

CONSTRUCTION DIVISION

SPECIFICATION NO. 2745

BERTH 200 RAIL YARD TRACK CONNECTIONS

PROJ. CONST. MNGR.: PHUONG NGUYEN

ENGINEERING ESTIMATE: \$22,560,860.00

ADVERTISED DATE: APRIL 26, 2013

BID OPENING DATE: JUNE 20, 2013

	GRAND TOTAL ITEM 1-37	ITEM 1 LUMP SUM CONSTRUCTION  LUMP SUM	ITEM 2 DEMOLITION  LUMP SUM
ENGINEERING ESTIMATE	\$22,560,860.00	\$ 1,965,000.00	\$ 450,000.00
1) HCC/HTI, A JOINT VENTURE	\$18,310,275.00	\$ 1,201,900.00	\$ 300,365.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$20,533,549.30	\$ 2,100,000.00	\$ 750,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$21,887,100.00	\$ 2,246,000.00	\$ 525,000.00
4) H&H ENGINNERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$23,747,650.00	\$ 2,900,000.00	\$ 300,000.00

1) AVERAGE BID	\$ 21,119,643.58	\$ 2,111,975.00	\$ 468,841.25
2) STANDARD DEVIATION	\$ 2,289,939.26	\$ 699,363.05	\$ 215,325.85
3) ENG. EST. - LOW BIDDER	\$ 4,250,585.00	\$ 763,100.00	\$ 149,635.00

Transmittal 1

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 3		ITEM 4	
	COLD PLANING		ASPHALT CONCRETE PAVEMENT	
	Sq. Yds. Approx. Qty. =	5000	Tons Approx. Qty. =	3000
ENGINEERING ESTIMATE	\$ 3.00	\$ 15,000.00	\$ 115.00	\$ 345,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 2.00	\$ 10,000.00	\$ 110.00	\$ 330,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 3.00	\$ 15,000.00	\$ 125.00	\$ 375,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 3.00	\$ 15,000.00	\$ 75.00	\$ 225,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 4.00	\$ 20,000.00	\$ 115.00	\$ 345,000.00

1) AVERAGE BID	\$ 3.00	\$ 15,000.00	\$ 106.25	\$ 318,750.00
2) STANDARD DEVIATION	\$ 0.82	\$ 4,082.48	\$ 21.75	\$ 65,239.94
3) ENG. EST. - LOW BIDDER	\$ 1.00	\$ 5,000.00	\$ 5.00	\$ 15,000.00

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 5		ITEM 6	ITEM 7
	CRUSHED MISCELLANEOUS BASE (DEPARTMENT-FURNISHED)		STORM DRAIN SYSTEM	DEWATERING
	Cu. Yds. Approx. Qty. = 800		LUMP SUM	LUMP SUM
ENGINEERING ESTIMATE	\$ 25.00	\$ 20,000.00	\$ 102,000.00	\$ 200,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 40.00	\$ 32,000.00	\$ 250,000.00	\$ 700,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 37.00	\$ 29,600.00	\$ 300,000.00	\$ 105,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 140.00	\$ 112,000.00	\$ 480,000.00	\$ 185,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 150.00	\$ 120,000.00	\$ 190,000.00	\$ 550,000.00
1) AVERAGE BID	\$ 91.75	\$ 73,400.00	\$ 305,000.00	\$ 385,000.00
2) STANDARD DEVIATION	\$ 61.64	\$ 49,308.28	\$ 125,033.33	\$ 285,686.31
3) ENG. EST. - LOW BIDDER	\$ (15.00)	\$ (12,000.00)	\$ (148,000.00)	\$ (500,000.00)

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 8 TRACK WORK		ITEM 9 SUB-BALLAST	
	Trk. Ft. Approx. Qty. =	11900	Cu. Yds. Approx. Qty. =	7000
ENGINEERING ESTIMATE	\$ 265.00	\$ 3,153,500.00	\$ 54.00	\$ 378,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 290.00	\$ 3,451,000.00	\$ 59.00	\$ 413,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 270.00	\$ 3,213,000.00	\$ 27.00	\$ 189,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 250.00	\$ 2,975,000.00	\$ 60.00	\$ 420,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 265.00	\$ 3,153,500.00	\$ 40.00	\$ 280,000.00
1) AVERAGE BID	\$ 268.75	\$ 3,198,125.00	\$ 46.50	\$ 325,500.00
2) STANDARD DEVIATION	\$ 16.52	\$ 196,590.26	\$ 15.93	\$ 111,488.41
3) ENG. EST. - LOW BIDDER	\$ (25.00)	\$ (297,500.00)	\$ (5.00)	\$ (35,000.00)

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 10 CONCRETE RAIL CROSSING PANELS		ITEM 11 RAILROAD SIGNAL	ITEM 12 SIGNAGE
	Each Approx. Qty. =	67	LUMP SUM	LUMP SUM
ENGINEERING ESTIMATE	\$ 11,500.00	\$ 770,500.00	\$ 9,220,000.00	\$ 35,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 3,000.00	\$ 201,000.00	\$ 5,400,000.00	\$ 40,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 3,000.00	\$ 201,000.00	\$ 7,190,000.00	\$ 12,350.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 5,000.00	\$ 335,000.00	\$ 8,000,000.00	\$ 30,000.00
4) H&H ENGINNERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 2,400.00	\$ 160,800.00	\$ 9,789,000.00	\$ 32,000.00

1) AVERAGE BID	\$ 3,350.00	\$ 224,450.00	\$ 7,594,750.00	\$ 28,587.50
2) STANDARD DEVIATION	\$ 1,135.78	\$ 76,097.37	\$ 1,822,060.26	\$ 11,655.35
3) ENG. EST. - LOW BIDDER	\$ 8,500.00	\$ 569,500.00	\$ 3,820,000.00	\$ (5,000.00)

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 13		ITEM 14	
	STRIPING AND PAVEMENT MARKINGS		8 FEET HIGH CHAIN LINK FENCE WITH 3-STRAND BARBED WIRE	
	LUMP SUM		Lin. Ft. Approx. Qty. =	6070
ENGINEERING ESTIMATE	\$	55,000.00	\$ 48.00	\$ 291,360.00
1) HCC/HTI, A JOINT VENTURE	\$	95,000.00	\$ 33.00	\$ 200,310.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$	40,000.00	\$ 32.99	\$ 200,249.30
3) KIEWIT INFRASTRUCTURE GROUP	\$	20,000.00	\$ 30.00	\$ 182,100.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$	75,000.00	\$ 40.00	\$ 242,800.00

1) AVERAGE BID	\$	57,500.00	\$ 34.00	\$ 206,364.83
2) STANDARD DEVIATION	\$	33,788.56	\$ 4.24	\$ 25,757.62
3) ENG. EST. - LOW BIDDER	\$	(40,000.00)	\$ 15.00	\$ 91,050.00

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 15 NO. 9 TURNOUT		ITEM 16 NO. 11 TURNOUT	
	Each Approx. Qty. =	2	Each Approx. Qty. =	4
ENGINEERING ESTIMATE	\$ 145,000.00	\$ 290,000.00	\$ 175,000.00	\$ 700,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 125,000.00	\$ 250,000.00	\$ 145,000.00	\$ 580,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 140,000.00	\$ 280,000.00	\$ 160,000.00	\$ 640,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 500,000.00	\$ 1,000,000.00	\$ 300,000.00	\$ 1,200,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 135,000.00	\$ 270,000.00	\$ 154,000.00	\$ 616,000.00
1) AVERAGE BID	\$ 225,000.00	\$ 450,000.00	\$ 189,750.00	\$ 759,000.00
2) STANDARD DEVIATION	\$ 183,439.36	\$ 366,878.73	\$ 73,758.05	\$ 295,032.20
3) ENG. EST. - LOW BIDDER	\$ 20,000.00	\$ 40,000.00	\$ 30,000.00	\$ 120,000.00

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 17		ITEM 18
	CROSSING DIAMOND		QUEUE CUTTER SIGNAL
	Each Approx. Qty. =	1	LUMP SUM
ENGINEERING ESTIMATE	\$ 265,000.00	\$ 265,000.00	\$ 145,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 175,000.00	\$ 175,000.00	\$ 275,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 150,000.00	\$ 150,000.00	\$ 200,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 180,000.00	\$ 180,000.00	\$ 180,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 158,000.00	\$ 158,000.00	\$ 180,000.00

1) AVERAGE BID	\$ 165,750.00	\$ 165,750.00	\$ 208,750.00
2) STANDARD DEVIATION	\$ 14,103.78	\$ 14,103.78	\$ 45,161.75
3) ENG. EST. - LOW BIDDER	\$ 90,000.00	\$ 90,000.00	\$ (130,000.00)

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 19		ITEM 20	
	SUBGRADE OR TRENCH STABILIZATION WITH 3/4" CRUSHED ROCK MATERIAL & GEOTEXTILE FABRIC		RISK LEVEL 2 WATER QUALITY SAMPLING & ANALYSIS FOR RAIN EVENT	
	Cu. Yds. Approx. Qty. = 5000		Rain Events Approx. Qty. = 35	
ENGINEERING ESTIMATE	\$ 80.00	\$ 400,000.00	\$ 850.00	\$ 29,750.00
1) HCC/HTI, A JOINT VENTURE	\$ 60.00	\$ 300,000.00	\$ 350.00	\$ 12,250.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 47.17	\$ 235,850.00	\$ 700.00	\$ 24,500.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 10.00	\$ 50,000.00	\$ 600.00	\$ 21,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 130.00	\$ 650,000.00	\$ 350.00	\$ 12,250.00
1) AVERAGE BID	\$ 61.79	\$ 308,962.50	\$ 500.00	\$ 17,500.00
2) STANDARD DEVIATION	\$ 50.17	\$ 250,861.13	\$ 177.95	\$ 6,228.30
3) ENG. EST. - LOW BIDDER	\$ 20.00	\$ 100,000.00	\$ 500.00	\$ 17,500.00

## SPECIFICATION NO. 2745

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 21 FLAGPERSONS(S)		ITEM 22 ELECTRICAL CONDUIT	
	Day Approx. Qty. =	225	Lin. Ft. Approx. Qty. =	2100
ENGINEERING ESTIMATE	\$ 1,000.00	\$ 225,000.00	\$ 57.50	\$ 120,750.00
1) HCC/HTI, A JOINT VENTURE	\$ 650.00	\$ 146,250.00	\$ 132.00	\$ 277,200.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 1,000.00	\$ 225,000.00	\$ 80.00	\$ 168,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 2,000.00	\$ 450,000.00	\$ 60.00	\$ 126,000.00
4) H&H ENGINNERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 700.00	\$ 157,500.00	\$ 18.00	\$ 37,800.00
1) AVERAGE BID	\$ 1,087.50	\$ 244,687.50	\$ 72.50	\$ 152,250.00
2) STANDARD DEVIATION	\$ 627.66	\$ 141,223.73	\$ 47.34	\$ 99,412.32
3) ENG. EST. - LOW BIDDER	\$ 350.00	\$ 78,750.00	\$ (74.50)	\$ (156,450.00)

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 23		ITEM 30		ITEM 31	
	DWP ELECTRICAL CONDUIT		DWP WATER LINE RELOCATIONS		UNFORESEEN UTILITY & SUBSTRUCTURE MODIFICATIONS, ABANDONMENT, REMOVALS. & ADDITIONS (CONTINGENCY ALLOWANCE ITEM)	
	LUMP SUM		LUMP SUM			
ENGINEERING ESTIMATE	\$	115,000.00		\$1,420,000.00	\$	750,000.00
1) HCC/HTI, A JOINT VENTURE	\$	75,000.00		\$1,745,000.00	\$	750,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$	40,000.00		\$2,000,000.00	\$	750,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$	80,000.00		\$1,000,000.00	\$	750,000.00
4) H&H ENGINNERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$	53,000.00		\$1,605,000.00	\$	750,000.00
1) AVERAGE BID	\$	62,000.00	\$	1,587,500.00	\$	750,000.00
2) STANDARD DEVIATION	\$	18,779.42	\$	424,430.99	\$	-
3) ENG. EST. - LOW BIDDER	\$	40,000.00	\$	(325,000.00)	\$	-

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 32 MAINTAIN RAIL TRAFFIC (CONTINGENCY ALLOWANCE ITEM)	ITEM 33 MISCELLANEOUS APPURTENANCES (CONTINGENCY ALLOWANCE ITEM)	ITEM 34 UNFORESEEN REGULATORY REQUIREMENTS (CONTINGENCY ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
1) AVERAGE BID	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	ITEM 35 EXCAVATE, REMOVE, & DISPOSE OR RECY NON-HAZ/CONTAMINATED, & HAZ WASTE SOIL (CONTINGENCY ALLOWANCE ITEM)	ITEM 36 QUALITY ASSURANCE  (CONTINGENCY ALLOWANCE ITEM)	ITEM 37 TENANT REQUESTED WORK  ( CONTINGENCY ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
1) HCC/HTI, A JOINT VENTURE	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
3) KIEWIT INFRASTRUCTURE GROUP	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
4) H&H ENGINEERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
1) AVERAGE BID	\$ 250,000.00	\$ 100,000.00	\$ 200,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

**SPECIFICATION NO. 2745**

BERTH 200 RAIL YARD TRACK CONNECTION:

PROJ. CONST. MNGR.: PHUONG NGUYEN

	GRAND TOTAL BID ITEMS 1 -37
ENGINEERING ESTIMATE	\$22,560,860.00
1) HCC/HTI, A JOINT VENTURE	\$18,310,275.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$20,533,549.30
3) KIEWIT INFRASTRUCTURE GROUP	\$21,887,100.00
4) H&H ENGINNERING CONST., INC./HMS CONST., INC., A JOINT VENTURE	\$23,747,650.00

1) AVERAGE BID	\$	21,119,643.58
2) STANDARD DEVIATION	\$	2,289,939.26
3) ENG. EST. - LOW BIDDER	\$	4,250,585.00



SHAUN SHAHRESTANI  
CHIEF HARBOR ENGINEER  
CONSTRUCTION DIVISION