

SENATE BILL 6150

State of Washington                      59th Legislature                      2006 Regular Session

By Senators Fraser, Hewitt, Doumit, Pflug, Brandland, Roach, Rasmussen, Pridemore, Deccio, Fairley, Thibaudeau, Schmidt, Regala and Rockefeller; by request of Department of Community, Trade, and Economic Development and Public Works Board

Read first time 01/09/2006. Referred to Committee on Ways & Means.

1            AN ACT Relating to authorization for projects recommended by the  
2 public works board; creating a new section; and declaring an emergency.

3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

4            NEW SECTION.    **Sec. 1.** Pursuant to chapter 43.155 RCW, the  
5 following project loans recommended by the public works board are  
6 authorized to be made with funds appropriated from the public works  
7 assistance account:

8            (1) Alderwood water and wastewater district--sanitary sewer  
9 project--upgrade the picnic point wastewater treatment facility and  
10 increase the maximum month flow capacity from three million gallons per  
11 day to six million gallons per day by improving the fine screening,  
12 vortex grit removal, membrane bioreactor, and ultraviolet  
13 disinfection . . . . . \$7,000,000

14            (2) Arlington--sanitary sewer project--improve the solids handling  
15 capacity of the wastewater treatment plant, expand the capacity of both  
16 the solids processing and liquid treatment portions of the plant, and  
17 alter the type of treatment process . . . . . \$7,000,000

18            (3) Bainbridge Island--sanitary sewer project--construct an  
19 enclosed building to house the headworks equipment, construct a new

1 building to house solid handling equipment, convert aeration for both  
2 basins from surface aeration to diffused air, add solid storage basins,  
3 upgrade two existing clarifiers and associated return activated sludge  
4 pumps, construct vactor decanting station, and replace existing  
5 electrical system . . . . . \$3,564,500

6 (4) Bellingham--domestic water project--remove an aging diversion  
7 dam and replace its function with a withdrawal structure built into the  
8 river that will not impede the natural flow of the river to restore  
9 runs of two endangered species to the upper reaches of the middle fork  
10 of the Nooksack river and connect it with the existing  
11 system . . . . . \$3,400,000

12 (5) Birch Bay water and sewer district--sanitary sewer  
13 project--replace the sanitary sewer force main from pump station number  
14 3 to the wastewater treatment plant and divert a portion of the  
15 districts sewer flow around pump station number 4 directly to pump  
16 station number 3 resulting in a twenty-six percent increase in sanitary  
17 sewer conveyance capacity . . . . . \$2,305,625

18 (6) Buckley--sanitary sewer project--construction of a dewatering  
19 building to house a belt filter press sludge dewatering machine,  
20 rebuild and expand the wastewater treatment plant to provide nutrient  
21 removal and accommodate the wastewater from Rainier school and  
22 anticipated growth over the next twenty years, and construction of a  
23 gravity interceptor. Improvements to the plant include enclosed  
24 headworks with fine screens, grit removal, flow measurement and  
25 sampling, biological nutrient removal activated sludge process with new  
26 anaerobic basins, anoxic basins, and aeration basins, activated sludge  
27 clarifiers, and return sludge pumping, followed by ultraviolet light  
28 disinfection . . . . . \$7,000,000

29 (7) Enumclaw--sanitary sewer project--upgrade and expand the  
30 existing wastewater treatment plant including new headworks, new  
31 extended aeration activated sludge basins, new anaerobic/anoxic basins  
32 for phosphorus removal and denitrification, two additional secondary  
33 clarifiers, chemical facilities for additional phosphorus removal in  
34 the existing secondary clarifiers, sludge dewatering and stabilization  
35 facilities, enlarged laboratory area, increasing capacity to  
36 accommodate projected urban growth through 2022 . . . . . \$5,700,000

37 (8) Everett--sanitary sewer project--limit biochemical oxygen  
38 demand loads of the wastewater flowing into the aeration ponds to less

1 than 20,000 pounds per day by construction of a new treatment process  
2 in the wastewater stream by constructing the primary clarifiers that  
3 will feed up to 21,000,000 gallons per day to the trickling filters for  
4 additional treatment, eliminate the use of chlorine gas and replace it  
5 with a twelve percent sodium hypochlorite solution, construct a new 4.8  
6 acre solids handling area to process biosolids, and modifications to  
7 the laboratory and operations room . . . . . \$7,000,000

8 (9) Holmes Harbor sewer district--sanitary sewer project--modify  
9 the existing wastewater treatment plant and related systems to include  
10 1,500,000 gallons of storage for incompletely treated effluent,  
11 including appurtenant pumping, piping, and control  
12 systems . . . . . \$950,000

13 (10) King county water district number 54--domestic water project--  
14 replace and dispose of an eight-inch water distribution line and an  
15 abandoned six-inch water line as part of a project to replace a fill  
16 and box culvert with a bridge across Des Moines creek that will improve  
17 fish migration and alleviate excess pooling and flooding, provide a  
18 temporary line during construction, and install a permanent twelve-inch  
19 line under the new bridge . . . . . \$150,300

20 (11) Kitsap county sewer district number 7--sanitary sewer  
21 project--upgrade and add capacity to the wastewater treatment plant by  
22 adding a second aeration basin, changing the existing aeration from a  
23 floating aerator to fine bubble diffusers, add a third clarifier,  
24 change influent screening from bars to a fine screen, add a second bank  
25 of ultraviolet lights, add a third return activated sludge pump, add a  
26 second sludge digester, and construct a utility building to house the  
27 equipment . . . . . \$1,288,000

28 (12) Lake Stevens--sanitary sewer project--construction of a  
29 membrane bioreactor tertiary wastewater treatment plant outside the  
30 flood plain, construction of an interceptor line and pump station to  
31 intercept and redirect existing flows to the new plant, and associated  
32 easement acquisition, permit fees, construction management services,  
33 and startup and operation and maintenance manuals . . . . . \$7,000,000

34 (13) Lakehaven utility district--sanitary sewer  
35 project--remove/replace and/or line approximately 1,030 feet of the  
36 existing outfall pipe starting from 100 feet inland to the end of the  
37 existing outfall, and extend the existing/new outfall from the previous

1 end point approximately 800 feet further into Puget Sound to ensure the  
2 protection of shellfish beds in the area . . . . . \$2,400,000

3 (14) Malaga water district--domestic water project--design and  
4 construction of two pump stations, an approximately 60,000 gallon  
5 reservoir, approximately 11,000 feet of transmission/distribution main,  
6 a pressure reducing station, and other water system  
7 appurtenances . . . . . \$1,064,950

8 (15) Mercer Island--sanitary sewer project--install approximately  
9 16,000 feet of eight to sixteen-inch sewer main and 7,000 feet of six-  
10 inch side sewer laterals in Lake Washington along the north and  
11 northwest shoreline, replace and modify two pump stations, extend and  
12 connect side sewer laterals to the new main, finalize easements with  
13 approximately seventy-five property owners, install approximately ten  
14 maintenance manholes and cleanouts, and environmental  
15 mitigation . . . . . \$7,000,000

16 (16) Mill Creek--road project--replace existing culverts carrying  
17 Penny creek under Mill Creek Road with a new bridge structure in a  
18 different location by drilling piers along the outer edge of the  
19 alignment, installing pipe caps and precast concrete bridge deck  
20 panels, excavating under the panels, installing timber lagging as the  
21 excavation progresses, and constructing concrete walls over the  
22 lagging, reroute the streambed with some wetland mitigation work,  
23 relocate existing water line, and plugging and abandoning the existing  
24 culvert . . . . . \$921,500

25 (17) Mount Vernon--sanitary sewer project--construction of the  
26 phase one improvements for the wastewater treatment facility including  
27 a new pretreatment (grit and debris screening) facility, two additional  
28 primary clarifiers, upgrade of the existing aeration basins, two  
29 additional secondary clarifiers, an ultraviolet disinfection system for  
30 the effluent (replacing chlorine gas system), and an extensive odor  
31 control system . . . . . \$7,000,000

32 (18) Moxee--sanitary sewer project--construct approximately 13,500  
33 feet of wastewater conveyance piping and appurtenances along state  
34 route number 24 from Moxee to Riverside Road, discharging to a new lift  
35 station owned and operated by the Terrace Heights sewer  
36 district . . . . . \$2,000,000

37 (19) Mukilteo--storm sewer project--construct approximately 16,500  
38 feet of new eighteen to forty-eight inch storm water conveyance

1 pipeline to transfer high storm water flows from Smugglers Gulch and  
2 Big Gulch stream channels, restoring the stream channel, associated  
3 fish and wildlife habitat, and adjacent infrastructure, as well as  
4 provide mitigation for disturbed wetlands . . . . . \$3,587,200

5 (20) North Bend--domestic water project--drilling, testing, and  
6 development of a new municipal supply well for the perfection of a new  
7 water right application with the department of ecology to supply the  
8 city and urban growth area with needed additional water, construction  
9 of approximately 21,200 lineal foot twelve-inch diversion pipeline from  
10 the south fork Tolt river reservoir to the north fork Snoqualmie  
11 river . . . . . \$3,474,675

12 (21) North Bonneville--sanitary sewer project--install a new  
13 headworks screen in the existing headworks structure, install a new  
14 clarifier, including piping modifications, in the existing sewer  
15 treatment plant, and painting existing metal surfaces in the existing  
16 treatment plant unit . . . . . \$450,000

17 (22) Oak Harbor--domestic water project--design and construction of  
18 approximately 5,700 feet of twenty-four inch diameter ductile iron  
19 water transmission main along highway 20 between Pass Lake and Sharpe's  
20 Corner as a replacement for existing water transmission main being  
21 destroyed as a result of planned highway construction . . . \$2,694,500

22 (23) Okanogan county--sanitary sewer project--construction, right  
23 of way acquisition and engineering for gravity and pressure pipe, lift  
24 stations, telemetry, treatment plant improvements, and associated  
25 facilities, water system improvements including supply main, fire  
26 hydrants, air/vac facilities, storage, booster pumping, telemetry, and  
27 applicable appurtenances . . . . . \$7,000,000

28 (24) Othello--road project--reconstruct 1,850 lineal feet of  
29 arterial truck route (Broadway Avenue), to include surface, subsurface,  
30 and impacted utilities, improved to heavy truck traffic standards,  
31 retaining the existing sidewalks, curbs, and gutters . . . . \$555,000

32 (25) Pullman--sanitary sewer project--construction of a new,  
33 approximately 500,000 gallon, variable volume digester at the  
34 wastewater treatment plant including site preparation, construction of  
35 the digester, necessary piping modifications, upgrades to the existing  
36 digesters as required to facilitate the new digester, and modifications  
37 to the plant's existing electrical and supervisory control  
38 system . . . . . \$1,870,000

- 1           (26) Sammamish Plateau water and sewer district--domestic water  
 2 project--design and construction of a new approximately 6.2 million  
 3 gallon per day water treatment facility to remove arsenic, hydrogen  
 4 sulfide, iron and manganese, and silica . . . . . \$2,843,250
- 5           (27) Sedro-Woolley--sanitary sewer project--construction of  
 6 approximately 29,700 linear feet of eight to thirty-inch pipes, and the  
 7 design of two sewer pump stations . . . . . \$7,000,000
- 8           (28) Stanwood--domestic water project--prepare a feasibility study,  
 9 well desktop treatment study, and a preliminary engineering report to  
 10 determine the most cost-effective water system improvements, the most  
 11 effective well treatment methods, and outlining the principal design  
 12 criteria for all planned facilities, conduct a pilot plant study to  
 13 confirm effectiveness of treatment and provide/confirm design criteria,  
 14 obtain all necessary permits, prepare plans, specifications, and cost  
 15 estimates for all improvements, construct a new treatment plant for the  
 16 removal of arsenic, manganese, and hydrogen sulfide, construct  
 17 approximately 500 lineal feet of new transmission water main, and  
 18 approximately 1,500 linear feet of new distribution water mains to  
 19 connect to the existing system . . . . . \$3,194,733
- 20           (29) Stanwood--sanitary sewer project--parallel existing sewer  
 21 alignment with approximately 4,000 lineal feet of thirty-inch sewer  
 22 pipe in the same right of way corridor as the existing fourteen-inch  
 23 interceptor and have a flow capacity of 6.5 million gallons a day build  
 24 sufficient to handle the projected 5.8 million gallons a day build  
 25 outflow, and the replacement of the existing eight and twelve-inch  
 26 water mains . . . . . \$2,031,500
- 27           (30) Tenino--sanitary sewer project--construction of a new  
 28 wastewater treatment plant and collection system with a membrane  
 29 bioreactor treatment plant with a capacity of 360,000 gallons per day  
 30 that will produce Class A reclaimed water, and approximately 68,516  
 31 lineal feet of one and one-half to six-inch diameter pipe and 784  
 32 individual grinder pumps . . . . . \$7,000,000
- 33           (31) Terrace Heights sewer district--sanitary sewer project--  
 34 construct a new lift station with a capacity of approximately 4,400  
 35 gallon per minute, approximately 11,700 feet of twelve-inch diameter  
 36 force mains from the new lift station to the Yakima regional wastewater  
 37 treatment facility, and approximately 4,200 feet of eight-inch diameter  
 38 gravity sewer main . . . . . \$3,655,000

1 (32) Union Gap--sanitary sewer project--replace approximately 3,800  
2 feet of sewer line, institute hydrogen sulfide control measures at the  
3 master lift station to reduce corrosion problems, complete eight sewer  
4 pipeline point repairs, replace seven manholes, install manhole shields  
5 on forty-five manholes located in areas of potential flooding,  
6 investigate sixteen side sewer connections, conduct an inflow  
7 evaluation during the next flooding event, and visually inspect  
8 previously uninspected portions of the system . . . . . \$1,037,000

9 (33) Val Vue sewer district--sanitary sewer project--replace  
10 approximately 11,000 linear feet of pipe and associated side sewers,  
11 construction of approximately 1,900 linear feet of replacement main  
12 line sewers, construction of approximately 1,600 linear feet of sewer  
13 main replacement, replacement of approximately 300 linear feet of main,  
14 replacement of approximately 120 side sewer stubs, and improvements to  
15 a pump station by the addition of an emergency power  
16 generator . . . . . \$3,554,700

17 (34) Whitworth water district number 2--domestic water  
18 project--install approximately 11,900 feet of sixteen-inch water pipe,  
19 22,440 feet of twelve-inch water pipe, 4,140 feet of eight-inch water  
20 pipe together with valves, fire hydrants, and other appurtenances, and  
21 construct an approximately two million gallon ground level steel water  
22 reservoir, complete with access road, valving, level controls, and  
23 other appurtenances . . . . . \$3,496,600

24 (35) Zillah--sanitary sewer project--construct wastewater facility  
25 improvements including a new screening system, construct a new aeration  
26 basin of approximately 159,000 gallons, install baffles in both  
27 clarifiers and replace the 28-year-old mechanical components of  
28 clarifier number 1, install a positive displacement pump in the aerobic  
29 digester building for automated daily sludge wasting, replace the  
30 existing ultraviolet system with a new and larger system, construct an  
31 effluent pump station to accommodate design peak hour flow, replace the  
32 submerged turbine aerators with fine bubble diffusers, and provide 480  
33 volt service to all process electrical equipment, and eliminate dual  
34 voltage system now found at the plant . . . . . \$2,295,000

35 NEW SECTION. **Sec. 2.** This act is necessary for the immediate  
36 preservation of the public peace, health, or safety, or support of the

1 state government and its existing public institutions, and takes effect  
2 immediately.

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