

CONSTRUCTION DIVISION

ENGINEERING ESTIMATE: \$2,698,700.00  
 ADVERTISED DATE: NOVEMBER 2, 2010  
 BID OPENING DATE: JANUARY 13, 2011

SPECIFICATION NO. 2720  
 FIBER OPTIC NETWORK - PH I & VINCENT  
 THOMAS BRIDGE  
 PROJ. CONST. MNGR.: CHRIS TRINIDAD

	ITEM 1		ITEM 2	
	LUMP SUM CONSTRUCTION	INSTALL DIRECT BURIAL MICRODUCT TUBE BUNDLE	CONTINGENCY ITEM	
ENGINEERING ESTIMATE	\$2,332,700.00	\$ 25.00	\$12,500.00	500
1) S.H.E. ENGR. & CONST. GROUP, INC.	\$1,300,000.00	\$ 11.18	\$5,590.00	
2) MINAKO AMERICA CORP.	\$1,478,000.00	\$ 100.00	\$50,000.00	
3) J. FLETCHER CREAMER & SON, INC.	\$1,688,974.00	\$ 48.00	\$24,000.00	
4) HP COMMUNICATIONS, INC.	\$1,697,398.00	\$ 40.00	\$20,000.00	
5) ROYAL ELECTRIC	\$1,670,000.00	\$ 50.00	\$25,000.00	
6) ODC ENGEERING & TECHNOLOGY	\$2,070,000.00	\$ 21.00	\$10,500.00	
7) HERMAN WEISSKER, INC.	\$2,198,072.00	\$ 83.10	\$41,550.00	
8) TETRA TECH	\$2,270,382.00	\$ 54.40	\$27,200.00	
9) NEUBAUER ELECTRIC, INC.	\$2,387,000.00	\$ 9.49	\$4,745.00	
10) TECHNION CONTRACTORS TCI, INC.	\$2,522,000.00	\$ 50.00	\$25,000.00	
11) MALLCRAFT, INC.	\$2,847,000.00	\$ 17.00	\$8,500.00	
12) HENKELS & MCCOY, INC.	\$4,137,041.00	\$ 14.06	\$7,030.00	
1) AVERAGE BID	\$2,188,822.25	\$41.52	\$20,759.58	
2) STANDARD DEVIATION	\$ 766,081.42	\$ 28.96	\$ 14,480.09	
3) ENG. EST. - LOW BIDDER	\$1,032,700.00	\$ 13.82	\$ 6,910.00	

\* AS IN BID

**SPECIFICATION NO. 2720**

FIBER OPTIC NETWORK - PH I & VINCENT

THOMAS BRIDGE

PROJ. CONST. MNGR.: CHRIS TRINIDAD

	ITEM 3		ITEM 4	
	INSTALL, TEST & INTEGRATE 24 STRANDS AIR BLOWN FIBER IN MICRODUCT (CONTINGENCY ITEM)	500	INSTALL TWO - 4 INCH PVC CONDUIT (CONTINGENCY ITEM)	500
ENGINEERING ESTIMATE	Lin. Ft. Approx. Qty. =		Lin. Ft. Approx. Qty. =	
	\$ 2.00	\$1,000.00	\$ 48.00	\$24,000.00
1) S.H.E. ENGR. & CONST. GROUP, INC.	\$ 9.10	\$4,550.00	\$ 130.00	\$65,000.00
2) MINAKO AMERICA CORP.	\$ 100.00	\$50,000.00	\$ 100.00	\$50,000.00
3) J. FLETCHER CREAMER & SON, INC.	\$ 8.00	\$4,000.00	\$ 48.00	\$24,000.00
4) HP COMMUNICATIONS, INC.	\$ 14.35	\$7,175.00	\$ 40.00	\$20,000.00
5) ROYAL ELECTRIC	\$ 13.00	\$6,500.00	\$ 110.00	\$55,000.00
6) ODC ENGINEERING & TECHNOLOGY	\$ 12.00	\$6,000.00	\$ 91.00	\$45,500.00
7) HERMAN WEISSKER, INC.	\$ 14.70	\$7,350.00	\$ 66.00	\$33,000.00
8) TETRA TECH	\$ 8.50	\$4,250.00	\$ 94.00	\$47,000.00
9) NEUBAUER ELECTRIC, INC.	\$ 9.08	\$4,540.00	\$ 60.00	\$30,000.00
10) TECHNION CONTRACTORS TCI, INC.	\$ 16.00	\$8,000.00	\$ 115.00	\$57,500.00
11) MALLCRAFT, INC.	\$ 19.00	\$9,500.00	\$ 25.00	\$12,500.00
12) HENKELS & MCCOY, INC.	\$ 16.25	\$8,125.00	\$ 179.24	\$89,620.00
1) AVERAGE BID	\$20.00	\$9,999.17	\$88.19	\$44,093.33
2) STANDARD DEVIATION	\$ 25.44	\$ 12,719.33	\$ 43.31	\$ 21,653.95
3) ENG. EST. - LOW BIDDER	\$ (7.10)	\$ (3,550.00)	\$ (82.00)	\$ (41,000.00)

\* AS IN BID

**SPECIFICATION NO. 2720**

FIBER OPTIC NETWORK - PH I & VINCENT  
 THOMAS BRIDGE  
 PROJ. CONST. MNGR.: CHRIS TRINIDAD

	ITEM 5		ITEM 6	
	INSTALL MICRODUCT & INSTALL, TEST & INTEGRATE 24 STRANDS OF AIR BLOWN FIBER OPTIC CABLE IN EXISTING PVC CONDUITS (CONTINGENCY ITEM)	INSTALL PULL BOX (CONTINGENCY ITEM)		
	Lin. Ft. Approx. Qty. =	Each Approx. Qty. =		
ENGINEERING ESTIMATE	\$ 25.00	\$ 3,500.00	\$ 7,000.00	
1) S.H.E. ENGR. & CONST. GROUP, INC.	\$ 13.70	\$ 9,375.00	\$ 18,750.00	
2) MINAKO AMERICA CORP.	\$ 100.00	\$ 10,000.00	\$ 20,000.00	
3) J. FLETCHER CREAMER & SON, INC.	\$ 14.00	\$ 4,400.00	\$ 8,800.00	
4) HP COMMUNICATIONS, INC.	\$ 14.35	\$ 4,500.00	\$ 9,000.00	
5) ROYAL ELECTRIC	\$ 20.00	\$ 6,760.00	\$ 13,520.00	
6) ODC ENGINEERING & TECHNOLOGY	\$ 16.00	\$ 8,200.00	\$ 16,400.00	
7) HERMAN WEISSKER, INC.	\$ 17.80	\$ 6,561.00	\$ 13,122.00	
8) TETRA TECH	\$ 23.75	\$ 14,500.00	\$ 29,000.00	
9) NEUBAUER ELECTRIC, INC.	\$ 19.57	\$ 7,000.00	\$ 14,000.00	
10) TECHNION CONTRACTORS TCI, INC.	\$ 17.00	\$ 5,000.00	\$ 10,000.00	
11) MALLCRAFT, INC.	\$ 32.50	\$ 5,000.00	\$ 10,000.00	
12) HENKELS & MCCOY, INC.	\$ 31.51	\$ 16,350.00	\$ 32,700.00	
1) AVERAGE BID	\$ 26.68	\$ 8,137.17	\$ 16,274.33	
2) STANDARD DEVIATION	\$ 23.94	\$ 3,878.80	\$ 7,757.59	
3) ENG. EST. - LOW BIDDER	\$ 11.30	\$ (5,875.00)	\$ (11,750.00)	

\* AS IN BID

**SPECIFICATION NO. 2720**

FIBER OPTIC NETWORK - PH I & VINCENT

THOMAS BRIDGE

PROJ CONST. MNGR.: CHRIS TRINIDAD

	ITEM 7		ITEM 8	
	RAILROAD FLAG PERSON (CONTINGENCY ITEM)		EXCAVATE, REMO, & DISP OR RECY CA HAZ WASTE SOIL, RCRA HAZ WASTE SOIL, OR CONT/NON-HAZ CONTAMINATED WATER (ALLOWANCE ITEM)	
	Days Approx. Qty. =			
ENGINEERING ESTIMATE	\$ 650.00	\$6,500.00	\$	100,000.00
1) S.H.E. ENGR. & CONST. GROUP, INC.	\$ 625.00	\$6,250.00	\$	100,000.00
2) MINAKO AMERICA CORP.	\$ 250.00	\$2,500.00	\$	100,000.00
3) J. FLETCHER CREAMER & SON, INC.	\$ 1,150.00	\$11,500.00	\$	100,000.00
4) HP COMMUNICATIONS, INC.	\$ 800.00	\$8,000.00	\$	100,000.00
5) ROYAL ELECTRIC	\$ 875.00	\$8,750.00	\$	100,000.00
6) ODC ENGINEERING & TECHNOLOGY	\$ 500.00	\$5,000.00	\$	100,000.00
7) HERMAN WEISSKER, INC.	\$ 889.00	\$8,890.00	\$	100,000.00
8) TETRA TECH	\$ 800.00	\$8,000.00	\$	100,000.00
9) NEUBAUER ELECTRIC, INC.	\$ 276.00	\$2,760.00	\$	100,000.00
10) TECHNION CONTRACTORS TCI, INC.	\$ 1,160.00	\$11,600.00	\$	100,000.00
11) MALLCRAFT, INC.	\$ 1,300.00	\$13,000.00	\$	100,000.00
12) HENKELS & MCCOY, INC.	\$ 1,000.00	\$10,000.00	\$	100,000.00
1) AVERAGE BID	\$802.08	\$8,020.83	\$	\$100,000.00
2) STANDARD DEVIATION	\$ 337.54	3,375.44	\$	-
3) ENG. EST. - LOW BIDDER	\$ 25.00	250.00	\$	-

\* AS IN BID

**SPECIFICATION NO. 2720**

FIBER OPTIC NETWORK - PH I & VINCENT

THOMAS BRIDGE

PROJ. CONST. MNGR.: CHRIS TRINIDAD

	ITEM 9		ITEM 10	
	REMOVE & REALIGN INTERFERING UNDERGROUND UTILITIES & MODIFY UTILITIES & UNFORESEEN REMOVALS (ALLOWANCE ITEM)		CALTRANS STANDARD ENCROACHMENT PERMIT, INSPECTION & ACCESS (ALLOWANCE ITEM)	
ENGINEERING ESTIMATE	\$	100,000.00	\$	100,000.00
1) S.H.E. ENGR. & CONST. GROUP, INC.	\$	100,000.00	\$	100,000.00
2) MINAKO AMERICA CORP.	\$	100,000.00	\$	100,000.00
3) J. FLETCHER CREAMER & SON, INC.	\$	100,000.00	\$	100,000.00
4) HP COMMUNICATIONS, INC.	\$	100,000.00	\$	100,000.00
5) ROYAL ELECTRIC	\$	100,000.00	\$	100,000.00
6) ODC ENGINEERING & TECHNOLOGY	\$	100,000.00	\$	100,000.00
7) HERMAN WEISSKER, INC.	\$	100,000.00	\$	100,000.00
8) TETRA TECH	\$	100,000.00	\$	100,000.00
9) NEUBAUER ELECTRIC, INC.	\$	100,000.00	\$	100,000.00
10) TECHNION CONTRACTORS TCI, INC.	\$	100,000.00	\$	100,000.00
11) MALLCRAFT, INC.	\$	100,000.00	\$	100,000.00
12) HENKELS & MCCOY, INC.	\$	100,000.00	\$	100,000.00
1) AVERAGE BID		\$100,000.00		\$100,000.00
2) STANDARD DEVIATION	\$	-	\$	-
3) ENG. EST. - LOW BIDDER	\$	-	\$	-

\* AS IN BID

**SPECIFICATION NO. 2720**

**FIBER OPTIC NETWORK - PH I & VINCENT  
THOMAS BRIDGE  
PROJ CONST. MNGR.: CHRIS TRINIDAD**

		GRAND TOTAL BID ITEMS 1 - 10
	ENGINEERING ESTIMATE	\$2,698,700.00
	1) S.H.E. ENGR. & CONST. GROUP, INC.	* \$1,708,408.00
	2) MINAKO AMERICA CORP.	\$1,708,360.00
	3) J. FLETCHER CREAMER & SON, INC.	\$2,010,500.00
	4) HP COMMUNICATIONS, INC.	\$2,069,674.00
	5) ROYAL ELECTRIC	\$2,070,183.00
	6) ODC ENGINEERING & TECHNOLOGY	\$2,090,770.00
	7) HERMAN WEISSKER, INC.	* \$2,360,900.00
	8) TETRA TECH	\$2,612,664.00
	9) NEUBAUER ELECTRIC, INC.	* \$2,697,707.00
	10) TECHNION CONTRACTORS TCI, INC.	\$2,754,787.00
	11) MALLCRAFT, INC.	\$2,944,300.00
	12) HENKELS & MCCOY, INC.	* \$3,170,000.00
		\$3,220,000.00
		* \$4,553,422.00
		\$4,603,422.00
1)	AVERAGE BID	\$2,603,978.50
2)	STANDARD DEVIATION	\$ 770,664.18
3)	ENG. EST. - LOW BIDDER	\$ 990,340.00

  
 SHAUN SHAHRESTANI  
 CHIEF HARBOR ENGINEER  
 CONSTRUCTION DIVISION

\* AS IN BID