

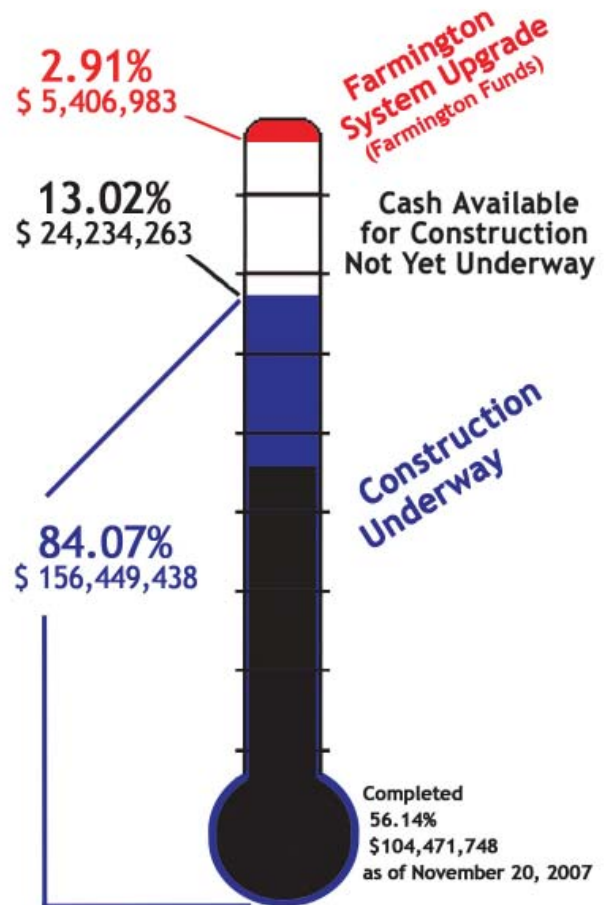
Wastewater System Improvement Project (WSIP)

The Wastewater System Improvement Project (WSIP) is a system wide project that significantly increases the capacity of the City's wastewater system. This project addresses capacity short-falls in the wastewater collection and treatment systems; the design is expected to treat the wastewater for 115,000 people.

This project will increase the City's wastewater treatment capacity from 12.6 to 21.2 million gallons per day, and will reduce the number of sewer system overflows due to rain entering the system. It also improves odor control facilities system wide. The west side wastewater treatment plant will start treating wastewater in mid 2008.

Major construction elements of the project include:

- (1) Constructing a new West Side Wastewater Treatment Plant (\$64.3 million including water lines, wetlands construction, and other work adjacent to the site).
- (2) Constructing 21.6 miles of new or replacement sewer transmission pipes and 2 pump stations in the north and west areas of the City to carry the wastewater to the new West Side WWTP (\$39.5 million).
- (3) Upgrading the existing Noland WWTP on the east side of town (\$17.3 million).
- (4) Constructing 9.3 miles of new or replacement sewer transmission pipes and replacing, modifying, or upgrading six pump stations in the south and east areas of the City to better carry the wastewater to the Noland WWTP (\$24.0 million).
- (5) The project also involves work including constructing 25.5 acres of wetlands, over one mile of roadway, ½ mile of water pipe, engineering design and construction inspection for all aspects of the project, easements for the pipelines, and all of the associated permitting and coordination with the Corps of Engineers, Arkansas Department of Equality, the Arkansas Natural Resources Commission, the Beaver Water District, various Oklahoma agencies, and others (\$33.49 million).
- (6) A lift station and approximately four miles of associated pipe line work to service Farmington and the Fayetteville area immediately east of Farmington (Approx. \$5.4 million provided by Farmington and \$2.1 million provided by Fayetteville).



The project is funded through a combination of a \$42 million sales tax bond issue approved in September 2006, a \$125 million sales tax bond issue approved in November 2001, system revenues, developer impact fees, and the sale of land at the West Side WWTP site.

City of Fayetteville ~ Major Capital Improvements

Progress Report as of November 20, 2007

Wastewater System Improvement Project (WSIP)

- 1 **Hamestrung Sewer Lift Station (WL-6)**
 - Construct a 36 mgd capacity sewer pump station
 - \$6,279,806 cost
 - Construction 99% complete
 - Estimated completion December, 2007
 - Brasfield & Gorrie Contractors
- 2 **48" Gravity Sewer Line - Gregg to Hamestrung (WL-4)**
 - Construct 24,751' of 48" gravity sewer pipe line and 3,876' of 30" sewer pressure pipe line
 - \$10,613,447 cost
 - Construction 99% complete
 - Estimated completion December, 2007
 - Oscar Renda Contractors
- 3 **Force Mains - Hamestrung to West Plant (WL-5)**
 - Construct 21,740' of 24 and 30" sewer force pipe lines
 - \$4,752,287 cost
 - Construction complete
 - Garney Construction
- 4 **Broyles Road Water Line (WP-1a)**
 - Construct 3,100' of 12" water Line
 - Cost included with West Side Wastewater Treatment Plant #5
 - Construction complete
 - Brasfield & Gorrie Contractors**Broyles Road (WP-1b)**
 - Construct 5,900' of two lane asphalt road
 - \$3,737,966 cost
 - Construction 33% complete
 - Estimated completion August, 2008
 - Dean Crowder Construction
- 5 **West Side Wastewater Treatment Plant (WP-3)**
 - Construct a new 10 million gallon per day (mgd) (average daily flow) wastewater treatment plant
 - \$60,398,785 cost
 - Construction 80.38% complete
 - Estimated completion May 31, 2008
 - Brasfield & Gorrie Contractors
- 6 **Wetlands Mitigation (WP-2b)**
 - Construct and plant 25.5 acres of wetlands
 - Construction underway
- 7 **Owl Creek Lift Station & Force Main (WL-8)**
 - Upgrade the existing sewer pump station and install 11,600' of (estimated) 15" sewer pressure pipe line
 - Scope of work under review
- 8 **Porter Road to Hamestrung Sewer Line (WL-3)**
 - Construct 14,100' of 21-24" gravity sewer pipe line
 - \$7,186,957 cost
 - Construction substantially complete
 - Oscar Renda Contractors
- 9 **North Street to Poplar to Van Asche Sewer Line (WL-2)**
 - Construct 13,900' - mostly 24-33" gravity sewer pipe line
 - \$4,413,664 cost
 - Construction substantially complete
 - T-G Excavating Contractor
- 10 **Gregg Ave Sewer Lift Station (WL-7)**
 - Construct a 19 mgd capacity sewer pump station
 - \$1,527,000 cost
 - Construction 51.5% complete
 - Estimated completion April, 2008
 - Crossland Heavy Contractors, Inc.
- 11 **Old Wire Road to Gregg Ave Sewer Line (WL-1)**
 - Construct 15,770' of 21-36" gravity sewer pipe line
 - Cost included with Porter to Hamestrung - #8
 - Construction substantially complete
 - Oscar Renda Contractors
- 12 **Noland (East Side) Wastewater Treatment Plant Renovation**

Phase I (EP-2)

 - Upgrade odor control, solids handling, headworks
 - \$14,836,631 cost
 - Construction substantially complete
 - Archer Western Contractors

Phase I (EP-4)

 - Upgrade Effluent Aeration
 - \$66,460 cost
 - Construction 90% complete
 - BlueinGreen Contractors
 - Estimated Completion November, 2007

Phase II (EP-1)

 - Increase wet weather capacity
 - \$1,327,794 cost
 - Construction 54.4% complete
 - Estimated completion January, 2008
 - Wilson Brothers Contractors

Phase III (EP-3)

 - Remove effluent pump, upgrade aeration basin
 - \$1,300,000 estimated cost - not yet bid
 - Tentative bid date April, 2008
 - Estimated completion April, 2009
- 13 **Mally Wagnon Sewer Lift Station & Force Main (EL-1)**
 - Replace sewer pump stations, install 4,000' of 16" sewer force pipe line
 - \$1,393,880 cost
 - Construction underway
 - Estimated completion April, 2008
 - Garney Construction
- 14 **Happy Hollow to Noland Wastewater Treatment Plant Sewer Line (EL-2)**
 - Construct 26,458' of 42" gravity sewer pipe line
 - \$10,431,995 cost
 - Construction 3% complete
 - Estimated completion October, 2008
 - Rosetta Construction
- 15 **Razorback Rd to Happy Hollow Sewer Line (EL-3)**
 - Construct 13,489' of 21-30" gravity sewer pipe line
 - \$6,015,000 estimated cost - not yet bid
 - Tentative bid date March, 2008
 - Estimated completion June, 2009
- 16 **South Mountain to Industrial Park Sewer Line (EL-5)**
 - Construct 4,084' of 10" gravity sewer pipe line
 - \$572,000 estimated cost - not yet bid
 - Tentative bid date March, 2008
 - Estimated completion June, 2009
- 31 **Lift Station Upgrade (EL-4)**
 - Upgrade Sewer Lift Stations 13, 14, & 16
 - \$460,367 cost
 - Construction 35% complete
 - Estimated completion March, 2008
 - OMI is executing work

City of Fayetteville ~ Major Capital Improvements

Progress Report as of November 20, 2007

Other Major Capital Improvements (*non-WSIP*)

- 17 **Hwy 62 West Water Line**
 - Relocating water line along Hwy 62 due to widening from North Hunter to County Rd 647
 - \$1,180,177 cost
 - Construction complete
- 18 **Sanitary Sewer Rehab**
 - Construct 13,067' of 8-15" gravity sewer pipe line at various locations city-wide
 - \$2,266,606 cost
 - Construction complete
 - T-G Excavating, Contractor
- 19 **North College Water Line Replacement - Maple Street to North Street**
 - Replacing water lines along College Avenue from Maple Street to North Street
 - \$1,377,141 cost
 - Construction complete
- 20 **24" Water Line Improvements**
 - Replacing water lines along Custer Lane and Morningside Drive
 - \$908,710 cost
 - Crossland Heavy Contractors
 - Construction substantially complete
- 21 **Razorback Road Water Line Relocation**
 - Relocating the water line along Razorback Road due to widening from 6th Street to 15th Street
 - \$722,891 cost
 - Construction complete
- 22 **Hwy 16 Water Line Relocation - Ruppel Road to Double Springs Road**
 - Relocating water line along Hwy 16 due to widening from Ruppel Road to Double Springs Road
 - \$1,591,426 cost
 - Construction complete
- 23 **Mount Sequoyah Water & Sewer**
 - Construct approximately 6,900' of water line and 600' of sewer line in the Mount Sequoyah area
 - \$1,400,000 estimated cost
 - Final design underway by Garver Engineers
 - Tentative bid date February, 2008
 - Estimated completion September, 2008
- 25 **36" Water Line Improvements (*not shown on map*)**
 - Install pressure sustaining valves to maintain positive pressure in water transmission mains
 - Install remote valve activators to isolate sections of the water transmission mains in case of line failure
 - \$1,185,000 cost
 - Alpha Utilities, Inc. Contractor
 - Construction 56.4% complete
 - Estimated completion December, 2007

West Fayetteville - Farmington WSIP Subprojects

- 26 **Farmington Gravity Sewer Line (WL-10)**
 - Construct 14,322' of 12-24" gravity sewer line
 - \$ 2,553,618 estimated cost- not yet bid
 - Final design is underway by RJN
 - Tentative bid date January 8, 2008
 - Estimated completion January, 2009
- 27 **Farmington Force Main (WL-11)**
 - Construct 9,112 of 18" pressure sewer force main
 - \$ 1,627,858 estimated cost- not yet bid
 - Final design is underway by RJN
 - Tentative bid date January 8, 2008
 - Estimated completion January, 2009
- 28 **Farmington Lift Station (WL-12)**
 - Construct a 3.0 mgd capacity sewer pump station
 - \$ 1,405,455 estimated cost- not yet bid
 - Final design is underway by RJN
 - Tentative bid date March 6, 2008
 - Estimated completion January, 2009
- 29 **Farmington Sanitary Sewer Rehab Unit 1**
 - Construct 3,655' of 6" & 8" sewer and 66 point repairs city-wide
 - \$822,222 cost
 - Construction 64.0% complete
 - Estimated completion December, 2007
 - T-G Excavating, Contractors**Unit 2**
 - Lining of 5,668' of 6" & 8" pipe by cured-in-place-pipe lining
 - \$178,835 cost
 - Estimated completion December, 2007
 - Insituform, Inc., Contractor

- 30 **Manhole Rehabilitation (*not shown on map*)**
 - Repair approximately 800 manholes using various methods
 - \$1,000,000 estimated cost
 - Tentative bid date December 6, 2007
 - Estimated completion August, 2008

Notes:

- All completion dates are for substantial completion, that being the date on which the constructed work can be placed in service.
- Percentage completion is based on dollars earned as of the most recent pay request.

For additional information visit:
www.accessfayetteville.org

Major Water & Wastewater Improvements Underway

City of Fayetteville, Arkansas

- █ Ongoing Projects
- █ Construction Completed
- █ Current Construction Areas

