



October 12, 2006

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT -- 3rd QUARTER, 2006
JULY, AUGUST & SEPTEMBER**

I. MAJOR PROJECTS

Transportation

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (0X378) / Status: Active
- The underground work, except for irrigation and some illumination conduit, is nearly complete.
 - Curb and gutter is scheduled for installation between I-5 and New Market during the week of October 16th. Paving of that area will follow soon thereafter. Curbing and paving will continue east towards Capitol Boulevard.
 - At present, the project is slightly behind schedule. Crews have been working 10-hour days and Saturdays to get back on track.
- B. Littlerock Road – Trospen to South City Limits (0X377) / Status: Active
- Right-of-way acquisition has been completed on 46 of the 83 properties.
 - The City Attorney is preparing to file a petition of public use and necessity with the court on 7 or 8 properties.
 - Construction plans are about 85% complete.
- C. Trospen Road Widening @ Skipper Lane (0X387) / Status: Active
- One of the two pieces of required right-of-way has been acquired.
 - The Trospen Road work will be added to the Littlerock Road project.
- D. North Street Reconstruction (0X398) / Status: Active
- One piece of right-of-way remains to be acquired for the road work; however, additional right-of-way will be needed to accommodate the underground conversion of the overhead utilities.
 - PSE has been given Notice to Proceed for design of the power conversion. Other utilities will “piggyback” on PSE’s design.
 - Construction is now planned for 2007.

- E. Old Highway 99 & Henderson Signal (0X389) / Status: Complete
- F. Tumwater Town Center Connector (0X396) / Status: Active
 - Alternatives were presented at the Council work session in March.
 - Preferred design alternatives are being prepared.
 - Additional survey data is being collected.
- G. Tumwater Boulevard/I-5 Interchange (0X393) / Status: Active
 - The project charter between WSDOT, FHWA and the City has been prepared.
 - Survey work has been completed.
 - Working with TRPC to project 2030 trip volumes.
- H. Deschutes Way Bike/Pedestrian Improvements (0X399) / Status: Active
 - Some preliminary design has been done.
 - This project will require a significant amount of environmental documentation and review.
- I. Henderson Boulevard Railroad Crossing (0X394) / Status: Active
 - All agreements are executed and additional federal funding was approved.
 - Union Pacific Railroad has been given their notice to proceed. Staff awaits a schedule from the railroad.
- J. 2006 Sidewalk Improvements (0X201); Sidewalk Infill (0X202) / Status: Active
 - Tye Concrete, Inc. has been hired to install the ramps for the new pedestrian crossings across Israel Road near the Library, and across Capitol Boulevard near Happy Teriyaki and the Capitol 5000 Building.
 - Operations Division staff have begun concrete removal and grade preparation for the installation.
- K. 2006 Pavement Markings (05204) / Status: Complete
- L. Transportation Plan Review (0X351) / Status: Active
 - Staff has reviewed the plan and provided comments. Draft plan is being revised accordingly.
- 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
 - 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

- O. 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.

- P. Southwest Well Development (07392) / Status: Active
 - Staff is pursuing water rights.
 - Service to one local property has been completed under the exempt well provisions.

- Q. Custer Way Water Improvements (07396) / 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.

- R. Wellhead Protection Program (02104) / Status: Active
 - Staff is evaluating options for developing a network of monitoring locations in the southwest well field wellhead protection area. To date, one well has been secured.
 - Staff is exploring options for three monitoring wells that are in need of rehabilitation.
 - HazoHouse and the Waste Mobile arrived in Tumwater September 23rd and 24th, removing over 30 tons of hazardous materials from residences and small businesses in Tumwater and the local area.
 - Staff will coordinate with Thurston County Environmental Health staff to initiate the next round of wellhead protection area inspections.

- S. Reservoir Mixing Improvements (07398, 07399 & 073400) / Status: Complete

- 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.
 - The commercial irrigation program continues with the goal of reaching five of the largest irrigators. To date this year, 5 irrigators have received audits and are awaiting final reports to consider recommendations for reductions next year.
 - Staff is reviewing innovative options for conservation measures for the institutional, commercial and industrial sectors.
 - Educational materials for broadcast on TCTV next spring have been received.

Sewer

- U. Southern Connection – Local Piping (08328) / Status: Active
 - Work continues on construction plans for the Custer Way area sewer project, which includes redirecting flow from the Metalcraft lift station and siphon; the addition three small pump stations at Metalcraft, the Schmidt House, and Historical Park; Routing the new force main through the existing gravity sewer mains; and connecting to the interceptor in Deschutes Parkway.

- V. Sanitary Sewer Comprehensive Plan Update (08331) / Status: Inactive
 - Statements of qualifications have been received. Selection of a consultant will be made in 2007.

- W. 2006 Annual Sewer Rehabilitation Program (08336) / Status: Active
 - This project is all but complete. The contractor is holding up closing out the project even though money is still owed.
 - Staff expects to complete closeout of the project once the construction season slows down a little.

- X. Littlerock Road Interceptor (08334) / Status: Active
 - Approximately 2,200 feet of this 6,000 foot interceptor project is built.
 - Construction staking is being done by one member of the city's survey crew using the new robotic total survey station.
 - The first 1/3 of paving from Tye Drive down Bishop Road to Littlerock Road, and down Littlerock to Odegard is expected to be repaved on October 20th.
 - Staff continues working with the contractor to improve traffic control and safety, particularly as the construction approaches Israel Road.
 - Progress fell behind expectations on Bishop Road, but is gaining momentum now. Work will continue for several months and will likely carry into spring of 2007.

- Y. LOTT-Funded Water Conservation Projects (30097) / Status: Active
 - The "Wash Wise" washing machine replacement program continues in 2006 complemented by rebates from Puget Sound Energy. Year to date, 70 \$100 rebates have been given out to Tumwater residents.
 - The Water Smart Technology program continues. Staff is preparing revisions to the program to encourage more participation from local businesses.
 - Staff is reviewing an additional collaborative opportunity with PSE for resource-efficient technologies within restaurants, including boiler steamers are estimated to reduce water us by approximately 75%.
 - Staff is working to update LOTT's water conservation plan to aid in the reduction of wastewater flows and improve indoor water conservation opportunities. A revised plan is expected to be completed in October 2006.

- Council approved the renewal of the interlocal cooperation agreement between LOTT and the local jurisdictions to continue cooperative efforts for a regional approach to water conservation.

Storm

- Z. Salmon Creek Basin (09322) / Status: Active
- Staff has prepared revisions to the recently adopted high groundwater ordinance to facilitate third party review and/or analysis.
 - Pacific Groundwater Group was selected as the city's consultant for third party review of high groundwater related projects.
- AA. Barnes Lake Management District (LMD) (43000) / Status: Active
- The Barnes LMD steering committee continues to meet monthly focusing on development of an integrated aquatic vegetation management plan.
 - Initial vegetation surveys have been completed. A map delineating areas in the lake to be conserved for native vegetation has been developed. Water quality surveys by Thurston County are underway.
 - The NPDES permit required by Ecology for chemical treatment of lake vegetation has been secured. Staff is preparing a response to Ecology for comments received on the permit.
 - A request for proposals for treatment activities will be solicited at the beginning of 2007.
 - The Aquatic Vegetation Management Plan is being finalized and should be available for Council review in early 2007.
- BB. Drainage Manual Revisions (04315) / Status: Active
- SEPA has been approved.
 - Copies of the manual have been distributed to implementation staff for review and comment. Staff is coordinating with Lacey and Thurston County to adopt the manual with consistent revisions and in the same time frame (Target - December 2006).
 - The regional stormwater TAC is developing a training program for internal staff.
- CC. Deschutes/Percival Habitat & Public Education Grant / Status: Complete
Includes: Deschutes River Site 130 (09325); Watershed Signing (09326);
and Deschutes Planting, Phase III (09327)

I I. SIGNIFICANT ACTIVITIES

- A. Consumer Confidence Report, 2005
- The report is complete and has been distributed.

- 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 negotiate pending (changed and new) applications with Ecology.
 - Staff is pursuing leads on additional water rights for transfer to the Southwest Well Field.

- 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.

- E. FOG (Fats / Oil / 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:
 - Fall edition of the quarterly newsletter written, edited and distributed.
 - Planning for Haunted Hike public education event.
 - Salmon Stewards:
 - Assisted with classroom training program for Salmon Stewards.
 - Coordinated training at Tumwater Falls for field training program.
 - Coordinated and scheduled volunteers for Tumwater Falls.
 - Storm Drain Marker program:
 - Markers provided for new construction projects.
 - Drain marking events scheduled with Old Town Center youth program.
 - South Sound GREEN Technical Advisory Committee Chair.
 - Friends of the Deschutes Watershed Center President.
 - Led bi-monthly meetings.
 - Harvest Fest planning for salmon dinners & information booth.
 - Natural Resources Youth Camp Board Vice-Chair.
 - Attended 2006 camp debriefing meeting. Began planning 2007 camp.
 - Staff continues serving on interjurisdictional committees, including EETAC (Environmental Education Technical Advisory Committee) and providing technical support to WRIA 13 evaluating and ranking local salmon recovery projects for SRFB funding requests.
 - Northwest Aquatic & Marine Educators (NAME)
 - Attended annual conference to learn about current regional water

- education programs.
 - Elected president-elect for region (Alaska, British Columbia, Washington & Oregon).
 - Benthic Macroinvertebrate Monitoring
 - Monitoring completed for Deschutes River and Percival Creek. Samples sent to lab for analysis.
 - Tumwater Falls Harvest Fest
 - Planned activities and recruited volunteers for water and salmon education at festival. Partnered with FDWC to reduce costs (FIN).
- G. Watershed Planning
- A report on Ecology's Deschutes TMDL (Total Maximum Daily Loading) process is being reviewed by staff.
 - Thurston PUD provided a report to the city evaluating water resource needs in the area. Staff is reviewing the report and will provide comments as necessary.
- H. Water Quality
- All customers have received notification of permanent chlorination program.
 - Staff is negotiating a bilateral compliance agreement with Department of Health outlining requirements and timelines of the city's voluntary chlorination program.
 - Staff has reviewed an initial study to assess the effects of perchlorate on shallow groundwater. Further modeling is necessary to fully understand the effect of perchlorate on groundwater quality.
- I. Fish Rearing Facility
- Washington Fish & Wildlife (WDFW) continues with planning and design. The Legislature allocated \$180,000 funding through the State supplemental budget to continue the project.
- J. Stormwater Facility Outreach
- The regional West Nile Virus (WNV) outreach committee continues to monitor the area. To date there have been two human cases of WNV reported in Washington State. The active mosquito season for 2006 is ending. The WNV group will continue monitoring WNV activity in 2007 with additional funds from the state and CDC.
 - Staff continues to develop and implement an on-going inspection program for private stormwater facilities.
- K. Utility Shut-Off Notices
- 290 notices were delivered in July, with 44 actual disconnects.
 - 270 notices were delivered in August, with 29 actual disconnects.
 - 320 notices were delivered in September, with 39 actual disconnects.

- L. **New Utility Service Installations**
 - Per Development Services' request 57 new water services and 18 sanitary sewer connections were installed in the 3rd quarter of 2006.

- M. **Other Maintenance Activities**
 - 379 "One Call" utility locates were requested in the 3RD quarter of 2006.
 - 102 citizen action requests were completed in July, 69 in August, and 115 in September.

- 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, including utilities, are added to the drawing database as they are accepted and become available.
 - Parcel and address mapping updates to reflect development and parcel changes are completed as time allows (50% complete).
 - City-wide easements and right-of-way vacations are mapped as time allows (50% complete).
 - In-progress project drawings are now scanned and added to the server for accessibility by city staff.
 - 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.
 - A "project map" is being prepared showing Public Works' and Development Services' projects.

- O. **Education / Training / Workshops**
 - Utility Engineer Chad Talbot attended the Washington State Office of Drinking Water's 2006 Drinking Water Seminar in Tacoma on July 18th.

- P. **Personnel**
 - Engineer III Chad Talbot left the Engineering Division at the end of August to accept a position with the City of Portland.

/smt