

**CONSTRUCTION DIVISION**

**SPECIFICATION NO. 2722**

LA WATERFRONT-DOWNTOWN HARBOR-WATER CUT  
 PROJ. CONST. MNGR.: MAHSA HEMATABADI

ENGINEERING ESTIMATE: \$14,582,100

ADVERTISED DATE: JULY 28, 2011

BID OPENING DATE: OCTOBER 6, 2011

	ITEM 1		ITEM 2	
	LUMP SUM CONSTRUCTION		PAVEMENT DEMOLITION AND REMOVALS	
	LUMP SUM		Cu. Yds. Approx. Qty. =	1400
ENGINEERING ESTIMATE	\$	1,100,000.00	\$ 30.00	\$42,000.00
1) REYES CONSTRUCTION, INC.	\$	1,050,000.00	\$ 52.00	\$72,800.00
2) DUTRA CONSTRUCTION CO., INC.	\$	1,800,000.00	\$ 43.00	\$60,200.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$	2,241,816.00	\$ 235.00	\$329,000.00
4) FTR INTERNATIONAL, INC.	\$	5,177,000.00	\$ 63.00	\$88,200.00
1) AVERAGE BID	\$	2,567,204.00	\$ 98.25	\$ 137,550.00
2) STANDARD DEVIATION	\$	1,808,076.55	\$ 91.53	\$ 128,145.89
3) ENG. EST. - LOW BIDDER	\$	50,000.00	\$ (22.00)	\$ (30,800.00)

\* AS IN BID

\*\* BID ITEM LEFT BLANK IN BID

TRANSMITTAL NO. 1

**SPECIFICATION NO. 2722**

LA WATERFRONT-DOWNTOWN HARBOR-WA

PROJ. CONST. MNGR.: MAHSA HEMATABADI

	ITEM 3		ITEM 4	
	DEMOLISH TIMBER WHARF		TIMBER PILE REMOVAL	
	LUMP SUM		Each Approx. Qty. =	59
ENGINEERING ESTIMATE	\$	120,000.00	\$ 1,650.00	\$97,350.00
1) REYES CONSTRUCTION, INC.	\$	120,000.00	\$ 2,000.00	\$118,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$	240,000.00	\$ 1,050.00	\$61,950.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$	110,000.00	\$ 1,200.00	\$70,800.00
4) FTR INTERNATIONAL, INC.	\$	100,000.00	\$ 1,400.00	\$82,600.00

1) AVERAGE BID	\$	142,500.00	\$ 1,412.50	\$ 83,337.50
2) STANDARD DEVIATION	\$	65,510.81	\$ 417.08	\$ 24,607.90
3) ENG. EST. - LOW BIDDER	\$	-	\$ (350.00)	\$ (20,650.00)

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LA WATERFRONT-DOWNTOWN HARBOR-WA  
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	ITEM 5		ITEM 6			
	DRY EXCAVATION		DREDGING			
	Cu. Yds.	Approx. Qty. =	18000	Cu. Yds.	Approx. Qty. =	64200
ENGINEERING ESTIMATE	\$ 35.00	\$630,000.00	\$ 35.00	\$2,247,000.00		
1) REYES CONSTRUCTION, INC.	\$ 41.00	\$738,000.00	\$ 42.00	\$2,696,400.00		
2) DUTRA CONSTRUCTION CO., INC.	\$ 26.00	\$468,000.00	\$ 26.00	\$1,669,200.00		
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 32.00	\$576,000.00	\$ 34.00	\$2,182,800.00		
4) FTR INTERNATIONAL, INC.	\$ 17.50	\$315,000.00	\$ 37.00	\$2,375,400.00		
1) AVERAGE BID	\$ 29.13	\$ 524,250.00	\$ 34.75	\$ 2,230,950.00		
2) STANDARD DEVIATION	\$ 9.90	\$ 178,247.72	\$ 6.70	\$ 430,267.74		
3) ENG. EST. - LOW BIDDER	\$ (6.00)	\$ (108,000.00)	\$ (7.00)	\$ (449,400.00)		

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	ITEM 7		ITEM 8	
	DREDGE CONTAINMENT		TIMBER WHARF MODIFICATION	
	LUMP SUM		LUMP SUM	
ENGINEERING ESTIMATE	\$	50,000.00	\$	180,000.00
1) REYES CONSTRUCTION, INC.	\$	50,000.00	\$	140,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$	83,000.00	\$	50,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$	380,000.00	\$	120,000.00
4) FTR INTERNATIONAL, INC.	\$	55,800.00	\$	120,000.00
1) AVERAGE BID	\$	142,200.00	\$	107,500.00
2) STANDARD DEVIATION	\$	159,184.67	\$	39,475.73
3) ENG. EST. - LOW BIDDER	\$	-	\$	40,000.00

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	ITEM 9		ITEM 10	
	FURNISH TIMBER PILES		INSTALL TIMBER PILES	
	Lin. Ft. Approx. Qty. =	1450	Each Approx. Qty. =	16
ENGINEERING ESTIMATE	\$ 35.00	\$50,750.00	\$ 3,500.00	\$56,000.00
1) REYES CONSTRUCTION, INC.	\$ 40.00	\$58,000.00	\$ 6,000.00	\$96,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 90.00	\$130,500.00	\$ 3,000.00	\$48,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 35.00	\$50,750.00	\$ 5,000.00	\$80,000.00
4) FTR INTERNATIONAL, INC.	\$ 55.00	* \$72,500.00 \$79,750.00	\$ 4,500.00	\$72,000.00
1) AVERAGE BID	\$ 55.00	\$ 79,750.00	\$ 4,625.00	\$ 74,000.00
2) STANDARD DEVIATION	\$ 24.83	\$ 36,007.52	\$ 1,250.00	\$ 20,000.00
3) ENG. EST. - LOW BIDDER	\$ (5.00)	\$ (7,250.00)	\$ (2,500.00)	\$ (40,000.00)

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LA WATERFRONT-DOWNTOWN HARBOR-WA

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	ITEM 11		ITEM 12	
	HZ-AZ COMBINATION WALL		INTERIM SHEET PILE WALL	
	Lin. Ft. Approx. Qty. =	710	Lin. Ft. Approx. Qty. =	80
ENGINEERING ESTIMATE	\$ 3,200.00	\$2,272,000.00	\$ 3,000.00	\$240,000.00
1) REYES CONSTRUCTION, INC.	\$ 3,200.00	\$2,272,000.00	\$ 3,200.00	\$256,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 3,550.00	\$2,520,500.00	\$ 3,780.00	\$302,400.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 4,200.00	\$2,982,000.00	\$ 6,800.00	\$544,000.00
4) FTR INTERNATIONAL, INC.	\$ 2,670.00	\$1,895,700.00	\$ 2,670.00	\$213,600.00
1) AVERAGE BID	\$ 3,405.00	\$ 2,417,550.00	\$ 4,112.50	\$ 329,000.00
2) STANDARD DEVIATION	\$ 641.69	\$ 455,600.24	\$ 1,848.12	\$ 147,849.83
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ (200.00)	\$ (16,000.00)

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	ITEM 13		ITEM 14	
	SOIL STABILIZATION		CONCRETE CAP	
	LUMP SUM		Cu. Yds. Approx. Qty. =	320
ENGINEERING ESTIMATE	\$ 4,300,000.00	\$ 850.00		\$272,000.00
1) REYES CONSTRUCTION, INC.	\$ 2,478,651.00	\$ 1,875.00		\$600,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 2,700,000.00	\$ 1,260.00		\$403,200.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 2,400,000.00	\$ 1,400.00		\$448,000.00
4) FTR INTERNATIONAL, INC.	\$ 2,015,000.00	\$ 753.00		\$240,960.00

1) AVERAGE BID	\$ 2,398,412.75	\$ 1,322.00	\$	423,040.00
2) STANDARD DEVIATION	\$ 285,424.19	\$ 461.70	\$	147,743.69
3) ENG. EST. - LOW BIDDER	\$ 1,821,349.00	\$(1,025.00)	\$	(328,000.00)

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	ITEM 15		ITEM 16
	REMOVE & DISPOSE OF EXISTING ROCK SLOPE PROTECTION		TEMPORARY ELECTRIC SERVICE
	Tons Approx. Qty. = 4000		LUMP SUM
ENGINEERING ESTIMATE	\$ 25.00	\$100,000.00	\$ 1,200,000.00
1) REYES CONSTRUCTION, INC.	\$ 24.00	\$96,000.00	\$ 10.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 80.00	\$320,000.00	\$ 675,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 30.00	\$120,000.00	\$ -
4) FTR INTERNATIONAL, INC.	\$ 16.50	\$66,000.00	\$ 485,500.00

1) AVERAGE BID	\$ 37.63	\$ 150,500.00	\$ 290,127.50
2) STANDARD DEVIATION	\$ 28.78	\$ 115,139.05	\$ 343,821.36
3) ENG. EST. - LOW BIDDER	\$ 1.00	\$ 4,000.00	\$ 1,199,990.00

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	ITEM 17		ITEM 18	
	JET GROUTING SPOILS DISPOSAL		RAILROAD FLAGPERSON (CONTINGENCY ITEM)	
	Cu. Yds. Approx. Qty. =	24000	Days Approx. Qty. =	50
ENGINEERING ESTIMATE	\$ 10.00	\$240,000.00	\$ 650.00	\$32,500.00
1) REYES CONSTRUCTION, INC.	\$ 3.00	\$72,000.00	\$ 1,000.00	\$50,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 8.50	\$204,000.00	\$ 800.00	\$40,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 7.00	\$168,000.00	\$ 800.00	\$40,000.00
4) FTR INTERNATIONAL, INC.	\$ 10.63	\$255,120.00	\$ 850.00	\$42,500.00

1) AVERAGE BID	\$ 7.28	\$ 174,780.00	\$ 862.50	\$ 43,125.00
2) STANDARD DEVIATION	\$ 3.22	\$ 77,283.07	\$ 94.65	\$ 4,732.42
3) ENG. EST. - LOW BIDDER	\$ 7.00	\$ 168,000.00	\$ (350.00)	\$ (17,500.00)

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	ITEM 19		ITEM 20	
	SAMPLING RISK LEVEL 2 WATER QUALITY & ANALYSIS FOR RAIN EVENTS (CONTINGENCY ITEM)		EXCAVATE, DISPOSE, & REPLACE GEOTECHNICALLY UNSUITABLE SOIL (ALLOWANCE ITEM)	
	Rain Events Approx. Qty. =	35	LUMP SUM	
ENGINEERING ESTIMATE	\$1,500.00	\$52,500.00	\$	100,000.00
1) REYES CONSTRUCTION, INC.	\$ 600.00	\$21,000.00	\$	100,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$1,500.00	\$52,500.00	\$	100,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 700.00	\$24,500.00	\$	100,000.00
4) FTR INTERNATIONAL, INC.	\$ 750.00	\$26,250.00	\$	100,000.00
1) AVERAGE BID	\$ 887.50	\$ 31,062.50	\$	100,000.00
2) STANDARD DEVIATION	\$ 413.07	\$ 14,457.37	\$	-
3) ENG. EST. - LOW BIDDER	\$ 900.00	\$ 31,500.00	\$	-

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	ITEM 21	ITEM 22
	EXCAVATE, REMO, & DISP, OR RECY CA HAZ WASTE SOIL, RESOURCES CONSERVATION & RECOVERY ACT (RCRA) HAZ WASTE SOIL, OR CHEM IMPACTED/NON-HAZ WASTE SOIL (ALLOWANCE ITEM) LUMP SUM	PERFORM WORK ASSOCIATED W/REGULATORY AGENCIES CHANGES & ADD'L REQUIREMENTS (ALLOWANCE ITEM) LUMP SUM
ENGINEERING ESTIMATE	\$ 350,000.00	\$ 150,000.00
1) REYES CONSTRUCTION, INC.	\$ 350,000.00	\$ 150,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 350,000.00	\$ 150,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 350,000.00	\$ 150,000.00
4) FTR INTERNATIONAL, INC.	\$ 350,000.00	\$ 150,000.00
1) AVERAGE BID	\$ 350,000.00	\$ 150,000.00
2) STANDARD DEVIATION	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -

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	ITEM 23	ITEM 24
	UNFORESEEN OBSTRUCTIONS (ALLOWANCE ITEM) LUMP SUM	PERFORM UNFORESEEN UTILITY & SUBSTRUCTURE MODIFICATIONS, REMOVALS, AND ADDITIONS (ALLOWANCE ITEM) LUMP SUM
ENGINEERING ESTIMATE	\$ 250,000.00	\$ 300,000.00
1) REYES CONSTRUCTION, INC.	\$ 250,000.00	\$ 300,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 250,000.00	\$ 300,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 250,000.00	\$ 300,000.00
4) FTR INTERNATIONAL, INC.	\$ 250,000.00	\$ 300,000.00
1) AVERAGE BID	\$ 250,000.00	\$ 300,000.00
2) STANDARD DEVIATION	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -

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	ITEM 25	ITEM 26
	WEB-BASED COLLABORATION (ALLOWANCE ITEM) LUMP SUM	MONITORING, SAMPLING, TESTING, & REPORTING WORK REQUIRED FOR DREDGING (ALLOWANCE ITEM) LUMP SUM
ENGINEERING ESTIMATE	\$ 25,000.00	\$ 50,000.00
1) REYES CONSTRUCTION, INC.	\$ 25,000.00	\$ 50,000.00
2) DUTRA CONSTRUCTION CO., INC.	\$ 25,000.00	\$ 50,000.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$ 25,000.00	\$ 50,000.00
4) FTR INTERNATIONAL, INC.	\$ 25,000.00	\$ 50,000.00

1) AVERAGE BID	\$ 25,000.00	\$ 50,000.00
2) STANDARD DEVIATION	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -

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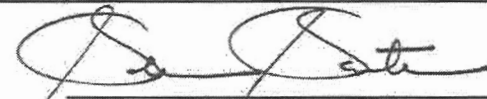
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	ITEM 27		GRAND TOTAL
	WEBCAM		BID ITEMS 1 - 27
	(ALLOWANCE ITEM) LUMP SUM		
ENGINEERING ESTIMATE	\$	75,000.00	\$14,582,100.00
1) REYES CONSTRUCTION, INC.	\$	75,000.00	\$12,284,861.00
2) DUTRA CONSTRUCTION CO., INC.	\$	75,000.00	\$13,128,450.00
3) VORTEX MARINE CONSTRUCTION, INC.	\$	75,000.00	* \$15,457,666.00 \$14,167,666.00
4) FTR INTERNATIONAL, INC.	\$	75,000.00	* \$14,999,130.00 \$15,006,380.00

1) AVERAGE BID	\$	75,000.00	\$	13,646,839.25
2) STANDARD DEVIATION	\$	-	\$	1,189,302.84
3) ENG. EST. - LOW BIDDER	\$	-	\$	2,297,239.00

\* AS IN BID

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SHAUN SHAHRESTANI  
 CHIEF HARBOR ENGINEER  
 CONSTRUCTION DIVISION