



April 10, 2008

TO: Doug Baker, City Administrator
FOR: City Council
FROM: Public Works Department
RE: **PUBLIC WORKS DEPARTMENT REPORT – 1st QUARTER, 2008
JANUARY, FEBRUARY & MARCH**

I. MAJOR PROJECTS

Transportation

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (2000008) / Status: Active
- Staff and the contractor continue to reconcile final pay quantities while the contractor completes the remaining punch list items. Paperwork and other contract issues are being resolved as we work toward acceptance and closure of the project.
- B. Littlerock Road – Trospen to South City Limits (2000007) / Status: Active
- During the archeological exploration near the Union/Pioneer Cemetery 16 unmarked grave sites were found along the right-of-way.
 - Options for reconfiguring the design of about 1,600 feet of the roadway are being developed for consideration by Council.
 - The remainder of the project will proceed to construction as a “first phase”. The current plans, specifications and engineer’s estimate will have to be modified to advertise for bids for Phase 1.
 - Utility work and overhead conversion will be done for the entire project during Phase 1.
 - All grant money will be used in Phase 1.
- C. Trospen Road Widening @ Skipper Lane (2002003) / Status: Active
- Construction of the Trospen Road widening project can be built with either phase of the Littlerock Road project.
- D. North Street Reconstruction (2005011) / Status: Active
- Bids will be opened on April 9th. Construction will begin in May.
 - The project includes conversion of overhead power to underground, sewer and water main replacements, storm drainage improvements, illumination, planter strips, sidewalks and a complete street rebuilt.

- The roadway will be closed to thru traffic from the start of construction up to November 30th, at which time the contractor is obligated to have a lift of pavement on the roadway and have it open to traffic.
- E. Tumwater Town Center Connector (2005021) / Status: Active
 - Preferred alignment has been selected by the Council.
 - Discussions with stakeholders for implementation are on-going.
- F. Tumwater Boulevard/I-5 Interchange (2004015) / Status: Active
 - Two workshops to develop project selection criteria and project alternatives have been completed. The consultant is evaluating the alternatives to narrow the list.
 - Due to staff changes at Parametrix and additional work related to Olympia's and Lacey's studies, contract modifications with the consultant team are being prepared.
- G. Deschutes Way Bike/Pedestrian Improvements (2006010) / Status: Active
 - Environmental work is complete.
 - Plans, specifications and engineer's estimate are being prepared for Summer 2008 construction.
- H. Henderson Boulevard Railroad Crossing (2003021) / Status: Active
 - Union Pacific Railroad has not yet committed to a date for construction of the grade crossing.
- I. 2025 Transportation Plan (2005012) / Status: Complete
 - The plan was adopted by Council at the January 15th meeting.

General Government

- J. Tumwater Valley Trail, Phase I / Status: Active
- K. Pioneer Park Phase III / Status: Active
 - Public Works staff continues to assist the Parks & Recreation Department in procuring environmental approvals, and in preparation of plans and specifications.

Water

- L. Telemetry System Upgrade (07393) / Status: Active
 - Staff will seek authority to solicit proposals in 2008.
 - Staff has been, and continues to pursue installation of conduit for fiber optic cable to each of our telemetry sites for improved communications.
- M. Southwest Well Development (2003012) / Status: Active
 - Staff is pursuing water rights. Modeling suggests that mitigation will be necessary for any transfer.

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- Negotiations are underway to secure withdrawal locations and water rights in support of operations in the southwest.
- N. Northeast Area Water Rights (2007013) / Status: Active
- Draft model on water rights has been completed.
 - Determination of mitigation needs is underway.
- O. Custer Way Water Improvements (2004016) / Status: On Hold
- It has been decided to postpone the water main replacement portion of the Custer Way project until a better plan can be established for the portion of Custer Way that still has a concrete slab under the existing pavement.
- P. Palermo Wellfield Improvements (2006014) / Status: Active
- Phase 2 field analysis work is underway.
 - Staff will seek authority to solicit proposals to drill test wells at identified locations.
- Q. Water System Disinfection (2006024) / Status: Active
- The final planning report was sent to Washington State Department of Health (DOH) in February; DOH review is underway.
 - The contract with HDR Engineering for Phase 2, design of disinfection facilities, has been approved and work will commence pending final approval of DOH report.
- R. Wellhead Protection Program - 2008 (2008003) / Status: Active
- Staff and Thurston County Environmental Health have completed wellhead protection area inspections; follow-up visits will be completed accordingly.
 - Staff installed new pump equipment in one monitoring well as a pilot. It operates successfully and additional installation are planned.
- S. Water Conservation Program - 2008 (2008004) / Status: Active
- Free indoor water saving kits, automatic shut-off spray nozzles, rain gauges, outdoor watering guides, and \$10 rebates for purchase of a rain barrel are available to all water customers. Free hose timers for residents irrigating manually are also available.
 - Outdoor irrigation audits for 2008 are commencing for the season. Three residential and one commercial irrigation workshops are being planned for May/June.
 - Staff is reviewing innovative options for conservation measures for the institutional, commercial and industrial sectors.
 - Water conservation materials distributed to water customers at public events.
 - Water Use Efficiency Rule: The city set a quantifiable conservation goal in February 2008. This goal represents the proportion of savings earned through the regional program.

Sewer

- T. Southern Connection – Local Piping (Custer Way Sewer (2005018) / Status: Active
- Construction will begin the evening of Monday, April 7th. Night work on Custer Way is expected to take three weeks. Work on Grant Street and Deschutes Way will occur during the day during the same period.
 - The project provides for 50 working days, but the work will take until late summer or early fall to complete due to lead time required to procure lift station equipment.
- U. 2006 Annual Sewer Rehabilitation Program (2005029) / Status: Active
- Staff awaits receipt of the final contract voucher from the contractor prior to requesting Council acceptance of the work.
- V. Littlerock Road Interceptor (2006002) / Status: Active
- All of the sewer main is installed.
 - The contractor is working to correct some deficiencies prior to decommissioning the lift stations on Miner Drive and at 73rd Avenue.
- W. LOTT-Funded Water Conservation Programs / Status: Active
- The “Wash Wise” washing machine replacement program continues in 2008 complemented by rebates from Puget Sound Energy.
 - The Water Smart Technology program continues. Local businesses are now offered rebates of 75% for retrofitting existing facilities to be more resource efficient.
 - Staff is working with the Tumwater School District to completely retrofit facilities for 100% water efficient fixtures.
 - Options to encourage placement of resource-efficient fixtures in new development are being investigated, and staff is reviewing ultra-low flush fixtures for potential distribution to residential customers.
 - A high-efficiency toilet replacement program is being initiated for both residential and commercial customers. This direct install pilot program will replace 1.6 gpf toilets and higher with 1.28 gpf or less toilets.

Storm

- X. East Capitol Boulevard Area Outfall Improvements (2007009) / Status: Active
- Staff and the contractor are waiting for suitable weather and drier ground conditions to complete the flood damage repairs and finish the project.
- Y. Salmon Creek Basin / Status: Active
- Pacific Groundwater Group (PGG) is the city’s consultant for third party review of high groundwater related projects.
 - Ordinance revisions are being reviewed with PGG to address data collection and third-party review.

- Z. Barnes Lake Management District (LMD) (2008005) / Status: Active
 - The Barnes LMD steering committee continues to meet monthly.
 - The 2008 budget and work plan have been approved.

- AA. Barnes Lake Basin Assessment (2007014) / Status: Active
 - The hydrogeological evaluation of the Barnes Lake system by Golder Associates is underway.
 - Water levels are being collected from local wells.
 - Bathymetric assessments and water quality analysis scheduled for April 9, 2008.

- BB. Drainage Manual Revisions / Status: Active
 - The drainage manual is in the final stage of review.

II. SIGNIFICANT ACTIVITIES

- A. Consumer Confidence Report, 2007
 - Wright Communications has again been hired to design, print, and distribute the annual water quality report.

- B. Cross Connection Control
 - A cross connection control site has been added to the city's web site allowing the public access to educational information and on-line submittal of the required survey.

- C. Water Quality
 - Perchlorate Study.
 - Results of the Phase II study to assess the effects of perchlorate on shallow groundwater at Tumwater Valley have been received. Staff reviewed the report and results with the Public Works Committee. Primary recommendation was that monitoring could be reduced due to the limited potential for contamination at the Palermo wellfield.
 - Lead & Copper Monitoring Program:
 - The city remains in compliance; however increasing levels indicate disinfection may be increasing corrosivity of the water. Staff will continue monitoring the issue.
 - The next monitoring round is scheduled for 2010.

- D. FOG (Fats / Oils / Grease)
 - Staff continues to work with businesses to reduce FOG-related materials in the waste stream.

- E. Stream Team
 - Partnered with Lacey, Olympia, and Thurston County to provide regional programs including:
 - Quarterly newsletter written, edited and distributed.
 - Developed new Stream Team informational display.

- Staffed Stream Team booth at Jean Michel Cousteau event.
 - Coordinated with Thurston County and WSU Native Plant Salvage project to present rain garden workshop series in 2008.
 - Salmon Stewards:
 - Held debriefing on 2007 program.
 - Deschutes River Habitat Enhancement:
 - Obtained Deschutes Riparian Assessment Study from Thurston Conservation District for future project planning.
 - Percival Creek Habitat Enhancement:
 - Steve Parks recruited as Site Steward to coordinate community volunteer work at site downstream of Sapp Road.
 - Himalayan blackberry removal project started; Canary grass removal project continued.
 - Winter bird study completed by senior high school students.
 - DOE grant proposal submitted.
 - Planned Earth Day event.
 - Tumwater Falls Harvest Fest/Historical Event: Planned for educational booth at event on May 18th.
 - Storm Drain Marker Program: Markers and adhesive provided to volunteers to mark Littlerock/70th Avenue annexation area drains.
 - South Sound GREEN (Technical Advisory Committee Chair):
 - Coordinated quarterly meeting and funding.
 - Facilitated both "State of the Rivers" and "Senior Presentations" sessions.
 - Performed water quality monitoring with Tumwater Middle School at four sites on Percival Creek. Assisted with monitoring at Tumwater Falls Park.
 - Friends of the Deschutes Watershed Center (FDWC) (President):
 - Acted as liaison for Watershed Center to city staff.
 - Natural Resources Youth Camp Board (Vice-Chair)
 - Attended 2008 camp planning meetings.
 - Recruited for staff positions.
 - Northwest Aquatic & Marine Educators (NAME) (Regional President)
 - Interjurisdictional Committees:
 - Served on EETAC (Environmental Education Technical Advisory Committee) to coordinate education efforts within the county.
 - Provided technical support to WRIA 13 advisory group (oversees local salmon recovery projects for SRFB funding requests)
 - Served on TME3 (Thurston-Mason Education, Environment & Economy) committee. Final draft of TME3 plan sent to advisory committee. Review comments received from Sen. Karen Fraser, Neil Werner and Les Purce.
- F. Fish Rearing Facility
- Washington Fish & Wildlife (WDFW) continues with planning and design. \$2.3 million was allocated by the Washington Legislature for Phase 1 (design, permits, water rights).

- G. Stormwater Management
- The regional stormwater management team revised the interlocal cooperation agreement, extending the regional program to 2010.
 - Ecology released the final NPDES Phase II permit in February. Staff completed the first annual report and submitted it to Ecology in March.
 - Additional staff training for CESCL (Certified Erosion & Sediment Control Lead) will occur in 2008. Other training opportunities will be made available as they arise.
 - The regional West Nile Virus (WNV) outreach committee continues to monitor the area. The regional work group convened in March.
 - Staff continues to develop and implement an on-going inspection program for private stormwater facilities.
- H. Utility Shut-Off Notices
- 326 notices were delivered in January, with 34 actual disconnects.
 - 374 notices were delivered in February, with 53 actual disconnects.
 - 332 notices were delivered in March, with 49 actual disconnects.
- I. New Utility Service Installations
- Operations staff installed 35 water meters for new construction and 31 other requests for new water services in the 1st quarter.
 - There were 15 new requests for sewer connections from Development Services in the 1st quarter.
- J. Other Maintenance Activities
- 273 "One Call" utility locates were requested in the 1st quarter of 2008.
 - 104 citizen action requests were completed in January, 69 in February, and 65 in March.
- K. Survey, Mapping & GIS
- Phase II of GBA implementation in progress.
 - Survey/mapping support in Eden System implementation:
 - Fire hydrant inventory 95% complete and has been imported into ESRI SDE database and GBA database.
 - 2006 aerial ortho photography from Thurston County available for use by city staff.
 - Collection of as-built data for input into ESRI GIS/GBA is on-going.
 - Developing process for inventory and mapping of street signs.
 - Preparing sewer utility data for import into databases.
- L. Education / Training / Workshops
- Water Resources Program Manager Dan Smith and City Engineer John Norman hosted and attended the "Stormwater Treatment Northwest" workshop reviewing stormwater treatment methods for consideration in new developments on February 12th & 13th.
 - Engineering Technicians Jay Cowan and David Mills attended a two-day, WSDOT-sponsored class in Bellevue on "Construction Inspection of

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Public Works Projects” on March 3rd & 4th.

M. Personnel

- Cross Connection Control Specialist Tiffney Ihly transferred to the Development Services Department as an Engineering Tech III in January. Dennis Winchel replaced her in the Operations Division.
- Mechanic Del Baker retired February 29, 2008 after 24 years of service.
- Maintenance Worker Mike Schultz was promoted to a Skilled Worker in the Street Department on January 16th. Mike is responsible for pavement repair and maintenance.

/smt

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