



October 16, 2008

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT – 3rd QUARTER, 2008
JULY, AUGUST & SEPTEMBER**

I. MAJOR PROJECTS

Transportation

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (2000008) / Status: Complete
- Staff will seek Council acceptance of the project in October.
- B. Littlerock Road – Trospen to South City Limits (2000007) / Status: Active
- Alpha Development Corporation of Tacoma was awarded the contract for construction of Phase 1 (the portion between 73rd Avenue and Odegard Road).
 - Parametrix is working on design revisions to Phase 2.
- C. Trospen Road Widening @ Skipper Lane (2002003) / Status: Active
- Construction is planned to be done with Phase 2 of Littlerock Road.
- D. North Street Reconstruction (2005011) / Status: Active
- Curb and gutter is about 85% complete and the contractor has begun placing crushed surfacing in preparation for the first lift of asphalt, which is expected by the end of October.
 - Work continues on the driveways, sidewalks, irrigation and overhead conversions.
 - It is anticipated the project will be substantially complete when the roadway is to be opened on November 30th.
- E. Tumwater Town Center Connector (2005021) / Status: Inactive
- F. Tumwater Boulevard/I-5 Interchange (2004015) / Status: Active
- Evaluation of alternatives has been completed and a preferred alternative has been selected.
 - Verification of model results for the preferred alternative is underway.

- G. Deschutes Way Bike/Pedestrian Improvements (2006010) / Status: Active
 - DLB Earthwork of Tumwater was awarded the contract and has begun work.
 - The project should be complete by the end of November.
- H. Henderson Boulevard Railroad Crossing (2003021) / Status: Active
 - Union Pacific Railroad has not yet committed to a date for construction of the grade crossing.
- I. Capitol Boulevard – “M” to “X” (2005028) / Status: Active
 - Staff is working on survey and preliminary design in order to determine right-of-way needs for illumination, handicap-accessible ramps and structures for conversion of the overhead utilities to underground.

General Government

- J. Tumwater Valley Trail, Phase I / Status: Active
- K. Pioneer Park Phase III / Status: Active
 - The plans and specifications are essentially ready for advertising.

Water

- L. Telemetry System Upgrade (07393) / Status: Active
 - Staff will seek authority to solicit proposals in 2009.
 - Staff has been, and continues to pursue installation of conduit for fiber optic cable to each of our telemetry sites for improved communications.
- M. Southwest Well Development (2003012) / Status: Active
 - Staff is pursuing water rights. Modeling suggests that mitigation will be necessary for any transfer.
 - Negotiations are underway to secure withdrawal locations and water rights in support of operations in the southwest.
- N. 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.
- 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.
 - Staff solicited bids for test well drilling with the bid opening scheduled for September 30th. No bids were received.
- Q. Water System Disinfection (2006024) / Status: Active
- Phase 2 – design of disinfection facilities – is underway.
 - Unidirectional Flushing (UDF) pilot program planning is underway. Field activities are expected to take place in December.
- R. Wellhead Protection Program - 2008 (2008003) / Status: Active
- Staff and Thurston County Environmental Health have completed wellhead protection area inspections; all businesses are in compliance.
- S. Water Conservation Program - 2008 (2008004) / 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 are available to all water customers. Free shower timers will be made available in the 3rd quarter this year.
 - Outdoor irrigation audits for 2008 are underway. Three residential irrigation workshops have been completed regionally.
 - Water conservation materials distributed to water customers at public events.
 - Water Use Efficiency Rule: The city set a quantifiable conservation goal in February 2008. This goal represents the proportion of savings earned through the regional program. To date, the city has saved approximately 5,000 gallons per day.

Sewer

- T. Southern Connection – Local Piping (Custer Way Sewer (2005018) / Status: Active
- The lift stations at Schmidt Place and Historical Park are complete except for punch list items at each facility and paver surfacing at Historical Park.
 - The sewer in Custer Way is complete and all major flows have been redirected to LOTT via Boston Street.
 - The Metalcraft Lift Station is not yet operational. The contractor has to wait for availability of railroad flagging to finish the connection and complete the work. Staff anticipates this should be done by early November depending upon cooperation from the railroad.
- U. Littlerock Road Interceptor (2006002) / Status: Complete
- The interceptor is complete and staff is awaiting input from the contractor to make final payment and close out this project.
- V. LOTT-Funded Water Conservation Programs / Status: Active

- The “Wash Wise” washing machine replacement program continues in 2008 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; two applications from commercial projects are being processed.
- 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 pilot program for commercial customers is underway. This direct install pilot program will replace 3.5 gpf toilets and higher with 1.28 gpf or less toilets.

Storm

- W. East Capitol Boulevard Area Outfall Improvements (2007009) / Status: Complete
- Staff will seek Council acceptance of the project in October.
 - Staff is working with the Washington State Department of Emergency Management to get reimbursement for the cost to repair and mitigate the damage caused by flooding.
- X. Salmon Creek Basin / Status: Active
- Pacific Groundwater Group (PGG) is the city’s consultant for third party review of high groundwater related projects.
- Y. Barnes Lake Management District (LMD) (2008005) / Status: Active
- Vegetation treatments for 2008 are complete.
 - The Barnes LMD steering committee continues to meet monthly. Water Resources Educator presented weed information at the September meeting.
 - Winter cleanup of floating vegetation mats will take place in the 4th quarter.
- Z. Barnes Lake Basin Assessment (2007014) / Status: Active
- The hydrogeological evaluation of the Barnes Lake system by Golder Associates is underway; staff awaits the final report after the second round of water level collection in September.
 - Bathymetric assessments and water quality analysis have been completed.
- AA. Drainage Manual Revisions / Status: Active
- The drainage manual is in the final stage of review.

II. SIGNIFICANT ACTIVITIES

- A. Consumer Confidence Report, 2007
 - The annual report has been completed and distributed. A copy is available on the city's website.

- B. Water Quality
 - Perchlorate Study.
 - Results of the Phase II study to assess the effects of perchlorate on shallow groundwater at Tumwater Valley have been received. 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 will continue monitoring the issue.
 - The next monitoring round is scheduled for 2010.

- C. Water Rights Acquisitions
 - Lakeland Manor
 - Agreement for acquisition has been completed.
 - Staff will finalize with Lakeland Manor Homeowners Association and begin transitioning customers to the city's system.

- D. Budd Inlet Restoration Partnership
 - Staff is working with the regional partners to develop an action plan to guide restoration activities.

- E. FOG (Fats / Oils / 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.
 - Updated Stream Team informational display.
 - Initiated pet waste education program in Tumwater. Twelve pet waste sign/bag dispensers being installed in city neighborhoods. Pet waste education brochures distributed in those neighborhoods.
 - Staffed booth at "Bike Your Watershed: The Deschutes" event on July 27th at Historical Park.
 - Benthic macroinvertebrate (biological) monitoring completed for Percival Creek and Deschutes River sites.
 - Partnered with USDA, NRCS, WSDOT, TESC and the Pettit family to harvest plant materials.
 - Staffed geology tour to Deschutes River, Glacier Heritage and Mima Mound sites on August 29th.
 - Organized and staffed volunteer recognition event at Tumwater

- Historical Park on September 14th.
 - Assisted with regional Salmon Steward training program and administered docent program for Tumwater.
 - Deschutes River Habitat Enhancement:
 - Worked with volunteers to plan maintenance for Site 130.
 - Percival Creek Habitat Enhancement:
 - Worked with Site Steward Steve Parks to coordinate volunteer work at site downstream of Sapp Road.
 - Phase 3 Himalaya blackberry removal project continued. Landscape fabric, staples and wood chips installed. Reed canary grass removal project continued.
 - Planting plan being developed for November revegetation project.
 - Summer “weed and feed” event held July 22nd.
 - Partnered with Parks & Recreation to bring Old Town Center youth out to Percival Creek for educational work parties.
 - Tumwater Falls Harvest Fest: Organized educational booth activities for the event.
 - Thurston Conservation District/South Sound GREEN
 - Attended quarterly meeting and coordinated Tumwater projects and funding for South Sound GREEN.
 - Participated in field tour of water quality/habitat protection projects.
 - Friends of the Deschutes Watershed Center (President):
 - Acted as liaison for Watershed Center to city staff.
 - Participated in Eco-charette to design proposed education center.
 - Helped organize salmon dinner for Harvest Fest.
 - Natural Resources Youth Camp Board (Vice-Chair)
 - Reviewed curriculum for aquatics.
 - Recruited staff for camp.
 - Northwest Aquatic & Marine Educators (NAME) (Regional President): Attended annual conference in Friday Harbor.
 - 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). Visited and ranked regional proposed salmon habitat enhancement projects for SRFB funding.
 - Served on TME3 (Thurston-Mason Education, Environment & Economy) committee. Final draft of TME3 plan ready.
- G. 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).

H. Stormwater Management

- The regional stormwater management team revised the interlocal cooperation agreement, extending the regional program to 2010.
- The City of Tumwater is an NPDES Phase II permittee. Staff completed the first annual report and submitted it to Ecology in March.
 - 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 of NPDES is underway.
- 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. The regional work group convened in March and meets monthly. To date in 2008 there have been 3 human cases in King and Pierce counties, although officials believe it was contracted in Eastern Washington. Over 36 horse cases have been reported, all in Eastern Washington. One bird in Thurston County has tested positive.
- Staff continues to develop and implement an on-going inspection program for private stormwater facilities.

I. Utility Shut-Off Notices

- 342 notices were delivered in July, with 38 actual disconnects.
- 376 notices were delivered in August, with 49 actual disconnects.
- 354 notices were delivered in September, with 64 actual disconnects.

J. New Utility Service Installations

- Operations staff installed 47 water meters for new construction and received 54 requests for new water services in the 3rd quarter.
- There were 50 new requests for sewer connections from Development Services in the 3rd quarter.

K. Other Maintenance Activities

- 331 "One Call" utility locates were requested in the 3rd quarter of 2008.
- 82 citizen action requests were completed in July, 57 in August, and 64 in September.
- Upgraded the Capitol/Custer traffic signal to video detection.

L. Survey, Mapping & GIS

- Update of city street map is in progress (98% complete).
- Collection of as-built data for input into ESRI GIS/GBA is on-going.
- Collection of data for street signs, traffic signal poles and street lights in progress (65% complete)
- Development of street segment map for GIS/GBA import is 85% complete.

M. Education / Training / Workshops

- Thirteen members of the Operations Division staff attended flagger training to renew their flagger certification on July 2nd.
- Water Resources Educator Debbie Smith attended the Northwest Aquatic & Marine Educators annual conference July 9-12.
- Mapping/Survey Manager Frank Jackson and Operations Manager Steve Craig attended a one-day GBAMS Northwest User Group meeting on July 24th.
- Engineer III Nhan Vo and Engineering Technician III David Mills attended a one-day course by WSDOT's Highways and Local Programs entitled "Designing Pedestrian Facilities for Accessibility" on August 5th.
- Nineteen Operations staff members were trained and certified for confined space entry on August 14th.
- Street maintenance staff attended a one-day course on tree pruning techniques.
- Skilled Maintenance Workers Ernie Zabala and Steve Whalen attended the four-day IMSA (International Municipal Signal Association) conference

N. Personnel

- Mark Teigen began work for the city on July 1st as a Maintenance Worker in the Operations Division.

/smt

L:\Quarterly Reports\2008\Q3 2008