



April 16, 2009

TO: Doug Baker, City Administrator  
FOR: City Council  
FROM: Public Works Department  
RE: **PUBLIC WORKS DEPARTMENT REPORT – 1<sup>st</sup> QUARTER, 2009  
JANUARY, FEBRUARY & MARCH**

I. MAJOR PROJECTS

**Transportation**

- A. Littlerock Road, Phase 1 – Odegard to South City Limits (2000007) / Status: Active
- Construction is underway, however a partial work suspension has been issued due to relocation work by PSE and Qwest.
- B. Trospen Road Widening @ Skipper Lane (2002003) / Status: Inactive
- Construction will be done with Phase 2 of Littlerock Road.
- C. North Street Reconstruction (2005011) / Status: Active
- Minor punch list items will soon be addressed.
  - A sewer main deficiency and several side sewers that may have problems will need further investigation before determining what's needed for correction.
  - The last remaining item of work to complete is the final lift of pavement and accompanying pavement markings. The paving work will most likely occur in May.
- D. Tumwater Town Center Connector (2005021) / Status: Inactive
- E. Tumwater Boulevard/I-5 Interchange (2004015) / Status: Active
- Evaluation of alternatives has been completed and a preferred alternative has been selected. The preferred alternative includes a roundabout diamond interchange.
  - Environmental and design work are underway.
- F. Deschutes Way Bike/Pedestrian Improvements (2006010) / Status: Active
- The project is physically complete except for a few minor punch list items.
- G. Henderson Boulevard Railroad Crossing (2003021) / Status: Inactive

- Union Pacific Railroad has not yet committed to a date for construction of the grade crossing.
- H. Capitol Boulevard – “M” to “X” (2005028) / Status: Active
- Staff continues to work on design and right-of-way while waiting for the overhead utility undergrounding cost estimate from Puget Sound Energy.
- I. ARRA Stimulus Grants
1. Capitol Boulevard, “E” to “M” (2009009) / Status: Active
    - Design work is well underway. Where it will fit, a nine-foot wide sidewalk that can accommodate tree wells is being considered, however there is an existing storm drain main and numerous telephone conduits in the project area.
  2. Capitol Boulevard Overlay, Dennis to Israel (2009010) / Status: Active
    - Work on the contract drawings has begun.
    - Staff will work to provide video traffic detection in advance of the project for traffic northbound at Dennis and southbound at Israel where the in-pavement detection loops will be destroyed by construction.
    - The existing road surface will be planed and areas in very poor condition will be removed and replaced prior to application of the new pavement overlay.

### **General Government**

- J. Pioneer Park Phase III / Status: Active
- The plans and specifications are ready for solicitation of bids when permits and funding are approved and available.

### **Water**

- K. Telemetry System Upgrade (07393) / Status: Active
- Staff will seek authority to solicit proposals in 2009.
- L. Southwest Well Development (2003012) / Status: Active
- Staff continues to pursue opportunities to acquire water rights.
- M. Northeast Area Water Rights (2007013) / Status: Active
- Determination of mitigation needs is underway.
  - Staff has begun negotiations with stakeholders in support of securing water right approvals from DOE.
- N. Water System Comp Plan Update (2009006) / Status: Active
- The team from HDR, Inc. has been selected to provide services for the

- required update to the city's water system comprehensive plan.
  - Budget and scoping discussions are expected to conclude in April.
- O. Palermo Wellfield Improvements (2006014) / Status: Active
- Phase 2 field analysis work continues.
  - Staff is working to refine the scope of work for project completion during summer 2009.
- P. Water System Disinfection (2006024) / Status: Active
- Phase 2 – design of disinfection facilities – 60% design has been completed.
  - Uni-Directional Flushing (UDF) pilot program field activities are complete. Data collected is being reviewed and staff is in the process of finalizing steps necessary for on-going program implementation.
- Q. Wellhead Protection Program - 2009 (2009003) / Status: Active
- Staff is planning an outreach program aimed at pollution prevention.
- R. Water Conservation Program - 2009 (2009004) / Status: Active
- Free indoor water saving kits, automatic shut-off spray nozzles, rain gauges, outdoor watering guides, and hose timers, and \$10 rebates for purchase of a rain barrel remain available to all water customers.
  - Water conservation materials are distributed to water customers at public events. A new conservation brochure is under development.
  - Through our conservation efforts to date, the city has saved approximately 6,600 gallons per day.

### **Sewer**

- S. Southern Connection – Local Piping (Custer Way Sewer (2005018) / Status: Active
- Staff and the contractor are working to formulate a plan and establish a price for the repair of a slope failure on the hillside work zone. The slide occurred during the heavy snow and rain this past winter. FEMA funds have been applied for.
  - The new work must be done concurrently with completion of the connection between the UPRR right-of-way and the new Metalcraft lift station.
  - Some of the asphalt patching on Schmidt Place will be replaced due to sinking caused by a faulty storm drain pipe.
- T. Littlerock Road Interceptor (2006002) / Status: Complete
- The interceptor is complete and staff is awaiting documentation from the contractor, Northwest Cascade, relative to the dewatering cost that was added to the project.
- U. LOTT-Funded Water Conservation Programs / Status: Active
- The “Wash Wise” washing machine replacement program continues in

- 2009 complemented by rebates from Puget Sound Energy.
- The Water Smart Technology program continues. Local businesses are offered rebates of 75% for retrofitting existing facilities to be more resource efficient. Three applications are being processed, including the City of Tumwater, which plans to replace 14 high-volume fixtures with low-flow/dual-flush 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 underway, including a direct install program for commercial customers, and a rebate program for residential customers.

### **Storm**

- V. Barnes Lake Management District (LMD) (2009005) / Status: Active
- Vegetation treatments for 2009 are underway; the contractor is removing vegetative debris that surfaced in 2008.
  - The Barnes LMD steering committee continues to meet monthly.
- W. Barnes Lake Basin Assessment (2007014) / Status: Active
- The hydrogeological evaluation of the Barnes Lake system by Golder Associates is complete. Staff awaits the final report expected in April.
- X. Drainage Manual Revisions / Status: Active
- The drainage manual is in the final stage of review.
  - Staff is coordinating with Thurston County for regional adoption.

## **I I. SIGNIFICANT ACTIVITIES**

- A. Consumer Confidence Report, 2008
- Development of the 2008 report is underway. Wright Communications will once again provide services for report completion.
- B. Water Quality
- Perchlorate Study: The monitoring schedule has been reduced to quarterly.
  - Lead & Copper Monitoring Program: The city remains in compliance; however increasing levels indicate disinfection may be increasing corrosivity of the water. Staff continues monitoring the issue. The next monitoring round is scheduled for 2010.
  - Deschutes River TMDL (Total Daily Maximum Load): Staff is participating on an advisory group to Ecology for the development of an action plan to address water quality issues along the Deschutes River and tributaries. Meetings are held monthly at the Tumwater Headquarters Fire Station.
- C. Water Rights Acquisitions

- Lakeland Manor
  - Acquisition of the system has been completed. Transition of the customers to the city's system began in January; approximately 25% have been fully integrated into the city's meter system.
  
- D. Budd Inlet Restoration Partnership
  - Staff is working with the regional partners to develop an action plan to guide restoration activities.
  
- E. Stream Team
  - Partnered with Lacey, Olympia, and Thurston County to provide regional programs including:
    - Quarterly newsletter written, edited and distributed.
    - Kicked off "PS (Puget Sound) I Love You" education campaign with an environmental fair on February 14<sup>th</sup>.
    - Provided two pet waste sign/bag dispensers to the Somerset Hills Homeowners Association.
    - Volunteer work party on February 28<sup>th</sup> cleaned and organized tools and equipment in the new storage shed.
  - Percival Creek Habitat Enhancement:
    - Revegetation work parties held January 17<sup>th</sup> and March 14<sup>th</sup>.
  - Tumwater Falls Education Events:
    - Began planning for May 29<sup>th</sup> human and natural history event and the fall Harvest Fest.
  - Thurston Conservation District/South Sound GREEN:
    - Water quality monitoring completed for Deschutes River and Percival Creek on February 26<sup>th</sup>.
    - Participated in GREEN Congress – facilitated "State of the Rivers" session and taught "Drop by Drop" workshop.
  - Tumwater School District:
    - Facilitated Challenge Course for Tumwater 6<sup>th</sup> grade Outdoor School.
  - Natural Resources Youth Camp Board (Vice-Chair)
    - Recruited staff for camp; marketed camp to Thurston County residents, including Tumwater schools.
  - Northwest Aquatic & Marine Educators (NAME): Participated in regional education event at Padilla Bay.
  - Interjurisdictional Committees:
    - Participated in joint EETAC/TME3/PSP (Puget Sound Partnership) regional meeting.
  
- F. Fish Rearing Facility
  - Progress on this project is in the hands of Washington Fish & Wildlife (WDFW) and the Legislature.
  
- G. Stormwater Management
  - Revisions to the stormwater ordinance are underway. These revisions –

addressing pollution, construction site runoff and maintenance – are expected to be complete by June.

- The City of Tumwater is an NPDES Phase II permittee. Staff has completed the second annual report.
  - Staff continues to manage grant funding received to expedite compliance of NPDES activities. The city received \$75,000 to be used by July 2009.
  - Development of educational materials required for compliance with NPDES is complete and are posted on the city's website and key areas throughout city hall.
  - An Illicit Discharge Detection & Elimination program is under development and a reporting "hotline" number has been posted on the city's website. Staff expects the full program to be implemented by August 2009.
  - Staff provided training to Facilities, Operations and Fire personnel on newly-acquired pollution prevention materials designed to encapsulate petroleum-based products spilled during routine activities and accidents.
- Additional staff training for CESCL (Certified Erosion & Sediment Control Lead) is on-going. Other training opportunities will be made available as they arise.
- The regional West Nile Virus (WNV) outreach committee continues to monitor the area. In 2008 there were 3 human cases in King and Pierce counties, although officials believe it was contracted in Eastern Washington. Staff will be attending the state workshop in April.
- Staff continues to develop and implement an on-going inspection program for private stormwater facilities. A workshop for stormwater pond maintenance is scheduled for April.

**H. Telemetry**

- Operations staff has successfully established communications/telemetry with four traffic signal controllers on Linderson Way, Tumwater Boulevard and Old Highway 99 using the city's fiber optic network. This allows Operations staff to remotely monitor and evaluate the signals' performance remotely from a centralized location at the Public Works shop.

**I. Utility Shut-Off Notices**

- 440 notices were delivered in January, with 57 actual disconnects.
- 452 notices were delivered in February, with 50 actual disconnects.
- 429 notices were delivered in March, with 44 actual disconnects.

**J. New Utility Service Installations**

- Operations staff installed 29 water meters for new construction and

- received 12 requests for new water services in the 1<sup>st</sup> quarter.
  - There were 9 new requests for sewer connections from Development Services in the 1<sup>st</sup> quarter.
- K. Other Maintenance Activities
- 273 "One Call" utility locates were requested in the 1<sup>st</sup> quarter of 2009.
  - 95 citizen action requests were completed in January, 130 in February; and 85 in March.
- L. Survey, Mapping & GIS
- Street sign data has been edited. GIS/GBA will be updated upon completion of the software support agreement.
  - Collection of data for traffic signal poles and street lights in progress (75% complete).
  - Sewer system map update in progress to allow data to be migrated into GIS/GBA.
- M. Education / Training / Workshops
- Water Resources Specialist Tim Wilson attended the Certified Erosion & Sediment Control Lead training in February.
  - Mapping/Survey Manager Frank Jackson attended the Land Surveyors' Association of Washington's annual conference in Tacoma, March 4<sup>th</sup> to 7<sup>th</sup>.
  - Water Resources Manager Dan Smith attended two classes at The Evergreen State College in March – "Fund Development Planning" and "Getting Grants".
  - An EPA webcast on Green Infrastructure was attended by Water Resources staff Dan Smith and Tim Wilson.
  - Five members of the Operations Division attended the Water & Wastewater Operators Workshop in March.
- N. Personnel
- Maintenance Worker Dennis Ashe was appointed to the vacant Water Quality Technician position effective March 1, 2009.
  - City Engineer John Norman was transferred to the Public Works Engineering Division effective March 16, 2009.
  - Former Building & Fire Inspector Garry Allison was transferred to the Public Works Operations & Maintenance Division effective March 17, 2009.

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