



April 26, 2007

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT -- 1st QUARTER, 2007
JANUARY, FEBRUARY, MARCH**

I. MAJOR PROJECTS

Transportation

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (2000008) / Status: Active
- The project is expected to be substantially complete in June, with landscaping work continuing into July.
 - Remaining major work items include completion of the traffic signals at Capitol Boulevard and Linderson Way, removal of the old signal equipment, the final lift of pavement, pavement markings, and landscaping.
- B. Littlerock Road – Trospen to South City Limits (2000007) / Status: Active
- The Cultural Resources Assessment brought to light additional requirements for the small piece of right-of-way that is needed from the Union Cemetery. Staff will have to verify the absence of human remains and then seek to have it removed from dedication for cemetery use.
 - Staff is finalizing construction documents.
 - The cost estimate and construction agreement for the Schedule 74 conversion is on hold until construction is imminent.
- C. Trospen Road Widening @ Skipper Lane (2002003) / Status: Active
- One of the two pieces of required right-of-way has been acquired.
 - The Trospen Road work will be added to the Littlerock Road project.
- D. North Street Reconstruction (2005011) / Status: Active
- Staff and PSE worked to squeeze the Schedule 74 conversion into the existing right-of-way. It appears that it will work, though construction around existing utilities will be difficult.
 - Staff awaits new preliminary plans from PSE/Potelco prior to 100% completion of the construction plans and specifications.

- E. Tumwater Town Center Connector (2005021) / Status: Active
 - Preferred alignment has been selected by the Council.

- F. Tumwater Boulevard/I-5 Interchange (2004015) / Status: Active
 - The project charter between WSDOT, FHWA and the City has been prepared.
 - Survey work has been completed.
 - TRPC has completed 2030 trip volumes. Traffic model is being calibrated.

- G. Deschutes Way Bike/Pedestrian Improvements (2006010) / Status: Active
 - Environmental work is underway.
 - The Historic Preservation Commission will direct the issuance of a Certificate of Appropriateness.

- H. Henderson Boulevard Railroad Crossing (2003021) / Status: Active
 - Union Pacific has yet to commit to a specific date for construction.

- I. 2007 Sidewalk Improvements, Infill & Traffic Calming / Status: Inactive

- J. Transportation Plan Review (2005012) / Status: Active
 - Staff has reviewed the plan and provided comments. Draft plan is being revised accordingly.

General Government

- K. Tumwater Valley Trail, Phase I / Status: Active

- L. Pioneer Park Phase III / Status: Active
 - Project is ready to go to construction once permits are secured, with consideration to the time frame restrictions included in the Corps of Engineers' permit.

Water

- M. Telemetry System Upgrade (07393) / Status: Active
 - Staff will seek authority to solicit proposals in 2007.
 - Staff has been, and continues to pursue installation of conduit for fiber optic cable to each of our telemetry sites for improved communications.

- N. Southwest Well Development (2003012) / Status: Active
 - Staff is pursuing water rights.
 - Recently completed models suggest mitigation will be necessary for any transfer.
 - Staff will work with the consultant to develop mitigation options.

- 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
 - A Phase 2 scope of work is under review, incorporating recommendations from the Phase 1 paper study.
 - Staff is developing a scope of work for rehabilitation of three existing wells that are failing. One will be completed this year.

- Q. Wellhead Protection Program - 2007 (2007003) / Status: Active
 - Staff will coordinate with Thurston County Environmental Health staff to initiate the next round of wellhead protection area inspections.

- R. Water Conservation Program - 2007 (2007004) / 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.
 - Outdoor irrigation audits for 2007 are being planned with revisions to add residential irrigation systems and a workshop.
 - Staff is reviewing innovative options for conservation measures for the institutional, commercial and industrial sectors.
 - The program "Efficient Water use" is currently being aired on Tumwater TV and will continue with show times throughout the summer.

Sewer

- S. Southern Connection – Local Piping (Custer Way Sewer (2005018) / Status: Active
 - The shoreline development and hydraulic permit process is running its course.
 - Construction could begin in August.

- T. Sanitary Sewer Comprehensive Plan Update / Status: Inactive
 - Statements of qualifications have been received. Selection of a consultant will be made in 2007.

- U. 2006 Annual Sewer Rehabilitation Program (2005029) / Status: Active
 - Staff awaits return of completed paperwork from the contractor to close out the project.

- V. Littlerock Road Interceptor (2006002) / Status: Active
 - Work was suspended due to high groundwater.
 - Monitoring wells were installed and staff hopes the contractor will be able to return to work by July.

- W. LOTT-Funded Water Conservation Projects / Status: Active
- The “Wash Wise” washing machine replacement program continues in 2007 complemented by rebates from Puget Sound Energy. To date, 19 \$100 rebates have been given out to Tumwater residents. A final count for 2006 yielded 101 rebates.
 - The Water Smart Technology program continues. Staff completed revisions to the program to encourage more participation from local businesses, and are now offering 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.
 - Staff worked with the Partnership to develop a regional program to market options for water conservation, including bus advertisements and brochures. These materials will be in use starting in May.

Storm

- X. Salmon Creek Basin / Status: Active
- Pacific Groundwater Group is the city’s consultant for third party review of high groundwater related projects.
 - Staff is pursuing development of an “integrated guidance” document for developers interested in working within high groundwater areas.
- Y. Barnes Lake Management District (LMD) (2007005) / Status: Active
- The Barnes LMD steering committee continues to meet monthly focusing on development of an integrated aquatic vegetation management plan.
 - The 2007 budget and work plan has been approved and is available on the city’s website.
 - The Aquatic Vegetation Management Plan is finalized and is available on the city’s website.
 - Northwest Aquatic Ecosystems has been selected as the treatment provider and staff is negotiating the scope and contract.
- Z. Barnes Lake Basin Assessment (2007014) / Status: Active
- Staff is negotiating a scope of work with Golder Associates to perform a hydrogeological evaluation of the Barnes Lake system.
- AA. Drainage Manual Revisions / Status: Active
- The drainage manual is in the final stage of review. Staff is coordinating with the regional partners to complete final text revisions and usher through adoption.
 - The regional stormwater TAC is developing a training program for internal staff.

II. SIGNIFICANT ACTIVITIES

- A. Consumer Confidence Report, 2006
 - Staff has contracted with Wright Communications to prepare and distribute the annual report for 2006.

- 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 Rights
 - Staff continues pursue leads on additional water rights for transfer to the Southwest well field.
 - Two applications for transfer of rights to the Bush well field have been approved by DOE
 - Staff is reviewing reports on the Northeast well field and will begin negotiations with DOE when review is complete.

- D. Well Drilling Ordinance
 - Staff is considering language to limit the drilling of new wells for potable use to further protect groundwater sources, and to require transfer of water rights from large developments seeking annexation and water service.

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

- F. Stream Team
 - Partnered with Lacey, Olympia, and Thurston County to provide regional programs including:
 - Quarterly newsletter written, edited and distributed.
 - Attended "Storming the Sound" educational workshop in January.
 - Attended annual WSU Native Plant Salvage project meeting.
 - Wrote article on outdoor you education for *The Olympian*.
 - Partnered with Lacey and LOTT to plan and present "Purple Pipe Dreams: Reclaimed Water Benefits for People and Fish" field class on March 31st.
 - Deschutes River Habitat Enhancement: Additional native flowering bare-root shrubs planted at Site 130 on March 10th.
 - Percival Creek Habitat Enhancement:
 - Volunteers weeded plantings throughout the winter.
 - Earth Day event planned for April 21st.
 - Salmon Stewards:
 - Interjurisdictional planning begun for 2007. Tumwater will take lead on Salmon Stewards at Tumwater Falls Park.
 - Tumwater Falls Harvest Fest: Met with partners for 2007 planning.

- Storm Drain Marker program: Developed marketing campaign.
- South Sound GREEN (Technical Advisory Committee Chair):
 - Water quality chemical monitoring completed on March 1st.
 - Facilitated "State of the Rivers" session at annual GREEN Congress on March 22nd.
 - Assisted with Thurston Conservation District plant sale held on February 24th.
- Friends of the Deschutes Watershed Center (President):
 - Led bi-monthly meetings.
 - Met with Senator Karen Fraser to seek support for project.
- Natural Resources Youth Camp Board (Vice-Chair):
 - Attended 2007 camp planning meetings.
 - Recruited and hired counselors, recreation coordinator, nurse, program coordinator, and director.
 - Recruited staff for aquatic site.
- Staff continues serving on interjurisdictional committees including EETAC (Environmental Education Technical Advisory Committee), providing technical support to WRIA 13 evaluating and ranking local salmon recovery projects for SRFB funding requests, and serving on TMe3 (Thurston-Mason Education, Environment & Economy) Committee to plan a local summit for June 1st.

G. Watershed Planning

- Staff is considering development of a hydrologic watershed model.

H. Water Quality

- Results of the initial study to assess the effects of perchlorate on shallow groundwater at Tumwater Valley were presented to the Council. Phase 2 of the study was approved and is underway.
- HDR Engineering, inc. was selected for Phase 1 of the Water System Disinfection project to develop recommendations and designs for the most effective disinfection program and prepare a report to Department of Health.

I. Fish Rearing Facility

- Washington Fish & Wildlife (WDFW) continues with planning and design. The Governor's proposed budget includes over \$2 million for the watershed center and awaits House & Senate action.

J. 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 is reviewing the permit to incorporate program needs and determine a timeline for compliance.
- The regional West Nile Virus (WNV) outreach committee continues to

monitor the area. The regional group will begin meeting again in May to assess conditions for 2007.

- Staff continues to develop and implement an on-going inspection program for private stormwater facilities.

K. Utility Shut-Off Notices

- 331 notices were delivered in January, with 36 actual disconnects.
- 304 notices were delivered in February, with 35 actual disconnects.
- 324 notices were delivered in March, with 43 actual disconnects.

L. New Utility Service Installations

- Per Development Services' request 50 new water services and 3 sanitary sewer connections were installed in the 1st quarter of 2007.

M. Other Maintenance Activities

- 389 "One Call" utility locates were requested in the 1st quarter of 2007.
- 127 citizen action requests were completed in January, 106 in February, and 82 in March.

N. Survey, Mapping & Project As-Built Drawing Database

- New surveys, plats, etc., are added as new documents come in from Thurston County. New as-built documents, including utilities, are added to the drawing database as they are accepted and become available.
- In-progress project drawings are now scanned and added to the server for accessibility by city staff.
- All information in the Public Works drawing and recorded survey databases, including aerial photography and project as-builts are hyperlinked in PDF format MAP and are available to city staff on the Public Works server.
- Tumwater's GPS system is now a partner in the Washington State Virtual Reference Station Network, allowing for improvements in data acquisition and sharing.
- In conjunction with the EDEN conversion, the framework for implementation of a GIS system is being developed.

O. Education / Training / Workshops

- City Surveyor Frank Jackson attended the three-day Land Surveyors Association of Washington (LSAW) conference held in Tacoma on February 28th thru March 2nd.
- Water Resources Program Manager Dan Smith attended a one-day workshop on March 20th entitled "Solutions for Stormwater Management" regarding low-impact development.

P. Personnel

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- Stream Team Coordinator Debbie Smith was selected as the City of Tumwater's Champion and attended the Together! Champion for Kids banquet on February 26th.

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