

**SECTION C-5
ATTACHMENTS**

MUNICIPAL ACTIVITIES

**PROGRAM EFFECTIVENESS ASSESSMENT
2006-07**



ATTACHMENT C-5.1

Traditional Municipal BMP Information

ATTACHMENT C-5.2

Fertilizer, Pesticide & IPM

ATTACHMENT C-5.3
Fixed Facility Inventory

ATTACHMENT C-5.4

Road Modifications



Attachment C-5.1 Traditional Municipal BMP Programs

During the Third Term Permit period, the Permittees have continued to implement a number of municipal activities BMP programs that were first identified in the 1993 DAMP. These BMP programs, which are the basis for **Section 5.4** of the **2003 DAMP**, are as follows:

- Trash and Debris Controls (formerly Litter Control)
- Solid Waste Collection/Recycling
- Drainage Facility Maintenance
- Catch Basin Stenciling
- Street Sweeping
- Household Hazardous Waste (HHW) Collection

In order to maintain the integrity and value of the data that has already been gathered over prior years and to provide overall validation of the success of these programs in diverting materials from the storm drain system, this information has again been provided.

C-5.A.1 Litter Control

The County uses the following practices to ensure litter control:

Litter Ordinance	<input checked="" type="checkbox"/>	Public Trash Receptacles	<input checked="" type="checkbox"/>
Clean-Up Programs	<input checked="" type="checkbox"/>	Other: (specify) Weekly inspection, removal as needed	<input checked="" type="checkbox"/>
Special/Bulky Item Pickups	<input type="checkbox"/>		

C-5.A.2 Solid Waste Collection

The total quantity of solid waste collected in unincorporated Orange County during the reporting period is estimated to be 153,790 tons.



Attachment C-5.1 Traditional Municipal BMP Programs

C-5.A.3 Drainage Facility and Infrastructure Maintenance

2006-07 Summary of Drainage Facility Maintenance

Total Length of Channel/Pipe Cleaned	51.25 miles
Total Number of Catch Basins in Unincorporated County	1,697
Total Number of Catch Basins Cleaned in Unincorporated County	1,525
Percentage of Catch Basins Cleaned ***100% inspected, 10% clean***	90%
Total Volume of Material/Debris Removed	586.5 Tons
Method of Material/Debris Removal: Hand Crews Vacuum Truck/Equipment	29% 71%
Trash Barriers	29.37 Tons (wet weight)
Method of Material/Debris Removal: Hand Crews Vacuum Truck/Equipment	20% 80%
Pump Station Cleaning	52.8 Tons (wet weight)
Method of Material/Debris Removal: Hand Crew Vacuum Truck/Equipment	22% 78%
Vault Cleaning	7 Tons (wet weight)
Method of Material/Debris Removal: Hand Crew Vacuum Truck/Equipment	100% 0%
Other: Diversions	6 Tons (wet weight)
Method of Material/Debris Removal: Hand Crew Vacuum Truck/Equipment	100% 0%



Attachment C-5.1 Traditional Municipal BMP Programs

2005-06 Summary of Diversions of Dry Weather Flows to Sanitary Sewer

Date Started	Channel Name	Location of Diversion	Costs For Diversion		Flow Diverted Average Gallons per Day
			Construction	Per Gallon	
5/02/05	E01PS3 Santa Ana River	Fountain Valley	\$0.75 Million	\$0.000625	260,000
5/02/05	D03PS1 Greenville-Banning Channel	Costa Mesa	\$1.4 Million	\$0.000778	312,000
5/02/05	D02PS1 Talbert Channel	Huntington Beach	\$1.4 Million	\$0.00233	241,000
5/02/05	D01PS1 Huntington Beach	Huntington Beach	\$0.26 Million	\$0.000433	251,000



Attachment C-5.1 Traditional Municipal BMP Programs

C-5.A.4 Catch Basin Stenciling

The total number of catch basins re-stenciled this reporting period: 269

The percentage of catch basins re-stenciled this reporting period: 16%

Type of Application(s) Used	% Used
Spray Paint	0%
Curb Markers	100%
Heat Application	0%
Adhesives	0%
Other: (specify)	0%

Phrase Used		Color Scheme Used	
No Dumping Drains To Ocean	<input checked="" type="checkbox"/>	Blue Letters on White Background	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	Black Letters	<input type="checkbox"/>
Other: (specify)	<input type="checkbox"/>	Other: (specify)	<input type="checkbox"/>

No volunteers were used to perform stenciling.

C-5.A.5 Street Sweeping

Was new street sweeping equipment purchased or new contracts established for said services?

Yes No

The following is a summary of the type(s) and number(s) of street sweepers used, sweeping frequency, and amount and type of material collected:

2004-05 Summary of Street Sweeping Activities

Type of Street Sweeper	Number of Each Type of Sweeper
Brush	3
Vacuum	0
Brush assisted	0
Regenerative Air	0
Other: (specify)	0



Attachment C-5.1 Traditional Municipal BMP Programs

**2005-06 Summary of Street Sweeping Activities
(Continued)**

Sweeping Frequency <i>(i.e. 2 times per month)</i>	Total Weight Collected For Fiscal Year (tons)	% Soil	% Leaves	% Trash/Debris
Industrial 2 times per month	74.72	39	58	3
Residential 2 times per month	423.42	39	58	3

How is the % determined? Estimates Studies

Total curb miles swept: 6,000

Additional Information	Yes	No
Parking restrictions for street sweeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activities monitored for adherence to manufacturer's specifications for optimal equipment performance?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how often? Annually		
Are streets inspected for sweeper effectiveness?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how often? Weekly		
If yes, by what means? Sweeper is Followed by inspector		

C-5.A.6 Household Hazardous Waste Collection

The County operates four Household Hazardous Waste Collection Centers which are open five days a week for approximately 250 days a year (closed holidays and rainy days). In November 2005, the hours of operation at all four permanent Household Hazardous Waste Collection Centers were increased by two hours offering collection Tuesday through Saturday from 9 am to 3 pm (formerly 9 am to 1 pm). In January 2006, the permanent Centers implemented collection of all electronics, any item that contained a circuit board and/or batteries for disposal through recycling. Throughout 2006, education and outreach on the proper disposal of electronics and other universal waste occurred through the media, solid waste handlers and city programs.

IWMD initiated a Door-to-Door Collection Program in April 2007 for homebound residents unable to transport their waste to a permanent Household Hazardous Waste Collection Center. The Program is limited to five pickups per month. During the reporting year fifteen residents were served.



Attachment C-5.1 Traditional Municipal BMP Programs

A one-day Household Hazardous Waste Collection event was held on September 9, 2006 for unincorporated Silverado Canyon. The results of the one-day event are categorized in the following table.

Silverado One-Day Event Totals

Category	Type of Waste	Amount of Waste Collected (pounds)
1. Flammable & Poison	Flammable Solid/Liquid	1,275
	Oil-Based Paint	4,900
	Poison (Excl. aerosols)	350
2. Acid	Inorganic and Organic Acid	135
3. Acids-Bases Combined	Acids Bases Combined	150
4. Aerosols	All Aerosols Combined	25
5. Reclaimable	Auto Type Batteries	2,310
6. Universal Waste	Household Batteries	30
7. Electronic Waste (UW)	Consumer Electronic Devices	698
	SB 20 / 50 Video Display Devices	1,765
8. Other HHW	Compressed Gas Cylinders	256
	Other: Bulked Non-RCRA Liquids	1,275
	Grand Total Collected	13,169 Pounds

Does the County have or participate in a used oil grant?

Yes No

What is the time frame covered by the grant?

Begins: 7/01/06

Ends: 6/30/07

Has the amount of oil that has been collected as a part of the used oil grant been quantified?

Yes No

The amount is quantified in the table below.



Attachment C-5.1 Traditional Municipal BMP Programs

Type of Waste	Waste Volumes Collected (specify units)
Used Motor Oil/Used Oil Products	148,494 gallons
Oil Filters	16,424 filters

The numbers represent only Do-It-Yourself (DIY) quantities and only DIY quantities are being tracked for reporting purposes. The data collected is from participating jurisdictions within the County's regional program. Many cities implement their own used oil and filter recycling program.



ATTACHMENT C-5.2

A. Fertilizer Management

	County personnel	Contractor	Both
1. Who applies fertilizers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Who determines which type of fertilizer to use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Who determines fertilizer application rates?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Who determines the timing of fertilizer applications?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Who determines application methods of fertilizers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Who stores the fertilizers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

7. Are slow-release fertilizers utilized?

Yes **At some facilities** No

8. Are fertilizer applications based on results from soil analyses?

Yes **At some facilities** No

8(a). If yes, indicate how often.

1 time per year prior to application

Other: Various frequencies depending on contractor

9. Do you calibrate the spreader used to apply the fertilizer?

Yes No

9(a). If yes, indicate how often.

1 time per year Prior to application

Other: Varies by contractor

9(b). How is calibration done?

Estimate per square footage

Setting on bag

Other: Contractor determines



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

10. Did you or your contractor have any large spills of fertilizers in your jurisdiction in the last year?

Yes No

11. How do you typically clean up small spills of fertilizers?

Sweep up Blow away Wash away

12. For 2006-07, how many acres of land were treated with fertilizers? **873 acres**

Fertilizer Analysis				
Brand Name	Nitrogen	Phosphorus	Potassium	Total Amount Applied (lbs.)
Scotts Turfbuilder with Weed Control	28	3	3	20
Scotts Turfbuilder	27	3	4	20
Bandini	5	5	0	50
Best Turf Supreme	16	6	8	54,262
Turf Supreme	16	16	10	750
Super Turf	16	6	8	10,000
Turf Gro	16	6	8	150
Extra Super Turf	20	10	10	8,000
Best Triple Pro	15	15	0	200
Ammonium Sulfate	21	0	0	2,050
Calcium Nitrate	15.5	0	0	4,400
Best Ammonium Phosphate	16	20	0	3,600
Hydro Urea	46	0	0	2,400
Gro-More Water Soluble	20	20	20	5,200
Gro-More Greenhouse	16	6	8	520
Turf Royal	21	7	14	2,800
Nitra King Fertilizer	16	6	8	500
Nitra King Fertilizer	21	4	4	15



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

Best Products	16	16	16	96
United Professional	16	6	8	1
Trimec Turf Supreme	16	6	8	1,500
Lesco Pro	15	15	15	6,000
Triple Super Phosphate	0	45	0	200
Sulfate of Potash	0	0	50	200
Atlas Fish Emulsion	2	1	1	25 gallons
Total acres of land treated with fertilizers				873.4

Other Nutrients and Soil Amendments	
Brand Name	Total Amount Applied
Agilizer	100 gallons
Activate	100 gallons
E-Z Green Chicken Manure	38,000 pounds
Soil Buster/Gypsum	1,800 pounds

B. Pesticide Management

1. Do you monitor for any pests?

Yes No

1(a). If yes, what method do you utilize?

Presence/absence Visual Counts Symptoms/signs
 Other: Inspections

1(b). If yes, which pests do you monitor for? (Check all that apply.)

Vertebrates: Gophers Rabbits Ground squirrels
 Other: Rats

Insects/Mites: Ants Aphids Whiteflies Spider mites Psyllids
 Other: Fire ants, bees, wasps



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

Weeds: Grasses Broadleaf

Diseases: Leaf Root Whole Plant

2. Do you monitor for biological control activity, e.g. presence of lacewings, holes in aphids?

Yes No

3. How do you identify pests? (Check all that apply.)

Books/magazines Ag. Commissioner UC Cooperative Extension

Internet Pest Control Advisor Own Experience

Other: Horticulturist, arborist, or Vector Control

4. Who applies the following in your jurisdiction?	City Personnel	Contractor	Both
Insecticides/miticides	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Herbicides	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fungicides	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Molluscides (i.e. snail baits)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Who determines the type of pesticide to apply?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Who conducts periodic inspection and cleaning of pesticide application equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Who conducts periodic inspection of pest control crew activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Who stores the following types of pesticides?			
Insecticides/Miticides	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Herbicides	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fungicides	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Molluscides (i.e. snail baits)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

County Pesticide Application- Supervisor Information	Number
9. How many people under your supervision apply or handle pesticides?	13
10. How many of these have Qualified Applicators Licenses or Certificates from the state?	13
11. How many have been formally trained in pesticide safety?	13

The information provided in the above table applies only to RDMD/O&M applicators who apply pesticides to storm channels, County Regional Park Lakes and some County parks.

12. Do you calibrate the equipment used for the application of pesticides?

Yes No

12(a). If yes, indicate how often: **Varies by applicator**

12(b). If yes, indicate how calibration is performed: **Varies by applicator**



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

13. Do you have written procedures in place to deal with pesticide spills?

Yes No

14. Did you or your contractor have any large spills of pesticides in your jurisdiction in the last year?

Yes No

15. How do you typically clean up small spills of pesticides?

Contain/Absorb Sweep Wash

16. What do you do with left over pesticide from an application?

Store for next job Dispose of pesticide by spraying on appropriate location

17. Where do you rinse your spray equipment (backpack, truck-mounted, etc...)?

Site of application Own facility Note: **Varies with applicator**

18. Where do you clean vehicles used to transport pesticides?

Own facility Commercial facility Application site Note: **Varies with applicator**

19. What is done with pesticide landing off-target (i.e. on sidewalks and streets)?

Sweep/Blow Wash Nothing Note: **Varies with applicator**

20. For 2005-06, how many acres of land were treated with pesticides? **5703 acres**

21. How many acres was each of these types of pesticides applied to?	Total Acres
Insecticides/miticides	119
Herbicides	5,590
Fungicides	6
Molluscides (i.e. snail baits)	5



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

2006-07 Summary of Pesticides Applied to County Property

Brand Name	EPA Registration Number	% Active ingredient	Total Amount Applied	Units	Category of Pesticide			
					I	II	III	IV
Garden Safe Brand	70051-2-39609	0.7	1	Pint				X
Round Up Pro	524-308A	41	7	Gal.			X	
Round Up	524-475	41	39	Gal.			X	
Round Up	524-415	41	300	Gal.			X	
Round Up Pro	524-475-2B	41	5	Gal.			X	
Round Up Pro	524-475-AA	1	2	Gal.			X	
Round Up Pro	524-445	41	33	Gal.				X
Round Up Pro	524-445	2	840	Oz.				X
Round Up Super Concentrate	71995-25	50.2	25	Gal.				X
Fusilade II	10182-393	25	4	Qt.			X	
Fumitoxin	72959-1-5857	55	0.5	Lb.	X			
Fumitoxin:Aluminum Phosphide	5857-1	55	5	Lb.	X			
Fumitoxin	5857-1-ZB	55	38.8	Lb.	X			
Fumitoxin:Aluminum Phosphide	5857-1	55	0.55	Gal.	X			
Fumitoxin:Aluminum Phosphide	5857-1	60	6	Lb.	X			
Diphacinone	12455-50003AA	0.01	550	Lb.			X	
Diphacinone	36029-50004-AA	1	87.4	Lb.			X	
Dragnet SFR	297-3062	36.8	207	Oz.			X	
Glyphosphate T&O	73320-6	41	202	Gal.			X	
Strychnine	360-50005-AA	2.6	100.5	Oz.	X			
Strychnine Alkyloid	36029-1	90	20	Lb.	X			
Reward	101-353-2A	36.4	438.7	Qt.		X		
41-A	2839-50021-	30	49.25	Lb.			X	



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

Brand Name	EPA Registration Number	% Active ingredient	Total Amount Applied	Units	Category of Pesticide			
					I	II	III	IV
	AA							
Aquamaster	524-343-AA	53.8	25	Qt.			X	
Garlon	62719-40	61.6	16	Oz.				X
Landmark MP	352-621	50	8909.28	Pk.			X	
Oust	352-401-ZA	75	72	Oz.			X	
Pathfinder II	62719-176-ZA	13.6	129.8	Qt.			X	
Stalker	241-398-AA	27.6	200.2	Qt.			X	
Telar	352-404-ZC	75	621	Oz.			X	
Zinc Phosphide	12455-17-AA	1	537.7	Oz.		X		
Razor Pro	228-366	41	7211.85	Qt.			X	
Deadline	68464-Z	4	10	Lb.			X	
Pendulum Aquacap	241-416	38.7	82.78	Qt.			X	
Transline	62719-259	40.9	2662.7	Oz.			X	
Aqua Neat	228-365-AA	53.8	7548.65	Qt.			X	
Merit	3125-439	75	23	Oz.			X	
Poast	17969-58	18	4	Pint	X			
Goal 1.6E	707-174	23	7	Pint		X		
Treflan	62719-118	43	4	Pint			X	
Ridomil Gold	100-801	47.6	1	Pint				X
Malathion 55	34704-3	55.2	2	Pint			X	
Diazinon	34704-41	48	12	Oz.			X	



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

Brand Name	EPA Registration Number	% Active ingredient	Total Amount Applied	Units	Category of Pesticide			
					I	II	III	IV
Pounce 3.2EC	279-3014	38.4	12	Oz.				X
Orthene 75	59639-26	75	1	Lb.				X
Citrine Copperas	8959-10AA	9	85	Gal.			X	
Gourmet Ant Bait	73766-2	2	5	Stations				X
Rodeo	348-04-001	53.5	200	Gal.				X
Ultra 90	17454-50021-AA	90	3321.75	Qt.			X	
Agridex	41165-0103	90	1320.3	Qt.			X	
Oryzalin	72167-15-74477	41	1.4	Qt.	X			
Weedar	71368-1	46.8	142.5	Qt.	X			
Glyphos Star Pro	42750-61	49	30	Gal.				X

C. Integrated Pest Management

Integrated Pest Management is the trend in pest management, which supports moving away from reliance on pesticides, and toward an integrated approach of using pesticides only when indicated by monitoring in addition to using environmentally friendly pest control techniques when possible.

1. Do you have a written Integrated Pest Management (IPM) policy?

Yes No

2. Do you regularly monitor for pests?

Yes No

3. Do you keep records of pest occurrences or actions taken to correct a problem?

Yes No



Attachment C-5.2, Fertilizer, Pesticide, and Integrated Pest Management (IPM)

4. When pesticides are used, do you primarily use those with the signal word "Caution"?

Yes No

List the specific alternatives to pesticides that were employed by your pest control crews in the last year. Check all that apply:

Weeds	Diseases	Insects
<input checked="" type="checkbox"/> Hand weeding/hoeing	<input checked="" type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Biological control
<input checked="" type="checkbox"/> Mulch for suppression	<input checked="" type="checkbox"/> Plant selection	<input checked="" type="checkbox"/> Plant selection
<input checked="" type="checkbox"/> Fabric for suppression	<input checked="" type="checkbox"/> Pruning	<input checked="" type="checkbox"/> Pruning
<input checked="" type="checkbox"/> Adjust mowing height	<input checked="" type="checkbox"/> Fertilization	<input checked="" type="checkbox"/> Physical removal
<input checked="" type="checkbox"/> Improve drainage (wet areas)	<input checked="" type="checkbox"/> Landscape design	<input type="checkbox"/> Landscape design
<input type="checkbox"/> Flaming		Other: Beehive removal with chemicals
<input checked="" type="checkbox"/> Landscape design		

6. Do you have a designated IPM contact for your jurisdiction? Yes No

6(a). If so, please list the contact's name and number:

Adam Ontiveros (714) 567-6236

Don McPeck (714) 567-6275



County of Orange/Orange County Flood Control District Inventory of Municipal Fixed Facilities 2007- 08 LIP

Facility Name	Facility Number	Facility Physical Address Information					Within, adjacent, or discharges to an ESA?	Watershed	Fixed Facility Threat to Water Quality	
		Street Number	Direction	Street Name	Street Suffix	Suite Number /Letter				City
San Diego Region										
County Parks										
RDMD - HBP - Laguna Niguel Regional Park	60160	28241		La Paz	Road		Laguna Niguel	yes	Aliso Creek	High
RDMD - HBP - Salt Creek Beach	60175			Selva Road/Pacific			Dana Point	yes	Dana Point Coastal Streams	High
RDMD/HBP - Aliso & Woods Canyon Reg. Park	60240	28373		Alicia	Parkway		Aliso Viejo	yes	Aliso Creek, Laguna Coastal Streams	High
RDMD/HBP - Poche Beach	70380			Camino Capistrano/PCH			Dana Point	yes	San Clemente Coastal Streams	High
RDMD/HBP - Capistrano Bch. Reg. Park	70390	35005		Beach	Road		Dana Point	yes	San Clemente Coastal Streams	High
RDMD/HBP - 1000 Steps Beach	90637	31967	S	Pacific Coast	Highway		Laguna Beach	yes	Dana Point Coastal Streams	High
RDMD/HBP - Aliso Beach	90603, 90642	31131	S	Pacific Coast	Highway		Laguna Beach	yes	Aliso Creek	High
RDMD - HBP - O'Neill Regional Park	70400	30892		Trabuco Canyon	Road		Trabuco Canyon	no	Aliso Creek & San Juan Creek	Low
RDMD - HBP - Caspers Wilderness Park	60180	33401		Ortega	Highway		San Juan Capistrano	no	San Juan Creek	Low
*RDMD - HBP - Laguna Coast Wilderness Park	60390	20101		Laguna Canyon	Road		Laguna Beach	yes	Laguna Coastal Streams	High
RDMD - HBP - Thomas Riley Wilderness Park	60350	30952		Oso	Pkwy.		Coto de Caza	no	San Juan Creek	Low
DPHD - Dana Point Youth & Group	60196-60198	34451		Ensenada			Dana Point	yes	Dana Point Coastal Streams	High
Harbor										
RDMD/HBP - Dana Point Harbor	85758	34551		Casitas	Place		Dana Point	yes	Dana Point Coastal Streams	High
DPHD - Dana Point Harbor Patrol	90604	25005		Dana Point Harbor	Drive		Dana Point	yes	Dana Point Coastal Streams	High
Corporate Yards										
HBP - South Coastal Ops Maintenance Yard	30330	34551		Puerto	Place		Dana Point	yes	Dana Point Coastal Streams	High
RDMD-Capistrano Ops Yard	30323-30326	34102		Del Obispo			San Juan Capistrano	yes	San Juan Creek	High
South County Repair Facility/Transportation S	90655	30102		Pacific Island	Drive		Laguna Niguel	no	Aliso Creek	High
Portola Pit		20483		El Toro	Road		Lake Forest	no	Aliso Creek	High



County of Orange/Orange County Flood Control District Inventory of Municipal Fixed Facilities 2007- 08 LIP

Facility Name	Facility Number	Facility Physical Address Information						Within, adjacent, or discharges to an ESA?	Watershed	Fixed Facility Threat to Water Quality
		Street Number	Direction	Street Name	Street Suffix	Suite Number /Letter	City			
<i>San Diego Region Continued</i>										
Landfills/Household Hazardous Waste Collection Sites										
**Prima Deshecha Landfill/Household Haz. W	90217			La Pata			San Juan Capistrano	no	San Clemente Coastal Streams	High
Parking Lots										
DPHD - Parking lot at North Shore Doheny Bc	85757			Puerto	Place		Dana Point	yes	Dana Point Coastal Streams	High
Detention Facility										
Probation - Joplin/Rancho Potrero	70125, 26	19480, 86		Rose Canyon	Road		Trabuco	no	San Juan Creek	Low
Probation - Los Pinos		39251		Ortega	Highway		Elsinore	no	San Juan Creek	Low
Public Building										
OCPL - Library #73/Aliso Viejo	90936	1		Journey	Street		Aliso Viejo	no	Aliso Creek	Low
OCPL - Library #11/Laguna Beach	90938	363		Glenneyre	Street		Laguna Beach	no	Laguna Coastal Streams	Low
OCPL - Library #13/Dana Point	90966	33841		Niguel	Road		Dana Point	no	Dana Point Coastal Streams	Low
OCPL - Library #70/Laguna Niguel	90971	30341		Crown Valley	Parkway		Laguna Niguel	no	Aliso Creek	Low
OCPL - Library #71/Rancho Santa Margarita	90973	30902		La Promesa			Rancho Santa Margarita	no	San Juan Creek	Low
OCPL - Library / El Toro		24672		Raymond	Way		Lake Forest	no	Aliso Creek	Low
South Justice Center/PD/Sheriff/Parking	85605	30143		Crown Valley	Parkway		Laguna Niguel	no	Aliso Creek	Low
Sheriff - Southwest Substation	92127	11		Journey			Aliso Viejo	no	Aliso Creek	Low
DPHD - Department Offices		24650		Dana Point Harbor	Drive		Dana Point	yes	Dana Point Coastal Streams	High
Other										
Sheriff - (Ortega) Comm. Radio Facility		29862		Ortega	Highway		San Juan Capistrano	no	San Juan Creek	Low

* Park extends into and is also listed in the Santa Ana Region, Los Trancos/Muddy Creek Watershed

**Active landfill also listed in the Industrial Inventory

San Diego Watersheds
Laguna Coastal Streams
Aliso Creek
Dana Point Coastal Streams
San Juan Creek
San Clemente Coastal Streams
San Mateo Creek



County of Orange/Orange County Flood Control District Inventory of Municipal Fixed Facilities 2007- 08 LIP

Facility Name	Facility Number	Facility Physical Address Information					Within, adjacent, or discharges to an ESA?	Watershed	Fixed Facility Threat to Water Quality	
		Street Number	Direction	Street Name	Street Suffix	Suite Number /Letter				City
Santa Ana Region										
County Parks, Cemeteries and Historical Sites										
*Laguna Coast Wilderness Park	60390	20101		Laguna Canyon	Road		Laguna Beach	yes	Los Trancos/Muddy Creek	High
RDMD - HBP - Mile Square Regional Park	60105	16801		Euclid			Fountain Valley	no	Huntington Harbor	Low
RDMD - HBP - Mason Regional Park	60130	18712		University	Drive		Irvine	yes	Newport Bay	High
RDMD - HBP - Talbert Nature Preserve	60140	1299		Victoria	Street		Costa Mesa	no	Santa Ana River	Low
RDMD - HBP - Santiago Oaks Regional Park	60150	2145	N	Windes	Drive		Orange	no	Santa Ana River	Low
RDMD - HBP - Craig Regional Park	60190	3300		State College	Boulevard		Fullerton	no	San Gabriel River/Coyote Creek	Low
RDMD - HBP - Ralph B. Clark Regional Park	60220	8800		Rosecrans	Avenue		Buena Park	no	San Gabriel River/Coyote Creek	Low
RDMD - HBP - Peters Canyon Regional Park	60360	8548	E	Canyon View	Avenue		Orange	no	Santa Ana River & Newport Bay	Low
RDMD - HBP - The Helena Modjeska House	60230	29042		Modjeska Canyon	Road		Modjeska	no	Santa Ana River	Low
RDMD - HBP - Modjeska Wilderness Preserve		29456		Modjeska Canyon	Road		Modjeska	no	Santa Ana River	Low
RDMD - HBP - Irvine Ranch HQ Historic Park	60300	13042		Old Myford	Road		Irvine	no	Newport Bay	Low
RDMD - HBP - Irvine Regional Park	70312	1		Irvine Park	Road		Orange	no	Santa Ana River	Low
RDMD - HBP - Carbon Canyon Regional Park	70440	4422		Carbon Canyon	Road		Brea	no	Santa Ana River	Low
RDMD - HBP - Yorba Regional Park	70450	7600	E	La palma	Avenue		Anaheim	no	Santa Ana River	Low
RDMD - HBP - Heritage Hill	90622	25151		Serrano	Road		El Toro	no	Newport Bay	Low
RDMD - HBP - George Key Ranch	90627	625	W	Bastenchury			Placentia	no	San Gabriel River/Coyote Creek	Low
RDMD - HBP - Ramon Peralta Adobe	90631	6398		Santa Ana Canyon	Road		Anaheim	no	Santa Ana River	Low
RDMD - HBP - Historic Old Courthouse	10101	211	W	Santa Ana	Boulevard		Santa Ana	no	Newport Bay	Low
RDMD - HBP - Weider Park		19251		Seapoint	Drive		Huntington Beach	yes	Huntington Harbor	High
RDMD - HBP - Limestone -Whiting Reg. Park				Glen Ranch	Road		Trabuco Canyon	no	Newport Bay	Low
RDMD - HBP - Sunset Beach/Parking	90644			Pacific Coast Highway			Sunset Beach	yes	Huntington Harbor	High
RDMD - HBP - Upper Newport Bay Nature Preserve		2301		University	Drive		Newport Beach	yes	Newport Bay	High
RDMD - HBP -Yorba Monument Cemetery	90630			Woodgate	Drive		Unincorporated	no	Santa Ana River	Low
Harbors										



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RDMD - HBP - Newport Harbor/Mothers' Beach				Bayside	Drive		Corona Del Mar	yes	Newport Coastal Streams	High
RDMD - HBP - Newport Beach Harbor Patrol	90601	1901		Bayside	Drive		Corona Del Mar	yes	Newport Coastal Streams	High
RDMD - HBP - Aquatic Park/Harbor Patrol	90607, 90643	2901		Edinger	Avenue		Seal Beach	yes	Huntington Harbor	High



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Animal Shelters										
HCA - Animal Shelter	20703-20713	561		The City Drive South			Orange	no	Santa Ana River	High
RDMD - HBP - Orange County Zoo	70313	1		Irvine Park	Road		Orange	no	Santa Ana River	High
Airport (Landside)										
John Wayne Airport	41000, 10, 21	3160		Airway	Avenue		Costa Mesa	no	Newport Bay	High
Corporate Yards										
RDMD - Construction	30301- 30312	1152	E	Fruit	Street		Santa Ana	no	Newport Bay	High
RDMD - Transportation- Fruit Street/Parking	30101-30109	1102 & 1111	E	Fruit	Street		Santa Ana	no	Newport Bay	High
RDMD - Facilities Operations	30400 - 30401	1143	E	Fruit	Street		Santa Ana	no	Newport Bay	High
RDMD - O&M - Katella Yard/Parking	90801- 06, 85	1750	S	Douglass	Road		Anaheim	yes	Santa Ana River	High
RDMD - Transportation (Civic Cnt. Garage)	10109, 85109	445		Civic Center West			Santa Ana	no	Newport Bay	High
RDMD - Collins/Bone Yard			W	Collins Av./Santa Ana River			Orange	yes	Santa Ana River	High
Landfills/Household Hazardous Waste Collection Sites										
**IWMD - Frank Bowerman Landfill		11002		Bee Canyon Access	Road		Irvine	no	Newport Bay	High
**IWMD - Olinda Alpha Landfill		1942	N	Valencia	Avenue		Brea	no	San Gabriel River/Coyote Creek	High
IWMD - Refuse Disposal Station #22 (closed)	90118	5445	E	Santiago Canyon	Road		Orange	no	Santa Ana River	High
IWMD - Refuse Disposal Station #10 (closed)	90119	18100		Gothard	Street		Huntington Beach	no	Huntington Harbor	High
IWMD - Refuse Disposal Station #24 - (closed)	90116	20661		Newport Coast	Drive		Newport Beach	no	Newport Bay	High
IWWMD - Refuse Disposal Station (closed)		3099		Santiago Canyon	Road		Orange	no	Santa Ana River	High
IWMD - Household Hazardous Waste Collection	90130	6411		Oak Canyon			Irvine	no	Newport Bay	High
IWMD - Household Hazardous Waste Collection	90132	17121		Nichols	Street		Huntington Beach	no	Huntington Harbor	High
IWMD - Household Hazardous Waste Collection Center		1071	N	Blue Gum	Street		Anaheim	no	San Gabriel River/Coyote Creek	High
Detention Facilities										
Sheriff - Musick Honor Farm/Parking	70100 -23, 53	13502		Honor Farm	Road		Irvine	no	Newport Bay	Low
Sheriff - Men's, Women's Jails, IRC/Parking	10300-10302,	550	N	Flower	Street		Santa Ana	no	Newport Bay	Low
Sheriff - Theo Lacy Jail	20601-20609	501		The City Drive South			Orange	no	Santa Ana River	Low
Probation - YGC - Admin/Dining/Kitchen/Class	20313-16, 580	3030	N	Hesperion Way			Santa Ana	no	Santa Ana River	Low

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Probation- Juvenile Hall/Med/Intake/Trailer	20306-12, 20-	331		The City Drive South			Orange	no	Santa Ana River	Low
Probation - Youth Leadership Academy		3155	W	Justice Center	Way		Orange	no	Santa Ana River	Low



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Public Buildings/Offices										
Hall of Records and Finance	10103	12		Civic Center Plaza			Santa Ana	no	Newport Bay	Low
Hall of Administration	10104	10		Civic Center Plaza			Santa Ana	no	Newport Bay	Low
Superior Court- Central Justice Center/Parking	10500-10501,	690 &700		Civic Center West			Santa Ana	no	Newport Bay	Low
Building 14 - Public Defender	10105	645	N	Ross			Santa Ana	no	Newport Bay	Low
CEO Real Estate - Bld 16	10106	601	N	Ross			Santa Ana	no	Newport Bay	Low
Civic Justice Center	10502	751	W	Santa Ana	Boulevard		Santa Ana	no	Newport Bay	Low
Sheriff/Forensic Medicine/Morgue	10304	1071	W	Santa Ana	Boulevard		Santa Ana	no	Newport Bay	Low
RDMD - Osborne Bldg.-Twin Towers	10307	300	N	Flower			Santa Ana	no	Newport Bay	Low
Sheriff -Brad Gates Building -Twin Towers	10308	320	N	Flower			Santa Ana	no	Newport Bay	Low
Law Library	10111	515	N	Flower	Street		Santa Ana	no	Newport Bay	Low
CEO - Chestnut Building Complex	30601	1119	E	Chestnut			Santa Ana	no	Newport Bay	Low
CEO - 1300 Grand/Parking - Various Users	30606 - 07, 30	1250-1300	S	Grand	Avenue		Santa Ana	no	Newport Bay	Low
New Data Center	30611	1400	S	Grand	Avenue		Santa Ana	no	Newport Bay	Low
Probation - Buffims Building/Parking	30315, 85325	909	N	Main	Street		Santa Ana	no	Newport Bay	Low
Social Services Agency - Office Bldg.	20202	2000-2020	W	Walnut			Santa Ana	no	Newport Bay	Low
HCA - 17th Street Complex (Lab, HW, Office,	30700, 01, 02,	1719, 25, 29	W	17th	Street		Santa Ana	no	Santa Ana River	Low
Manchester Office Building	20304-20305,	301		The City Drive South			Orange	no	Santa Ana River	Low



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Superior Court- Lamoreaux Justice Center	20335	341		The City Drive South			Orange	no	Santa Ana River	Low
Superior Court - Harbor Justice Center/Parking	90937, 95755	4601		Jamboree	Road		Newport Beach	no	Newport Bay	Low
Superior Court - North Justice Center/Parking	92105, 85550	1275	N	Berkeley	Avenue		Fullerton	no	San Gabriel River/Coyote Creek	Low
Superior Court - West Justice Center	94001	8141-8144		13th	Street		Westminster	no	Huntington Harbor	Low
OCPL - Library #23 - La Palma	90919	7842		Walker			La Palma	no	San Gabriel River/Coyote Creek	Low
OCPL - #42 - Los Alamitos/Rossmoor	90921	12700		Montecito	Drive		Seal Beach	no	Huntington Harbor	Low
OCPL - Library # 36 - Stanton	90928	7850		Katella	Avenue		Stanton	no	Huntington Harbor	Low
OCPL - Library #20 - University Park	90965	4512		Sandburg	Way		Irvine	no	Newport Bay	Low
OCPL - Library # 76 - Foothill Ranch	90975	27002		Cabriolet			Foothill Ranch	no	Newport Bay	Low
OCPL - Headquarters		1501	E	Saint Andrew	Place		Santa Ana	no	Santa Ana River	Low
H&CD - Anaheim Independencia Com. Cnt	90410	10841		Garza	Avenue		Anaheim	no	Huntington Harbor	Low
H&CD - Midway City Community Center	90416	14900		Park	Lane		Midway City	no	Huntington Harbor	Low
H&CD - Community Cnt.(Bldg. owned,land lease)	90402	18602-18672	E	Center	Street		Orange	no	Santa Ana River	Low
Sheriff - Pistol Range Training Facility	92104, 20,21,	1900	W	Katella	Avenue		Orange	no	Santa Ana River	Low
Public Parking Facilities										
Historic Court House Parking Lot	85113	211	W	Santa Ana	Boulevard		Santa Ana	no	Newport Bay	High
Twin Towers Parking Structure	85309	1002	W	Santa Ana	Boulevard		Santa Ana	no	Newport Bay	High
M.O.B. City Drive - North Parking Structure	85224, 25, 26	313		The City Drive			Orange	no	Santa Ana River	High
Hall of Administration Parking Lot				Santa Ana Blvd/Ross			Santa Ana	no	Newport Bay	High
Courthouse Parking Structure	10119	690	W	Civic Center Drive			Santa Ana	no	Newport Bay	High
Stadium Parking	85155	1020	W	Civic Center Drive			Santa Ana	no	Newport Bay	High
Superblock Parking				Santa Ana Blvd/Ross			Santa Ana	no	Newport Bay	High
Housing Units										
H&CD - Anaheim Independencia Rental #1	90411	10782		Garza	Avenue		Anaheim	no	Huntington Harbor	Low
H&CD - Anaheim Independencia Rental		10786		Garza	Avenue		Anaheim	no	Huntington Harbor	Low
H&CD - Anaheim Independencia Rental #2	90412	10881		Garza	Avenue	#A&#B	Anaheim	no	Huntington Harbor	Low
H&CD - Anaheim Independencia Rental #3	90413	9301		Katella	Avenue	#A&#B	Anaheim	no	Santa Ana River	Low

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H&CD - Anaheim Independencia Rental #4	90414	10821		Garza	Avenue		Anaheim	no	Huntington Harbor	Low



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Other										
RDMD - Central Utility Facility	10400	525	N	Flower			Santa Ana	no	Newport Bay	High
Social Services Agency - Res. Treatment		401		Tustin			Orange	no	Santa Ana River	Low
Social Services Agency - Orangewood Home	20348	401		The City Drive South			Orange	no	Santa Ana River	Low
Sheriff - Headquarters		550	N	Flower	Street		Santa Ana	no	Newport Bay	Low
Sheriff - Research and Development	20401	431		The City Drive South			Orange	no	Santa Ana River	Low
Sheriff - Commissary	20511	1530		State College	Boulevard		Anaheim	no	San Gabriel River/Coyote Creek	Low
Sheriff - Communications Radio Facility	20543	1944		Valencia			Brea	no	Santa Ana River	Low
Sheriff - Communications - Ops Support - Lorrain	20539-40	2644		Santiago Canyon	Road		Orange	no	Santa Ana River	Low
Sheriff - Silverado Canyon Communications	20546	29392		Silverado Canyon	Road		Unincorporated	no	Santa Ana River	Low
OCFCD - Villa Park Dam & Residence		8048		Lolita	Street		Orange	no	Santa Ana River	Low

* Most of the park lies within the San Diego Region Laguna Coastal Streams Watershed

**Active landfill also listed in the Industrial Inventory

Santa Ana Watersheds
San Gabriel River/Coyote Creek
Huntington Harbor
Santa Ana River
Newport Bay
Newport Coastal Streams
Los Trancos/Muddy Creek

Attachment C-5.4
County Road Inventory Modifications
2006-07 PEA

ROAD NAME	LENGTH MILES	LENGTH FEET	LIMITS	SERVICE AREA	TYPE OF MODIFICATION
ABYSSINIAN WAY	0.1677	885.17	45' NE/O TO 48'SE/O CLYDESDALE DR.	LADERA RANCH	ADD
ARDENNES DRIVE	0.1277	674.24	FALABELLA DR. TO HANOVERIAN WY.	LADERA RANCH	ADD
AURA LANE	0.175	923.9	TRIAD LN. TO 924' SW	LADERA RANCH	ADD
BREA BOULEVARD	0.4289	2264.8	CANYON RD	BREA	MOD LEN -
BREA CANYON ROAD	0.8706	4596.8	1403' SW TO 3194' NE/O TONNER CANYON RD.	BREA	ADD
BRISTOL STREET SOUTH	0.2614	1380	1380' SE/O SANTA ANA AVE. TO IRVINE AVE.	SANTA ANA HEIGHTS	ADD
CAMINO CAPISTRANO	0.34		.72 S/ TO .38 S/ AVERY PKWY.	SAN JUAN CAPSTRN ISLN	DEL
CHARDONNAY DRIVE	0.111	585.92	194' S/O ROANOKE DR. TO DOWNING ST.	LADERA RANCH	ADD
CHESTNUT STREET (N1/2)	0.25		THIRD ST. TO VALLEY VIEW AVE.	BREA	DEL
CITRUS LANE	0.0755	398.75	ETHEREAL ST. TO END	LADERA RANCH	ADD
CLARIN STREET	0.1314	693.97	NARROW CANYON RD. TO 694' W	LADERA RANCH	ADD
COLLINS AVENUE	0.05		PROSPECT AVE. TO .05 E/	EL MODENA	DEL
CREIGHTON PLACE	0.1129	596.33	O'NEILL DR. TO UNIVERSITY AVE.	LADERA RANCH	ADD
DORRANCE DRIVE	0.296	1562.86	77' W/O SIENNA PKWY. TO 779' W/O FALABELLA DR.	LADERA RANCH	MOD
DORRANCE DRIVE	0.1641	866.35	O'NEILL DR. TO 140' SE/O POTTERS BEND	LADERA RANCH	ADD
DOWNING STREET	0.1486	784.53	46' NW CHARDONNAY DR. TO 45' NE/O VINEYARD DR.	LADERA RANCH	ADD
ETHEREAL STREET	0.1357	716.46	CITRUS LN. TO 181' N'LY/O MELODY LN.	LADERA RANCH	ADD
ETHEREAL STREET	0.192	1013.86	179' S/O SIENNA PKWY. TO 835' N/O SIENNA PKWY	LADERA RANCH	ADD
ETHEREAL STREET	0.1142	602.72	181' N'LY/O NARROW CANYON RD. TO 179' S/O SIENNA PKWY.	LADERA RANCH	ADD
ETHEREAL STREET W 1/2	0.0052	27.68	181' N'LY TO 208' N'LY/O MELODY LN.	LADERA RANCH	ADD
ETON PLACE	0.0948	499.87	TRIAD LN. TO 84' SW/O O'NEILL DR.	LADERA RANCH	ADD
ETON PLACE	0.1253	661.5	84' W/O O'NEILL DR. TO UNIVERSITY DR.	LADERA RANCH	ADD
FALABELLA DRIVE	0.1324	699.17	107' W/O HANOVERIAN WY. TO ARDENNES DR.	LADERA RANCH	ADD
FIRST AVENUE	0.06		.03 W/ TO .03 E/ HILLCREST AVE	LA HABRA ISLANDS	DEL
GAIA LANE	0.0858	452.79	NARROW CANYON RD. TO TRIAD LN.	LADERA RANCH	ADD
HACIENDA ROAD	0.03		.05 S/ TO .02 S/ RUSSELL ST.	LA HABRA ISLANDS	DEL
HANOVERIAN WAY	0.0462	244.13	FALABELLA DR. TO ARDENNES DR.	LADERA RANCH	ADD
HARBOR BLVD FRONTAGE RD	0.1475	778.8	54' SE/O HARBOR BLVD. TO END	FOUNTAIN VALLEY ISLANDS	ADD
HILLCREST AVENUE	0.03		.17 S/ TO .14 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
HILLCREST AVENUE	0.05		.08 S/ TO .03 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
HILLCREST AVENUE (E1/2)	0.01		.19 S/ TO .17 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
HILLCREST AVENUE (W1/2)	0.01		.09 S/ TO .08 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
HILLCREST AVENUE (W1/2)	0.01		.14 S/ TO .13 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
JEFFREY ROAD	0.92		121' NE/O IRVINE BLVD. TO 0.01 SW/O SH261	NORTH IRVINE	DEL
LODEN PASS	0.1361	718.41	41' SE/O SOL ST. TO MOCHA LN.	LADERA RANCH	ADD
LULLABY CIRCLE	0.0635	335.1	MELODY LN. E AND W TO ENDS	LADERA RANCH	ADD
MELODY LANE	0.0951	502.24	ETHEREAL ST. TO END	LADERA RANCH	ADD
MOCHA LANE	0.0845	446.1	LODEN PASS TO END	LADERA RANCH	ADD
MONTE VISTA AVENUE	0.09		.23 S/ TO .14 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
MONTE VISTA AVENUE (E1/2)	0.02		.14 S/ TO .12 S/O LA HABRA BLVD.	LA HABRA ISLANDS	DEL
MONTE VISTA AVENUE (E1/2)	0.01		.11 S/ TO .10 S/ LA HABRA BLVD.	LA HABRA ISLANDS	DEL
NARROW CANYON ROAD	0.3924	2072.01	292' S/O CLARIN ST. TO ETHEREAL ST.	LADERA RANCH	ADD
NARROW CANYON ROAD	0.77	4065.21	46' SW/O O'NEILL DR. TO 292' S/O CLARIN ST.	LADERA RANCH	ADD
O'NEILL DRIVE	1.032	5449.1	46' S/O CECIL PASTURE RD. TO 278' W/O SIENNA PKWY.	LADERA RANCH	ADD
O'NEILL DRIVE	0.2108	1113.12	45' W/O HYDRANGEA ST. TO 60'E/O ANTONIO PKWY.	LADERA RANCH	MOD LEN -
PATINA LANE	0.0601	317.25	LODEN PASS TO END	LADERA RANCH	ADD
SANTIAGO CANYON ROAD	1.0678	5638	3960' N/O SANTIAGO RES TO 133' SE/O SH241 BRIDGE	SANTIAGO CANYON	MOD LEN -
SAUVIGNON DRIVE	0.0745	393.28	CHARDONNAY DR. TO VINEYARD DR.	LADERA RANCH	ADD
SIENNA PARKWAY	0.235	1240.71	O'NEILL DR. TO 105' SW/O SELLAS RD. SOUTH	LADERA RANCH	MOD LEN -
SIENNA PARKWAY	0.1388	733.03	ETHEREAL ST. TO 733' E	LADERA RANCH	ADD
SIENNA PARKWAY	0.0141	74.42	64' S TO 138' S/O O'NEILL DR.	LADERA RANCH	MOD LIM
SIENNA PARKWAY	0.3521	1858.82	733' E/O ETHEREAL ST. TO 138' S/O O'NEILL DR.	LADERA RANCH	ADD
SOL STREET	0.1236	652.35	ETHEREAL ST. TO 21' NE/ LODEN PASS	LADERA RANCH	ADD
SUGARCANE LANE	0.0524	246.47	LODEN PASS TO END	LADERA RANCH	ADD
TAFFETA LANE	0.0685	361.42	LODEN PASS TO END	LADERA RANCH	ADD
TANGO LANE	0.0874	461.33	ETHEREAL ST. TO END	LADERA RANCH	ADD
TONNER CANYON ROAD	0.106	560	560' S TO BREA BLVD.	BREA	MOD LEN -
TONNER CANYON ROAD	0.0903	476.6	264' S TO 477' N/O SR 57	BREA	MOD LEN -
TRIAD LANE	0.1594	841.63	159' NW/O GAIA LN. TO 842' NE	LADERA RANCH	ADD
UNIVERSITY AVENUE	0.3148	1662.21	46' S/O ETON PL. TO 46' N/O CREIGHTON PL.	LADERA RANCH	ADD
VINEYARD DRIVE	0.1034	545.75	DOWNING LN. TO 71' S/O CALDWELL LN..	LADERA RANCH	ADD