



July 14, 2005

TO: Doug Baker, City Administrator
FOR: City Council
FROM: Public Works Department
RE: **PUBLIC WORKS DEPARTMENT REPORT -- 2nd QUARTER, 2005
APRIL, MAY & JUNE**

I. MAJOR PROJECTS

Transportation

- A. SWIBS Bridge Inspection & Repair (0X346) / Status: Complete
- Work is physically complete and staff will begin project closeout.
 - Additional damage that would likely have shown up in future SWIBS inspections was found and repaired under this contract.
- B. Tumwater Boulevard (formerly Airdustrial Way) Widening – Capitol Boulevard to I-5 (0X378) / Status: Active
- Right-of-way legals and exhibits completed; execution of final documents in progress. Pursuant to release of interest by the Port's leaseholders, the project will be ready to advertise for bids.
 - Staff and the consultant are crafting special contract provisions to encourage certain work in the winter, yet limit disturbance of the roadway. Staff is also exploring ways of making the time for completion clause more flexible to promote more competitive bid prices.
- C. Littlerock Road – Trosper 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.
- D. Trosper 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 Trosper Road widening work to the Littlerock Road project.

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- E. Old Highway 99 & Henderson Signal (0X389) / Status: Active
 - TransTech Electric of Kent, Washington was awarded a contract in May in the amount of \$299,489.95.
 - Actual work on-site will begin once the equipment is shipped. While it takes months to get some of the specialty equipment delivered, actual work at the site should take less than eight weeks.
- F. Henderson Boulevard Railroad Crossing (0X394) / Status: Active
 - The city is awaiting documents from Union Pacific Railroad (which are overdue).
- G. 2005 Sidewalk Improvements (0X201); Sidewalk Infill (0X202) / Status: Inactive
- H. 2005 Pavement Markings (05204) / Status: Active
 - Originally anticipated for May, thermoplastic symbol, crosswalk and button work was postponed until late July due to wet weather conditions.
 - Paint has been ordered and shipped to Thurston County Public Works so they can stripe our streets again this year. Due to weather conditions, work planned for June was rescheduled to July 16th & 23rd.
- I. 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 Transportation Plan.
- J. 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.
- K. 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.
- L. Tumwater Trails Plan (0X391) / Status: Active
 - Public Works staff stands ready to assist Parks & Recreation in further development of the plan.

General Government

- M. 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.

- N. Barnes Lake Management District (LMD) (10095) / Status: Active
- On April 19th, the City Council approved the roll of rates and charges.
 - An invitation to submit letters of interest in participating on the LMD steering committee was mailed to all property owners within the LMD. Mayor Osgood is reviewing and evaluating the responses and will appoint the steering committee members.

Water

- O. Telemetry System Upgrade (07393) / Status: Active
- A proposal for communication services and equipment specifications was received. Due to the estimated cost and bidding laws, this project will need to move forward as an RFP/RFQ or competitive bid.
- 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.
 - One application has been submitted to the Department of Ecology to transfer existing water rights to the site. Other options for transfers are being explored.
 - A professional services agreement with Pacific Groundwater Group has been signed and work has started on a groundwater study to support transfers of water rights.
- Q. 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.
- R. Custer Way Water Improvements (07396) / Status: Active
- Design is complete.
 - This project has been combined with the 2005 Sewer Rehab project and the Southern Connection local piping and is out to bid with a July 27th bid opening.
 - Operations assisted in verifying existing connections and possible improvements.
- S. Wellhead Protection Program (02104) / Status: Active
- Staff is preparing for a new round of public outreach efforts through local wellhead protection area site inspections with county staff later this year.
- 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.

- Water conservation brochures were mailed to all our water customers and a conservation message was inserted in the utility billings.
- Staff continues to review the potential for drought-related water shortages this summer. Indicators currently suggest the potential as “slight.” The advisory stage of the Water Shortage Response Plan has been enacted calling for community outreach advising voluntary conservation measures as requested normally during summer months. Staff will continue to monitor indicators to determine future courses of action.
- Staff is coordinating with the local jurisdictions and working with media outlets (TCTV, Green Pages, The Olympian) to present conservation education with a unified, consistent message in a timely fashion. Radio public service announcements have been provided to all local radio stations for play from July thru October.
- Staff is pursuing an in-classroom conservation pilot program for students at Peter G. Schmidt Elementary to be implemented later this year.
- Additional irrigation audits and rebates for irrigation improvements are being considered for next year.

Sewer

- U. Southern Connection – Local Piping (08328) / Status: Active
 - Design for the first phase (Custer Way improvements) is complete.
 - This work has been combined with the 2005 Sewer Rehab and Custer Way Water Improvements and is currently out to bid with a July 27th bid date.
- V. Sanitary Sewer Comprehensive Plan Review/Update (08331) / Status: Inactive
- W. 2005 Annual Sewer Rehabilitation Program (08336) / Status: Active
 - Upon staffs’ recommendation, on June 21st Council rejected bids from an earlier solicitation. Only two bids – both in excess of the budgeted funds – were received.
 - Staff has reworked the construction documents and will combine the sewer rehab project with the Custer Way Water Improvement project (see R. above), and the Southern Connection – Local Piping work (U. above) in Custer Way.
 - The larger contract amount should stimulate more interest and competitive bidding.
- X. Littlerock – Israel to Glenwood & Israel to Black Hill High School (08334) / Status: Active
 - Design options are being evaluated for compatibility with the Littlerock Road project.

- Y. LOTT-Funded Water Conservation Projects (30097) / Status: Active
- The “Wash Wise” washing machine replacement program has reached new heights in 2005. Year-to-date 74 \$100 rebates have been given out to Tumwater residents, as compared to 46 rebates in all of 2004.
 - The Water Smart Technology program continues. Staff continues to seek participants to voluntarily conserve water.
 - Staff is considering options for an “aggressive conservation” program that would potentially engage more commercial parties in conservation projects.
 - 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 May, the program has replaced 21 spray heads and 24 aerators at Tumwater businesses to save an estimated 2,230,000 gallons per year.

Storm

- Z. Salmon Creek Basin (09322) / Status: Active
- Design standards for the Salmon Creek Basin and other high groundwater areas are in the process of SEPA and CTED review. Following the review periods, the standards will be scheduled for a public hearing.
- AA. Capitol Boulevard Repair @ Linda Street (09332) / Status: Active
- Staff is negotiating with Pilchuck, Inc. to get the repairs made.
- BB. 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.
- CC. Drainage Manual Revisions (04315) / Status: Active
- Staff briefed the Public Works Committee on proposed changes to the regional Drainage Design Manual. A follow-up field trip and information was provided to the committee in response to their questions.
 - Educational materials are being developed for the public hearing process.
 - SEPA and CTED review is underway.
- DD. Deschutes/Percival Habitat & Public Education Grant / Status: Active
Includes: Deschutes River Site 130 (09325); Watershed Signing (09326); and Deschutes Planting, Phase III (09327)
- Due to permitting delays, the city received an extension of the grant to complete the Site 130 work during the summer of 2005. Webfoot Construction was selected and is preparing to begin work.
 - Locations for watershed sign placements have been determined at Tumwater Historical Park. The Operations & Maintenance Division is

in the final stage of placing the signs.

- Trout Unlimited's Fly Fishing Academy campers weeded plantings at the golf course on June 23rd.

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

- Stream Team volunteers weeded and mulched plantings on April 2nd and June 4th in partnership with the Olympia Chapter of the Mountaineers. "Join Hands Day" maintenance event held May 7th in partnership with the Volunteer Center. Old Town Center students weeded on April 21st and May 5th. Earth Day maintenance event held on April 21st with Tumwater Middle School.
- Temperature recording devices installed in Percival Creek at Sapp Road and Chapparel Drive. Stream temperatures will be automatically monitored.
- Worked with Department of Ecology Washington Conservation Corps on monitoring plan.

II. SIGNIFICANT ACTIVITIES

A. Consumer Confidence Report, 2004

- Staff worked with Wright Communications to complete the 2004 report on the city's water quality. The report, with a new format, was printed and distributed within the required regulatory time frame in June.

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

- An application for new water rights was submitted to Ecology for the city's Southwest Wellfield.
- Applications for change were submitted for Trails End and Well 13 water rights.

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. 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 ease FOG program implementation.

F. Stream Team

- Partnered with Lacey, Olympia, and Thurston County to provide regional Stream Team programs including
 - Development of a new storm drain marker program.
 - Storm pond workshop held April 30th at Tumwater City Hall.
 - Lawn Workshop held on April 5th at Lacey Community Center.
 - Noxious weed workshop held April 16th at Priest Point Park.
 - Spring outreach event held on April 23rd at Sylvester Park.
 - “King of Fish” presentation videotaped and aired on TCTV.
 - Summer quarter newsletter written, edited and distributed.
- Led South Sound GREEN as Technical Advisory Committee Chair:
 - Student Congress 2005 debriefing/ planning for 2006.
 - Presentation to Thurston Conservation District on April 26th.
 - Completed lake water quality monitoring training on May 17th. Explored possibility of adding Trosper and Barnes Lakes to monitoring program.
- Led Friends of the Deschutes Watershed Center as president.
 - Developed funding strategy.
 - Worked on Salmon Days committee to plan fall event.
- Served on Natural Resources Youth Camp board.
 - Led water teaching team at camp June 27-29.

G. Watershed Planning

- A report on Ecology’s Deschutes TMDL (Total Maximum Daily Loading) process will be available in Spring 2006.

H. 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.

I. 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.

- J. Stormwater Facility Outreach
- The regional West Nile Virus (WNV) outreach committee has been meeting monthly. In 2005 the regional group and DOH continues to monitor the area in a similar fashion to the 2004 program. To date there have been 34 dead birds reported, of which 21 were tested for WNV. All results have been negative. There has been one human case in Spokane, but results verification is pending; there have been no horse cases reported in Washington State. Staff is working with county health officials to determine appropriate monitoring locations as the virus potentially moves into Washington this year.
 - Staff continues to develop and implement an on-going inspection program for private stormwater facilities.
- K. Utility Shut-Off Notices
- 264 notices were delivered in April, with 42 actual disconnects.
 - 205 notices were delivered in May, with 22 actual disconnects.
 - 253 notices were delivered in June, with 38 actual disconnects.
- L. New Utility Service Installations
- Per Development Services' request 76 new water services and 32 sanitary sewer connections were installed in the 2nd quarter of 2005.
- M. Other Maintenance Activities
- 432 "One Call" utility locates were requested in the 2nd quarter of 2005.
 - 71 citizen action requests were completed in April, 63 in May, and 89 in June.
- N. 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.
- O. Education / Training / Workshops
- Superintendent Dave Barclift, Design/Construction Manager Jim Shoopman, City Surveyor Frank Jackson and Administrative Assistant Susan Tuggle attended the WCIA class "Minimizing the Impact of

Negative Influences in the Workplace” on April 4th.

- Water Resources Specialist Dan Smith attended the 5th Washington Hydrogeology Symposium in Tacoma from April 12th to the 14th.

P. Personnel

- O&M Water Division Lead Steve Craig was promoted to the position of Utility Operations Supervisor effective May 1st.
- Three new Maintenance Workers joined the O&M Division in May – Pat Thompson, May 10th; Dan Dafoe, May 16th; and Mike Schultz on May 23rd.

/smt

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