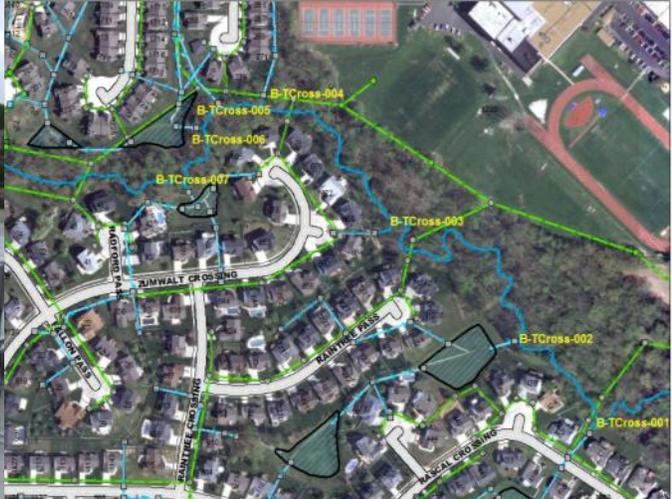


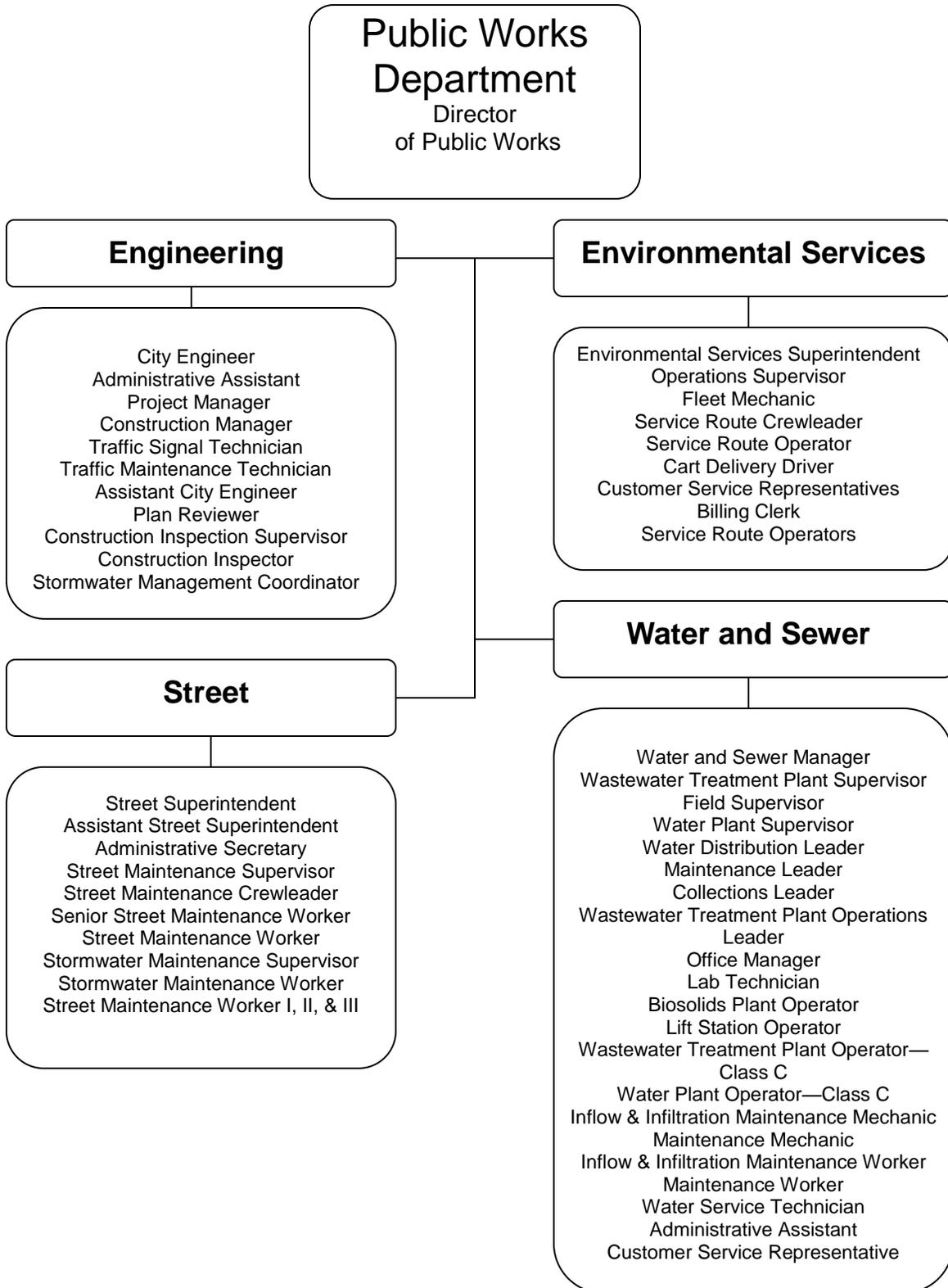


Public Works Department
2012
Annual Report





Public Works Department Organizational Chart



Introduction

Public Works Department

O'Fallon Public Works Department is composed of four independent divisions that provide vital services to O'Fallon's residents and businesses.

Environmental Services (trash, recycling and yard waste)	636.272.0477
Engineering	636.379.5596
Streets	636.379.3808
Water and Sewer	636.281.2858

The Department is dedicated to maintaining and improving O'Fallon's quality of life by planning for future needs, building and maintaining municipal infrastructure, managing public capital improvement projects and promoting environmental health and safety. The department is responsible for regular maintenance on City roads, storm sewers, water mains and sewer lines, and also provides residential trash, recycling and yard waste collection. When it snows, staff provides around-the-clock snow and ice removal on public thoroughfares throughout the City.

The Public Works Department also works closely with the Community Development Department to manage the growth and development of the City, to promote the general welfare, and to enhance the quality of life for all City residents. In particular, Public Works staff participates extensively in the review and approval process for all proposed site development projects. Once projects gain approval and site development begins, staff provides daily inspections, particularly during site grading and the installation of public infrastructure, such as water and sewer lines.

There are needs common to all human beings that must be met through the provision of public works services. These needs are met on a daily basis by visionary, value-driven, and hardworking men and women who provide and sustain public works services in the best interests of their communities.

In 2012, the total City budget was \$75 million with Public Works making up \$36 million or 48% of the total City budget. City wide there are 384 full-time positions with 107 of these positions existing within the Public Works Department.



Environmental Services

ENVIRONMENTAL SERVICES DIVISION

Director of Environmental Services

Jim Wenzara

Operations Supervisor

Kurt Hake

Customer Service Representatives

Donna Reiser

Terrie Seymour

Jackie Rose



ENVIRONMENTAL SERVICES DIVISION

Maintenance Tech

Jim Schuster

Service Route Operators

John Cook
Dan Iler
Ryan Morris
Dave Lengenfelder
Mike Wheelahan
Dimitrous Jewell
Mike Eaton
Shawn Korte
Dontrius Mitchell
Dave Moloney

John Osewalt
Glenn Schoppenhorst
Kevin Thomas
Steve Doerhoff
Dennis Lowrey
Mike Globosky
Drummond Suggs
Todd Greer
David Reed
Kevin Doherty



ENVIRONMENTAL SERVICES DIVISION

Duties and Responsibilities

Primary and Secondary Services

- In 2012, the ES Division completed nearly three million service pick-ups with trash collection and recycle accounting for approximately 1,290,744 each and additional 321,658 yard waste pick-ups.
- The Waste Transfer Station operation takes in about 7,800 tons of trash from third party haulers on a monthly basis on top of the 1,760 tons of trash and 553 tons of recycling generated by our own City's residents.

General Description of each Service

- Trash collection – There are seven routes that run on Monday, Tuesday, Thursday and Friday. Each driver works four ten-hour days. Each home is serviced one time per week. Our trucks are automated trucks that allow the driver to do his work without getting out of the vehicle. All residents are issued City owned trash carts, either 96 or 64 gallon. Some residents choose to get additional cart at an extra charge. Residents are asked to place all trash in the carts with the lids closed as any material not inside the City-provided cart will not be serviced.
- Bulk service is available at \$20 per hopper. We also offer residents an opportunity to bring their bulk trash to our transfer station, on a bi-monthly basis, at no charge. There are limits and rules that apply.
- Recycle collection – There are five routes that run Monday thru Friday. Each driver works five eight hour days. Each home is serviced one time per week. Although all residents are offered this service at no additional charge with their trash service, many still do not participate. Our trucks are automated trucks that allow the driver to do his work without getting out of the vehicle. All resident are issued City owned 64 or 96 gallon recycle carts. The city offers Single Stream Recycling. This makes things very easy for the residents as they don't have to sort their recyclables. Currently we have a contract with Resource Management that nets the city a minimum of \$15.50 per ton for the material.
- Yard Waste collection – There are two routes that run Monday through Friday from mid-March through mid-December. (During peak times there are three routes that run daily). Each driver works five eight-hour days. This service is run with rear-loading trucks with two drivers that alternate responsibilities throughout the day. Yard waste collection is an additional service which requires residents to sign up for at an additional charge. We currently have about 8,700+ active clients.

ENVIRONMENTAL SERVICES DIVISION

Duties and Responsibilities

- Appliance pickup – Residents can call to schedule a pickup of an appliance at an additional charge. We currently sub this work out to appliance recyclers.
- City trash containers – The yard waste drivers service twenty-two rear loading containers throughout the City on Mondays and Thursdays only. These containers are located in various locations such as all parks, the senior center, etc.
- Transfer Station operation – The transfer station is operated by FWCD, but still owned by the City of O'Fallon. The transfer station is open from 7 a.m. to 4 p.m. Monday through Friday.

All of the services offered are successful because of the committed employees that are in the Environmental Services Department. We don't go home until the job is complete. Everyone helps one another if we are short a route or a route has been down. There is a strong commitment to teamwork here.



ENVIRONMENTAL SERVICES DIVISION

2012 Highlights and Accomplishments

- Provides service to two remote drop-off sites within the city for residents and non-residents alike to drop off recyclable material 24 hours a day. The sites are located at TR Hughes Ball Park (west parking lot) and in Monticello Plaza (in the Shop n Save parking lot).
- Upgraded the software in the IPads that are located in each vehicle to provide the drivers with the most up to date information available to make their jobs more efficient.
- Purchased three new automated side-load trucks that are primarily used for trash and recycling materials
- Benefitted from our negotiated contracted disposal rates with FWCD, the City of O'Fallon is currently paying \$21.96 per ton to not only dispose of our waste but that price also includes FWCD running the transfer station, the scale house, loading and transporting the waste to the landfill. The average price per ton just to dispose of solid waste at an area landfill is \$40 to \$50 per ton and some are even higher.
- Saved the City over \$300,000 per year since it began its contract with FWCD. Currently, with the increase in landfill fees, labor and fuel, the City saved at least \$750,000 per year over what we could do for ourselves. This lets us provide our residents with the lowest monthly service rates in the area and possibly the state.
- Purchased additional tools and equipment to make more internal repairs to our fleet saving the City over \$25,000 on vehicle repair costs to outside vendors.
- Reached 25% recycling for the first time.

2012 Year End Statistics

Environmental Services Division collected:

- 41,618,000 pounds of trash
- 13,268,000 pounds of recyclable material in which we were paid \$165,850
- 7,615,000 pounds of yard waste
- We were paid \$93,930 in third party royalties.
- Provided 24,872 residents and non-residents with service.

ENVIRONMENTAL SERVICES DIVISION

Division Goals for 2013

- Look for new ways to improve route efficiency through equipment like GPS and automated arm upgrades.
- Continue to do more in-house repairs to our fleet utilizing the newly acquired training and knowledge.
- Increase recycling participation by the use and information we get from new programs using a GPS system. It will identify the areas and homes that have lower or no participation. We then can work to educate those residents of the benefits of recycling.
- Increase recycling tonnage by 5%.
- Work to solidify our disposal rates through an extension of our agreement with FWCD or another contractor.
- Coordinate an Electronics/Appliance Recycling drop-off event for residents. If it works out well and is well-attended, we will look to have these twice each year. This project is just about set to go in the late spring of 2013.



Street Division

STREET DIVISION

Duties and Responsibilities

The Street Division provides infrastructure maintenance to improvements within the City's right-of-way. The division currently maintains approximately 704 lane miles of streets which includes approximately 1,100 cul-de-sacs. The value of these assets is estimated at more than \$200 million dollars.

With safety and emergencies taking priority over all other operations, the Street Division's time and resources go towards the removal and replacement of damaged road slabs, crack sealing, safety correction in sidewalks, street creep remediation, and "A" joint installation. The Street Division is also tasked with pothole repairs, street sweeping, pavement markings, a wide variety of construction projects, supporting activities directed by other divisions, and the removal of snow and ice during winter months. The Street Division will also conduct infrastructure improvements as budget and time allows.

The Street Division completed 2,341 work orders and replaced 1,607 street slabs.



STORMWATER

Duties and Responsibilities

STORMWATER MAINTENANCE PERSONNEL

Ryan Rockwell
Brad Cordsiemon
Aaron Adams



The City of O'Fallon Stormwater Division is responsible for the repair and maintenance of all pipes and structures within the City limits. The Division maintains approximately 228 miles of pipe and 13,925 structures throughout the City. This maintenance includes repairing cracked or broken pipes and inlets and backfilling sinkholes that are caused by infrastructure deficiencies. The crew also cleans structures and sills on an as needed basis as well as inspecting and cleaning pipe when needed. This division is also responsible to ensure that the thirty-five box culverts that are maintained have no obstructions. The Stormwater Division responds to citizens' concerns which make up 95% of the open work orders. The other 5% of the work orders come from internal employees or through observation while on other requests for work.

The Stormwater Division currently consists of four positions. The positions are one Foreman, one Stormwater Maintenance Crew Leader, and two Stormwater Maintenance Workers. In 2012 there were only three full time positions. The Stormwater Maintenance Crew completed 380 work order requests. Of these completed 143 were carried over from 2011 or before. The Maintenance Crew received 299 work order requests in 2012. Of the 299 received the crew was able to complete 237. The remaining 62 have been carried over to 2013. The crew inspected 33,150 feet of stormwater pipe.

STREET DIVISION

2012 Highlights and Accomplishments

In addition to the daily tasks and duties, the Street Division worked on several projects in 2012 which included but was not limited to the following highlights:

Public Works Fair

Once again, as part of National Public Works Week, the Street Division hosted the City's Annual Public Works Fair on Wednesday, May 23rd, at the T.R. Hughes Ballpark parking lot at Tom Ginnever Avenue and T.R. Hughes Blvd. This year, we had over 1,700 visitors at the Fair.

Admission to the fair is free and both parents and teachers are encouraged to bring youngsters to the event which highlights the services provided by all of O'Fallon's Public Works Departments.

Activities of this Fair include an opportunity for children and adults to see the City's big trucks and heavy equipment "up close and personal" and to meet the personnel who run this equipment. Also included in the activities are free rides on O'Fallon's Krekel Line Train, giveaways, games, exhibits, and a free lunch of hotdogs, chips and soda.



STREET DIVISION

2012 Highlights and Accomplishments

Snow Plow Training

On Wednesday, November 7th, the Street Division conducted the annual snow removal training beginning at 8:00 a.m. All scheduled Snow Fighters reported to T.R. Hughes Parking lot for hands-on training and to the Street Division Conference Room for training on policy and procedures.

The purpose of this annual training is to present the City's snow removal policy, the new route maps, safe plowing procedures, and the proper procedure for filling out paperwork. The hands-on training at the parking lot includes an obstacle course, backhoe training and equipment troubleshooting. This gives the snowfighters the opportunity to become familiar with equipment and the routes that they are scheduled to plow.

After the training concludes, everyone headed to the 401 S Cool Springs Facility where lunch was served and we held the Annual Snowfighters Chili Cook-off. All snowfighters are invited to participate in the cook-off. The judges for this year's cook-off were Mark Morrison with the O'Fallon Fire Dept, Patti Vehige with DeWitt Insurance, Terry Adams and Sheldon Hartsfield. This year's winners were Dan Scherer, Director Water and Sewer with the hottest chili, Conan Stott, Citizens First, 1st Place, Kevin Wiest,



STREET DIVISION

2012 Highlights and Accomplishments

Salt Coop 2012-2013

We continued managing and participating in the Salt Coop for the 2012-2013 season. We had 2 new members join the Coop, bringing the membership to 10 governmental agencies; 5 municipalities, 3 counties, 1 special road district and 1 school district. Total salt ordered for the Coop is 7,750 tons.

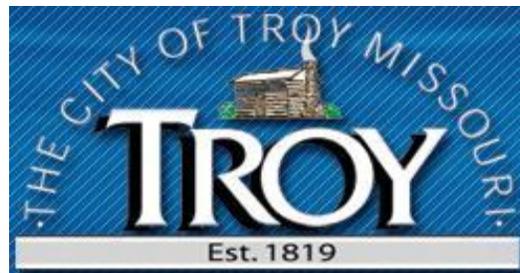
There are a couple more municipalities who have already voiced their interest in joining the Coop for the 2012-2013 snow season.



FORT ZUMWALT
R-II SCHOOL DISTRICT



Elsberry
Special
Road
District



STREET DIVISION

2012 Highlights and Accomplishments

2012 CIP / Work Orders

- **Street Slabs**– replaced 1,607 street slabs from the 2012 CIP list and 503 street slabs from work orders
- **Sidewalks**– 580 slabs
- **Curbs**– 3,064 linear feet
- **Street Creeps**– 353
- **Sweeper**- swept 3,236 miles
- **Striper**– striped 119 linear lane miles, 436 crosswalks, 625 arrows, 345 stop blocks and 34 islands.

****with the help of eleven seasonal employees, the Streets Division completed 2,341 work orders****



STREET DIVISION

2012 Highlights and Accomplishments

Salt Storage Building

- Used in-house personnel to grade, set and pour footing and set block wall.
- Asphalt floor part of 2012 Asphalt Program
- Worked one-on-one with contractor to ensure building would meet City's need
- Capable of stockpiling 2,500 tons of road salt
- Total cost of construction \$40,300



STREET DIVISION

2012 Highlights and Accomplishments

Snow Removal 2012

During 2011-2012, we had 6 snow events that required a response from the City. The City utilizes employees and vehicles from several different departments throughout the City: Parks, Water/Sewer, Environmental Services, Stormwater, Construction Inspection, Building Inspection, Engineering, Fleet, Facility Maintenance, Building Maintenance and Streets. We had 853 snow plow hours that occurred outside of normal business hours.

Snow Season (Nov-April)	Snow Events	OT/ Comp Hours (hours outside normal business hours)	Salt Delivered (Tons)	Cost Per Ton with Delivery
2011-2012	6	853	4,196	\$56.85
2010-2011	11	2,495.50	3,920	\$49.50
2009-2010	9	1,564.50	2,767	\$62.75
2008-2009	7	676.4	2,400	\$114.00



STREET DIVISION

Division Goals for 2013

There are many goals to be achieved in 2013 and the years to come. Below is a synopsis of many of the goals that the Street Division will be working on this year:

- With the assistance of a six-man seasonal slab replacement crew, replace 1,200 slabs (25,800 square yards) in house.
- With the assistance of a six-man seasonal crew, complete 1,600 work orders for curb and sidewalk repairs and other various repairs that had been put on hold due to manpower limitations.
- Install 250 "A"- joints throughout the City.
- Improve the new Street Creep application process providing longer lasting and more aesthetic buffer joint.
- Set up a brine/geobrine system at Feise Rd salt storage facility and have it fully operational by fall 2013.

Water and Sewer Division

WATER AND SEWER DIVISION

WATER & SEWER DIVISION OFFICE PERSONNEL

Dan Scherer
Betty Payne
Christine Grabin
Sally Cuthbertson

WATER & SEWER FIELD PERSONNEL

SUPERVISORS

Field Supervisor

Vacant

WWTP Supervisor

Rick Stephan

WTP Supervisor

Dan Ismay

FOREMAN

Dustin Grabin / Doug Reiser

Dave Simko

Ben Thomson

Brandon Gilbert

OPERATORS / MECHANICS

Bill White
Zach Beck
Terry Cronin
Steve Meyers
Aaron Howard
Jeremy Daniels
Steve Eisenbeis
Kenny Barton

Jeremy Barron
Robert Swink
Tim Hellebusch
Dave Richardson
Aaron Howard
Jon Plessner
Tom Heinz
Floyd Bowman

James Carnahan
David Wahoski
Dan Myers
Lori Short
Eric Huenefeld
Steven Sparks
Darrell Weeks



Field Crew



Operators and Mechanics



WATER AND SEWER DIVISION

Duties and Responsibilities

The Water Division ensures that the residents of O'Fallon have a safe and ample supply of water to sustain a normal life. This includes the maintenance and operation of a distribution system that has approximately 171 miles of water mains in size ranging from 2" to 30", a state-of-the-art 6MGD Reverse Osmosis Water Treatment Plant which is supplemented by 4 deep rock wells, and 4 booster stations in various strategic points within the system. Staff produces a potable water supply that exceeds the treatment criteria set by state and federal authorities.

The Sewer Division ensures that the residents of O'Fallon have a safe and effective means to dispose of wastewater which includes maintenance activities of 210 of miles sanitary collection lines ranging in size from 6" to 48" in diameter and 16 sanitary sewer lift stations. WWTP Staff maintains a 11.25 MGD wastewater treatment plant and generates an effluent that exceeds the treatment criteria set by state and federal authorities. Sludge generated from the treatment process goes through a state of the art biosolids treatment facility that produces a Class "A" Registered Fertilizer that is currently being used to amend farmland in St. Charles County.

The Water and Sewer office staff handles the day-to-day customer complaints that come in and also is responsible for maintaining and generating billing records for the water and sewer departments.



WATER AND SEWER DIVISION

2012 Highlights and Accomplishments

THE BIG MOVE

In June of 2012, the Water and Sewer Field crews began the process of relocating to their newly acquired and remodeled facility located on Cool Springs Road. All equipment, tools and office furniture associated with Field Operations were moved from the WWTP on Firma Road to the new facility. It is truly amazing how much stuff can accumulate over the years. Administrative services at the Elm Street building also relocated to the new facility and billing services relocated to the Finance Department in City Hall. All in all, the move and transition went well and the Field Staff and Administrative staff have a new home. Below are few pictures of the new offices, conference room and shop area.



WATER AND SEWER DIVISION

2012 Highlights and Accomplishments

2012 proved to be a busy year for both the water and the sewer side with several capital improvement projects kicking off and continuing from 2011:

Water

- Rehabilitation of Water Treatment Plant Filter # 1 was completed in 2012. Along with the rehabilitation, enhancements were added to the filter to increase the operational efficiency of the filter. Enhancements will allow the filter to stay on line longer which reduces the amount of backwash water needed to maintain the filter.



- Painting of Tower # 3 was awarded in 2011 and work began in the late spring of 2012. The tower was stripped of old paint inside and out and a new urethane coating system was applied along with the new City of O'Fallon logo. The coating system should have a life expectancy of 20 years.



WATER AND SEWER DIVISION

2012 Highlights and Accomplishments

- The development of plans for a 2 million gallon water storage tank began in 2012. Along with the development of plans was the site selection for the location of the tank. It has been determined that the storage tank will be located at the Water Treatment Plant. Plans are nearly complete with a mid-to-late February 2013 bid advertisement anticipated.



- Ground Storage Tank # 7 Painting began in the fall of 2012. The interior of the tank has been completed and the exterior will be completed in early spring of 2013. The same urethane coating system that was used on tower # 3 will be applied to this tank.

- Chemical Treatment was performed on two of the raw water wells feeding the Water Treatment Plant. This treatment removes the build-up of iron and scale at the pump intake screen and ultimately increases the output capacity of the wells.



WATER AND SEWER DIVISION

2012 Highlights and Accomplishments

- Leak detection equipment was purchased with capital funds. This equipment will allow staff to locate leaks and main breaks in a more efficient manner, which will ultimately reduce the amount time it takes to make the repair and the amount of water loss to the system.
- The Water and Sewer Division provided uninterrupted service during a major drought.

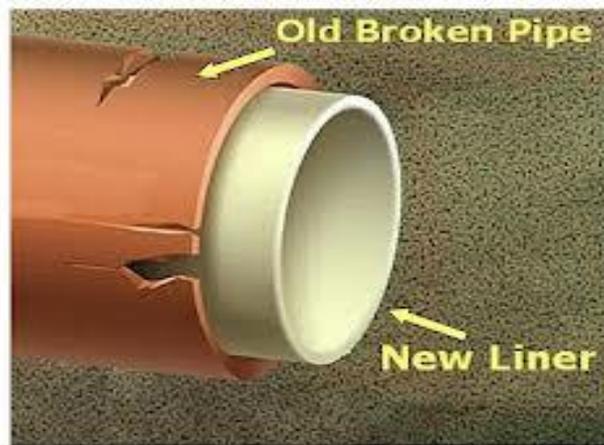


WATER AND SEWER DIVISION

2012 Highlights and Accomplishments

Sewer

- Rehabilitation of approximately 10,300' of large diameter corrugated metal pipe was performed in 2012. Means of rehabilitation was the insertion of Cured In-Place Pipe, which in essence inserts a structural, leak proof liner inside the existing pipe w/o excavation. This eliminates infiltration into the sanitary sewer line which reduces the amount of flow being treated at the WWTP Facilities.



- Blower and Diffuser Replacement were completed in 2012. This project included the removal of 2 centrifugal type blowers and the installation of one, energy efficient turbo blower, and the removal of old fine bubble diffusers and the installation of energy-efficient panel type diffusers. The new blower went on line in April of 2012 and to date has saved the City approximately \$39,202.00 in electrical costs. Annual savings is estimated to exceed \$45,000.00. This project was partially-funded by a grant received from MDNR.



WATER AND SEWER DIVISION

2012 Highlights and Accomplishments

- Wastewater Treatment Plant SCADA Upgrade was awarded in 2011 and equipment acquisition, programming and installation began in early 2012. This project involved the updating of the current proprietary SCADA technology and will provide the operators at the facility with a more efficient means of monitoring and controlling the processes at the treatment facility.



- Acquisition of a Utility Body Service Truck was also accomplished within the sewer fund. This truck will aid the WWTP maintenance crew in numerous ways around the facilities. It is equipped with a crane, welder, air compressor, and numerous tool and equipment storage bins.



WATER AND SEWER DIVISION

2012 Year End Statistics

Water

- Water Produced in 2012 – 1,351,991,100 gallons
- Average Day Delivery 2012 – 4.029 million gallons
- Peak Day Delivery 2012 – 8.402 million gallons (6/24/12)
- Service Requests 2012 – 3,539
- Line Locates 2012 – 6,111
- Total Number of Bills Generated in 2012 – 86,842
- State Certified Employees – 16 (numerous employees carry multiple certifications)
- Water has 11,795 customers
- 171 miles of underground pipe

Sewer

- Wastewater Treated in 2012 – 2,469,000,000 gallons
- Average CBOD in 2011 – 8.0 mg/L (cannot exceed 25 mg/L)
- Average TSS in 2011 – 10 mg/L (cannot exceed 30 mg/L)
- Total blockage call outs for 2012 – 86
- Total number of actual blockages for 2012 – 14
- Line Locates in 2012 – 6,111
- Total Number of Bills Generated in 2012 – 86,842
- State Certified Employees – 18 (numerous employees carry multiple certifications)
- Sewer has 15,789 customers
- 210 Miles of underground pipe
- Rehabbed 10,300 feet of pipe

WATER AND SEWER DIVISION

Involvement and Awards

- President-Elect of the Missouri Water Environment Association / Dan Scherer
- Richard Stephan received the MWEA Wastewater Treatment Operator of the year award
- Missouri Water Environment Association Collection System Committee
- Missouri Water Environment Association Bio-solids Committee
- Missouri Water Environment Association Plant Managers Committee

“In Memory of Darrell Weeks”



WATER AND SEWER DIVISION

Division Goals for 2013

There are many goals to be achieved in 2013 and the years to come. Below are the goals that the Water and Sewer Division wishes to achieve in 2013:

- Continue to provide excellent customer service and maintain a 30-minute response time for emergencies that occur during and after business hours.
- Continue to reduce water loss and keep water loss at a minimum
- Continue to recommend energy-efficient capital improvement projects to better the system and to meet the public's needs
- Continue to meet the demand on all systems as the City grows
- Continue to provide a safe and ample potable water supply for all residents and businesses
- Strive to reduce sanitary sewer back-ups by increased line maintenance and grouting
- Continue to meet and or exceed compliance criteria set by regulating authorities
- Provide public outreach to schools in an effort to kindle an interest, educate and increase awareness in the water and wastewater fields
- Assist other City departments as needed

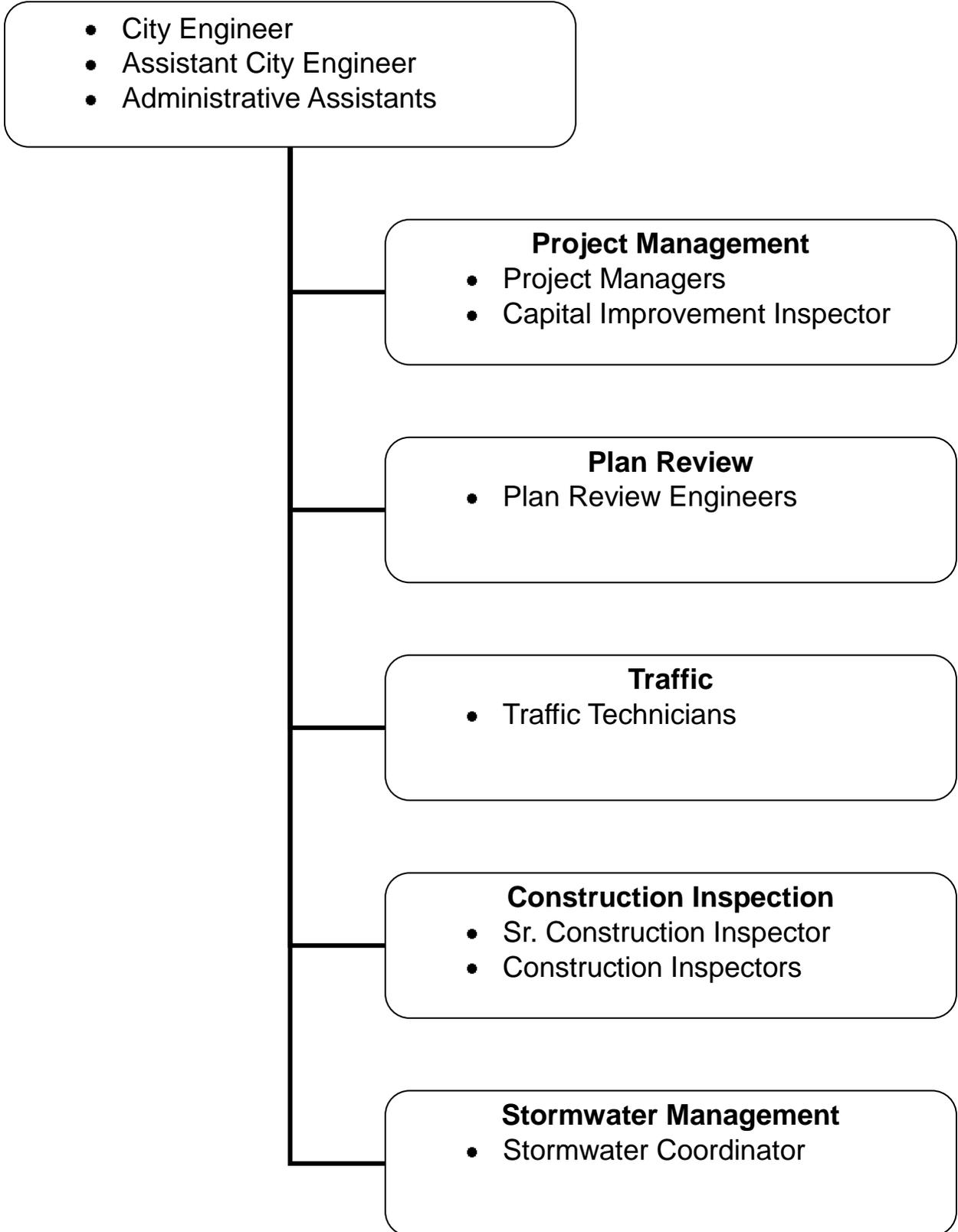
Engineering Division

ENGINEERING DIVISION

The Groups within the Engineering Division include the Construction Inspection Group, Plan Review Group, Project Management Group, Stormwater Management and Traffic Group. These groups each play a critical role to ensure that City projects, as well as commercial and residential developments, are designed and constructed properly and safely. They also provide assistance with snow removal during winter weather events and remain ready to provide emergency response in the event of a natural disaster.



Engineering Division Organization Chart



Project Management/Traffic

Wade Montgomery
Sandy Walter
Dan Buesse
Jeff Schuepfer
Al Kilpatrick (not pictured)
Charlie Brunjes
Jim Feldmann
Jerry Stringer



Construction Inspection/Plan Review

Jay Herigodt
Arlene Caudle
Sandy Walter
Karl Ebert
Mark Barry
Tom Hicks
TJ Kelley
Bobby Nash
Jeannie Greenlee
Bob Copeland
Michele Gremminger



Project Management

Duties and Responsibilities

With the reorganization and separation of the Community Development Department from the Public Works Department, the Project Management group became one of several groups within the Engineering Division.

Project Management is a carefully planned and organized effort to accomplish a specific task or project, for example, constructing a new roadway or integrating a new process into an existing system. These projects are provided to improve the community by improving the quality of life such as reducing the time it takes to drive through town, providing smoother and safer roadways and, in general, improving the City's infrastructure. Project Management also aggressively pursues outside funding and grants to accomplish more projects with minimal City funds.

Project Management's responsibilities includes developing a project plan, which entails defining project goals and objectives, specifying tasks and what resources are needed, and associating budgets and timelines for completion. It also includes implementing the project plan, along with careful controls to stay on the "critical path," that is, to ensure the plan is being managed according to plan. Project Management usually follows major phases (with various titles for these phases), including feasibility study, project planning and design, right-of-way acquisition, implementation and construction, evaluation and support/maintenance. A list of projects is maintained on the City's website at <http://www.ofallon.mo.us/apps/projectmanagement.aspx>

The Project Management Department currently has three project managers and one Capital Improvements Inspector.

Traffic

Duties and Responsibilities

The Traffic Division handles all the upkeep and maintenance of traffic signs, signals, and lights. Each year, the City replaces or installs over 1,000 signs and performs approximately 250 repairs to traffic signals. The Traffic Division currently maintains 33 traffic signals throughout the City and numerous streets lights. This division receives requests and inquiries from residents for traffic and safety concerns and performs traffic speed and traffic calming studies all year long. This department works hand-in-hand with other departments to ensure the safety and well-being of our residents.

The Traffic Division currently has two traffic technicians.

Construction Inspection

Duties and Responsibilities

The Construction Inspection Group performs all field inspections for residential and commercial sites, grading sites and as-built field checks. These inspections include items such as roadway pavement, storm sewers, sanitary sewers, water mains, site grading, various common ground amenities in subdivisions, commercial parking areas, commercial site development and various utility and excavation permits. The projects inspected this year varied from schools to senior living centers, new restaurants and retail and office space, multifamily residential developments, and hospital expansions.

The responsibility of the inspector on these sites is to insure the structural integrity of the infrastructure. This includes inspecting ongoing work to insure that the proper materials are being used, that proper construction procedures are being followed and that proper testing and verification of material placement is being done. This includes but is not limited to verifying pressure testing of City water and sewer mains, bacteriological tests on City water mains, compaction testing on trenching and earthwork and testing of paving materials.

The Construction Inspection Department has completed nearly 800 escrow inspections, 108 commercial inspections for items where construction has been completed and 107 excavation inspections as well as inspecting those projects that are still ongoing.

The Construction Inspection Department currently has one Construction Inspection Supervisor and five Construction Inspectors.

Plan Review

Duties and Responsibilities

The Plan Review group is responsible for the review of all residential and commercial site plans, grading plans, as-built plans, record plats, driveway application and floodplain review. They provide information to the public and the Community Development Department on principles and codes for the City. They administer the floodplain management program and review all utility and excavation permits within the City. Plan Review also assists residents, business and other departments with respect to issues dealing with grading and specific code issues.

Plan Review currently has two Plan Reviewers.

Stormwater Management

Duties and Responsibilities

The Stormwater Management Coordinator is responsible for the City's National Pollutant Discharge Elimination Permit (NPDES) regulations and Stormwater Management Plan as required by the Environmental Protection Agency (EPA) and Missouri Department of Natural Resources (MDNR). Part of the requirements require performing public outreach and education sessions, public participation events, construction site runoff compliance, post-construction runoff compliance, illicit discharge detection and elimination and a municipal pollution prevention and good housekeeping program. Along with the permit and program duties, the coordinator addresses stormwater concerns brought to the City's attention as well as drafts and implements policy and procedures to protect stormwater quality throughout the City.



ENGINEERING DIVISION

2012 Highlights and Accomplishments

In 2012, the Project Management Department managed several designs and construction projects as well as completing numerous “in-house” designs and studies. Some of the highlights are listed below:

Crusher Road Extension

The Crusher Drive Extension project will extend Crusher Drive from its current terminus near Southernside Apartments to Corporate Centre Drive. The project will continue the three lane section throughout the extension of the road. The project also includes drainage improvements, curb and gutter, and pedestrian improvements which are made up of sidewalks on both sides of the road. Design and right of way acquisition were completed in 2012. Construction is expected to begin in the summer of 2013 and substantial completion anticipated by the end of the year. The total cost of the project is approximately \$1.32 million of which 85% is being funded by the County Road Board.



Elaine Drive

The Elaine Drive project focuses on widening from West Terra to the railroad tracks, and constructing a sidewalk on one side of the road. Bax Engineering was hired to perform design for this project in 2011. This project will also include drainage, new signage, and new pavement for the roadway where pavement conditions have not been improved for quite some time. Right-of-way acquisition was started in 2012 and will continue in 2013. Construction is expected to begin in 2013 and be complete in early 2014. The total cost of this project is approximately \$1.6 million of which 90% is being funded by the County Road Board.

ENGINEERING DIVISION

2012 Highlights and Accomplishments

CLIP

The Citywide Landscape identity Plan (CLIP) program started in 2012 for considering signage and landscaping improvements at various interchanges and other destinations of O'Fallon. A CLIP committee was formed to assist in developing suggestions for signs and their designs. This program will occur over the next several years as additional signage is built in other areas of the City. It was determined to construct a monument sign and landscaping at the I-64/Highway K westbound exit ramp under the 2012 program. City staff prepared the bid documents in-house and this project was bid out for construction last summer, and was completed in late fall of 2102. The total construction contract was approximately \$132,000.



ENGINEERING DIVISION

2012 Highlights and Accomplishments

National Sales Remodeling

In 2011, the City purchased the former 'National Sales' building, which was an all-in-one warehouse and showroom facility. The intent of the purchase was to convert the building into the future Public Works facility for the Water/Sewer division and the Fleet Management division.

The City prepared initial layouts for rooms and storage areas and sought bids for a design/build project for the conversion of this facility into offices, conference rooms, and an expanded fleet maintenance facility. This project was constructed in the winter months of 2012 and opened for use in April/May. Paric was the general contractor hired out, but HAD Architects was their sub who designed the layout of the building. The total construction cost of the project was approximately \$385,000.



ENGINEERING DIVISION

2012 Highlights and Accomplishments

Feise Road Sidewalk

The Feise Road Sidewalk Project will include the addition of an asphalt sidewalk on Feise Road from Bryan Road to Highway K. In addition to the asphalt sidewalk, the project will also include a concrete sidewalk to Knaust Road from Chance Drive to Lunenburg Drive and extend the concrete sidewalk on Belleau Creek Road north of Mexico Road. Design of the project completed in 2012 and construction began in fall 2012. Construction will be completed in summer 2013. The total federal funding for this project is \$459,200 while the City's match funding is \$114,800.

Southside Bicycle Lane

The Southside On-Street Bicycle Lanes Loop System includes an on-street bicycle lane loop system from Highway K to Route 364 South Outer Road to Winghaven Blvd to Technology Drive and back to Highway K, a distance of about 10 miles. The project started design in early 2011 and construction began in the spring of 2012 with completion in the fall of 2012. This project has received federal funding through Surface Transportation Program Enhancement funds. The total federal funding for this project is \$307,200 while the City's match funding is \$76,800.



ENGINEERING DIVISION

2012 Highlights and Accomplishments

Intersections

The City has received federal funds to make improvements to several intersections throughout the City. The Bryan Road, Mexico Road, VMP/Woodlawn and Main Street Intersection Projects will add twelve right turn lanes to six different intersections. The proposed improvements are intended to reduce congestion at the intersections and improve traffic flow through the different areas. Design and acquisition of right-of-way were completed in 2012. The projects were put out for bid at the end of 2012, and construction will begin at the beginning of 2013. Construction of the projects will be completed by the end of 2013. The total federal funding for these projects is \$2,218,200 while the City's match funding is \$776,200.

Annual Projects

Funds were also made available in 2012 to provide several maintenance projects to improve and preserve the City's pavement. In-house plans were prepared for the 2012 Crack Seal Program, 2012 Asphalt Program, and 2012 Concrete Slab Replacement Program. These projects were bid out and completed in 2012. In total, over 36,000 square yards of concrete pavement were replaced in 2012, 32,500 square yards of asphalt pavement were resurfaced, and one million feet of joints and cracks were sealed.



ENGINEERING DIVISION

2012 Highlights and Accomplishments

Stormwater

The City managed numerous stormwater projects in 2012. Some of these were carry-over projects from 2011 while others were new projects. The Turtle Creek/Runnymede pump replacement project and the Turtle Creek/Greenbriar drainage improvements project were fully constructed in 2012. Additionally, the Knaust Park Stormwater project was constructed in 2012. The Great Warrior, Delmar Drive and Twin Chimneys projects were bid out as a bundled project for construction in 2012, with the main focus on correcting flooding and standing water in various areas. This work will finish up in early 2013.



There were also several creek stabilization projects that were constructed in 2012. Parkview Creek Bank Stabilization, Peruque, Harrisburg and Ashford Place Creek Stabilizations projects were all completed in 2012. The Ridgetop Edition and Fawn Ridge Creek Stabilization projects were bundled as one package and bid out for construction in late 2012, but will be constructed in 2013. All of these creekbank projects will stabilize slopes, reduce erosion and in some cases, save structures that have had significant erosion and slope failure occurring directly behind their homes.

ENGINEERING DIVISION

2012 Highlights and Accomplishments

The Project Management group was busy in 2012 managing several design and construction projects as well as completing numerous “in-house” designs and studies. Below is a list of some of the projects that occurred in 2012

Road Projects

- West Terra Phase I and II – Completed construction
- West Terra – Phase III – Completed roadway design
- Annual Concrete Slab – Completed in-house design, advertised and completed construction
- Annual Crack Seal – Completed construction
- Crusher Drive Extension – Completed 95% of design and completed ROW acquisition
- Elaine Drive – Completed 75% of design and began ROW acquisition
- Highway P/79 Outer Road Study – Completed alignment study
- Pavement Management – Performed needs assessment for maintenance of roadways
- Main Street Signals—Completed design and ROW; bid out project.
- Bryan Road Intersection Improvements—Completed design and ROW; bid out project
- Mexico Road Intersection Improvements—Completed design, ROW Acquisition, and began construction
- Veterans Memorial Parkway Intersection Improvements—Completed design and ROW; bid out project
- Feise, Knaust, and Belleau Creek Roads Sidewalk Improvements — Completed design, ROW acquisition, and started construction
- Southside Bicycle Lane Loop System — Completed design and construction

Storm Water Projects

- Parkview Creek Stabilization - Completed construction
- Knolls Creek Stabilization - Completed construction
- Complete design of Fawn Ridge Creek slope repairs.
- Complete design of Ridgetop Edition Creek slope repairs.
- Complete design of Great Warrior Storm Water project.
- Complete design of Delmar Drive Storm Water project
- Complete design of Twin Chimneys Storm Water project.
- Completed construction of Turtle Creek/Runnymede Pump Replacement

ENGINEERING DIVISION

2012 Highlights and Accomplishments

Storm Water Projects (cont.)

- Completed construction of the 2011 Design/Build creek projects (Ashford Place, Harrisburg Ct, and Peruque Creek).
- Completed construction of the Knaust Park drainage improvements.

Parks Projects

- Westhoff Park Skate Plaza and Parking Area—Completed design and construction
- Westhoff Park Street Lighting—Finished installation of roadside lights.
- CLIP Monument Project—Completed Construction

Energy Efficiency Projects

- Energy-Efficient Street Lighting—Completed installation of 55 100-watt induction lights at various intersections throughout the City

Traffic Projects

- Autumn Grove Traffic Calming – Completed construction of traffic calming devices
- Brook Hollow Traffic Calming – Completed construction of traffic calming devices
- Thoreau Blvd Traffic Calming—Completed in-house design
- 41 stop sign / speed volume studies were conducted.
- 225 traffic signal repairs were done.
- 130 streetlights were repaired.

Miscellaneous Projects

- ADA Intersection Upgrades - Completed design and construction of two intersections.
- Sonderen LOMR - Completed LOMR process for the Sonderen/Belleau Creek bridge.

Outside Funding

- Staff applied for nearly \$14 million in outside funding.
- Engineering received grant awards of almost \$4 million.

ENGINEERING DIVISION

2012 Highlights and Accomplishments

Construction Inspection has completed over 100 Commercial Site Inspections and nearly 800 Escrow Site Inspection. Between residential development repair work and commercial site improvements. Construction Inspection staff are onsite approximately 60% of the time as the construction is taking place. The manpower goal is to be there approximately 75% of the time. At year end the City was holding \$6,937,196 in development escrows with 179 active escrow agreements.



Inspection Completed

Streets	78
Sanitary Sewer	42
Water	37
Sidewalk	36
Lights & Signs	60
Storm Sewers	73
Grading	146
Vegetation	106
Common Ground	29
Other Misc items	60
Erosion Control	14
Excavation Permits	107
Commercial Inspections	108
Total Inspections	896

ENGINEERING DIVISION

2012 Highlights and Accomplishments

The Plan Review Staff continues to average a 5-7 day review time of projects and strive to provide excellent customer service to all that they come in contact with including residents, engineers, developers and contractors.



Plans Reviewed

Subdivision	7
Site Plan	72
Grading	17
Record Plat	12
As-Built	40
Condo	0
Floodplain	2
In-House Plat	21
Excavation Permit	170
Driveway Permit	63
Bldg Letters	1
Misc	9

Plans Approved

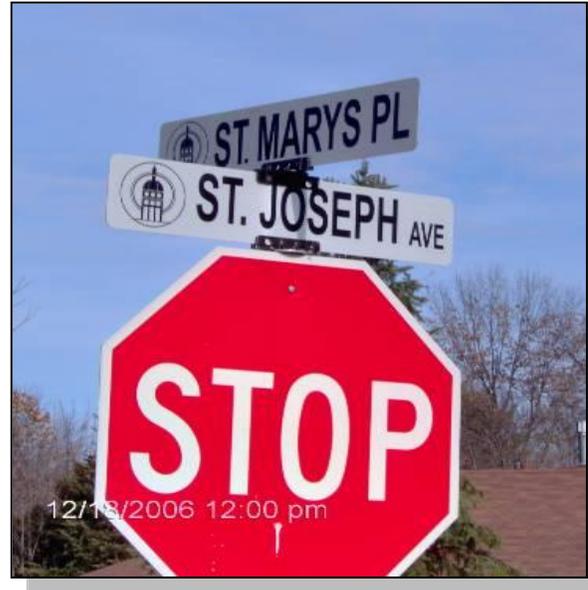
Subdivision	4
Site Plan	11
Grading	2
Record Plat	3
As-Built	9
Condo	0
Floodplain	1
In-House Plat	5
Excavation Permit	150
Driveway Permit	59
Bldg Letters	0
Misc	4

ENGINEERING DIVISION

2012 Highlights and Accomplishments

Street ID Sign Replacement Project

The City of O'Fallon is in the fifth year of the Street ID sign replacement program. The new signs have a white background with black lettering and the city logo. These signs replace the existing white on green signs throughout the City. The new street name signs are larger and more visible and allow streets to be more recognizable and uniform. This project was completed in 2012.



Traffic Calming

In 2012, staff received numerous Traffic Calming requests. Staff performed 10 traffic calming studies in accordance with the approved traffic calming policy and 22 speed studies.

Public Outreach and Education Sessions

14 Public Outreach and stormwater education sessions were conducted in 2012 with a total of 1,933 participants. These events included presentations and stormwater activities at local schools, participation in a rain garden symposium, the City's Public Works Day and assisting with Envirothon.



ENGINEERING DIVISION

2012 Highlights and Accomplishments

Public Participation and Involvement Events

Three Public Participation and Involvement events were held this year. Mission: Clean Stream, Earth Day, and Make A Difference Day with 378 wonderful volunteers participating in these events and cleaning over 800 pounds of trash out of our local creeks and streams.



Stormwater Assistance Policy

The Stormwater Assistance Policy was drafted and will begin implementation in 2013. This policy helps to determine which stormwater concerns reported to the City qualify for a 50/50 cost share program that provides partial funding as a capital improvement project. Funds are requested for approval each year to complete projects on a first-come, first-serve basis. Once funds are depleted, the projects will be added to a wait list for the next year, pending fund approval by City Council.

City of O'Fallon, Missouri
Stormwater Management
Policy for the Stormwater Assistance Program



Adopted: July 30, 2012

2012

ENGINEERING DIVISION

Goals for 2013

Project Management has lofty goals for 2013 and looks forward to the challenges each project brings.

Manage the Capital Road Improvement Program

- Complete the construction of West Terra - Phase III and Crusher Extension
- Complete design and easement acquisition, and start construction for Elaine Drive Improvements.
- Prepare in-house design of plans and specifications for the Woodlawn and Civic Park Resurfacing, Bryan Road and Laura Hill Slab Replacement Projects.
- Complete construction of the Main Street Signals, Bryan Road, Mexico Road and VMP/Woodlawn Intersection Improvement Projects.

Manage Storm Water Capital Improvement Projects

- Complete construction and close out Knolls Creek, Parkview, Fawn Ridge, Great Warrior, Delmar Drive and Twin Chimneys Projects.
- Start design of the Post Meadows Creek Bank Stabilization project and Royal Oaks detention basin project.

Subdivision Projects

- Utilize escrow funds to complete improvements in Legacy Estates, Diamond Point, Walden Pond, Hyland Green and Manderly Place.

Manage Parks Department Projects

- Design and bid out the Alligator Creek chlorine discharge improvements.
- Complete demolition of the Civic Park Hall and O'Day Park Building and begin to design improvements.
- Design and bid out the 2013 CLIP monument project.

Other

- Update project specifications, bid and complete the 2013 Crack Seal Program and 2013 Slab Repair Program.
- Finalize the Project Management Manual, ADA Transition Plan and update the City's five year transportation plan/map.
- Implement project update software (similar to WebQA)
- Coordinate with MoDOT for enhancements to Page/Hwy 364 Project.

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