

HB 2544 - S AMD 217

By Senators Fraser, Brandland

ADOPTED 02/28/2006

1 Strike everything after the enacting clause and insert the
2 following:

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

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

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

17 (3) Bainbridge Island--sanitary sewer project--construct an
18 enclosed building to house the headworks equipment, construct a new
19 building to house solid handling equipment, convert aeration for both
20 basins from surface aeration to diffused air, add solid storage basins,
21 upgrade two existing clarifiers and associated return activated sludge
22 pumps, construct vector decanting station, and replace existing
23 electrical system \$3,564,500

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

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

7 (6) Buckley--sanitary sewer project--construction of a dewatering
8 building to house a belt filter press sludge dewatering machine,
9 rebuild and expand the wastewater treatment plant to provide nutrient
10 removal and accommodate the wastewater from Rainier school and
11 anticipated growth over the next twenty years, and construction of a
12 gravity interceptor. Improvements to the plant include enclosed
13 headworks with fine screens, grit removal, flow measurement and
14 sampling, biological nutrient removal activated sludge process with new
15 anaerobic basins, anoxic basins, and aeration basins, activated sludge
16 clarifiers, and return sludge pumping, followed by ultraviolet light
17 disinfection \$7,000,000

18 (7) Enumclaw--sanitary sewer project--upgrade and expand the
19 existing wastewater treatment plant including new headworks, new
20 extended aeration activated sludge basins, new anaerobic/anoxic basins
21 for phosphorus removal and denitrification, two additional secondary
22 clarifiers, chemical facilities for additional phosphorus removal in
23 the existing secondary clarifiers, sludge dewatering and stabilization
24 facilities, enlarged laboratory area, increasing capacity to
25 accommodate projected urban growth through 2022 \$5,700,000

26 (8) Everett--sanitary sewer project--limit biochemical oxygen
27 demand loads of the wastewater flowing into the aeration ponds to less
28 than 20,000 pounds per day by construction of a new treatment process
29 in the wastewater stream by constructing the primary clarifiers that
30 will feed up to 21,000,000 gallons per day to the trickling filters for
31 additional treatment, eliminate the use of chlorine gas and replace it
32 with a twelve percent sodium hypochlorite solution, construct a new 4.8
33 acre solids handling area to process biosolids, and modifications to
34 the laboratory and operations room \$7,000,000

35 (9) Holmes Harbor sewer district--sanitary sewer project--modify
36 the existing wastewater treatment plant and related systems to include
37 1,500,000 gallons of storage for incompletely treated effluent,
38 including appurtenant pumping, piping, and control

1 systems \$950,000

2 (10) King county water district number 54--domestic water project--

3 replace and dispose of an eight-inch water distribution line and an

4 abandoned six-inch water line as part of a project to replace a fill

5 and box culvert with a bridge across Des Moines creek that will improve

6 fish migration and alleviate excess pooling and flooding, provide a

7 temporary line during construction, and install a permanent twelve-inch

8 line under the new bridge \$150,300

9 (11) Kitsap county sewer district number 7--sanitary sewer

10 project--upgrade and add capacity to the wastewater treatment plant by

11 adding a second aeration basin, changing the existing aeration from a

12 floating aerator to fine bubble diffusers, add a third clarifier,

13 change influent screening from bars to a fine screen, add a second bank

14 of ultraviolet lights, add a third return activated sludge pump, add a

15 second sludge digester, and construct a utility building to house the

16 equipment \$1,288,000

17 (12) Lake Stevens--sanitary sewer project--construction of a

18 membrane bioreactor tertiary wastewater treatment plant outside the

19 flood plain, construction of an interceptor line and pump station to

20 intercept and redirect existing flows to the new plant, and associated

21 easement acquisition, permit fees, construction management services,

22 and startup and operation and maintenance manuals \$7,000,000

23 (13) Lakehaven utility district--sanitary sewer

24 project--remove/replace and/or line approximately 1,030 feet of the

25 existing outfall pipe starting from 100 feet inland to the end of the

26 existing outfall, and extend the existing/new outfall from the previous

27 end point approximately 800 feet further into Puget Sound to ensure the

28 protection of shellfish beds in the area \$2,400,000

29 (14) Malaga water district--domestic water project--design and

30 construction of two pump stations, an approximately 60,000 gallon

31 reservoir, approximately 11,000 feet of transmission/distribution main,

32 a pressure reducing station, and other water system

33 appurtenances \$1,064,950

34 (15) Mercer Island--sanitary sewer project--install approximately

35 16,000 feet of eight to sixteen-inch sewer main and 7,000 feet of six-

36 inch side sewer laterals in Lake Washington along the north and

37 northwest shoreline, replace and modify two pump stations, extend and

1 connect side sewer laterals to the new main, finalize easements with
2 approximately seventy-five property owners, install approximately ten
3 maintenance manholes and cleanouts, and environmental
4 mitigation \$7,000,000

5 (16) Mill Creek--road project--replace existing culverts carrying
6 Penny creek under Mill Creek Road with a new bridge structure in a
7 different location by drilling piers along the outer edge of the
8 alignment, installing pipe caps and precast concrete bridge deck
9 panels, excavating under the panels, installing timber lagging as the
10 excavation progresses, and constructing concrete walls over the
11 lagging, reroute the streambed with some wetland mitigation work,
12 relocate existing water line, and plugging and abandoning the existing
13 culvert \$921,500

14 (17) Mount Vernon--sanitary sewer project--construction of the
15 phase one improvements for the wastewater treatment facility including
16 a new pretreatment (grit and debris screening) facility, two additional
17 primary clarifiers, upgrade of the existing aeration basins, two
18 additional secondary clarifiers, an ultraviolet disinfection system for
19 the effluent (replacing chlorine gas system), and an extensive odor
20 control system \$7,000,000

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

26 (19) Mukilteo--storm sewer project--construct approximately 16,500
27 feet of new eighteen to forty-eight inch storm water conveyance
28 pipeline to transfer high storm water flows from Smugglers Gulch and
29 Big Gulch stream channels, restoring the stream channel, associated
30 fish and wildlife habitat, and adjacent infrastructure, as well as
31 provide mitigation for disturbed wetlands \$3,587,200

32 (20) North Bend--domestic water project--drilling, testing, and
33 development of a new municipal supply well for the perfection of a new
34 water right application with the department of ecology to supply the
35 city and urban growth area with needed additional water, construction
36 of approximately 21,200 lineal foot twelve-inch diversion pipeline from
37 the south fork Tolt river reservoir to the north fork Snoqualmie
38 river \$3,474,675

- 1 (21) North Bonneville--sanitary sewer project--install a new
2 headworks screen in the existing headworks structure, install a new
3 clarifier, including piping modifications, in the existing sewer
4 treatment plant, and painting existing metal surfaces in the existing
5 treatment plant unit \$450,000
- 6 (22) Oak Harbor--domestic water project--design and construction of
7 approximately 5,700 feet of twenty-four inch diameter ductile iron
8 water transmission main along highway 20 between Pass Lake and Sharpe's
9 Corner as a replacement for existing water transmission main being
10 destroyed as a result of planned highway construction . . . \$2,694,500
- 11 (23) Okanogan county--sanitary sewer project--construction, right
12 of way acquisition and engineering for gravity and pressure pipe, lift
13 stations, telemetry, treatment plant improvements, and associated
14 facilities, water system improvements including supply main, fire
15 hydrants, air/vac facilities, storage, booster pumping, telemetry, and
16 applicable appurtenances \$7,000,000
- 17 (24) Othello--road project--reconstruct 1,850 lineal feet of
18 arterial truck route (Broadway Avenue), to include surface, subsurface,
19 and impacted utilities, improved to heavy truck traffic standards,
20 retaining the existing sidewalks, curbs, and gutters \$555,000
- 21 (25) Pullman--sanitary sewer project--construction of a new,
22 approximately 500,000 gallon, variable volume digester at the
23 wastewater treatment plant including site preparation, construction of
24 the digester, necessary piping modifications, upgrades to the existing
25 digesters as required to facilitate the new digester, and modifications
26 to the plant's existing electrical and supervisory control
27 system \$1,870,000
- 28 (26) Sammamish Plateau water and sewer district--domestic water
29 project--design and construction of a new approximately 6.2 million
30 gallon per day water treatment facility to remove arsenic, hydrogen
31 sulfide, iron and manganese, and silica \$2,843,250
- 32 (27) Sedro-Woolley--sanitary sewer project--construction of
33 approximately 29,700 linear feet of eight to thirty-inch pipes, and the
34 design of two sewer pump stations \$7,000,000
- 35 (28) Stanwood--domestic water project--prepare a feasibility study,
36 well desktop treatment study, and a preliminary engineering report to
37 determine the most cost-effective water system improvements, the most
38 effective well treatment methods, and outlining the principal design

1 criteria for all planned facilities, conduct a pilot plant study to
2 confirm effectiveness of treatment and provide/confirm design criteria,
3 obtain all necessary permits, prepare plans, specifications, and cost
4 estimates for all improvements, construct a new treatment plant for the
5 removal of arsenic, manganese, and hydrogen sulfide, construct
6 approximately 500 lineal feet of new transmission water main, and
7 approximately 1,500 linear feet of new distribution water mains to
8 connect to the existing system \$3,194,733

9 (29) Stanwood--sanitary sewer project--parallel existing sewer
10 alignment with approximately 4,000 lineal feet of thirty-inch sewer
11 pipe in the same right of way corridor as the existing fourteen-inch
12 interceptor and have a flow capacity of 6.5 million gallons a day
13 sufficient to handle the projected 5.8 million gallons a day build
14 outflow, and the replacement of the existing eight and twelve-inch
15 water mains \$2,031,500

16 (30) Tenino--sanitary sewer project--construction of a new
17 wastewater treatment plant and collection system with a membrane
18 bioreactor treatment plant with a capacity of 360,000 gallons per day
19 that will produce Class A reclaimed water, and approximately 68,516
20 lineal feet of one and one-half to six-inch diameter pipe and 784
21 individual grinder pumps \$7,000,000

22 (31) Terrace Heights sewer district--sanitary sewer project--
23 construct a new lift station with a capacity of approximately 4,400
24 gallon per minute, approximately 11,700 feet of twelve-inch diameter
25 force mains from the new lift station to the Yakima regional wastewater
26 treatment facility, and approximately 4,200 feet of eight-inch diameter
27 gravity sewer main \$3,655,000

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

36 (33) Val Vue sewer district--sanitary sewer project--replace
37 approximately 11,000 linear feet of pipe and associated side sewers,
38 construction of approximately 1,900 linear feet of replacement main

1 line sewers, construction of approximately 1,600 linear feet of sewer
2 main replacement, replacement of approximately 300 linear feet of main,
3 replacement of approximately 120 side sewer stubs, and improvements to
4 a pump station by the addition of an emergency power

5 generator \$3,554,700

6 (34) Whitworth water district number 2--domestic water
7 project--install approximately 11,900 feet of sixteen-inch water pipe,
8 22,440 feet of twelve-inch water pipe, 4,140 feet of eight-inch water
9 pipe together with valves, fire hydrants, and other appurtenances, and
10 construct an approximately two million gallon ground level steel water
11 reservoir, complete with access road, valving, level controls, and
12 other appurtenances \$3,496,600

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

24 (36) Auburn--sanitary sewer project--replace approximately 13,100
25 linear feet of 10, 12, and 15 inch concrete pipes with 24, 27, and 36
26 inch sewer pipes to handle existing and future wastewater flows.
27 Removal of eight pressure reducing valves on a water transmission line
28 and storm system revisions \$3,500,000

29 (37) Battle Ground--sanitary sewer project--upgrades at Salmon
30 Creek treatment plant to achieve added capacity and security.
31 Construction of the new Klineline sewer pump station and approximately
32 five miles of force main system to accommodate future pumping capacity
33 needs
34 \$4,000,000

35 (38) Bellevue--road project--improve a section of NE 24th Street
36 including widening the roadway to add five-foot bike lanes,
37 constructing curb, gutter, and sidewalk, and introduce calming

1 elements. The project is designed to improve safety by reducing areas
2 of conflict between vehicular and nonmotorized traffic by reducing
3 overall speeds \$750,000

4 (39) Burien--storm sewer project--construct approximately 1,450
5 linear feet of 30 to 42 inch and approximately 300 linear feet of 24
6 inch storm water trunk lines to eliminate flooding in downtown Burien
7 during a 25-year storm event. Modify and expand the Ambaum regional
8 detention pond to accommodate peak flows and to control the release of
9 storm water in order to protect downstream habitat \$1,547,000

10 (40) Clark public utilities--domestic water project--construct a
11 1,000 gallon per minute water supply well, construct and paint an
12 approximately 300,000 gallon reservoir, install a 500 gallon per minute
13 booster station, and replace approximately 90,000 feet of undersized
14 and deteriorated water line. These projects will increase fire flow
15 and generally improve the performance and reliability of the system
16 \$5,087,250

17 (41) Edmonds--road project--provide the necessary slope stability
18 and improve the integrity of approximately 300 feet of roadway section
19 that has been slowly moving down the hill toward a house due to slope
20 failure \$624,750

21 (42) Franklin County--road project--pave approximately 30 miles of
22 gravel roads throughout the county to save wear and tear on the
23 public's vehicles and savings in annual costs for maintenance
24 \$4,500,000

25 (43) Ilwaco--sanitary sewer project--replace a sewage pump station
26 and renovate another sewage pump station, both of which are 35 years
27 old to meet the department of ecology's requirements and save
28 approximately \$13,000 every three years \$237,960

29 (44) Lakewood--sanitary sewer project--construct three pump
30 stations, approximately 17,200 linear feet of force main, approximately
31 13,500 linear feet of gravity collector pipeline, and approximately 320
32 side sewer stubs to eliminate septic systems in the American Lake
33 gardens and Tillicum neighborhoods \$5,000,000

34 (45) Olympus terrace sewer district--sanitary sewer project--
35 construction of approximately 8,000 linear feet of trunk pipeline and
36 approximately 16,500 linear feet of storm water conveyance pipeline to
37 prevent high storm water flows from further eroding stream channels
38 \$7,000,000

1 (46) Seattle--storm sewer project--install approximately 2,860 feet
2 of storm drain and approximately 6,800 feet of pipe to alleviate
3 chronic flooding problems for at least 38 businesses and several
4 residences in South Park \$5,000,000

5 (47) Southwest suburban sewer district--sanitary sewer project--
6 replace/rehabilitate approximately 16,700 linear feet of sewer mains to
7 reduce environmental and public health issues associated with sewer
8 backups \$3,910,000

9 (48) Stevenson--domestic water project--replace a failing, unsafe,
10 and hazardous pump station to address fire flow requirements, convert
11 the vacated pump station into additional water reservoir storage, and
12 install approximately 6,250 feet of transmission main to eliminate
13 leaks \$795,000

14 (49) Tacoma--domestic water project--construction of an ozonation
15 treatment plant capable of treating approximately 168 million gallons
16 per day that will provide disinfection and taste and odor compound
17 control \$7,000,000

18 (50) Vancouver--road project--widen approximately 5,000 linear feet
19 of NE 138th Street to four lanes with center left turn lane, bike
20 lanes, sidewalks, street lighting, and landscaping to increase capacity
21 and safety, and upgrade traffic control \$2,200,000

22 (51) Washougal--sanitary sewer project--replace a pump station with
23 approximately 6,250 linear feet of force and gravity mains, extending
24 approximately 2,200 linear feet of gravity sewer, and extension of
25 approximately 2,000 linear feet of interceptor sewer. The improvements
26 protect the water quality of the Washougal River and serve the
27 projected 20-year growth of the area \$2,070,000

28 NEW SECTION. **Sec. 2.** For any project on the proposed public works
29 board recommended project list in section 1 of this act that replaces
30 a water line over a creek, and where the project need and timeline are
31 being determined by a state agency and the city within its boundaries,
32 the jurisdiction may be reimbursed for expenses incurred prior to the
33 execution of the loan agreement.

34 NEW SECTION. **Sec. 3.** This act is necessary for the immediate
35 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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3 On page 1, line 2 of the title, after "board;" strike the remainder
4 of the title and insert "creating new sections; and declaring an
5 emergency."

--- END ---