



July 12, 2007

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT -- 2nd QUARTER, 2007
APRIL, MAY & JUNE**

I. MAJOR PROJECTS

Transportation

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (2000008) / Status: Active
- The current plan calls for final paving to be done during the week of July 16th during night-time hours.
 - Other work remaining includes finishing the landscaping, striping, revisions to the storm pond, traffic islands and crosswalks, and clean-up and punch list items.
- B. Littlerock Road – Trosper to South City Limits (2000007) / Status: Active
- Permitting and excavating will be required to verify the absence of human remains in the right-of-way area to be acquired from the Union Cemetery. Staff had hoped ground penetrating radar could be used, however, it is not available.
 - Our consultant is working on the last easement required for the Schedule 74 overhead power conversion. The final work plan and agreement for this work will need to be completed as the construction date nears.
- C. Trosper Road Widening @ Skipper Lane (2002003) / Status: Active
- Our consultant is pursuing acquisition of the final piece of right-of-way needed so this work can be added to the Littlerock Road project.
- D. North Street Reconstruction (2005011) / Status: Active
- Staff is verifying some proposed curb and existing pole locations so PSE can complete their relocation design for the transmission system.
 - Potelco is working on the Schedule 74 conversion. Staff will complete construction plans once the conversion plan is approved.
- 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 preparing the alternatives for evaluation.
- G. Deschutes Way Bike/Pedestrian Improvements (2006010) / Status: Active
- FHWA and WSDOT have approved the environmental work for NEPA approval. The remaining environmental documents have been submitted and staff awaits comment and approval.
 - Construction plans are partially completed and will be finished once the environmental documents are approved.
- H. Henderson Boulevard Railroad Crossing (2003021) / Status: Active
- The crossing signal is in. Staff is awaiting word on scheduling of the roadway grade crossing. The grade crossing replacement will likely be very disruptive to traffic for one to two days.
- I. 2007 Sidewalk Improvements, Infill & Traffic Calming / Status: Inactive
- J. 2025 Transportation Plan (2005012) / Status: Active
- The final draft plan is at Planning Commission for consideration.

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. Modeling suggests that mitigation will be necessary for any transfer.
 - Staff is working with the consultant to develop mitigation options.
 - Negotiations are underway to secure withdrawal locations.
- 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.
- Q. Water System Disinfection (2006024) / Status: Active
- 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. Work is underway.
- R. 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.
- S. 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. Free hose timers for residents irrigating manually are also available.
 - Outdoor irrigation audits for 2007 are underway. Two workshops for residential irrigation are scheduled for July.
 - 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.
 - Water Use Efficiency Rule: The city is required to set a quantifiable conservation goal by October 2007. Staff is reviewing compliance needs for the city and options for a smooth transition. Discussions of the issues with Operations and the Fire Department have occurred as part of the "loss accounting" portion of the law.

Sewer

- T. Southern Connection – Local Piping (Custer Way Sewer (2005018) / Status: Active
- Construction is scheduled to begin in September once the shoreline development and hydraulic permit process has been completed.
- U. Sanitary Sewer Comprehensive Plan Update / Status: Inactive
- Statements of qualifications have been received. Selection of a consultant will be made in 2007.
- V. 2006 Annual Sewer Rehabilitation Program (2005029) / Status: Active

- The contractor has finally provided the requested paperwork. Staff will now move forward to close out the project.
- W. Littlerock Road Interceptor (2006002) / Status: Active
- Staff has been monitoring ground water levels, which are slowly but steadily dropping.
 - The contractor and staff are discussing the schedule to resume work. Staff anticipates that the project will continue through the end of the year.
- X. LOTT-Funded Water Conservation Programs / Status: Active
- The “Wash Wise” washing machine replacement program continues in 2007 complemented by rebates from Puget Sound Energy. Year-to-date, 26 \$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 were distributed and displayed in May.
 - 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.

Storm

- Y. East Capitol Boulevard Area Outfall Improvements (2007009) / Status: Active
- This project will replace deteriorated pipe at the Tumwater Valley Municipal Golf Course that carries storm runoff from the east Capitol Boulevard area to the Deschutes River.
 - A public works contract was awarded to KBH Construction of Olympia at the July 3rd Council meeting.
- Z. Salmon Creek Basin / Status: Active
- Pacific Groundwater Group is the city’s consultant for third party review of high groundwater related projects.
 - An “integrated guidance” document for developers interested in working within high groundwater areas has been completed including a work-around for developers using Ecology’s WWHM model to incorporate data for city compliance.
- AA. Barnes Lake Management District (LMD) (2007005) / Status: Active
- The Barnes LMD steering committee continues to meet monthly.

- 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 was selected as the treatment provider and a contract is in place. The initial assessment of vegetative growth has been completed. The first round of lake treatment is scheduled for July.

BB. Barnes Lake Basin Assessment (2007014) / Status: Active

- Staff developed a scope of work with Golder Associates to perform a hydrogeological evaluation of the Barnes Lake system.
- Water quality samples have been collected for the assessment and staff is awaiting results.

CC. 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

- Distribution of the 2006 annual report is complete. With the addition of distributing the report electronically to all state workers in the city, this year's report has reached the widest distribution ever.
- The report is also posted on the city's website.

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 to pursue leads on additional water rights for transfer to the Southwest well field.
- Staff is reviewing reports on the Northeast well field and will begin negotiations with DOE when review is complete.
- An ordinance requiring the dedication of existing water rights to the city as a condition of service is being developed.

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.

- A similar ordinance will be required by the EPA due to conditions at the Palermo Superfund site.

E. 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.
- Lead & Copper Monitoring Program:
 - Staff has initiated the next round of lead and copper monitoring.
 - Sixty customers have been invited to participate.
 - The programs is anticipated to be complete by the end of August.

F. FOG (Fats / Oils / Grease)

- Staff continues to work with businesses to reduce FOG-related materials in the waste stream.
- Staff conducted site visits to 10 businesses to examine the contribution of FOG materials in the sanitary sewer system.

G. LOTT Pretreatment Ordinance

- LOTT adopted new regulations in June that are designed to reduce the overall regulatory burden for both commercial/industrial users and city staff without adversely affecting environmental quality.
- Tumwater's matching ordinance will be brought forward for Council consideration in July.

H. Stream Team

- Partnered with Lacey, Olympia, and Thurston County to provide regional programs including:
 - Quarterly newsletter written, edited and distributed. Mailing list was reduced and copies are being sent electronically whenever possible to reduce printing & postage costs.
 - Partnered with WSU Native Plant Salvage Project to present "Meet the Trees of Washington" field class.
 - Planned annual benthic macro invertebrate training and monitoring.
- Deschutes River Habitat Enhancement:
 - Planned summer maintenance for Site 130 project.
 - Volunteers weeded riverbank along the driving range June 23rd.
- Percival Creek Habitat Enhancement:
 - Stream Team volunteers, including OTC youth, weeded plantings throughout the spring.
 - Earth Day event held April 21st.
 - Stream Team maintenance event held May 19th.
- Salmon Stewards:
 - Interjurisdictional planning continued 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 city and interjurisdictional marketing campaign.
 - Worked with OTC youth to install markers.
 - South Sound GREEN (Technical Advisory Committee Chair):
 - Coordinated quarterly meeting and funding.
 - Facilitated annual SSGREEN Congress debriefing.
 - Friends of the Deschutes Watershed Center (President):
 - Led bi-monthly meetings.
 - Natural Resources Youth Camp Board (Vice-Chair):
 - Attended 2007 camp planning meetings.
 - Recruited campers through Tumwater School District.
 - Led Aquatic Team at camp.
 - Interjurisdictional Committees:
 - Served on EETAC (Environmental Education Technical Advisory Committee) to coordinate education efforts within the county. Participated in annual planning meeting held on June 14th.
 - 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. Organized and facilitated at summit held on June 1st at the Evergreen State College
 - Worked with LOTT and Partners to plan future water conservation education interactive displays at new LOTT facility.
- I. 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).
- 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. An analysis of treatment options for consideration if WNV arrives in the state this year is being prepared.
 - A fact sheet for city staff and customer outreach will be prepared.
 - Staff continues to work with the regional partners to ensure any response is consistent among the jurisdictions.
 - Staff continues to develop and implement an on-going inspection program for private stormwater facilities.
- K. Utility Shut-Off Notices
- 224 notices were delivered in April, with 22 actual disconnects.

- 326 notices were delivered in May, with 48 actual disconnects.
 - 321 notices were delivered in June, with 44 actual disconnects.
- L. New Utility Service Installations
- Operations staff installed 65 water meters for new construction and 49 other requests for new water services in the 2nd quarter.
 - There were 99 new requests for sewer connections from Development Services in the 2nd quarter.
- M. Other Maintenance Activities
- 460 "One Call" utility locates were requested in the 2nd quarter of 2007.
 - 73 citizen action requests were completed in April, 78 in May, and 88 in June.
- N. Survey, Mapping & Project As-Built Drawing Database
- Developing conversion strategy for moving Public Works' information now in Hansen's utility database to GBA software.
 - Survey staff collecting field data using GPS to locate fiber optic conduit, lines and overhead poles, all water facilities, and new city facilities lying within new developments for mapping and input into ESRI GIS/GBA databases.
 - City Surveyor taking an active role is the work with Eden systems on the permitting and parcel mapping applications.
- O. Education / Training / Workshops
- Water Resources Program Manager Dan Smith attended a workshop by the Partnership for Water Conservation on June 5th on "Gearing up for the Water Use Efficiency Rule"; a DOH regional workshop for West Nile Virus planning on June 13th; and a two-day workshop on June 28th & 29th entitled "Water Rights Sales and Transfers".
- P. Personnel
- Sara del Moral began work on April 9th as an intern in the Water Resources Group.
 - Mike Erickson began work on May 1st as a maintenance worker in the Operations Division.

/smt