

## **PUBLIC WORKS QUARTERLY REPORT**

JANUARY - MARCH 2011 / 3<sup>RD</sup> QTR FY 10/11

### **FACILITIES DIVISION**

#### **BUILDING / PARK MAINTENANCE**

##### Water Conservation Activities

The next Garden Grove Pride activity will have two new categories added to the honored winners. There will be a home and a commercial business awarded for their use of plant, irrigation, and hardscape modifications that promote water conservation. A special thanks goes to the street sweeping crew for their help in the selection of candidates suitable for the honor. Another pat on the back goes to Raquel Manson and Buster Eurs for their assistance in the selection process. Public Works, in conjunction with Erin Webb in Community Development, have been putting into action programs to encourage the use of new landscaping techniques and plant materials that promote the reduction of water use within the landscape. With the shrinking supply of water, it is extremely important that the City be a leader in the development of programs and ideas to assist in these conservation efforts.

##### West Haven Skateboard Park

Currently Parks and Community Services have received the plans from American Ramp Company (ARC) for a skate park at West Haven Park. The development will be just north of the play equipment and installation will begin before summer. Park irrigation staff will be responsible for all irrigation work around the structure and sidewalk areas.

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## **BUILDING / PARK MAINTENANCE** *continued...*

### Brookhurst Street Median Revision Project

The current project along Brookhurst Street is waiting for the authorization to proceed from Cal Trans. The project contract award is expected by June 2011.

### Springdale Sidewalk/ Retaining Wall Improvement Project

The project on the east side of the Springdale overpass has started with the removal of all vegetation along the slope. Plans for sidewalk, retaining wall, and landscaping have been completed. The project is anticipated to take at least three months. This will provide pedestrians access along the east side of the freeway overpass.

### Civic Center Drive Landscape Project

Engineering has fabricated plans and awarded the contract to Excel Paving to revise the turf area along the entire median from Garden Grove Boulevard to Acacia Parkway. The project will include the removal of all turf, upgrades to the irrigation system, and the replanting of the median with plants that require minimal watering. This project is the latest attempt to revise the landscaping as part of water conservation measures throughout the City.

### Katella Avenue Smart Street Project

Work continues along the north side of Katella Street with the addition of new block wall sections, irrigation and planters. New medians have been formed and planting will soon take place.

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## **VEHICLE MAINTENANCE**

### New Equipment

The division is currently seeking City Council approval to purchase one new Fire Department medical response vehicle and two Public Works utility trucks. Additionally, the division has taken delivery of and put into service, one new backhoe and one new backhoe trailer. Furthermore, the division has taken delivery of one new compressed natural gas (CNG) dump truck that is currently out for painting and striping.

### Open Positions

The division has two open mechanic positions.

### Service Requests

These figures represent the work requested by the user departments; not represented are the routine jobs completed by the Division:

<u>Pending</u>	<u>Requested</u>	<u>Completed</u>
18	384	366

## **STREETS DIVISION**

### **STREET MAINTENANCE**

#### Concrete Work Order Backlog

The Street Division is working in conjunction with City contractors to eradicate and complete over 300 backlogged concrete work orders. It is anticipated that the present backlog will be completely eliminated by May 15, 2011.

#### Prop 1B Central Garden Grove Residential Overlay Phase II

The Central Garden Grove Overlay Phase II is complete. Various residential streets totaling 363,627 square feet were rehabilitated.

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## STREET MAINTENANCE *continued...*

### Prop 42 City Aid Program (CAP) – Phase II

This project was funded in part by a \$403,928 grant obtained through the county's Proposition 42 City Aid Program (CAP.) All preparations have been completed, including more than 4,000 linear feet of damaged and non-functional curb and gutter that was removed and replaced due to tree root intrusion. The successful low bidder is R.J. Noble Company. Construction is scheduled to begin May 2, 2011, and will take approximately 15 days to complete. The following is a list of the streets:

MAP PAGE & STREET	LIMITS	LENGTH	WIDTH	TOTAL AREA (ADJUSTED) Square Feet
N/S Chapman Ave. Frontage Rd.	Emerald St. to Springdale Ave.	1908	27.4	52,763
N/S Chapman Ave. Frontage Rd.	Springdale St. to Wildgoose St.	2178	27.4	65,476
<b>Total Adjusted Sq. Ft.</b>				<b>118,239</b>

### PATCH TRUCK

	Jan-11	Feb-11	Mar-11	QTR Total
<b>Potholes Patched</b>	243	154	258	<b>655</b>
<b>Sidewalks Patched</b>	11	17	25	<b>53</b>
<b>Utility Patches</b>	11	5	12	<b>28</b>
<b>Graffiti Markings Patched</b>	1	0	1	<b>2</b>
<b>Other Patches</b>	118	55	86	<b>259</b>
<b>Tonnage</b>	31	23	36	<b>90</b>

### CONCRETE / ASPHALT CREW

	Jan-11	Feb-11	Mar-11	QTR Total
<b>Curb &amp; Gutter (Ln Ft)</b>	1,916	941	0	<b>2,857</b>
<b>Sidewalk (Sq Ft)</b>	2,591	3,081	967	<b>6,639</b>
<b>Concrete (Yds)</b>	215	25	33	<b>273</b>
<b>Potholes</b>	289	0	0	<b>289</b>
<b>Other (Sq Ft)</b>	1,209	2,892	50	<b>4,151</b>
<b>Asphalt (Tons)</b>	123	293	174	<b>590</b>

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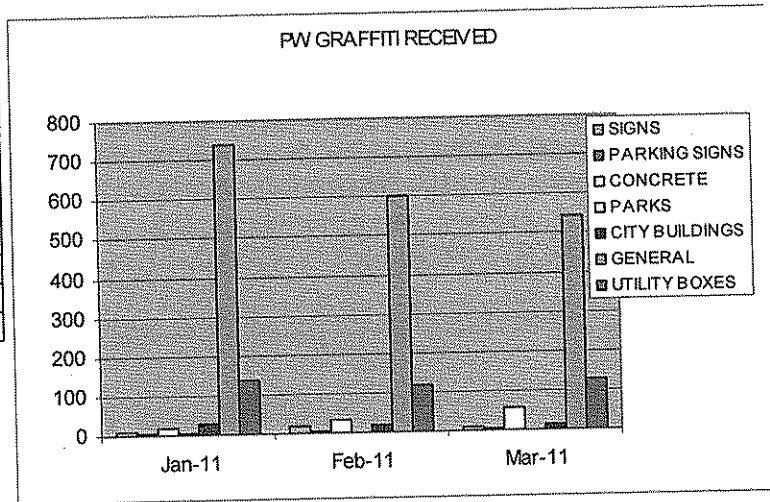
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## STREET MAINTENANCE *continued...*

### GRAFFITI ABATEMENT

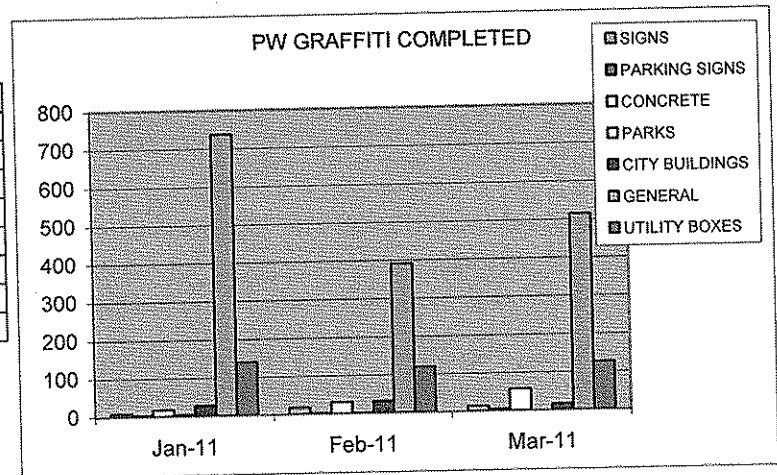
#### Workorders Received

GRAFFITI REQUESTS	Jan-11	Feb-11	Mar-11
SIGNS	8	20	11
PARKING SIGNS	3	3	4
CONCRETE	18	33	55
PARKS	4	2	1
CITY BUILDINGS	28	21	16
GENERAL	737	602	543
UTILITY BOXES	139	118	126
<b>TOTAL</b>	<b>937</b>	<b>799</b>	<b>756</b>



#### Workorders Completed

REQUESTS COMPLETED	Jan-11	Feb-11	Mar-11
SIGNS	8	18	13
PARKING SIGNS	3	2	5
CONCRETE	18	30	57
PARKS	4	1	0
CITY BUILDINGS	28	31	16
GENERAL	737	391	514
UTILITY BOXES	139	119	126
<b>TOTAL</b>	<b>937</b>	<b>592</b>	<b>731</b>



### HAZMAT

#### Training

Small Spills Team completed the HAZWOPER (Hazmat) 8-hour refresher training on March 23, 2011.

#### HAZMAT

Hazmat crews responded to 13 cleanup requests.

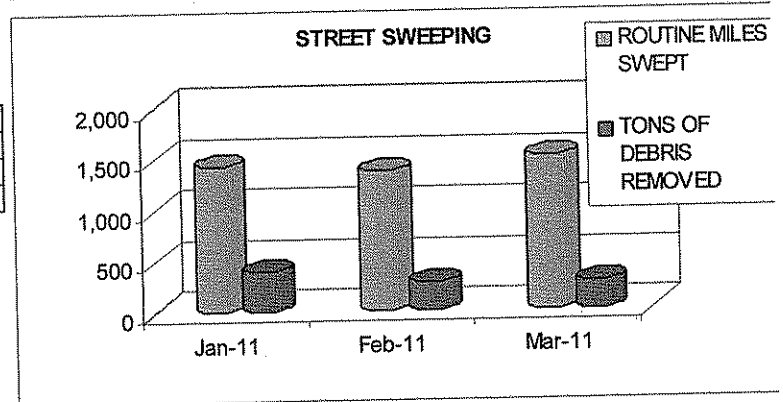
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## STREET MAINTENANCE *continued...*

### STREET SWEEPING

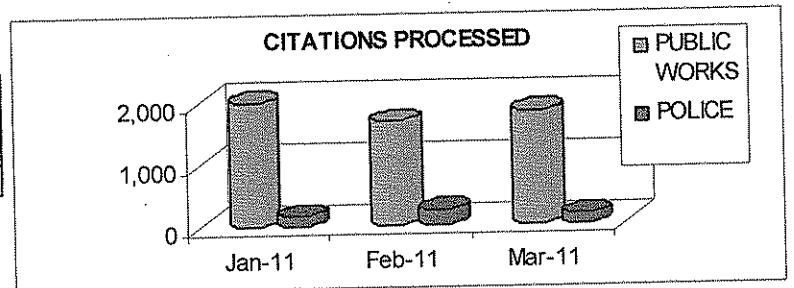
	Jan-11	Feb-11	Mar-11
ROUTINE MILES SWEPT	1,430	1,380	1,515
TONS OF DEBRIS REMOVED	390	271	265
SPECIAL SWEEPS	0	1	0



### PARKING ENFORCEMENT

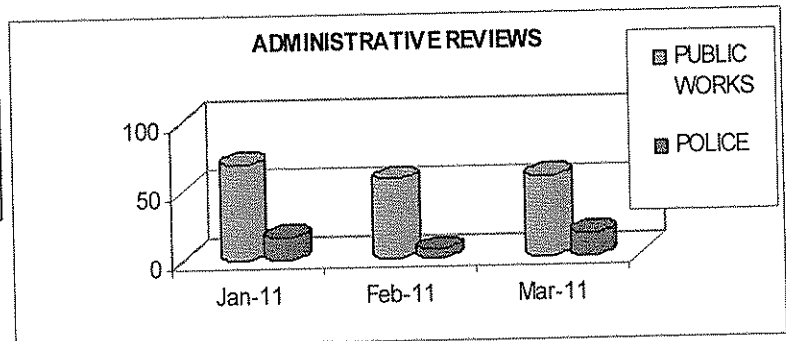
#### CITATIONS PROCESSED

DEPARTMENT	Jan-11	Feb-11	Mar-11
PUBLIC WORKS	1,995	1,679	1,827
POLICE	154	242	149
TOTAL	2,149	1,921	1,976



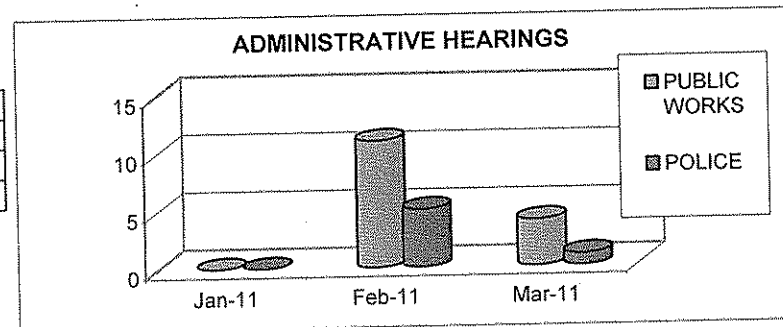
#### ADMINISTRATIVE REVIEWS

DEPARTMENT	Jan-11	Feb-11	Mar-11
PUBLIC WORKS	69	57	58
POLICE	16	6	16
TOTAL	85	63	74



#### ADMINISTRATIVE HEARINGS

DEPARTMENT	Jan-11	Feb-11	Mar-11
PUBLIC WORKS	0	11	4
POLICE	0	5	1
TOTAL	0	16	5



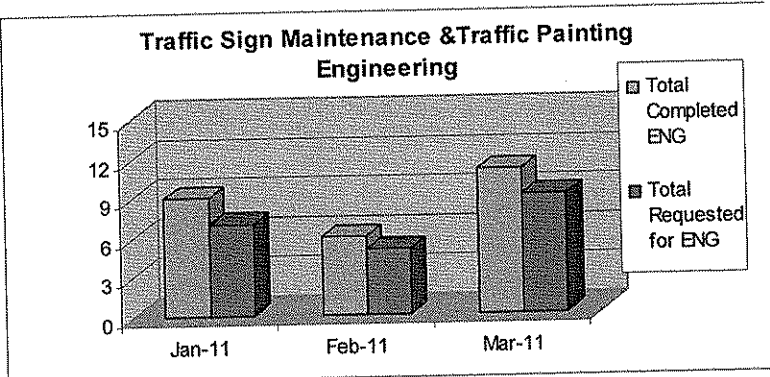
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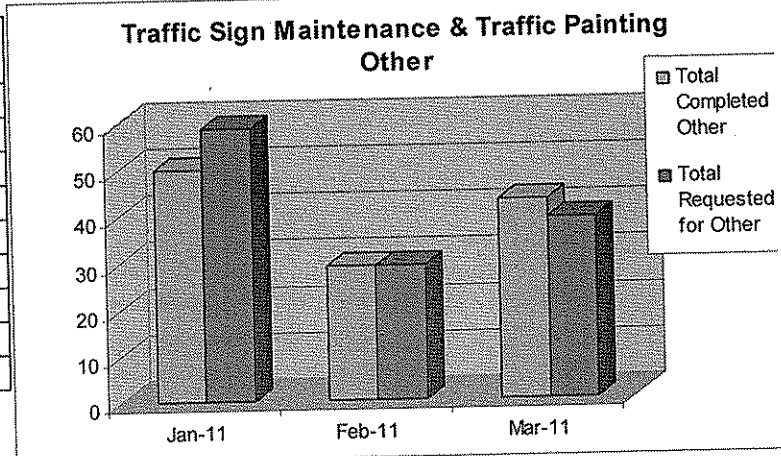
## STREET MAINTENANCE *continued...*

### TRAFFIC SIGN MAINTENANCE & PAINTING

ENGINEERING				
COMPLETED:	Jan-11	Feb-11	Mar-11	QTR TOTALS
CURB PAINTING	2	5	4	11
STREET STRIPING	2	0	0	2
TRAFFIC SIGNS	4	0	6	10
PARKING SIGNS	1	0	1	2
MISC SIGNS	0	1	0	1
<b>Total Completed ENG</b>	<b>9</b>	<b>6</b>	<b>11</b>	<b>26</b>
<b>Total Requested for ENG</b>	<b>7</b>	<b>5</b>	<b>9</b>	<b>21</b>



COMPLETED:	Jan-11	Feb-11	Mar-11	QTR TOTALS
CURB PAINTING	0	3	3	6
STREET STRIPING	1	0	1	2
TRAFFIC SIGNS	29	0	8	37
PARKING SIGNS	4	0	5	9
GRAFFITI ON TRAFFIC SIGNS	8	18	13	39
GRAFFITI ON PARKING SIGNS	3	2	5	10
MISC SIGNS	5	6	8	19
<b>Total Completed Other</b>	<b>50</b>	<b>29</b>	<b>43</b>	<b>122</b>
<b>Total Requested for Other</b>	<b>59</b>	<b>29</b>	<b>39</b>	<b>127</b>



#### Diana Pham Girl Scout Project

Right of Way Crews assisted Girl Scout, Diana Pham, with the repainting of the Vietnamese Monument Signs in the center median of Brookhurst between Hazard and Trask on Saturday, January 12, 2011.

#### Other Community Events

- February 26, 2011: Provided traffic control devices for the West Garden Grove Little League Parade.
- March 20, 2011: Provided traffic control devices for the Push Cart Derby.

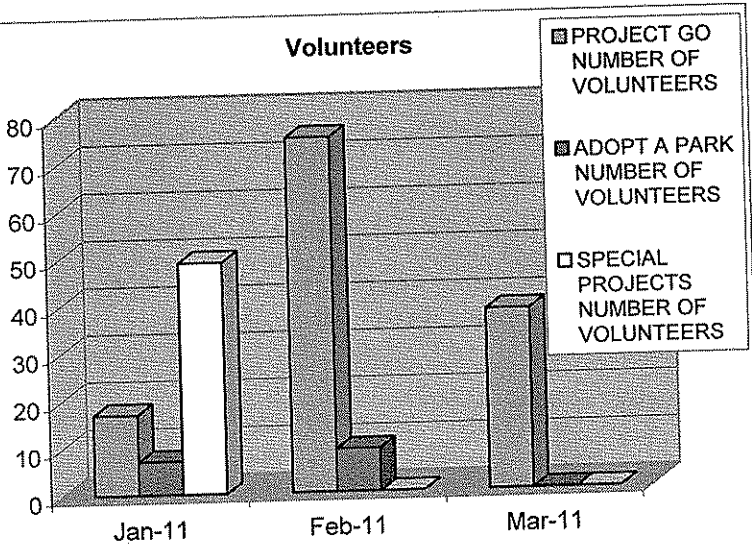
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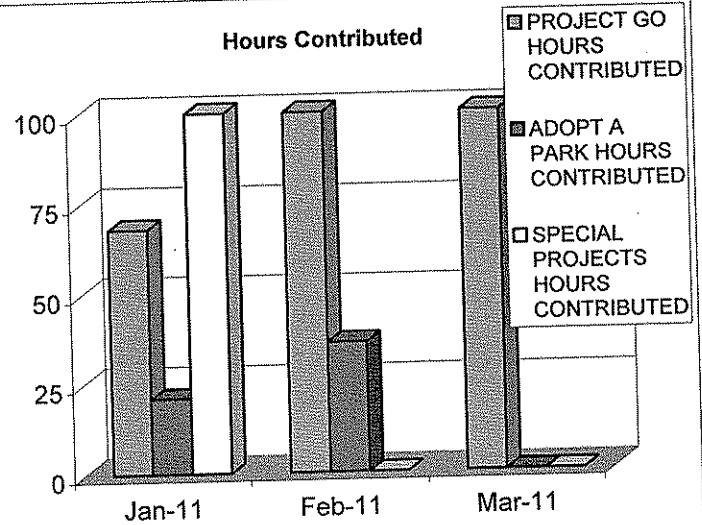
## VOLUNTEER PROGRAMS

VOLUNTEERS	Jan-11	Feb-11	Mar-11	QTR Totals
PROJECT GO NUMBER OF VOLUNTEERS	17	75	38	130
PROJECT GO HOURS CONTRIBUTED	68	300	134	502
ADOPT A PARK NUMBER OF VOLUNTEERS	7	9	0	16
ADOPT A PARK HOURS CONTRIBUTED	21	36	0	57
SPECIAL PROJECTS NUMBER OF VOLUNTEERS	49	0	0	49
SPECIAL PROJECTS HOURS CONTRIBUTED	196	0	0	196

**Volunteers**



**Hours Contributed**





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## TREES/FLOOD CONTROL

### TREE MAINTENANCE/FLOOD CONTROL

	Jan-11	Feb-11	Mar-11	QTR Total
<b>Res. Channels</b>	85	135	146	<b>366</b>
<b>Catch Basins</b>	264	293	573	<b>1,130</b>
<b>Cross Gutters</b>	6	3	29	<b>38</b>
<b>Underground</b>	46	56	74	<b>176</b>
<b>Screens</b>	6	141	3	<b>150</b>
<b>Gate Drains</b>	138	177	171	<b>486</b>

	Jan-11	Feb-11	Mar-11	QTR Total
<b>Sucker Removal</b>	99	231	98	<b>428</b>
<b>Tree Removal</b>	17	26	18	<b>61</b>
<b>Stump Removal</b>	1	1	3	<b>5</b>
<b>Tree Planting</b>	9	3	7	<b>19</b>
<b>Tree Trimming</b>	91	137	182	<b>410</b>
<b>Limb Pick-Up</b>	73	32	30	<b>135</b>

Seven tons of debris were removed from the City's storm drain systems during the 3<sup>rd</sup> quarter of FY 10/11.

## ENVIRONMENTAL COMPLIANCE

### National Pollutant Discharge Elimination System (NPDES)

- The Environmental Compliance Division (ECD) conducted 290 NPDES inspections, of which 22 were at industrial facilities and 268 were at commercial facilities.
- ECD responded to 67 NPDES violations and complaints.
- Environmental Specialist, Allen Serna, assisted the County of Orange, Watersheds Division, at the Children's Water Education Festival at the Nixon Library. He helped educate 180 4th, 5th and 6th graders, including Garden Grove's Anderson Elementary, on ocean pollution prevention and what they can do at home to protect our local waters.

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## **ENGINEERING**

### Euclid/Hazard Intersection Improvements

All communication under-grounding has been successfully carried out. A through-lane on Hazard Avenue from the Euclid/Hazard intersection to approximately 500 feet west of Euclid has been added. The project will be fully completed by April 2011.

### Brookhurst/Garden Grove Intersection Improvements

Utility poles have been relocated. Paving and signal work are currently underway. The project is scheduled to be complete by April 2011.

### Euclid Street Right Turn Lane at SR 22 Freeway On-Ramp

On November 9, 2010, the City Council approved the project as complete. A notice of completion has been filed accordingly.

### Fairview/Trask Intersection Improvement

On June 8, 2010, RJ Noble was awarded the contract in the amount of \$499,433 for improvements constituting the addition of a southbound through-lane on Fairview Street and a right-turn lane from southbound Fairview Street onto westbound Trask Avenue. Project completion is scheduled for April 2011.

### 2010 Five Arterial Street Rehabilitation – Phase XI

On June 22, 2010, City Council awarded the project to All American Asphalt in the amount of \$2,045,000. All street segments on Springdale have been completed. Construction for the segments on Dale Street between Orangewood to Katella was started on March 14, 2011, and is 10% complete. Remaining street segments are slated for completion in October 2011.

### 2011 Five Arterial Street Rehabilitations – Phase XII

Five more arterial segments have been added to the current Capital Improvement Plan to ensure compliance with OCTA's expenditure requirements. The following are the streets to be rehabilitated: Chapman (Valley View-Springdale), Chapman (Western-RR tracks), Western (GG Blvd.-Simmons), Garden Grove Boulevard (Beach-Fern), Trask (Euclid-Harbor). All American Asphalt was awarded the contract on February 22, 2011 in the amount of \$2,197,000. Furthermore, construction started on March 30, 2011 and it will be concluded in June 2011.

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## **ENGINEERING** *continued...*

### Springdale Retaining Wall Sidewalk

Cedars Engineering Construction was awarded the project in the amount of \$397,000. Improvements will involve the construction of a retaining wall and pedestrian sidewalk on the east side of Springdale Street from the SR22 overpass to the base of the hill. Project began on March 14, 2011, and is scheduled for completion in June 2011.

### Euclid/Garden Grove Intersection Improvements

Bids for construction were opened on February 24, 2011. Excel Paving Company is the apparent low bidder with a bid of \$1,081,970. Construction is anticipated to begin June 20, 2011, with completion in September 2011.

### Traffic Management Center/Tenant Improvements

The contractor has installed approximately 95% of the underground conduit and 80% of the fiber optic cable. The Traffic Management Center Tenant Improvement is 75% complete. All infrastructure is finished. Pending items include furnishing and data line connections. All construction and improvements will be completed by May 2011.

### West and Wilken/Daniel Traffic Signal

City Council awarded a contract to Pro Tech Engineering, Corp. on September 14, 2010 to construct a new traffic signal at West and Wilken/Daniel. Construction began on March 21, 2011, and it will be completed by May 2011.

### Grant Awards – Lampson Median Installation Project

Engineering was recently awarded a federal grant in the amount of \$900,000 for the construction of a landscaped median on Lampson Avenue between Manley Street and Knott Avenue. Colored concrete will also be installed in parkways next to the sidewalk. Construction will follow as soon as the West County Connector project on the SR 22 completes its work on the Valley View Bridge, and the current traffic congestion on the west side subsides.

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## ENGINEERING *continued...*

### Counter Tracking – Land Development Activity

MONTH	STREET PERMITS ISSUED	SEWER PERMITS ISSUED	GRADING PERMITS ISSUED	STREET PERMITS FINALED	PROJECT REVIEW RECEIVED*	T MAP	P MAP
JANUARY	19	1	0	13	36	3	0
FEBRUARY	11	1	0	9	22	0	1
MARCH	31	0	0	26	30	2	0
<b>QUARTER</b>	<b>61</b>	<b>2</b>	<b>0</b>	<b>48</b>	<b>88</b>	<b>5</b>	<b>1</b>

## WATER SERVICES

### Well 31 Drilling

Palm Springs Pump began construction of the drilling of Well 31 and the installation of nitrate monitoring equipment for Well 28 in August 2010. Well 31 drilling is completed, but the Well 28 modification will not be complete until mid May 2011 due to a late arrival of a new motor for Well 28. The construction is taking place at the Lampson Pump Station site.

### Well 21 Improvement and Westhaven Booster Pump Replacement Project

Cora Constructors, Inc. has completed approximately 60% of the construction. Construction should be completed by July 2011.

### Well 22 Improvement and West Garden Grove Booster Pump Engine Replacement

City Council awarded the design contract to Bureau Veritas North America, Inc. in February 2011. The final plans and specifications are due in October 2011.

### 11<sup>TH</sup> Street-Washington Avenue Water Main Project

Tetra Tech has completed approximately 99% of the design. The final plans and specifications are due in April 2011.

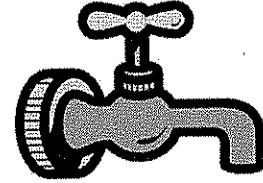
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## **WATER SERVICES** *continued...*

### Safety and Job Training

- Hand and Power Tool Safety
- Power Tool Safety High Impact
- Slips, Trips and Falls



### Water Services requests:

<u>Completed</u>	<u>January-March 2011</u>
Angle Stops/Miscellaneous	27
Standby Requests/Night	162
Standby Requests/Day	143
Underground Service Alerts	285
Water Quality Customer Inquiries	16
Cross-Connect Reports	389
Cross-Connect Inspections	17
Replacements-Service	116
Fire Hydrant Replacements	3
Meter Replacements	378
Main Breaks	3
New Installation	8
Gate Valve Replacement	9

## **GARDEN GROVE SANITARY DISTRICT**

### Sewer Operations

- Due to roving checks of the sewer system, GGSD staff alleviated 4 potential sanitary sewer overflows (SSOs).
- Sewer Repair Crew has completed 7 spot repairs identified in the Rehabilitation Plan.

### Safety and Job Training

- GIS/Work Order System
- Lift Station Chart Recorders
- Portable Power Tool Safety
- First Aid for Bleeding
- Fire Extinguishers – Types and Uses

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## GARDEN GROVE SANITARY DISTRICT *continued...*

### Sewer Improvement Projects

- **Brookhurst-Parliament Sewer** – Paulus Engineering, Inc. has completed 65% of construction.
- **Belgrave Lift Station** - AKM Consulting has completed approximately 99% of the design. The final plans and specifications are due in April 2011.
- **CIP Project 20, 21, 22 & 23 (Lampson Ave. – Twintree Cir. Sewer)** – Harris & Associates has completed approximately 95% of the design. The final plans and specifications are due in May 2011.
- **CIP Project 24, 25, & 26 (Twintree Ln. – Haster St. Sewer)** – Approximately 85% of the in-house design is complete. The final plans and specifications will be completed by June 2011.

### Sewer Maintenance Activities

Completed	January – March 2011
Number of Hot Spots Washed	235
Linear feet of main lines washed	97,300
Linear feet of CCTV Televised	12,000
Flow Monitoring Locations	2
Underground Service Alert (USA)	42

### Sewer Service Requests

Completed	January – March 2011
Sewage Stoppages (work hours)	7
Sewage Stoppages (after hours)	1
Sewer Overflows (District)	2
Sewer Overflows (Private)	2
Number of Customer Inquiries	16
Sewer Inspections-contractor generated	7
Sewer Inspections-project generated	18
<b>TOTAL:</b>	<b>53</b>
FOG Inspections:	85
FOG Non-compliance / Violation notifications:	62
<b>TOTAL:</b>	<b>147</b>