



Public Works Board

News on Infrastructure

and

Technical Assistance

Innovative & Sustainable Infrastructure

Contact Information

Bruce Lund, Managing Director

Local Government Infrastructure Division

bruce.lund@commerce.wa.gov

360-725-3163

CITY OF GRANDVIEW'S PRUDENT PRACTICES

With reduced revenues, cities need to be creative to meet growing demands. The “Quad City Group”, which consists of the cities of Grandview, Sunnyside, Prosser and Mabton, has helped each other with compliance problems, safety training, employee training, vehicle maintenance, street maintenance, code enforcement and budgeting assistance. The group takes turns hosting the monthly meetings. The Mayors, City Administrators, Public Works Directors and Foreman attend these meetings and discuss upcoming projects, and how they can help each other.

Grandview has helped Mabton by:

- Completing their Water Use Efficiency Report, bringing them to compliance
- Correcting their cross-connection problems
- Assisting with their Wastewater Treatment Plant
- Grandview will continue to provide ongoing training to Mabton’s employees on an as-needed basis. Mabton and Prosser employees attend Grandview’s Safety Program, an excellent program with a record for a no time loss injury of 954-days. Grandview is working with the certification board to obtain approval of continuing education units for their safety program, which will help keep employees’ certifications current at an affordable price.

Grandview received the following two awards from the [Infrastructure Assistance Coordinating Council](#):

- 2010 2nd Annual People's Choice Award
- 2013 5th Annual Infrastructure Award

Sunnyside has helped Grandview with seal-coating their streets. Prosser has helped Mabton with code enforcement and sewer jetting/rodding. In addition, the Quad City Group shares inventory information, which comes in handy during an emergency since they have contact phone numbers and people to call on for help.

TRANSPORTATION IMPROVEMENT BOARD SKAGIT COUNTY ANDERSON/LAVENTURE

Skagit County LaVenture was a new street that, among other things, restored salmon access to a long block creek. The project had to stop while salmon spawned in the construction site for the first time in two decades.



[http://www.tib.wa.gov/projects/FeaturedProjectDetail.cfm?npid=9-W-029\(002\)-1](http://www.tib.wa.gov/projects/FeaturedProjectDetail.cfm?npid=9-W-029(002)-1)

TRANSPORTATION IMPROVEMENT BOARD CITY OF BAINBRIDGE ISLAND'S WINSLOW WAY

Bainbridge Winslow is a nationally award winning project that's been written up in magazines for its innovative drainage and pedestrian/bike features. It was the first major showcase of TIB's sustainable design criteria when they funded it in their 2010 program.



<http://www.tib.wa.gov/projects/FeaturedProjectDetail.cfm?npid=9-W-830%28002%29-1>

PUBLIC WORKS BOARD - ENERGY/WATER EFFICIENCY

KING COUNTY'S SOUTH PLANT AGITATION BLOWER

King County's Wastewater Treatment Division will replace three centrifugal constant-speed secondary agitation air blowers at its South Treatment Plant with two variable speed turbo blowers (Neuros NX200). Electricity use is South Plant's second largest expense, and installation of energy efficient agitation air blowers will reduce electricity use and lower the Plant's electricity bill. These two future energy efficient, high-speed units will contain air foil bearings, will have much cooler operating surface temperature, and will produce comparatively low vibration, resulting in quieter operation than the existing units.



<http://www.youtube.com/watch?v=WbqvCO25xLU>

2014 IACC CONFERENCE PRESENTATION

INNOVATION

CAMAS, CLARK COUNTY, TIB



http://infrafundng.wa.gov/downloads/Conference_Presentations/S36.pdf

CITY OF BELLINGHAM'S POST POINT WASTEWATER TREATMENT PLANT IMPROVEMENTS

The City strives to provide appropriate, safe, [reliable sewer service](#) at a fair, reasonable price while protecting and preserving the environment. As the plant reaches capacity for both load (what arrives in the wastewater) and flow (the quantity of wastewater) we must make improvements and continue to meet wastewater requirements while serving our community safely and effectively in the future.

<http://www.cob.org/government/departments/pw/projects/wastewater-treatment-improvements.aspx>



SHORELINE WATER DISTRICT'S PUBLIC/PRIVATE PARTNERSHIP & PRESSURE ZONE FOR RIDGECREST

The District identified eight projects necessary to improve fire flows and water pressures in the Ridgecrest neighborhood.

Given the extent of the work, the District's Board of Commissioners voted to enter into our first-ever Public/Private Partnership Agreement, with the goal of reducing overall costs to our ratepayers, and completing the projects in eighteen months rather than over the next ten years.



CITY OF OMAK'S PLAN TO BECOME SUSTAINABLE

“The realization that our sewer mains had become so fragile was sobering, and underscored the need to inspect all of our older mains, and make plans for replacement. The sewer mains in the area of the failure had been installed in the mid 1930s to early 1940s, and were well past their expected 50 year life expectancy.”



*Ralph Malone, Administrator
City of Omak*



Pipe Bursting Winch



Sewer Line Replacement

<http://pwb.com.wa.lcl/Documents/Omak-Sewer-Replacement-Project.pdf>

CITY OF SHELTON'S DIVERSION SYSTEM

The City of Shelton has been awarded \$1,500,000 in grant funds from Commerce to construct a sewer diversion system within a large mixed-use project proposed in the City limits. Upon completion, the project will allow sewage generated by this new development to be directed to either the City's Downtown Wastewater Treatment Plant or the new Satellite Water Reclamation Plant. This project represents a successful public-private partnership with several favorable outcomes:



Efficiency: The diversion system will ensure that, as the proposed and future projects in the sewer service area develop, the most efficient use of the existing treatment facilities occurs. This diversion will effectively allow the two existing plants to operate as one large plant.

Cost effective: Without a diversion system such as this, the City will be mandated to pursue new or expanded treatment facilities when development in each basin threatens to exceed that basin's capacity.

Facilitate growth: Without this capability, development would soon be stopped until the Satellite Water Reclamation Plant could be expanded to accommodate added treatment capacity. Designing and constructing another phased plant expansion could easily take 3-5 years.

Environmental: Having the capability to divert flows from the Satellite Water Reclamation Plant would avert potential ecological impacts resulting from an accidental release during a catastrophic event.

SEATTLE PUBLIC UTILITIES SEEKS STEEP RATE HIKES

Seattle Public Utilities says an almost five percent increase in rates for water, sewer, garbage and storm water collection for each of the next six years is necessary to maintain its current level of services.



http://seattletimes.com/html/localnews/2022721720_spuratehikexml.html

CITY OF BELLINGHAM: INNOVATIVE CONSTRUCTION TECHNIQUES, COOPERATIVE FUNDING ARRANGEMENTS



[W. Bakerview Overpass Improvements](#) - Multi-jurisdictional effort to maximize existing infrastructure, resulting in significant gains in capacity. This Bellingham-led project included WSDOT, Whatcom County, Port of Bellingham, Transportation Improvement Board, EDI, and private development as funding partners. Improvements will allow some of the more densely zoned commercial and industrial land develop resulting in significant economic development and job growth.

[Downtown Raingarden Project](#). Installation of 36 raingardens in the City's Central Business District. This "green infrastructure" solution will provide much needed water quality benefits and help to beautify areas of the downtown. The project is a result of partnership with Sustainable Connections, a local non-profit, and the Bellingham Downtown Business Partnership. The project is scheduled to go to bid in March.

[Meador/Kansas/Ellis](#) - The final leg of the Whatcom Creek Trail was Bellingham's second Green Roads Certified project and featured innovative use of recycled materials. A section of the sidewalk was constructed using 400 recycled toilets as aggregate. The toilets were from a Housing Authority project and would have otherwise made their way to a landfill.

CITY OF CAMAS MOVEMENT TOWARD LED STREETLIGHTS

Over the next few months, staff will be developing new street lighting standards and begin the process towards adoption. In addition, staff will develop an implementation plan for the replacement of existing inventory. As part of the replacement program, staff will be installing small, targeted replacement installations to gauge customer satisfaction and cost of replacement assumptions.

http://camas.granicus.com/MetaViewer.php?view_id=2&clip_id=395&meta_id=28665



City of Camas LED Streetlights

EcoSafe Lighting

