



April 13, 2006

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT -- 1<sup>st</sup> QUARTER, 2006  
JANUARY, FEBRUARY & MARCH**

I. MAJOR PROJECTS

**Transportation**

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (0X378) / Status: Active
- Bid opening is scheduled for April 12<sup>th</sup>.
  - Olympic Pipe Line Company is nearly finished moving obstructions from the right-of-way dedicated by the Port. Other private utility companies have been relocating conflicting facilities as well.
- B. Littlerock Road – Trospen to South City Limits (0X377) / Status: Active
- Negotiations on right-of-way purchases continue. Appraisal services are essentially complete.
  - Staff will monitor progress for several months before bring forward a condemnation ordinance.
  - Design work has focused mainly on the sewer main project that will precede the road work.
- C. Trospen Road Widening @ Skipper Lane (0X387) / Status: Active
- The large piece of right-of-way has been purchased and a second, smaller piece is being sought.
  - The Trospen Road widening work will be added to the Littlerock Road project.
- D. North Street Reconstruction (0X398) / Status: Active
- Staff is working to complete the right-of-way purchases needed for ADA-compliant ramps.
  - State forces continue to work on the City's behalf to get National Environmental Protection Act (NEPA) approval.
  - Design work is substantially complete.

- E. Old Highway 99 & Henderson Signal (0X389) / Status: Active
  - The signal project is complete except for some fine tuning and final punch list items.
- F. Tumwater Town Center Connector (0X396) / Status: Active
  - Alternatives were presented at the Council work session in March.
  - A public meeting will be scheduled to discuss the alternatives.
- G. Tumwater Boulevard/I-5 Interchange (0X393) / Status: Active
  - The project charter between WSDOT, FHWA and the City has been prepared.
  - Survey work is underway.
- H. Deschutes Way Bike/Pedestrian Improvements (0X399) / Status: Active
  - Some preliminary design work is being done to use in what staff anticipates to be an extensive environmental process.
- I. Henderson Boulevard Railroad Crossing (0X394) / Status: Active
  - UPRR's final estimate was higher than the FHWA grant amount. Staff has requested additional grant funding to cover the additional costs.
- J. 2006 Sidewalk Improvements (0X201); Sidewalk Infill (0X202) / Status: Inactive
- K. 2006 Pavement Markings (05204) / Status: Inactive
- L. Transportation Plan Review (0X351) / Status: Active
  - A preliminary draft has been submitted by the consultant for staff review for format and existing condition information.
  - Analysis of future conditions and development of project lists is underway.
- M. Tumwater Trails Plan (0X391) / Status: Active
  - Public Works staff stands ready to assist Parks & Recreation in further development of the plan.

### **General Government**

- N. Pioneer Park Phase III (0X304) / Status: Active
  - Plans and specifications for construction will be ready when Parks & Recreation receives the shoreline substantial development permit.
  - The Corps of Engineers has put a restriction on the time frame for construction of the project.

**Water**

- O. Telemetry System Upgrade (07393) / Status: Active
  - Staff expects to seek authority to solicit proposals in early 2006.
  
- P. Southwest Well Development (07392) / Status: Active
  - Staff is pursuing water rights and establishment of a satellite facility to provide water to at least one local property.
  
- Q. Custer Way Water Improvements (07396) / 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.
  
- R. Wellhead Protection Program (02104) / Status: Active
  - An agreement with the county extending the groundwater monitoring program for five years has been signed.
  - Staff is evaluating options for developing a network of monitoring locations in the southwest well field wellhead protection area.
  - Staff is exploring options for some monitoring wells that are in need of rehabilitation.
  
- S. Reservoir Mixing Improvements (07398, 07399 & 073400) / Status: Complete
  - Project work has been completed.
  - In April, the Council will be requested to consider discontinuing chlorination.
  
- T. Water Conservation Program (02108) / 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.
  - An in-classroom conservation pilot program for students at Peter G. Schmidt Elementary School is underway. Each student's family is expected to save approximately 10,000 gallons per year after implementing the program.
  - The commercial irrigation program has been reinstated with the goal of reaching five of the largest irrigators. To date, 10 irrigators have participated in the program and reduced demand based upon recommendations in the audit.
  - Staff is preparing an annual advertisement detailing outdoor water conservation messages for inclusion in the Olympian's "Sourcebook".
  - An audit recipient from 2004 implemented a number of water saving recommendations and has reduced water use an average of 50% over previous years.

**Sewer**

- U. Southern Connection – Local Piping (08328) / Status: Active
  - Design for the first phase (Custer Way improvements) is complete.
  - Staff is completing the design of the second phase in the area around the Crosby House and the former brewery. The project will be ready for bid in the Summer of 2006.
  
- V. Sanitary Sewer Comprehensive Plan Update (08331) / Status: Inactive
  - Statements of qualifications have been received. Selection of a consultant will be made in Summer 2006.
  
- W. 2006 Annual Sewer Rehabilitation Program (08336) / Status: Active
  - Work is underway. The contractor, Northwest Cascade, Inc., has proposed an aggressive schedule for completing the project.
  
- X. Littlerock Road Interceptor (08334) / Status: Active
  - Plans and specifications are nearly complete. A call for bids should begin in May.
  
- Y. LOTT-Funded Water Conservation Projects (30097) / Status: Active
  - The “Wash Wise” washing machine replacement program continues in 2006 complemented by rebates from Puget Sound Energy. In 2005 over 115 \$100 rebates were given out to Tumwater residents, as compared to 94 rebates in 2004.
  - The Water Smart Technology program continues. Staff is preparing revisions to the program to encourage more participation from local businesses.
  - Staff has completed a project with Puget Sound Energy to replace the spray heads used to wash dishes in restaurants at no cost to the restaurants. In 2005 a total of 76 spray heads and 48 aerators at Tumwater businesses were replaced to save an estimated 7,137,000 gallons per year. Staff is reviewing an additional collaborative opportunity with PSE for resource-efficient technologies within restaurants.
  - Staff is working to update LOTT’s water conservation plan to aid in the reduction of wastewater flows and improve indoor water conservation opportunities. A revised plan is expected to be completed in mid 2006.

**Storm**

- Z. Salmon Creek Basin (09322) / Status: Active
  - Staff has prepared revisions to the recently adopted high groundwater ordinance to facilitate third party review and/or analysis.
  - Staff is preparing an update on recommendations made in the Salmon Creek Comprehensive Basin Plan.
  
- AA. Barnes Lake Management District (LMD) (43000) / Status: Active

- The Barnes LMD steering committee continues to meet monthly. The Ground Rules and Charter were approved by Council in February.
- The steering committee has met with representatives from Thurston County and Ecology in preparation for undertaking lake management activities and has developed an annual work plan and budget for 2006. The committee continues development of an integrated aquatic vegetation management plan.

**BB. Drainage Manual Revisions (04315) / Status: Active**

- Educational materials are being developed for the public hearing process.
- SEPA review is complete. No comments were received and SEPA has been approved

**CC. Deschutes/Percival Habitat & Public Education Grant / Status: Active**  
Includes: Deschutes River Site 130 (09325); Watershed Signing (09326); and Deschutes Planting, Phase III (09327)

- Construction is complete and staff is preparing documents to finalize the contract and seek Council acceptance.
- Stream Team volunteers planted replacement and additional shrubs donated by the WSU Native Plant Salvage Project on March 4<sup>th</sup>.
- The final grant report and request for reimbursement have been submitted to Ecology.

**DD. Percival Creek Habitat Restoration (04318) / Status: Active**

- An all-day Earth Day event involving Tumwater Middle School, Tumwater High School and the Tumwater Old Town Center Youth Program is planned for April 20<sup>th</sup>.

**II. SIGNIFICANT ACTIVITIES**

**A. Consumer Confidence Report, 2005**

- The contract has been prepared and development of the report is underway.

**B. Cross Connection Control**

- The cross connection control brochure is complete and ready to publish.
- An initial mailer is being prepared and expected to be delivered to all customers within the next few months. 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 to negotiate pending applications with Ecology.

- Staff is pursuing leads on additional water rights for transfer to the Southwest Well Field.
- D. Reclaimed Water
- Reclaimed water facilities at the main treatment plant in Olympia are up and running and the first reclaimed water will be put to beneficial use this summer in the community.
  - Educational materials have been prepared to introduce the public to this new water resource.
  - The Hawks Prairie Satellite Plant is expected to be in operation this summer, ramping up production to two million gallons/day by August.
- E. Well Drilling Ordinance – Inactive
- F. FOG (Fats / Oil / Grease)
- Staff continues to work with businesses to reduce FOG-related materials in the waste stream.
- G. Stream Team
- Partnered with Lacey, Olympia, and Thurston County to provide regional Stream Team programs including
    - Volunteer recognition event on January 19<sup>th</sup> at Schmidt House. Awards given to Tumwater Old Town Center Youth Program and Joe Reder & staff of the Olympia-Tumwater Foundation.
    - Quarterly newsletter layout redesigned; Spring edition written, edited and distributed.
    - Supported regional events: “Glaciers, Water and Land” February 5<sup>th</sup>; “Land, Water and Early Peoples” March 5<sup>th</sup>; and “Tending the Tidelands: Growing Shellfish in South Puget Sound” workshop March 25<sup>th</sup>.
  - Storm Drain Marker program:
    - Markers provided for new construction projects.
    - Presentation to Barnes LMD meeting with marking event scheduled for April 22<sup>nd</sup>.
  - Led South Sound GREEN as Technical Advisory Committee Chair:
    - Quarterly advisory meeting January 12<sup>th</sup>.
    - Water quality monitoring (chemical) samples on Percival Creek at Sapp Road and Chapparrel taken March 2<sup>nd</sup>. Samples were tested with the assistance of Tumwater Middle School GREEN students. Results within optimal standards for all parameters.
    - Facilitated “State of the Rivers” session at the South Sound GREEN Congress on March 23<sup>rd</sup>.
  - Friends of the Deschutes Watershed Center, President.
    - Information kiosk in development.
  - Natural Resources Youth Camp board, Vice-Chair
    - Planned 2006 camp curriculum.
    - Worked on recruitment of new staff.

- Interjurisdictional committees:
  - Served on EETAC (Environmental Education Technical Advisory Committee) to coordinate efforts within the county.
  - Planned “Storming the Sound” outreach event for South Sound educators.
  - Provided technical support to WRIA 13 advisory group.
  - Attended strategy meeting on controlling Knotweeds.
  
- H. Watershed Planning
  - A report on Ecology’s Deschutes TMDL (Total Maximum Daily Loading) process will be available in Spring 2006.
  
- I. Water Quality
  - Local businesses continue to be evaluated for appropriate on-site treatment options and participation in the program.
  - Notification pertaining to the temporary chlorination is being prepared for a May delivery to residents.
  
- J. Fish Rearing Facility
  - Washington Fish & Wildlife (WDFW) continues with planning and design. The Legislature allocated \$180,000 funding through the State supplemental budget to continue the project.
  - “Friends of the Deschutes Watershed”, a 501(c)(3) corporation, continues to guide initial development of community involvement and funding, and to advise WDFW on project development. Their website is up and running at [www.DeschutesWatershedCenter.org](http://www.DeschutesWatershedCenter.org).
  
- K. Stormwater Facility Outreach
  - The regional West Nile Virus (WNV) outreach committee continues to monitor the area. To date there have been no human cases of WNV contracted in Washington State. WNV has been confirmed in one horse and one bird sample in Yakima County. As Washington remains the only continental US state that has not seen any human cases, the WNV group will continue monitoring WNV activity in 2006 with additional funds from the state and CDC.
  - Staff continues to develop and implement an on-going inspection program for private stormwater facilities.
  
- L. Utility Shut-Off Notices
  - 281 notices were delivered in January, with 34 actual disconnects.
  - 266 notices were delivered in February, with 26 actual disconnects.
  - 284 notices were delivered in March, with 38 actual disconnects.
  
- M. New Utility Service Installations
  - Per Development Services' request 63 new water services and 20

sanitary sewer connections were installed in the 1<sup>st</sup> quarter of 2006.

- N. Other Maintenance Activities
- 294 "One Call" utility locates were requested in the 1<sup>st</sup> quarter of 2006.
  - 91 citizen action requests were completed in January, 91 in February, and 74 in March.
- O. 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 are added to the drawing database as they are accepted and become available.
  - Parcel and address mapping updates to reflect development and parcel changes are completed as time allows.
  - City-wide easement and right-of-way vacation mapping are entered as time allows.
  - City sanitary sewer and storm drainage system maps are being updated.
  - 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.
- P. Education / Training / Workshops
- Acting Water Resources Program Manager Dan Smith attended the American Water Works Association's "Commercial & Institutional Water Audit Training" workshop (indoor water use) in February.

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