint, vicinity of Linda Vista Rd to vicinity of Genista Place. This project was requested by the Community Planning Group.

Total Length                    650 feet  
 Estimate Completion         Fall 2016  
 Planning Group                Fallbrook  
 Project Manager               Nael Areigat  
 District                            5  
 Estimated Project Cost       \$1,750,000  
 Funding/Funding Status      Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$300,000	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$1,300,000	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$1,600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1048 B-3



<b>Legend</b>	
Project Limits	

Road Reconstruction



## RECHE RD ROADWAY IMPROVEMENTS

### Fallbrook

This project will construct improvements along Reche Road along Live Oak Elementary School and Potter Junior High School. This project was requested by Community Planning Group.

Total Length	NA
Estimate Completion	Winter 2017
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$2,760,000
Funding/Funding Status	FHWA and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$254,000	\$480,000	\$0	\$0	\$0
Right-of-Way	\$166,000	\$0	\$0	\$0	\$0
Construction	\$100,000	\$1,420,000	\$0	\$0	\$0
<b>Totals</b>	<b>\$520,000</b>	<b>\$1,900,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1028 A-4



Road Reconstruction



## 13TH STREET GAP

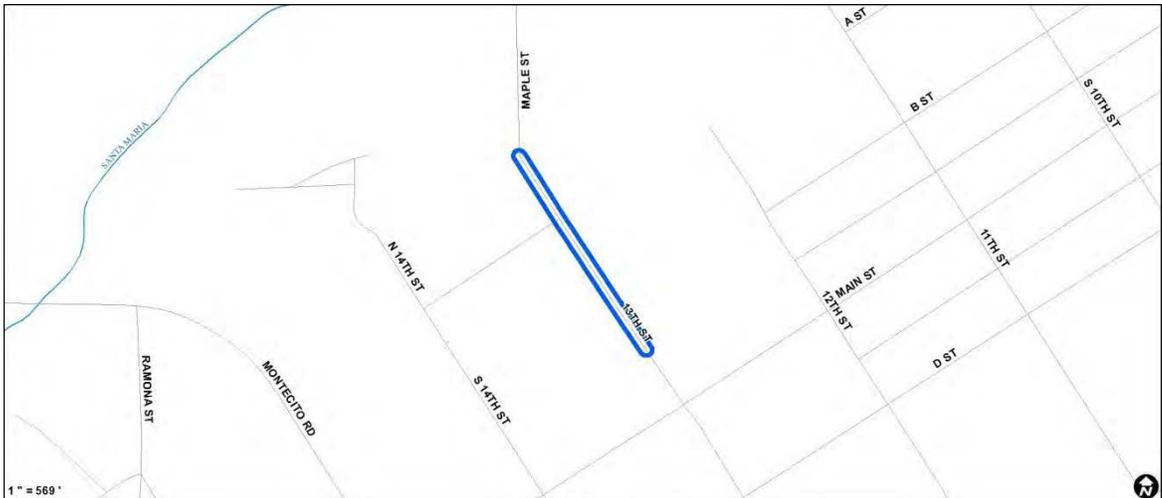
### Ramona

This project will connect the unpaved section of 13th Street between Main Street and the 13th Street Bridge Project. The project will include approximately 3,336 sq. feet of sidewalk and 12,577 of asphalt paving. This project is required as part of 13<sup>th</sup> Bridge.

Total Length	350 linear feet of paved road, 700 linear feet of sidewalk
Estimate Completion	Summer 2020
Planning Group	Ramona
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$1,300,000
Funding/Funding Status	Gas Tax / Partially Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$65,000	\$155,000	\$20,000	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$65,000	\$155,000	\$20,000	\$0	\$0

1152-F6



**Legend**

Project Limits

Road Reconstruction



## DYE ROAD EXTENSION

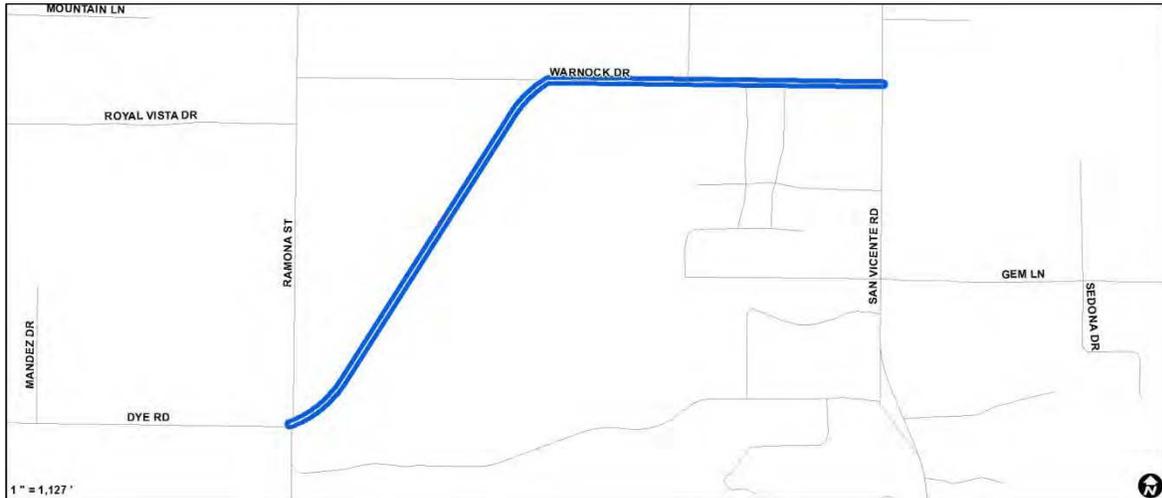
### RCPG

This project will construct a new road to extend Dye Road from Ramona Street to San Vicente Road. This project was requested by Community Planning Group.

Total Length	1.2 miles
Estimate Completion	Summer 2022
Planning Group	RCPG
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$16,520,000
Funding/Funding Status	TransNet / Partially Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$10,000	\$10,000	\$10,000	\$11,000	\$11,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$10,000	\$10,000	\$10,000	\$11,000	\$11,000

1172 F-3 thru G-3



<b>Legend</b>	
Project Limits	<span style="border: 2px solid blue; display: inline-block; width: 15px; height: 10px;"></span>

Road Reconstruction



## RAMONA STREET EXTENSION

### RCPG

This project will construct a new road to extend Ramona Street from Warnock Drive to Boundary Avenue. This project was requested by the Community Planning Group.

Total Length	1,700 feet
Estimate Completion	Summer 2021
Planning Group	RCPG
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$6,500,000
Funding/Funding Status	TransNet / Partially Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$12,000	\$13,000	\$14,000	\$14,000	\$14,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$12,000	\$13,000	\$14,000	\$14,000	\$14,000

1172 F-2 thru F-3



**Legend**

Project Limits

Road Reconstruction



## ALPINE BLVD ROAD WIDENING AT ARNOLD WAY

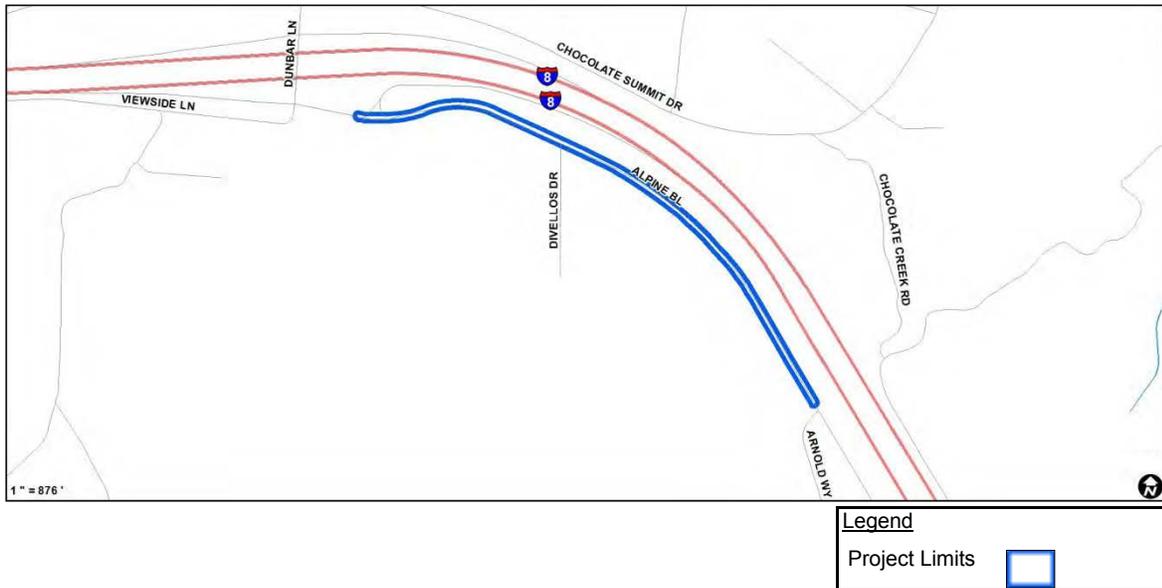
### Alpine

This project proposes to upgrade road to a four-lane major road with intermittent turn lane from the existing two-lane road with partial continuous turn lane. Project limits are 3,500 ft. east of Arnold Way. This project is included in TIF Plan.

Total Length	0.7 miles
Estimate Completion	TBD
Planning Group	Alpine
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$4,770,000
Funding/Funding Status	TIF/TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1233 E-3 thru F4



Road Reconstruction



## COOL VALLEY ROAD, SOUTH NEW ROAD

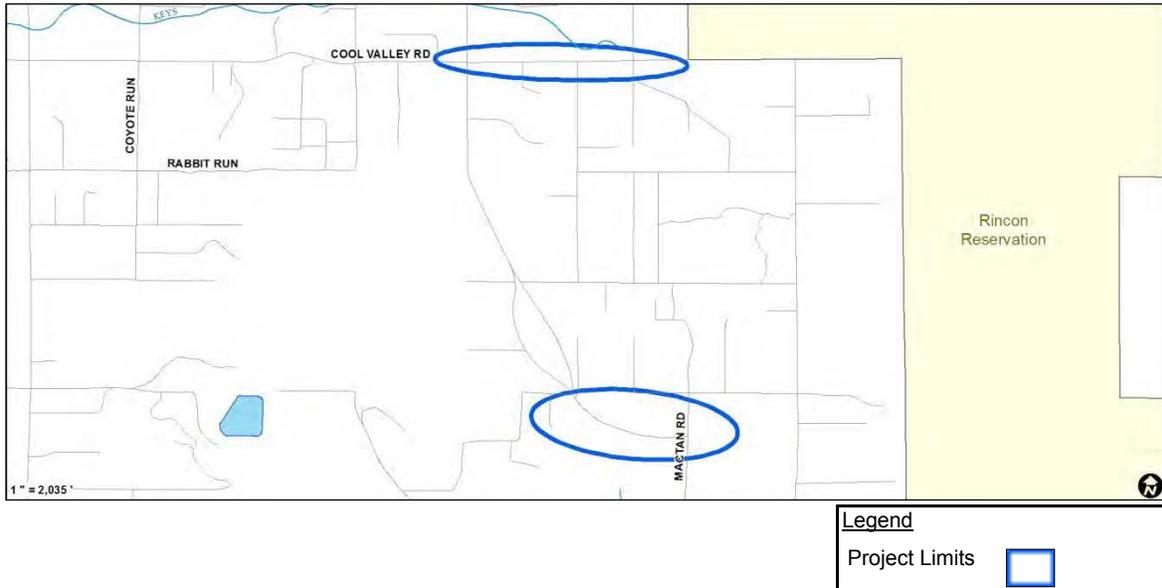
### Valley Center

This project will construct a new road from the Cool Valley Road Area to the Mac Tan Road area. This project was requested by Community Planning Group.

Total Length	TBD
Estimate Completion	TBD
Planning Group	Valley Center
Project Manager	Chris Hanger
District	5
Estimated Project Cost	TBD
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1120 J-3 thru 1121 A-5



Road Reconstruction



## DEER SPRINGS ROAD WIDENING

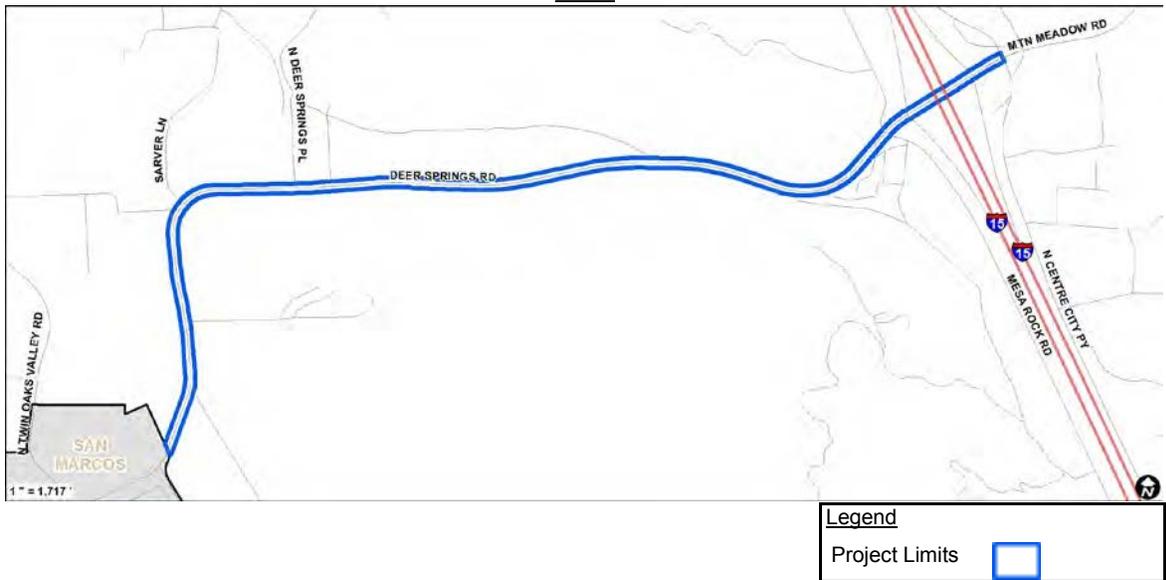
### Twin Oaks

This project is for the widening of Deer Springs Rd from Mulberry Dr (San Marcos City Limits) to Champagne Blvd approximately 2.2 miles from Champagne Blvd/North Center City Pkwy to County/City of San Marcos jurisdictional line. This project requested by Private Developer.

Total Length	2.2 miles
Estimate Completion	TBD
Planning Group	Twin Oaks
Project Manager	Nael Areigat
District	5
Estimated Project Cost	TBD
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1089



Road Reconstruction



## EAST VISTA WAY ROAD WIDENING

### Bonsall

This project involves widening of East Vista Way from Mission Ave. to Gopher Canyon Rd. This project is included in the County Transportation Impact Fee (TIF) Plan.

Total Length	2 miles
Estimate Completion	TBD
Planning Group	Bonsall
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$7,500,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1067 H-5 thru 1088 A-1



Road Reconstruction



## EMERY ROAD CURVE

### Tecate

This project will realign a horizontal curve on Emery Road, 1.7 miles south of State Route 94. This project was requested by Community Planning Group.

Total Length	375 feet
Estimate Completion	TBD
Planning Group	Tecate
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$2,500,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

429 L-10



Road Reconstruction



## HARMONY GROVE ROAD IMPROVEMENTS

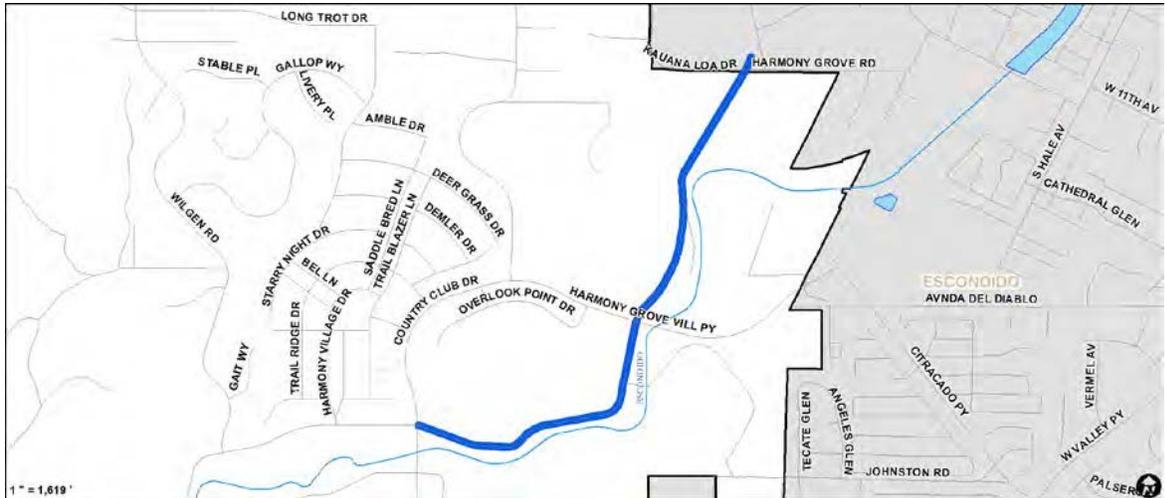
### NA

This project proposes to upgrade existing road from 2-lane Light Collector to 2-lane Light Collector with continuous turn lanes. Project limits are from Country Club Dr to Citracado Pkwy for an approximate 5,600 feet of improvements. This project is included in TIF Plan.

Total Length	1.08 miles
Estimate Completion	TBD
Planning Group	NA
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$4,390,000
Funding/Funding Status	TIF/TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1129-C6 thru D4



**Legend**

Project Limits

Road Reconstruction



## JEFFERSON ROAD WIDENING

### Jamul/Dulzura

This project proposes to upgrade the road to a two-lane Light Collector with raised median from the existing two-lane road. Project limits are from Lyons Valley Rd to Campo Rd. This project is included in TIF Plan.

Total Length	0.4 miles
Estimate Completion	TBD
Planning Group	Jamul/Dulzura
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$1,720,000
Funding/Funding Status	TIF/TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1293-H1



Road Reconstruction



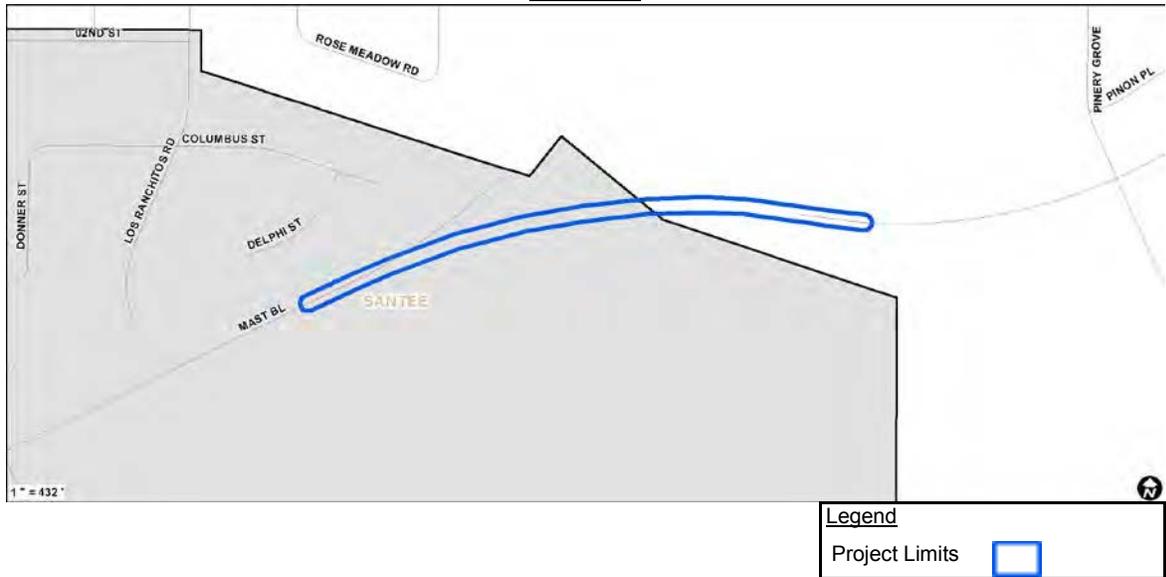
## MAST BOULEVARD EXTENSION Lakeside

This project will complete a missing portion of Mast Boulevard between the City of Santee and the unincorporated County. Approximately 1000 feet are in the City of Santee. This project is included in the County General Plan.

Total Length	1,500 feet
Estimate Completion	TBD
Planning Group	Lakeside
Project Manager	Mark Perrett
District	2
Estimated Project Cost	\$4,200,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1231 G-4



Road Reconstruction



## OLD HWY 80 ROAD IMPROVEMENTS AT DUNBAR LANE

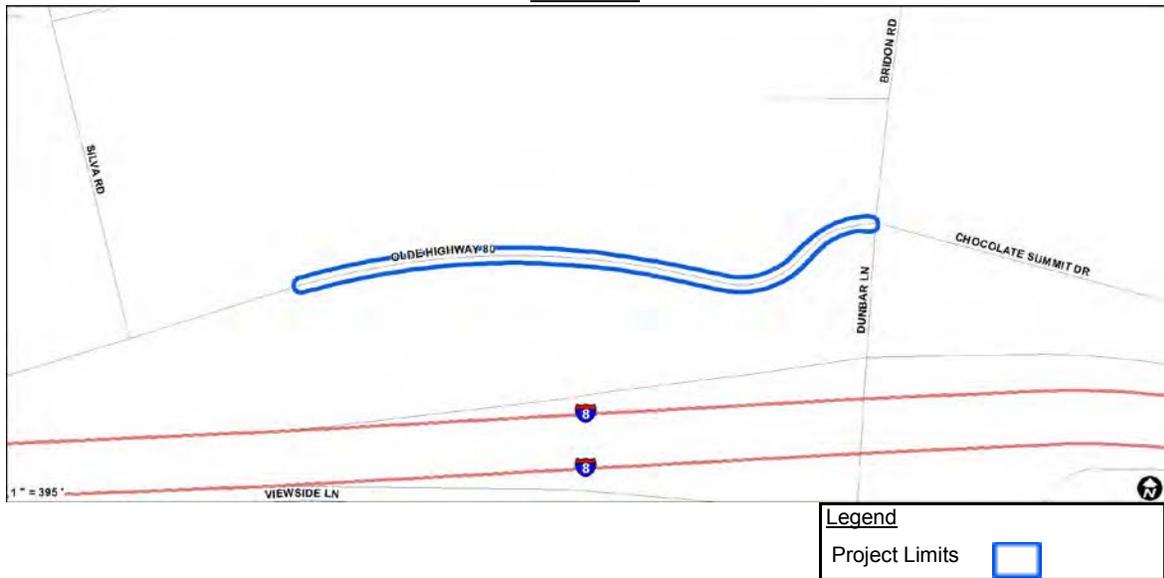
### Alpine

This project proposes to upgrade road to a two-lane Light Collector with continuous turn lane from the existing two-lane road. Project limits are 1,400 ft. west of Dunbar Lane to Dunbar Lane. This project is included in TIF Plan.

Total Length	0.3 miles
Estimate Completion	TBD
Planning Group	Alpine
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$1,090,000
Funding/Funding Status	TIF/TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1233 D-3



Road Reconstruction



## OLD HWY 80 ROAD IMPROVEMENTS FROM MARINA SPRINGS LN TO DUNBAR LN

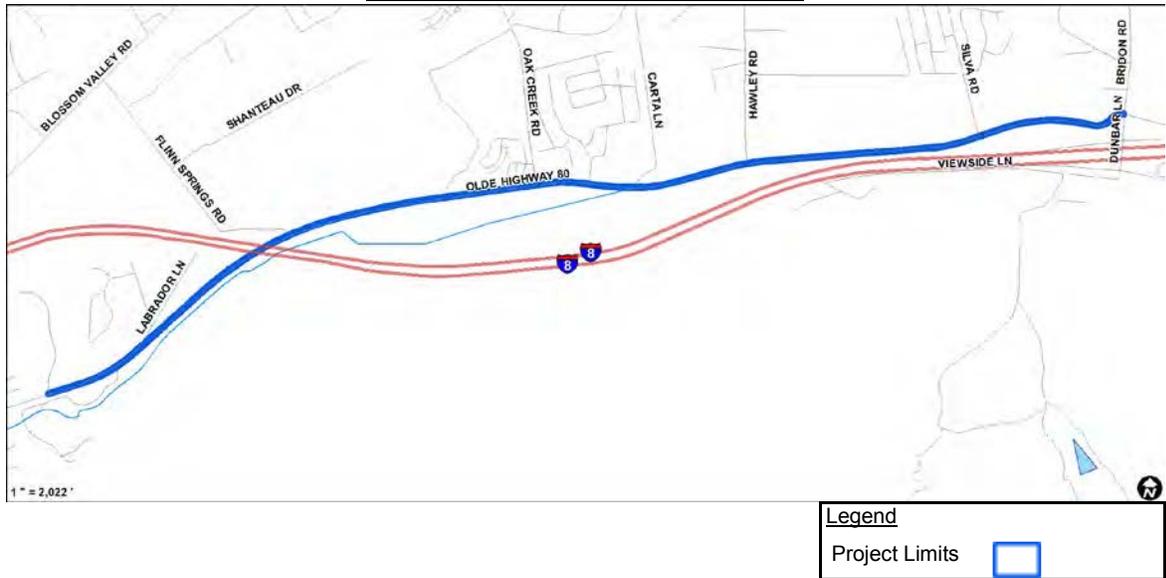
### Lakeside

This project proposes to upgrade a two-lane road to two-lanes with a continuous left turn lane. Project limits are from Marina Springs Lane to Dunbar Lane. This project is included in TIF Plan.

Total Length	2.6 miles
Estimate Completion	TBD
Planning Group	Lakeside
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$9,660,000
Funding/Funding Status	TIF/TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1232-J4; 1233 A-4, A-3, B-3, C-3 D-3



Road Reconstruction



## OLIVE VISTA DRIVE EXTENSION

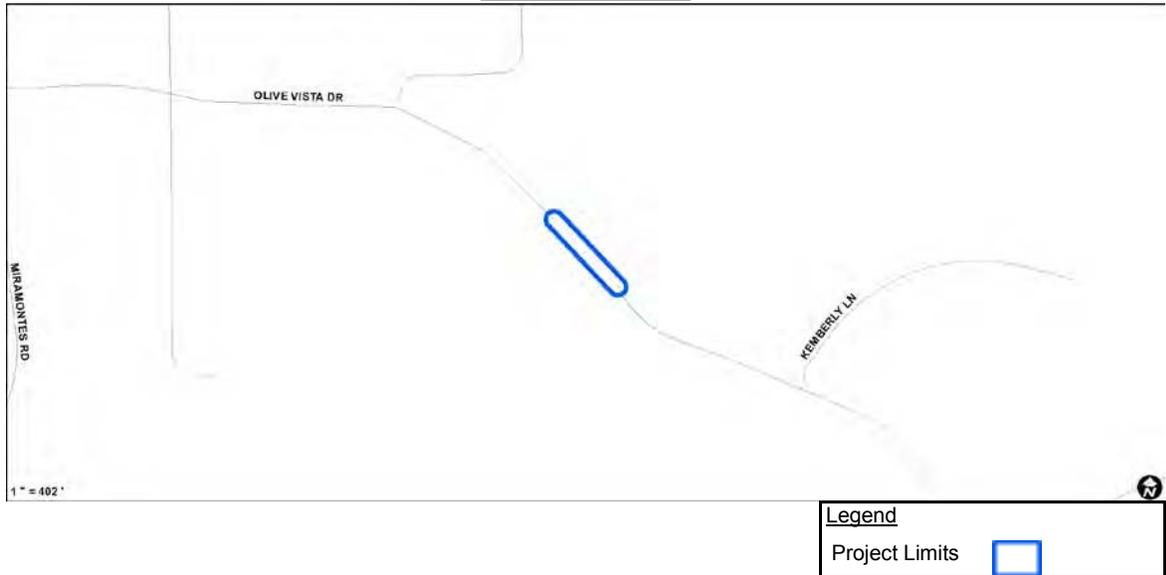
### Jamul/Dulzura

This project will construct a new road, extending Olive Vista Drive from Heide Lane to Jamul Highlands Road. This project was requested by the Community Planning Group.

Total Length	1 mile
Estimate Completion	TBD
Planning Group	Jamul/Dulzura
Project Manager	Chris Hanger
District	2
Estimated Project Cost	TBD
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1293 A-1 thru B-1



Road Reconstruction



## OSBORNE ST ROAD IMPROVEMENTS

### Bonsall

This project proposes to upgrade the road from existing 2-lane Road 2- lane Community Collector to 2-lane Community Collector with raised median. The project limits are from E Vista Way to 1.5 miles east of the intersection of Osborne St and E Vista Way.

Total Length	1.48 miles
Estimate Completion	TBD
Planning Group	Bonsall
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$6,540,000
Funding/Funding Status	TIF/TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1087-G1



Road Reconstruction



## RICE CANYON ROAD CURVE IMPROVEMENT

### Rainbow

This project will improve a curve on Rice Canyon Road, located approximately 0.9 mile south of 8th Street. This project was requested by DPW Traffic Section.

Total Length	1,000 feet
Estimate Completion	Fall 2022
Planning Group	Rainbow
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$4,048,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

998 J-7



Road Reconstruction



## SAN VICENTE ROAD IMPROVEMENTS PHASE II

### Ramona

This project will widen, construct bike lanes, and construct a pathway on the south side of San Vicente Road 1,000 feet easterly of Wildcat Canyon Road. This project was requested by Community Planning Group.

Total Length                    4,000 feet  
 Estimate Completion            TBD  
 Planning Group                  Ramona  
 Project Manager                 Richard Pettie  
 District                             2  
 Estimated Project Cost         TBD  
 Funding/Funding Status        TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1173 A-5 thru D-4



Road Reconstruction



## SOUTH SANTA FE AVE SOUTH

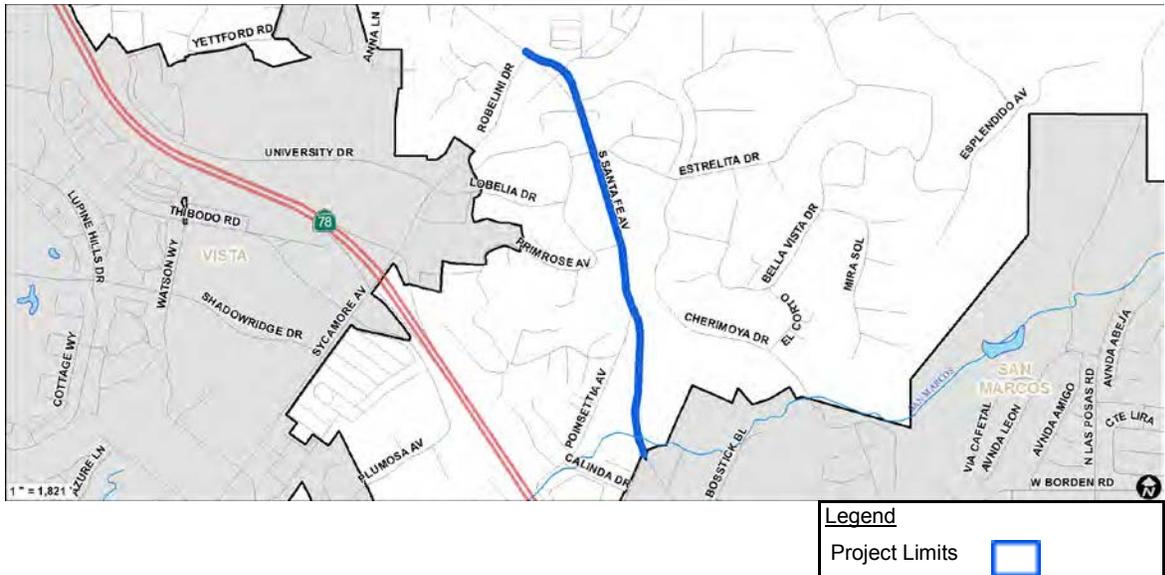
### North County Metro

This project will reconstruct South Santa Fe to a four-lane road with median and bike lanes. Approximately 670 feet northwest of Robelini Dr to Smilax Rd. Included are improvements to Robelini Dr, Agua Hedionda Creek and railroad crossing at Buena Creek Rd. Project requested by Vista Chamber of Commerce.

Total Length	1.2 miles
Estimate Completion	TBD
Planning Group	North County Metro
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$70,000,000
Funding/Funding Status	TransNet, Gas Tax and TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1113 B-2 thru C-4



Road Reconstruction



## STAGE COACH LANE WIDENING

### Fallbrook

This project will widen Stage Coach Lane from S Mission Road to Reche Road. This project was requested by Community Planning Group.

Total Length	1.33 miles
Estimate Completion	TBD
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$5,290,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1027 G-7 thru J-4



Legend
Project Limits <span style="display: inline-block; width: 15px; height: 10px; border: 2px solid blue; vertical-align: middle;"></span>

Road Reconstruction



## VALLEY CENTER ROAD S-CURVE WIDENING

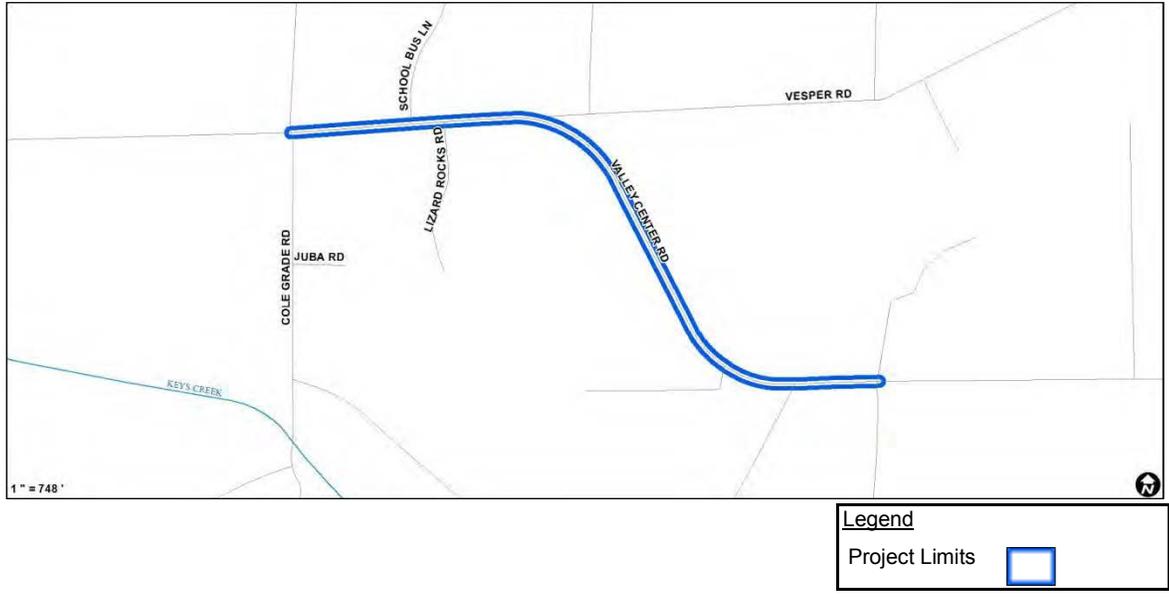
### Valley Center

This Project widens Valley Center Road from two lanes to four lanes from Cole Grade Road to 3/4-mile east of Cole Grade Rd., including realignment of Vesper Road. This project was requested by the Community Planning Group.

Total Length	2.9 miles
Estimate Completion	TBD
Planning Group	Valley Center
Project Manager	Richard Pettie
District	5
Estimated Project Cost	\$12,400,000
Funding/Funding Status	Tribal Grant / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1090 F1 - J2 & 1091 A2 - C2



Road Reconstruction



## 11. Bike Lanes/Pathways



Bike Lanes/Pathways



## WINTER GARDENS BLVD SIDEWALKS AND BIKE LANES IMPROVEMENTS

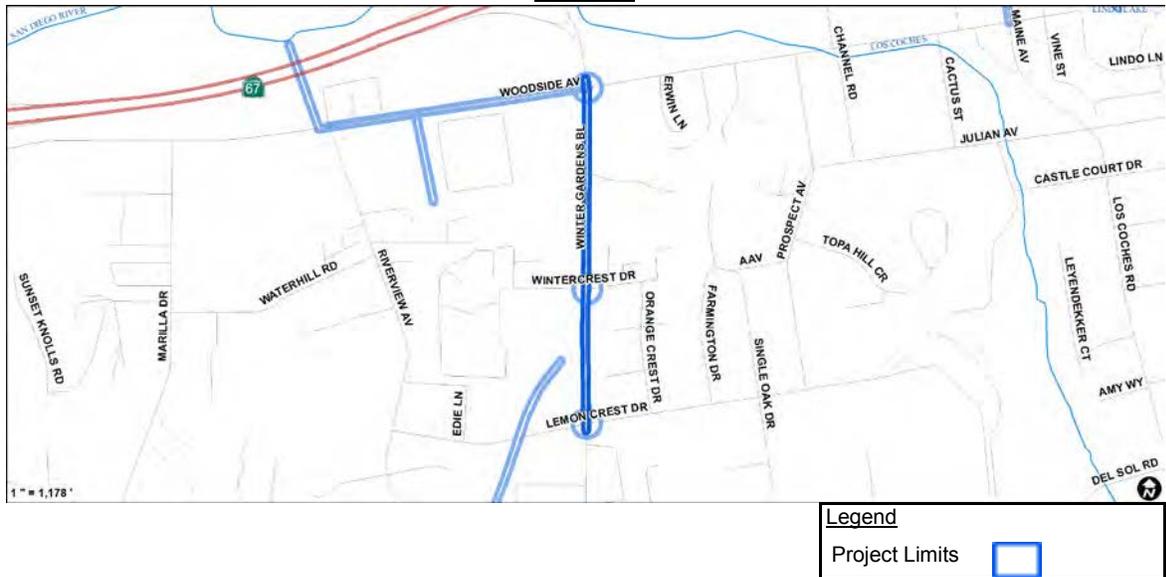
### Lakeside

This project will construct sidewalk, curb, gutter, curb ramps, driveways, bike lanes, striping, pavement markings, from Lemon Crest Dr to Woodside Ave. Traffic signal modification at Winter Gardens Blvd and Woodside Ave. This project was requested by Community Planning Group.

Total Length                    2300 feet  
 Estimate Completion         Summer 2020  
 Planning Group                 Lakeside  
 Project Manager                Richard Pettie  
 District                             2  
 Estimated Project Cost        \$741,000  
 Funding/Funding Status      HSIP Grant / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$101,200	\$0	\$0	\$0	\$0
Right-of-Way	\$40,440	\$100,000	\$33,560	\$0	\$0
Construction	\$0	\$0	\$0	\$465,800	\$0
<b>Totals</b>	<b>\$141,640</b>	<b>\$100,000</b>	<b>\$33,560</b>	<b>\$465,800</b>	<b>\$0</b>

1232-A5



Bike Lanes / Pathways



## CHANNEL RD TRAIL

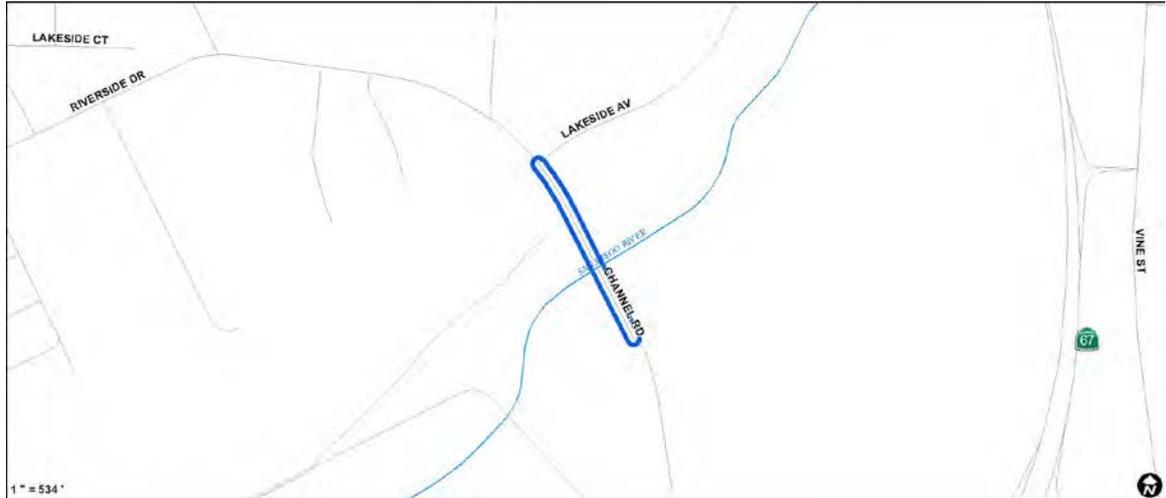
### Lakeside

This project will construct an equestrian trail under the Channel Road bridge, across the San Diego River. This project was requested by Community Planning Group.

Total Length	TBD
Estimate Completion	TBD
Planning Group	Lakeside
Project Manager	Richard Pettie
District	2
Estimated Project Cost	TBD
Funding/Funding Status	TransNet / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1232 A-2



<b>Legend</b>	
Project Limits	<span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Bike Lanes / Pathways



## FLINN SPRINGS ROAD PATHWAY

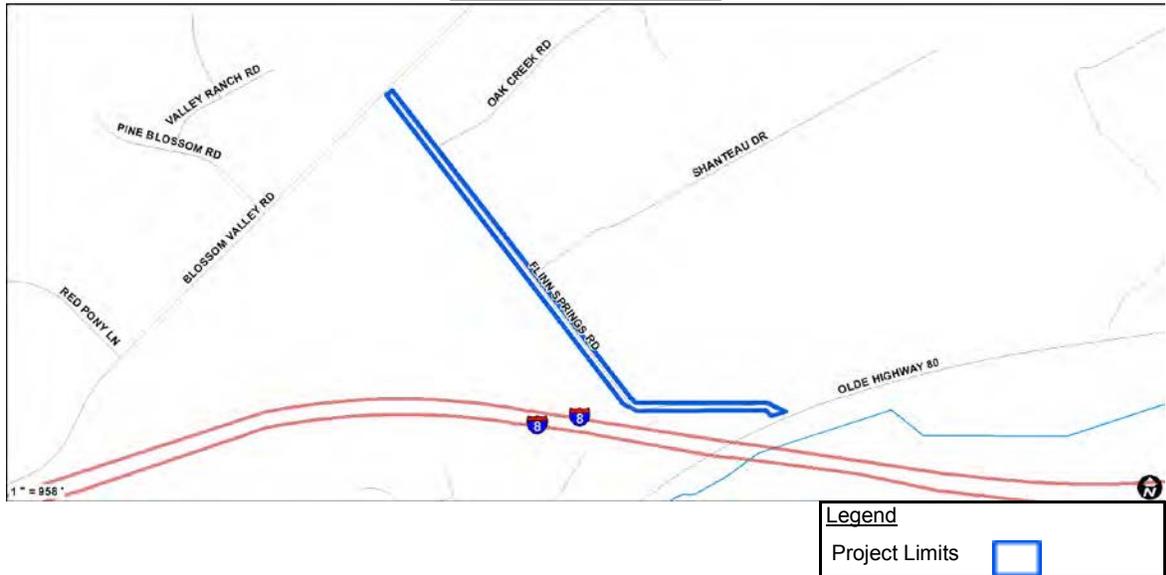
### Lakeside

This project will construct a pathway on Flinn Springs Road from Blossom Valley Road to Old Highway 80. This project was requested by Community Planning Group.

Total Length	3,200 feet
Estimate Completion	TBD
Planning Group	Lakeside
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$1,327,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1232 J-3 thru 1233 A-4



Bike Lanes / Pathways



## TAVERN ROAD BIKE LANES AND PATHWAY

### Alpine

This project will construct a pathway on the east side of Tavern Road and bike lanes, on both sides of Tavern Road, between Roble Grande Road and Arnold Way. This project was requested by Community Planning Group.

Total Length	1,900 feet
Estimate Completion	TBD
Planning Group	Alpine
Project Manager	Richard Pettie
District	2
Estimated Project Cost	TBD
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1234 A- 6 and A-7



Bike Lanes / Pathways



## 12. Traffic Signals



Traffic Signals



## CALLE VERDE AND FURY LANE

### Valle De Oro

This project will install a traffic signal at the intersection of Calle Verde and Fury Lane. This project was requested DPW Traffic Division.

Total Length	600 feet
Estimate Completion	TBD
Planning Group	Valle De Oro
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$755,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1271 G-4



**Legend**

Project Limits

Traffic Signals



## MISSION ROAD AND SANTA MARGARITA

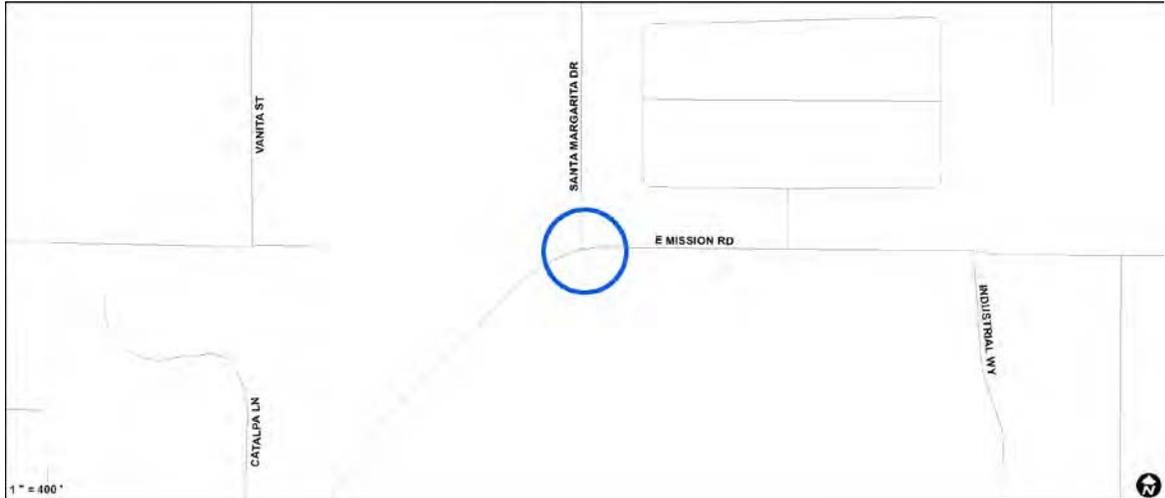
### Fallbrook

This project will install a traffic signal at the intersection of Mission Road and Santa Margarita Road. This project was requested by Community Planning Group.

Total Length	600 feet
Estimate Completion	TBD
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	2
Estimated Project Cost	\$800,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1027 F-5



<b>Legend</b>	
Project Limits	<span style="border: 1px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Traffic Signals



## SOUTH MISSION RD AND PEPPER TREE LANE TRAFFIC SIGNAL

### Fallbrook

This project will install a traffic signal at the intersection of S. Mission Road and Pepper Tree Lane. This project was requested by Community Planning Group.

Total Length	600 feet
Estimate Completion	TBD
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	2
Estimated Project Cost	\$755,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1027 F-5



Legend	
Project Limits	

Traffic Signals



## 13. Intersection Improvements





## DEHESA ROAD/HARBISION CANYON INTERSECTION

### Crest-Dehesa

This project will modify the intersection of Dehesa Road at Harbison Canyon to provide additional intersection capacity. This project was requested by the Community Planning Group.

Total Length	Intersection
Estimate Completion	Spring 2018
Planning Group	Crest-Dehesa
Project Manager	Richard Pettie
District	2
Estimated Project Cost	\$1,525,000
Funding/Funding Status	Tribal Grant / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$250,000	\$0	\$0	\$0	\$0
Right-of-Way	\$15,000	\$0	\$0	\$0	\$0
Construction	\$0	\$1,040,000	\$0	\$0	\$0
<b>Totals</b>	<b>\$265,000</b>	<b>\$1,040,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1253 B5



Intersection Improvements



## EAST VISTA WAY/GOPHER CANYON INTERSECTION

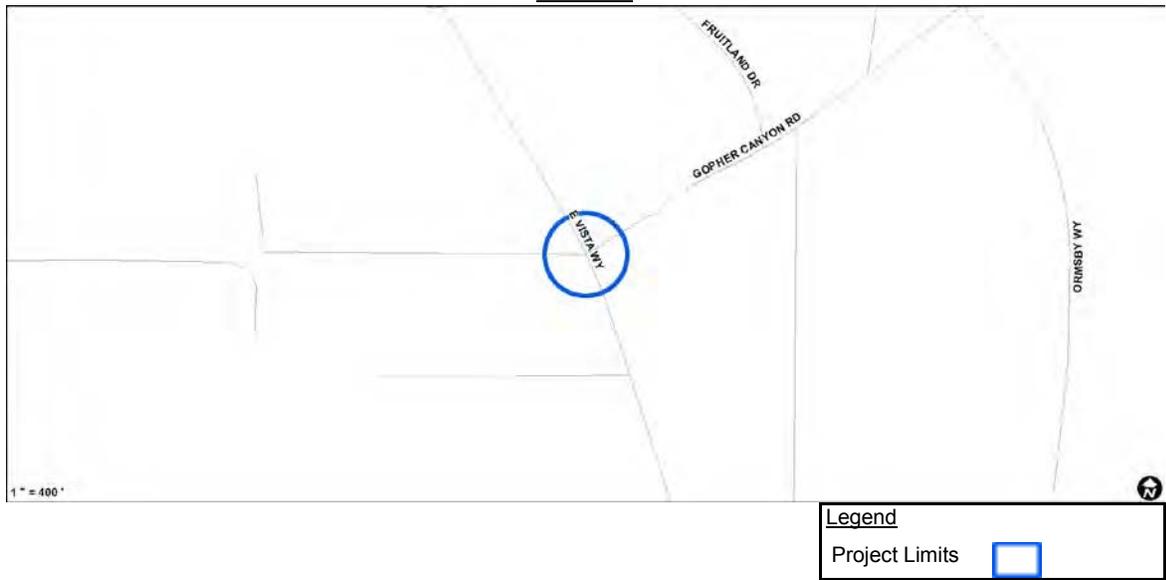
### Bonsall

The project includes adding deceleration and acceleration lanes along E. Vista Way and left and right turn lanes along Gopher Canyon Road. This project was requested by Community Planning Group.

Total Length	900 feet
Estimate Completion	Spring 2017
Planning Group	Bonsall
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$1,540,000
Funding/Funding Status	TIF, TransNet and Developer Deposits / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$285,000	\$250,000	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$800,000	\$0	\$0	\$0	\$0
Totals	\$1,085,000	\$250,000	\$0	\$0	\$0

1067-J7



Intersection Improvements



## FUERTE DR AND ALZEDA DR INTERSECTION

### Valle De Oro

This project will follow existing alignment of Fuerte Dr and realign road vertically to improve stopping sight distance. Project will realign Alzada Dr horizontally and vertically. This project was requested by DPW Traffic Section.

Total Length	900 feet
Estimate Completion	Winter 2017
Planning Group	Valle De Oro
Project Manager	Nael Areigat
District	2
Estimated Project Cost	\$2,169,000
Funding/Funding Status	Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$193,000	\$260,000	\$0	\$0	\$0
Right-of-Way	\$290,000	\$0	\$0	\$0	\$0
Construction	\$100,000	\$1,300,000	\$0	\$0	\$0
Totals	\$583,000	\$1,560,000	\$0	\$0	\$0

1271-F2



Intersection Improvements



## STAGE COACH LN/RECHE ROAD INTERSECTION IMPROVEMENTS

### Fallbrook

This project will construct improvements at the intersection of Stage Coach Lane and Reche Road to. This project was requested by Community Planning Group.

Total Length	NA
Estimate Completion	Winter 2017
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$1,699,000
Funding/Funding Status	TransNet and TIF/ Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$210,000	\$200,000	\$0	\$0	\$0
Right-of-Way	\$210,000	\$0	\$0	\$0	\$0
Construction	\$600,000	\$600,000	\$0	\$0	\$0
Totals	\$1,020,000	\$800,000	\$0	\$0	\$0

1027 J-4



<b>Legend</b>	
Project Limits	<span style="border: 1px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Intersection Improvements



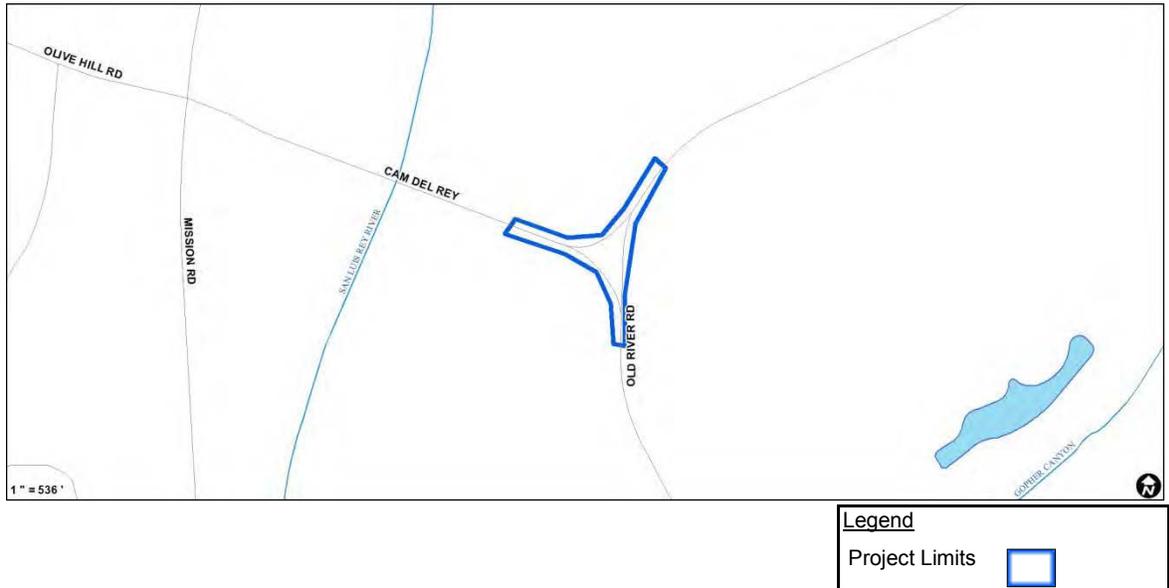
**CAMINO DEL REY/OLD RIVER ROAD**  
**Bonsall**

This project will realign Camino Del Rey and Old River Road from a "Y" to a "T" intersection. This project was by DPW Traffic Section.

Total Length                      1,450 feet  
 Estimate Completion              TBD  
 Planning Group                      Bonsall  
 Project Manager                    Nael Areigat  
 District                                5  
 Estimated Project Cost            \$6,100,000  
 Funding/Funding Status         TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1068 A-1



Intersection Improvements



## INTERSECTION IMPROVEMENTS AT CALAVO RD, BROOK RD AND STAGE COACH LN

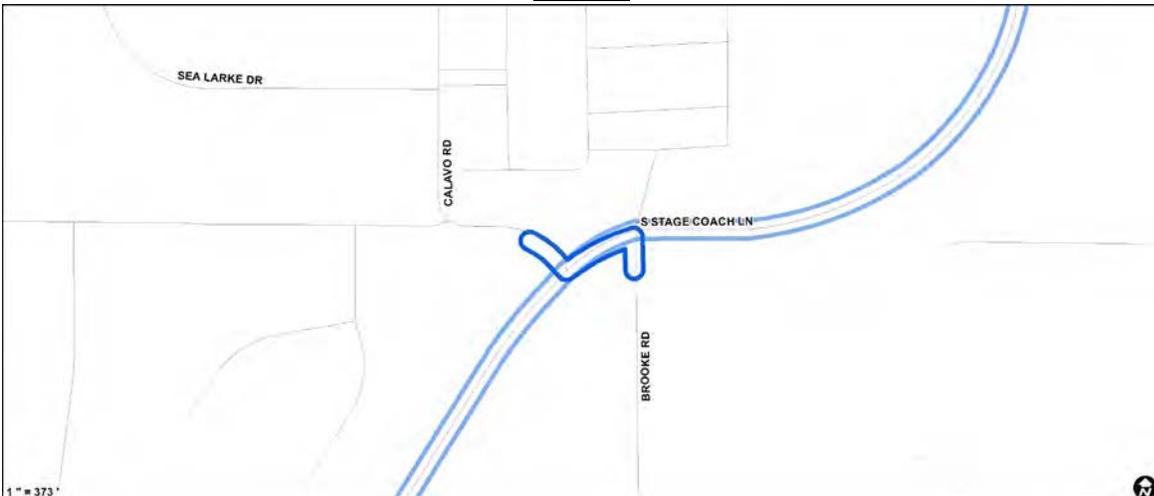
### Fallbrook

This project will construct traffic signal and other intersection improvements at Calavo Rd, Brook Rd and Stage Coach Lane. This project was requested by Community Planning Group.

Total Length	NA
Estimate Completion	Summer 2017
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	TBD
Funding/Funding Status	Gas Tax / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1027-J6



**Legend**

Project Limits

Intersection Improvements



## MISSION ROAD/RANGER ROAD INTERSECTION IMPROVEMENTS

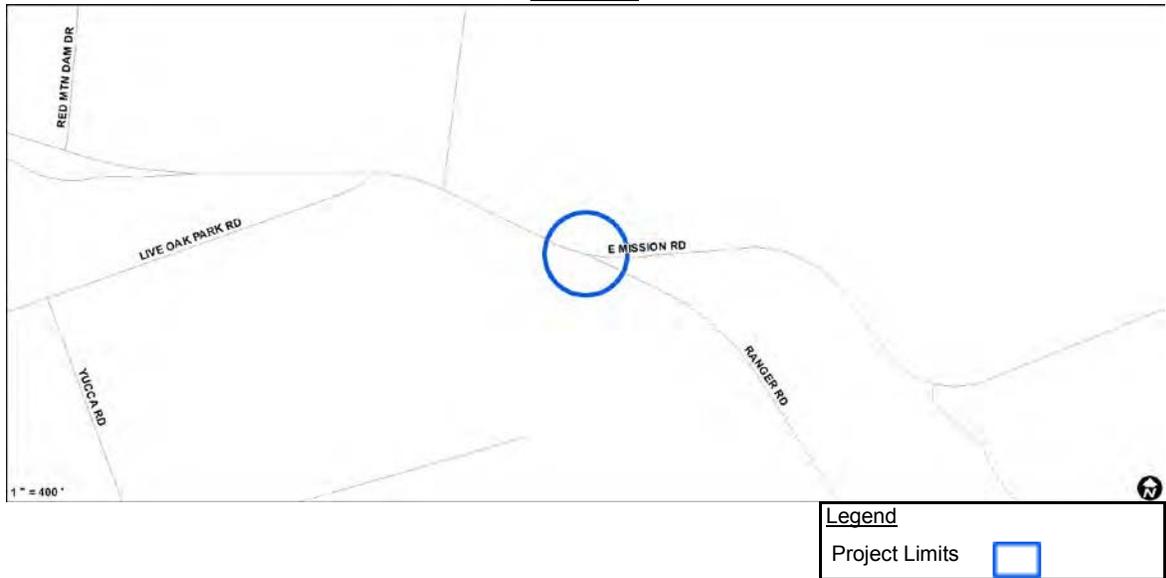
### Fallbrook

This project will modify the intersection of Mission Road and Ranger Road to increase capacity. This project was requested by Community Planning Group.

Total Length	NA
Estimate Completion	TBD
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$1,460,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1028 E-1



Intersection Improvements



## RANCHO SANTA FE ROUNDABOUTS

### San Dieguito

This project will construct three roundabouts at the intersections of Via De La Valle/Paseo Delicias, El Montevideo/Paseo Delicias/La Valle Plateada, and El Camino Del Norte/Del Dios Highway. This project was requested by Community Planning Group.

Total Length	1.75 miles
Estimate Completion	Summer 2020
Planning Group	San Dieguito
Project Manager	Chris Hanger
District	5
Estimated Project Cost	\$7,000,000
Funding/Funding Status	Gas Tax, Developers and Federal Funds / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1168 E-3, F-1, F-2



Intersection Improvements



## STANLEY AVENUE/ASH STREET INTERSECTION IMPROVEMENTS

### Hidden Meadows

This project will modify the intersection of Stanley Avenue and Ash Street to provide additional lanes as required. Traffic control may also be included. This project was requested by Community Planning Group.

Total Length                    NA  
 Estimate Completion        TBD  
 Planning Group                Hidden Meadows  
 Project Manager              Nael Areigat  
 District                         5  
 Estimated Project Cost      TBD  
 Funding/Funding Status    TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1109 H-5



Intersection Improvements



## 14. Sidewalks





## ALLEN SCHOOL ROAD AT ALLEN SCHOOL LANE PEDESTRIAN RAMPS

### Sweetwater

This project will construct ADA compliant ramps at the intersection of Allen School Road and Allen School Lane, at Allen Elementary School.

Total Length	NA
Estimate Completion	Summer 2017
Planning Group	Sweetwater
Project Manager	Richard Pettie
District	1
Estimated Project Cost	\$181,000
Funding/Funding Status	CDBG / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$61,000	\$0	\$0	\$0	\$0
Right-of-Way	\$12,000	\$0	\$0	\$0	\$0
Construction	\$0	\$108,000	\$0	\$0	\$0
Totals	\$73,000	\$108,000	\$0	\$0	\$0

1310-G3



<b>Legend</b>	
Project Limits	

Sidewalks



## FELICITA ROAD AT VIA RANCHO PARKWAY PED RAMPS

### North County Metro

This project will construct Pedestrian Ramps and associated improvements (6 ped ramps) at the intersection of Felicita Road and Via Rancho Parkway. This project was requested by Community Planning Group.

Total Length	6 miles
Estimate Completion	Summer 2017
Planning Group	North County Metro
Project Manager	Nael Areigat
District	3
Estimated Project Cost	\$370,000
Funding/Funding Status	CDBG / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$145,000	\$0	\$0	\$0	\$0
Right-of-Way	\$4,000	\$0	\$0	\$0	\$0
Construction	\$221,000	\$0	\$0	\$0	\$0
Totals	\$370,000	\$0	\$0	\$0	\$0

1149 J2



Sidewalks



## I-8 BUSINESS ROUTE SIDEWALK

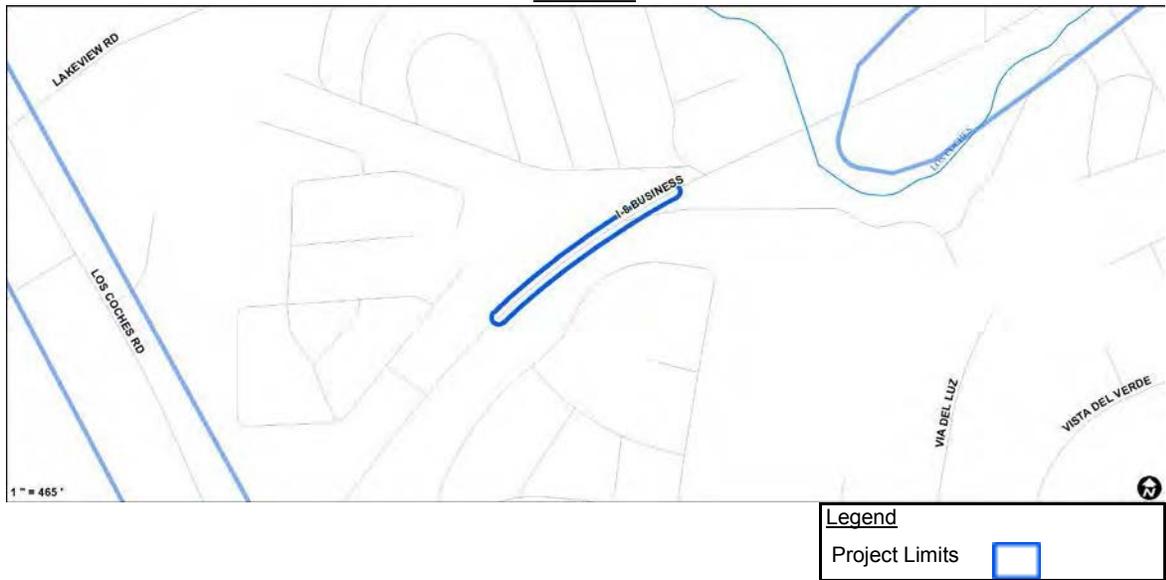
### Lakeside

This project will construct concrete sidewalk, including one concrete driveway, and two ADA compliant curb ramps on I-8 Business Route. This project was requested by Community Planning Group.

Total Length                    250 feet  
 Estimate Completion         Summer 2017  
 Planning Group                 Lakeside  
 Project Manager                Richard Pettie  
 District                             2  
 Estimated Project Cost        \$220,000  
 Funding/Funding Status      CDBG / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$77,000	\$0	\$0	\$0	\$0
Right-of-Way	\$1,000	\$0	\$0	\$0	\$0
Construction	\$0	\$142,000	\$0	\$0	\$0
Totals	\$78,000	\$142,000	\$0	\$0	\$0

1232-D6



Sidewalks



## AMMUNITION ROAD SIDEWALKS IMPROVEMENTS (MISSING SEGMENTS)

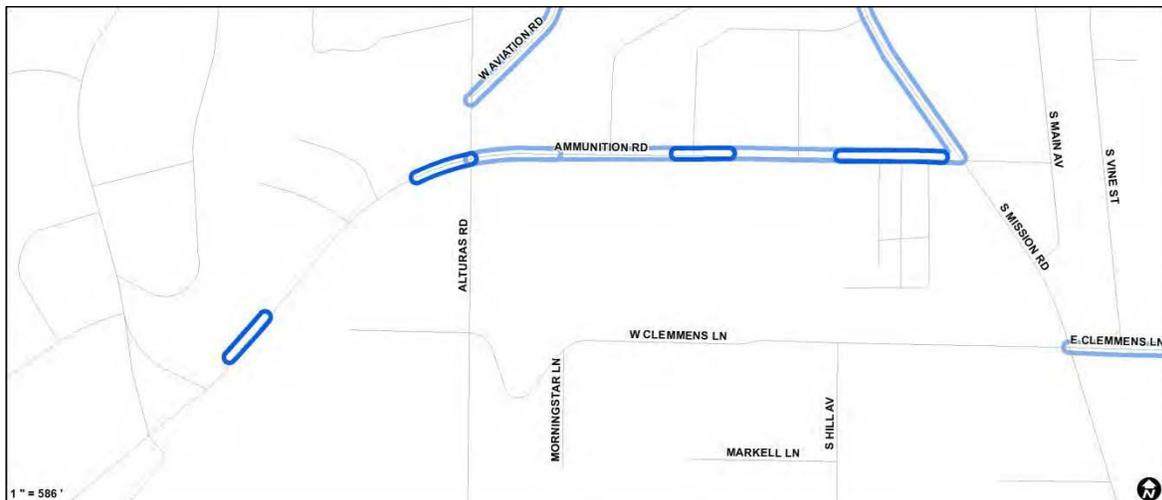
### Fallbrook

This project will construct curb, gutter, sidewalk and pedestrian ramps along the missing segments on the south side of Ammunition Road between Alturas Road and South Mission Road.

Total Length	650 feet
Estimate Completion	Summer 2018
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$676,500
Funding/Funding Status	CDBG / Partially Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$143,500	\$154,606	\$0	\$0	\$0
Right-of-Way	\$4,000	\$0	\$0	\$0	\$0
Construction	\$0	\$374,394	\$0	\$0	\$0
<b>Totals</b>	<b>\$147,500</b>	<b>\$529,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1027 E4-F4



**Legend**

Project Limits

Sidewalks



## ELDER STREET SIDEWALKS

### Fallbrook

This project will construct sidewalks on Elder Street between Main Avenue and Mission Road.  
 This project was requested by Community Planning Group.

Total Length	700 feet
Estimate Completion	TBD
Planning Group	Fallbrook
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$875,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1027 F-3 and G-3



<b>Legend</b>	
Project Limits	<span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Sidewalks



## 15. Drainage Improvements





## CAMINO DEL REY DRAINAGE IMPROVEMENTS

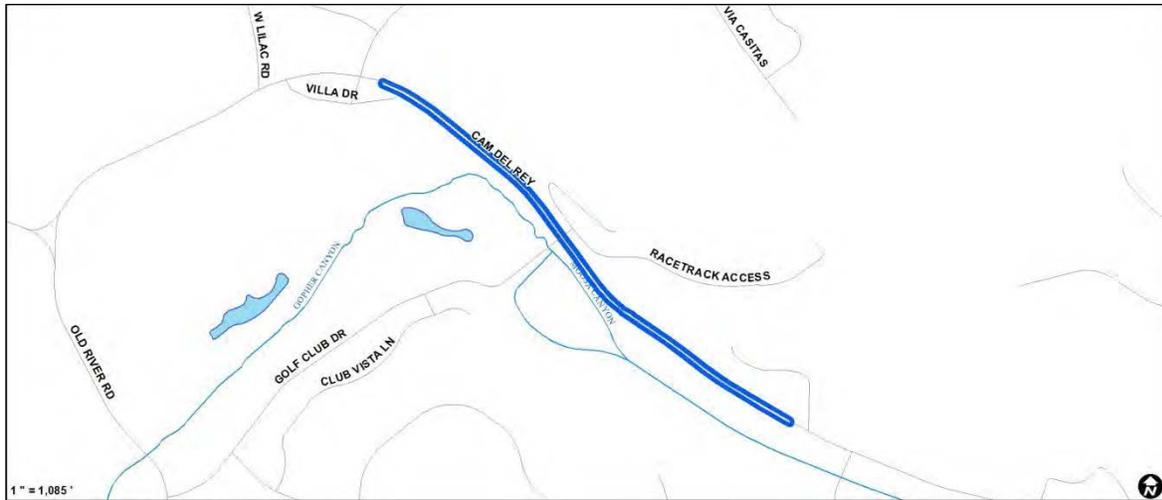
### Bonsall

This project will replace the existing 60-inch RCP culvert with a system capable of handling a 100-year storm event. This project was requested to improve safety. This project was requested by Flood Control Program.

Total Length                      3,500 feet  
 Estimate Completion              Summer 2021  
 Planning Group                      Bonsall  
 Project Manager                    Nael Areigat  
 District                                5  
 Estimated Project Cost            \$9,142,000  
 Funding/Funding                    Transnet / Funded  
 Status

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$640,000	\$499,000	\$1,060,000	\$0	\$0
Right-of-Way	\$230,000	\$450,000	\$500,000	\$0	\$0
Construction	\$0	\$0	\$0	\$4,240,000	\$1,080,000
<b>Totals</b>	<b>\$870,000</b>	<b>\$949,000</b>	<b>\$1,560,000</b>	<b>\$4,240,000</b>	<b>\$1,080,000</b>

1068 B-1



<b>Legend</b>	
Project Limits	<span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Drainage



## KEYS CREEK CHANNEL ACCESS

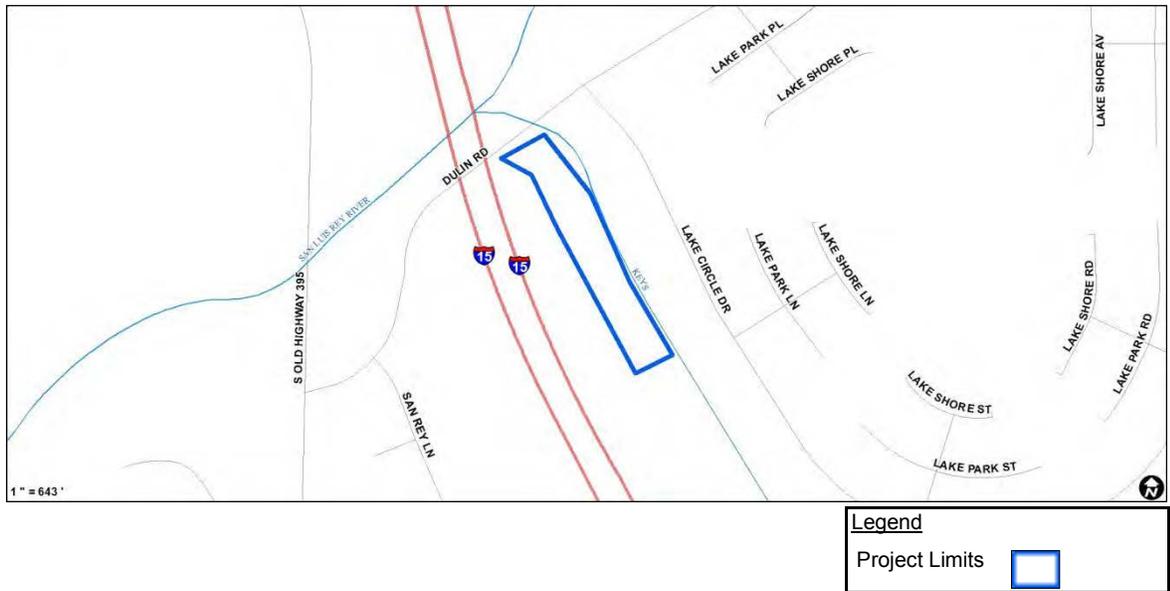
### Bonsall

This project constructs two ramps for access to Keys Creek Channel south of Duling Road. This project was requested by the Flood Control Program.

Total Length	200 feet
Estimate Completion	Fall 2016
Planning Group	Bonsall
Project Manager	Michael Khoury
District	5
Estimated Project Cost	\$330,000
Funding/Funding Status	Flood Control District / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$150,000	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$180,000	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1048 H-3



Drainage



## BONITA ROAD AT ACACIA AVENUE DRAINAGE

### Sweetwater

This project will construct drainage channel improvements to convey the 100-year storm from 150 feet south of Lamar Street to 100 feet northwest of Central Avenue. This project was requested by Flood Control Program.

Total Length	2,000 feet
Estimate Completion	TBD
Planning Group	Sweetwater
Project Manager	Nael Areigat
District	1
Estimated Project Cost	\$5,925,000
Funding/Funding Status	TBD / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1310 J-2



Legend

Project Limits

Drainage



## LEMON CREST DRAINAGE IMPROVEMENTS

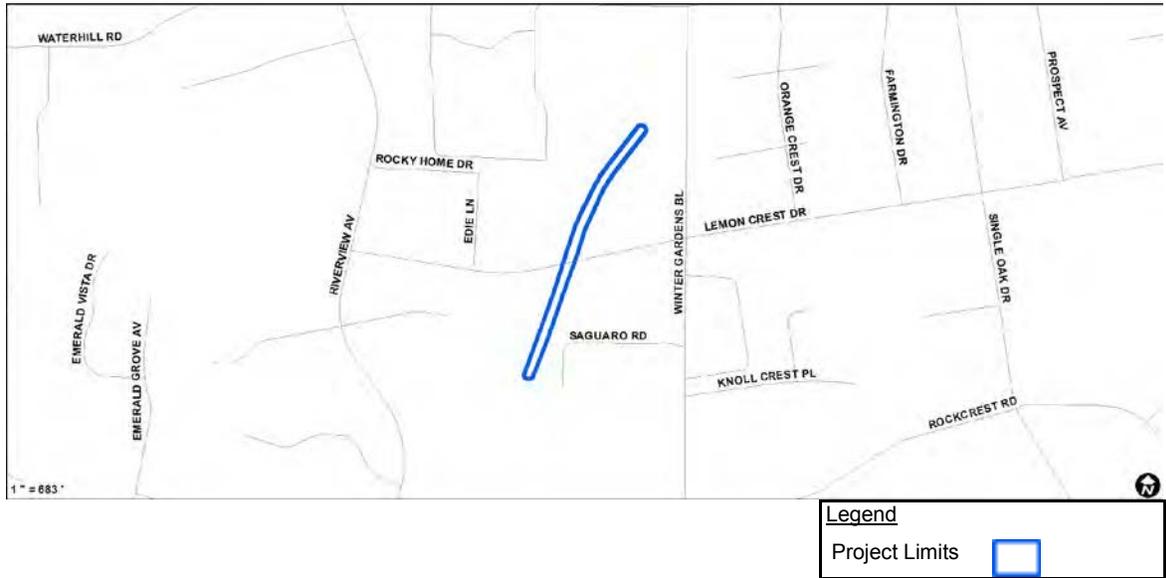
### Lakeside

This project will construct 600 feet of new drainage culvert on Lemon Crest Drive between Edie Lane and Winter Gardens Boulevard. This project was requested by Flood Control Program.

Total Length	600 feet
Estimate Completion	Spring 2020
Planning Group	Lakeside
Project Manager	Nael Areigat
District	2
Estimated Project Cost	\$8,000,000
Funding/Funding Status	Flood Control District and Gas Tax / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1231 J-5



Drainage



## ALISO CANYON RD DRAINAGE IMPROVEMENTS

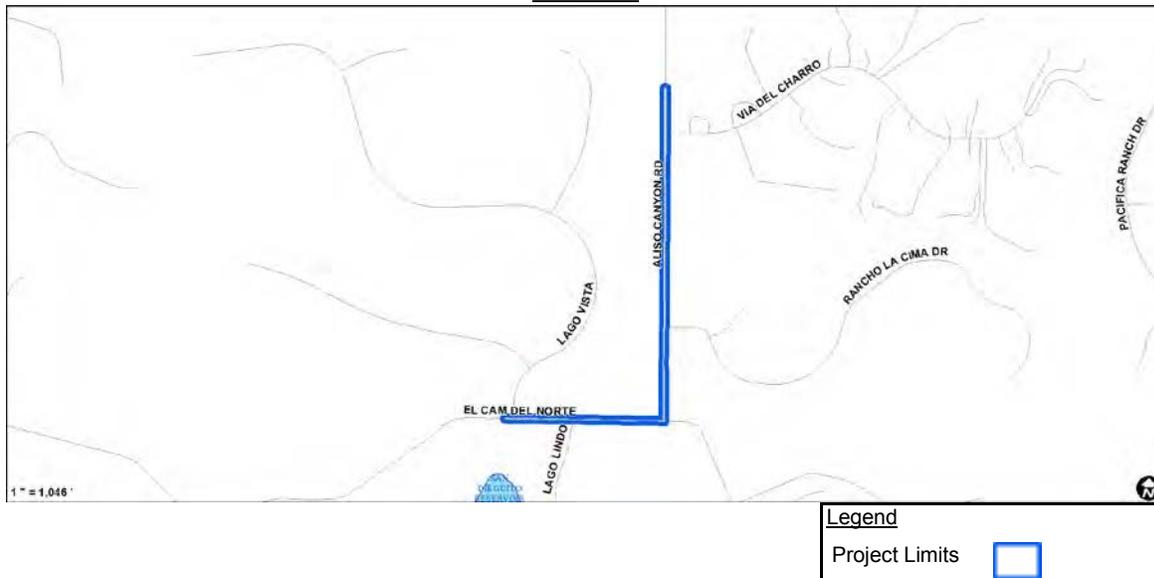
### San Dieguito

This project adds 2,100 feet of existing drainage culvert along Aliso Canyon Road. New drainage system along and across El Camino Del Norte. This project was requested by Flood Control Program.

Total Length	3,000 feet
Estimate Completion	Summer 2018
Planning Group	San Dieguito
Project Manager	Nael Areigat
District	2
Estimated Project Cost	\$10,000,000
Funding/Funding Status	Flood Control District and Gas Tax / Partially Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$250,000	\$0	\$0	\$0	\$0
Right-of-Way	\$15,000	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$265,000	\$0	\$0	\$0	\$0

1148 F-6



Drainage



## 16. Bridges





## 5TH STREET BRIDGE

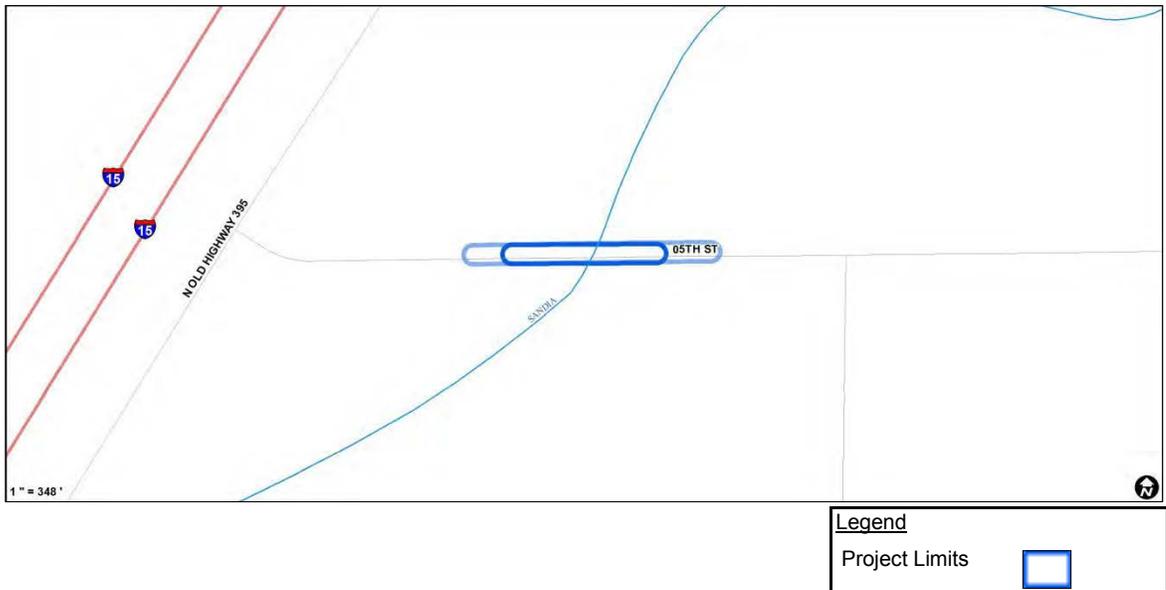
### Rainbow

This project replaces the existing low water crossing with a new bridge and with associated roadway improvements and channel grading. This project was requested to meet federal bridge requirements.

Total Length	800 feet
Estimate Completion	TBD
Planning Group	Rainbow
Project Manager	Nael Areigat
District	5
Estimated Project Cost	\$3,294,000
Funding/Funding Status	FHWA / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$267,000	\$214,000	\$133,000	\$323,000	\$0
Right-of-Way	\$0	\$75,000	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$1,500,000	\$0
Totals	\$267,000	\$289,000	\$133,000	\$1,823,000	\$0

998 H5



Bridge



## 13TH STREET BRIDGE

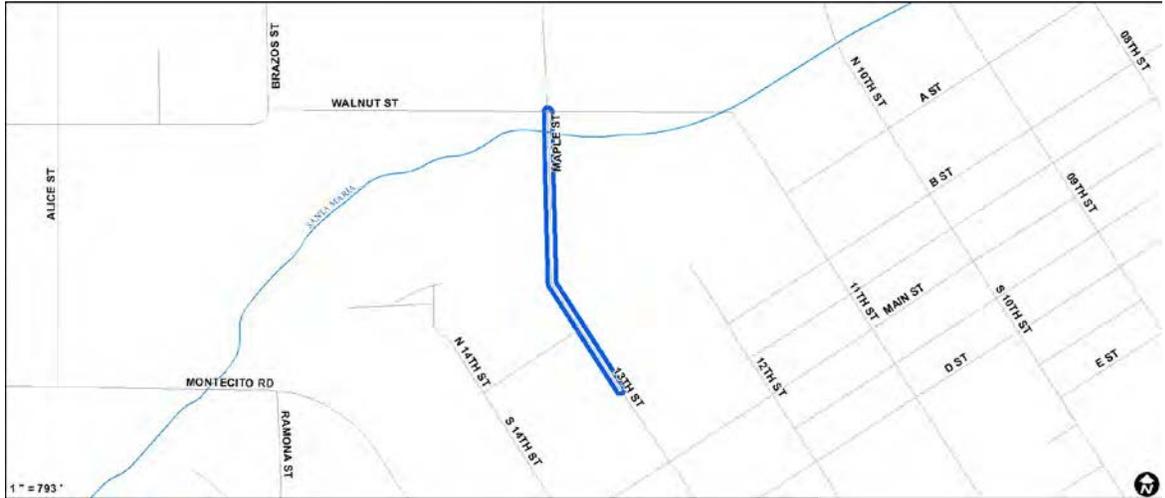
### Ramona

This project will construct a new bridge on 13th Street over the Santa Maria Creek. This project was requested to meet federal bridge safety requirements.

Total Length	1,340 feet
Estimate Completion	Summer 2020
Planning Group	Ramona
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$10,500,000
Funding/Funding Status	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$115,000	\$125,000	\$160,000	\$54,000	\$0
Right-of-Way	\$100,000	\$0	\$0	\$0	\$0
Construction	\$0	\$4,000	\$4,525,000	\$2,000,000	\$0
<b>Totals</b>	<b>\$215,000</b>	<b>\$129,000</b>	<b>\$4,685,000</b>	<b>\$2,054,000</b>	<b>\$0</b>

1152 F-6



<b>Legend</b>	
Project Limits	<span style="border: 1px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Bridge



## BUCKMAN SPRINGS ROAD BRIDGE

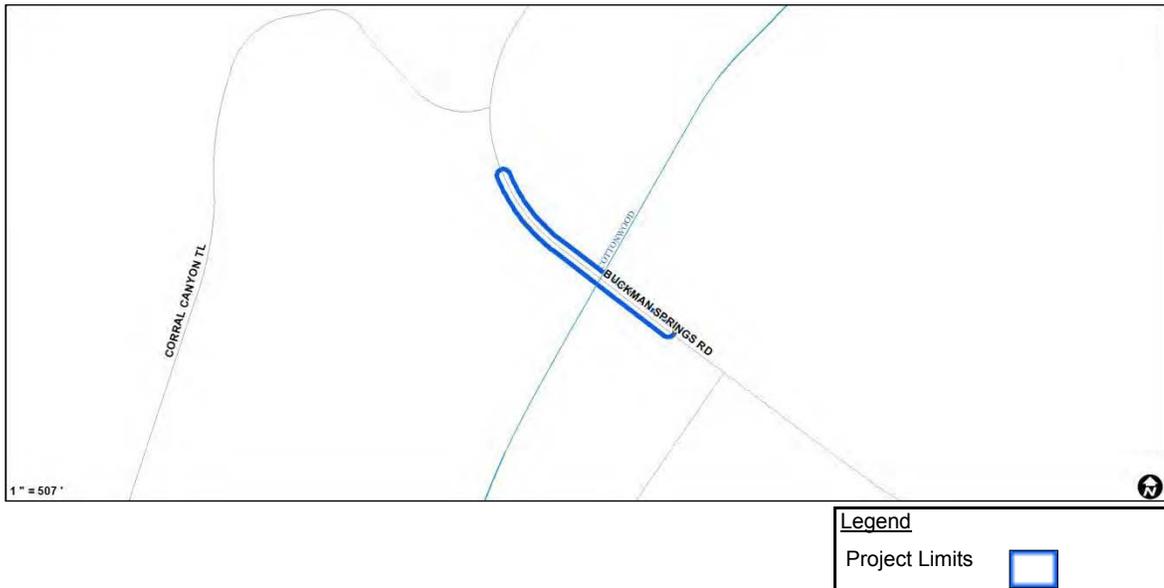
### Campo/Lake Morena

This project will replace the bridge on Buckman Springs Road over Cottonwood Creek. This project was requested to meet federal bridge safety requirements.

Total Length	700 feet
Estimate Completion	Summer 2018
Planning Group	Campo/Lake Morena
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$8,700,000
Funding/Funding Status	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$575,000	\$150,000	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$2,800,000	\$1,000,000	\$100,000	\$100,000	\$50,000
Totals	\$3,375,000	\$1,150,000	\$100,000	\$100,000	\$50,000

430 A-7



Bridge



## COLE GRADE ROAD BRIDGE

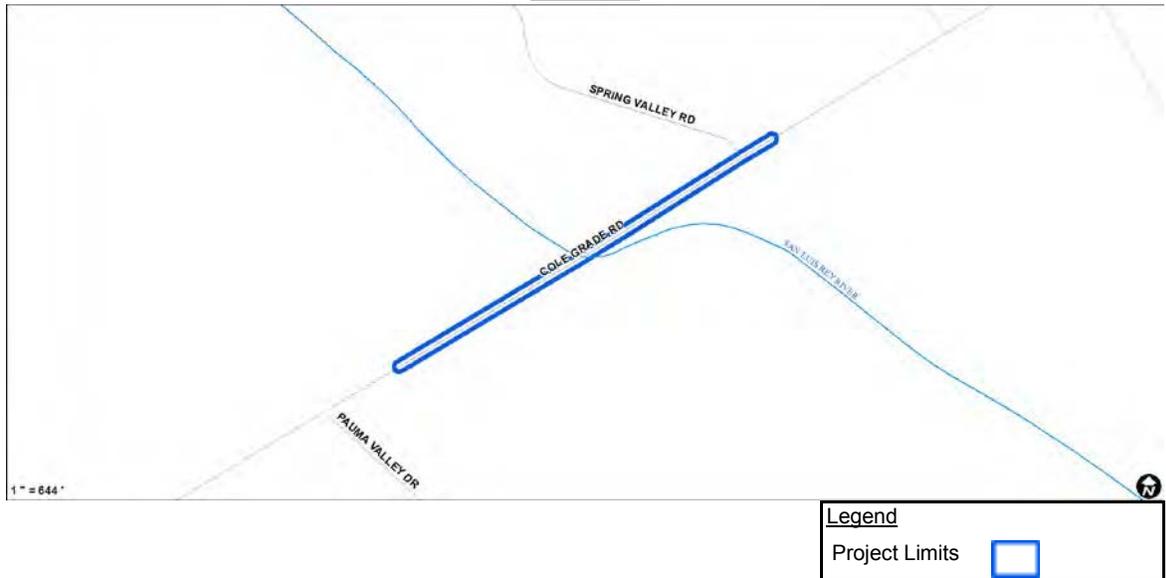
### Pala-Pauma

This project eliminates the dip on Cole Grade Road at San Luis Rey River by constructing a bridge. This project was requested to meet federal bridge requirements.

Total Length                    1,700 feet  
 Estimate Completion           Summer 2021  
 Planning Group                 Pala-Pauma  
 Project Manager                Chris Hanger  
 District                            5  
 Estimated Project Cost        \$11,700,500  
 Funding/Funding Status       HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$484,000	\$350,000	\$250,000	\$200,000	\$0
Right-of-Way	\$0	\$0	\$250,000	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$7,500,000
<b>Totals</b>	<b>\$484,000</b>	<b>\$350,000</b>	<b>\$500,000</b>	<b>\$200,000</b>	<b>\$7,500,000</b>

1050 H-4



Bridge



## COUNTRY CLUB ROAD DIP

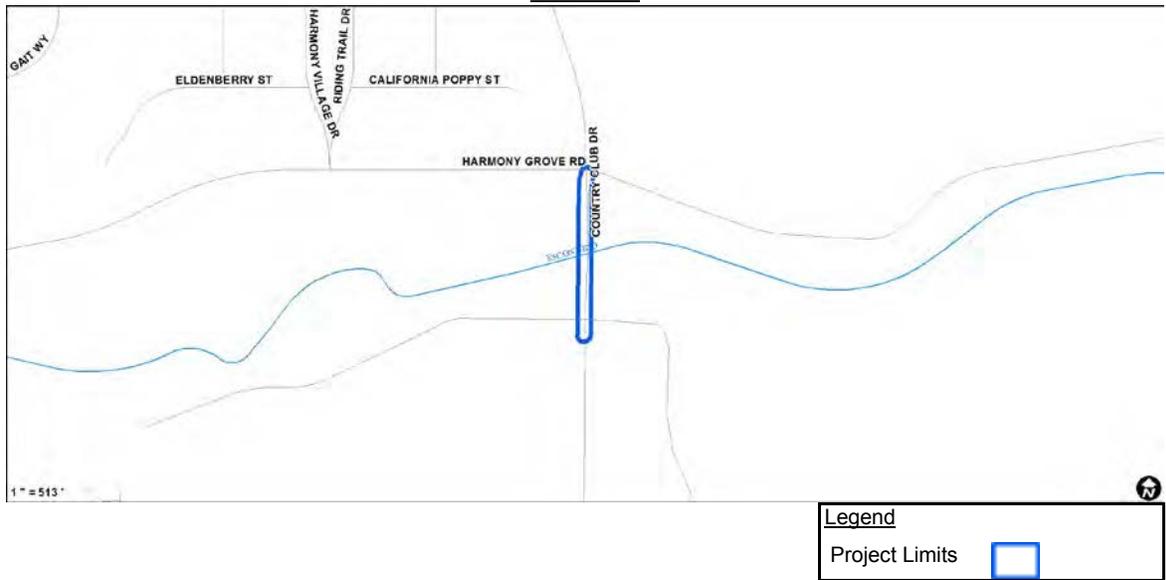
### North County Metro

This project replaces low water crossing with bridge to handle 100 year storm on Country Club Road south of Harmony Grove Rd. This project was requested to meet federal bridge requirements.

Total Length                    500 feet  
 Estimate Completion         Summer 2020  
 Planning Group                North County Metro  
 Project Manager               Nael Areigat  
 District                            5  
 Estimated Project Cost       \$8,800,000  
 Funding/Funding Status      HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$284,000	\$600,000	\$0	\$0	\$0
Right-of-Way	\$0	\$25,000	\$50,000	\$0	\$0
Construction	\$0	\$0	\$0	\$3,000,000	\$5,385,000
<b>Totals</b>	<b>\$284,000</b>	<b>\$625,000</b>	<b>\$50,000</b>	<b>\$3,000,000</b>	<b>\$5,385,000</b>

1129 C-6



Bridge



## LAWSON VALLEY ROAD BRIDGE AT LAWSON CREEK (WEST)

### Jamul/Dulzura

This project will replace the bridge on Lawson Valley Road, over Lawson creek, 200 feet west of Sloane Canyon Road. This project was requested to meet federal bridge requirements.

Total Length	450 feet
Estimate Completion	Fall 2021
Planning Group	Jamul/Dulzura
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$4,600,000
Funding/Funding Status	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$635,000	\$230,000	\$237,500	\$185,000	\$250,000
Right-of-Way	\$0	\$100,000	\$500,000	\$500,000	\$0
Construction	\$0	\$0	\$0	\$0	\$1,700,000
Totals	\$635,000	\$330,000	\$737,500	\$685,000	\$1,950,000

1274 A-3



Bridge



## LIVE OAK PARK RD BRIDGE REPLACEMENT

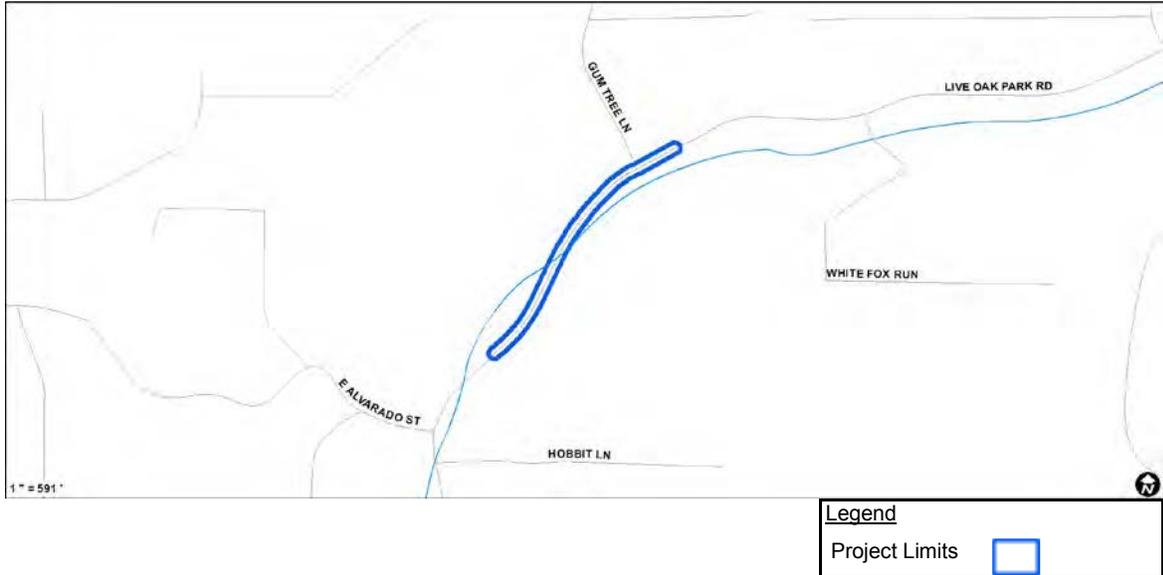
### Fallbrook

This project will replace the bridge on Live Oak Park Road over a San Luis Rey River tributary with a new bridge. This project was requested to meet federal bridge requirements.

Total Length	1,000 feet
Estimate Completion	Summer 2018
Planning Group	Fallbrook
Project Manager	Chris Hanger
District	5
Estimated Project Cost	\$5,100,000
Funding/Funding Status	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$291,000	\$120,000	\$250,000	\$200,000	\$0
Right-of-Way	\$100,000	\$0	\$0	\$0	\$0
Construction	\$0	\$2,000,000	\$2,000,000	\$0	\$0
Totals	\$391,000	\$2,120,000	\$2,250,000	\$200,000	\$0

1028 B-2



Bridge



## PAMO ROAD BRIDGE NORTH

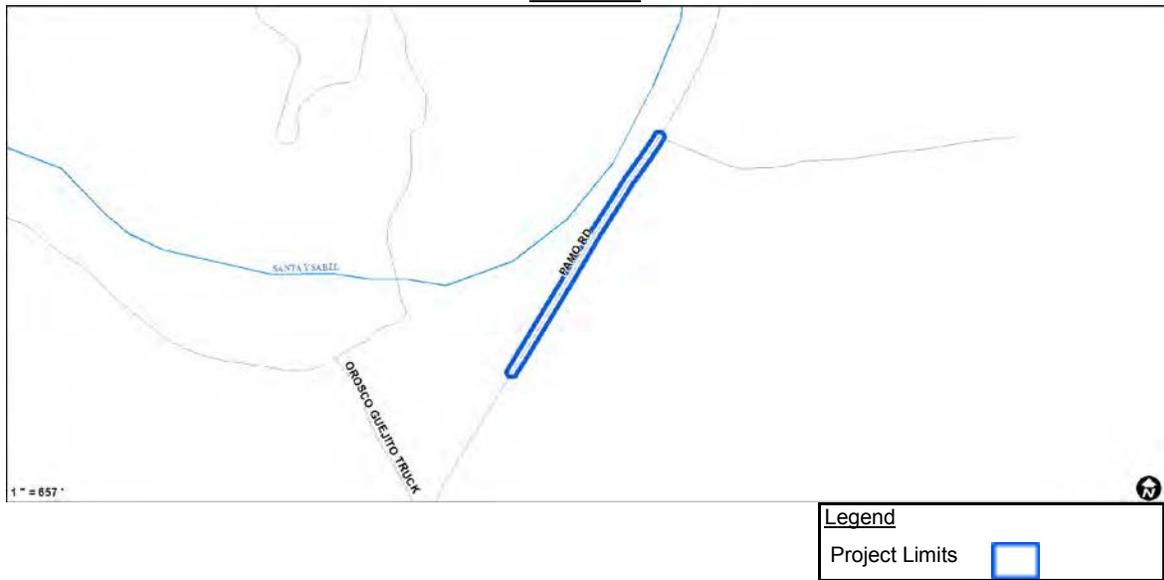
### North Mountain

This project will replace a series of concrete culverts with a new bridge on Pamo Road over the Santa Ysabel Creek, 1.13 miles north of Orosco Guejito Truck Trail. This project was requested to meet federal bridge requirements.

Total Length                    500 feet  
 Estimate Completion         Summer 2020  
 Planning Group                North Mountain  
 Project Manager                Richard Pettie  
 District                            2  
 Estimated Project Cost        \$6,000,000  
 Funding/Funding Status      HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$485,000	\$350,000	\$150,000	\$0	\$0
Right-of-Way	\$0	\$5,000	\$100,000	\$0	\$0
Construction	\$0	\$0	\$0	\$2,000,000	\$2,000,000
<b>Totals</b>	<b>\$485,000</b>	<b>\$355,000</b>	<b>\$250,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>

409 G-11



Bridge



## QUARRY ROAD BRIDGE

### Spring Valley

This project will construct a bridge to eliminate the dip on Quarry Road at Spring Valley Creek, located between State Route 125 and the Spring Valley Swap Meet. This project was requested to meet federal bridge requirements.

Total Length	1,000 feet
Estimate Completion	Spring 2022
Planning Group	Spring Valley
Project Manager	Chris Hanger
District	2
Estimated Project Cost	\$6,000,000
Funding/Funding Status	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$110,000	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$500,000	\$2,500,000	\$0	\$0
<b>Totals</b>	<b>\$110,000</b>	<b>\$500,000</b>	<b>\$2,500,000</b>	<b>\$0</b>	<b>\$0</b>

1291 A-4



Bridge



## SYCAMORE DRIVE BRIDGE REPLACEMENT

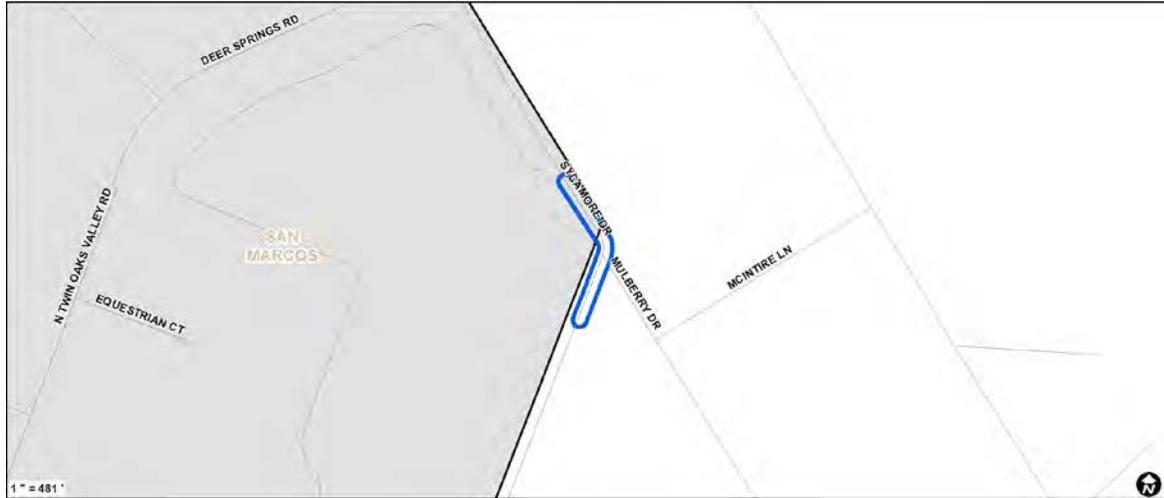
### North County Metro

This project will construct a new bridge to replace the existing bridge on Sycamore Drive over San Marcos Creek. This project was requested to meet federal bridge requirements.

Total Length	450 feet
Estimate Completion	Winter 2019
Planning Group	North County Metro
Project Manager	Chris Hanger
District	5
Estimated Project Cost	\$6,000,000
Funding/Funding Status	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$405,000	\$292,000	\$1,100,000	\$374,200	\$100,000
Right-of-Way	\$0	\$85,000	\$0	\$0	\$0
Construction	\$0	\$0	\$3,000,000	\$525,000	\$0
Totals	\$405,000	\$377,000	\$4,100,000	\$899,200	\$100,000

1109 A-1



<b>Legend</b>	
Project Limits	<span style="border: 1px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Bridge



## WILLOWS ROAD BRIDGE SCOUR

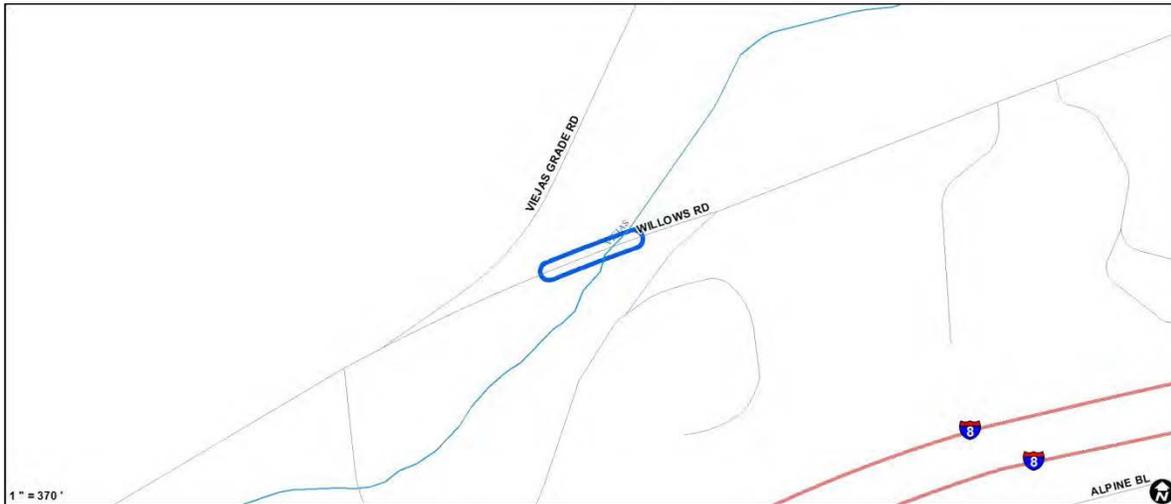
### Alpine

This project will scour counter measures at the Willows Road bridge over Viejas Creek. This project was requested to meet federal bridge requirements.

Total Length	200 feet
Estimate Completion	Spring 2017
Planning Group	Alpine
Project Manager	Michael Long
District	2
Estimated Project Cos	\$4,500,000
Funding/Funding Statu	HBP and Gas Tax / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$125,000	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$3,500,000	\$0	\$0	\$0
<b>Totals</b>	\$125,000	\$3,500,000	\$0	\$0	\$0

1234 G-5 thru H-5



Legend

Project Limits

Bridge



## 17. Wastewater





## FLINN SPRINGS INTERCEPTOR IMPROVEMENTS

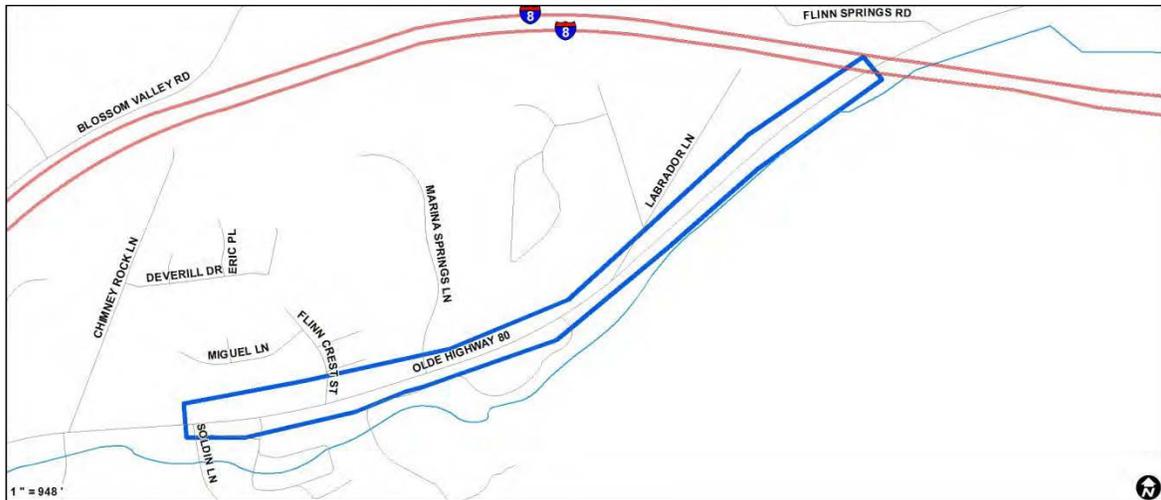
### Lakeside

Sewer replacement in Old Highway 80 between Silva Road and Chimney Rock Lane. This project was requested by Wastewater Program.

Total Length	4,700 feet
Estimate Completion	Summer 2017
Planning Group	Lakeside
Project Manager	Mark Perrett
District	2
Estimated Project Cost	\$3,000,000
Funding/Funding Status	San Diego County Sanitation District / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering		\$0	\$0	\$0	\$0
Project Development	\$405,000	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$2,200,000	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$2,605,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1232 H4, H5, J4



<b>Legend</b>	
Project Limits	<span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Waste Water



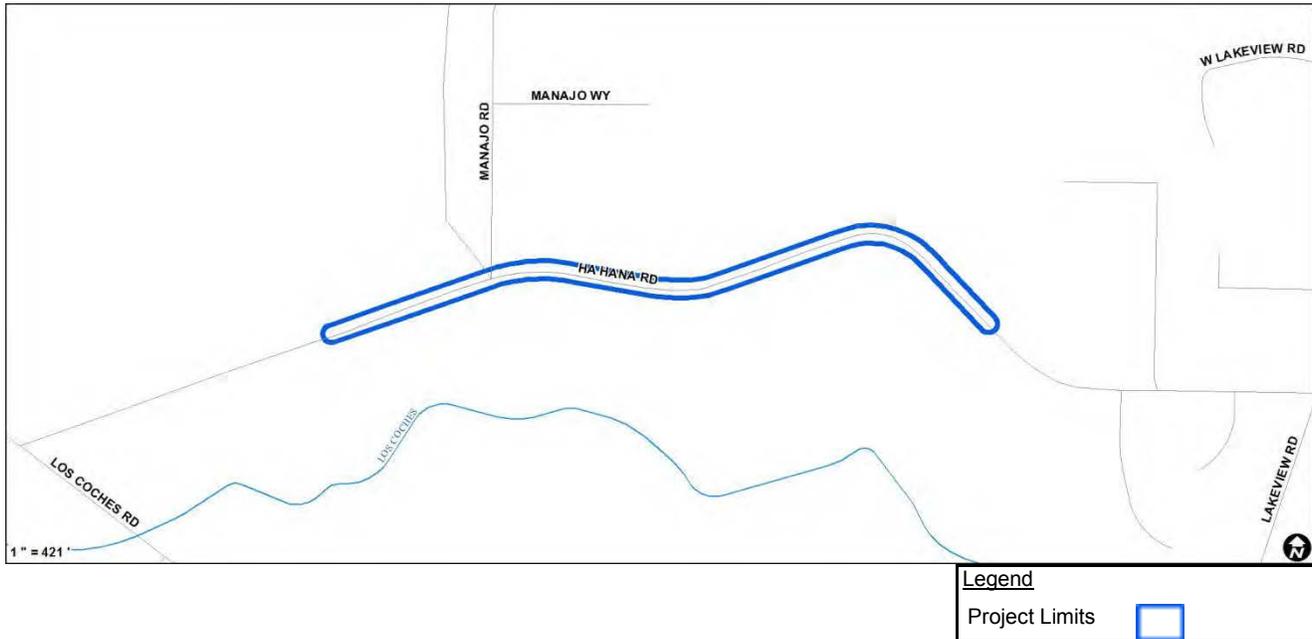
## INDUSTRY ROAD INTERCEPTOR SEWER REPLACEMENT Lakeside

Sewer replacement/relining in Ha-Hana Road between Los Coches Road and Lakeview Road. This project was requested by Wastewater Program.

Total Length	1,300 feet
Estimate Completion	Summer 2017
Planning Group	Lakeside
Project Manager	Mark Perrett
District	2
Estimated Project Cost	\$2,500,000
Funding/Funding Status	San Diego County Sanitation District / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$279,000	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$1,700,000	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$1,979,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1232 C-6 and D-6



Waste Water

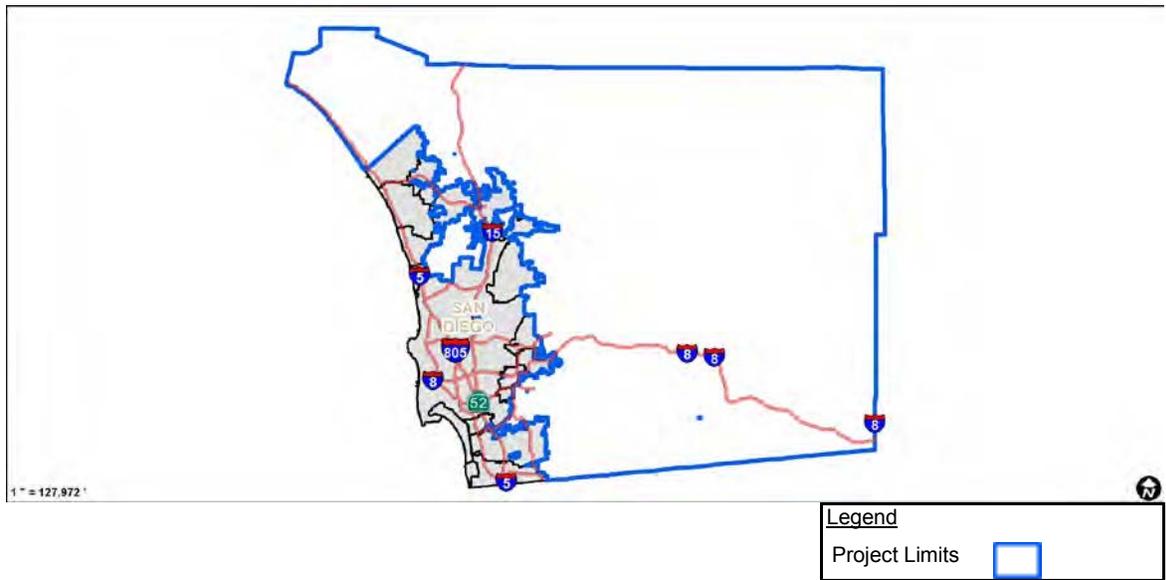


## SCADA Various

SCADA upgrades to County Wastewater Pump Stations/ Treatment Plants throughout the county. This project was requested by Wastewater Program.

Total Length	NA
Estimate Completion	Spring 2018
Planning Group	Various
Project Manager	Mark Perrett
District	ALL
Estimated Project Cost	\$4,000,000
Funding/Funding Status	San Diego County Sanitation District / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$465,000	\$500,000	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$1,300,000	\$1,500,000	\$0	\$0	\$0
<b>Totals</b>	<b>\$1,765,000</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



Waste Water



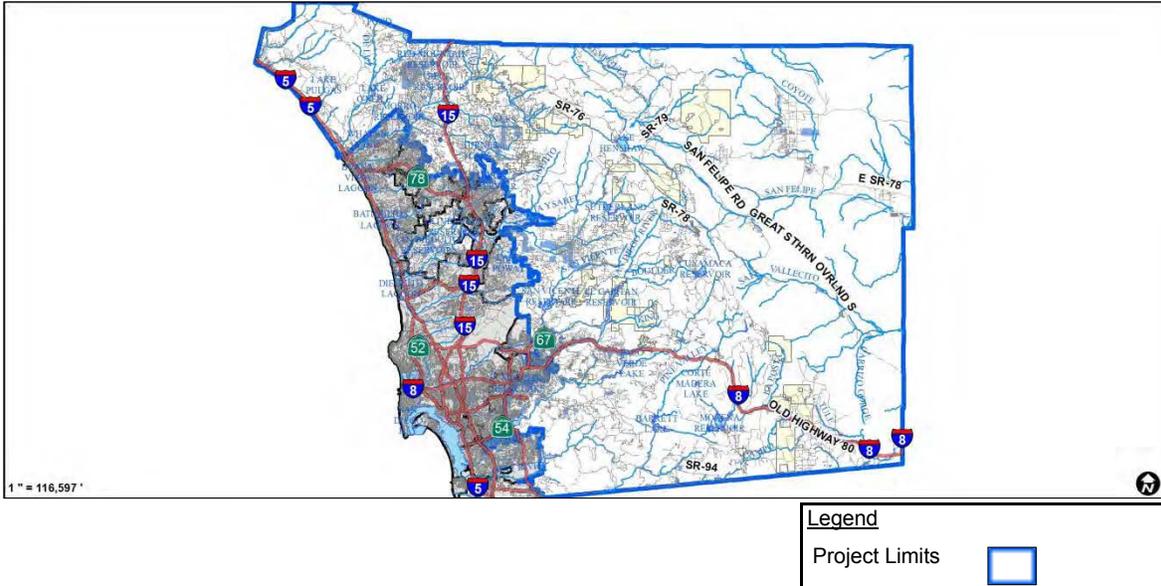
## WASTEWATER CIP PROJECTS

### Other

Replacement and rehabilitation of existing San Diego County Sanitation District Sewer pipelines.  
 This project was requested by Wastewater Program.

Total Length	TBD
Estimate Completion	TBD
Planning Group	Other
Project Manager	Mark Perrett
District	Various
Estimated Project Cost	\$4,000,000
Funding/Funding Status	San Diego County Sanitation District / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$500,000	\$500,000	\$500,000	\$500,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000
<b>Totals</b>	<b>\$0</b>	<b>\$4,000,000</b>	<b>\$4,000,000</b>	<b>\$4,000,000</b>	<b>\$4,000,000</b>



Waste Water



## 18. Airports



Airports



## BORREGO VALLEY AIRPORT DRAINAGE IMPROVEMENTS

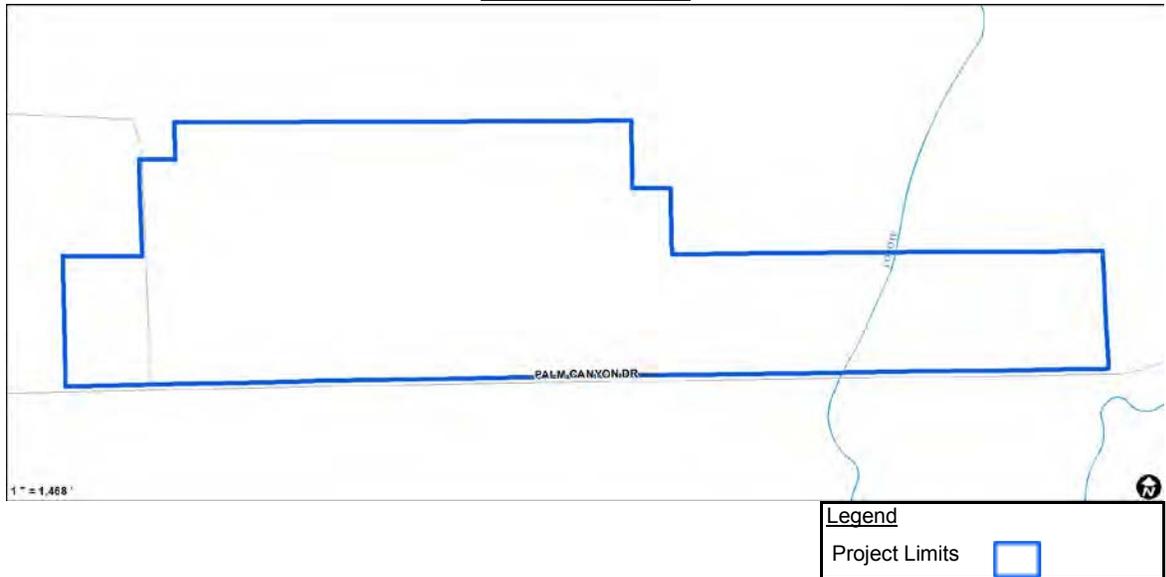
### Borrego Springs

This project will construct drainage improvements at the Borrego Valley Airport. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Summer 2019
Planning Group	Borrego Springs
Project Manager	Michael Khoury
District	5
Estimated Project Cost	\$660,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1129 F-1 thru H-1



Airports



## FALLBROOK COMMUNITY AIRPARK RUNWAY SAFETY AREA IMPROVEMENTS

### Fallbrook

This project will construct the runway safety area improvements at the Fallbrook Community Airpark. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Spring 2020
Planning Group	Fallbrook
Project Manager	Michael Khoury
District	5
Estimated Project Cost	\$6,500,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1027 F-6



<b>Legend</b>	
Project Limits	<span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span>

Airports



## GILLESPIE FIELD CAJON AIR CENTER (PHASE II)

### Gillespie Field Development Council (GFDC)

This project will construct North drainage improvement for the Cajon Air Center at Gillespie Field. This project was requested by the Airport Program.

Total Length	NA
Estimate Completion	Spring 2018
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$5,300,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



Airports



## GILLESPIE FIELD CAJON AIR CENTER (PHASE III)

### GFDC

This project will construct site grading, install drainage and utility relocation. This project was requested by the Airport Program.

Total Length	NA
Estimate Completion	Spring 2019
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$4,400,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



Airports



## GILLESPIE FIELD CAJON AIR CENTER (PHASE IV)

### GFDC

This project will improve roadways and install taxiway and ramp. This project was requested by the Airport Program.

Total Length	NA
Estimate Completion	Spring 2020
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$5,600,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



Airports



## GILLESPIE FIELD DRAINAGE IMPROVEMENTS

### GFDC

This project will construct drainage systems at Gillespie Field. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Fall 2020
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$6,000,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



Airports



## GILLESPIE FIELD REHABILITATE RUNWAY 17/35

### GFDC

This project will rehabilitate Runway 17/35. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Summer 2018
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$5,500,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1251 D-1 thru F-1



**Legend**

Project Limits

Airports



## GILLESPIE FIELD REHABILITATE RUNWAY 9L/27R

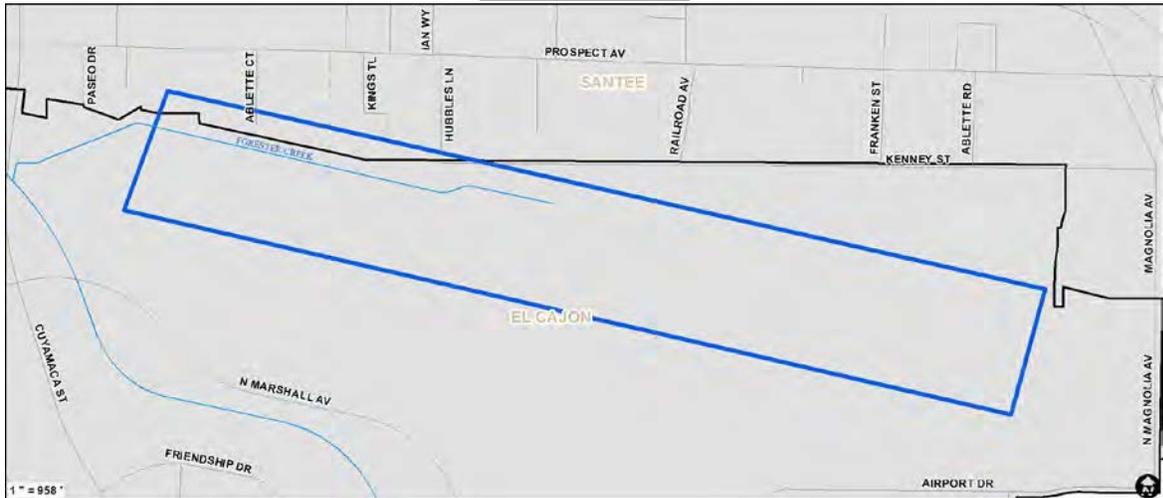
### GFDC

This project will rehabilitate runway 9L/27R at Gillespie Field. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Fall 2021
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$2,700,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1251 D-1 thru F-1



<b>Legend</b>
Project Limits <span style="border: 1px solid blue; display: inline-block; width: 20px; height: 10px; vertical-align: middle;"></span>

Airports



## GILLESPIE FIELD REHABILITATE RUNWAY 9R/27L

### GFDC

This project will rehabilitate runway 9R/27L at Gillespie Field. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Fall 2020
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$1,800,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



Airports



## GILLESPIE FIELD RUNWAY AND TAXIWAY LIGHTING

### GFDC

This project will install runway and taxiway lighting and guidance signs at Gillespie Field. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Summer 2020
Planning Group	GFDC
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$4,100,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



Airports



## PALOMAR AIRPORT CONSTRUCT ARFF BARN

### Palomar Airport Advisory Committee (PAAC)

This project will construct an Aircraft Rescue and Fire Fighting Facility at Palomar Airport. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Summer 2019
Planning Group	PAAC
Project Manager	Michael Khoury
District	5
Estimated Project Cost	\$2,500,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1127 C-3 thru E-2



<b>Legend</b>
Project Limits <span style="display: inline-block; border: 1px solid blue; width: 20px; height: 10px; vertical-align: middle;"></span>

Airports



## PALOMAR AIRPORT CONSTRUCT EMAS

### PAAC

This project will construct an Engineered Materials Arresting System at Palomar Airport. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Summer 2020
Planning Group	PAAC
Project Manager	Michael Khoury
District	5
Estimated Project Cost	\$25,500,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1127 C-3 thru E-2



<b>Legend</b>
Project Limits <span style="display: inline-block; width: 20px; height: 10px; border: 1px solid blue; margin-left: 5px;"></span>

Airports



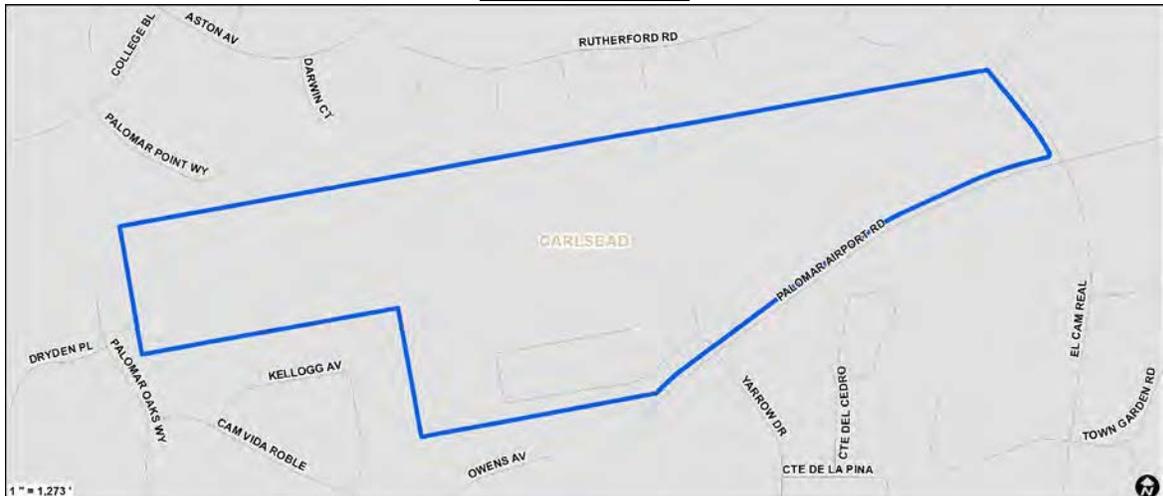
## PALOMAR AIRPORT CONSTRUCT TAXIWAY DELTA REHAB PAAC

This project consists of the reconstruction of taxiway delta at Palomar Airport. This project was requested by the Airport Program.

Total Length	NA
Estimate Completion	Summer 2019
Planning Group	PAAC
Project Manager	Michael Khoury
District	5
Estimated Project Cost	\$2,500,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1251 D-1 thru F-1



**Legend**

Project Limits

Airports



## RAMONA AIRPORT PERIMETER FENCE

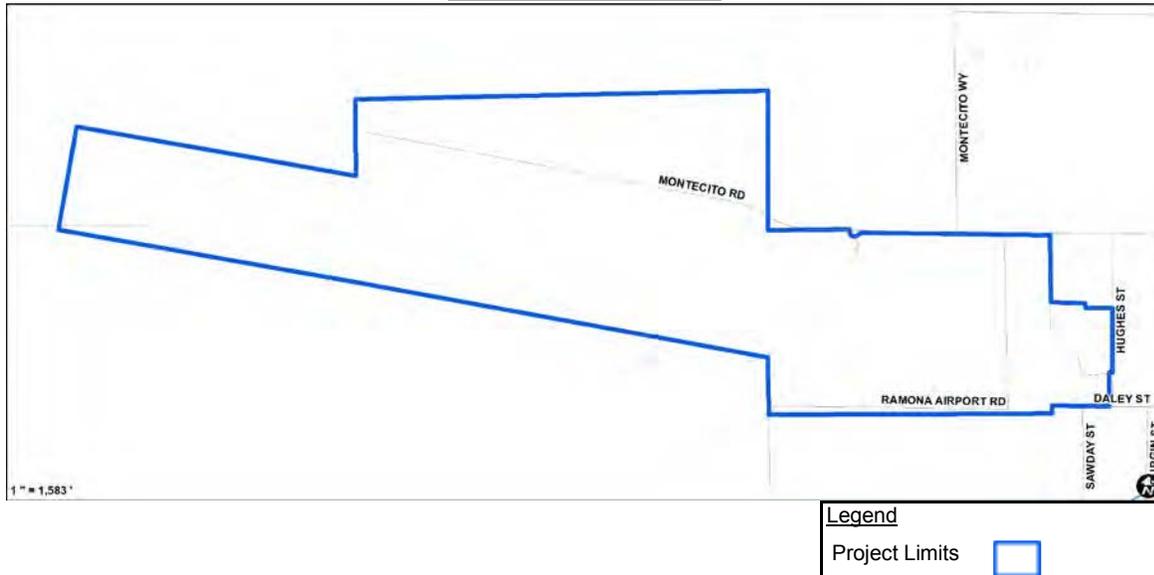
### NA

This project consists of the installation of perimeter fencing at Ramona Airport. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Fall 2017
Planning Group	NA
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$1,000,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0

1151 J-6 thru 1152 C-7



Airports



## RAMONA AIRPORT TERMINAL APRON

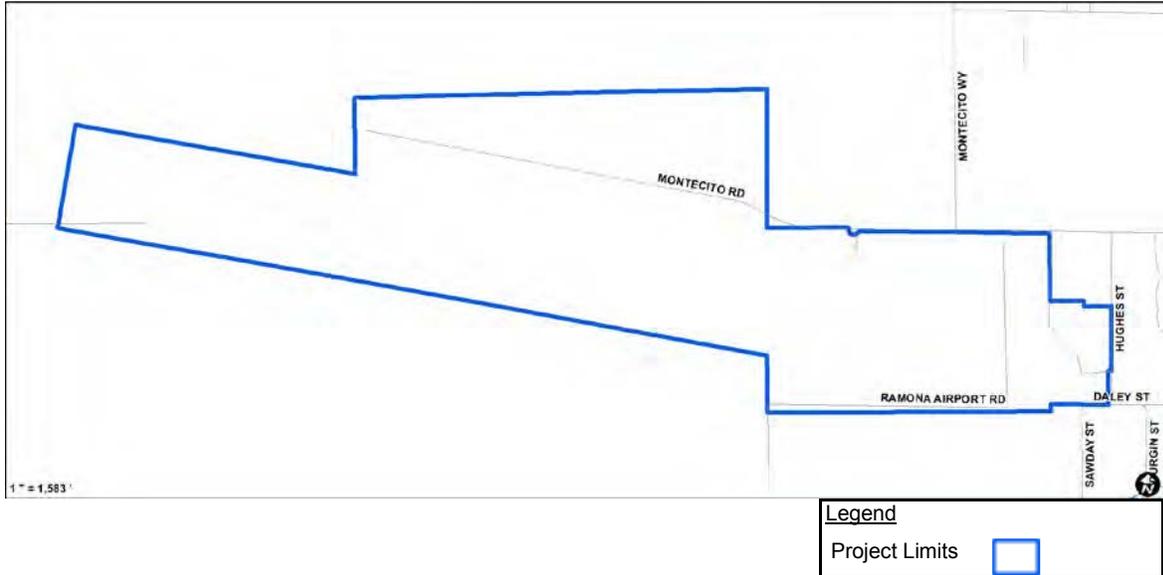
### NA

This project will improve the terminal apron at Ramona Airport. This project was requested by Airport Program.

Total Length	NA
Estimate Completion	Summer 2021
Planning Group	NA
Project Manager	Michael Khoury
District	2
Estimated Project Cost	\$3,300,000
Funding/Funding Status	FAA and Airport Enterprise Fund / Not Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1151 J-6 thru 1152 C-7



Airports

Airports



## 19. Utility Undergrounding



Utility Undergrounding



## BRADLEY AVE UUD

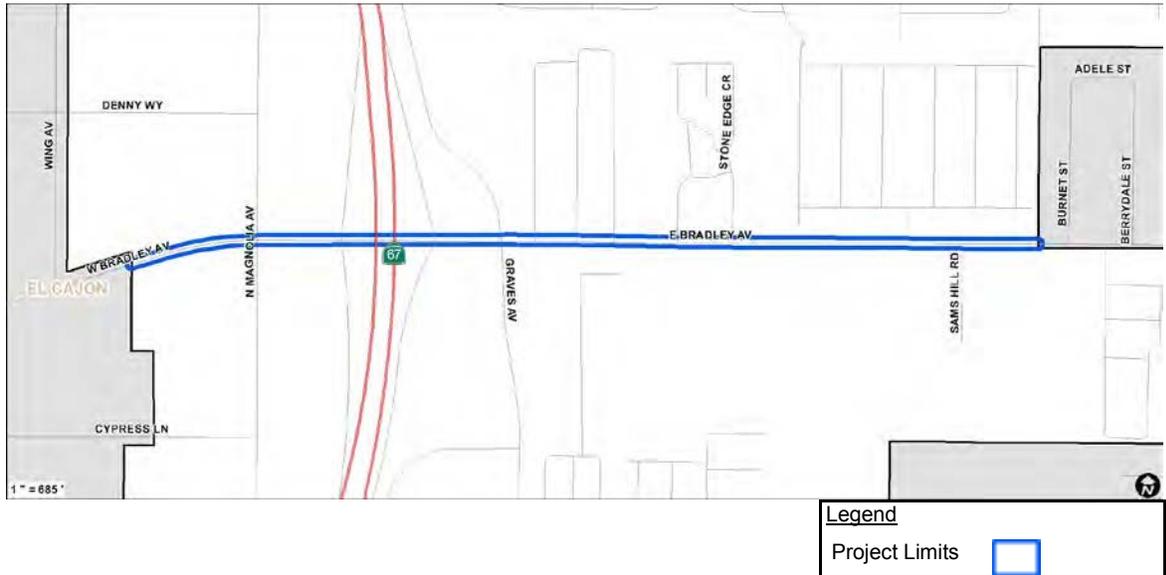
### Lakeside

This project will convert existing overhead utility lines to underground and the removal of utility poles as part of Bradley Avenue Improvements.

Total Length	3,000 feet
Estimate Completion	TBD
Planning Group	Lakeside
Project Manager	Lawrence Hirsch
District	2
Estimated Project Cost	\$4,300,000
Funding/Funding Status	20A Fund / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$4,300,000
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,300,000</b>

1251 F-2



Utility Undergrounding



## COLE GRADE ROAD UUD

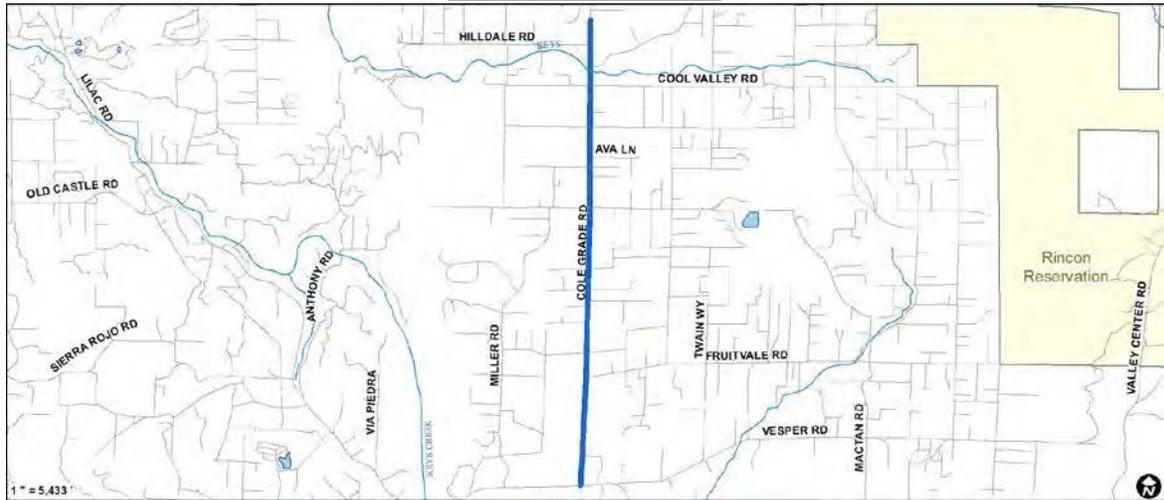
### Valley Center

This project will convert existing overhead utility lines to underground and the removal of utility poles as part of Cole Grade Road Improvements.

Total Length	10,000 feet
Estimate Completion	Summer 2019
Planning Group	Valley Center
Project Manager	Lawrence Hirsch
District	5
Estimated Project Cost	\$10,500,000
Funding/Funding Status	20A Fund / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$10,500,000
<b>Totals</b>	\$0	\$0	\$0	\$0	\$10,500,000

1070 F-3 thru 1090 F-1



<b>Legend</b>
Project Limits <span style="display: inline-block; width: 20px; height: 10px; border: 2px solid blue; vertical-align: middle;"></span>

Utility Undergrounding



## RECHE RD UUD

### Fallbrook

This project involves the conversion of existing overhead electric, telephone and cable television lines to underground and the removal of utility poles as part of Reche Rd Roadway Improvements project.

Total Length                    2,700 feet  
 Estimate Completion         Summer 2018  
 Planning Group                Fallbrook  
 Project Manager               Lawrence Hirsch  
 District                            5  
 Estimated Project Cost        \$1,500,000  
 Funding/Funding Status      20A Fund / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$1,500,000	\$0	\$0
<b>Totals</b>	\$0	\$0	\$1,500,000	\$0	\$0

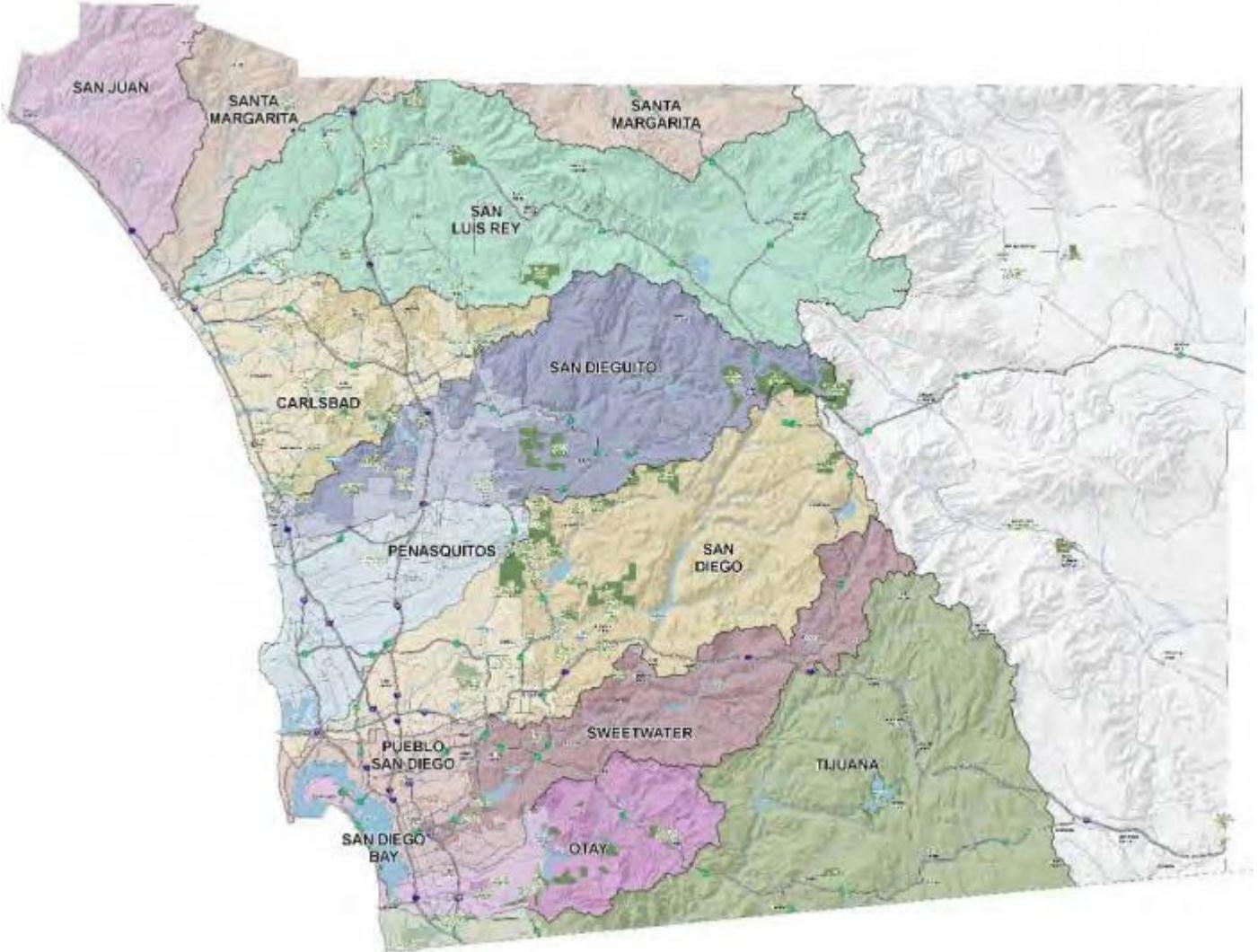
1028 A-4



Utility Undergrounding



## 20. Watershed





## MAPLEVIEW STREET

### Lakeside

Total Length                    TBD  
 Estimate Completion        TBD  
 Planning Group                Lakeside  
 Project Manager              TBD  
 District                         2  
 Estimated Project Cost      TBD  
 Funding/Funding Status     County General Fund / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

1232-B3 thru C2



Legend
Project Limits <span style="display: inline-block; width: 20px; height: 10px; border: 2px solid blue; vertical-align: middle;"></span>

Watersheds



## SAN MARINO GREEN STREETS

### Other

Total Length                    TBD  
 Estimate Completion        TBD  
 Planning Group                Other  
 Project Manager              TBD  
 District                         5  
 Estimated Project Cost        TBD  
 Funding/Funding Status      County General Fund / Funded

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0
Project Development	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0

1128-C3



Legend
Project Limits <span style="display: inline-block; width: 15px; height: 10px; border: 1px solid blue; margin-left: 5px;"></span>

Watersheds



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