

**INTERGRATED INTERMODAL TRANSPORTATION INFRASTRUCTURE IMPROVEMENTS PROJECT**  
**JOBS CREATION TABLE**  
**MEDIUM AND LONG-TERM DIRECT ECONOMIC BENEFITS OF THE REQUESTED GRANT FUNDS (\$36.345 MILLION)**

Project Element:	Avg. Cost (hourly <sup>1,2,3</sup> )	Avg. Cost (annual <sup>4,5</sup> )	Adjusted Wage (annual <sup>6</sup> )	Marine Highway (short sea shipping) - \$36.435				Expanded Import/Export Cargoes				Offshore Wind Energy Support					
				Personnel	Utilization	# FTEs	Annual Wages	Personnel	Utilization	# FTEs	Annual Wages	Personnel	Utilization	# FTEs	Annual Wages		
Port Administration	Project Manager/Director	\$43.25	\$89,960.00	\$89,960.00	1	15%	0.15	\$13,494.00	1	5%	0.05	\$ 4,498.00	1	30%	0.3	\$26,988.00	
	Asst. Project Manager	\$17.78	\$36,982.40	\$36,982.40	1	15%	0.15	\$5,547.36	1	5%	0.05	\$ 1,849.12	1	30%	0.3	\$11,094.72	
	Engineer	\$34.76	\$72,300.80	\$72,300.80		15%	0	\$0.00		5%	0	\$ -		30%	0	\$0.00	
	Accountant/Cost Manager	\$15.69	\$32,635.20	\$32,635.20	1	15%	0.15	\$4,895.28	1	5%	0.05	\$ 1,631.76	1	30%	0.3	\$9,790.56	
	Administrative	\$17.34	\$36,067.20	\$36,067.20	2	15%	0.3	\$10,820.16	1	5%	0.05	\$ 1,803.36	2	30%	0.6	\$21,640.32	
	Port Superintendent	\$25.91	\$53,892.80	\$53,892.80	2	15%	0.3	\$16,167.84	1	5%	0.05	\$ 2,694.64	2	30%	0.6	\$32,335.68	
	Port Assistant	\$16.15	\$33,592.00	\$33,592.00	2	15%	0.3	\$10,077.60	1	5%	0.05	\$ 1,679.60	2	30%	0.6	\$20,155.20	
	Sargent - Marine Security	\$46.41	\$96,532.80	\$96,532.80	1	15%	0.15	\$14,479.92		5%	0	\$ -	1	30%	0.3	\$28,959.84	
	Staff - Marine Security	\$34.28	\$71,302.40	\$71,302.40	2	15%	0.3	\$21,390.72		5%	0	\$ -	1	30%	0.3	\$21,390.72	
	Procurement Officer	\$18.84	\$39,187.20	\$39,187.20	1	15%	0.15	\$5,878.08		5%	0	\$ -	1	30%	0.3	\$11,756.16	
	Environmental Manager	\$28.13	\$58,510.40	\$58,510.40	2	15%	0.3	\$17,553.12		5%	0	\$ -	2	30%	0.6	\$35,106.24	
	Conservation Commission Agent	\$31.00	\$64,480.00	\$64,480.00	1	15%	0.15	\$9,672.00		5%	0	\$ -	1	30%	0.3	\$19,344.00	
	Economic Development Director	\$42.40	\$88,192.00	\$88,192.00	1	15%	0.15	\$13,228.80		5%	0	\$ -	1	30%	0.3	\$26,457.60	
	Public Infrastructure - Director	\$42.12	\$87,609.60	\$87,609.60	1	15%	0.15	\$13,141.44		5%	0	\$ -	1	30%	0.3	\$26,282.88	
	Public Infrastructure - Superintendent	\$34.68	\$72,134.40	\$72,134.40	1	15%	0.15	\$10,820.16		5%	0	\$ -	3	30%	0.9	\$64,920.96	
	Public Infrastructure - Staff	\$20.95	\$43,576.00	\$43,576.00	1	15%	0.15	\$6,536.40		5%	0	\$ -	3	30%	0.9	\$39,218.40	
	Office Professional	Office Manager	\$89.85	\$186,888.00	\$137,792.52	3	100%	3	\$560,664.00		50%	0	\$ -	1	100%	1	\$137,792.52
		Controls Engineer	\$61.25	\$127,400.00	\$93,932.02	2	100%	2	\$254,800.00		100%	0	\$ -	3	100%	3	\$281,796.06
Administrator		\$39.50	\$82,160.00	\$60,576.57	3	100%	3	\$246,480.00		100%	0	\$ -	3	100%	3	\$181,729.70	
QA/QC Manager		\$68.85	\$143,208.00	\$105,587.26	5	100%	5	\$716,040.00		100%	0	\$ -	3	100%	3	\$316,761.78	
Health & Safety Officer		\$70.25	\$146,120.00	\$107,734.28	5	100%	5	\$730,600.00		100%	0	\$ -	3	100%	3	\$323,202.83	
Health & Safety Staff		\$58.25	\$121,160.00	\$89,331.27	5	100%	5	\$605,800.00		100%	0	\$ -	4	100%	4	\$357,325.07	
(2 AXLE) DRIVER -EQUIPMENT		\$42.33	\$64,341.60	\$47,439.06		100%	0	\$0.00		100%	0	\$ -		100%	0	\$0.00	
(3 AXLE) DRIVER -EQUIPMENT		\$42.40	\$64,448.00	\$47,517.51		100%	0	\$0.00		100%	0	\$ -		100%	0	\$0.00	
(4 & 5 AXLE) DRIVER -EQUIPMENT		\$42.52	\$64,630.40	\$47,651.99	120	25%	30	\$1,938,912.00	184	25%	46	\$ 2,191,991.72	60	25%	15	\$714,779.91	
BOAT OPERATOR		\$32.84	\$49,916.80	\$36,803.66	22	100%	22	\$1,098,169.60	74	100%	74	\$ 2,723,470.59	24	25%	6	\$220,821.94	
BOILERMAKER	\$54.80	\$83,296.00	\$61,414.14	2	100%	2	\$166,592.00		25%	0	\$ -	2	100%	2	\$122,828.28		
CARPENTER	\$52.77	\$80,210.40	\$59,139.13	2	100%	2	\$160,420.80		25%	0	\$ -	2	100%	2	\$118,278.26		
CHIEF WELDER/CHIEF MATE	\$36.34	\$55,236.80	\$40,726.09	2	100%	2	\$110,473.60	8	25%	2	\$ 81,452.19	1	100%	1	\$40,726.09		
DERRICK/SPIDER/SPILLBARGE OPERATOR	\$36.34	\$55,236.80	\$40,726.09		100%	0	\$0.00		25%	0	\$ -		100%	0	\$0.00		
DRAG BARGE OPERATOR/WELDER/MATE	\$33.69	\$51,208.80	\$37,756.25	2	100%	2	\$102,417.60	8	25%	2	\$ 75,512.50	2	100%	2	\$75,512.50		
MACHINES COMPRESSOR OPERATOR	\$44.95	\$68,324.00	\$50,375.29	2	100%	2	\$136,648.00	8	25%	2	\$ 100,750.57	2	100%	2	\$100,750.57		
MARINE: CRANE/EXCAVATOR/PILEDRIER	\$54.49	\$82,824.80	\$61,066.73		100%	0	\$0.00	8	25%	2	\$ 122,133.45	3	100%	3	\$183,200.18		
MARINE: TENDER/BACKHOE/CRANE	\$44.95	\$68,324.00	\$50,375.29		100%	0	\$0.00		100%	0	\$ -	2	100%	2	\$100,750.57		
MARINE: TUG/VESSEL OPERATOR	\$47.53	\$72,245.60	\$53,266.68	2	100%	2	\$144,491.20		100%	0	\$ -	4	100%	4	\$213,066.72		
ENGINEER/ELECTRICIAN	\$36.34	\$55,236.80	\$40,726.09	2	100%	2	\$110,473.60	12	25%	3	\$ 122,178.28	2	100%	2	\$81,452.19		
FIREMAN	\$52.83	\$80,301.60	\$59,206.37	2	100%	2	\$160,603.20		100%	0	\$ -	2	100%	2	\$118,412.74		
FLAGGER & SIGNALER	\$34.05	\$51,756.00	\$38,159.70	2	100%	2	\$103,512.00	12	25%	3	\$ 114,479.10	2	100%	2	\$76,319.40		
FORK LIFT/CHERRY PICKER	\$54.49	\$82,824.80	\$61,066.73	2	100%	2	\$165,649.60		100%	0	\$ -	2	100%	2	\$122,133.45		
GENERATOR/LIGHTING PLANT/HEATERS	\$44.95	\$68,324.00	\$50,375.29	1	100%	1	\$68,324.00	8	25%	2	\$ 100,750.57		100%	0	\$0.00		
HOISTING ENGINEER/CRANES/GRADALLS	\$54.19	\$82,368.80	\$60,730.52	2	100%	2	\$164,737.60		100%	0	\$ -	2	100%	2	\$121,461.03		
HVAC MECHANIC	\$44.50	\$67,640.00	\$49,870.97	1	100%	1	\$67,640.00	8	25%	2	\$ 99,741.94	2	100%	2	\$99,741.94		
IRONWORKER/WELDER	\$48.55	\$73,796.00	\$54,409.79	2	100%	2	\$147,592.00		100%	0	\$ -	2	100%	2	\$108,819.58		
LABORER	\$40.00	\$60,800.00	\$44,827.84	5	100%	5	\$304,000.00	6	100%	6	\$ 268,967.04	20	50%	10	\$448,278.40		
LABORER: MULTI-TRADE TENDER /STEVEDORE	\$40.00	\$60,800.00	\$44,827.84	23	100%	23	\$1,398,400.00	15	100%	15	\$ 672,417.60	7	100%	7	\$313,794.88		
LICENSED BOAT OPERATOR/CERTIFIED WELDER	\$36.69	\$55,768.80	\$41,118.34	2	100%	2	\$111,537.60	4	100%	4	\$ 164,473.34		100%	0	\$0.00		
LICENSED TUG OPERATOR OVER 1000 HP	\$36.34	\$55,236.80	\$40,726.09	2	100%	2	\$110,473.60	5	100%	5	\$ 203,630.46	5	100%	5	\$203,630.46		
MAINTENANCE ENGINEER	\$36.34	\$55,236.80	\$40,726.09	2	100%	2	\$110,473.60	2	100%	2	\$ 81,452.19		100%	0	\$0.00		
MECH. SWEEPER OPERATOR (NON-CONSTRUCTION)	\$28.30	\$43,016.00	\$31,715.70	2	100%	2	\$86,032.00	5	100%	5	\$ 158,578.48		100%	0	\$0.00		
MECHANICS MAINTENANCE	\$54.19	\$82,368.80	\$60,730.52	2	100%	2	\$164,737.60		100%	0	\$ -		100%	0	\$0.00		
MILLWRIGHT (Zone 2)	\$52.54	\$79,860.80	\$58,881.37	1	100%	1	\$79,860.80	4	100%	4	\$ 234,371.40		100%	0	\$0.00		
OILER	\$28.34	\$43,076.80	\$31,760.52	2	100%	2	\$86,153.60	4	100%	4	\$ 127,042.10	2	100%	2	\$63,521.05		
OPERATOR/LEVERMAN	\$40.74	\$61,924.80	\$45,657.16	1	100%	1	\$61,924.80	5	100%	5	\$ 228,285.78	4	100%	4	\$182,628.62		
PAINTER / TAPER (BRUSH, NEW)	\$51.86	\$78,827.20	\$58,119.29	2	100%	2	\$157,654.40		100%	0	\$ -	2	100%	2	\$116,238.59		
PANEL & PICKUP TRUCKS DRIVER	\$42.16	\$64,083.20	\$47,248.54		100%	0	\$0.00	7	100%	7	\$ 330,739.80		100%	0	\$0.00		
PLUMBER & PIPEFITTER	\$57.10	\$86,792.00	\$63,991.74		100%	0	\$0.00		100%	0	\$ -	2	100%	2	\$127,983.48		
RODMAN/SCOWMAN	\$28.34	\$43,076.80	\$31,760.52		100%	0	\$0.00	3	100%	3	\$ 95,281.57		100%	0	\$0.00		
SHEETMETAL WORKER	\$50.58	\$76,881.60	\$56,684.80	2	100%	2	\$164,449.74		100%	0	\$ -	2	100%	2	\$113,369.61		
SHOREMAN/DECKHAND	\$28.34	\$43,076.80	\$31,760.52	20	100%	20	\$861,536.00	50	100%	50	\$ 1,588,026.23	24	50%	12	\$381,126.30		
STEAM BOILER OPERATOR	\$58.28	\$88,585.60	\$65,314.16	2	100%	2	\$177,171.20		100%	0	\$ -	4	100%	4	\$274,319.48		
TELECOMMUNICATIONS TECHNICIAN	\$44.69	\$67,928.80	\$50,083.90	2	100%	2	\$135,857.60	2	100%	2	\$ 100,167.81	3	100%	3	\$162,021.43		
<b>TOTALS:</b>						<b>174</b>	<b>\$12,145,006.22</b>				<b>250</b>	<b>\$10,000,051.19</b>			<b>130</b>	<b>\$7,000,016.89</b>	

NOTES:

- 1) Project Administration Personnel: City of New Bedford Wages Database and Town of Fairhaven Website
- 2) Professional Personnel: RSMears Book for 2008
- 3) Construction Personnel: "Prevailing Wage Rates" - Commonwealth of Massachusetts Executive Office of Labor and Workforce Development - 2008
- 4) Annual Wage for Professional Personnel based upon 38 hours per week.
- 5) Annual Wage for Construction Personnel based upon 38 weeks per year.
- 6) Adjusted wage removes fringe (estimated at 26.27%) from annual cost as a non-direct economic benefit.
- 7) For America's Marine Highway, average wage category utilized to calculate anticipated wages generated.

DATA SOURCES:

- 1) Reeve & Associates, "Analysis of the Potential Market for Short Sea Shipping over the Ports of Fall River and New Bedford", March 29, 2006
- 2) HR&A Advisors, "New Bedford Market and Economic Analysis", 2009
- 3) FXM Associates, "Potential Economic Effects of Dredging New Bedford Harbor", September 15, 2004
- 4) Global Insight, "Economic Impact Analysis of the Cape Wind Off-Shore Renewable Energy Project", April 2, 2003

**INTERGRATED INTERMODAL TRANSPORTATION INFRASTRUCTURE IMPROVEMENTS PROJECT**

**JOBS CREATION TABLE**

**MEDIUM AND LONG-TERM DIRECT ECONOMIC BENEFITS OF THE OVERALL (\$119.185 MILLION) PROJECT**

	Project Activity:			Marine Highway (short sea shipping) - \$119.185 Million					Expanded Import/Export Cargoes				Offshore Wind Energy Support				
	Personnel/Classification	Avg. Cost (hourly <sup>1,2,3</sup> )	Avg. Cost (annual <sup>4,5</sup> )	Adjusted Wage (annual <sup>6</sup> )	# Personnel	Duration (% yr)	Percent Utilization	# FTEs	Annual Wages	# Personnel	Percent Utilization	# FTEs	Annual Wages	# Personnel	Percent Utilization	# FTEs	Annual Wages
Port Administration	Project Manager/Director	\$43.25	\$89,960.00	\$89,960.00	1	100%	15%	0.15	\$13,494.00	1	5%	0.05	\$ 4,498.00	1	30%	0.3	\$26,988.00
	Asst. Project Manager	\$17.78	\$36,982.40	\$36,982.40	1	100%	15%	0.15	\$5,547.36	1	5%	0.05	\$ 1,849.12	1	30%	0.3	\$11,094.72
	Engineer	\$34.76	\$72,300.80	\$72,300.80		100%	15%		\$0.00		5%	0	\$ -		30%	0	\$0.00
	Accountant/Cost Manager	\$15.69	\$32,635.20	\$32,635.20	1	100%	15%	0.15	\$4,895.28	1	5%	0.05	\$ 1,631.76	1	30%	0.3	\$9,790.56
	Administrative	\$17.34	\$36,067.20	\$36,067.20	6	100%	15%	0.9	\$32,460.48	1	5%	0.05	\$ 1,803.36	2	30%	0.6	\$21,640.32
	Port Superintendent	\$25.91	\$53,892.80	\$53,892.80	6	100%	15%	0.9	\$48,503.52	1	5%	0.05	\$ 2,694.64	2	30%	0.6	\$32,335.68
	Port Assistant	\$16.15	\$33,592.00	\$33,592.00	6	100%	15%	0.9	\$30,232.80	1	5%	0.05	\$ 1,679.60	2	30%	0.6	\$20,155.20
	Sargent - Marine Security	\$46.41	\$96,532.80	\$96,532.80	3	100%	15%	0.45	\$43,439.76		5%	0	\$ -	1	30%	0.3	\$28,959.84
	Staff - Marine Security	\$34.28	\$71,302.40	\$71,302.40	3	100%	15%	0.45	\$32,086.08		5%	0	\$ -	1	30%	0.3	\$21,390.72
	Procurement Officer	\$18.84	\$39,187.20	\$39,187.20	3	100%	15%	0.45	\$17,634.24		5%	0	\$ -	1	30%	0.3	\$11,756.16
	Environmental Manager	\$28.13	\$58,510.40	\$58,510.40	6	100%	15%	0.9	\$52,659.36		5%	0	\$ -	2	30%	0.6	\$35,106.24
	Conservation Commission Agent	\$31.00	\$64,480.00	\$64,480.00	3	100%	15%	0.45	\$29,016.00		5%	0	\$ -	1	30%	0.3	\$19,344.00
	Economic Development Director	\$42.40	\$88,192.00	\$88,192.00	3	100%	15%	0.45	\$39,686.40		5%	0	\$ -	1	30%	0.3	\$26,457.60
	Public Infrastructure - Director	\$42.12	\$87,609.60	\$87,609.60	3	100%	15%	0.45	\$39,424.32		5%	0	\$ -	1	30%	0.3	\$26,282.88
	Public Infrastructure - Superintendent	\$34.68	\$72,134.40	\$72,134.40	6	100%	15%	0.9	\$64,920.96		5%	0	\$ -	3	30%	0.9	\$64,920.96
Public Infrastructure - Staff	\$20.95	\$43,576.00	\$43,576.00	6	100%	15%	0.9	\$39,218.40		5%	0	\$ -	3	30%	0.9	\$39,218.40	
Office Professional	Office Manager	\$89.85	\$186,888.00	\$137,792.52	6	100%	100%	6	\$1,121,328.00		50%	0	\$ -	1	100%	1	\$137,792.52
	Controls Engineer	\$61.25	\$127,400.00	\$93,932.02	6	100%	100%	6	\$764,400.00		100%	0	\$ -	3	100%	3	\$281,796.06
	Administrator	\$39.50	\$82,160.00	\$60,576.57	6	100%	100%	6	\$492,960.00		100%	0	\$ -	3	100%	3	\$181,729.70
	QA/QC Manager	\$68.85	\$143,208.00	\$105,587.26	6	100%	100%	6	\$859,248.00		100%	0	\$ -	3	100%	3	\$316,761.78
	Health & Safety Officer	\$70.25	\$146,120.00	\$107,734.28	10	100%	100%	10	\$1,461,200.00		100%	0	\$ -	3	100%	3	\$323,202.83
	Health & Safety Staff	\$58.25	\$121,160.00	\$89,331.27	10	100%	100%	10	\$1,211,600.00		100%	0	\$ -	4	100%	4	\$357,325.07
	(2 AXLE) DRIVER -EQUIPMENT	\$42.33	\$64,341.60	\$47,439.06		100%	100%	0	\$0.00		100%	0	\$ -		100%	0	\$0.00
(3 AXLE) DRIVER -EQUIPMENT	\$42.40	\$64,448.00	\$47,517.51		100%	100%	0	\$0.00		100%	0	\$ -		100%	0	\$0.00	
(4 & 5 AXLE) DRIVER -EQUIPMENT	\$42.52	\$64,630.40	\$47,651.99	165	100%	100%	165	\$10,664,016.00	184	25%	46	\$ 2,191,991.72	60	25%	15	\$714,779.91	
BOILER OPERATOR	\$32.84	\$49,916.80	\$36,803.66	55	100%	100%	55	\$2,745,424.00	74	100%	74	\$ 2,723,470.59	24	25%	6	\$220,821.94	
BOILERMAKER	\$54.80	\$83,296.00	\$61,414.14	6	100%	100%	6	\$499,776.00		25%	0	\$ -	2	100%	2	\$122,828.28	
CARPENTER	\$52.77	\$80,210.40	\$59,139.13	12	100%	100%	12	\$962,524.80		25%	0	\$ -	2	100%	2	\$118,278.26	
CHIEF WELDER/CHIEF MATE	\$36.34	\$55,236.80	\$40,726.09	6	100%	100%	6	\$331,420.80	8	25%	2	\$ 81,452.19	1	100%	1	\$40,726.09	
DERRICK/SPIDER/SPILLBARGE OPERATOR	\$36.34	\$55,236.80	\$40,726.09		100%	100%	0	\$0.00		25%	0	\$ -		100%	0	\$0.00	
DRAG BARGE OPERATOR/WELDER/MATE	\$33.69	\$51,208.80	\$37,756.25	9	100%	100%	9	\$460,879.20	8	25%	2	\$ 75,512.50	2	100%	2	\$75,512.50	
MACHINES COMPRESSOR OPERATOR	\$44.95	\$68,324.00	\$50,375.29	9	100%	100%	9	\$614,916.00	8	25%	2	\$ 100,750.57	2	100%	2	\$100,750.57	
MARINE: CRANE/EXCAVATOR/PILEDRIIVER	\$54.49	\$82,824.80	\$61,066.73	7	100%	100%	7	\$579,773.60	8	25%	2	\$ 122,133.45	3	100%	3	\$183,200.18	
MARINE: TENDER/BACKHOE/CRANE	\$44.95	\$68,324.00	\$50,375.29		100%	100%	0	\$0.00		100%	0	\$ -	2	100%	2	\$100,750.57	
MARINE: TUG/VESSEL OPERATOR	\$47.53	\$72,245.60	\$53,266.68	15	100%	100%	15	\$1,083,684.00		100%	0	\$ -	4	100%	4	\$213,066.72	
ENGINEER/ELECTRICIAN	\$36.34	\$55,236.80	\$40,726.09	6	100%	100%	6	\$331,420.80	12	25%	3	\$ 122,178.28	2	100%	2	\$81,452.19	
FIREMAN	\$52.83	\$80,301.60	\$59,206.37	6	100%	100%	6	\$481,809.60		100%	0	\$ -	2	100%	2	\$118,412.74	
FLAGGER & SIGNALER	\$34.05	\$51,756.00	\$38,159.70	6	100%	100%	6	\$310,536.00	12	25%	3	\$ 114,479.10	2	100%	2	\$76,319.40	
FORK LIFT/CHERRY PICKER	\$54.49	\$82,824.80	\$61,066.73	16	100%	100%	16	\$1,325,196.80		100%	0	\$ -	2	100%	2	\$122,133.45	
GENERATOR/LIGHTING PLANT/HEATERS	\$44.95	\$68,324.00	\$50,375.29	3	100%	100%	3	\$204,972.00	8	25%	2	\$ 100,750.57		100%	0	\$0.00	
HOISTING ENGINEER/CRANES/GRADALLS	\$54.19	\$82,368.80	\$60,730.52	15	100%	100%	15	\$1,235,532.00		100%	0	\$ -	2	100%	2	\$121,461.03	
HVAC MECHANIC	\$44.50	\$67,640.00	\$49,870.97	3	100%	100%	3	\$202,920.00	8	25%	2	\$ 99,741.94	2	100%	2	\$99,741.94	
IRONWORKER/WELDER	\$48.55	\$73,796.00	\$54,409.79	6	100%	100%	6	\$442,776.00		100%	0	\$ -	2	100%	2	\$108,819.58	
LABORER	\$40.00	\$60,800.00	\$44,827.84	50	100%	100%	50	\$3,040,000.00	6	84%	6	\$ 268,967.04	20	50%	10	\$448,278.40	
LABORER: MULTI-TRADE TENDER /STEVEDORE	\$40.00	\$60,800.00	\$44,827.84	15	100%	100%	15	\$912,000.00	15	100%	15	\$ 672,417.60	7	100%	7	\$313,794.88	
LICENSED BOAT OPERATOR/CERTIFIED WELDER	\$36.69	\$55,768.80	\$41,118.34	9	100%	100%	9	\$501,919.20	4	100%	4	\$ 164,473.34		100%	0	\$0.00	
LICENSED TUG OPERATOR OVER 1000 HP	\$36.34	\$55,236.80	\$40,726.09	9	100%	100%	9	\$497,131.20	5	100%	5	\$ 203,630.46	5	100%	5	\$203,630.46	
MAINTENANCE ENGINEER	\$36.34	\$55,236.80	\$40,726.09	5	100%	100%	5	\$276,184.00	2	100%	2	\$ 81,452.19		100%	0	\$0.00	
MECH. SWEEPER OPERATOR (NON-CONSTRUCTION)	\$28.30	\$43,016.00	\$31,715.70		100%	100%	0	\$0.00	5	100%	5	\$ 158,578.48		100%	0	\$0.00	
MECHANICS MAINTENANCE	\$54.19	\$82,368.80	\$60,730.52	14	100%	100%	14	\$1,153,163.20		100%	0	\$ -		100%	0	\$0.00	
MILLWRIGHT (Zone 2)	\$52.54	\$79,860.80	\$58,881.37	6	100%	100%	6	\$479,164.80	4	100%	4	\$ 234,371.40		100%	0	\$0.00	
OILER	\$28.34	\$43,076.80	\$31,760.52	9	100%	100%	9	\$387,691.20	4	100%	4	\$ 127,042.10	2	100%	2	\$63,521.05	
OPERATOR/LEVERMAN	\$40.74	\$61,924.80	\$45,657.16		100%	100%	0	\$0.00	5	100%	5	\$ 228,285.78	4	100%	4	\$182,628.62	
PAINTER / TAPER (BRUSH, NEW)	\$51.86	\$78,827.20	\$58,119.29	12	100%	100%	12	\$945,926.40		100%	0	\$ -	2	100%	2	\$116,238.59	
PANEL & PICKUP TRUCKS DRIVER	\$42.16	\$64,083.20	\$47,248.54		100%	100%	0	\$0.00	7	100%	7	\$ 330,739.80		100%	0	\$0.00	
PLUMBER & PIPEFITTER	\$57.10	\$86,792.00	\$63,991.74	5	100%	100%	5	\$433,960.00		100%	0	\$ -	2	100%	2	\$127,983.48	
RODMAN/SCOWMAN	\$28.34	\$43,076.80	\$31,760.52		100%	100%	0	\$0.00	3	100%	3	\$ 95,281.57		100%	0	\$0.00	
SHEETMETAL WORKER	\$50.58	\$76,881.60	\$56,684.80	5	100%	100%	5	\$384,408.00		100%	0	\$ -	2	100%	2	\$113,369.61	
SHOREMAN/DECKHAND	\$28.34	\$43,076.80	\$31,760.52	17	100%	100%	17	\$732,305.60	50	100%	50	\$ 1,588,026.23	24	50%	12	\$381,126.30	
STEAM BOILER OPERATOR	\$58.28	\$88,585.60	\$65,314.16	6	100%	100%	5.9965	\$531,203.55		100%	0	\$ -	4	100%	4	\$274,319.48	
TELECOMMUNICATIONS TECHNICIAN	\$44.69	\$67,928.80	\$50,083.90	8	100%	100%	8	\$543,430.40	2	100%	2	\$ 100,167.81	3	100%	3	\$162,021.43	
<b>TOTALS:</b>								<b>568</b>	<b>\$39,700,020.11</b>			<b>250</b>	<b>\$10,000,051.19</b>			<b>130</b>	<b>\$7,000,016.89</b>

NOTES:

- 1) Project Administration Personnel: City of New Bedford Wages Database and Town of Fairhaven Website
- 2) Professional Personnel: RSMans Book for 2008
- 3) Construction Personnel: "Prevailing Wage Rates" - Commonwealth of Massachusetts Executive Office of Labor and Workforce Development - 2008
- 4) Annual Wage for Professional Personnel based upon 38 hours per week.
- 5) Annual Wage for Construction Personnel based upon 38 weeks per year.
- 6) Adjusted wage removes fringe (estimated at 26.27%) from annual cost as a non-direct economic benefit.
- 7) For America's Marine Highway, average wage category utilized to calculate anticipated wages generated.

DATA SOURCES:

- 1) Reeve & Associates, "Analysis of the Potential Market for Short Sea Shipping over the Ports of Fall River and New Bedford", March 29, 2006
- 2) HR&A Advisors, "New Bedford Market and Economic Analysis", 2009
- 3) FXM Associates, "Potential Economic Effects of Dredging New Bedford Harbor", September 15, 2004
- 4) Global Insight, "Economic Impact Analysis of the Cape Wind Off-Shore Renewable Energy Project", April 2, 2003

**INTEGRATED INTERMODAL TRANSPORTATION  
INFRASTRUCTURE IMPROVEMENTS PROJECT  
JOBS CREATION TABLE - SUMMARY SHEET  
IMMEDIATE JOBS CREATION DURING CONSTRUCTION  
GRANT FUNDS PORTION**

		Anticipated Jobs Generated	Anticipated Wages Generated
<b>Existing North Terminal Infrastructure Enhancements</b>	Final Design and Procurement	3	\$260,503.26
	Reconfiguration Costs	8	\$521,419.72
	Dredging	12	\$814,606.85
	RO/RO Alterations	10	\$575,068.60
	Fill/Off-Site Disposal Costs	4	\$210,097.78
<b>Total:</b>		<b>37</b>	<b>\$2,381,696.21</b>
<b>Rehabilitate Rail Link to State Pier</b>	Borings and Geotechnical Investigation:	4	\$242,290.05
	Final Design and Procurement:	9	\$816,603.84
	Rail Line Rehabilitation:	21	\$1,182,739.77
	Dredging:	5	\$346,648.92
	Fill/Disposal Costs	7	\$345,096.35
<b>Total:</b>		<b>46</b>	<b>\$2,933,378.93</b>
<b>Update and rehabilitate Herman Melville Boulevard</b>	Final Design, Engineering, Procurement	3	\$255,092.28
	Repaving and Sub-Base Work	11	\$715,613.22
	Road Widening	9	\$538,080.50
	Fill/Off-Site Disposal Costs	6	\$376,216.16
<b>Total:</b>		<b>29</b>	<b>\$1,885,002.16</b>
<b>Procure Heavy Cranes and Modify Facilities for RO/RO Compatibility</b>	Final Design, Engineering, Procurement:	4	\$366,638.58
	Heavy Crane Purchase:	19	\$1,326,688.72
	RO/RO Improvements/Alterations:	27	\$1,709,465.12
	Fill/Off-Site Disposal Costs	3	\$131,947.58
<b>Total:</b>		<b>53</b>	<b>\$3,534,740.00</b>
<b>South Terminal Expansion</b>	Engineering Cost:	12	\$998,042.39
	Dredging Cost:	42	\$2,680,086.68
	Pier Improvements:	9	\$582,828.52
	Pier Expansion:	122	\$7,690,142.36
<b>Total:</b>		<b>185</b>	<b>\$11,951,099.95</b>
<b>TOTAL PROJECT:</b>		<b>350</b>	<b>\$22,685,917.24</b>





**INTEGRATED INTERMODAL TRANSPORTATION INFRASTRUCTURE IMPROVEMENTS  
JOBS CREATION TABLE  
IMMEDIATE JOBS CREATED DURING CONSTRUCTION PERIOD - GRANT FUNDS PORTION**

Project Activity	COMPONENT 3 - UPDATE AND REHABILITATE HERMAN MELVILLE BOULEVARD										Road Widening										FH/DR Site Disposal Costs			
	Project Estimate		Final Design, Engineering, Procurement		Repeating and Sub-Base Work		Road Widening		FH/DR Site Disposal Costs		Project Estimate		Final Design, Engineering, Procurement		Repeating and Sub-Base Work		Road Widening		FH/DR Site Disposal Costs					
	Personnel/Classification	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**	Per Hourly**	Per Annual**			
Project Manager/Director	543.25	589,960.00	589,960.00	1	10%	75%	0.075	56,747.00	1	50%	10%	0.05	5	50%	10%	0.05	5	4,488.00	1	15%	10%	0.015	5	1,349.40
Asst. Project Manager	511.78	536,760.00	536,760.00	2	10%	75%	0.15	55,547.00	1	50%	10%	0.05	5	50%	10%	0.05	5	1,809.12	1	15%	10%	0.015	5	1,544.73
Engineer	534.74	572,800.00	572,800.00	3	10%	75%	0.225	516,267.68	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	0
Accountant/Cost Manager	511.69	532,032.00	532,032.00	2	10%	75%	0.15	54,899.28	1	50%	10%	0.05	5	50%	10%	0.05	5	1,631.76	1	15%	10%	0.015	5	244.70
Administrative	517.34	536,907.20	536,907.20	3	10%	75%	0.225	58,115.12	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	808.39
Port Superintendent	521.91	553,892.80	553,892.80	3	10%	75%	0.225	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	211.83
Project Engineer	516.15	533,932.00	533,932.00	3	10%	75%	0.225	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	1,447.09
Superv. - Marine Security	546.41	596,532.00	596,532.00	3	10%	75%	0.225	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	334.77
Staff - Marine Security	534.28	571,302.40	571,302.40	3	10%	75%	0.225	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	0
Procurement Officer	518.84	539,187.20	539,187.20	3	10%	75%	0.225	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	0
Environmental Manager	528.13	558,516.00	558,516.00	2	10%	75%	0.15	58,776.56	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	483.40
Conservation Commission Agent	543.00	584,480.00	584,480.00	1	10%	75%	0.075	54,856.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	0
Economic Development Director	542.40	588,336.00	588,336.00	1	10%	75%	0.075	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	0
Public Infrastructure - Director	544.12	587,609.60	587,609.60	1	10%	75%	0.075	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	1,334.24
Public Infrastructure - Superintendent	534.68	572,394.00	572,394.00	1	10%	75%	0.075	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	1,080.00
Public Infrastructure - Staff	520.95	543,576.00	543,576.00	1	10%	75%	0.075	50,000.00	1	50%	10%	0.05	5	50%	10%	0.05	5	0	0	15%	10%	0.015	5	0
Program Manager	589.85	638,688.00	638,688.00	1	10%	100%	0.1	50,000.00	1	50%	15%	0.075	5	50%	15%	0.075	5	10,334.44	2	15%	30%	0.09	5	12,401.33
Project Manager	571.88	619,015.00	619,015.00	1	10%	100%	0.1	51,023.40	1	50%	15%	0.075	5	50%	15%	0.075	5	8,207.55	2	15%	20%	0.06	5	6,614.04
QA/QC Manager	568.85	614,328.00	614,328.00	1	10%	100%	0.1	51,058.73	1	50%	15%	0.075	5	50%	15%	0.075	5	7,919.04	2	15%	20%	0.06	5	6,135.24
QA/QC Staff Engineer	566.60	613,648.00	613,648.00	1	10%	100%	0.1	51,060.31	1	50%	15%	0.075	5	50%	15%	0.075	5	7,943.23	2	15%	20%	0.06	5	6,036.09
Health & Safety Officer	570.24	616,200.00	616,200.00	1	10%	100%	0.1	51,073.43	1	50%	15%	0.075	5	50%	15%	0.075	5	8,009.07	2	15%	20%	0.06	5	3,324.61
Health & Safety Staff	558.25	613,140.00	613,140.00	1	10%	100%	0.1	58,933.13	1	50%	15%	0.075	5	50%	15%	0.075	5	6,699.85	2	15%	20%	0.03	5	2,679.94
Project Engineer	572.24	610,380.00	610,380.00	1	10%	100%	0.1	51,000.14	1	50%	15%	0.075	5	50%	15%	0.075	5	8,103.13	2	15%	20%	0.03	5	3,324.64
Cost Engineer	568.60	614,688.00	614,688.00	1	10%	100%	0.1	52,661.93	1	50%	15%	0.075	5	50%	15%	0.075	5	26,200.97	2	15%	50%	0.15	5	15,780.88
Structural Engineer	570.25	616,200.00	616,200.00	1	10%	100%	0.1	53,867.14	1	50%	15%	0.075	5	50%	15%	0.075	5	0	0	15%	50%	0.15	5	16,140.14
Geotechnical Engineer	570.25	616,200.00	616,200.00	1	10%	100%	0.1	52,000.44	1	50%	15%	0.075	5	50%	15%	0.075	5	0	0	15%	50%	0.15	5	0
Staff Engineer	543.75	591,000.00	591,000.00	1	10%	100%	0.1	53,547.15	1	50%	100%	0.5	5	50%	100%	0.5	5	33,547.15	1	15%	20%	0.03	5	2,012.83
Senior Staff Engineer	570.25	616,200.00	616,200.00	1	10%	100%	0.1	50,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	1,652.25
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5	5	0	0	15%	20%	0.03	5	0
Engineer - Marine Dredging	570.25	616,200.00	616,200.00	1	10%	100%	0.1	51,000.00	1	50%	100%	0.5	5	50%	100%	0.5								

**INTERGRATED INTERMODAL TRANSPORTATION INFRASTRUCTURE IMPROVEMENTS**

**JOBS CREATION TABLE**

**IMMEDIATE JOBS CREATED DURING CONSTRUCTION PERIOD - GRANT FUNDS PORTION**

Project Element:	COMPONENT 4: PROCURE HEAVY CRANES AND MODIFY FACILITIES FOR RO/RO COMPATIBILITY													HEAVY CRANE PURCHASE													RO/NO IMPROVEMENTS/ALTERATIONS													FH/ON-SITE DISPOSAL COSTS												
	Project Activity:			Final Design, Engineering, Procurement			Duration (%)			Percent			Project Cost			Duration (%)			Percent			Project Cost			Duration (%)			Percent			Project Cost																					
	Personnel/Classification	Hourly <sup>(2,3)</sup>	Annual <sup>(4)</sup>	Adjusted Wage <sup>(5)</sup>	Personnel	Utilization	# FTEs	Project Cost	Personnel	Utilization	# FTEs	Project Cost	Personnel	Utilization	# FTEs	Project Cost	Personnel	Utilization	# FTEs	Project Cost	Personnel	Utilization	# FTEs	Project Cost	Personnel	Utilization	# FTEs	Project Cost																								
Project Manager/Director	543.25	\$89,960.00	\$89,960.00	1	13%	0.0975	\$8,771.10	1	10%	0.01	\$ 899.60	1	35%	10%	0.035	\$ 1,448.60	1	15%	10%	0.035	\$ 1,294.38	1	15%	10%	0.035	\$ 1,348.00	1	15%	10%	0.035	\$ 1,348.00																					
Asst. Project Manager	517.78	\$36,982.40	\$36,982.40	2	13%	0.195	\$7,211.57	1	10%	0.01	\$ 689.21	1	35%	10%	0.035	\$ 1,294.38	1	15%	10%	0.035	\$ 1,294.38	1	15%	10%	0.035	\$ 1,294.38	1	15%	10%	0.035	\$ 1,294.38																					
Engineer	534.76	\$72,300.80	\$72,300.80	3	13%	0.2925	\$21,147.98	1	10%	0.01	\$ 1,979.16	1	35%	10%	0.035	\$ 2,150.53	1	15%	10%	0.035	\$ 2,150.53	1	15%	10%	0.035	\$ 2,150.53	1	15%	10%	0.035	\$ 2,150.53																					
Administrative	515.69	\$32,635.20	\$32,635.20	2	13%	0.195	\$6,363.86	1	10%	0.01	\$ 326.55	1	35%	10%	0.035	\$ 1,142.23	1	15%	10%	0.035	\$ 1,142.23	1	15%	10%	0.035	\$ 1,142.23	1	15%	10%	0.035	\$ 1,142.23																					
Port Superintendent	525.91	\$53,892.80	\$53,892.80	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Port Assistant	516.15	\$32,635.20	\$32,635.20	2	13%	0.195	\$6,363.86	1	10%	0.01	\$ 326.55	1	35%	10%	0.035	\$ 1,175.72	1	15%	10%	0.035	\$ 1,175.72	1	15%	10%	0.035	\$ 1,175.72	1	15%	10%	0.035	\$ 1,175.72																					
Sargent - Marine Security	546.41	\$96,532.80	\$96,532.80	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Staff - Marine Security	534.28	\$71,302.40	\$71,302.40	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Procurement Officer	518.84	\$99,187.20	\$99,187.20	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Environmental Manager	528.13	\$58,510.40	\$58,510.40	2	13%	0.195	\$11,409.53	1	10%	0.01	\$ 1,059.53	1	35%	10%	0.035	\$ 1,371.55	1	15%	10%	0.035	\$ 1,371.55	1	15%	10%	0.035	\$ 1,371.55	1	15%	10%	0.035	\$ 1,371.55																					
Conservation Commission Agent	531.00	\$64,480.00	\$64,480.00	2	13%	0.195	\$6,363.86	1	10%	0.01	\$ 644.80	1	35%	10%	0.035	\$ 2,256.80	1	15%	10%	0.035	\$ 2,256.80	1	15%	10%	0.035	\$ 2,256.80	1	15%	10%	0.035	\$ 2,256.80																					
Economic Development Director	542.44	\$88,192.00	\$88,192.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Public Infrastructure - Director	520.12	\$87,609.60	\$87,609.60	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Public Infrastructure - Superintendent	534.68	\$72,134.40	\$72,134.40	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Public Infrastructure - Staff	520.95	\$43,576.00	\$43,576.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Program Manager	589.85	\$186,888.00	\$186,888.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Project Manager	571.88	\$149,510.40	\$149,510.40	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
QA/QC Manager	568.83	\$143,208.00	\$143,208.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
QA/QC Staff Engineer	565.60	\$136,448.00	\$136,448.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Health & Safety Officer	570.25	\$146,120.00	\$146,120.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Health & Safety Staff	570.25	\$146,120.00	\$146,120.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Project Engineer	572.25	\$150,280.00	\$150,280.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Civil Engineer	568.60	\$142,688.00	\$142,688.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Structural Engineer	570.25	\$146,120.00	\$146,120.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Geotechnical Engineer	575.25	\$156,520.00	\$156,520.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Staff Engineer	543.75	\$91,000.00	\$91,000.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Junior Staff Engineer	533.75	\$70,200.00	\$70,200.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Engineer - Roadway	568.50	\$142,480.00	\$142,480.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Engineer - Rail	570.25	\$146,120.00	\$146,120.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Engineer - Marine/Dredging	578.75	\$163,800.00	\$163,800.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Ir. Engineer - Marine/Dredging	562.65	\$130,312.00	\$130,312.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Surveyor - Chief	548.65	\$101,192.00	\$101,192.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Survey - Instrument Person	539.40	\$81,952.00	\$81,952.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Survey - Rod Person	537.30	\$77,584.00	\$77,584.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35																					
Bathymetric Surveyor - Chief	552.50	\$109,200.00	\$109,200.00	3	13%	0.2925	\$10,549.66	1	10%	0.01	\$ 979.16	1	35%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1,262.35	1	15%	10%	0.035	\$ 1																										

