CIRCULATION SYSTEM PROJECTS

TRAFFIC SIGNAL PROJECTS

FUNDING MATRIX FOR TRAFFIC SIGNAL PROJECTS

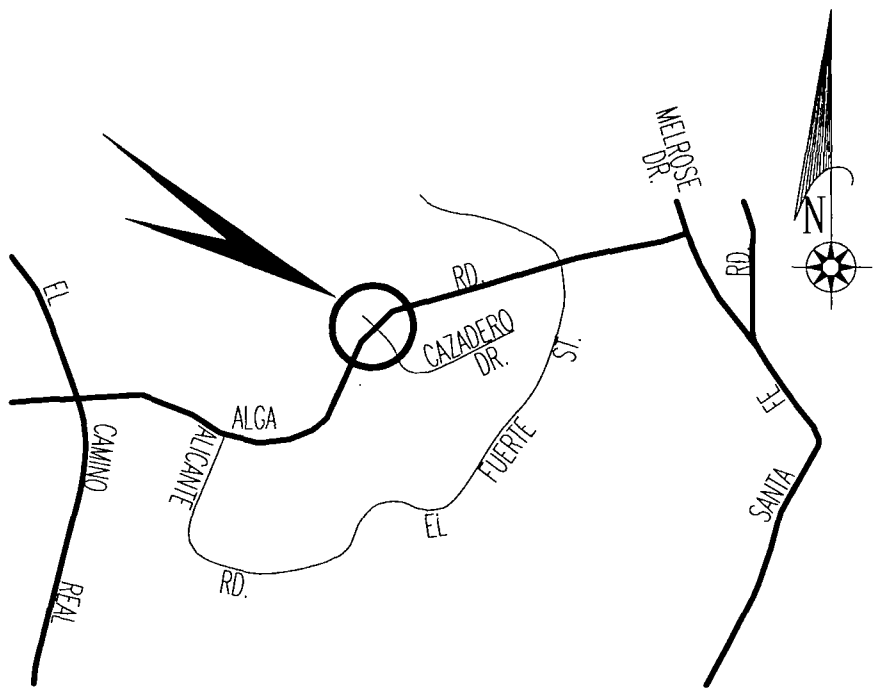
				FUTURE YEAR BUDGET AMOUNTS						
PROJ NO.	PROJECT TITLE	FUNDING SOURCE	TOTAL BUDGET	YEAR 1 2005-2006	YEAR 2 2006-2007	YEAR 3 2007-2008	YEAR 4 2008-2009	YEAR 5 2009-2010	YEAR 6-10 2010-2015	BUILDOUT 2015-2020
	TRAF SIG - ALGA ROAD AND CAZADERO	GAS TAX	210,000						210,000	
33692	TRAF SIG - AVIARA PARKWAY-POINSETTIA LANE TO EL CAMINO REAL	OTHER	863,000				260,000			
33693	TRAF SIG - AVIARA PARKWAY-POINSETTIA LANE TO EL CAMINO REAL	GCC	260,000				100,000			
NEW	TRAF SIG - AVIARA PKWY AND CAMINO DE LAS ONDAS- REIMB	GCC	105,000	105,000						
	TRAF SIG - CALLE BARCELONA AND PASEO AVELLANO	GCC	210,000						210,000	
39161	TRAF SIG - CAMINO DE LOS COCHES AND CALLE ACERVO	GCC	190,000							
	TRAF SIG - CAMINO DE LOS COCHES AND LA COSTA AVENUE	PFF	185,000						185,000	
	TRAF SIG - CAMINO VIDA ROBLE AND YARROW DRIVE	PFF	185,000							185,000
39021	TRAF SIG - CANNON ROAD AND AVENIDA ENCINAS	PFF	150,000							
	TRAF SIG - CANNON ROAD AND COLLEGE BOULEVARD	PFF	210,000						210,000	
NEW	TRAF SIG - CARLSBAD BLVD & TAMARACK SIGNAL REPAIRS	IRF	230,000	230,000						
38461	TRAF SIG - CARLSBAD BOULEVARD AND CHERRY AVE	GCC	185,000						185,000	
39171	TRAF SIG - CARLSBAD VILLAGE DRIVE AND GLASGOW DR	GCC	210,000							
	TRAF SIG - COLLEGE BOULEVARD AND CARLSBAD VILLAGE DR - Reimb	PFF	210,000						210,000	
38991	TRAF SIG - EL CAM. REAL/PLAZA/MARRON/HOSP WY	TRANSNET-LOC	1,311,000							
NEW	TRAF SIG - EL CAMINO REAL AND CHESTNUT SIGNAL REPAIRS	IRF	206,000	206,000						
38001	TRAF SIG - EL CAMINO REAL AND POINSETTIA LANE	PFF	204,250							
NEW	TRAF SIG - EL CAMINO REAL AND TAMARACK SIGNAL REPAIRS	IRF	141,000	141,000						
	TRAF SIG - FARADAY AVE. AND CAMINO HILLS DRIVE	GCC	185,000						185,000	
	TRAF SIG - FARADAY AVENUE AND ORION STREET	TIF	210,000	210,000						
36211	TRAF SIG - FARADAY AVENUE AND PRIESTLY DRIVE	GAS TAX	210,000							
	TRAF SIG - FARADAY AVENUE AND RUTHERFORD ROAD	GCC	185,000						185,000	
NEW	TRAF SIG - LA COSTA AVENUE AND ESFERA STREET	GAS TAX	190,000			190,000				
39381	TRAF SIG - LA COSTA AVENUE AND LEVANTE	GCC	210,000							
	TRAF SIG - LA COSTA AVENUE/NUEVA CASTILLA	GCC	185,000						185,000	
	TRAF SIG - MELROSE DRIVE AND LA COSTA AVENUE	PFF	185,000							185,000
	TRAF SIG - MONROE STREET AND HOSP WAY	GCC	210,000						210,000	
36441	TRAF SIG - PALOMAR AIRPORT ROAD AND MELROSE DRIVE	PFF	250,000							
39351	TRAF SIG - PASEO DEL NORTE AND CAR COUNTRY DR	GAS TAX	210,000							
39391	TRAF SIG - POINSETTIA LANE AND BLACKRAIL ROAD	GCC	210,000							
	TRAF SIG - POINSETTIA LANE AND BRIGANTINE ROAD	GCC	185,000						185,000	
39461	TRAF SIG - POINSETTIA LANE AND EL FUERTE STREET (REIMB)	PFF	210,000							
38821	TRAF SIG - POINSETTIA LANE AND SNAPDRAGON DR	GAS TAX	190,000							
	TRAF SIG - RANCHO SANTA FE ROAD AND CALLE JUNIPERO	PFF	210,000						210,000	
34061	TRAF SIG - RANCHO SANTA FE ROAD AND SAN ELIJO ROAD	GCC	125,000							
39401	TRAF SIG - TAMARACK AVE. AND PONTIAC DRIVE	GCC	210,000							
	TRAF SIG - TAMARACK AVE. AND VALLEY STREET	GCC	185,000						185,000	
	TRAF SIG - TAMARACK AVENUE AND GARFIELD STREET	PFF	210,000							210,000
NEW	VIDEO DETECTION CONVERSION	GAS TAX	1,850,000	517,000	67,000	277,000	247,000	307,000	435,000	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - ALGA ROAD AND CAZADERO DRIVE
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Alga Road and Cazadero Drive.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans signal warrants have been met. The intersection is listed on the qualification list of the City's Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

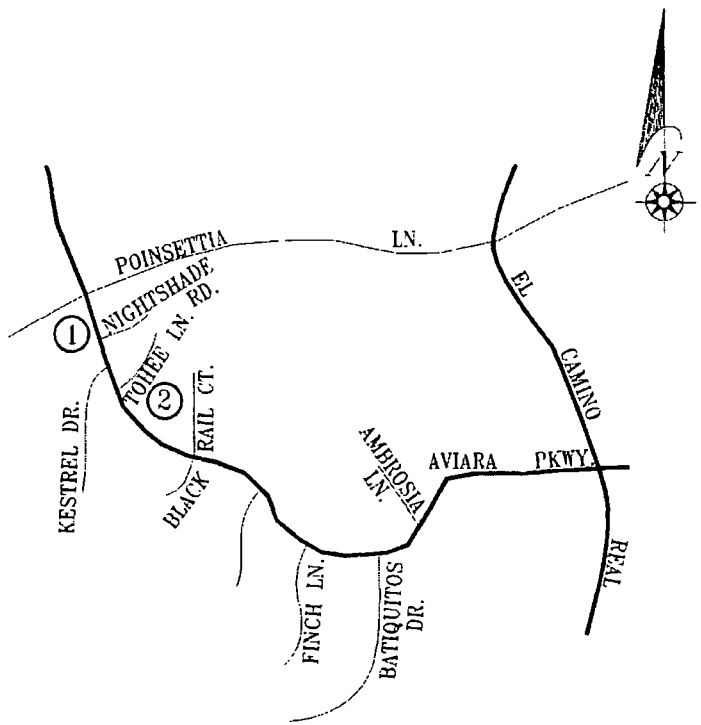
Purpose	Estimated Cost	Funding Source
Design	$8,000	Gas Tax
Construction	$190,000	Gas Tax
Admin/Inspection	$12,000	Gas Tax
Total Cost =	**$210,000**	

CAPITAL PROJECT DESCRIPTION

33692 & 33693
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - AVIARA PARKWAY (POINSETTIA LANE TO EL CAMINO REAL)
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At various intersections on Aviara Parkway between Poinsettia Lane and El Camino Real.

PROJECT DESCRIPTION:

Construct traffic signals and/or make minor drainage improvements to the following intersections with Aviara Parkway:

1. Nightshade Road - Traffic Signal
2. Tohee Lane - Traffic Signal

PROJECT NEED:

Signals needed to comply with Growth Management Standards. Traffic signals will be installed when they are warranted. Minor street improvements are needed to accommodate street drainage. Improvements will be constructed when Aviara Parkway is extended north of Poinsettia Lane.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$260,000	Other
Design/Construction	$100,000	GCC
Total Cost =	**$360,000**	

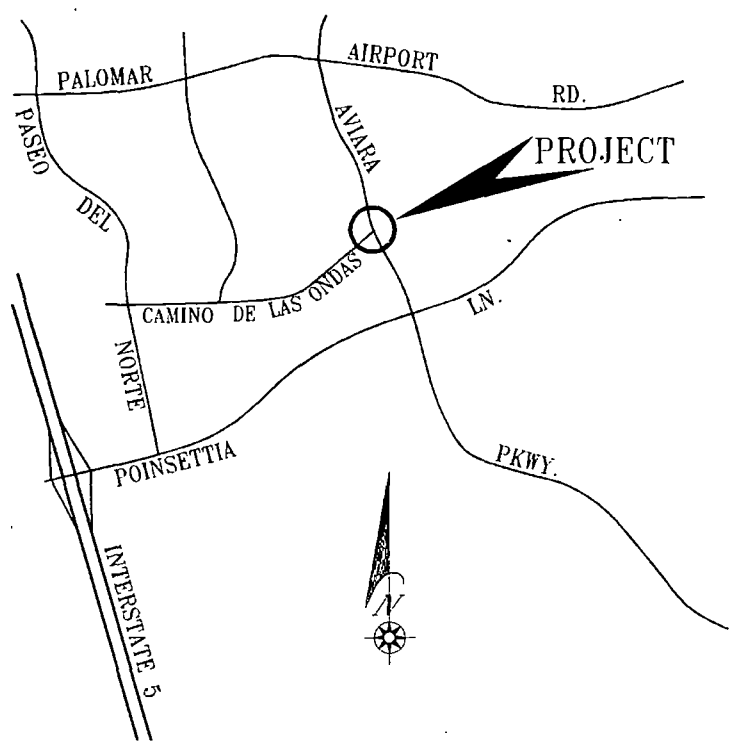
Original project cost estimated at $1,123,000. $763,000 expended in previous years for construction of existing traffic signals along Aviara Parkway.

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – AVIARA PARKWAY AND CAMINO DE LAS ONDAS
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Aviara Parkway and Camino de las Ondas.

PROJECT DESCRIPTION:

Installation of a fully-actuated traffic signal and appurtenant striping and signage. Developer of North Coast Calvary Chapel (MS 04-02) will design and construct signal and may apply for reimbursement of half the cost pursuant to a development condition for the project.

PROJECT NEED:

Required to provide safe ingress and egress to the Mariner's Point and North Coast Calvary Chapel developments.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction (Reimb.)	$105,000	GCC
Total Cost =	**$105,000**	

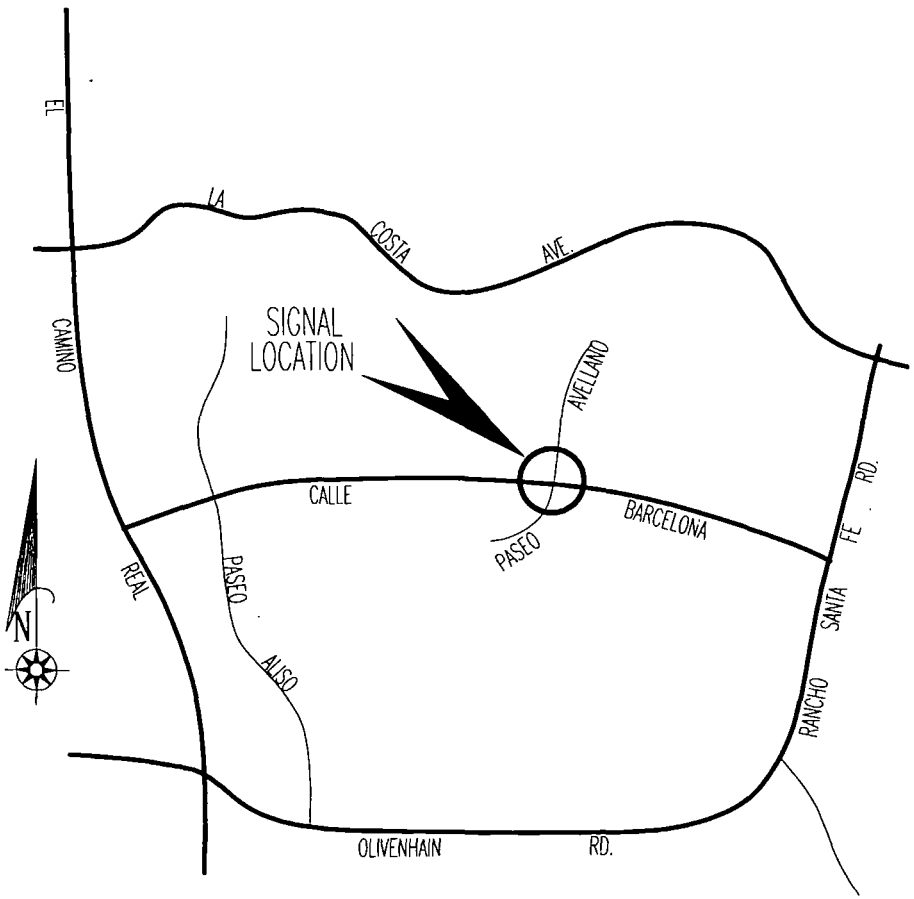
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – CALLE BARCELONA AND PASEO AVELLANO

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Calle Barcelona and Paseo Avellano.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

A Caltrans traffic signal warrant has been met. The intersection is listed on the Traffic Signal Qualification List of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at this intersection.

FINANCING:

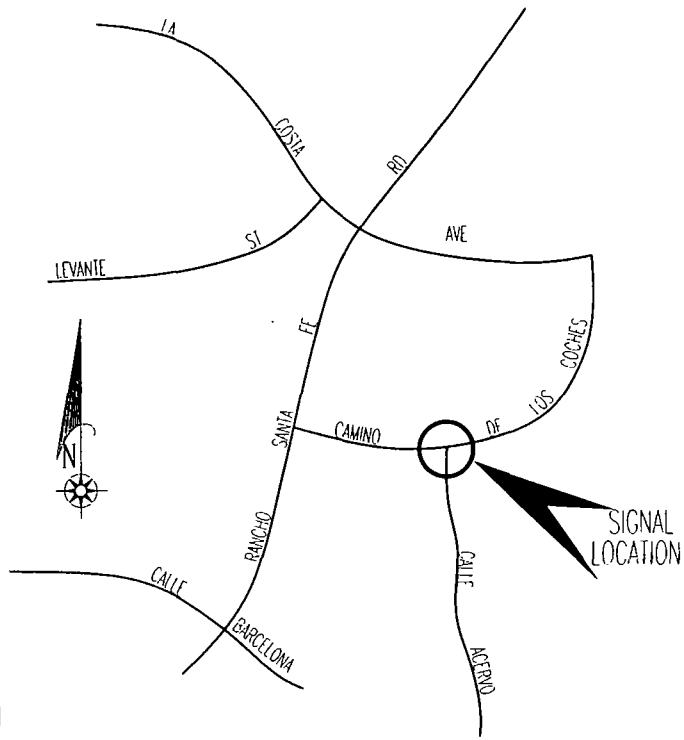
Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$190,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$210,000**	

CAPITAL PROJECT DESCRIPTION

39161
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – CAMINO DE LOS COCHES AND CALLE ACERVO
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Camino De Los Coches and Calle Acervo.

PROJECT DESCRIPTION:

Installation of a three-leg, fully-actuated traffic signal, including a Type 170E controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers at Camino De Los Coches and La Costa Canyon High School Driveway and Camino De Los Coches and Rancho Santa Fe Road.

PROJECT NEED:

This intersection meets two of the eleven Caltrans Traffic Signal Warrants (Warrant #9, Four Hour Volume, and Warrant #11, Peak Hour Volume). There have been four accidents in a 12-month period ending March 2003. Caltrans considers five accidents or more during a 12-month period to be significant.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$161,000	GCC
Admin/Inspection	$21,000	GCC
Total Cost =	**$190,000**	

Annual Operating Cost = $5,000

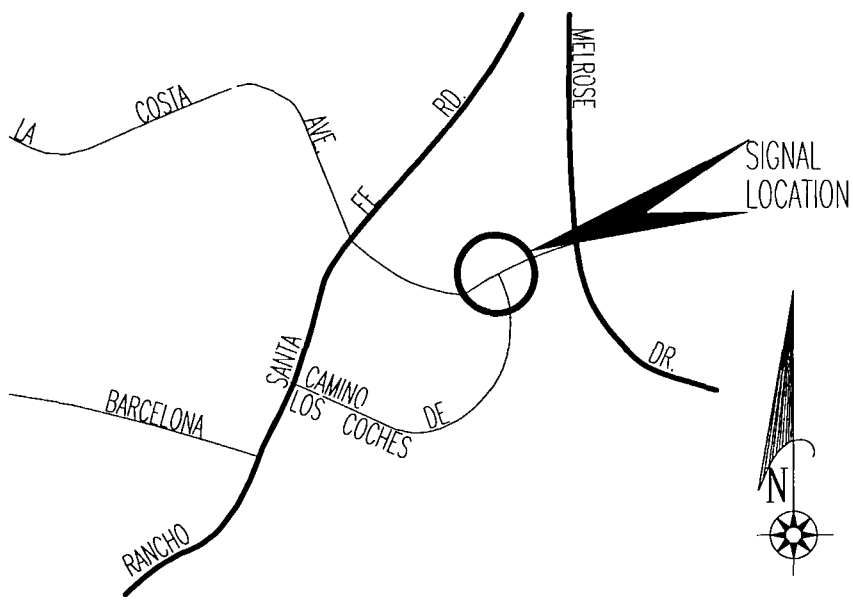
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CAMINO DE LOS COCHES AND LA COSTA AVENUE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Camino de los Coches and La Costa Avenue.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. Installation will occur when traffic signal warrants are met. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$165,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$185,000**	

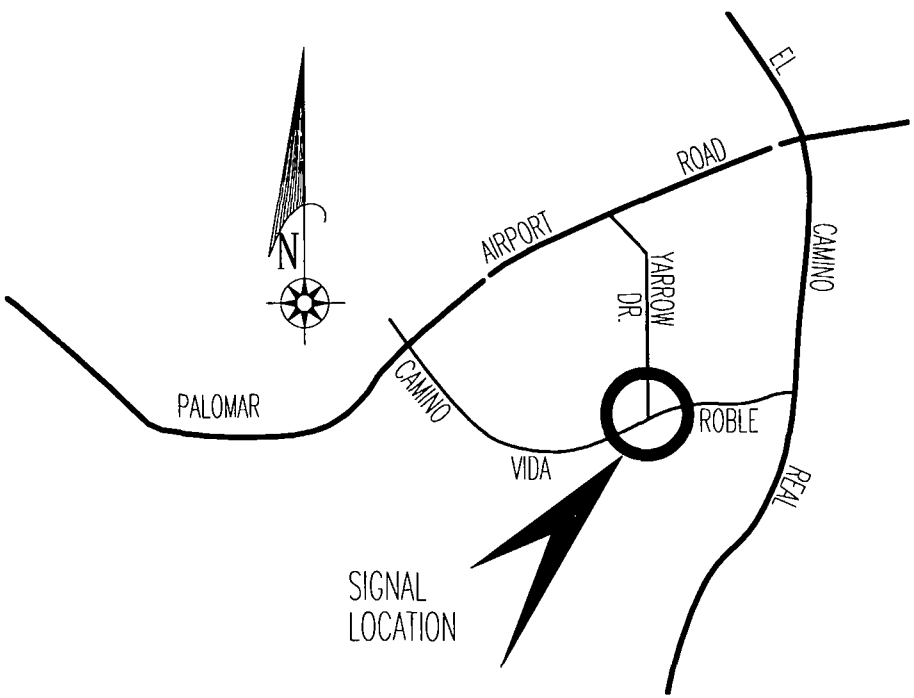
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CAMINO VIDA ROBLE AND YARROW DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Camino Vida Roble and Yarrow Drive.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards and traffic signal warrants. Installation will occur when traffic signal warrants are met. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$165,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$185,000**	

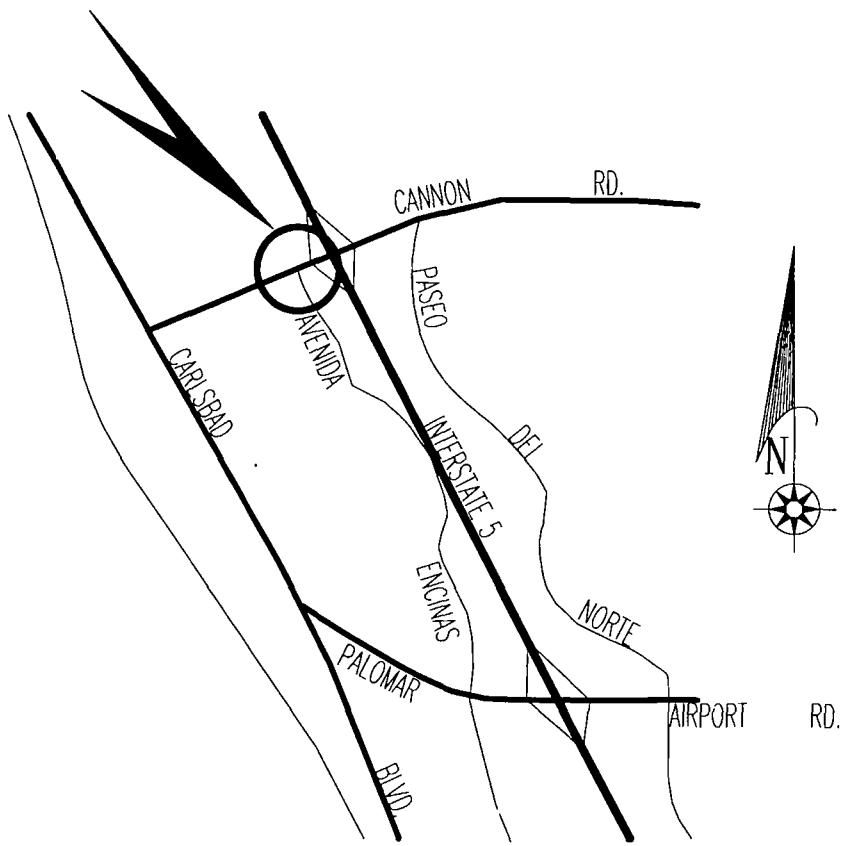
CAPITAL PROJECT DESCRIPTION

39021
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CANNON ROAD AND AVENIDA ENCINAS

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Cannon Road and Avenida Encinas, immediately west of Interstate 5.

PROJECT DESCRIPTION:

Installation of a 5-phase, fully actuated traffic signal, including a Type 170 controller, 176 intersection control program and minor intersection improvements.

PROJECT NEED:

Needed to comply with Growth Management Standards. Installation will occur when traffic signal warrants are met.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$150,000	PFF
Total Cost =	**$150,000**	

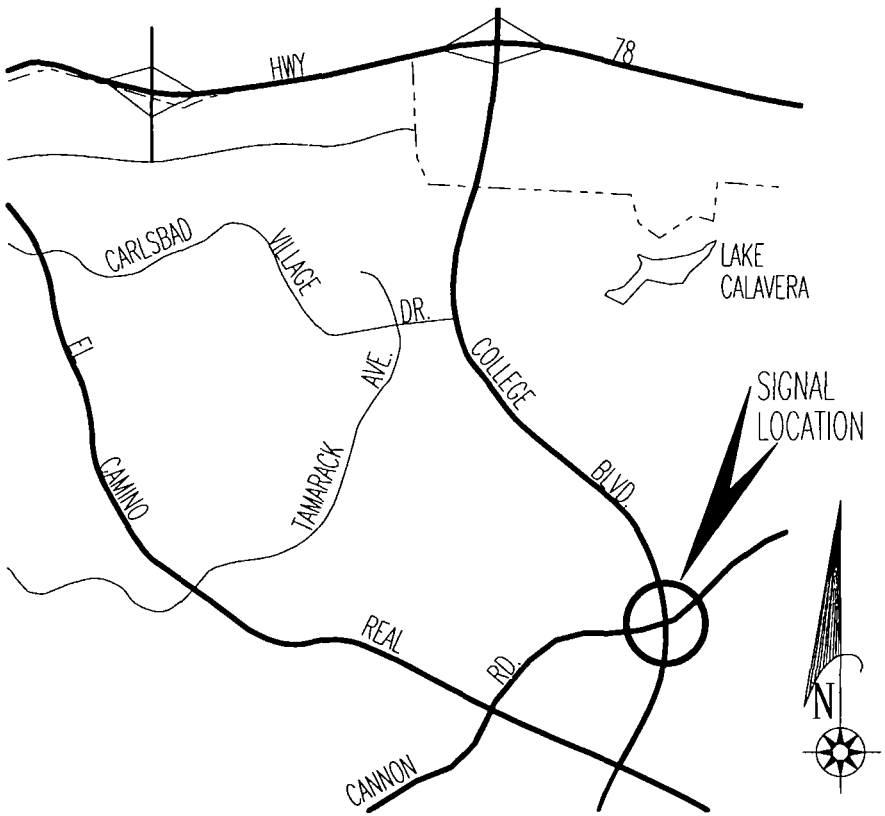
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CANNON ROAD AND COLLEGE BOULEVARD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Cannon Road and College Boulevard.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. Installation will occur when traffic signal warrants are met. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$190,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$210,000**	

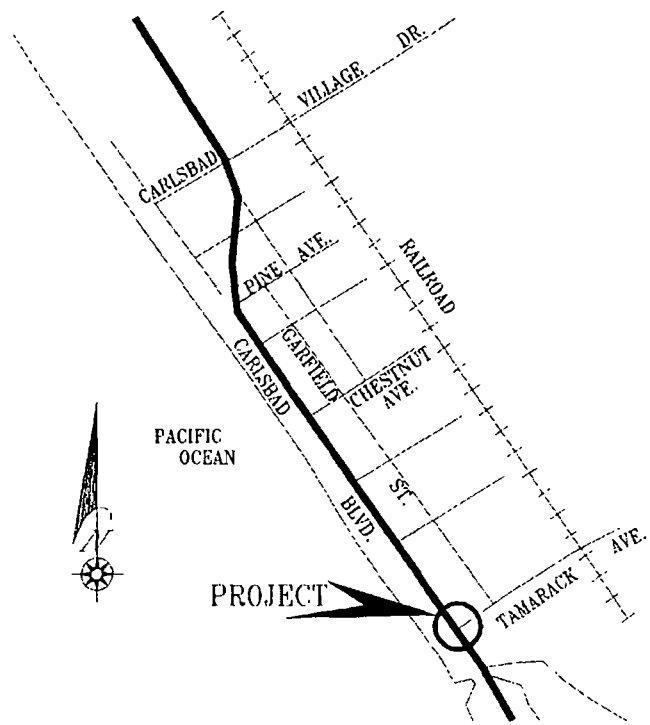
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CARLSBAD BOULEVARD AND TAMARACK AVENUE SIGNAL REPAIRS

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Carlsbad Boulevard and Tamarack Avenue.

PROJECT DESCRIPTION:

Remove and replace all traffic signal equipment including signal controller/cabinet, signal poles and mast arms, vehicle and signal indications, conduit and conductors. Existing electrical service cabinet is adequate and does not need to be replaced. Install video detection and UPS battery back-up systems.

PROJECT NEED:

Due to age of equipment and proximity to ocean, the existing signal equipment is badly corroded and in need of replacement. Underground conduit is corroded and overfilled, making repair/maintenance work difficult.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$5,000	IRF
Construction	$201,500	IRF
Admin/Inspection	$23,500	IRF
Total Cost =	**$230,000**	

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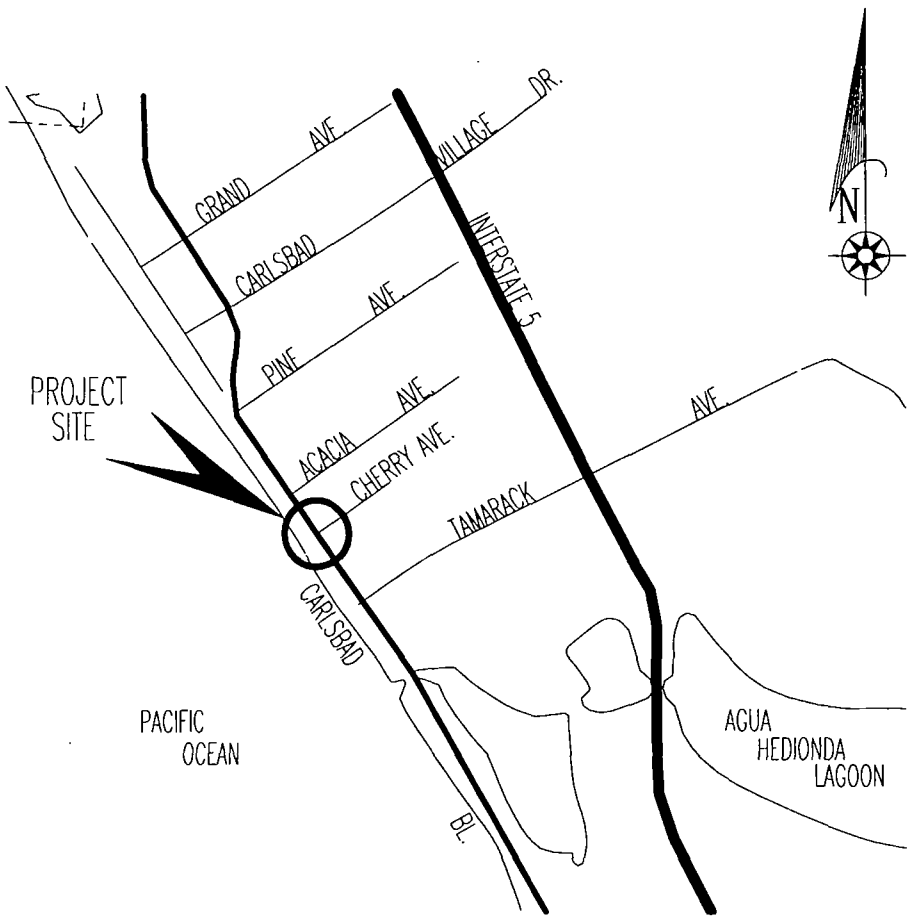
CAPITAL PROJECT DESCRIPTION

38461
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CARLSBAD BOULEVARD AND CHERRY AVENUE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Carlsbad Boulevard and Cherry Avenue.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans traffic signal warrants have been met. The intersection is listed on the qualification list of the City's Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$165,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$185,000**	

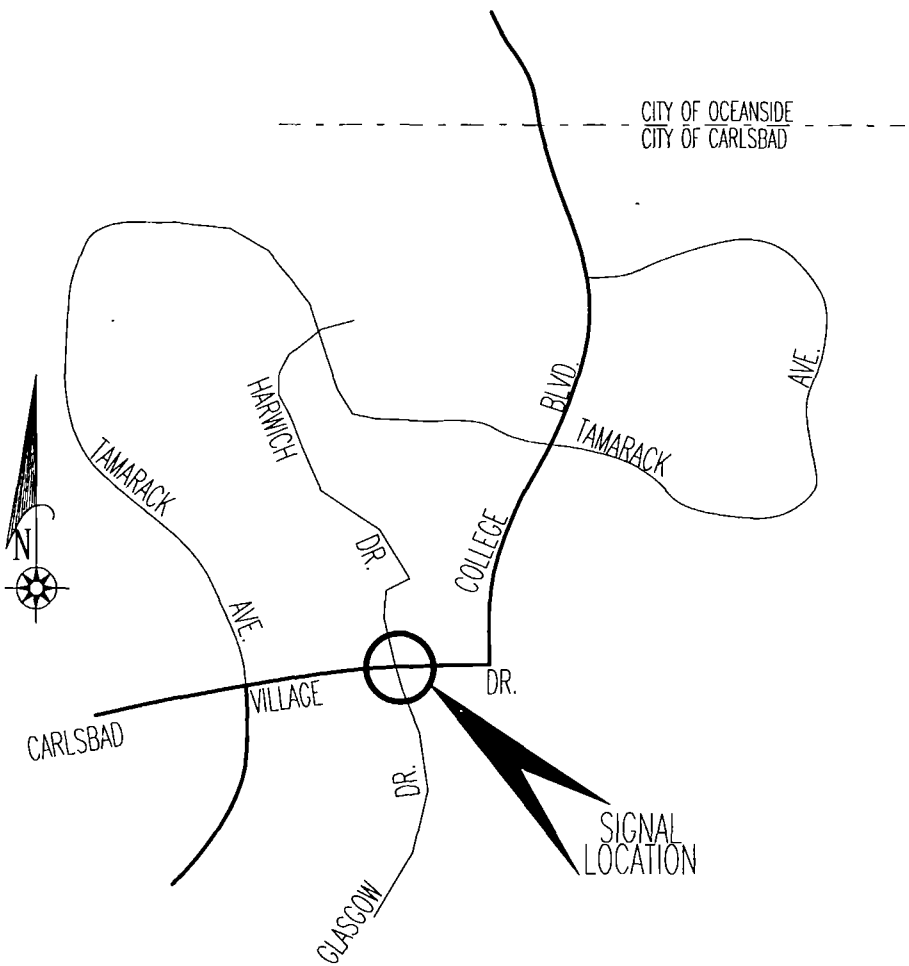
CAPITAL PROJECT DESCRIPTION

39171
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - CARLSBAD VILLAGE DRIVE AND GLASGOW DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Carlsbad Village Drive and Glasgow Drive.

PROJECT DESCRIPTION:

Installation of a four-leg, fully-actuated traffic signal, including a Type 170E controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers at Carlsbad Village Drive (CVD) and Tamarack Avenue and Carlsbad Village Drive and College Boulevard.

PROJECT NEED:

The adjacent intersection to the west (CVD/Tamarack) is currently signalized and the adjacent intersection to the east (CVD/College) will be signalized upon the completion of College Boulevard south of CVD. Due to the increase in vehicular volume, Caltrans Traffic Signal Warrant #7 (Systems Warrant) is projected to be satisfied after the aforementioned extension of College Boulevard.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$180,000	GCC
Admin/Inspection	$22,000	GCC
Total Cost =	**$210,000**	

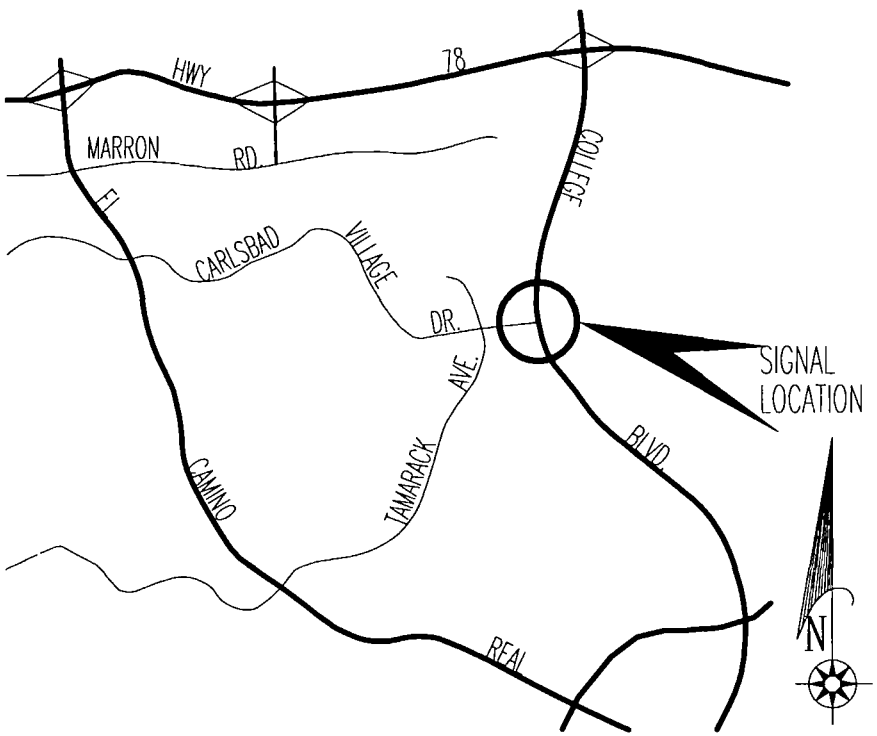
Annual Operating Cost: $5,000

CAPITAL PROJECT DESCRIPTION

CIRCULATION SYSTEM TRAFFIC SIGNALS - COLLEGE BOULEVARD AND CARLSBAD VILLAGE DRIVE
PROJECT NAME

NONE
PROJECT NO.

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of College Boulevard and Carlsbad Village Drive.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. Installation will occur when traffic signal warrants are met. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$190,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$210,000**	

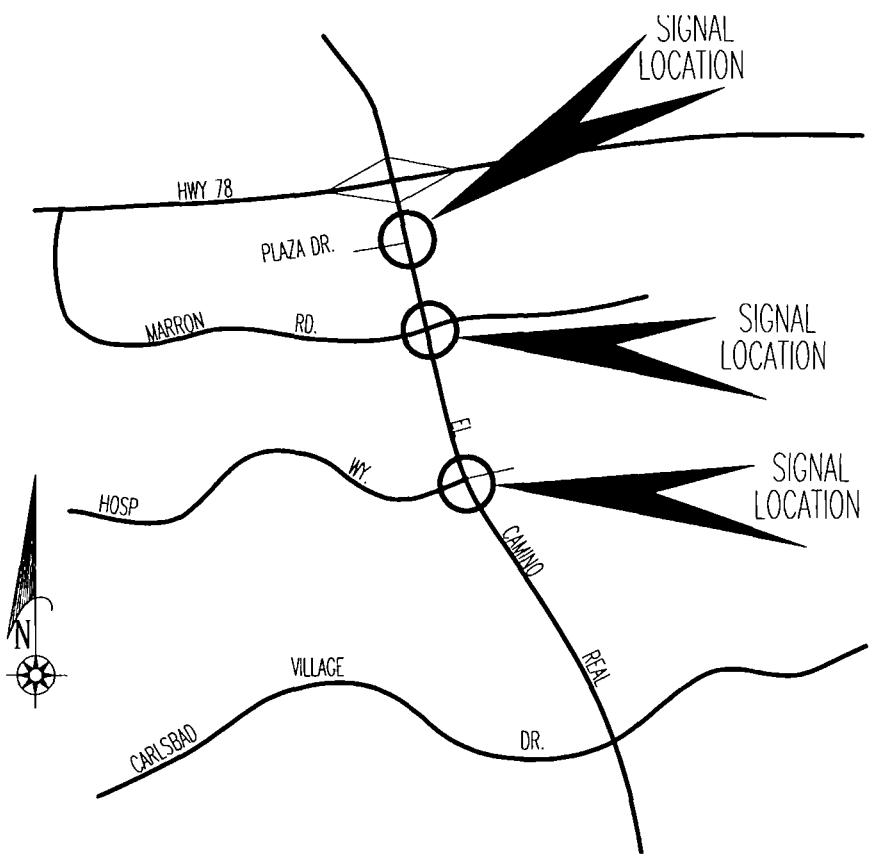
CAPITAL PROJECT DESCRIPTION

38991
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – EL CAMINO REAL / PLAZA DRIVE / MARRON ROAD / HOSP WAY

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Signalized intersections of El Camino Real and Plaza Drive, El Camino Real and Marron Road, and El Camino Real and Hosp Way.

PROJECT DESCRIPTION:

Design and rebuild existing signalized intersections to include all signal appurtenances and to meet ADA requirements. Repair concrete and rebuild a portion of Marron Road east of El Camino Real.

PROJECT NEED:

Underground signal facilities at this location have deteriorated to the point where conductors can no longer be pulled through the system. This project will reduce the need for future maintenance and restore the ability for maintenance crews to make future repairs should equipment become damaged or malfunction. Pull boxes and signal poles require location for installation of ADA pedestrian ramps. Replacing a cross-gutter in Marron Road will improve the driving conditions.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$70,000	TransNet-Local
Construction	$1,241,000	TransNet-Local
Total Cost =	**$1,311,000**	

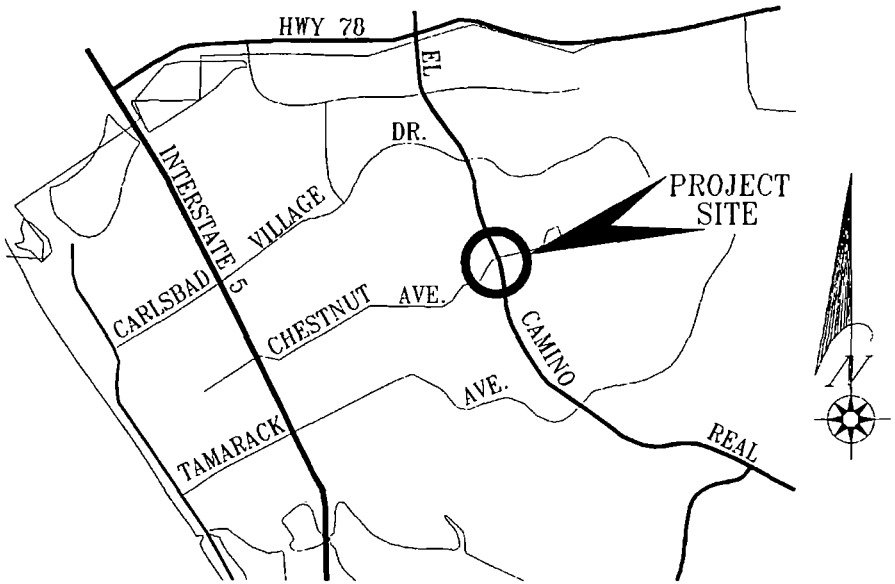
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - EL CAMINO REAL AND CHESTNUT AVENUE SIGNAL REPAIRS

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

El Camino Real and Chestnut Avenue.

PROJECT DESCRIPTION:

Remove and replace all traffic signal equipment including signal controller/cabinet, electrical service enclosure, vehicle and signal indications, conduit and conductors. Install video detection and UPS battery back-up systems. Minor sidewalk repairs on northeast (including retaining wall) and southeast corners to provide minimum pedestrian clearance per ADA requirements. Existing poles/mast arms to remain.

PROJECT NEED:

Due to age of equipment, the existing signal equipment is badly corroded and in need of replacement. Underground conduit is corroded and overfilled, making repair/maintenance work difficult and also needs to be replaced.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$20,000	IRF
Construction	$167,500	IRF
Admin/Inspection	$18,500	IRF
Total Cost =	**$206,000**	

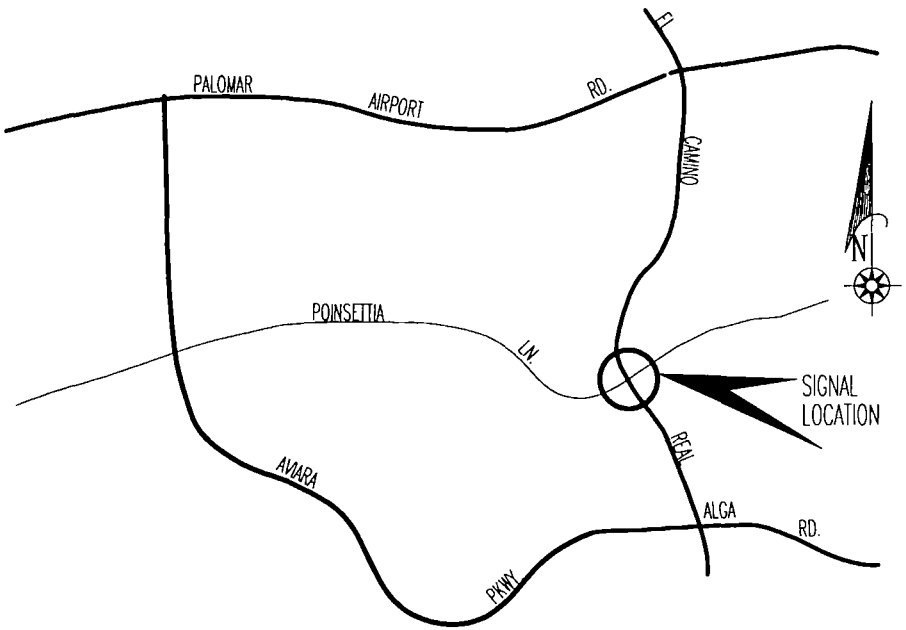
CAPITAL PROJECT DESCRIPTION

38001
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - EL CAMINO REAL AND POINSETTIA LANE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of El Camino Real and Poinsettia Lane.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$180,000	PFF
Admin/Inspection	$16,250	PFF
Total Cost =	**$204,250**	

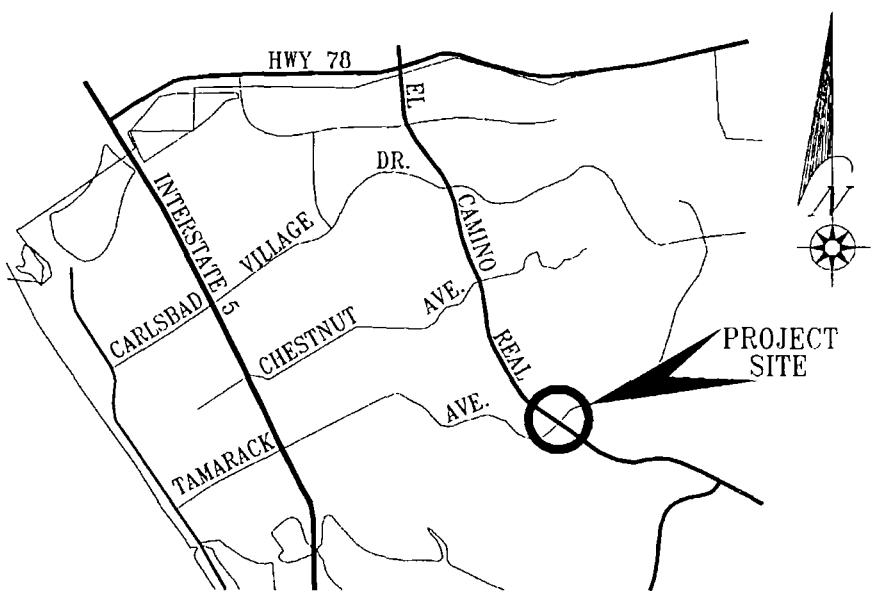
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – EL CAMINO REAL AND TAMARACK AVENUE SIGNAL REPAIRS

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

El Camino Real and Tamarack Avenue.

PROJECT DESCRIPTION:

Remove and replace all underground conduit, conductors and pull boxes. Install video detection system and UPS battery back-up system.

PROJECT NEED:

Due to age of equipment, underground conduit is corroded and overfilled, making repairs/maintenance work difficult. Video detection and battery back-up system will be installed to bring signal operations up-to-date.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$4,000	IRF
Construction	$122,400	IRF
Admin/Inspection	$14,600	IRF
Total Cost =	**$141,000**	

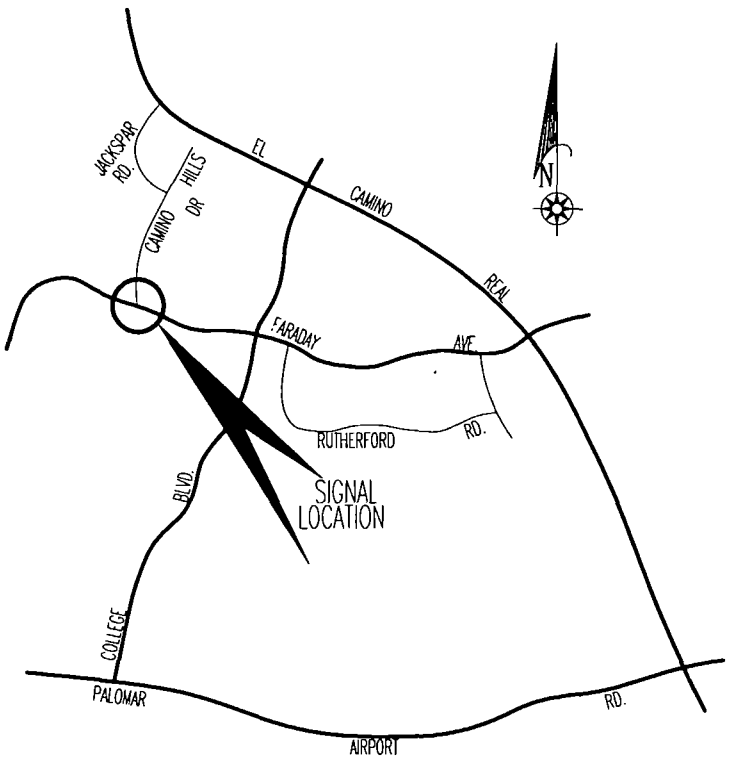
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – FARADAY AVENUE AND CAMINO HILLS DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Faraday Avenue and Camino Hills Drive.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

A Caltrans traffic signal warrant has been met. The intersection is listed on the Traffic Signal Qualification List of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at this intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$165,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$185,000**	

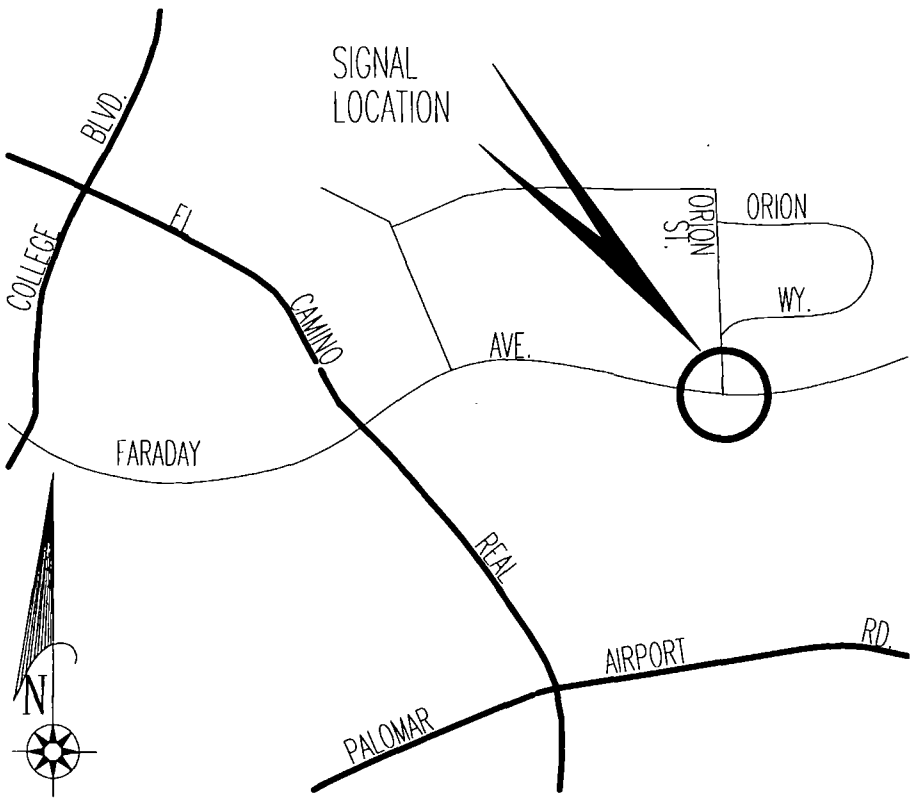
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - FARADAY AVENUE AND ORION STREET

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of the above named streets.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	TIF
Construction	$190,000	TIF
Admin/Inspection	$12,000	TIF
Total Cost =	**$210,000**	

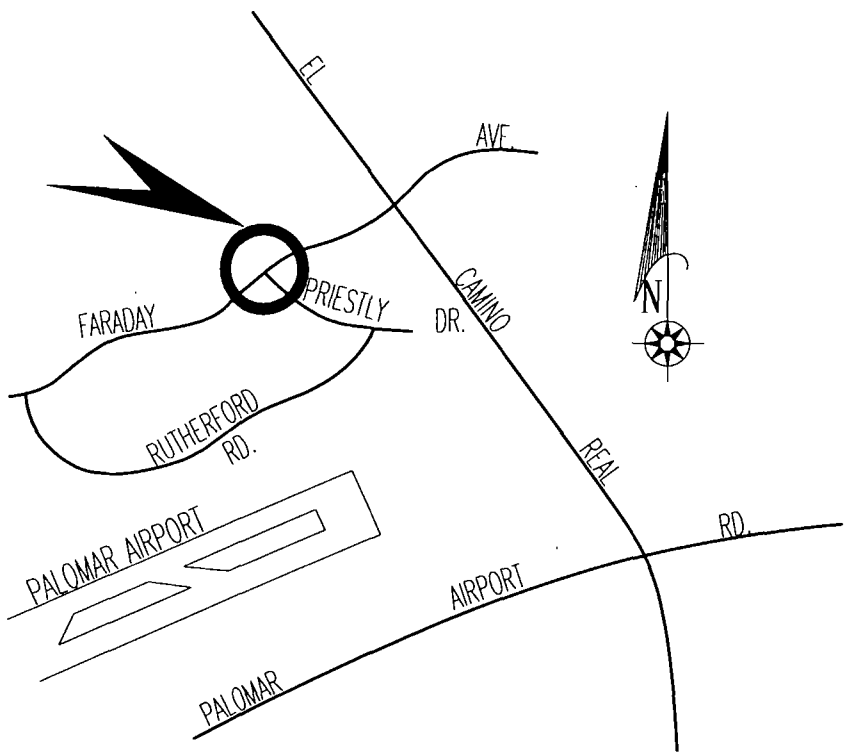
CAPITAL PROJECT DESCRIPTION

36211
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - FARADAY AVENUE AND PRIESTLY DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Faraday Avenue and Priestly Drive.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans signal warrants have been met. The intersection is listed on the qualification list of the City's Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	Gas Tax
Construction	$180,000	Gas Tax
Admin/Inspection	$22,000	Gas Tax
Total Cost =	**$210,000**	

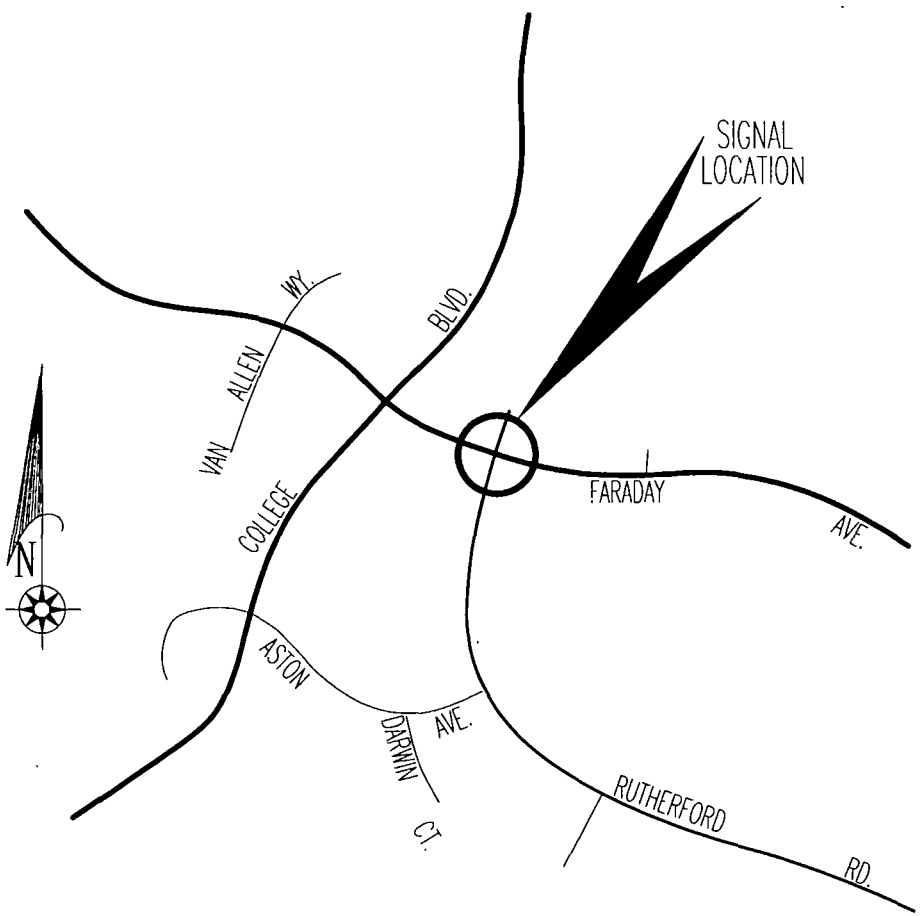
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - FARADAY AVENUE AND RUTHERFORD ROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Faraday Avenue and Rutherford Road.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans traffic signal warrants have been met. The intersection is listed on the qualification list of the City's Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$165,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$185,000**	

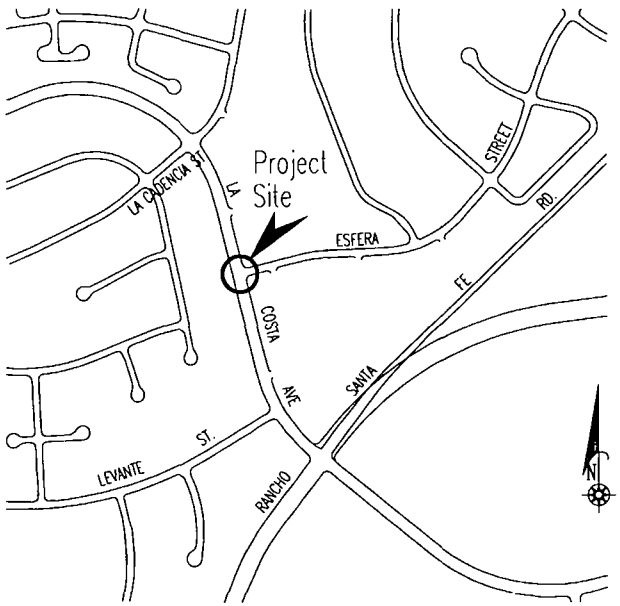
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – LA COSTA AVENUE AND ESFERA STREET

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

La Costa Avenue and Esfera Street.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$170,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$190,000**	

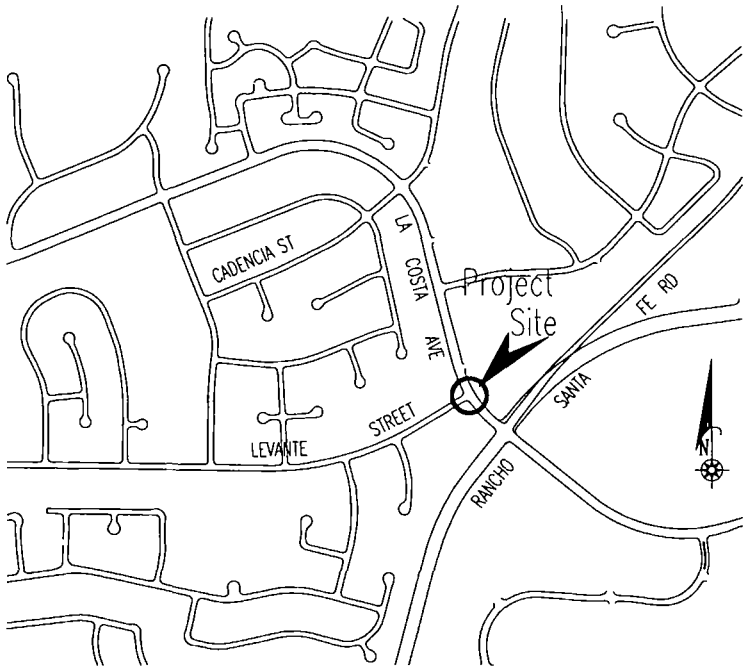
CAPITAL PROJECT DESCRIPTION

39381
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – LA COSTA AVENUE AND LEVANTE STREET

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

La Costa Avenue and Levante Street.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

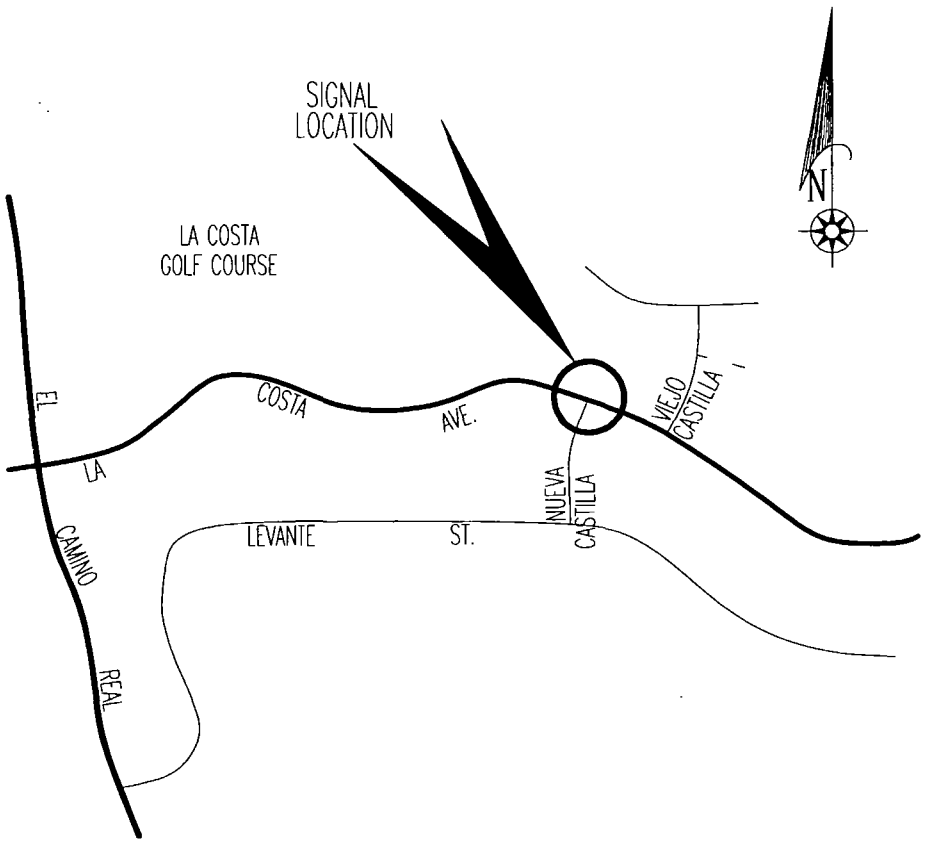
Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$180,000	GCC
Admin/Inspection	$22,000	GCC
Total Cost =	**$210,000**	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - LA COSTA AVENUE AND NUEVA CASTILLA WAY
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of La Costa Avenue and Nueva Castilla Way.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans traffic signal warrants have been met. The intersection is listed on the qualification list of the City's Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$165,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$185,000**	

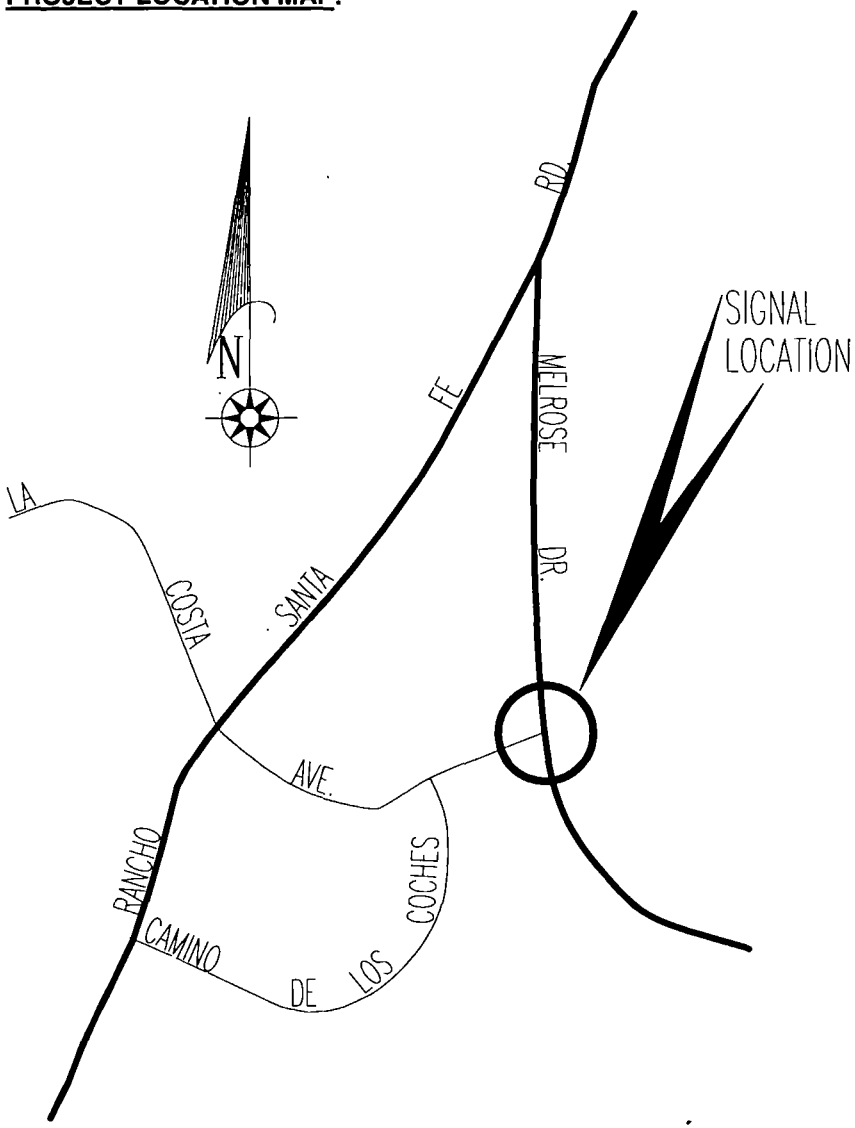
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - MELROSE DRIVE AND LA COSTA AVENUE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Melrose Drive and La Costa Avenue.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

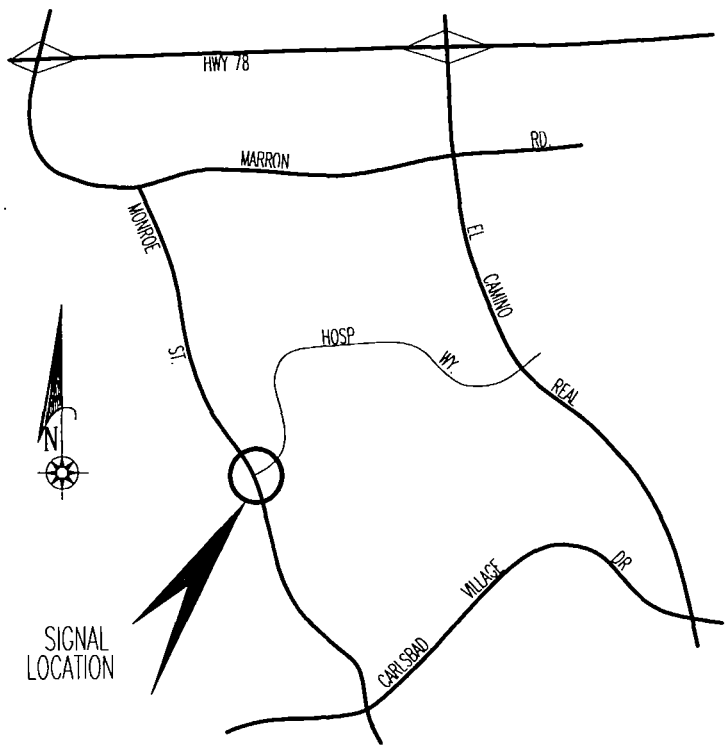
Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$165,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$185,000**	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – MONROE STREET AND HOSP WAY
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Monroe Street and Hosp Way.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

A Caltrans traffic signal warrant has been met. The intersection is listed on the Traffic Signal Qualification List of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at this intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$190,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$210,000**	

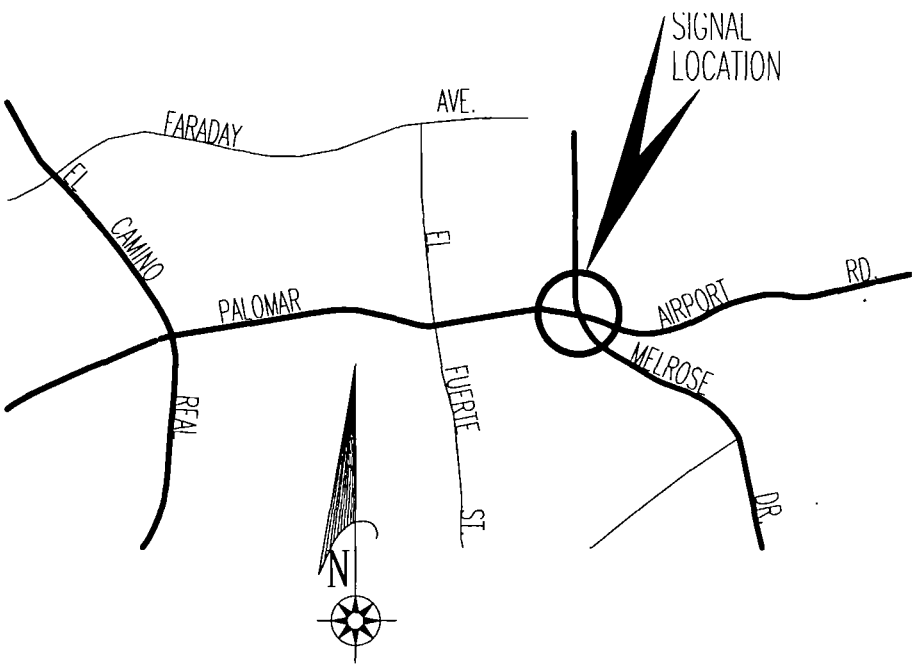
CAPITAL PROJECT DESCRIPTION

36441
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - PALOMAR AIRPORT ROAD AND MELROSE DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Palomar Airport Road and Melrose Drive.

PROJECT DESCRIPTION:

Installation of an 8-phase, fully actuated traffic signal, including a Type 170 controller and 176 intersection control program. Modify existing traffic signal to accommodate construction of north leg of Melrose Avenue.

PROJECT NEED:

Needed to comply with Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$200,000	PFF
Admin/Inspection	$50,000	PFF
Total Cost =	**$250,000**	

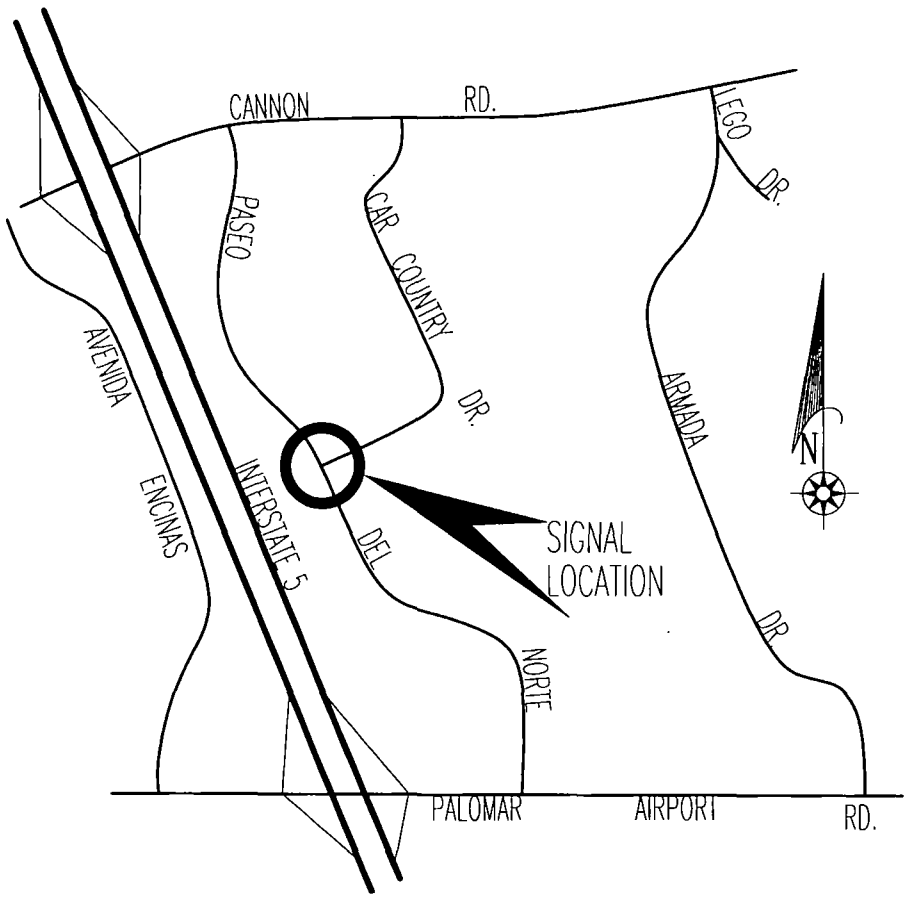
CAPITAL PROJECT DESCRIPTION

39351
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - PASEO DEL NORTE AND CAR COUNTRY DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Paseo Del Norte and Car Country Drive.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans signal warrants have been met. The intersection is listed on the qualification list of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	Gas Tax
Construction	$180,000	Gas Tax
Admin/Inspection	$22,000	Gas Tax
Total Cost =	**$210,000**	

Annual Operating Cost: = $5,000

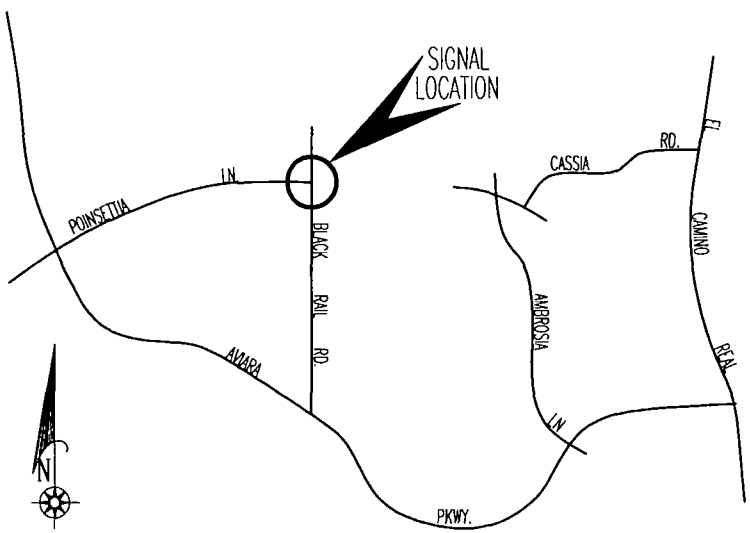
CAPITAL PROJECT DESCRIPTION

39391
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – POINSETTIA LANE AND BLACK RAIL ROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Poinsettia Lane and Black Rail Road.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers at Poinsettia Lane and Aviara Parkway and Poinsettia Lane and Ambrosia Lane.

PROJECT NEED:

Future traffic on Poinsettia Lane will increase once the roadway extends from its current terminus at Black Rail Road eastward to El Camino Real, thereby necessitating the installation of a traffic signal at this location. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$180,000	GCC
Admin/Inspection	$22,000	GCC
Total Cost =	**$210,000**	

Annual Operating Cost: = $5,000

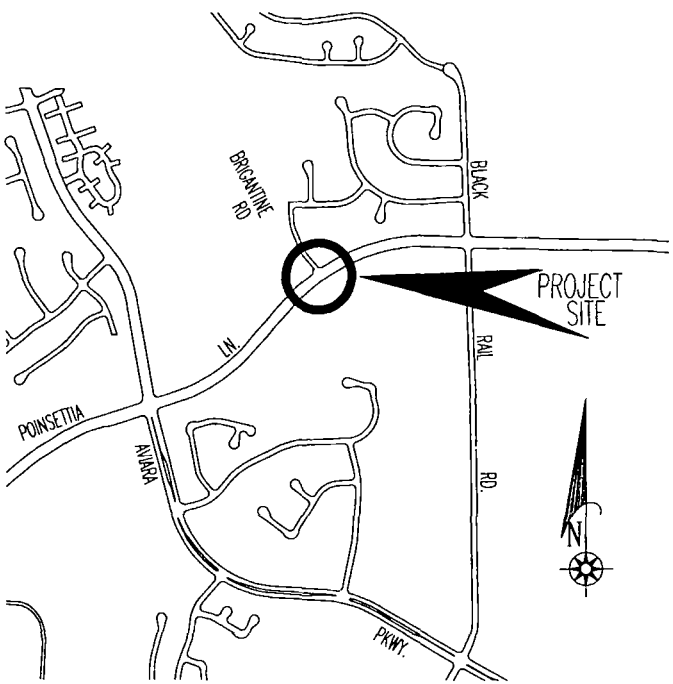
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - POINSETTIA LANE AND BRIGANTINE ROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Poinsettia Lane and Brigantine Road.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Required to accommodate the safe and efficient flow of traffic from Brigantine Drive onto Poinsettia Lane which is classified as a major arterial in the City's Circulation Element. The need for the signal is created by the development of adjacent properties. Early developing properties which do not trigger the construction of the signal are required to contribute a fair share contribution of the total cost to install the traffic signal.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$165,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$185,000**	

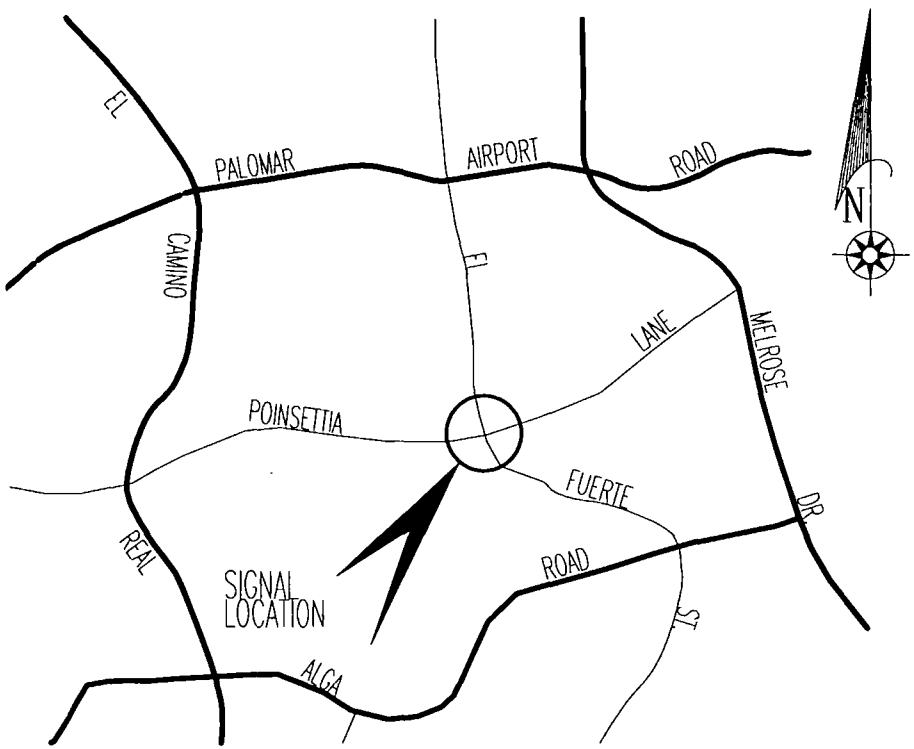
CAPITAL PROJECT DESCRIPTION

39461
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - POINSETTIA LANE AND EL FUERTE STREET

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Poinsettia Lane and El Fuerte Street.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$180,000	PFF
Admin/Inspection	$22,000	PFF
Total Cost =	**$210,000**	

Annual Operating Cost: = $5,000

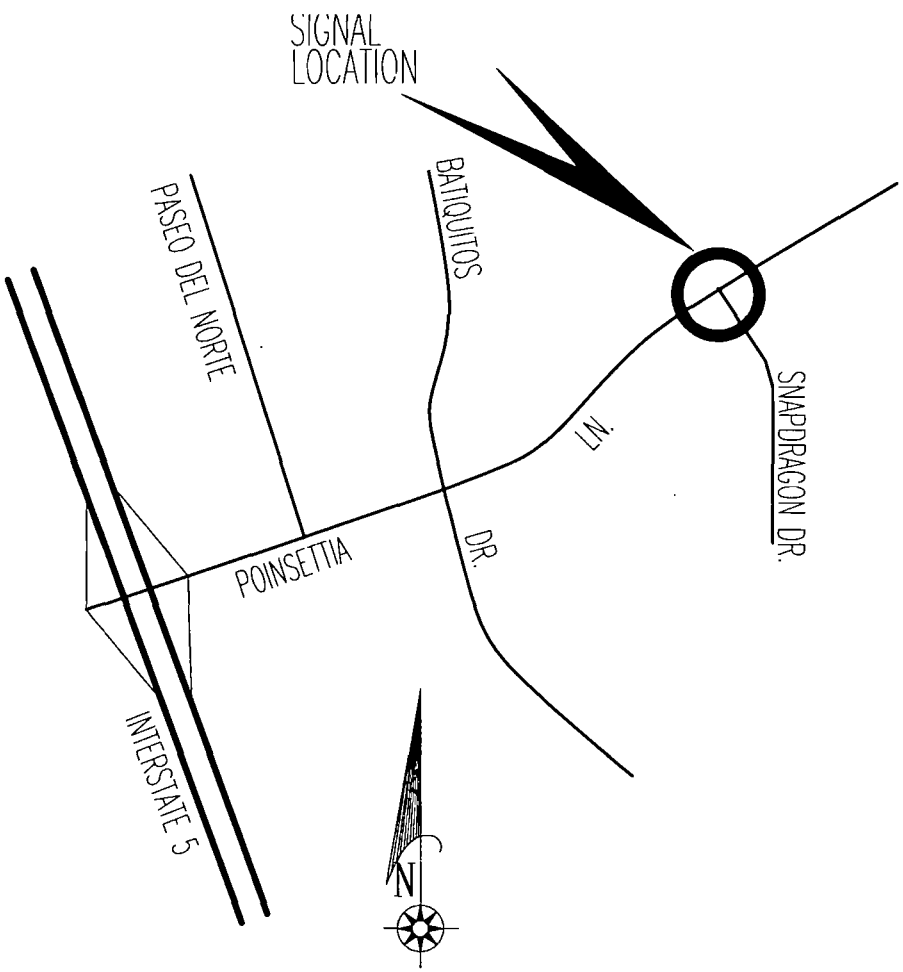
CAPITAL PROJECT DESCRIPTION

38821
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - POINSETTIA LANE AND SNAPDRAGON DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Poinsettia Lane and Snapdragon Drive.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Caltrans signal warrants have been met. The intersection is listed on the qualification list of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	Gas Tax
Construction	$170,000	Gas Tax
Admin/Inspection	$12,000	Gas Tax
Total Cost =	**$190,000**	

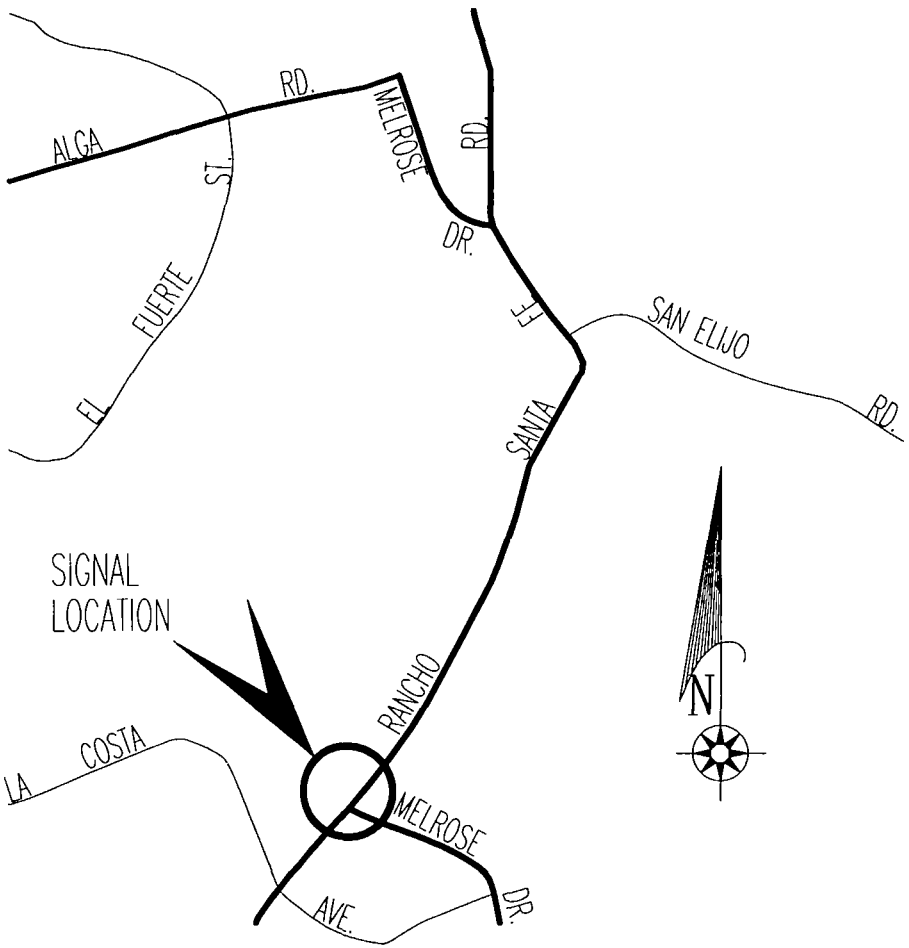
Annual Operating Cost: = $5,000

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - RANCHO SANTA FE ROAD AND CALLE JUNIPERO (FORMERLY MELROSE DRIVE SOUTH)
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Rancho Santa Fe Road and future Calle Junipero, formerly Melrose Drive South.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to comply with Growth Management Standards. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

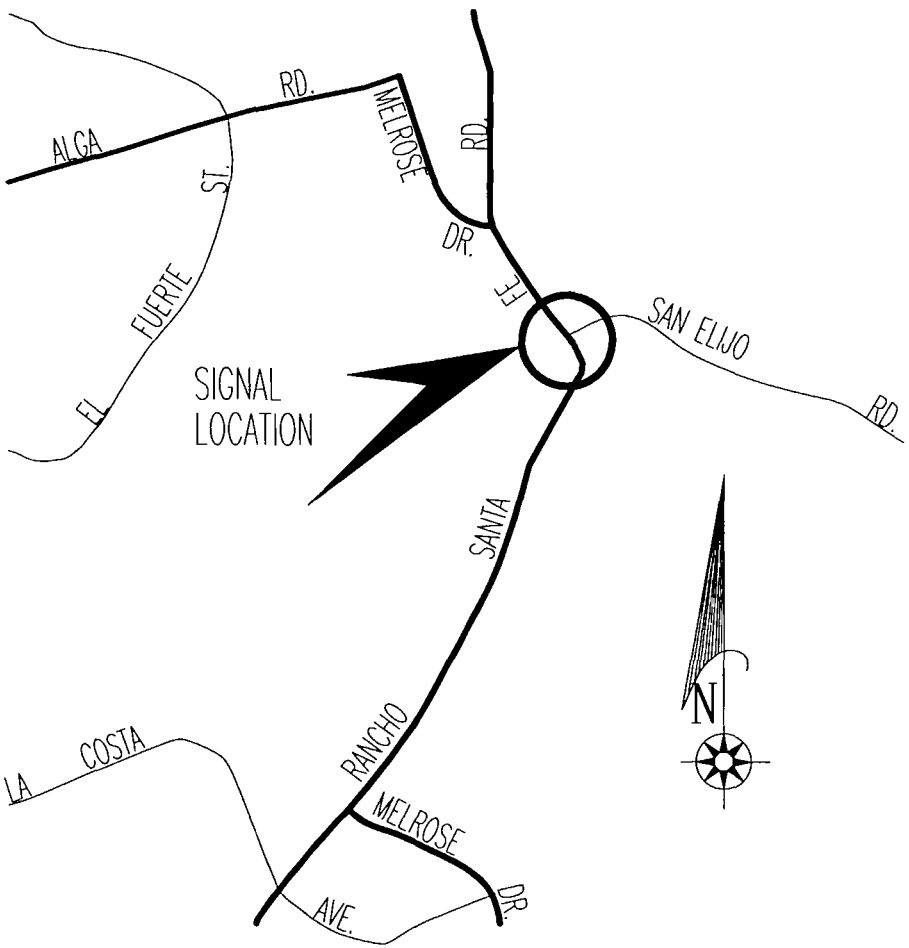
Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$190,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$210,000**	

CAPITAL PROJECT DESCRIPTION

34061
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - RANCHO SANTA FE ROAD AND SAN ELIJO ROAD (FORMERLY QUESTHAVEN ROAD)
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Rancho Santa Fe Road and San Elijo Road, formerly Questhaven Road.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

The City of San Marcos is responsible for 1/3 share of this signal. Staff will pursue a cost sharing agreement with the City of San Marcos.

PROJECT NEED:

Needed to comply with Growth Management Standards. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$125,000	GCC
Total Cost =	**$125,000**	

RSFQUEST

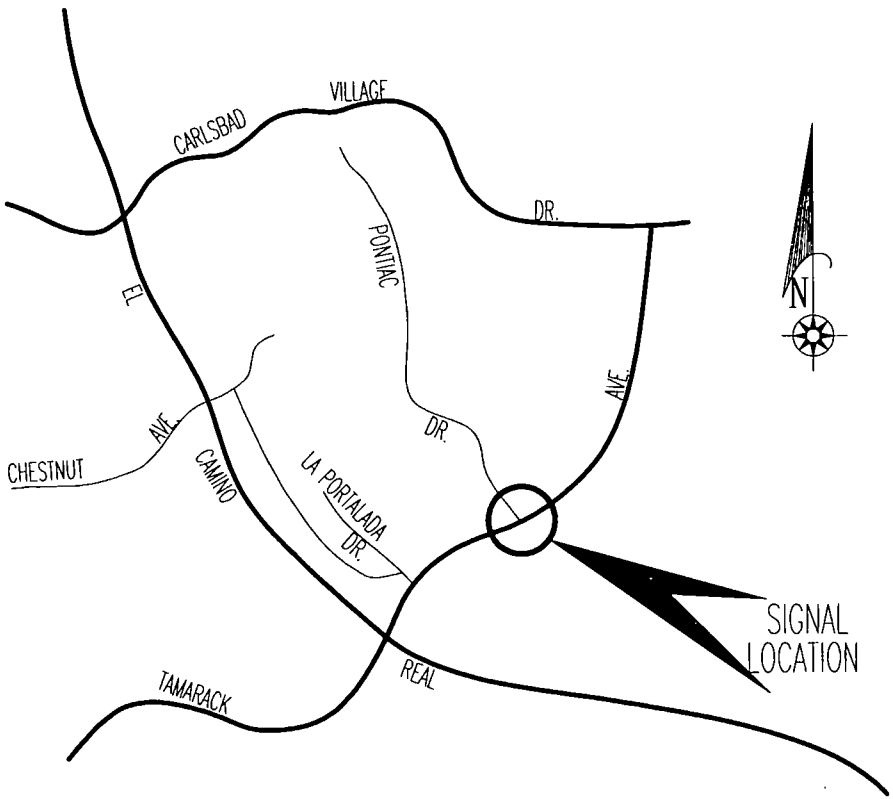
CAPITAL PROJECT DESCRIPTION

39401
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – TAMARACK AVENUE AND PONTIAC DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Tamarack Avenue and Pontiac Drive.

PROJECT DESCRIPTION:

Installation of a three-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

A Caltrans traffic signal warrant has been met. The intersection is listed on the Traffic Signal Qualification List of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at this intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$180,000	GCC
Admin/Inspection	$22,000	GCC
Total Cost =	**$210,000**	

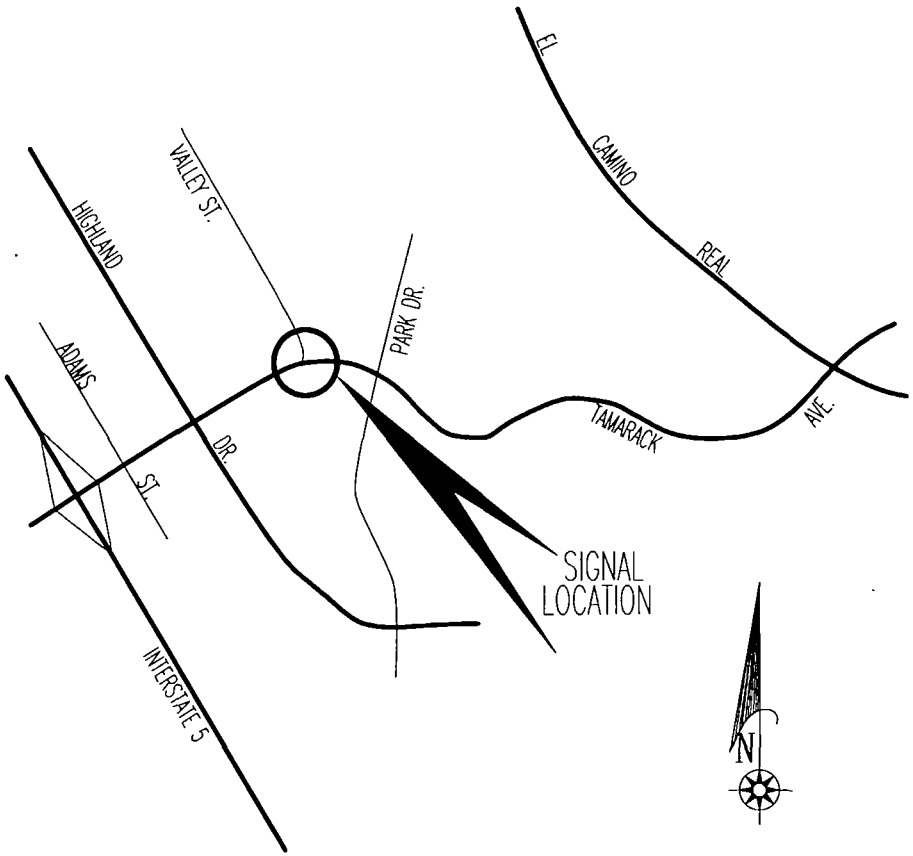
Annual Operating Cost = $5,000

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – TAMARACK AVENUE AND VALLEY STREET
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Tamarack Avenue and Valley Street.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

A Caltrans traffic signal warrant has been met. The intersection is listed on the Traffic Signal Qualification List of the City's 2004 Traffic Signal Evaluation Policy. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at this intersection. This is an elementary school pedestrian crossing.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	GCC
Construction	$165,000	GCC
Admin/Inspection	$12,000	GCC
Total Cost =	**$185,000**	

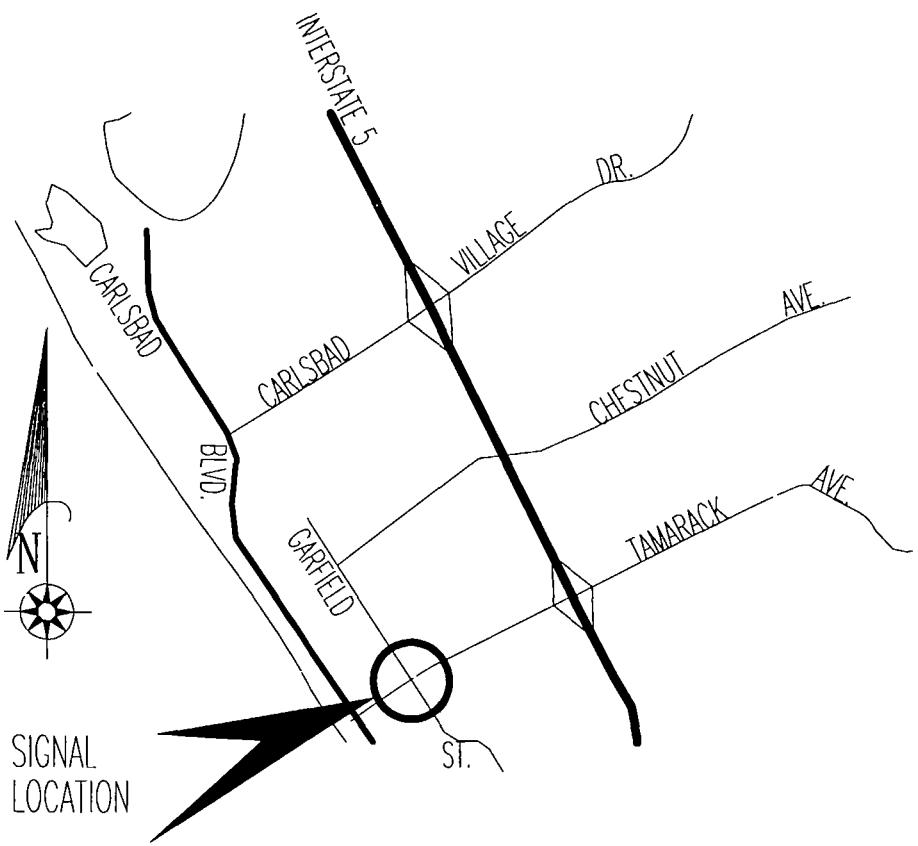
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS - TAMARACK AVENUE AND GARFIELD STREET

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Tamarack Avenue and Garfield Street.

PROJECT DESCRIPTION:

Installation of a four-leg, fully actuated traffic signal, including a type 170 controller, 200SA local intersection control program, video detection, battery back-up system, appurtenant signing and striping, and signal interconnect to adjacent controllers.

PROJECT NEED:

Needed to meet Growth Management Standards and future traffic signal warrants. The installation of this traffic signal will assign the right-of-way for both motorists and pedestrians entering and crossing at the intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$8,000	PFF
Construction	$190,000	PFF
Admin/Inspection	$12,000	PFF
Total Cost =	**$210,000**	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM TRAFFIC SIGNALS – VIDEO DETECTION CONVERSION
PROJECT NAME

PROJECT LOCATION MAP:

N/A

PROJECT LOCATION:

Citywide.

PROJECT DESCRIPTION:

Convert existing traffic signal with video detection equipment along streets included in the Pavement Management Program projects.

PROJECT NEED:

Traffic signals are being converted to Video Detection to minimize impacts during future construction projects and to eliminate the cost associated with future loop replacements.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$1,850,000	Gas Tax
Total Cost =	**$1,850,000**	

STREET PROJECTS

FUNDING MATRIX FOR STREET PROJECTS

PROJ NO.	PROJECT TITLE	FUNDING SOURCE	TOTAL BUDGET	FUTURE YEAR BUDGET AMOUNTS YEAR 1 2005-2006	YEAR 2 2006-2007	YEAR 3 2007-2008	YEAR 4 2008-2009	YEAR 5 2009-2010	YEAR 6-10 2010-2015	BUILDOUT 2015-2020
	AVENIDA ENCINAS WIDENING - SOUTH OF PALOMAR AIRPORT ROAD	TIF	983,000						983,000	
39221	BTD#2/POINSETTIA LANE - REACH E (PARTIAL FUNDING)	BTD#2	9,450,000							9,100,000
	BTD#2/POINSETTIA LANE - REACHES A,B,C,F,G & AVIARA PKWY REIMB	BTD#2	1,320,729							1,320,729
31842	BTD#3 CANNON ROAD - FROST TO FARADAY (REIMB.)	BTD#3	6,260,226		600,000					400,000
38141	CANNON ROAD REACH 4B	TRANSNET-HWY	1,761,000							
39471	CARLSBAD BLVD. AT BREAKWATER ROAD - LEFT TURN LANE	REDVL SCCRDA	243,150							
38541	CARLSBAD BLVD. AT STATE ST - INTERSECTION ENHANCEMENT DESIGN	GCC	105,000							
	CARLSBAD BLVD. AT STATE ST - INTERSECTION ENHANCEMENT DESIGN	REDVL VILLAGE	100,000	100,000						
39191	CARLSBAD BOULEVARD ENCINAS CREEK BRIDGE REPLACEMENT	REDVL SCCRDA	41,453							
	CARLSBAD BOULEVARD ENCINAS CREEK BRIDGE REPLACEMENT	FED GRNT	1,804,000			1,804,000				
	CARLSBAD BOULEVARD MEDIAN-TAMARACK AVENUE TO PINE AVENUE	PFF	1,398,000							1,398,000
35571	CARLSBAD BOULEVARD RETROFIT OVER SDNR	TRANSNET-LOC	1,100,000							
	CARLSBAD BOULEVARD WIDENING - CANNON TO MANZANO	TIF	2,260,000							2,260,000
	CARLSBAD VILLAGE DRIVE WIDENING	TIF	1,423,000							1,423,000
36362	COLLEGE BLVD REACH A AND CANNON REACH 4A	OTHER	1,713,000	1,308,000						
38791	COLLEGE/CANNON ASSESSMENT DISTRICT	OTHER	10,314,481							
	EL CAMINO REAL AND CARLSBAD VILLAGE DRIVE	TIF	320,000						320,000	
36071	EL CAMINO REAL AND FARADAY AVENUE	TIF	881,000	708,430						
	EL CAMINO REAL AT AVIARA PARKWAY/ALGA ROAD	TIF	282,000						282,000	
36431	EL CAMINO REAL MEDIANS	PFF	1,869,500							960,000
39091	EL CAMINO REAL MEDIANS - LA COSTA	PFF	90,500							
	EL CAMINO REAL WIDENING - LA COSTA AVENUE TO ARENAL ROAD	TIF	508,000						508,000	
	EL CAMINO REAL WIDENING - LISA STREET TO CRESTVIEW DR (LOAN)	TRANSNET-LOC	959,000		959,000					
39201	EL CAMINO REAL WIDENING - NORTH OF COUGAR DRIVE (LOAN)	TRANSNET-LOC	493,000							
39571	EL CAMINO REAL WIDENING - TAMARACK AVENUE TO CHESTNUT AVE.	TIF	1,382,708							
39291	EL CAMINO REAL WIDENING - S CHESTNUT/S ALGA	TIF	522,115							
36222	FARADAY AVENUE AND MELROSE DRIVE EXTENSIONS	OTHER	1,021,826							
35931	FARADAY AVENUE MITIGATION - SOUTH OF CANNON	CFD#1	5,500,000							
	I-5 AND LA COSTA AVENUE AUXILLARY LANES	CFD#1	2,000,000							2,000,000
	MELROSE DRIVE AND ALGA ROAD	TIF	542,000							542,000
	PALOMAR AIRPORT ROAD AND COLLEGE BOULEVARD	TIF	160,000						160,000	
38111	PALOMAR AIRPORT ROAD WIDENING AT PASEO DEL NORTE	TIF	525,000							
NEW	PARK DRIVE, MARINA TO COVE	GCC	145,627			145,627				
36671	PAVEMENT MANAGEMENT PROGRAM	TRANSNET-LOC	56,210,348	2,600,000	2,500,000	2,600,000	2,648,000	2,813,000	14,065,000	14,065,000
36791	PAVEMENT MANAGEMENT PROGRAM	GAS TAX	4,701,088							
38681	PAVEMENT MANAGEMENT PROGRAM	OTHER	11,809,000	600,000	800,000	800,000	952,000	787,000	3,935,000	3,935,000
36892	POINSETTIA LANE EAST OF EL CAMINO REAL FINANCING PROGRAM	OTHER	28,932,793							
	POINSETTIA LANE WIDENING (PASEO DEL NORTE TO BATIQUITOS LN)	TIF	2,113,000							2,113,000
38601	RANCHO SANTA FE ROAD AND OLIVENHAIN IMPROVEMENTS	CFD#2	3,800,000						78,924	

FUNDING MATRIX FOR STREET PROJECTS

PROJ NO.	PROJECT TITLE	FUNDING SOURCE	TOTAL BUDGET	FUTURE YEAR BUDGET AMOUNTS						
				YEAR 1 2005-2006	YEAR 2 2006-2007	YEAR 3 2007-2008	YEAR 4 2008-2009	YEAR 5 2009-2010	YEAR 6-10 2010-2015	BUILDOUT 2015-2020
31906	RANCHO SANTA FE ROAD NORTH - PHASE I	CFD#2	26,406,243							
39071	RANCHO SANTA FE ROAD NORTH - PHASE II (BRIDGE)	CFD#2	18,419,000							
38801	RANCHO SANTA FE ROAD SOUTH	CFD#2	1,350,000							
39531	SIDEWALK/STREET CONSTRUCTION PROGRAM	TIF	3,834,259	300,000	300,000	300,000	300,000	300,000	1,200,000	
39281	TRAFFIC MONITORING PROGRAM	TIF	1,210,611	70,000	70,000	70,000	70,000	70,000	350,000	350,000
38951	UNDERGROUND DIST. 17 - ROOSEVELT STREET	GCC	509,800							

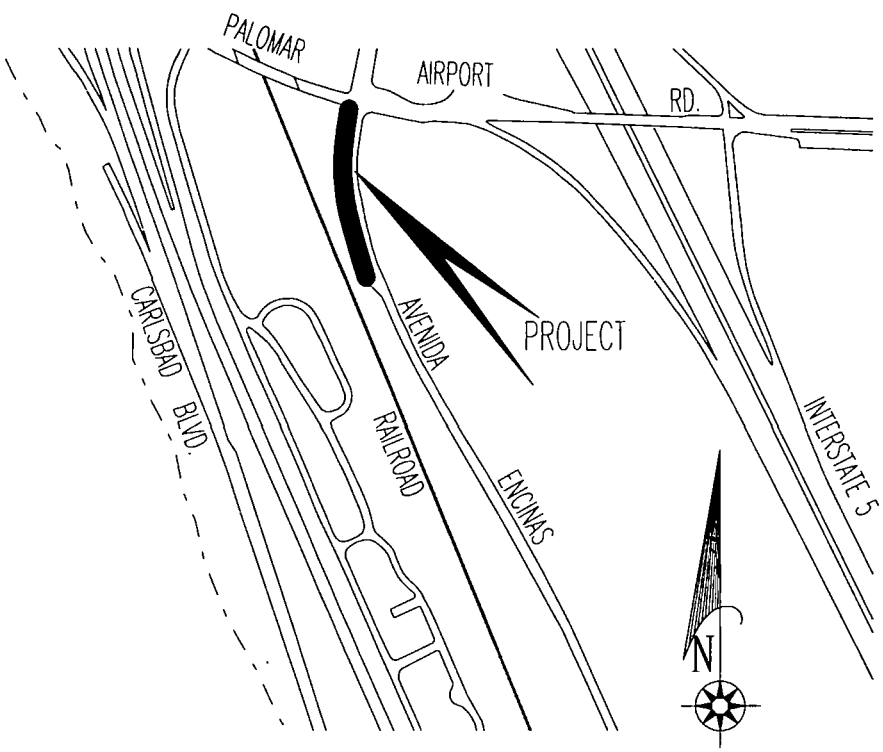
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - AVENIDA ENCINAS WIDENING SOUTH OF PALOMAR AIRPORT ROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along the west side of Avenida Encinas south of Palomar Airport Road adjacent to the San Diego Northern Railway property.

PROJECT DESCRIPTION:

Widen the west side of Avenida Encinas to full secondary arterial standards from Palomar Airport Road to approximately 800 feet south. The work includes placement of fill material and construction of new curbs, gutters, aggregate base, asphalt paving and striping.

PROJECT NEED:

Required to comply with Growth Management Standards.

FINANCING:

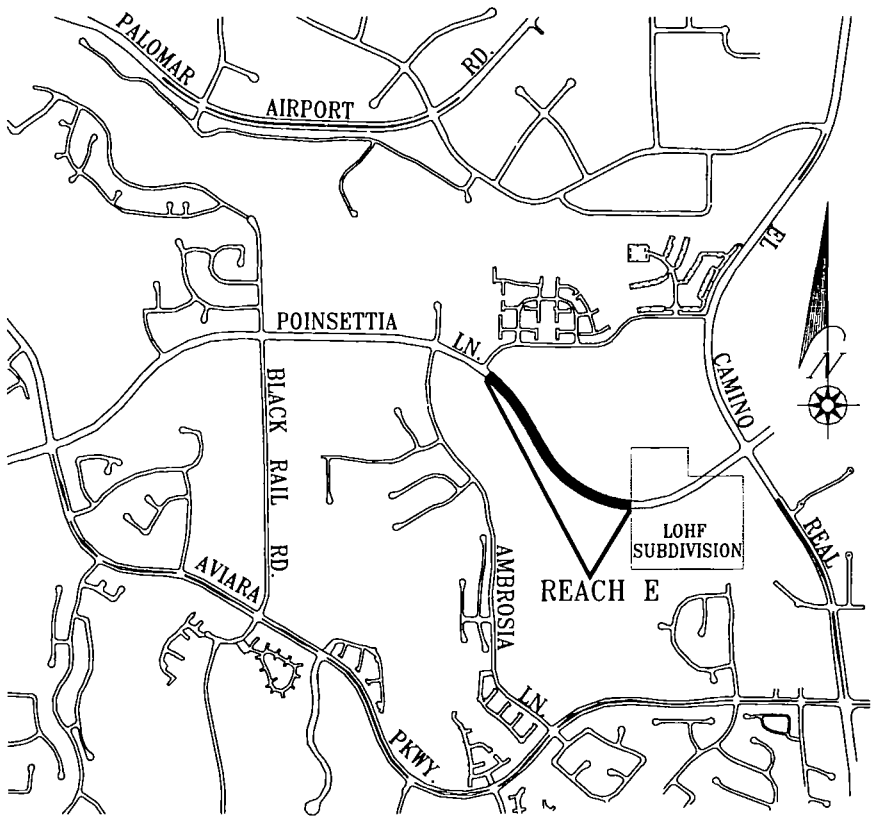
Purpose	Estimated Cost	Funding Source
Design/Construction	$983,000	TIF
Total Cost =	**$983,000**	

CAPITAL PROJECT DESCRIPTION

39221
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - B&TD #2 POINSETTIA LANE REACH "E" (CASSIA ROAD TO SKIMMER COURT)
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along the future extension of Poinsettia Lane from its existing terminus at Cassia Road east to Skimmer Court.

PROJECT DESCRIPTION:

Partial funding for construction of Reach "E" of Poinsettia Lane including full width grading to major arterial standards, adequate drainage improvements necessary to protect the roadbed, and two 18-foot paved traffic lanes separated by a raised unimproved median. Also included within the project are all land acquisition and environmental mitigation costs. The project is part of the improvements funded by Bridge and Thoroughfare District No. 2 (B&TD#2).

PROJECT NEED:

Required pursuant to the City's Circulation Elements and Growth Management Program.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction Land Acquisition	$9,450,000	B&TD#2
Total Cost =	**$9,450,000**	

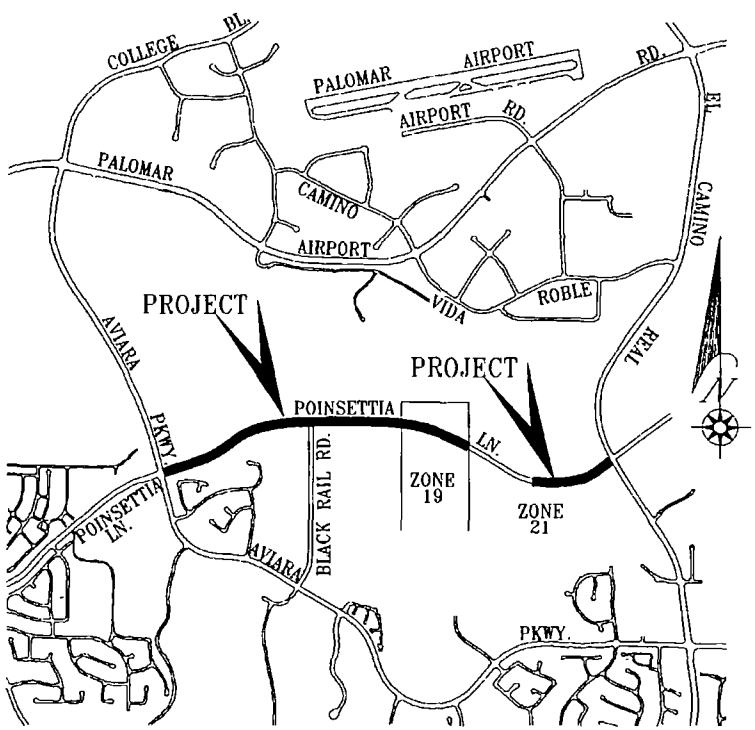
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - BRIDGE AND THOROUGHFARE DISTRICT NO. 2
POINSETTIA LANE REACHES A, B, C, F, G & AVIARA PARKWAY REIMBURSEMENT

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along Poinsettia Lane from the eastern Zone 19 boundary to El Camino Real.

PROJECT DESCRIPTION:

Reimbursement for construction of Reach A, B, C, F, & G of Poinsettia Lane and a portion of Aviara Parkway including full-width grading to major arterial standards, adequate drainage improvements necessary to protect the roadbed, and two 18-foot paved traffic lanes separated by a raised unimproved median. The project is part of the improvements funded by Bridge and Thoroughfare District No. 2 (B&TD#2).

PROJECT NEED:

Required to meet Growth Management Standards for future development within Local Facility Management Zone.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$1,320,729	B&TD #2
Total Cost =	**$1,320,729**	

AVIA_ECR

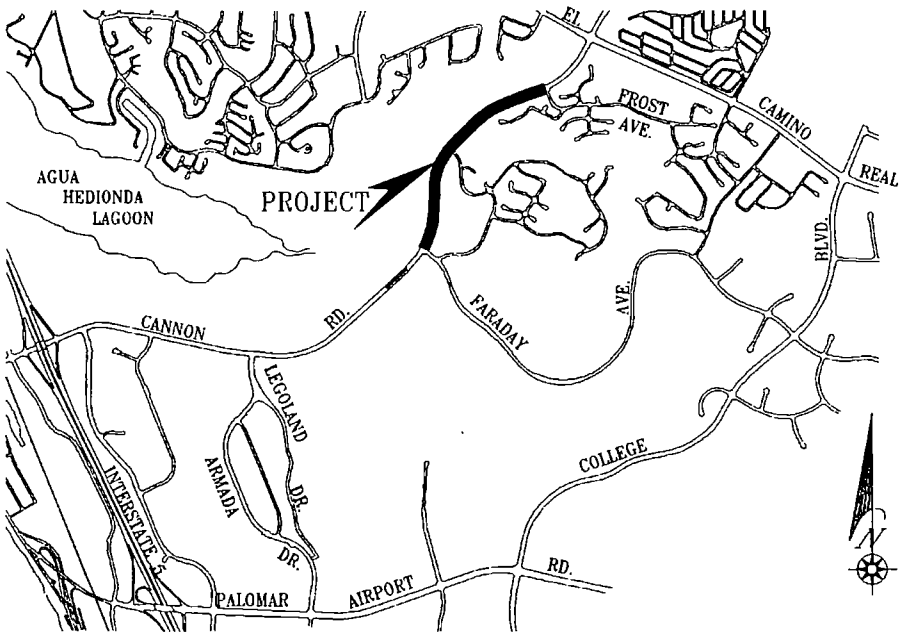
CAPITAL PROJECT DESCRIPTION

31842
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – B&TD #3 - CANNON ROAD WEST FROST AVENUE TO FARADAY AVENUE (REIMBURSEMENT)

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Cannon Road from Frost Avenue to Faraday Avenue.

PROJECT DESCRIPTION:

Reimbursement for the construction of a 4-lane major arterial road from Frost Avenue to Faraday Avenue. Work includes full width grading, curb and gutter, base and paving, raised landscaped median, sidewalks and streetlights.

NOTE: Cannon Road West was constructed entirely by the adjacent land developer. The City may reimburse the developer for eligible work in accordance with a Council approved reimbursement agreement.

PROJECT NEED:

Required to comply with Growth Management Standards and to complete a vital arterial roadway identified in the Circulation Element of the General Plan.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$6,260,226	B&TD #3
Total Cost =	**$6,260,226**	

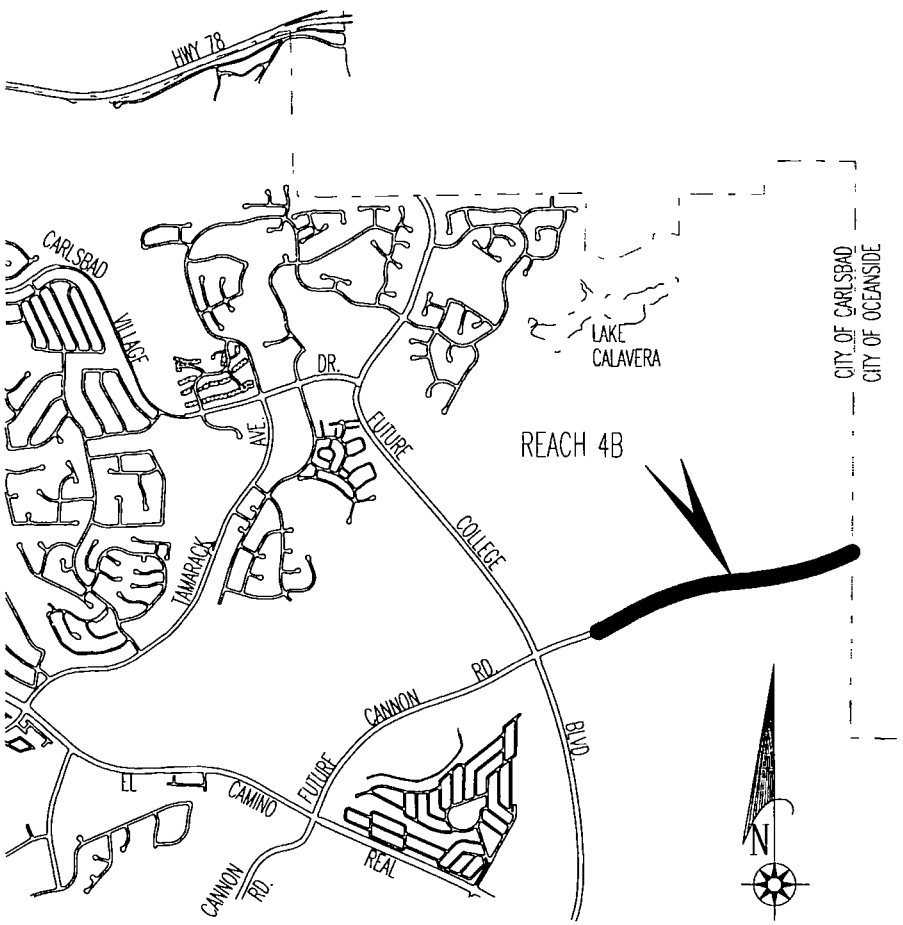
CAPITAL PROJECT DESCRIPTION

38141
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – CANNON ROAD REACH 4B
COLLEGE BOULEVARD TO OCEANSIDE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along Cannon Road from future College Boulevard to the Carlsbad/Oceanside city limits.

PROJECT DESCRIPTION:

Preliminary design of Reach 4 of Cannon Road to full major arterial standards, including all required environmental mitigation costs.

PROJECT NEED:

Required pursuant to the City Circulation Element and to comply with the Growth Management Circulation Standards. Since the project passes through the existing coastal sage habitat preserve area, it is not included as a financing requirement of any of the local facilities management plans.

FINANCING:

Purpose	Estimated Cost	Funding Source
Preliminary Design	$1,761,000	TransNet Hwy
Total Cost =	**$1,761,000**	

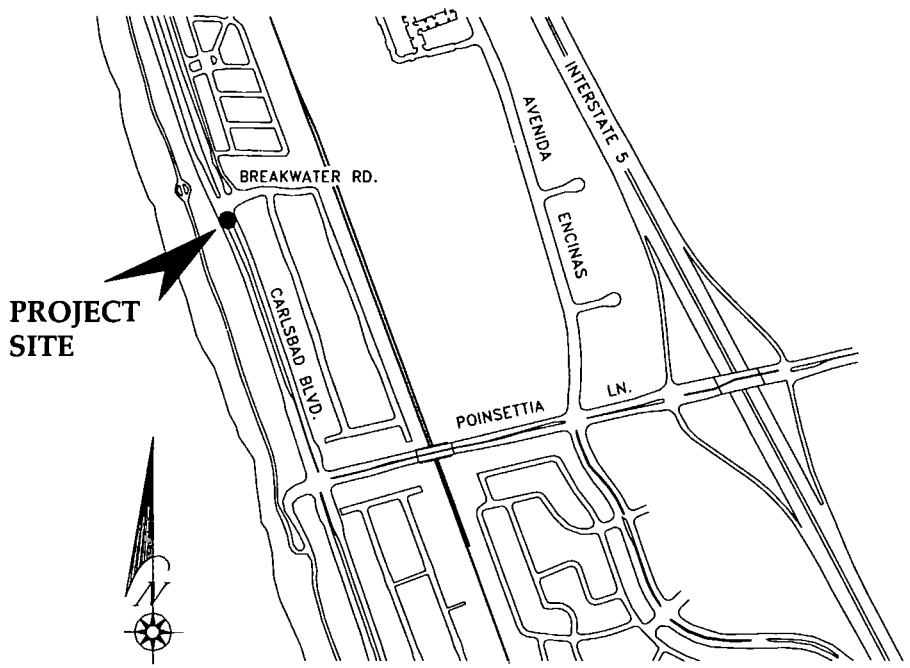
CAPITAL PROJECT DESCRIPTION

39471
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – CARLSBAD BOULEVARD AT BREAKWATER ROAD – LEFT TURN LANE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Northbound Carlsbad Boulevard at Breakwater Road

PROJECT DESCRIPTION:

Installation of left turn lane on northbound Carlsbad Boulevard including the required roadway widening, median removal, drainage structures, traffic signal modifications, and signing and striping.

PROJECT NEED:

Access to the South Carlsbad State Beach campground facility is restricted to southbound traffic only. Vehicles approaching on westbound Poinsettia Lane and northbound Carlsbad Boulevard must divert north on Carlsbad Boulevard. The proposed left turn lane will allow these northbound vehicles to u-turn at Breakwater Road and enter the campground from southbound Carlsbad Boulevard.

FINANCING:

Purpose	Estimated Cost	Funding Source
Total Cost =	**$243,150**	**SCCRDA**

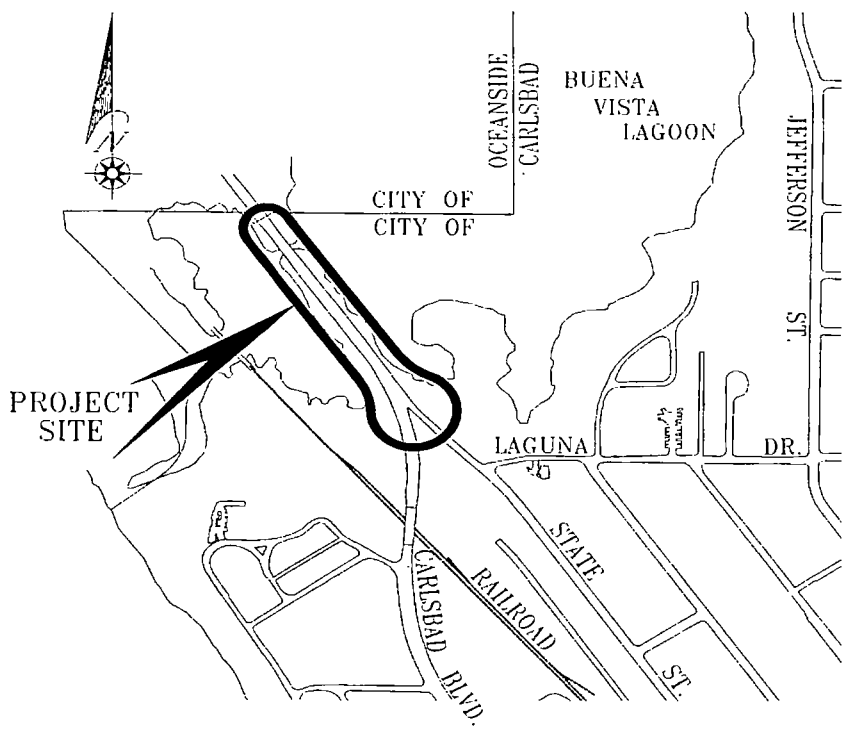
CAPITAL PROJECT DESCRIPTION

38541
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – CARLSBAD BOULEVARD AND STATE STREET PEDESTRIAN AND INTERSECTION ENHANCEMENT DESIGN

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Carlsbad Boulevard from north city limits to State Street.

PROJECT DESCRIPTION:

The project involves the study and design of a pedestrian walkway on the eastern side of Carlsbad Boulevard from State Street to the northern City limits. The feasibility study will review pedestrian/bicycle/vehicle access and safety issues along Carlsbad Boulevard, identify potential safety improvements, determine the scope of the environmental and operational impacts, and develop planning level cost estimates for the various options identified in the study. The project may also include intersection modifications at Carlsbad Blvd and State Street to incorporate a traffic signal or stop control to assign right-of-way. The project will then complete design plans for the appropriate enhancements/improvements.

PROJECT NEED:

A pedestrian walkway is needed to provide separation between pedestrians and vehicles/bicycles traveling between Carlsbad and Oceanside along Carlsbad Boulevard. Modification of the Carlsbad Blvd/State Street intersection and installation of traffic control devices will facilitate right-of-way assignment.

FINANCING:

Purpose	Estimated Cost	Funding Source
Study/Report	$105,000	GCC
Design	$100,000	Redvl Village
Total Cost =	**$205,000**	

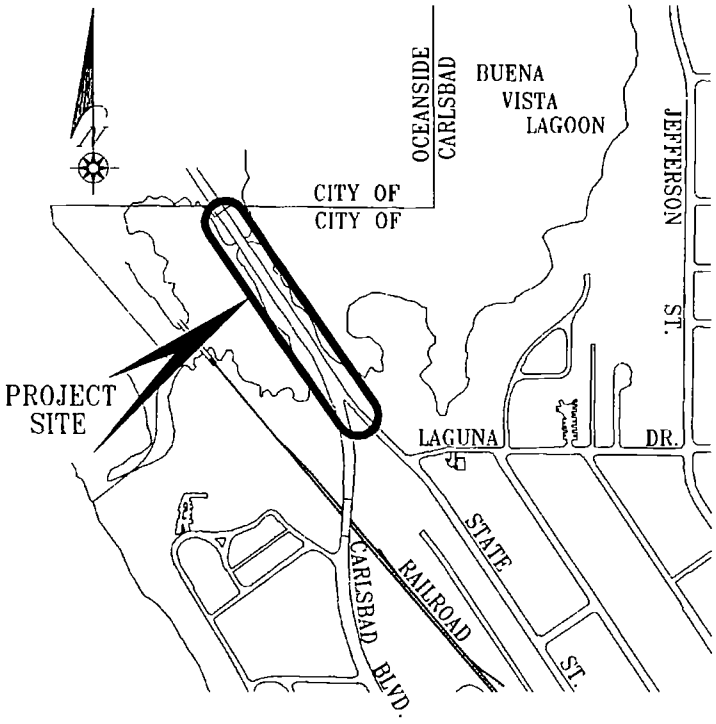
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – CARLSBAD BOULEVARD AND STATE STREET INTERSECTION ENHANCEMENT DESIGN

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Carlsbad Boulevard and State Street.

PROJECT DESCRIPTION:

Design pedestrian walkway on the eastern side of Carlsbad Boulevard from State Street to northern City limits. Project may also include intersection modification design to incorporate a traffic signal or stop control to assign right-of-way.

PROJECT NEED:

A pedestrian walkway is needed to provide separation between pedestrians and vehicles/bicycles. Modification of the intersection and installation of traffic control devices will facilitate right-of-way assignment.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$100,000	Redvl Village
Total Cost =	**$100,000**	

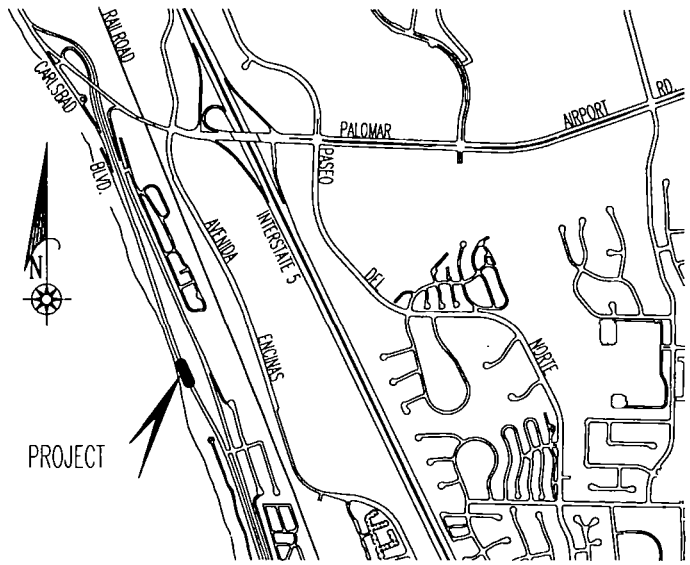
CAPITAL PROJECT DESCRIPTION

39191
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – CARLSBAD BOULEVARD
ENCINAS CREEK BRIDGE REPLACEMENT

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Southbound lanes of Carlsbad Boulevard south of Palomar Airport Road and north of the South Carlsbad State Beach campgrounds.

PROJECT DESCRIPTION:

Complete replacement of the existing bridge structure for southbound lanes of Carlsbad Boulevard originally constructed in 1913. The budget for this project includes staff time to pursue federal grants for funding of the project.

PROJECT NEED:

Carlsbad Boulevard is a major north/south transportation roadway in north county. The bridge structure does not meet seismic standards and is close to exceeding its expected service life. Reinforcing steel is exposed and corroding and Caltrans has recommended that the bridge be replaced.

FINANCING:

Purpose	Estimated Cost	Funding Source
Studies & Reports	$41,453	SCCRDA
Construction	$1,804,000	Federal Grant
Total Cost =	**$1,845,453**	

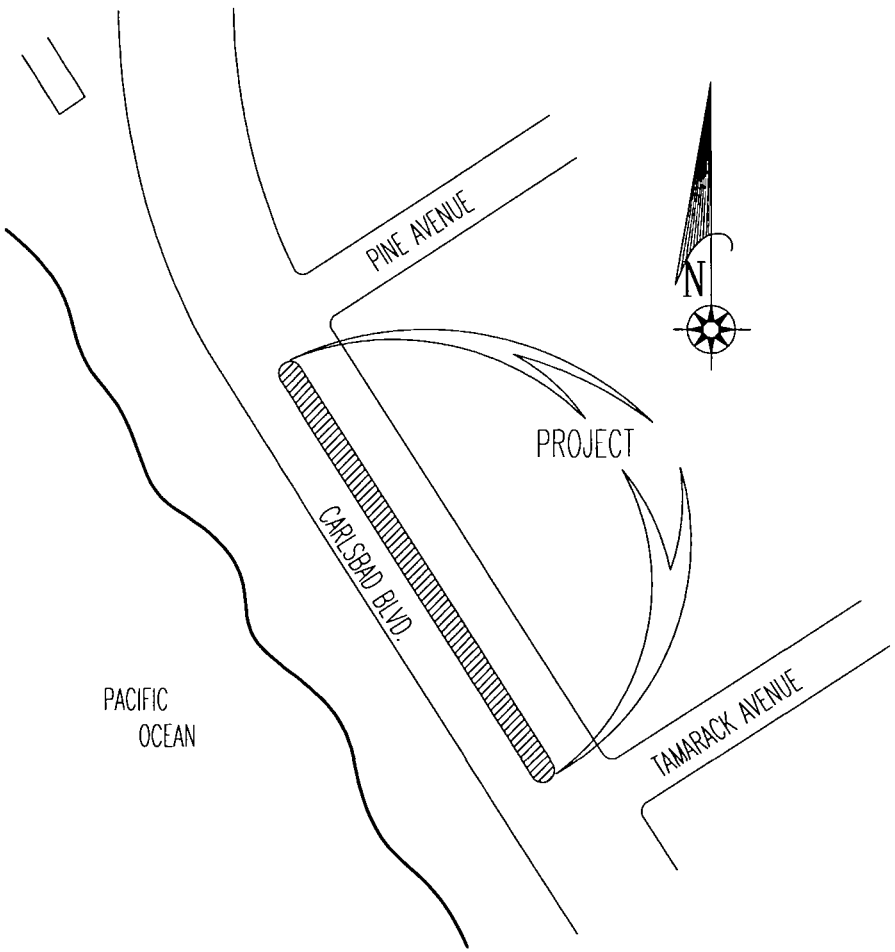
CAPITAL PROJECT DESCRIPTION

34441
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - CARLSBAD BOULEVARD MEDIAN TAMARACK AVENUE TO PINE AVENUE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Carlsbad Boulevard from Tamarack Avenue to Pine Avenue.

PROJECT DESCRIPTION:

Construct raised, landscaped median. Work includes concrete curb, landscaping, irrigation and colored, stamped concrete.

PROJECT NEED:

The median is needed to bring this section of Carlsbad Boulevard up to City Standards for a major arterial.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$1,398,000	PFF
Total Cost =	**$1,398,000**	

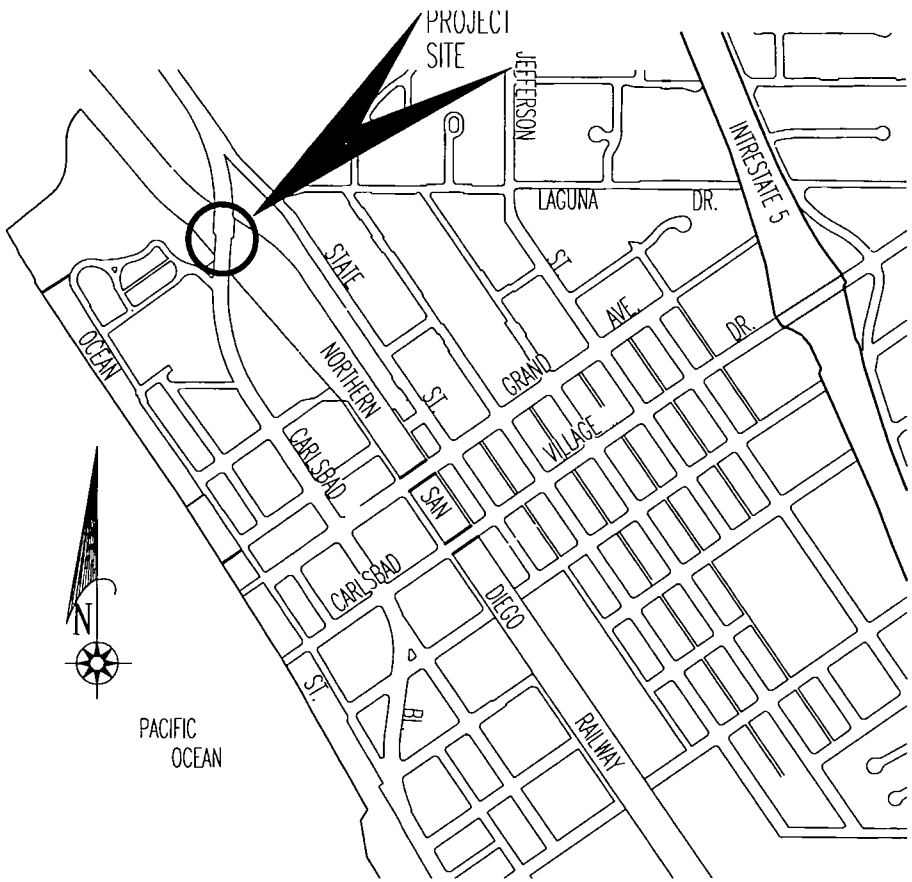
CAPITAL PROJECT DESCRIPTION

35571
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - CARLSBAD BOULEVARD BRIDGE RETROFIT OVER SAN DIEGO NORTHERN RAILROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

On Carlsbad Boulevard 500' southerly of its intersection with State Street.

PROJECT DESCRIPTION:

The project consists of removing the existing 72 year old two-lane bridge and constructing a new four-lane bridge with bicycle lanes and sidewalks over the San Diego Northern Railroad.

PROJECT NEED:

Caltrans has determined that the bridge over the railroad is vulnerable to severe damage during the design earthquake. Caltrans and the Federal Highways Administration will fund a seismic retrofit of the bridge. Given the age and conditions of the bridge, Caltrans has agreed to apply the retrofit funds towards the construction of a replacement bridge. Widening of the bridge is necessary to bring this section of Carlsbad Boulevard into conformance with City Standards and to assure compliance with Growth Management Standards at buildout.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$500,000	TransNet/Local*
Construction	$600,000	TransNet/Local*
Total Cost =	**$1,100,000**	

* Funds totaling approximately $800,000 to be reimbursed from State Grant.

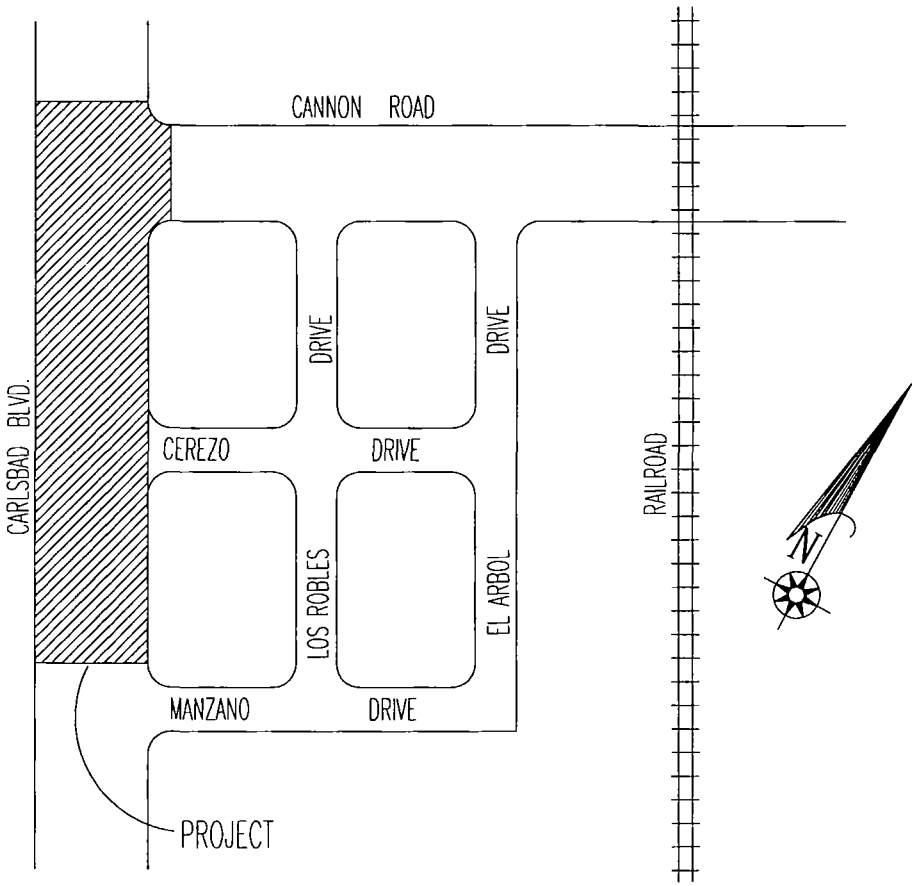
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - CARLSBAD BOULEVARD WIDENING - CANNON ROAD TO MANZANO DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Carlsbad Boulevard from Manzano Drive to Cannon Road.

PROJECT DESCRIPTION:

Widen Carlsbad Boulevard from two lanes to four lanes with a center raised median (major arterial). Construct pavement, curb and gutter, stamped concrete and landscaping.

A planning study was initiated in 1992 to determine alignment alternatives and investigate property access problems.

PROJECT NEED:

Required to meet Growth Management Standards and the Circulation Element of the General Plan.

FINANCING:

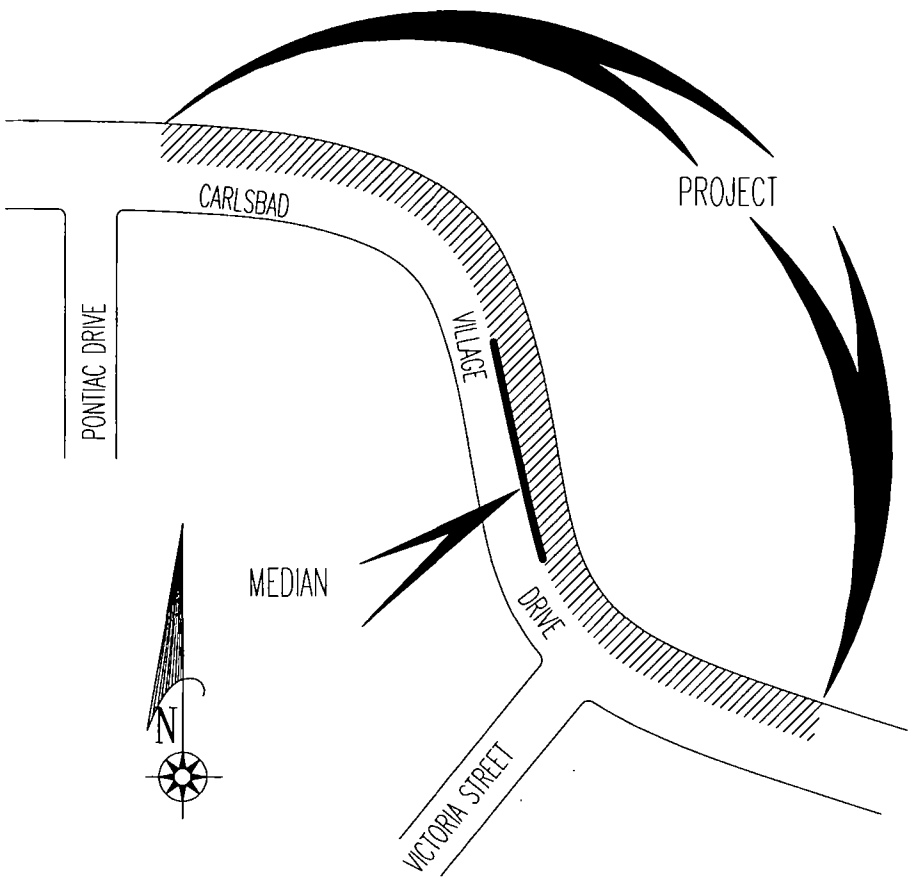
Purpose	Estimated Cost	Funding Source
Design/Construction	$2,260,000	TIF
Total Cost =	**$2,260,000**	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - CARLSBAD VILLAGE DRIVE WIDENING
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

On Carlsbad Village Drive from 200 feet east of Pontiac Drive to 200 feet east of Victoria Street.

PROJECT DESCRIPTION:

Widen Carlsbad Village Drive to secondary arterial standards; street is currently only half-width. Construct curb & gutter, sidewalk, streetlights, median curb, base and asphalt pavement. The project design may include standard modifications consistent with local environmental and topographical constraints of the project site.

PROJECT NEED:

Required to meet Growth Management Standards and the Circulation Element of the General Plan.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$1,423,000	TIF
Total Cost =	**$1,423,000**	

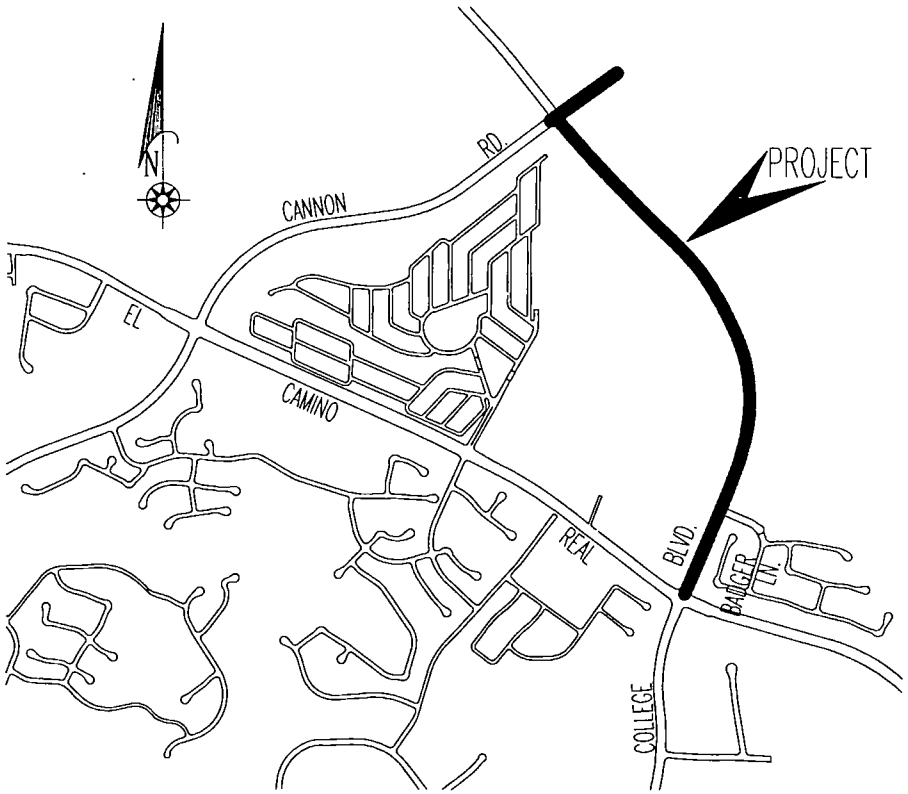
CAPITAL PROJECT DESCRIPTION

36362
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – COLLEGE BOULEVARD REACH A AND CANNON ROAD REACH 4A

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

College Boulevard east of ECR from the existing College Boulevard terminus at Badger Lane to Cannon Road and Cannon Road from College Boulevard to approximately 1,200 foot east.

PROJECT DESCRIPTION:

Construction of the core improvements to College Boulevard from Badger Lane to Cannon Road and Cannon Road from College Boulevard to approximately 1,200 feet east of the College/Cannon intersection. The core improvements include full-width grading, two 18-foot paved travel lanes (one on each side of a raised unimproved median), median curbs, transition to full improvements at the intersection of College Boulevard and Cannon Road, drainage improvements to protect the road fill, a bridge structure across Sunny Creek, erosion control, environmental mitigation and Master Drainage Plan flood retention Basin BJ. The Basin BJ improvements include relocation of the existing private RV storage, maintenance facilities and community garden owned by the Rancho Carlsbad Mobile Home Park residents which currently occupy the proposed basin site.

PROJECT NEED:

The project is needed to comply with the City's Growth Management Plan and to complete the Circulation Element.

FINANCING:

Purpose	Estimated Cost	Funding Source
Environmental	$220,000	Other (Developer)
Construction	$1,493,000	Other (Developer)
Total Cost =	$1,713,000	

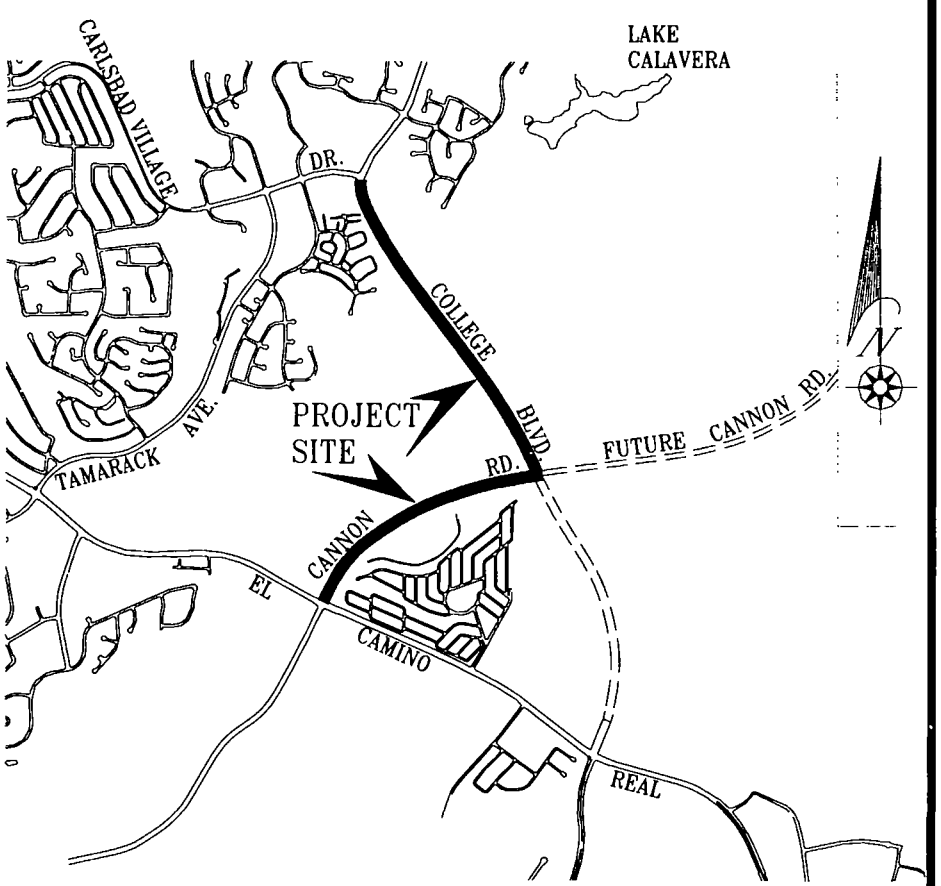
CAPITAL PROJECT DESCRIPTION

38791
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - COLLEGE BOULEVARD/CANNON ROAD REACH 3 ASSESSMENT DISTRICT

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along the extension of College Boulevard from Cannon Road to Carlsbad Village Drive and along the extension of Cannon Road from El Camino Real to College Boulevard.

PROJECT DESCRIPTION:

Formation of a financing district for the purpose of financing the construction of the above described sections of College Boulevard and Cannon Road. The improvements within the project include full width grading of the College and Cannon roadways to major arterial standards, construction of the center two lanes separated by a raised unimproved median, installation of needed drainage improvements to protect the roadbed, and full width improvements of the arterial intersections with El Camino Real. The outside traffic lanes, fronting improvements and median landscaping/hardscaping will be the obligation of adjacent developing property owners.

PROJECT NEED:

The project is required to complete the Circulation Element of the General Plan and to comply with the Growth Management Standard for circulation facilities. Financing for the project is required prior to any further development within Zones 7 and 14. Construction of the project may occur in phases consistent with the requirements of the various individual zone plans.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$10,314,481	Assessment District
Total Cost =	$10,314,481	

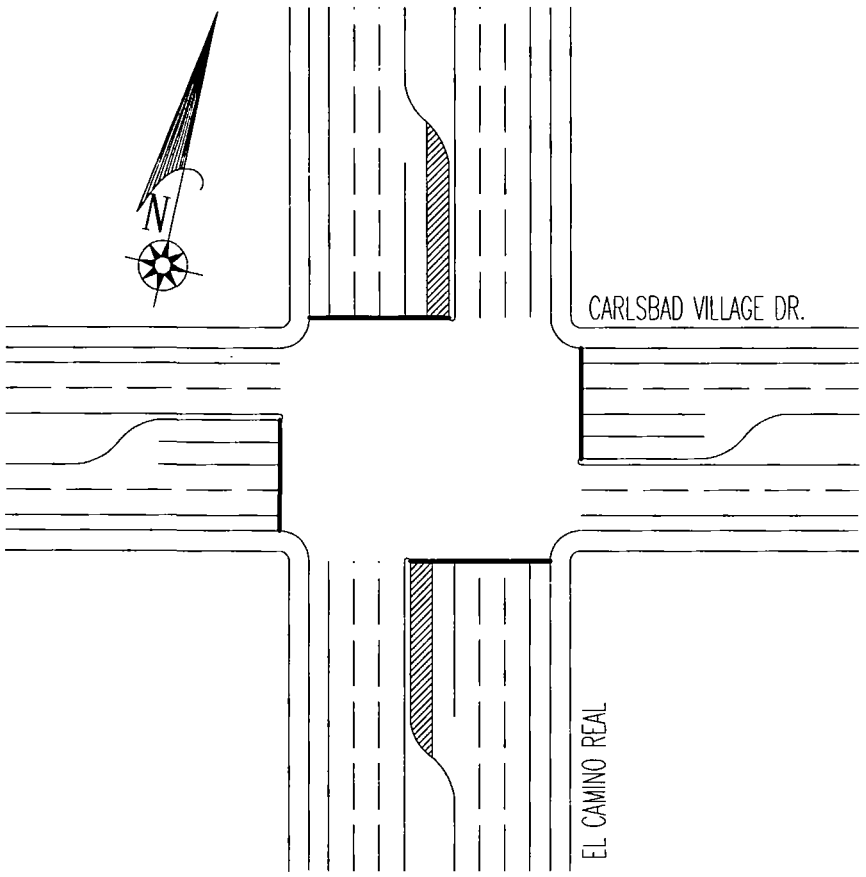
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL AND CARLSBAD VILLAGE DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of El Camino Real and Carlsbad Village Drive.

PROJECT DESCRIPTION:

Construct northbound and southbound dual left-turn lanes on El Camino Real.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$320,000	TIF
Total Cost =	**$320,000**	

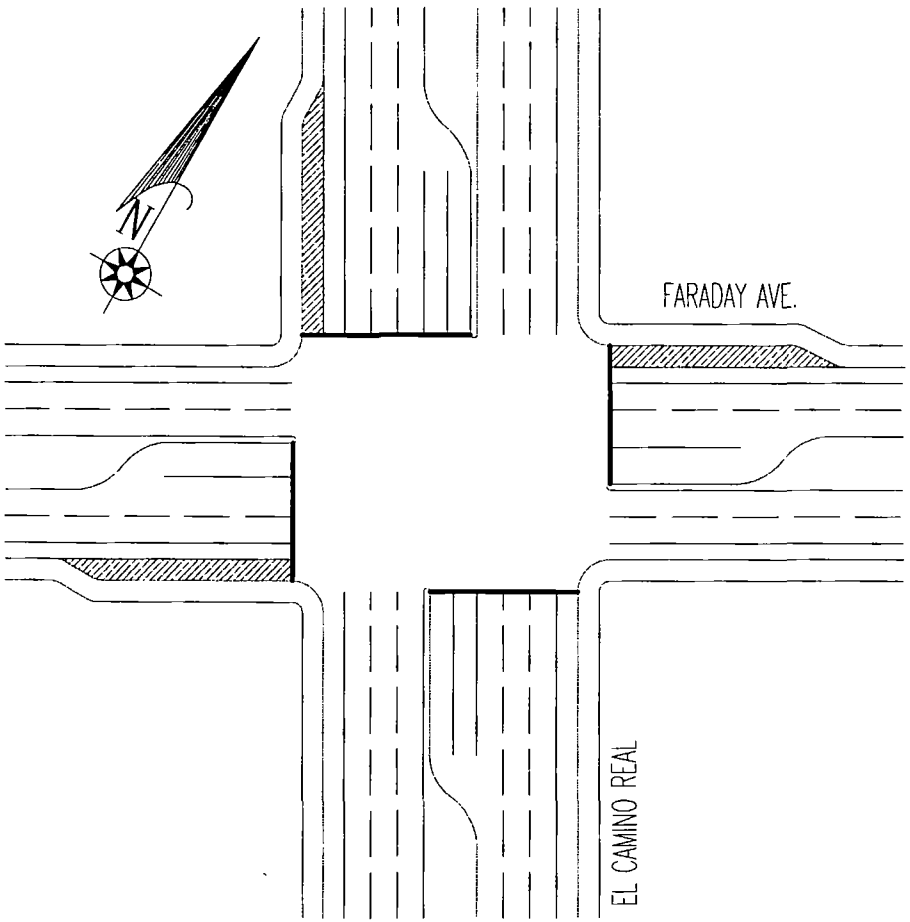
CAPITAL PROJECT DESCRIPTION

36071
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL AND FARADAY AVENUE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

The intersection of El Camino Real and Faraday Avenue.

PROJECT DESCRIPTION:

Intersection improvements which include adding three exclusive right turns (southbound, eastbound and westbound). Construct curb and gutter, asphalt pavement and sidewalk. Additional right-of-way will be required.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

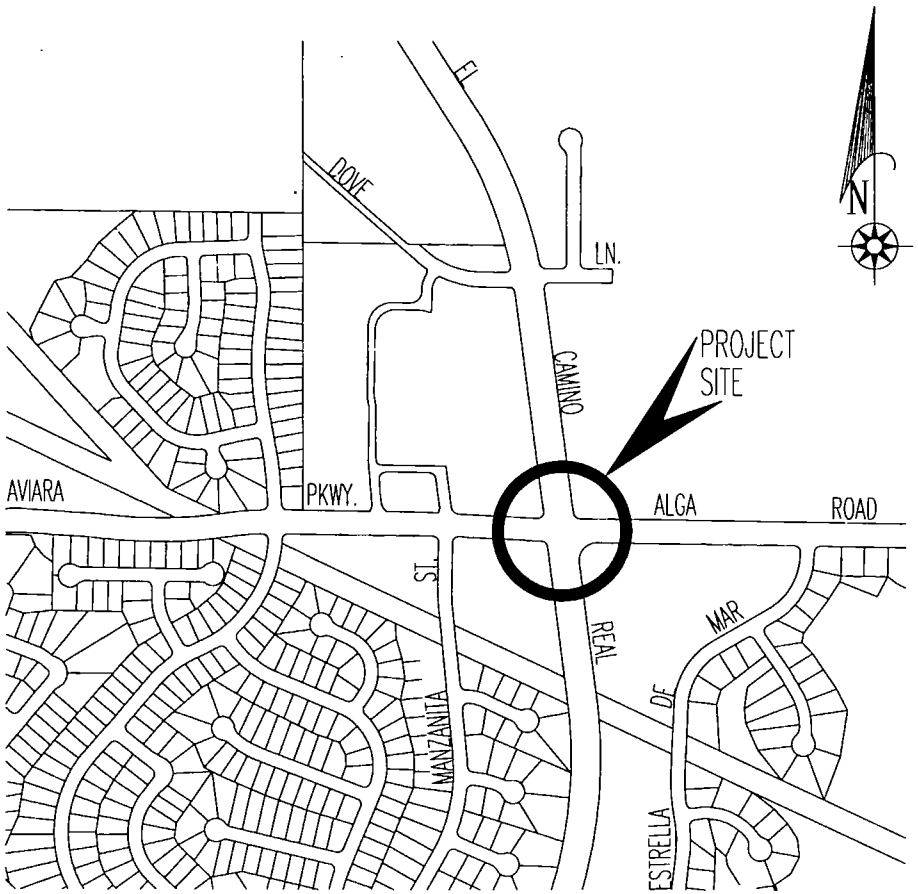
Purpose	Estimated Cost	Funding Source
Admin/Inspection	$67,000	TIF
Design	$33,000	TIF
Construction	$781,000	TIF
Total Cost =	**$881,000**	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL AT AVIARA PARKWAY/ALGA ROAD
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

On El Camino Real at Aviara Parkway/Alga Road.

PROJECT DESCRIPTION:

Construction of median improvements and lane striping immediately south of Aviara Parkway/Alga Road to accommodate dual northbound to westbound turn lanes. May include modification to the existing traffic signal standards.

PROJECT NEED:

Required to comply with Growth Management Standards.

FINANCING:

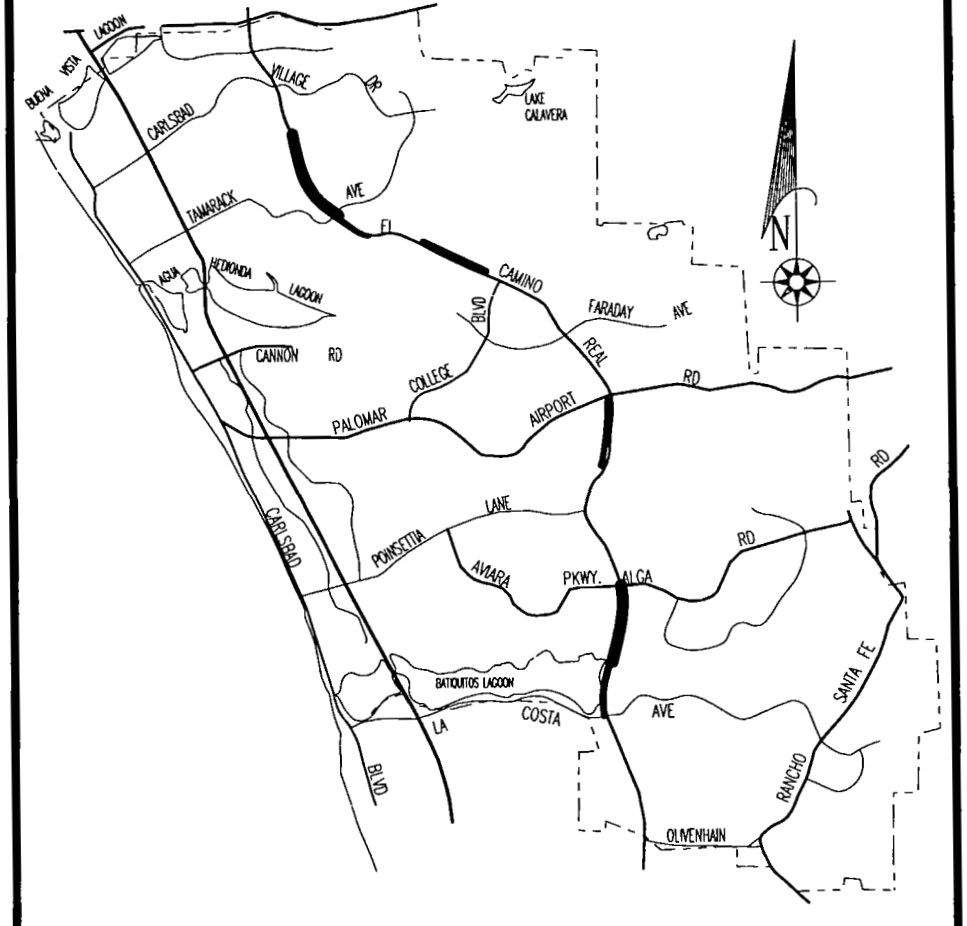
Purpose	Estimated Cost	Funding Source
Design/Construction	$282,000	TIF
Total Cost =	**$282,000**	

CAPITAL PROJECT DESCRIPTION

39091 & 36431
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL MEDIANS
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At various locations along El Camino Real between the north and south City boundaries.

PROJECT DESCRIPTION:

Construct raised, landscaped medians at various places where no developer will be obligated to do so as a condition of a private development. Work includes median curb, stamped concrete paving, irrigation and landscaping.

NOTE: Project funds may be used to reimburse developer for construction of median improvements in excess of those improvements required of the development. Currently, $100,000 is budgeted to reimburse the Evans Point developer for median improvements constructed adjacent to the Rancho Carlsbad Mobile Home Park.

PROJECT NEED:

Raised landscaped medians are required on prime arterials for vehicular safety and to meet City standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$1,960,000	PFF
Total Cost =	**$1,960,000**	

ECRMDIAN

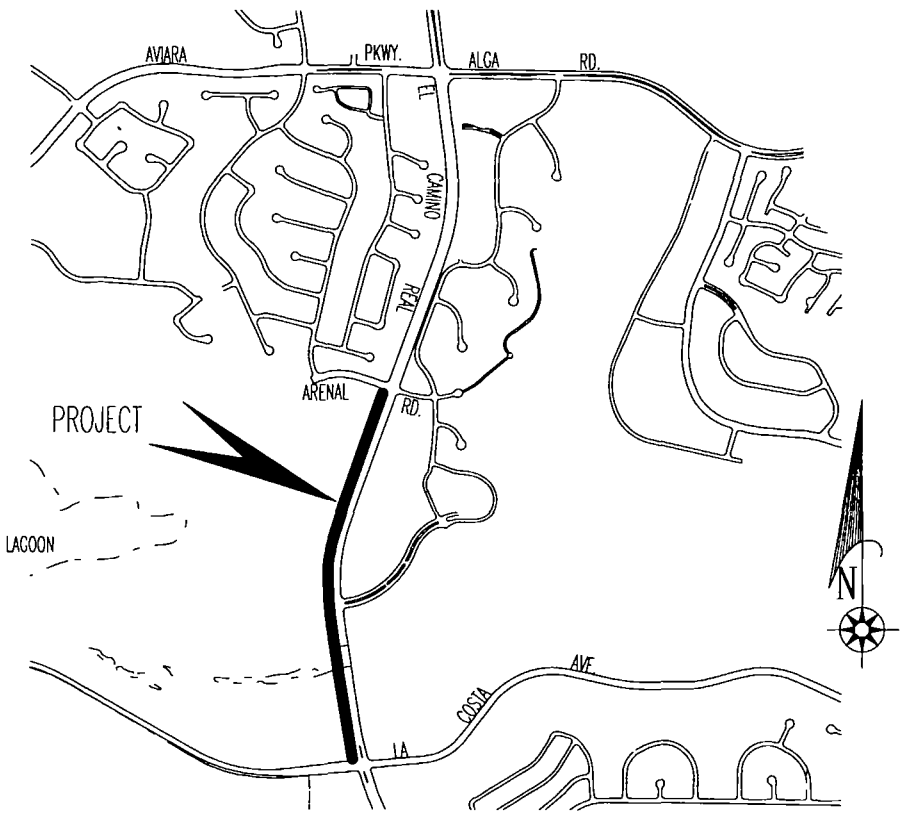
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL WIDENING LA COSTA AVENUE TO ARENAL ROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

On the west side of El Camino Real from La Costa Avenue to Arenal Road.

PROJECT DESCRIPTION:

Add the southbound lane for a length of approximately 3,400 feet to widen the street to full prime arterial standards. Construct curb & gutter, sidewalk, base, and asphalt pavement and streetlights.

PROJECT NEED:

Required to comply with Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$508,000	TIF
Total Cost =	**$508,000**	

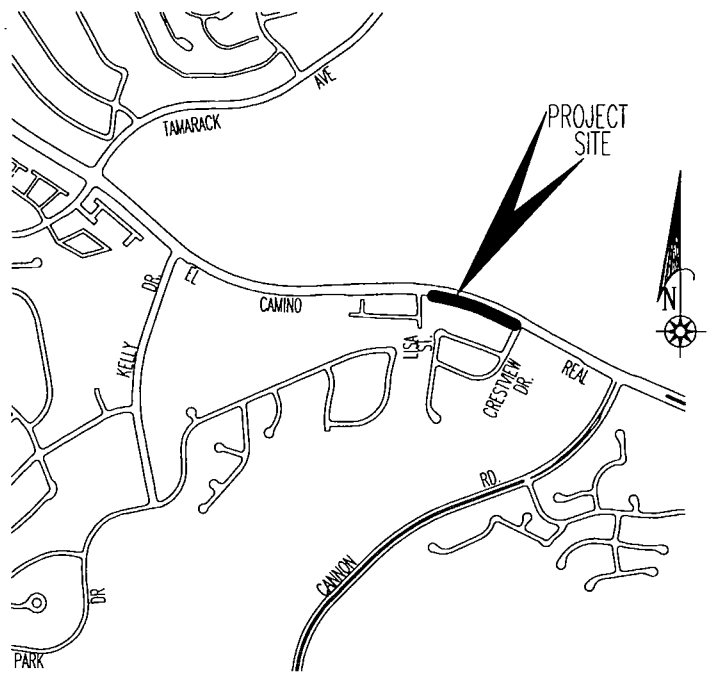
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – EL CAMINO REAL WIDENING – LISA STREET TO CRESTVIEW DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

West side of El Camino Real from south of Lisa Street to Crestview Drive.

PROJECT DESCRIPTION:

Widening approximately 1,200 linear feet of roadway including construction of curb, gutter, sidewalks, pavement, median, and roadway rehabilitation on El Camino Real.

PROJECT NEED:

El Camino Real is identified in the SANDAG Congestion Management Plan (CMP) as a failing road. Adjacent property is fully developed. Widening this section of roadway will contribute to the City's CMP deficiency plan as mandated by the State.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design & Environmental	$82,000	*TransNet Local
Right-of-Way	$250,000	*TransNet Local
Construction	$627,000	*TransNet Local
Total Cost =	**$959,000**	

***Funding source may change if adjacent property develops or assessment districts are formed.**

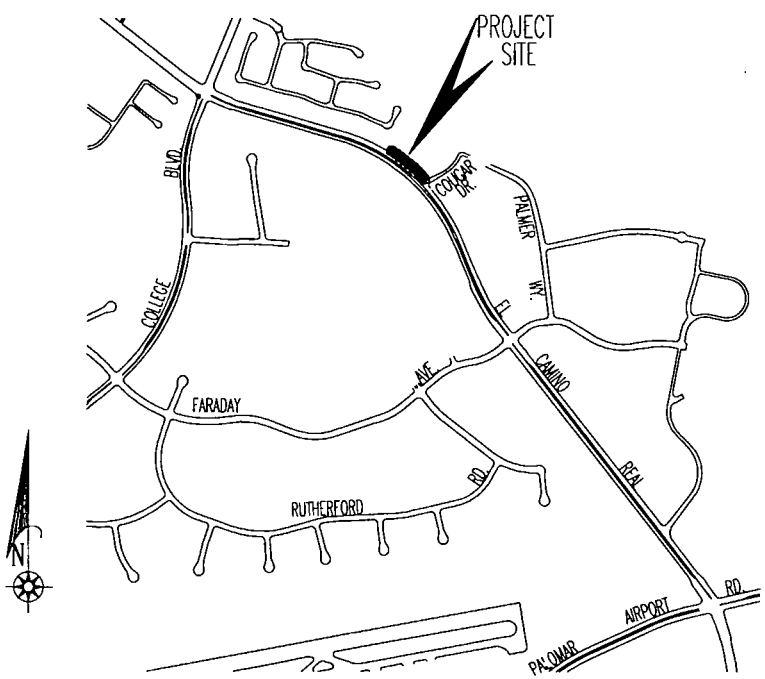
CAPITAL PROJECT DESCRIPTION

39201
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL WIDENING – NORTH OF COUGAR DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

East side of El Camino Real north of Cougar Drive.

PROJECT DESCRIPTION:

Widening approximately 250 linear feet of roadway including construction of curb, gutter, sidewalks, pavement, median, and roadway rehabilitation on El Camino Real.

PROJECT NEED:

El Camino Real is identified in the SANDAG Congestion Management Plan (CMP) as a failing road. Adjacent property is fully developed. Widening this section of roadway will contribute to the City's CMP deficiency plan as mandated by the State.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design & Environmental	$30,000	*TransNet Local
Right-of-Way	$60,000	*TransNet Local
Construction	$403,000	*TransNet Local
Total Cost =	**$493,000**	

***Funding source may change if adjacent property develops or assessment districts are formed.**

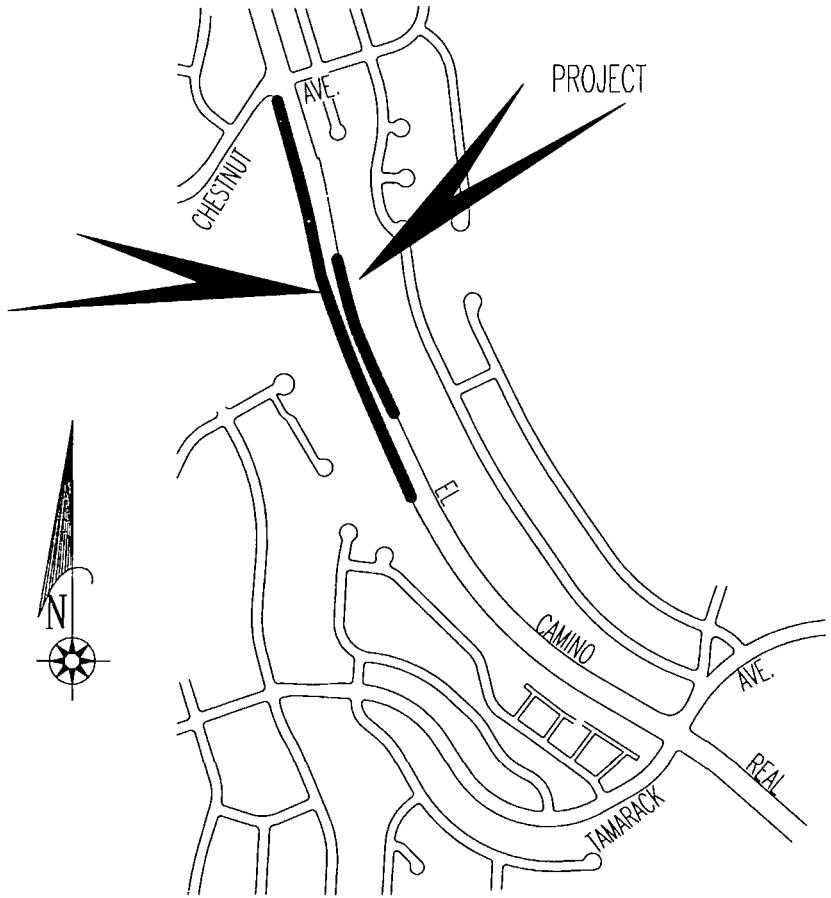
CAPITAL PROJECT DESCRIPTION

39571 & 39291
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - EL CAMINO REAL WIDENING TAMARACK AVENUE TO CHESTNUT AVENUE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along El Camino Real from Tamarack Avenue to Chestnut Avenue.

PROJECT DESCRIPTION:

Add the outside lane to widen street to full prime arterial standards. Widen west side approximately 1,200 feet in length and east side approximately 600 feet in length. Construct curb & gutter, sidewalk, base, and asphalt pavement and streetlights.

PROJECT NEED:

To complete widening to prime arterial standards where no developers are likely to develop and to improve the road capacity.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$1,904,823	TIF
Total Cost =	**$1,904,823**	

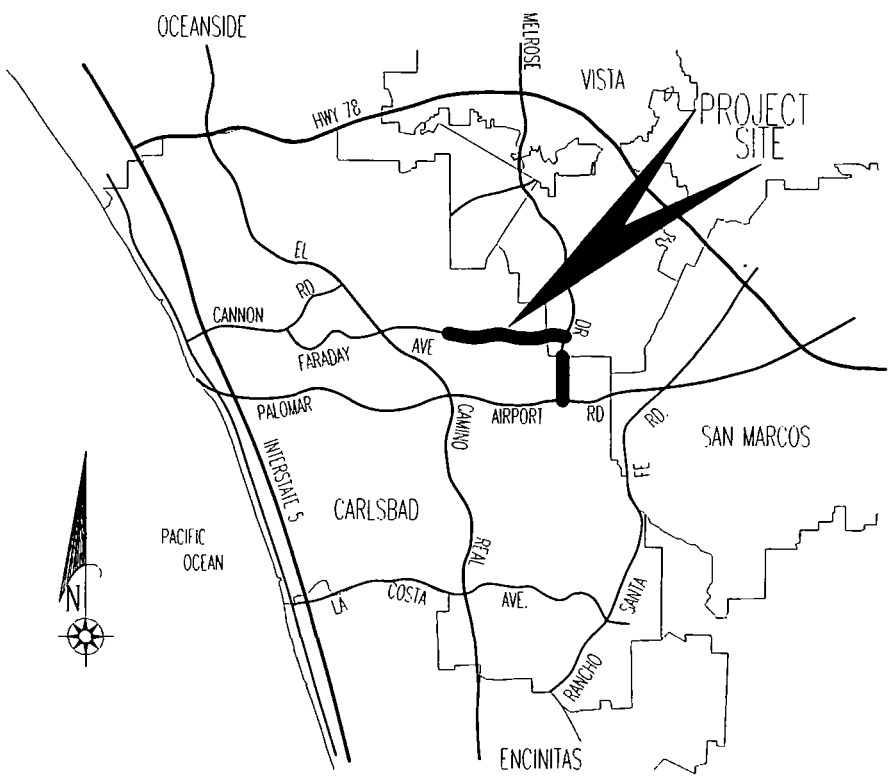
CAPITAL PROJECT DESCRIPTION

36222
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – FARADAY AVENUE/MELROSE DRIVE EXTENSIONS

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along the extension of Melrose Drive from Palomar Airport Road to the Carlsbad/Vista city limit and along the extension of Faraday Avenue from Orion Way to Melrose Drive in Vista.

PROJECT DESCRIPTION:

Construction of two lanes of Faraday Avenue approximately 1.3 miles from its current terminus at Orion Way easterly to Melrose Drive in the City of Vista and the construction of four lanes of Melrose Drive approximately 0.3 miles from Palomar Airport Road to its current terminus at the Carlsbad/Vista city boundary. The project would include the reconstruction of a portion of existing Melrose Drive in the City of Vista and the construction of a bridge over the Agua Hedionda Creek along Faraday Avenue.

PROJECT NEED:

The project is required to complete the Circulation Element of the General Plan and to comply with the Growth Management Standard. The project will divert significant amounts of traffic from existing Palomar Airport Road by providing a second east/west arterial linkage from Melrose Drive to Interstate 5 through the core of the Carlsbad and Vista industrial centers.

FINANCING:

Purpose	Estimated Cost	Funding Source
Preliminary Design	$1,021,826	Other (Developer)
Design/Construction	$3,000,000	Other
Design	$97,210 ++	Water Connection
Design	$110,200 ++	Sewer Replacement
Total Cost+++=	**$3,207,410**	

++ Project Nos. 36224, 36225
+++Excludes construction costs by developer

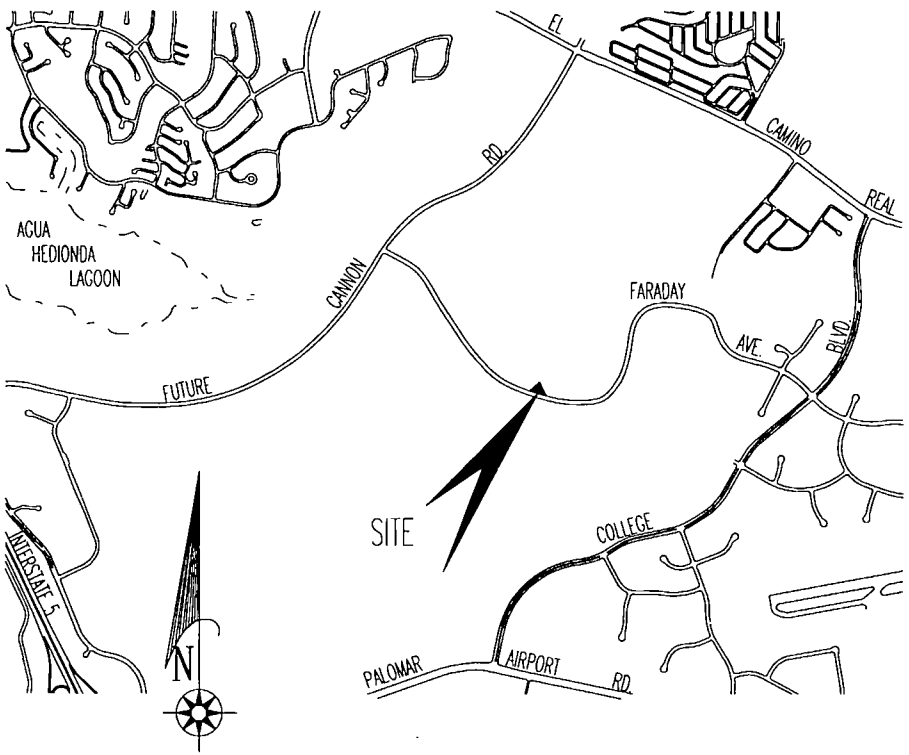
CAPITAL PROJECT DESCRIPTION

35931
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - FARADAY AVENUE MITIGATION - SOUTH OF CANNON ROAD

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

North side of Faraday Avenue, east of Cannon Road.

PROJECT DESCRIPTION:

Monitoring and maintenance of a coastal sage scrub mitigation site.

PROJECT NEED:

Required by Resource Agency permits to construct Faraday Avenue.

FINANCING:

Purpose	Estimated Cost	Funding Source
Mitigation Maintenance	$5,500,000*	CFD#1
Total Cost =	**$5,500,000***	

* Construction of Faraday Avenue was completed in 2003. A balance of $63,661 remains to cover costs associated with maintenance of environmental mitigation requirements.

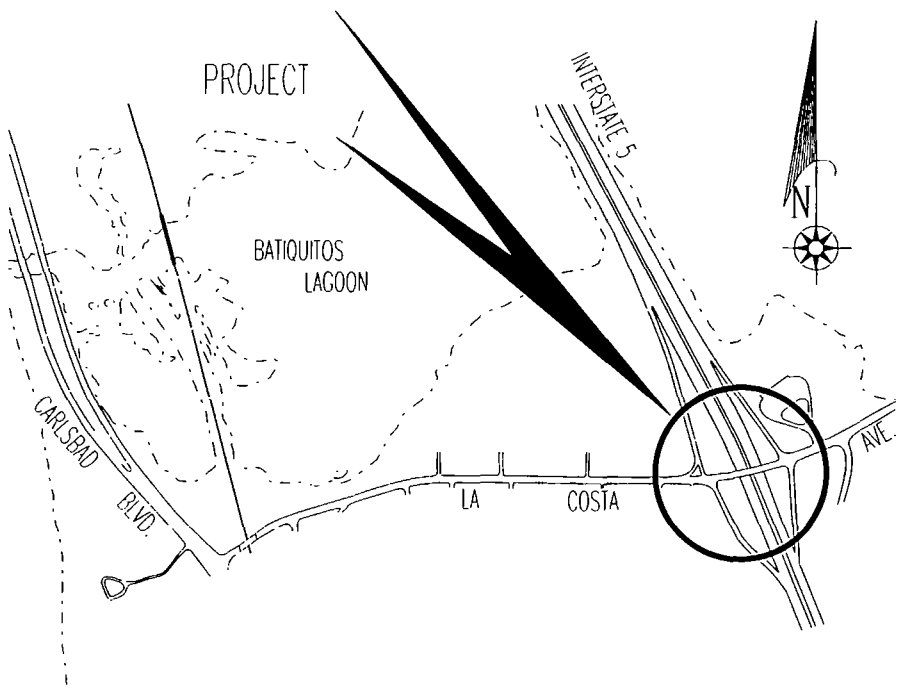
CAPITAL PROJECT DESCRIPTION

PROJECT NO.

CIRCULATION SYSTEM FREEWAY INTERCHANGE PROJECTS - INTERSTATE 5 AND LA COSTA AVENUE AUXILIARY LANES

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Interstate 5 and La Costa Avenue.

PROJECT DESCRIPTION:

The addition of auxiliary traffic lanes on Interstate 5 to be installed at the future direction of Caltrans.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$2,000,000	CFD #1
Total Cost =	**$2,000,000**	

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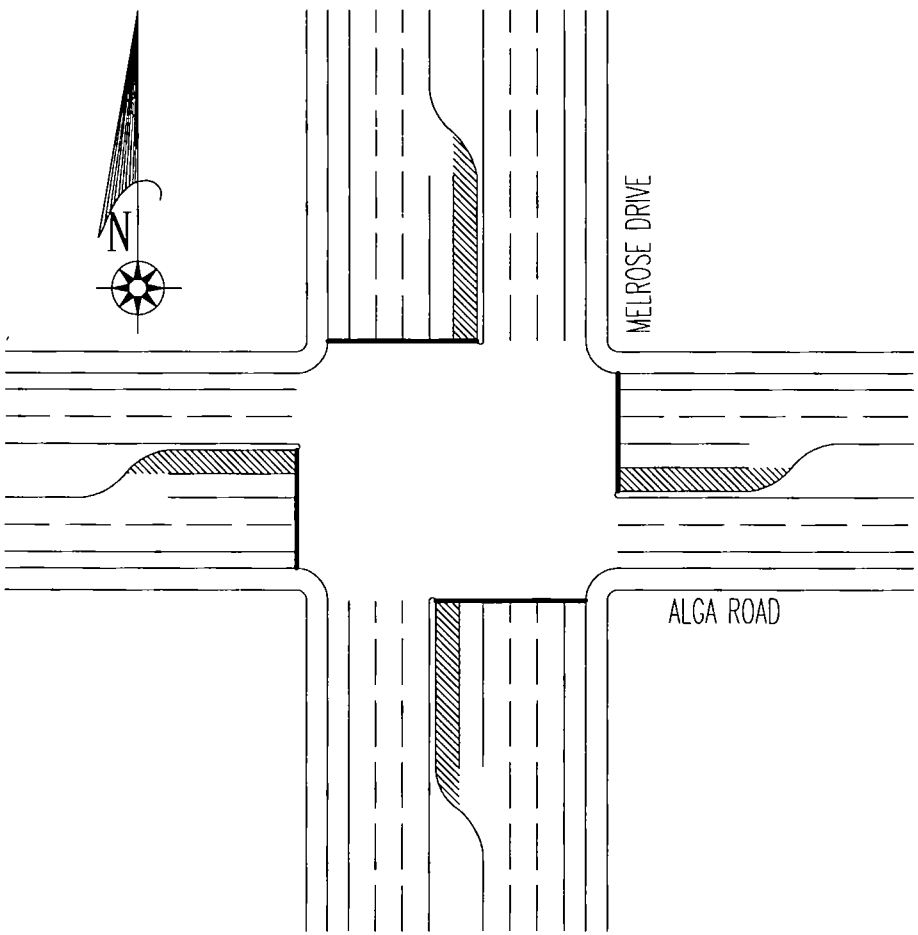
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - MELROSE DRIVE AND ALGA ROAD
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of Melrose Drive and Alga Road.

PROJECT DESCRIPTION:

Construct dual left-turn lanes on all approaches to the intersections—northbound, southbound, eastbound and westbound.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

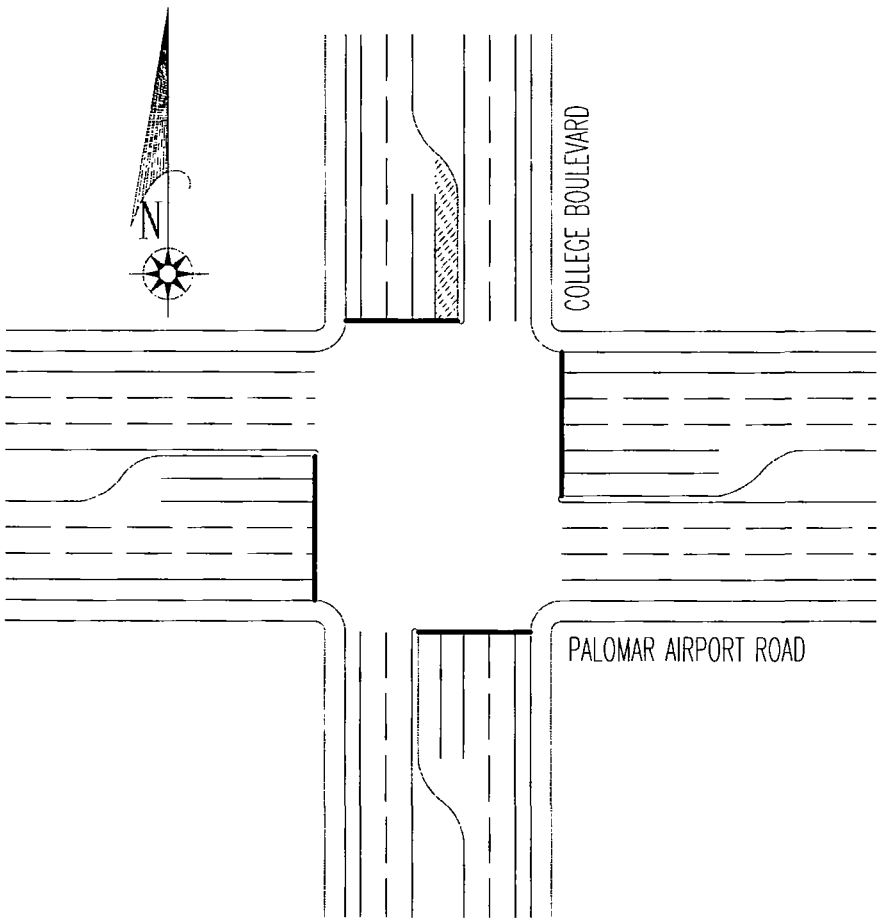
Purpose	Estimated Cost	Funding Source
Design/Construction	$542,000	TIF
Total Cost =	**$542,000**	

CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - PALOMAR AIRPORT ROAD AND COLLEGE BOULEVARD
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

At the intersection of the Palomar Airport Road and College Boulevard.

PROJECT DESCRIPTION:

Construct dual left-turn lane on College Boulevard southbound to eastbound. Project work includes reconstruction of median improvements, striping and signal modifications. Additional right-of-way will be required.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$160,000	TIF
Total Cost =	**$160,000**	

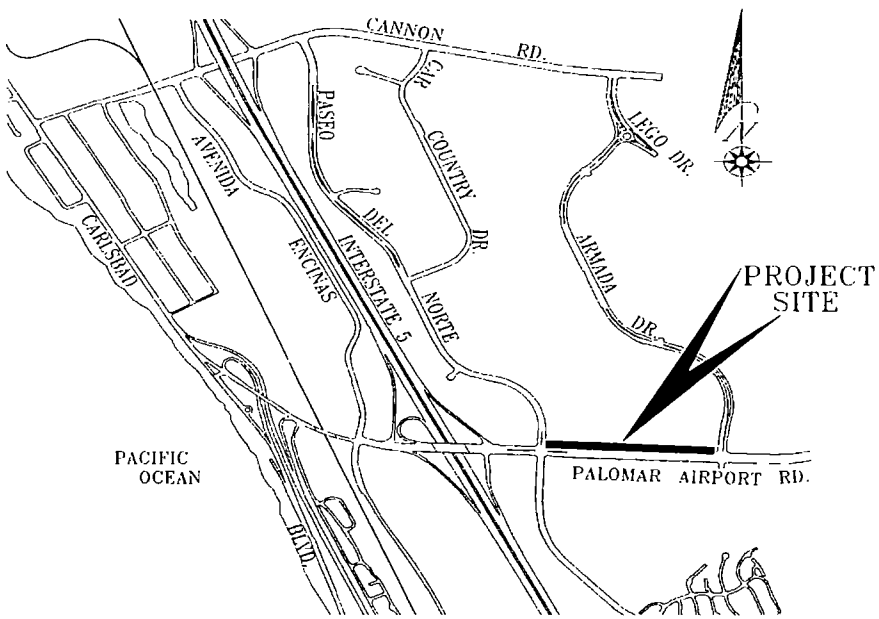
CAPITAL PROJECT DESCRIPTION

38111
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - PALOMAR AIRPORT ROAD WIDENING AT PASEO DEL NORTE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

On the north side of Palomar Airport Road at the intersection with Paseo Del Norte.

PROJECT DESCRIPTION:

Widen the easterly approach of Palomar Airport Road (PAR) at the intersection of Paseo Del Norte (PDN) to accommodate an additional through lane. The added lane would be designed to align with the existing "right-turn only" lane onto northbound Interstate 5. The existing westbound to northbound right-turn lane from PAR to PDN would be relocated slightly north of its current location to eliminate the partial offset with the existing "right-turn only' lane on the west side of the intersection.

PROJECT NEED:

Required to meet the Growth Management Circulation Standard. The current intersection is operating at an unacceptable level of service due to a backup of traffic attempting to go northbound along Interstate 5. This project will allow for smoother transition of the westbound to northbound traffic into the two right-turn lanes to northbound I-5 from traffic proceeding westbound along PAR through the PDN intersection.

FINANCING:

Purpose	Estimated Cost	Funding Source
Admin/Inspection	$55,000	TIF
Construction	$480,000	TIF
Total Cost =	**$525,000**	

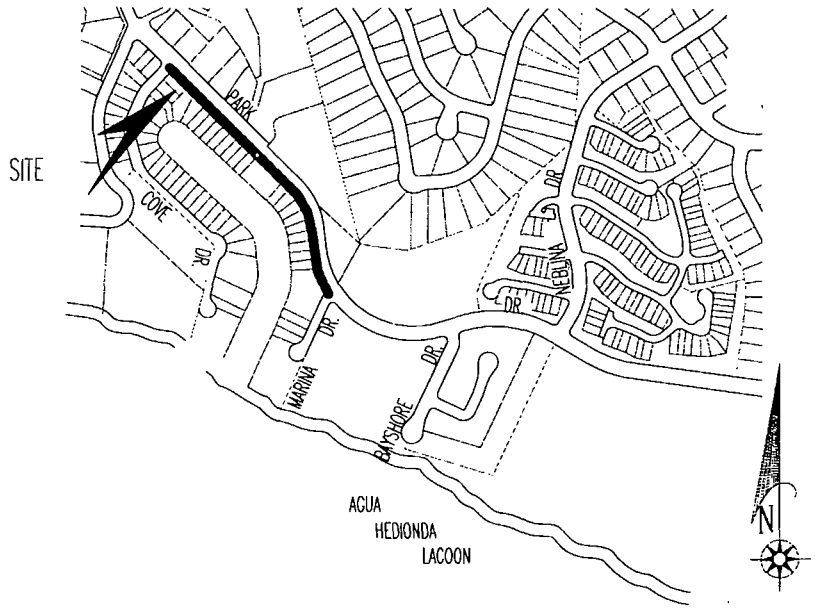
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS – PARK DRIVE, MARINA DRIVE TO COVE DRIVE

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Westerly side of Park Drive between Marina Drive and Cove Drive.

PROJECT DESCRIPTION:

Reconstruct the westerly curb, gutter, and sidewalk along Park Drive between marina Drive and Cove Drive.

PROJECT NEED:

The project will improve the condition of this segment of roadway so it is consistent with the goal of providing a safe and efficient transportation system.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design	$25,000	IRF
Construction	$110,627	IRF
Admin/Inspection	$10,000	IRF
Total Cost =	**$145,627**	

CAPITAL PROJECT DESCRIPTION

36671, 36791 & 38681
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - PAVEMENT MANAGEMENT PROGRAM
PROJECT NAME

PROJECT LOCATION MAP:

THROUGHOUT THE CITY

PROJECT LOCATION:

Throughout the City.

PROJECT DESCRIPTION:

The Pavement Management Program is an ongoing annual program designed to extend the service life of city streets and to maintain a smooth and safe driving surface for vehicles. The City utilizes a pavement management database program to determine pavement management needs for the purpose of establishing which streets are to be oil sealed, chipped sealed, overlaid or reconstructed. On a periodic basis the condition of the roads are field surveyed and the pavement management database is updated to reflect current conditions. Each year, specific pavement management projects are defined and funding is transferred into a pavement management project account.

PROJECT NEED:

City streets require annual maintenance to maintain a safe and smooth driving surface and to extend the useful service life of the streets.

FINANCING:

Purpose	Estimated Cost	Funding Source
Pavement Management	$56,210,348	TransNet/Local*
Pavement Management	$4,701,088	Gas Tax
Pavement Management	$11,809,000	Other
Total Cost =	**$72,720,436**	

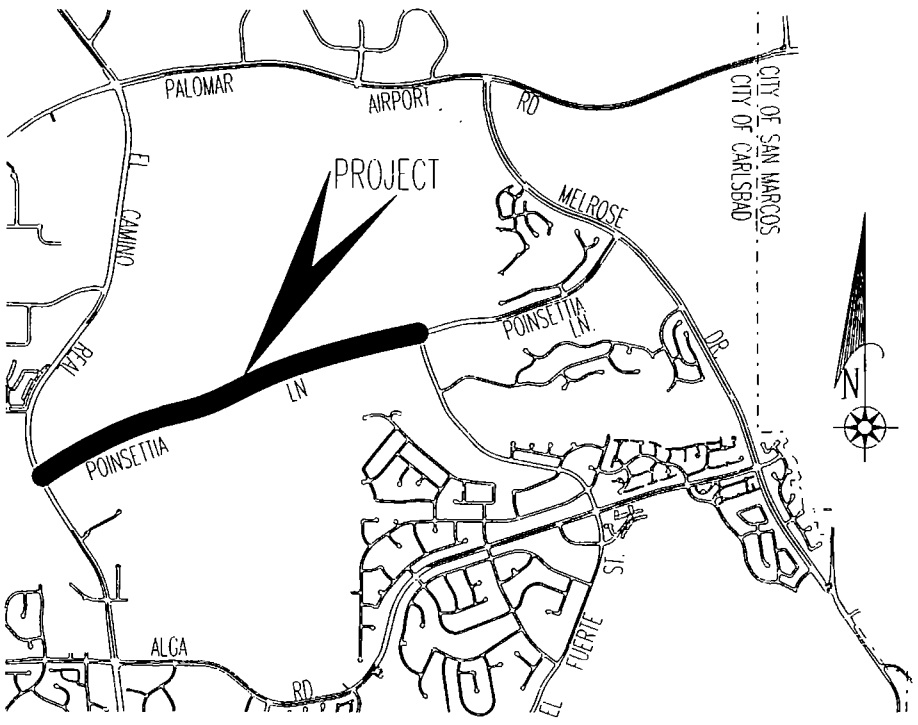
* Includes $49,993 balance forward from Project No. 38551.

CAPITAL PROJECT DESCRIPTION

36892
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - POINSETTIA LANE EAST OF EL CAMINO REAL FINANCING PROGRAM
PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along the future alignment of Poinsettia Lane from El Camino Real east to El Fuerte Street.

PROJECT DESCRIPTION:

Formation of a financing district/program to guarantee the construction of Poinsettia Lane to full major arterial standards west of El Camino Real. The project, in conjunction with the Poinsettia Lane improvements proposed west of El Camino Real, will complete another east/west arterial linkage from Melrose Drive to Interstate 5.

PROJECT NEED:

Required pursuant to the City Circulation Element and Growth Management Program.

FINANCING:

Purpose	Estimated Cost	Funding Source
Construction	$28,932,793	Other
Total Cost =	**$28,932,793**	

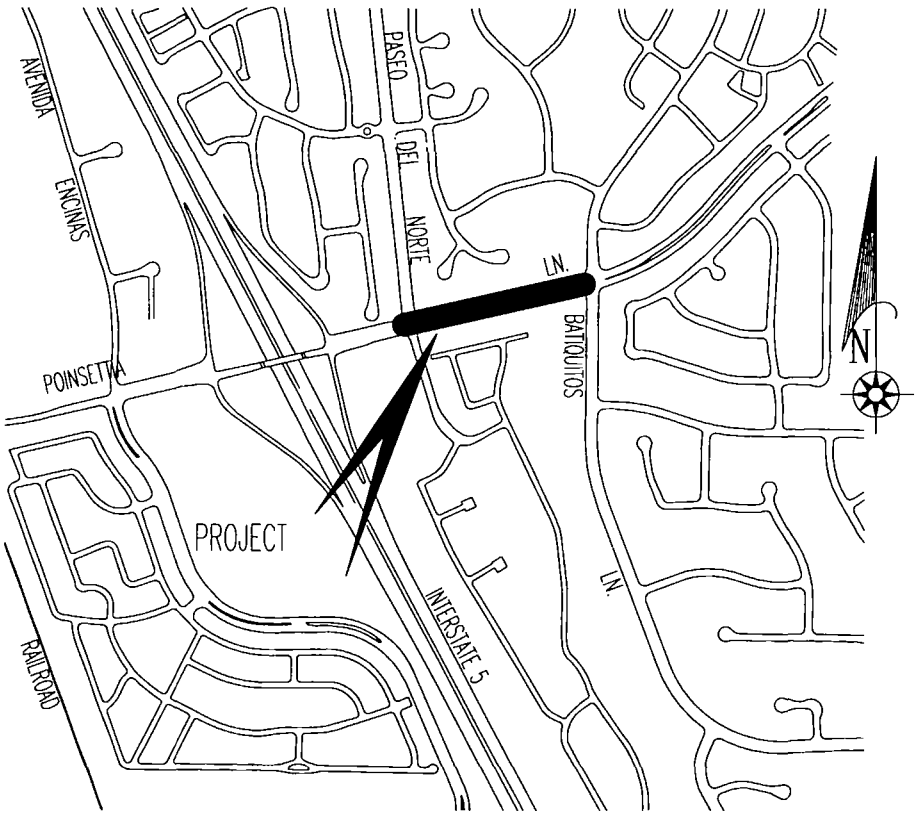
CAPITAL PROJECT DESCRIPTION

NONE
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - POINSETTIA LANE WIDENING (PASEO DEL NORTE TO BATIQUITOS LANE)

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

From Paseo De! Norte to Batiquitos Lane.

PROJECT DESCRIPTION:

Widen Poinsettia Lane from Paseo Del Norte to Batiquitos Lane to six lanes by adding one lane in each direction. Construct curb and gutter, base, asphalt pavement and sidewalk. Right-of-way is required.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$2,113,000	TIF
Total Cost =	**$2,113,000**	

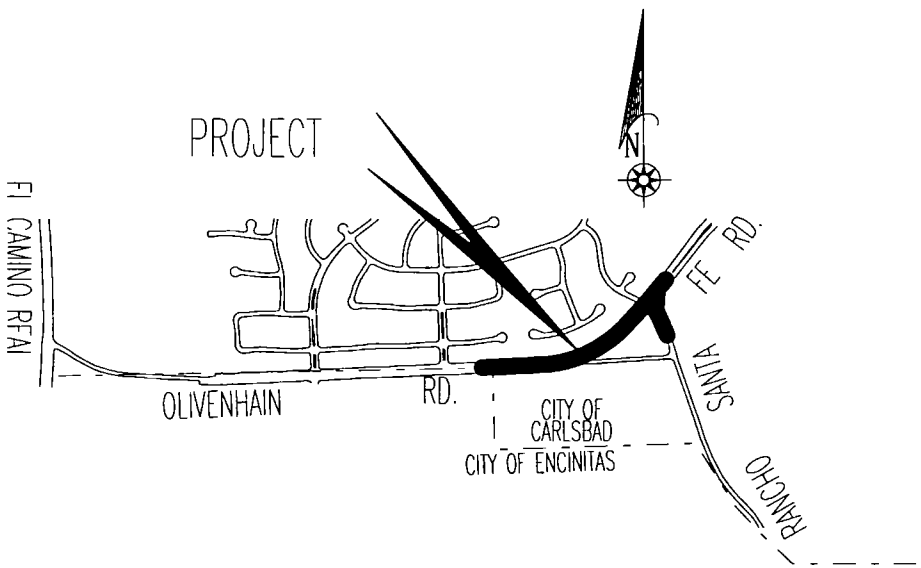
CAPITAL PROJECT DESCRIPTION

38601
PROJECT NO.

CIRCULATION SYSTEM STREETS PROJECTS - RANCHO SANTA FE ROAD AND OLIVENHAIN ROAD IMPROVEMENTS

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Intersection of Rancho Santa Fe Road and Olivenhain Road.

PROJECT DESCRIPTION:

Complete full intersection improvements to the Rancho Santa Fe Road and Olivenhain Road intersection to General Plan standards. Extend street improvements on Rancho Santa Fe Road between the Olivenhain Municipal Water District access to a distance approximately 200 feet east of the intersection with Olivenhain Road. Extend street improvements on Olivenhain Road from the intersection with Olivenhain Road west to meet existing full-width improvements within the City of Encinitas. The project would involve right-of-way acquisition, grading, storm drains, removal of existing improvements and installation of surface improvements, street lights, and coordination with agencies for utility realignment

PROJECT NEED:

These improvements are required in order to keep intersection capacity at or below the thresholds dictated by the Growth Management Standards and per the General Plan for build-out. Full intersection improvements will improve vehicular circulation and increase safety to serve the public and nearby developments to the south that will impact the intersection once full occupancy is reached. The City of Encinitas and Olivenhain Municipal Water District are in support of the project and will reimburse the City of Carlsbad for their share of the improvements.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$3,800,000	CFD #2
Total Cost =	**$3,800,000**	

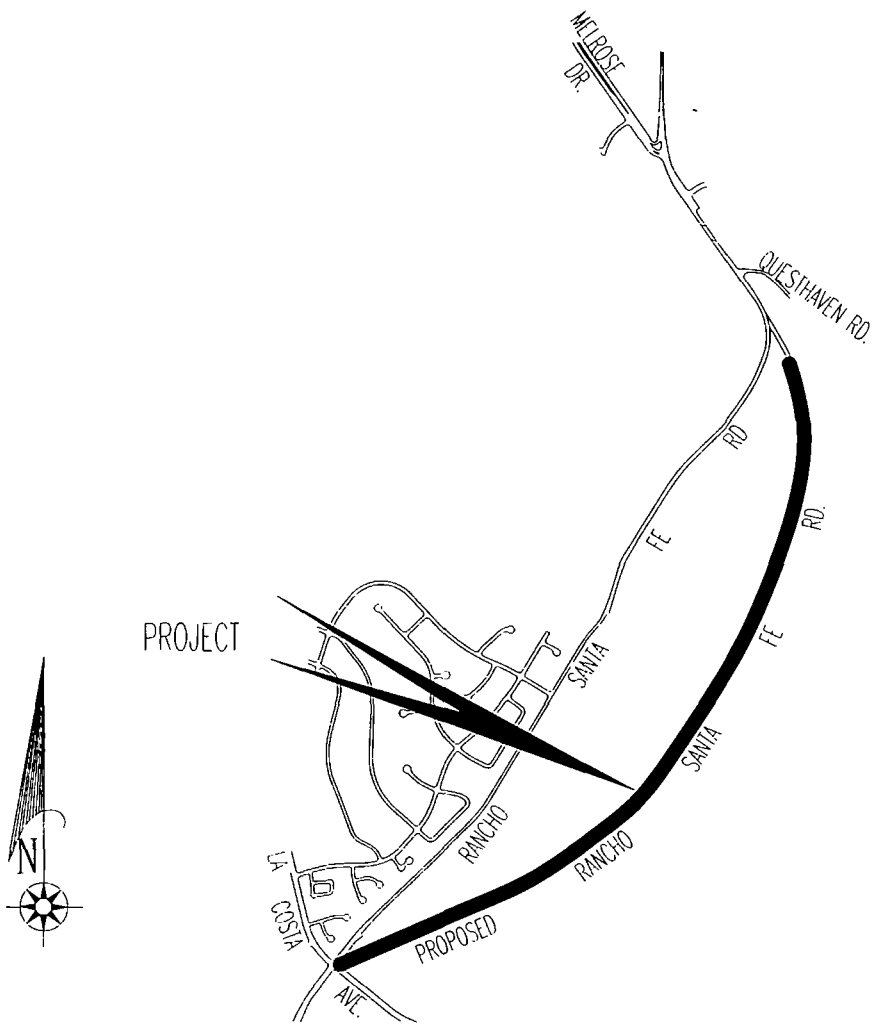
CAPITAL PROJECT DESCRIPTION

39231 & 31906
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - RANCHO SANTA FE ROAD NORTH PHASE I

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along the future alignment of Rancho Santa Fe Road from La Costa Avenue to approximately 1,800 feet south of Questhaven Road.

PROJECT DESCRIPTION:

Construction of 4 lanes of Rancho Santa Fe Road to prime arterial standards including full width grading. Project involves the realignment of Rancho Santa Fe Road easterly of its present alignment to a location approximately in the area of the current truck bypass route.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$26,406,243	CFD #2
Total Cost =	**$26,406,243**	

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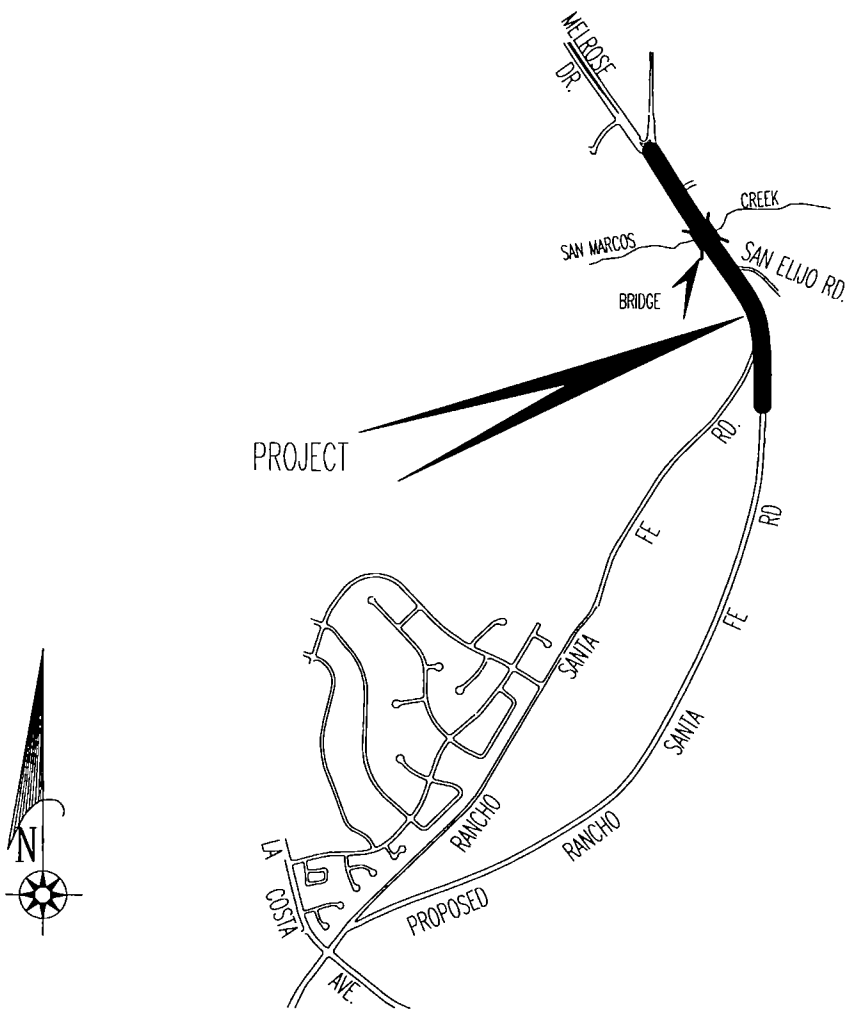
CAPITAL PROJECT DESCRIPTION

39231 & 39071
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - RANCHO SANTA FE ROAD NORTH PHASE II

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along Rancho Santa Fe Road from approximately 1,800 feet south of San Elijo Road to Melrose Drive.

PROJECT DESCRIPTION:

Realignment and widening of Rancho Santa Fe Road and construction of new bridge structures over the San Marcos Creek.

PROJECT NEED:

Required to meet Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Environmental	$3,100,000	CFD #2
Bridge	$15,319,000	CFD #2
Pipeline Replacement	$773,000	Water Replacement
Total Cost =	**$19,192,000**	

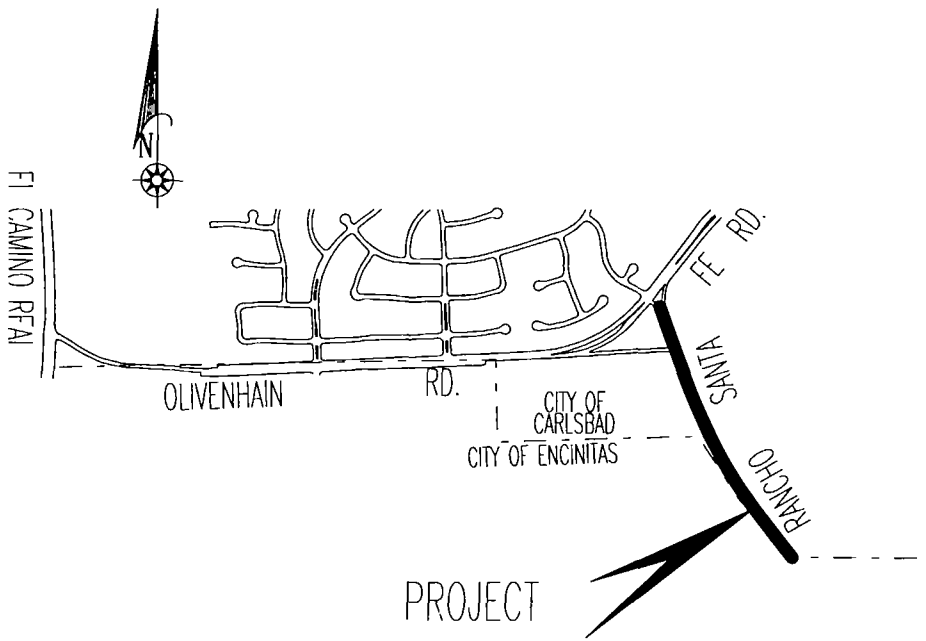
CAPITAL PROJECT DESCRIPTION

38801
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - RANCHO SANTA FE ROAD SOUTH (TO ENCINITAS)

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Along Rancho Santa Fe Road south from Olivenhain Road to Encinitas.

PROJECT DESCRIPTION:

Construction of Rancho Santa Fe Road to modified secondary arterial road standards including full width grading and necessary drainage facilities.

PROJECT NEED:

Required to meet Growth Management Standards for Zone 11 development.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$1,350,000	CFD #2
Total Cost =	**$1,350,000**	

CAPITAL PROJECT DESCRIPTION

38831 & 39531
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - SIDEWALK/STREET CONSTRUCTION PROGRAM

PROJECT NAME

PROJECT LOCATION MAP:

N/A

PROJECT LOCATION:

Various streets throughout the City.

PROJECT DESCRIPTION:

The Sidewalk/Street Construction Program is an annual program designed to complete missing links of sidewalk throughout the City. In most cases, construction of the sidewalk improvements involve construction of adjacent street improvements to bring them into conformance with City Standards. Each year, several sidewalk/street projects are selected from the City's missing sidewalk priority list for inclusion into that year's sidewalk/street construction project.

PROJECT NEED:

Required to meet the pedestrian circulation policies of the Circulation Element of the General Plan.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$3,834,259	TIF
Total Cost =	**$3,834,259**	

CAPITAL PROJECT DESCRIPTION

39281
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - TRAFFIC MONITORING PROGRAM

PROJECT NAME

PROJECT LOCATION MAP:

N/A

PROJECT LOCATION:

Citywide.

PROJECT DESCRIPTION:

Perform traffic vehicle counts, analyze and report annually on adequacy of circulation system and identify any intersections or links that fail to meet Growth Management Standards.

PROJECT NEED:

To ensure that the circulation system meets Growth Management Standards.

FINANCING:

Purpose	Estimated Cost	Funding Source
Field Counts/Reports	$1,210,611	TIF
Total Cost =	**$1,210,611**	

Annual Expenditures are approximately $70,000.

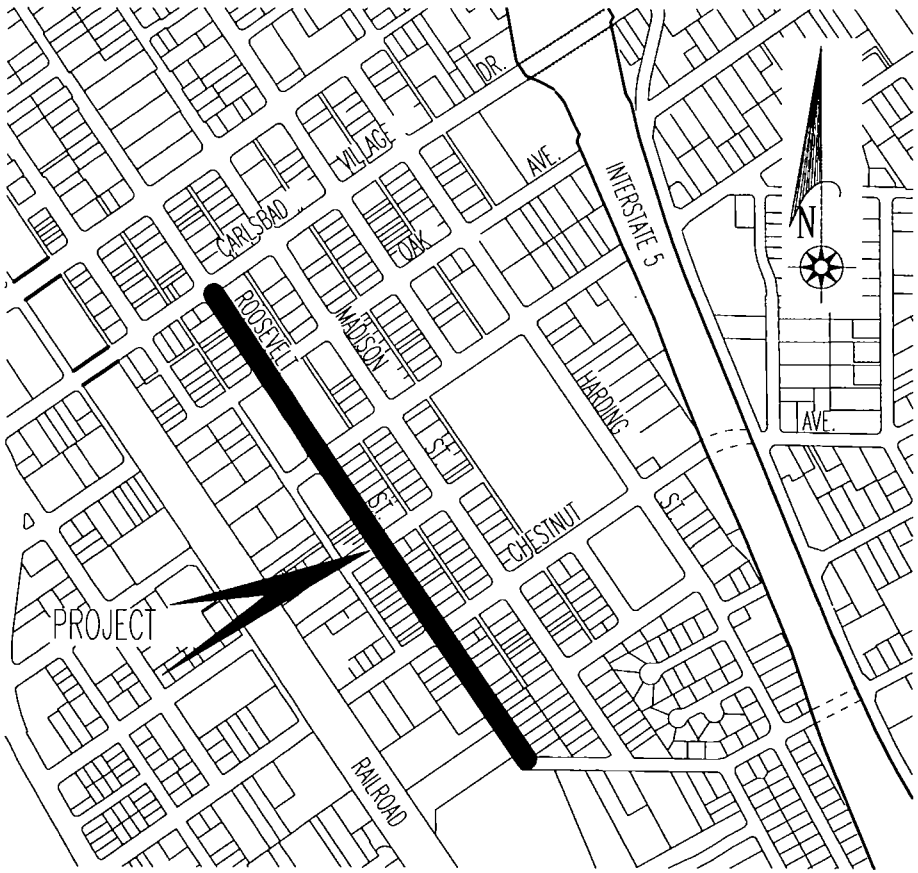
CAPITAL PROJECT DESCRIPTION

38951
PROJECT NO.

CIRCULATION SYSTEM STREET PROJECTS - UNDERGROUND UTILITY NO. 17 (ROOSEVELT STREET)

PROJECT NAME

PROJECT LOCATION MAP:



PROJECT LOCATION:

Roosevelt Street from Carlsbad Village Drive to Magnolia Avenue.

PROJECT DESCRIPTION:

Place all overhead utilities underground, including electric, telephone, and cable television lines. Work includes trenching, placing conduit and cable, restoring surface, and removal of existing poles and all overhead lines.

PROJECT NEED:

This project is identified on the City Council's adopted Underground Priority List.

FINANCING:

Purpose	Estimated Cost	Funding Source
Design/Construction	$850,000	20A Funds (SDG&E)
Street Lights	$509,800	GCC
Total Cost =	**$1,359,800**	