

NOTE: There is a three-minute time limit on all comments from the public, regardless of the subject matter. A request form is available from the Deputy Town Clerk; please fill it in and return it to her prior to the start of the meeting if you would like to speak during public comment. When you speak, you must come to the podium in the front and clearly state your name and address for the record. Please turn off or mute your cell phone or pager at the start of the meeting. Thank you.

TOWN OF BAY HARBOR ISLANDS

SPECIAL COUNCIL MEETING AGENDA

September 22, 2014

CALL TO ORDER: Approx. 7:20 p.m. (immediately following Budget Hearing)

PLEDGE OF ALLEGIANCE:

ROLL CALL:

1. Approval of Award of Contract # 142 Rehabilitation of Broad Causeway Bridges - Recommendation for Contract Award to M&J Construction in the amount of \$11,458,976.21.

ADJOURNMENT: Approximately 7:40 p.m.

Pursuant to Florida Statutes 286.0105, the Town hereby advises the public that should any person decide to appeal any decision of the Town Council with respect to any matter to be considered at this meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

AGENDA ITEM REPORT

September 22, 2014

ITEM NUMBER: 1.

ITEM:

Approval of Award of Contract # 142 Rehabilitation of Broad Causeway Bridges -
Recommendation for Contract Award to M&J Construction in the amount of \$11,458,976.21.

DESCRIPTION:

Since 2008 the Town has been contemplating the Rehabilitation of the Broad Causeway Bridges and in particular the Intra Coastal Waterway Bridge. In 2010 a corrosion survey commissioned by the Town concluded that the serviceable life of the Intra-Coastal Waterway Bridge could be extended. Hardesty and Hanover LLC were subsequently instructed to design the repairs for all the bridges and obtain all applicable permits for the project.

The Project was publicly advertised on June 20th, 2014 and bids were received on July 22nd, 2014. Five bids were received and ranged from \$13.9 M to \$12.0 M. The evaluation report is attached.

RECOMMENDED ACTION:

Approval.

FINANCIAL ANALYSIS:

\$11,458,976.21

BUDGET IMPACT:

Submitted By: Randy Daniel, Town Engineer
Randy Daniel, Town Engineer

ATTACHMENTS

1.	Memorandum	BC 142 Contract for Rehabilitation of Broad Causeway Bridges.doc
2.	Evaluation Table	Bid Comparison Pay Items.pdf

interoffice
MEMORANDUM



From: Randy Daniel, P.E. - Town Engineer

To: Ron Wasson - Town Manager

Copy: J.C. Jimenez - Assistant Town Manager
Alan Short – Finance Director

Date: September 15th 2014

Subject: Contract # 142 Rehabilitation of Broad Causeway Bridges
Recommendation for Contract Award

1.0 Background

In the 2014 FDOT Bridge Management System Report for the Broad Causeway Bridges, the Intra Coastal Waterway (ICW) Bridge was again categorized as structurally deficient (the first time the bridge was assessed as structurally deficient was 2012; in 2010 it was categorized as functionally obsolete).

This Contract seeks to repair the structurally critical elements of the bridge and extend the bridges' serviceable life.

2.0 Introduction

Since 2008 staff had been in dialogue with Hardesty and Hanover, LLP (Hardesty), to assess the condition of the ICW Bridge and depending on the levels of deterioration, develop a rehabilitation plan. Accordingly, in 2010 a Corrosion Survey Analysis was performed on the Intra Coastal Waterway, the Waterway and the Indian Creek Bridges. The report concluded that all the bridges including the ICW Bridge could be repaired and their serviceable life extended, provided that an appropriate repair procedure is designed and a corrosion control system was installed.

Hardesty was commissioned to design the repair methodology for the bridges and also permit the project with the regulatory agencies: USACOE, SFWMD, DEP, and DERM. At the time of bid opening all the required permits had been secured.

3.0 Project Advertisement

On June 20th 2014, an advertisement was placed in the Daily Business Review to publicly invite proposals for "BC 142 Rehabilitation of Broad Causeway Bridges". The deadline for submitting proposals was 2:00 P.M. on July 22nd 2014. Twelve (12) contractors purchased Tender Documents and proposals were received

from five (5).

4.0 Evaluation of Bids

Bids were publicly opened on July 22nd 2014 at 2:00 P.M. in the presence of representatives from bidding contractors Kiewit, Archer Western and PCL, and the Administrative Assistant and Town Engineer from Bay Harbor. Five (5) bids were received and they are shown in Table # 1.

TABLE # 1

No	Vendor	Bid Amount
1	PCL Civil Constructors Inc.	\$13,238,729.14
2	Quinn Construction	\$13,989,000.00
3	Kiewit Infrastructure South Co.	\$12,232,193.67
4	Archer Western Construction	\$13,192,152.42
5	M &J Construction	\$12,049,914.13

The Engineer's Estimate for the project is \$8,965,084.00.

All bids were over Engineers' estimate and ranged from a high of \$13,989,000.00 (Quinn Construction) to a low of \$12,049,914.13 (M&J Construction). The two low bids were compared with the Engineers' estimate and the line item % difference from the Engineers' amounts was calculated for comparison. This analysis is illustrated in Table 2.

Significant costs differences were observed in some pay items and a meeting was convened with the low bidder to discuss these differences with a view to reducing the bid amount. M&J agreed to reduce their bid by \$590,737.79 and their revised bid amount is \$11,459,176.34.

The State of Florida, through the Department of Transportation has agreed to assist the Town with this project and approved a grant in favor of the amount of \$1,000,000.

Until funds are released by FDOT additional funds in the amount of \$1,459,176.34 will need to be appropriated to complete this Contract.

5.0 Recommendation

It is recommended that the low bidder, M&J Construction is awarded the contract in the amount of \$11,459,176.34.

BAY HARBOR BASCULE BRIDGE REPAIR
BRIDGE NOS. 875101, 875102 AND 875103

875101																					
PAY ITEM NO.		PAY ITEM NAME						UNIT	QTY	H&H		M&J		NET DIFF.	% DIFF.	KIEWIT		NET DIFF.	% DIFF.		
TRAFFIC CONTROL									UNIT	TOTAL	UNIT	TOTAL			UNIT	TOTAL					
101	-	1	-					MOBILIZATION	LS	1	\$750,000	\$750,000	\$1,102,801	\$1,102,801	\$352,801	47	\$1,100,000	\$1,100,000	\$350,000	47	
102	-	1	-					MAINTENANCE OF TRAFFIC	LS	1	\$300,000	\$300,000	\$476,322	\$476,322	\$176,322	59	\$600,000	\$600,000	\$300,000	100	
102	-	60	-					WORK ZONE SIGN	ED	6,250	\$0.17	\$1,063	\$0.36	\$2,250	\$1,188	112	\$0.34	\$2,125	\$1,063	100	
102	-	71	-	14				BARRIER WALL, TEMPORARY, F & I, TYPE K	LF	850	\$10.36	\$8,806	\$28.44	\$24,174	\$15,368	175	\$41.50	\$35,275	\$26,469	301	
102	-	71	-	24				BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	1,310	\$6.02	\$7,886	\$9.68	\$12,681	\$4,795	61	\$12.75	\$16,703	\$8,816	112	
102	-	74	-	1				TEMPORARY BARRICADE, TYPE I, II, DI, VP, DRUM	ED	63,350	\$0.12	\$7,602	\$0.24	\$15,204	\$7,602	100	\$0.16	\$10,136	\$2,534	33	
102	-	74	-	2				BARRICADE, TEMPORARY, TYPE III, 6'	ED	2,200	\$0.31	\$682	\$0.36	\$792	\$110	16	\$0.38	\$836	\$154	23	
102	-	76	-					ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	1,100	\$5.07	\$5,577	\$5.90	\$6,490	\$913	16	\$7.00	\$7,700	\$2,123	38	
102	-	77	-					HIGH INTENSITY FLASHING LIGHT, TEMPORARY, TYPE B	ED	1,100	\$0.16	\$176	\$0.39	\$429	\$253	144	\$0.54	\$594	\$418	238	
102	-	79	-					LIGHTS,BARRIER WALL MOUNT,TEMP,TYPE C,STEADY BURN	ED	7,900	\$0.20	\$1,580	\$0.17	\$1,343	-\$237	-15	\$0.14	\$1,106	-\$474	-30	
102	-	89	-	7				TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	6	\$950	\$5,700	\$1,062.00	\$6,372	\$672	12	\$975.00	\$5,850	\$150	3	
102	-	99	-					PORTABLE CHANGEABLE MESSAGE SIGN - TEMPORARY	ED	1,150	\$11.59	\$13,329	\$15.34	\$17,641	\$4,313	32	\$13.00	\$14,950	\$1,622	12	
710	-	11	-	111				PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	LF	16,327	\$0.16	\$2,612	\$0.45	\$7,347	\$4,735	181	\$0.41	\$6,694	\$4,082	156	
710	-	11	-	211				PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	LF	18,041	\$0.16	\$2,887	\$0.45	\$8,118	\$5,232	181	\$0.41	\$7,397	\$4,510	156	
711	-	16	-	111				THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	LF	5,442	\$0.76	\$4,109	\$1.56	\$8,490	\$4,380	107	\$1.43	\$7,782	\$3,673	89	
711	-	16	-	131				THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	1.42	\$1,325.00	\$1,882	\$1,622.50	\$2,304	\$422	23	\$1,485	\$2,109	\$227	12	
711	-	16	-	211				THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	LF	6,014	\$0.82	\$4,909	\$1.56	\$9,382	\$4,473	91	\$1.43	\$8,600	\$3,691	75	
TOTAL													\$368,799		\$599,339	\$230,540	63		\$727,856	\$359,057	97
APPROACH SPANS SUBSTRUCTURE																					
104	-	11	-	A				FLOATING TURBIDITY BARRIER (STANDARD)	LF	5760.00	\$10	\$57,600	\$6.00	\$34,560	-\$23,040	-40	\$9.00	\$51,840	-\$5,760	-10	
400	-	4	-	5				CLASS IV CONCRETE (SUBSTRUCTURE)	CY	186	\$850	\$158,100	\$2,915	\$542,190	\$384,090	243	\$6,250	\$1,162,500	\$1,004,400	635	
400	-	60	-	1				CATHODIC PROTECTION ELECTRICAL WORK (AC SOURCE)	LS	1	\$15,000	\$15,000	\$17,515	\$17,515	\$2,515	17	\$4,750	\$4,750	-\$10,250	-68	
400	-	60	-	3				CATHODIC PROTECTION ELECTRICAL WORK (CONDUIT, WIRING, AND ACCESSORIES)	LS	1	\$60,000	\$60,000	\$101,704	\$101,704	\$41,704	70	\$61,500	\$61,500	\$1,500	3	
400	-	60	-	4				CATHODIC PROTECTION ELECTRICAL WORK (EQUIPMENT & INSTRUMENTATION)	LS	1	\$60,000	\$60,000	\$3,741.00	\$3,741	-\$56,259	-94	\$29,000	\$29,000	-\$31,000	-52	
400	-	140	-	3				NEOPRENE PAD REPLACEMENT, INSTALL	EA	8	\$6,000	\$48,000	\$402.50	\$3,220	-\$44,780	-93	\$3,200	\$25,600	-\$22,400	-47	
400	-	142	-	3				CATHODIC PROTECTION SYSTEM, ZINC ALUMINUM SPRAY	SF	11,624	\$25	\$287,229	\$19.85	\$230,736	-\$56,493	-20	\$30.50	\$354,532	\$67,303	23	
400	-	142	-	7				CATHODIC PROTECTION SYSTEM	SF	6,152	\$175	\$1,076,600	\$101.00	\$621,352	-\$455,248	-42	\$143	\$879,736	-\$196,864	-18	
401	-	70	-	3				RESTORE SPALLED AREAS	CF	467	\$450	\$210,150	\$526.00	\$245,642	\$35,492	17	\$1,000	\$467,000	\$256,850	122	
415	-	1	-	5				REINFORCING STEEL (SUBSTRUCTURE)	LB	15,180	\$0.75	\$11,385	\$1.20	\$18,216	\$6,831	60	\$0.81	\$12,296	\$911	8	
TOTAL													\$1,984,064		\$1,818,876	-\$165,188	-8		\$3,048,754	\$1,064,690	54

BAY HARBOR BASCULE BRIDGE REPAIR
BRIDGE NOS. 875101, 875102 AND 875103

875101													
PAY ITEM NO.	PAY ITEM NAME	UNIT	QTY	H&H		M&J		NET DIFF.	% DIFF.	KIEWIT		NET DIFF.	% DIFF.
APPROACH SPANS SUPERSTRUCTURE													
110 - 3 -	REMOVAL OF EXISTING STRUCTURE	LS	1.00	\$180,450	\$180,450	\$196,989	\$196,989	\$16,539	9	\$178,000	\$178,000	-\$2,450	-1
400 - 4 - 4	CLASS IV CONCRETE (SUPERSTRUCTURE)	CY	45	\$800	\$36,000	\$1,600	\$72,000	\$36,000	100	\$4,000	\$180,000	\$144,000	400
415 - 1 - 4	REINFORCING STEEL (SUPERSTRUCTURE)	LB	9,088	\$0.75	\$6,816	\$1	\$9,088	\$2,272	33	\$0.81	\$7,361	\$545	8
460 - 70 - 2	ALUMINUM BULLET RAILINGS, DOUBLE RAIL (PEDESTRIAN RAILING)	LF	3,065	\$35	\$107,275	\$33.63	\$103,076	-\$4,199	-4	\$50	\$153,250	\$45,975	43
536 - 1 - 1	GAUDRAIL, THRIE BEAM	LF	200	\$20	\$4,000	\$99.60	\$19,920	\$15,920	398	\$61.50	\$12,300	\$8,300	208
536 - 8	GUARDRAIL - BRIDGE ANCHORAGE ASSEMBLY, F&I	EA	2	\$2,300	\$4,600	\$6,419.20	\$12,838	\$8,238	179	\$3,100	\$6,200	\$1,600	35
1050 - 11 - 221	UTILITY PIPE, F&I, PVC, WATER/SEWER, 0-1.9"	LF	1,483	\$21.50	\$31,885	\$57.33	\$85,020	\$53,136	167	\$53	\$78,599	\$46,715	147
105 - 11 - 211	UTILITY PIPE, F&I, PVC, WATER/CONDUIT, 0-1.9"	LF	500	\$19.50	\$9,750	\$37.08	\$18,540	\$8,790	90	\$35	\$17,500	\$7,750	80
1050 - 15 - 001	UTILITY PIPE, ADJUST/MODIFY, 0-1.9"	LS	1	\$3,000	\$3,000	\$16,225	\$16,225	\$13,225	441	\$15,400	\$15,400	\$12,400	413
1050 - 16 - 001	UTILITY PIPE, REMOVE AND DISPOSE, 0-1.9"	LF	2,463	\$3.00	\$7,389	\$5.40	\$13,300	\$5,911	80	\$6.15	\$15,147	\$7,758	105
			TOTAL		\$391,165		\$546,997	\$155,832	40		\$663,758	\$272,593	70
561 - 1 -	COATING EXISTING STRUCTURAL STEEL	LS	1	\$1,127,160	\$1,127,160	\$2,600,000	\$2,600,000	\$1,472,840	131	\$1,639,000	\$1,639,000	\$511,840	45
BASCULE SPAN													
400 - 143 -	CLEANING AND COATING CONCRETE SURFACES, CLASS 5	SF	13,524	\$1.30	\$17,581	\$1.80	\$24,343	\$6,762	39	\$1.27	\$17,175	-\$406	-2
458 - 1 - 21	BRIDGE DECK EXPANSION	LF	360	\$50	\$18,000	\$50.00	\$18,000	\$0	0	\$92	\$33,120	\$15,120	84
460 - 1 - 5	STRUCTURAL STEEL, (REHAB) BASCULE LEAF	LB	11,264	\$19	\$214,016	\$14.47	\$162,990	-\$51,026	-24	\$15	\$168,960	-\$45,056	-21
460 - 1 - 15	STRUCTURAL STEEL, (REHAB) MISCELLANEOUS	LB	4,364	\$19	\$82,916	\$25.94	\$113,202	\$30,286	37	\$15	\$65,460	-\$17,456	-21
504 - 1 - 1	STEEL ROADWAY FLOOR (5" OPEN)	SF	4,632	\$90	\$416,880	\$108.32	\$501,738	\$84,858	20	\$113	\$523,416	\$106,536	26
504 - 1 - 2	STEEL ROADWAY FLOOR (3" ARMORED)	SF	1,205	\$400	\$482,000	\$90.15	\$108,631	-\$373,369	-78	\$93	\$112,065	-\$369,935	-77
512 - 1 - 1	MOVABLE BRIDGE - CONTROL HOUSE	LS/LS	1	\$150,000	\$150,000	\$258,231	\$258,231	\$108,231	72	\$190,000	\$190,000	\$40,000	27
515 - 2 - 19	PEDESTRIAN/BICYCLE RAILING, 42" CUSTOM PANEL	LF	366	\$60	\$21,960	\$76.70	\$28,072	\$6,112	28	\$47	\$17,202	-\$4,758	-22
TOTAL					\$1,403,353		\$1,215,208	-\$188,146	-13		\$1,127,398	-\$275,955	-20
FENDER SYSTEM													
110 - 71 - 1	BRIDGE FENDER SYSTEM, REMOVAL & DISPOSAL-REHAB	LF	360.00	\$196	\$70,560	\$273.62	\$98,503	\$27,943	40	\$340	\$122,400	\$51,840	74
455 - 34 - 2	PRESTRESSED CONCRETE PILING, 14" SQ.	LF	8,833	\$50	\$441,650	\$64.25	\$567,520	\$125,870	29	\$72	\$635,976	\$194,326	44
455 - 76 -	WRAP PILE CLUSTERS	EA	74	\$500	\$37,000	\$79.73	\$5,900	-\$31,100	-84	\$242	\$17,908	-\$19,092	-52
460 - 6 - 2	LADDERS AND PLATFORMS (REHAB)	LB	4,994	\$10	\$49,940	\$11.76	\$58,729	\$8,789	18	\$12.25	\$61,177	\$11,237	23
470 - 1 -	TREATED TIMBER, STRUCTURAL	MB	13	\$6,000	\$78,000	\$23,918.25	\$310,937	\$232,937	299	\$15,750	\$204,750	\$126,750	163
471 - 1 - 1	FENDER SYSTEM, PLASTIC MARINE LUMBER (REINFORCEMENT)	MB	8	\$20,000	\$160,000	\$23,171.88	\$185,375	\$25,375	16	\$25,700	\$205,600	\$45,600	29
TOTAL					\$837,150		\$1,226,965	\$389,815	47		\$1,247,811	\$410,661	49

BAY HARBOR BASCULE BRIDGE REPAIR														
BRIDGE NOS. 875101, 875102 AND 875103														
875101														
PAY ITEM NO.	PAY ITEM NAME	UNIT	QTY	H&H		M&J		NET DIFF.	% DIFF.	KIEWIT		NET DIFF.	% DIFF.	
MECHANICAL														
465 - 2 - 401	MOVABLE BRIDGE MACHINERY - REHAB, SPEED REDUCER AND GEAR TRAIN, RECONDITION	LS	1	\$60,000	\$60,000	\$131,933	\$131,933	\$71,933	120	\$78,000	\$78,000	\$18,000	30	
465 - 2 - 105	MOVABLE BRIDGE MACHINERY - REHAB, SPAN LOCKS, FURNISH AND INSTALL	AS	2	\$180,000	\$360,000	\$69,651	\$139,302	-\$220,698	-61	\$134,500	\$269,000	-\$91,000	-25	
465 - 2 - 404	MOVABLE BRIDGE MACHINERY - REHAB, TRUNNION ASSEMBLY, RECONDITION	EA	4	\$10,000	\$40,000	\$4,048	\$16,192	-\$23,808	-60	\$13,000	\$52,000	\$12,000	30	
465 - 2 - 408	MOVABLE BRIDGE MACHINERY - REHAB, LIVE LOAD SHOES, RECONDITION	LS	1	\$15,000	\$15,000	\$129,073	\$129,073	\$114,073	761	\$27,000	\$27,000	\$12,000	80	
465 - 2 - 410	MOVABLE BRIDGE MACHINERY - RECONDITION CURVED RACK	EA	2	\$5,000	\$10,000	\$2,282	\$4,564	-\$5,436	-54	\$1,176	\$2,352	-\$7,648	-77	
465 - 3 - 17	MOVABLE BRIDGE COUNTERWEIGHT, F&I, BALANCE BLOCKS	EA	1,908	\$100	\$190,800	\$83.25	\$158,841	-\$31,959	-17	\$84.75	\$161,703	-\$29,097	-15	
465 - 3 - 50	MOVABLE BRIDGE COUNTERWEIGHT, ADJUST	EA	2	\$15,000	\$30,000	\$10,559	\$21,118	-\$8,882	-30	\$24,000	\$48,000	\$18,000	60	
465 - 20 -	MOVABLE BRIDGE - PREVENTIVE MAINTENANCE	LS	1	\$20,000	\$20,000	\$36,000	\$36,000	\$16,000	80	\$54,000	\$54,000	\$34,000	170	
465 - 71 - 3	MOVABLE BRIDGE - FUNCTIONAL CHECKOUT	LS	1	\$30,000	\$30,000	\$19,462	\$19,462	-\$10,538	-35	\$27,600	\$27,600	-\$2,400	-8	
TOTAL					\$755,800		\$656,485	-\$99,315	-13		\$719,655	-\$36,145	-5	
ELECTRICAL				H&H		M&J				KIEWIT				
508 - 2 - 1	MOVABLE BRIDGE GATE, F&I	AS	4	\$40,000	\$160,000	\$37,712	\$150,848	-\$9,152	-6	\$34,750	\$139,000	-\$21,000	-13	
508 - 3 - 1	MOVABLE BRIDGE SIGNAL, F&I	AS	2	\$6,000	\$12,000	\$29,610	\$59,220	\$47,220	394	\$27,500	\$55,000	\$43,000	358	
508 - 4 -	MOVABLE BRIDGE ELECTRICAL EQUIPMENT, REHABILITATION	LS	1	\$197,000	\$197,000	\$805,047	\$805,047	\$608,047	309	\$673,000	\$673,000	\$476,000	242	
508 - 73 - 1	SUBMARINE CABLE ASSEMBLY, F&I	LS	1	\$135,000	\$135,000	\$360,102	\$360,102	\$225,102	167	\$331,000	\$331,000	\$196,000	145	
508 - 76 - 1	MOVABLE BRIDGE - REHAB, SPAN MOTORS & CONTROLLERS, F&I	LS	1	\$80,000	\$80,000	\$110,186	\$110,186	\$30,186	38	\$83,500	\$83,500	\$3,500	4	
508 - 76 - 4	MOVABLE BRIDGE - REHAB, SPAN MOTORS & CONTROLLERS, REMOVE	LS	1	\$3,000	\$3,000	\$11,091	\$11,091	\$8,091	270	\$1,140	\$1,140	-\$1,860	-62	
508 - 77 - 5	MOVABLE BRIDGE - REHAB, PROGRAMMABLE LOGIC CONTROLLER PROGRAMMING	EA	1	\$10,000	\$10,000	\$3,068	\$3,068	-\$6,932	-69	\$26,700	\$26,700	\$16,700	167	
508 - 78 - 1	MOVABLE BRIDGE - REHAB, LIMIT SWITCHES & TRANSDUCERS, F&I	LS	1	\$15,000	\$15,000	\$37,501	\$37,501	\$22,501	150	\$27,700	\$27,700	\$12,700	85	
508 - 80 - 1	MOVABLE BRIDGE - REHAB, BRAKE SYSTEM, F&I	EA	4	\$20,000	\$80,000	\$23,937	\$95,748	\$15,748	20	\$18,800	\$75,200	-\$4,800	-6	
508 - 80 - 4	MOVABLE BRIDGE - REHAB, BRAKE SYSTEM, REMOVE	EA	4	\$2,000	\$8,000	\$813.50	\$3,254	-\$4,746	-59	\$285	\$1,140	-\$6,860	-86	
508 - 82 - 4	MOVABLE BRIDGE - REHAB, CONTROL PANEL - MOTOR CONTROLLER, RECONDITION	EA	1	\$35,000	\$35,000	\$66,604	\$66,604	\$31,604	90	\$37,300	\$37,300	\$2,300	7	
715 - 515 - 200	LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I, BRIDGE MOUNT - GALVANIZED STEEL (NEW ASSEMBLY)	EA	17	\$2,500	\$42,500	\$244.85	\$4,162	-\$38,338	-90	\$254	\$4,318	-\$38,182	-90	
715 - 525 - 200	LIGHT POLE COMPLETE - SPECIAL DESIGN, FURNISH, BRIDGE MOUNT - GALVANIZED STEEL (NEW ASSEMBLY)	EA	3	\$1,500	\$4,500	\$132.75	\$398	-\$4,102	-91	\$294	\$882	-\$3,618	-80	
TOTAL					\$782,000		\$1,707,230	\$925,230	118		\$1,455,880	\$673,880	86	
SUB-TOTAL FOR BRIDGE NO. 875101					\$8,399,491		\$11,473,901	\$3,074,410			\$11,730,112	\$3,330,621		
875102														
104 - 11 - A	FLOATING TURBIDITY BARRIER (STANDARD)	LF	660	\$10	\$6,600	\$9.00	\$5,940	-\$660	-10	\$9.00	\$5,940	-\$660	-10	
455 - 81 - 106	CATHODIC PROTECTION, F&I, OTHER	EA	255	\$100	\$25,500	\$20.00	\$5,100	-\$20,400	-80	\$230	\$58,650	\$33,150	130	
401 - 70 - 3	RESTORE SPALLED AREAS	CF	131	\$450	\$58,950	\$526.00	\$68,906	\$9,956	17	\$1,000	\$131,000	\$72,050	122	
SUB-TOTAL FOR BRIDGE NO. 875102					\$91,050		\$79,946	-\$11,104	-12		\$195,590	\$104,540	115	
875103														
104 - 11 - A	FLOATING TURBIDITY BARRIER (STANDARD)	LF	1188	\$10	\$11,880	\$6.00	\$7,128	-\$4,752	-40	\$9.00	\$10,692	-\$1,188	-10	
455 - 81 - 106	CATHODIC PROTECTION, F&I, OTHER	EA	15	\$100	\$1,500	\$20.00	\$300	-\$1,200	-80	\$230	\$3,450	\$1,950	130	
457 - 2 - 121	CATHODIC PROTECTION INTEGRAL PILE JACKET, NON-STRUCTURAL, 16.1 30", GALVANIC SYSTEM	LF	285	\$1,571	\$447,764	\$1,632.83	\$465,357	\$17,593	4	\$910	\$259,350	-\$188,414	-42	
401 - 70 - 3	RESTORE SPALLED AREAS	CF	28	\$450	\$12,600	\$650	\$18,200	\$5,600	44	\$1,000	\$28,000	\$15,400	122	
508 - 1 - 4	NAVIGATION LIGHTS - FIXED BRIDGE, REPAIR/REHAB	EA	1.00	\$800	\$800	\$4,883	\$4,883	\$4,083	510	\$5,000	\$5,000	\$4,200	525	
SUB-TOTAL FOR BRIDGE NO. 875103					\$474,544		\$495,868	\$21,324	5		\$306,492	-\$168,052	-35	
GRAND TOTAL					\$8,965,084		\$12,049,714	\$3,084,630			\$12,232,194	\$3,267,110		