



proud past, promising future

CLARK COUNTY
WASHINGTON

TO: Board of County Councilors

FROM: *RR* Michael Westerman, Purchasing Manager
POP

DATE: March 26, 2015

SUBJECT: Award of CRP #332422 – Fifth Plain Creek Bridge #230
NE 88th Street, Approximately 0.50 E of Ward Road

The Fifth Plain Creek Bridge #230 project will replace the existing Structurally Deficient two span concrete and timber bridge with a new single span precast post tensioned concrete slab girder structure. The project also includes the necessary roadway approach work, stream work and environmental mitigation.

Purchasing received seven responses to CRP #332422. The bids were checked for accuracy, content, and compliance to specifications.

Purchasing and Public Works recommend that Fifth Plain Creek Bridge #230 be awarded to the low bidder, Cascade Bridge LLC of Vancouver, WA, in the total bid amount of \$1,229,070.30 including Washington State Sales Tax, and grant authority to the County Manager to sign all bid related contracts.



NE 99TH STREET

NE 72ND AVE
CHINA DITCH

NE WARD ROAD

FIFTH PLAIN CR

SHANGHAI CREEK

LOWER FIFTH PLAIN CREEK

NE WARD ROAD

NE 88TH STREET

PROJECT LOCATION
FIFTH PLAIN CREEK BRIDGE #230

NE 79TH PL

FIFTH PLAIN CREEK BRIDGE



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CLARK COUNTY
WASHINGTON

MEMORANDUM

TO: Michael Westerman, Purchasing Manager

FROM: Gunnar Fridriksson, P.L.S., P.E., Construction Manager
for
Heath Henderson, P.E., Director/County Engineer 

DATE: June 25, 2015

REF: Fifth Plain Creek Bridge #230
NE 88th St., Approximately 0.50 mi E of Ward Rd.
CRP# 332422
Federal Aid # BRM-4382(001)
WSDOT Contract # TA-5043

SUBJECT: BID AWARD

The Fifth Plain Creek Bridge #230 project will replace the existing Structurally Deficient two span concrete and timber bridge with a new single span precast post tensioned concrete slab girder structure. The project also includes the necessary roadway approach work, stream work and environmental mitigation.

Below is a brief summary of the costs for the Fifth Plain Creek Bridge #230 project:

Expenses

Design/Engineering	\$ 380,000.00
Right of Way	\$ 16,000.00
Construction Contract	\$ 1,229,070.30
Construction Management & Engineering	\$ 250,000.00
Total Project Estimated Cost:	\$ 1,875,070.30

Budgeted Revenue

BRAC Grant (Federal Funds)	\$ 1,509,880.00
County Road Fund	\$ 322,667.30
Clark PUD - Water	\$ 42,523.00
Total Budgeted Revenues:	\$ 1,875,070.30



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This project will provide 12 family wage jobs for the community.

The Department of Public Works has reviewed the submitted bids for the proposed construction of the above subject project.

The bids have been checked for accuracy and compliance with the bidding requirements. Seven (7) firms submitted bids in the amounts shown on the attached Tabulation of Bids and Bidders. The low bid of \$1,229,070.30 was submitted by Cascade Bridge, LLC of Vancouver, Washington.

We recommend that the Board of County Councilors award the contract for the construction of Fifth Plain Creek Bridge #230 NE 88th St., Approximately 0.50 mi E of Ward Rd., CRP# 332422, to Cascade Bridge, LLC of Vancouver, Washington, in the amount of \$1,229,070.30.

Attachment: 1) Tabulated Bids
2) Aerial Map

cc w/enc: Bill Wright, Transportation Programming Manager
Gunnar Fridriksson – Construction Manager
Amanda Miller, Auditor/Accounting
Jean Singer, Project Manager
Matt Hall – Project Management Manager
Tom Grange – Engineering & Construction Division Manager
Jeff Schnabel – Clean Water Program Manager (Clean Water Projects Only)
Heath Henderson – Public Works Director/County Engineer
Project File – Contract
Project File – Correspondence

DATE OF BID OPENING: June 23, 2015		County Road Project: Fifth Plain Creek Bridge #230										C.R.P.# 332422							
Spec Yr:	14	PUBLIC SERVICE CENTER, SIXTH FLOOR Commissioners Hearing Room Office of Clark County Commissioners		ENGINEER'S ESTIMATE		Cascade Bridge, LLC 14215 NW 3rd Court Vancouver, WA 98685 360-737-6576		MJ Hughes Construction 11510 NE 97TH AVE Vancouver, WA 98662 360-314-2024		Conway Construction Company PO BOX 303 Ridgedale, WA 98642 360-987-3022		Steller J Corporation 1363 Down River Drive Woodland, WA 98674 360-225-7996		Legacy Contracting PO BOX 1 Stawton, OR 97383 503-749-1818		Nutter Corporation 7211-A NE 43rd Ave Vancouver, WA 98661 360-573-2000		Coff Construction LLC PO BOX 1434 Vancouver, WA 98668 360-634-5364	
NO.	BID ITEM NO	QUANTITY	BID ITEM DESCRIPTION	UNIT	UNIT PRICE	Total	UNIT PRICE	Total	UNIT PRICE	Total	UNIT PRICE	Total	UNIT PRICE	Total	UNIT PRICE	Total	UNIT PRICE	Total	

PART 1 - ROADWAY IMPROVEMENTS

Include all applicable use and/or sales taxes in the individual Unit and Lump Sum prices.

1	101.07	1.00	MOBILIZATION	L.S.	\$110,500.00	\$110,500.00	\$120,000.00	\$120,000.00	\$115,000.00	\$115,000.00	\$120,000.00	\$120,000.00	\$130,000.00	\$130,000.00	\$133,500.00	\$133,500.00	\$153,000.00	\$153,000.00	\$150,000.00	\$150,000.00
2	105.50	1.00	CONSTRUCTION SURVEYING	L.S.	\$13,000.00	\$13,000.00	\$5,000.00	\$5,000.00	\$7,100.00	\$7,100.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$8,500.00	\$8,500.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00
3	108.03	1.00	STRUCTURE SURVEYING	L.S.	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$4,700.00	\$4,700.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$9,500.00	\$9,500.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
4	110.00	1.00	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$5,200.00	\$5,200.00	\$7,000.00	\$7,000.00	\$3,500.00	\$3,500.00	\$8,800.00	\$8,800.00	\$7,000.00	\$7,000.00	\$20,000.00	\$20,000.00
5	110.01	1.00	TRAFFIC CONTROL SUPERVISOR	L.S.	\$3,200.00	\$3,200.00	\$900.00	\$900.00	\$5,200.00	\$5,200.00	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00	\$18,500.00	\$18,500.00	\$7,000.00	\$7,000.00	\$50,000.00	\$50,000.00
6	110.07	120.00	PORTABLE CHANGEABLE MESSAGE SIGN	HOUR	\$6.00	\$720.00	\$4.00	\$480.00	\$7.60	\$912.00	\$18.00	\$2,160.00	\$10.00	\$1,200.00	\$50.00	\$5,000.00	\$20.00	\$2,400.00	\$10.00	\$1,200.00
7	110.02	240.00	FLAGGERS	HOUR	\$45.00	\$10,800.00	\$44.00	\$10,560.00	\$61.00	\$14,640.00	\$50.00	\$12,000.00	\$40.00	\$9,600.00	\$50.00	\$11,200.00	\$62.00	\$14,880.00	\$60.00	\$14,400.00
8	110.04	350.00	CONSTRUCTION SIGNS CLASS A	S.F.	\$22.00	\$7,700.00	\$17.00	\$5,950.00	\$13.90	\$4,865.00	\$17.00	\$5,950.00	\$30.00	\$10,500.00	\$18.00	\$6,300.00	\$24.00	\$8,400.00	\$20.00	\$7,000.00
9	107.15	1.00	SPCC PLAN	L.S.	\$2,000.00	\$2,000.00	\$250.00	\$250.00	\$11,000.00	\$11,000.00	\$1,500.00	\$1,500.00	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
10	201.00	1.00	CLEARING AND GRUBBING	L.S.	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00	\$5,600.00	\$5,600.00	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00	\$8,800.00	\$8,800.00	\$18,000.00	\$18,000.00	\$10,000.00	\$10,000.00
11	202.00	1.00	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$95,000.00	\$95,000.00	\$25,000.00	\$25,000.00	\$90,000.00	\$90,000.00	\$20,000.00	\$20,000.00	\$35,000.00	\$35,000.00	\$68,900.00	\$68,900.00	\$110,000.89	\$110,000.89	\$100,000.00	\$100,000.00
12	504.40	50.00	SAWCUT ASPHALT PAVEMENT	L.F.	\$2.00	\$100.00	\$3.00	\$150.00	\$17.50	\$875.00	\$4.00	\$200.00	\$10.00	\$500.00	\$13.75	\$687.50	\$10.00	\$500.00	\$11.00	\$550.00
13	203.01	325.00	ROADWAY EXCAVATION INCL HAUL	C.Y.	\$15.00	\$4,875.00	\$22.00	\$7,140.00	\$28.40	\$9,230.00	\$20.00	\$6,500.00	\$50.00	\$16,250.00	\$33.75	\$10,968.75	\$25.00	\$8,125.00	\$30.00	\$9,750.00
14	203.18	1335	CHANNEL EXCAVATION	C.Y.	\$23.00	\$30,705.00	\$16.00	\$21,360.00	\$21.40	\$28,569.00	\$14.00	\$18,690.00	\$17.00	\$22,595.00	\$33.00	\$44,055.00	\$15.00	\$20,025.00	\$30.00	\$40,050.00
15	203.08	1055.00	SELECT BORROW INCL HAUL	C.Y.	\$20.00	\$21,100.00	\$48.00	\$50,400.00	\$44.70	\$47,158.50	\$20.00	\$21,100.00	\$25.00	\$26,375.00	\$36.50	\$38,507.50	\$30.00	\$31,650.00	\$25.00	\$25,375.00
16	404.02	300.00	CRUSHED SURFACING BASE COURSE	C.Y.	\$26.00	\$7,800.00	\$67.00	\$20,100.00	\$91.00	\$27,300.00	\$60.00	\$18,000.00	\$95.00	\$16,500.00	\$67.80	\$17,340.00	\$45.00	\$13,500.00	\$40.00	\$12,000.00
17	404.04	50.00	CRUSHED SURFACING TOP COURSE	C.Y.	\$30.00	\$1,500.00	\$90.00	\$4,500.00	\$101.00	\$5,050.00	\$59.00	\$2,950.00	\$95.00	\$4,750.00	\$69.75	\$3,487.50	\$70.00	\$3,500.00	\$80.00	\$4,000.00
18	504.02	280.00	HMA CL 1/2 IN. PG 64-22	TON	\$86.00	\$24,080.00	\$100.00	\$28,000.00	\$112.00	\$31,360.00	\$106.00	\$29,680.00	\$120.00	\$33,600.00	\$98.00	\$27,440.00	\$110.00	\$30,800.00	\$95.00	\$26,600.00
19	610.02	162	PRECAST CONC. BARRIER TYPE 2	L.F.	\$45.00	\$7,290.00	\$41.00	\$6,741.00	\$58.00	\$9,496.00	\$78.00	\$12,636.00	\$75.00	\$12,150.00	\$66.00	\$10,692.00	\$110.00	\$17,820.00	\$80.00	\$12,960.00
20	801.52	1.00	EROSION CONTROL	L.S.	\$2,200.00	\$2,200.00	\$3,500.00	\$3,500.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$2,900.00	\$2,900.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
21	801.11	870.00	SILT FENCE	L.F.	\$3.00	\$2,610.00	\$3.50	\$3,045.00	\$7.00	\$6,090.00	\$3.00	\$2,610.00	\$3.00	\$2,610.00	\$7.75	\$6,742.50	\$4.00	\$3,480.00	\$5.00	\$4,350.00
22	801.07	60.00	STABILIZED CONSTRUCTION ENTRANCE	S.Y.	\$120.00	\$7,200.00	\$25.00	\$1,500.00	\$21.40	\$1,284.00	\$21.50	\$1,290.00	\$21.50	\$1,290.00	\$39.00	\$2,340.00	\$75.00	\$4,500.00	\$40.00	\$2,400.00
23	801.41	1.00	EROSION CONTROL AND SPILL PREVENTION REINSPECTION FEE	EACH	\$108.00	\$108.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
24	801.45	715.00	SEEDING AND MULCHING (Upland)	S.Y.	\$1.00	\$715.00	\$3.00	\$2,145.00	\$10.00	\$7,150.00	\$2.00	\$1,430.00	\$4.00	\$2,860.00	\$1.90	\$1,358.50	\$2.00	\$1,430.00	\$2.00	\$1,430.00
25	801.45	822.00	SEEDING AND MULCHING (Wetland)	S.Y.	\$1.10	\$904.20	\$3.00	\$2,466.00	\$10.00	\$8,220.00	\$2.00	\$1,644.00	\$4.00	\$3,288.00	\$1.90	\$1,561.80	\$2.00	\$1,644.00	\$2.90	\$2,055.00
26	877.56	1.00	IN-WATER WORK ISOLATION	L.S.	\$60,000.00	\$60,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$70,000.00	\$70,000.00	\$33,000.00	\$33,000.00	\$58,995.00	\$58,995.00	\$125,000.00	\$125,000.00	\$150,000.00	\$150,000.00
27	209.03	30.00	STRUCTURE EXCAVATION CLASS A INCL HAUL	C.Y.	\$18.00	\$540.00	\$65.00	\$1,950.00	\$39.00	\$1,170.00	\$30.00	\$900.00	\$30.00	\$900.00	\$48.00	\$1,440.00	\$40.00	\$1,200.00	\$50.00	\$1,500.00
28	209.07	1.00	SHORING OR EXTRA EXCAVATION CL. A - FIFTH PLAIN CREEK BR	L.S.	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$1,850.00	\$1,850.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$8,800.00	\$8,800.00	\$2,000.00	\$2,000.00	\$20,000.00	\$20,000.00
29	605.30	750.00	FURNISHING ST. PILING	L.F.	\$95.00	\$71,250.00	\$21.00	\$15,750.00	\$25.00	\$18,750.00	\$27.00	\$20,250.00	\$25.00	\$18,750.00	\$28.00	\$21,000.00	\$29.00	\$22,750.00	\$25.00	\$18,750.00
30	605.15	16.00	DRIVING ST. PILE	EACH	\$3,800.00	\$60,800.00	\$2,000.00	\$32,000.00	\$1,000.00	\$16,000.00	\$1,000.00	\$16,000.00	\$700.00	\$11,200.00	\$1,800.00	\$28,800.00	\$2,400.00	\$38,400.00	\$3,125.00	\$50,000.00
31	605.35	16.00	FURNISH STEEL PILE TIP OR SHOE (10" HP)	EACH	\$400.00	\$6,400.00	\$100.00	\$1,600.00	\$100.00	\$1,600.00	\$105.00	\$1,680.00	\$130.00	\$2,080.00	\$98.00	\$1,568.00	\$115.00	\$1,840.00	\$100.00	\$1,600.00
32	602.26	30.00	GRAVEL BACKFILL FOR WALL	C.Y.	\$35.00	\$1,050.00	\$70.00	\$2,100.00	\$40.00	\$1,200.00	\$50.00	\$1,500.00	\$55.00	\$1,650.00	\$71.00	\$2,130.00	\$75.00	\$2,250.00	\$100.00	\$3,000.00
33	602.22	13000.00	ST. REINF. BAR FOR BRIDGE	L.B.	\$1.27	\$16,510.00	\$1.20	\$15,600.00	\$1.20	\$15,600.00	\$1.00	\$13,000.00	\$1.40	\$18,200.00	\$1.25	\$16,250.00	\$1.50	\$19,500.00	\$2.00	\$26,000.00
34	602.05	70.00	CONC. CLASS 4000 FOR BRIDGE	C.Y.	\$600.00	\$42,000.00	\$980.00	\$68,600.00	\$600.00	\$42,000.00	\$730.00	\$51,100.00	\$500.00	\$35,000.00	\$696.00	\$48,650.00	\$696.00	\$48,650.00	\$1,500.00	\$105,000.00
35	602.20	1.00	SUPERSTRUCTURE - FIFTH PLAIN CREEK BRIDGE	L.S.	\$476,600.00	\$476,600.00	\$465,000.00	\$465,000.00	\$445,000.00	\$445,000.00	\$519,000.00	\$519,000.00	\$585,000.00	\$585,000.00	\$468,650.00	\$468,650.00	\$556,000.00	\$556,000.00	\$400,000.00	\$400,000.00
36	602.83	1.00	BRIDGE UTILITY SUPPORTS	L.S.	\$6,500.00	\$6,500.00	\$27,000.00	\$27,000.00	\$20,000.00	\$20,000.00	\$8,000.00	\$8,000.00	\$7,000.00	\$7,000.00	\$15,800.00	\$15,800.00	\$3,500.00	\$3,500.00	\$20,000.00	\$20,000.00
37	610.11	162.00	TRAFFIC BARRIER	L.F.	\$135.00	\$21,870.00	\$175.00	\$28,350.00	\$180.00	\$29,160.00	\$175.00	\$28,350.00	\$200.00	\$32,400.00	\$65.00	\$10,530.00	\$80.00	\$12,960.00	\$250.00	\$40,500.00
38	606.01	162.00	BRIDGE RAILING TYPE BP	L.F.	\$120.00	\$19,440.00	\$68.00	\$11,016.00	\$77.50	\$12,555.00	\$93.00	\$15,066.00	\$115.00	\$18,630.00	\$345.00	\$55,890.00	\$400.00	\$64,800.00	\$125.00	\$20,250.00
39	602.17	115.00	BRIDGE APPROACH SLAB	S.Y.	\$278.00	\$31,970.00	\$300.00	\$34,500.00	\$280.00	\$32,200.00	\$225.00	\$25,950.00	\$425.00	\$48,875.00	\$389.00	\$44,735.00	\$440.00	\$50,600.00	\$350.00	\$40,250.00
40	830.20	1600.00	FABRIC ENCAPSULATED SOIL LIFT	L.F.	\$40.00	\$64,000.00	\$38.00	\$60,800.00	\$5.90	\$9,440.00	\$23.00	\$36,800.00	\$12.00	\$19,200.00	\$12.50	\$20,000.00	\$60.00	\$96,000.00	\$60.00	\$96,000.00
41	815.04	300.00	LIGHT LOOSE RIPRAP	C.Y.	\$60.00	\$18,000.00	\$112.00	\$33,600.00	\$43.60	\$13,080.00	\$41.00	\$12,300.00	\$110.00	\$33,000.00	\$85.00	\$25,500.00	\$85.00	\$25,500.00	\$50.00	\$15,000.00
42	815.13	127.00	STREAMBED GRAVEL	C.Y.	\$45.00	\$5,715.00	\$55.00	\$7,005.00	\$52.00	\$6,604.00	\$56.00	\$7,112.00	\$75.00	\$9,525.00	\$91.00	\$11,557.00	\$80.00	\$10,160.00	\$100.00	\$12,700.00
43	802.02	210.00	TOPSOIL TYPE B	C.Y.	\$30.00	\$6,300.00	\$20.00	\$4,200.00	\$43.00	\$9,030.00	\$34									