CITY OF TUMWATER
Washington's First Community.

October 11, 2007

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT -- 3rd QUARTER, 2007 JULY, AUGUST :& SEPTEMBER**

I. MAJOR PROJECTS

Transportation

A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (2000008) / Status: Active

- Final paving, pavement marking and Landscaping have been completed.
- Other than clean-up and punch list items the primary work remaining includes completion of the stamped concrete crosswalks. Because only a single lane of the cross walk can be completed at a time at each location, and because of the time necessary for the concrete to cure, this work is taking considerable time. It is anticipated that the work will be completed the first week in November, weather permitting.

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 has completed 90% design drawings which have been submitted to PSE so they can complete their relocation design for the transmission system. Once PSE completes their design, that work will be incorporated into the final design drawings.

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 evaluation of alternatives for initial screening is ongoing.
- Meetings have been held with City of Olympia, TRPC and City of Lacey to coordinate methodology for interchange projects that each of the jurisdictions are currently pursuing.

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 60% completed and will be finished once the environmental documents are approved.

H. Henderson Boulevard Railroad Crossing (2003021) / Status: Active
- The crossing signal equipment is in. Staff is awaiting word from the railroad on scheduling of the roadway grade crossing work. 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 plan has been forwarded to the City Council by the Planning Commission. A Council work session on the plan was held October 1st and the plan was sent to Public Works Committee for discussion.

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 2008.
- 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 that are expected to take place this fall.

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 wrapping up for the season. Two workshops for residential irrigation were conducted in July.
- Staff is reviewing innovative options for conservation measures for the institutional, commercial and industrial sectors.
- <u>Water Use Efficiency Rule:</u> The city is required to set a quantifiable conservation goal by January 2008. 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
- This project is scheduled to go to bid late t his year once the shoreline development and hydraulic permit process has been completed.

U. Sanitary Sewer Comprehensive Plan Update / Status: Inactive

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
- Due to slower than anticipated drop in the ground water level, it has been necessary to install dewatering wells along the project. The contractor has resumed work which will continue through the end of this 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, 86 $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.
- 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 place 1.6 gpf toilets with 1.28 gpf or less toilets.

Storm

Y. East Capitol Boulevard Area Outfall Improvements (2007009) / Status: Active
- This work is currently underway by the contractor KBH Construction of Olympia.

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 completed three vegetation treatments. Partial results of the treatments can be seem from aerial photos taken by staff on the BLMD's page of the city's website.

BB. Barnes Lake Basin Assessment (2007014) / Status: Active
- The hydrogeological evaluation of the Barnes Lake system by Golder Associates is underway.

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.

I I. 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 Phase II study to assess the effects of perchlorate on shallow groundwater at Tumwater Valley have been received. Staff is reviewing the report and preparing results for presentation to Council.
- Staff is conducting on-going monitoring of groundwater to examine annual trends.
- Lead & Copper Monitoring Program:
  - Staff has initiated the next round of lead and copper monitoring.
  - Thirty-five customers participated in this round.
  - Sample collection is complete and staff awaits the results.

F. FOG (Fats / Oils / Grease)
- Staff continues to work with businesses to reduce FOG-related materials in the waste stream.
- Staff is working with LOTT in the development of a potential regional program.

G. LOTT Pretreatment Ordinance
- The city adopted new regulations in September designed to reduce the overall regulatory burden for both commercial/industrial users and city staff without adversely affecting environmental quality.

H. Stream Team
- Partnered with Lacey, Olympia, and Thurston County to provide regional programs including:
  - Quarterly newsletter written, edited and distributed.
  - Partnered with WA Dept. of Ecology to organize and present the first annual "Bike Your Watershed" Deschutes River event at Tumwater Historical Park on July 29th.
  - Partnered with Thurston County to present "Tending the Tidelands: Yesterday and Today" field class on July 7th.
  - Conducted benthic macro invertebrate monitoring on Percival Creek and the Deschutes River.
  - Coordinated the volunteer recognition event held on September 23rd.
- Salmon Stewards:
  - Training Salmon Stewards both in class and field. Coordinated Salmon Steward program for Tumwater Falls Park.
- Deschutes River Habitat Enhancement:
  - Site 130 bank stabilization and habitat enhancement project summer

maintenance event held July 14th.

- Percival Creek Habitat Enhancement:
  - Bird study on-going.
  - Stream Team maintenance event held August 11th.
- Storm Drain Marker Program:
  - Prepared instructions and storm drain marker installation kits.
  - The initial order of 3,000 markers have been applied to city storm drains. An additional 1,000 markers were ordered.
- Tumwater Falls Harvest Fest: Organized educational program for the festival, including Salmon Stewards and the presence of FIN.
- South Sound GREEN (Technical Advisory Committee Chair):
  - Coordinated quarterly meeting and funding.
  - Crafted letter of support and received approval from Council to send the letter to the Thurston County Commissioners supporting Thurston Conservation Districts' request for reauthorization of assessment funding.
- Friends of the Deschutes Watershed Center (President):
  - Led monthly meetings.
  - Organized Friends' salmon bake for Harvest Fest.
- Natural Resources Youth Camp Board (Vice-Chair):
  - Attended camp debriefing.
- Northwest Aquatic & Marine Educators (NAME):
  - Attended annual conference July 15 – 18 in Astoria, Oregon.
  - Serving a regional President for 2007-2008.
- 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.
  - Attended and taught at Learning Communities event on September 25th.

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.
- Staff training for CESCL (Certified Erosion & Sediment Control Lead) is scheduled for October.

- 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 has been distributed.
  - Staff continues to work with the regional partners to ensure any response is consistent among the jurisdictions.
  - To date, there have been no detections in Thurston County. However, there have been eight horse infections and one positive bird sample in the state – all in Yakima County.
- Staff continues to develop and implement an on-going inspection program for private stormwater facilities.

K. Utility Shut-Off Notices
- 335 notices were delivered in July, with 32 actual disconnects.
- 318 notices were delivered in August, with 36 actual disconnects.
- 347 notices were delivered in September, with 47 actual disconnects.

L. New Utility Service Installations
- Operations staff installed 29 water meters for new construction and 67 other requests for new water services in the 3rd quarter.
- There were 77 new requests for sewer connections from Development Services in the 3rd quarter.

M. Other Maintenance Activities
- 441 "One Call" utility locates were requested in the 3rd quarter of 2007.
- 95 citizen action requests were completed in July, 66 in August, and 107 in September.

N. Survey, Mapping & Project As-Built Drawing Database
- Working on Phase II of GBA implementation.
- 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 parcel manager applications.
- Developing a fire hydrant inventory.
- Obtained 2006 aerial ortho photography from Thurston County and in the process of converting those photos to formats for use by city staff.

O. Education / Training / Workshops
- City Surveyor Frank Jackson attended the Northwest GIS User Conference and Training in Tacoma September 12th thru 14th.
- Water Resources Program Manager Dan Smith attended the NPDES Phase II implementation workshop on September 25th.

P. Personnel

- Dennis Ashe joined the Operations Division as a maintenance worker on July 2nd.
- After 17 years of service, Electrician Tom Reed retired from the Operations Division at the end of August.

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