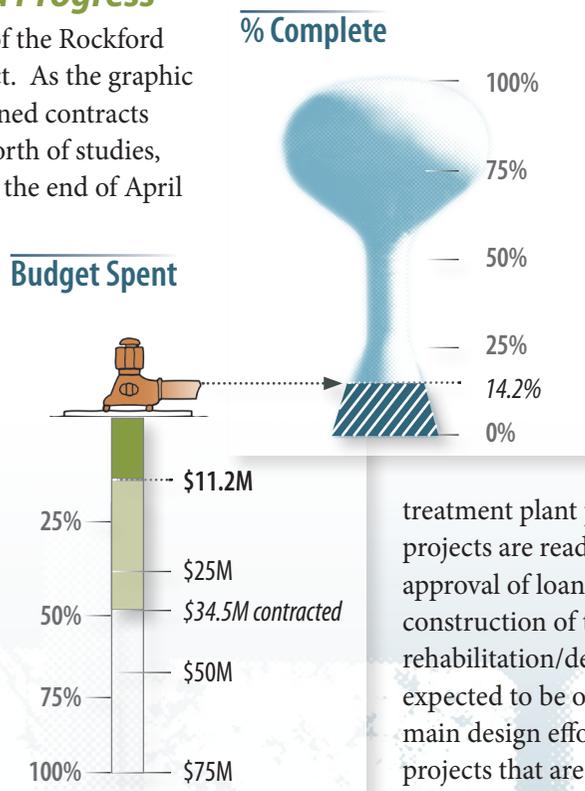




# Water System Improvement Project

## Project Expenditures and Progress

Work is proceeding on all phases of the Rockford Water System Improvement Project. As the graphic to the right shows, the City has signed contracts for approximately \$34.5 million worth of studies, designs, and construction through the end of April 2008. This total represents approximately 46.0% of the total project budget of \$75 million. Budget spent through April 2008 totals approximately \$11.2 million, or about 14.9% of the total budget. Progress reports developed for the individual projects completed or currently active indicate that the overall project is about 14.2% complete.



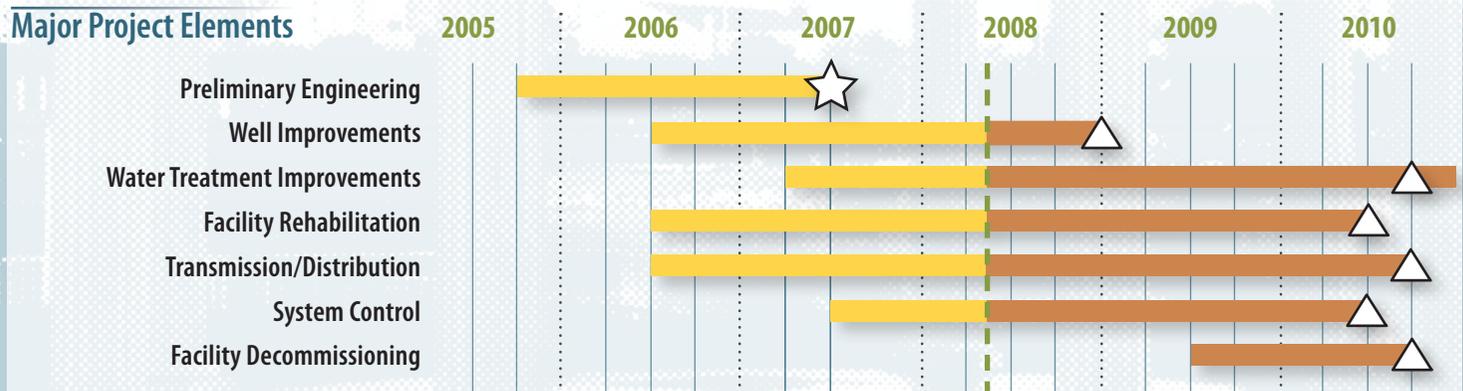
date for well rehabilitation has been extended to the end of 2008 due to the need to limit well outages during the high demand summer period. Plans for early decommissioning of several facilities have also been delayed due to the need to keep facilities available through the high demand summer period. However, construction activities are now in progress at the Stanley Street Booster Station and the Unit Well 40 Treatment Plant site. Contracts for construction at two additional

## Project Milestone Schedule

A master schedule for the overall project has been developed and is being used to coordinate project activities and overall progress. Projected completion dates for major milestones are shown in the graphic below. The projected completion

treatment plant projects and seven facility rehabilitation projects are ready to be authorized pending final approval of loan funding from the IEPA. Bids for construction of three more water treatment plants and rehabilitation/demolition work at four other sites are expected to be opened this summer. Water distribution main design efforts are nearing completion for several projects that are expected to move into construction during 2008. Details related to the status and anticipated completion dates for these and other individual projects are presented in the tables on pages 2 and 3 of this report.

## Major Project Elements



# 2nd Quarter 2008 Project Status

## Project Status – February 2008

Project	Ward	Planned Construction	Rehabilitation				Progress				Status
			Wells	Treatment	Facility Rehab	Abandon	Planning	Design	Construction	Complete	
<b>Facility Rehabilitation / Improvements</b>											
Treatment Equipment	--	2008-2010		X			✓	✓	✓		Green
S01 : 525 Stanley Street	13	2007-2008	X		X		✓	✓	✓		Green
U03 : 1404 River Bluff Blvd.	12	2008-2009	X		X		✓	✓			Green
U04 : 801 Marchesano Dr.	5	2010				X	✓				Green
U05 : 2526 Pelham Rd.	3	2009-2010		X	X		✓				Green
U06 : 2604 19th Ave.	8	2008-2009	X		X		✓	✓			Green
U09 : 2708 Crosby St.	10	--					✓			✓	Green
U10 : 4316 Newburg Rd.	14	2008-2009			X		✓	✓			Green
U11 : 1218 7th Ave.	11	2010				X	✓				Green
U12 : 1022 Benton St.	3	2010				X	✓				Green
U13 : 4625 Skyline Dr.	10	2009-2010	X	X	X		✓				Green
U15 : 3030 Chestnut St.	13	2010				X	✓	✓			Green
U16 : 4550 Harrison St	14	2010				X	✓				Green
U17 : 3700 Brookview Rd.	3	--					✓			✓	Green
U18 : 1409 S. Johnson Ave.	5	2008-2009			X		✓	✓			Green
U20 : 2434 N. Central Ave.	9	2010				X	✓				Green
U21 : 703 Daisyfield Rd.	13	2008-2009	X		X		✓	✓			Green
U22 : 5110 Auburn St.	13	2008-2009			X		✓	✓			Green
U23 : 1206 Elmwood Rd.	12	--					✓			✓	Green
U24 : 6475 Cessna Dr.	6	2008-2009	X		X		✓	✓			Green
U25 : 5602 Spring Creek Rd.	4	--					✓			✓	Green
U26 : 5500 E. State St.	10	--					✓			✓	Green
U27 : 5834 Guilford Rd.	1	2010				X	✓				Green
U28 : 5400 Belt Line Rd.	6	--					✓			✓	Green
U29 : 4750 Pepper Dr.	4	2008-2009	X	X	X		✓	✓			Green
U30 : 3725 Trainer Rd.	4	2008-2009	X	X	X		✓	✓			Green
U31 : 1780 Bell School Rd.	1	2008-2009	X	X	X		✓	✓			Green
U33 : 930 Arthur Ave.	1	2010				X	✓				Green
U34 : 3945 Dawes Rd.	5	2009-2010	X	X	X		✓				Green
U35 : 2944 Bildahl St.	6	2010				X	✓				Green
U36 : 4141 Samuelson Rd.	6	2009-2010		X	X		✓				Green
U37 : 2100 Huffman Blvd.	9	2008-2009			X		✓	✓			Green
U39 : 7423 Spring Brook Rd.	4	2010			X		✓				Green
U40 : 738 Lyford Rd.	1	2008-2009		X	X		✓	✓			Green
U42 : 6733 Newburg Rd.	1	2008-2009	X	X	X		✓	✓			Green
U43 : 3447 Publishers Dr.	14	2008-2009		X	X		✓	✓			Green
U44 : 5250 Owen Center Rd.	9	2008-2009			X		✓	✓			Green
U46 : TBD	--	--	X				✓				Green
SCADA	--	2008-2010					✓	✓			Green

### Individual Project Status

A detailed listing of the location, schedule and status of improvements planned for individual facilities, water mains, or the overall water system, is provided in these tables. Color-coded cells in the last column of the table indicate overall project status using a green (Good), yellow (OK, but some issues), or red (Problems) format.

Project	Ward	Planned Construction	Rehabilitation				Progress				Status
			Wells	Treatment	Facility Rehab	Abandon	Planning	Design	Construction	Complete	
<b>Preliminary Engineering</b>											
		2005-2007					✓	✓	✓	✓	Green
<b>Well Rehabilitation</b>											
		2006-2007					✓	✓	✓		Green
<b>Pilot Test Program</b>											
		2006-2007					✓	✓	✓	✓	Green
<b>Zone Boundary Improvements</b>											
		2007-2010					✓	✓	✓		Green
<b>Water Main Improvements</b>											
W-1 : Harrison Street East	8	2007					✓	✓	✓	✓	Green
W-2 : Airport Loop	6	2007-2008					✓	✓	✓	✓	Green
W-3 : Auburn Street	7/9	2008-2009					✓	✓			Green
W-4 : Aldeen	10	2008-2009					✓				Green
W-5 : Alpine Meadows Park	4	2009-2010					✓	✓			Green
W-6 : American Road	14	2008-2009					✓	✓			Green
W-7 : Dawson Avenue	2/3/10	2008-2010					✓	✓			Green
W-8 : 20th Street Extension	8/11	2008-2009					✓	✓			Green
W-9 : Green Street	13	2008-2009					✓	✓			Green
W-10 : 22nd Street	8	2008-2009					✓	✓			Green
W-11 : Ekberg Pine Manor Park	6/14	2008-2009					✓	✓			Green
W-12 : Almond Drive / 35th Street	14	2008-2009					✓	✓			Green
W-13 : Harrison Street West	6/11	2009-2010					✓				Green
EXW : Porter Road	9	2008-2009					✓	✓			Green
EXE : Paulson Road	1/4	2009-2010					✓				Green

# 2nd Quarter 2008 Highlights

## Group 1 Non-Treatment Base Facilities

Bids were opened on February 28, 2008 for work at 7 non-treatment Base Facilities throughout the City. The low bidder was Bennett Construction of Pecatonica, Illinois. The IEPA is currently reviewing the contract award and other low-interest loan application material before final contracts can be signed. It is anticipated that work will start at these facilities in July or August. Construction activities will be scheduled at these various well sites over an 18-month period in order to stagger shutdowns of these important facilities. Work at most of these facilities will consist of new pumping and electrical equipment, new energy efficient heating systems, and new chemical feed systems. Some facilities will also realize new insulated roof systems and the addition of code-compliant chemical rooms.

## Group 1 Treatment Facilities Design and Bidding

The Group 1 Treatment Facilities are divided into two construction contracts. Group 1A, consisting of water treatment plants at Wells 40 and 42, was awarded to Scandrol Construction of Rockford for \$4,597,740. Scandrol Construction is currently in the process of having shop drawings approved and obtaining the building permit. On site construction activities are anticipated to begin in the next few weeks. These two facilities are scheduled to be brought on line by January 1, 2009, with the final contract completion date set in the spring of 2009



to allow the contractor to complete final landscaping in the spring.

Group 1B consists of a water treatment plant at Well 31 and was bid on March 19, 2008. The contract has been awarded by the City Council to Whittaker Construction and Excavating of Earlville, IL for an amount of \$3,770,000. This project will be funded using IEPA State Revolving Loan Funds. Upon IEPA approval the contracts will be executed and the construction will commence. Group 1B is scheduled for final completion in the fourth quarter of 2009.

## Operator Training

The City began a seven month training program for its Water System Operators in February, 2008. The training program is intended to familiarize the City's Operators with the new water system technologies that are being installed as a part of the Water System Improvement and Rehabilitation Plan. The February and March sessions focused on the existing system operations and basic system hydraulics. The April session concentrated on pump operations and zone control valves. The May training workshop will be the first of two sessions focusing on the future Rockford treatment technology. It is the City's goal to insure that all Operators understand how their system is operating in the present and how they can optimize the improvements throughout the water system in the future.



# 2nd Quarter 2008 Highlights

## Stanley Street Pumping Station

The long, snowy winter shut down most construction activities at the Stanley Street Pumping Station for several months, but work resumed at full pace in March. The masonry walls have been constructed, and face brick installation is nearly complete. Structural steel for the roof has been set, and the roof deck has been installed. Process piping installation is approximately 80% complete, and some lighting and electrical wiring is in place. Work in the next month will include installation of the 1,000 kW diesel standby generator, installation of major electrical and control equipment, and installation of the High Service Pumps. The 5 million gallon reservoir has been filled and will be brought back on line for the summer using the old pumping station.



## Well Rehabilitation – Phase 2



The Phase 2 Well Rehabilitation Project consists of work at Wells 3, 6, 21, 31 and 36. The work included such items as testing of wells and pumps, removal of well pumps for inspection, rehabilitation of the bore hole to restore lost capacity, and repair of pumping equipment as required. The work under this project has to be carefully coordinated with routine maintenance at other wells, as well as work proposed as part of the water system improvement plan, to make sure that there is adequate water supply available to meet system-wide water demands. This limited the number of wells that could be out for service at any one time, slowing the construction pace. This project was intended to be completed in the spring of 2008, but work at Wells 21 and 36 has been delayed until later this fall. This will allow the wells to be available through the peak water use months of the summer.

## IEPA Loan Assistance Pursuit

The City is continuing to work with the Illinois Environmental Protection Agency (IEPA) to secure low-interest loan funding for over half of the total cost of the rehabilitation program. This effort is being spearheaded by Mr. Tom Powers, the Head of Accounting for the City's Water Operations, with support from other city staff and consultants. By meeting tight schedules and extensive documentation and legal requirements, the City has already succeeded in securing almost \$4 million from the IEPA loan fund. The City is under final negotiations to complete and submit the first "Full and Complete" loan package for over \$8 million of funding. Work is underway for two of the remaining four loan packages covering treatment, pumping, and water main projects.

**For more information** on specific projects, please contact:

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