



October 13, 2005

TO: Doug Baker, City Administrator  
FOR: City Council  
FROM: Public Works Department  
RE: **PUBLIC WORKS DEPARTMENT REPORT -- 3<sup>rd</sup> QUARTER, 2005  
JULY, AUGUST & SEPTEMBER**

I. MAJOR PROJECTS

**Transportation**

- A. SWIBS Bridge Inspection & Repair (0X346) / Status: Complete
- Staff will seek Council acceptance of the project in October.
- B. Tumwater Boulevard (formerly Airdustrial Way) Widening – Capitol Boulevard to I-5 (0X378) / Status: Active
- The Port of Olympia is awaiting a partial release of lease from Shell Oil Company and the Olympic Pipeline so they can execute the dedication deed.
  - Staff is using this time to further fine tune the contract provisions and will request authority to solicit bids as soon as the dedication is completed.
  - The legal department is reviewing a Puget Sound Energy (PSE) assertion that the city is liable for 100% of the cost to relocate power facilities that are in conflict with the proposed improvements.
- C. Littlerock Road – Trospen to South City Limits (0X377) / Status: Active
- Right-of-way acquisition documents (legal descriptions and deeds) and mapping exhibits are being modified to reflect final design. Skillings-Connolly is negotiating the purchases as the documents are made available.
  - Parametrix is moving ahead with the construction documents.
  - Staff is coordinating design and right-of-way with PSE/Potelco for converting the overhead utilities.
- D. Trospen Road Widening @ Skipper Lane (0X387) / Status: Inactive
- Staff plans to procure this right-of-way concurrent with the Littlerock Road right-of-way work, and add the Trospen Road widening work to the Littlerock Road project.

- E. Old Highway 99 & Henderson Signal (0X389) / Status: Active
  - Signal equipment has been received at the DOT Lab for testing and the contractor is set to begin work in October. Work is expected to be completed in December.
  
- F. Henderson Boulevard Railroad Crossing (0X394) / Status: Active
  - The Union Pacific Railroad (UPRR) submitted a new project cost estimate and staff has requested clarifications.
  - When the estimate is perfected, UPRR will provide a project agreement, which staff will bring forward for Council approval.
  
- G. 2005 Sidewalk Improvements (0X201); Sidewalk Infill (0X202) / Status: Inactive
  
- H. 2005 Pavement Markings (05204) / Status: Complete
  
- I. North Street Reconstruction (0X398) / Status: Active
  - The North Street Reconstruction project includes replacing the water main, making sewer repairs, replacing the roadway and installing lighting, sidewalks and planter strips where possible from Cleveland Avenue to Pifer Road.
  - Staff is preparing plans, specifications and estimates.
  
- J. Custer Way Strategy Plan (0X375) / Status: Active
  - Several alternatives have been developed and analyzed. The alternatives and public review will be incorporated into the city's Transportation Plan.
  
- K. Capitol Boulevard Bike, Pedestrian & Streetscape Plan (0X376) and Local Access Plans (0X374) / Status: Active
  - A draft plan was presented to the project task force. The plan identifies preferred alternatives and recommends a design matrix to proceed with implementation. Meetings have been held with local property owners to discuss local access options. The final report is being completed and will be incorporated in the city Transportation Plan.
  
- L. Transportation Plan Review (0X351) / Status: Active
  - Parametrix has been selected to complete the Transportation Plan. Traffic counts have been collected and modeling is being conducted.
  - We are waiting for revised projections from TRPC.
  
- 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 the 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.
- O. Barnes Lake Management District (LMD) (10095) / Status: Active
- On August 2<sup>nd</sup> the City Council confirmed the participants selected for the steering committee.
  - Staff has convened two meetings of the steering committee and is working with the group to develop an annual work plan.

### **Water**

- P. Telemetry System Upgrade (07393) / Status: Active
- A proposal for communication services and equipment specifications has been received.
  - Staff expects to seek authority to solicit bids in November.
- Q. 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.
  - One application has been submitted to the Department of Ecology to transfer existing city water rights to the site.
  - A water right conveyance agreement has been signed, which establishes a process for conveyance of rights from a farm near the city's southwest wellfield to the city. An application for transfer of the rights is being prepared.
  - Pacific Groundwater Group has completed a groundwater study to support transfers of water rights. The study will be submitted, along with other information, to the Department of Ecology.
- R. North/South Transmission Main I-5 Crossing (07388) / Status: Complete
- Construction began in early April. The Littlerock Road portion is complete and in operation.
  - The 24" transmission main is now complete from Tumwater Hill to the Pedestrian Overpass over Interstate 5.
- S. Custer Way Water Improvements (07396) / Status: Active
- Bids were rejected on the combined Custer Way utility and sewer rehab projects.
  - Staff will request authority to solicit bids for the Custer Way water and sewer work as one project for an early 2006 start.

- T. Wellhead Protection Program (02104) / Status: Active
- Wellhead protection monitoring program agreement with Thurston County is being discussed with county staff.
  - Staff has scheduled 20 sites for inspection with county staff in October.
- U. Reservoir Mixing Improvements (07398, 07399 & 073400) / Status: Active
- The design to create internal mixing improvements in the Tumwater Hill water reservoirs is complete and will be advertised for bid in October.
- V. 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.
  - Water conservation brochures were mailed to all our water customers and a conservation message was inserted in the utility billings.
  - Drought indicators earlier this year suggested the potential as "slight." Staff enacted the Water Shortage Response Plan calling for community outreach advising voluntary conservation measures. Citizens responded positively to the request, helping the utility conserve throughout the summer months.
  - Staff is pursuing an in-classroom conservation pilot program for students at Peter G. Schmidt and Michael T. Simmons Elementaries to be implemented during the 2005-2006 school year.
  - Four irrigation audits have been completed this season. A rebate has been awarded to the city for implementing recommendations of the plan.
  - 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**

- W. Southern Connection – Local Piping (08328) / Status: Active
- Design for the first phase (Custer Way improvements) is complete.
  - Staff will request authority to solicit bids for the Custer Way water and sewer work as one project for an early 2006 start.
- X. Sanitary Sewer Comprehensive Plan Review/Update (08331) / Status: Active
- Statements of qualifications have been received. Selection of a consultant will be made in November.
- Y. 2005 Annual Sewer Rehabilitation Program (08336) / Status: Active
- All bids were rejected for the combined Custer Way utilities and 2005 sewer rehabilitation project.
  - Staff will repackage the sewer rehab project and solicit bids during the winter for 2006 construction.

- Z. Littlerock – Israel to Glenwood & Israel to Black Hill High School (08334) / Status: Active
- Design options were evaluated for compatibility with the Littlerock Road project. The sewer will be designed to extend down Bishop Street, then south to the city limits.
  - Staff is working on the scope of work with Parametrix, Inc. to have the design done with the completion of the Littlerock Road construction plans.
- AA. LOTT-Funded Water Conservation Projects (30097) / Status: Active
- The “Wash Wise” washing machine replacement program has reached new heights in 2005. Year-to-date 99 \$100 rebates have been given out to Tumwater residents, as compared to 94 rebates in all of 2004.
  - The Water Smart Technology program continues. Staff is preparing revisions to the program to encourage more participation from local businesses.
  - Staff has finalized an agreement to work with Puget Sound Energy to develop a restaurant facility “spray head” program to replace all spray heads used in washing dishes free of charge. Through the end of September, the program has replaced 64 spray heads and 46 aerators at Tumwater businesses to save an estimated 6,126,000 gallons per year.
  - Staff is working to update LOTT’s water conservation plan to aid in the reduction of wastewater flows and improve indoor water conservation opportunities.

### **Storm**

- BB. Salmon Creek Basin (09322) / Status: Active
- Site development standards for the Salmon Creek Basin and other high groundwater areas were approved following a public hearing on October 4<sup>th</sup>.
- CC. Capitol Boulevard Repair @ Linda Street (09332) / Status: Complete
- Work was completed by Pilchuck, Inc. as an emergency repair.
- DD. Storm Grate Replacement (09330) / Status: Complete
- Ninety-seven new, special order, “bicycle friendly” replacement storm drain grates were replaced by O&M staff during June. Additional grates will be replaced as the need occurs and funding and staff resources allow.
- EE. Drainage Manual Revisions (04315) / Status: Active
- Educational materials are being developed for the public hearing process.
  - SEPA and CTED review is underway.

- FF. Deschutes/Percival Habitat & Public Education Grant / Status: Active  
Includes: Deschutes River Site 130 (09325); Watershed Signing (09326);  
and Deschutes Planting, Phase III (09327)
- Webfoot Construction completed construction of the Site 130 bank stabilization project. Staff is preparing documents to finalize the contract and seek Council acceptance.
  - The final stage of planting for the Site 130 revegetation is planned for November 5<sup>th</sup>.
  - Stream Team volunteers removed tansy ragwort and Himalayan blackberry from Site 40.
  - Pacific Willow and red-osier dogwood stakes collected from Del and Verna Pettit's property along the Deschutes and planted at the Tumwater Valley golf course through The Evergreen State College's "Community-to-Community" program. Partnered with WSDOT and USDA Natural Resources Conservation Service.
- GG. Percival Creek Habitat Restoration (04318) / Status: Active
- Stream Team volunteers maintained the project along the creek by weeding throughout the summer.

## II. SIGNIFICANT ACTIVITIES

- A. Consumer Confidence Report, 2004 -- Complete
- A second mailing was conducted in September targeting all apartment residences to reach the maximum audience.
- B. Cross Connection Control
- The cross connection control brochure is in final draft format and ready to publish.
  - 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
- A meeting was held, including staff, Ecology and Pacific Groundwater Group, to discuss proposed transfers of water rights to the city's new southwest wellfield. Additional information is being prepared for submittal as follow-up to the meeting.
- 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 are being prepared to introduce the public to this new water resource.

- E. Well Drilling Ordinance
  - Staff presented a draft ordinance to the Public Works Committee for initial discussion relating to the prohibition of drilling new wells.
  
- F. FOG (Fats / Oil / Grease)
  - Staff began inspection and technical assistance efforts in the community.
  - A new FOG management manual and compliance checklist has been developed to assist FOG program implementation.
  
- G. Stream Team
  - Partnered with Lacey, Olympia, and Thurston County to provide regional Stream Team programs including
    - Storm pond workshop held September 24<sup>th</sup> at Tumwater City Hall.
    - Planned Tumwater Stream Team public outreach activities for Tumwater Falls Harvest Fest.
    - Planned "Haunted Hike" community outreach event.
    - Fall quarter newsletter written, edited and distributed.
  - Led South Sound GREEN as Technical Advisory Committee Chair:
    - Summer quarterly meeting held at Tumwater City Hall on July 14<sup>th</sup>.
    - Added two new South Sound GREEN teachers from Peter G. Schmidt and East Olympia Elementary schools
    - Taught salmon/water quality class at Peter G. Schmidt on September 27<sup>th</sup>.
  - Led Friends of the Deschutes Watershed Center as president.
    - Developed funding outreach strategy.
    - Worked on Salmon Days committee to plan booths for Tumwater Falls Harvest Fest.
  - Served on Natural Resources Youth Camp board.
  - Microinvertebrate Monitoring:
    - Percival Creek monitored for biological health on August 6<sup>th</sup>.
    - Deschutes River monitored at Pioneer Park on August 20<sup>th</sup>.
  - Storm Drain Marker program:
    - Storm drains surrounding City Hall marked in pilot program.
    - Storm drains in Streamland Estates marked with the assistance of Tumwater's Old Towne Center Youth Program.
  - Attended the Northwest Aquatic & Marine Educators (NAME) conference, July 19-23 in Bamfield on Vancouver Island. Re-elected Director of Washington NAME.
  - Planned memorial tree planting at Tumwater Falls Park for Virgil Drewry. Mr. Drewry allowed Stream Team volunteers to harvest plant materials on his property to be used in Tumwater restoration projects.
  - Provided technical support to WRIA 13 advisory group.
  
- H. Watershed Planning
  - A report on Ecology's Deschutes TMDL (Total Maximum Daily Loading) process will be available in Spring 2006.

- I. Water Quality
  - Staff developed a car wash kit program similar to Olympia's "Clean Cars, Clean Streams," aimed at reducing pollutant loads in the city's storm system. Information about the program was distributed to owners of charity car wash locations and to community groups.
  - Local businesses continue to be evaluated for appropriate on-site treatment options and participation in the program.
  - As part of the city's compliance with the federal NPDES program and DOH requirements, staff developed a website for public access to water resources information. The site can be reached through the city's web page.
  
- J. Fish Rearing Facility
  - Washington Fish & Wildlife (WDFW) continues with planning and design.
  - "Friends of the Deschutes Watershed", a 501(c)(3) corporation, has been formed 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 has been meeting regularly. In 2005 the regional group and DOH continue to monitor the area in a similar fashion to the 2004 program. To date there have been 53 dead birds reported in Thurston County, of which 33 were tested for WNV. All results have been negative. 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.
  - Staff continues to develop and implement an on-going inspection program for private stormwater facilities.
  
- L. Utility Shut-Off Notices
  - 329 notices were delivered in July, with 36 actual disconnects.
  - 231 notices were delivered in August, with 36 actual disconnects.
  - 235 notices were delivered in September, with 36 actual disconnects.
  
- M. New Utility Service Installations
  - Per Development Services' request 58 new water services and 20 sanitary sewer connections were installed in the 3<sup>rd</sup> quarter of 2005.
  
- N. Other Maintenance Activities
  - 417 "One Call" utility locates were requested in the 3<sup>rd</sup> quarter of 2005.
  - 84 citizen action requests were completed in July, 89 in August, and 83 in September.

- 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. Hyperlinks are created in PDF format MAP to reference as-builts as they are updated.
  - 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.
  - 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
- Water Resources Specialist Dan Smith attended a University of Washington sponsored, two-day "Construction Site Erosion and Pollution Control" class for certification as a Sediment & Erosion Control Lead in July.
- Q. Personnel
- Maintenance Worker Rod Warren was promoted to Water Section Lead effective August 1<sup>st</sup>.
  - Skilled Maintenance Worker Josh Simmons left the Operations Division to become a Tumwater Police Officer effective August 22<sup>nd</sup>.
  - Maintenance Workers Forrest Bailey, Steve Whalen and Neil Isaacson have been promoted to Skilled Worker effective October 1, 2005.

/smt