

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20070476

1. ACTION REQUESTED/PURPOSE:

Approve Change Order No. 1 under B-06-32 Big Carlos Pass Bridge 15-year Rehabilitation, to Coastal Marine Construction, Inc. (Contract #3700), in the increase amount of \$707,739.55. Also authorize Chair to execute Change Order on behalf of the Board.

2. FUNDING SOURCE:

Fund - Capital Improvements; Program – Major Maintenance Projects; Project – Master Bridge

3. WHAT ACTION ACCOMPLISHES:

Will allow Contractor to replace damaged steel on the top flanges of the main bridge girders and concrete walk which could not be known until project was under construction.

4. MANAGEMENT RECOMMENDATION: Approve

5. Departmental Category: 9. Transportation C9C		6. Meeting Date: APR 17 2007
7. Agenda: <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Administrative <input type="checkbox"/> Appeals <input type="checkbox"/> Public <input type="checkbox"/> Walk-On	8. Requirement/Purpose: (specify)	
	<input type="checkbox"/> Statute	
	<input type="checkbox"/> Ordinance	
	<input checked="" type="checkbox"/> Admin. Code	AC-4-4
	<input type="checkbox"/> Other	
		9. Request Initiated: Commissioner _____ Department Transportation Division _____ By: Scott Gilbertson, Director

10. Background:

On October 24, 2006 the Board approved Blue Sheet No. 200613216 and entered into a contract with Coastal Marine Construction, Inc., for the project known as B-06-32 Big Carlos Pass Bridge 15-Year Rehabilitation in the amount of \$929,079.12.

Due to unknown site conditions that could not be known until the project was under construction it was discovered there was damaged steel on the top flanges of the main bridge girders & concrete walk. In order to get the damage corrected we are requesting approval of Change Order #1 to Coastal Marine Construction in the amount of \$707,739.55.

Funds are available in Account #40571430700.503490

Attachment: 1. Three (3) Change Orders for Execution

11. Review for Scheduling:

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
3/28/07 <i>[Signature]</i>	<i>[Signature]</i>	N/A		4/2/07 <i>[Signature]</i>	4-3-07 <i>[Signature]</i>	4/3/07 <i>[Signature]</i>	4/3/07 <i>[Signature]</i>	3-27-07 <i>[Signature]</i>	

12. Commission Action:

- Approved
- Deferred
- Denied
- Other

RECEIVED BY
COUNTY ADMIN: *[Signature]*
4-2
8:30 am.
COUNTY ADMIN
FORWARDED TO: *[Signature]*
4/3/07
1:13 pm

Rec. by CoAtty
Date: 3/27/07
Time: 1:15 pm
Forwarded To:
4/4/07
11:30 am

**LEE COUNTY CONSTRUCTION CONTRACT
CHANGE ORDER**

No.: 1

(A Change Order requires approval by the Department Director for expenditures under \$50,000, approval by the County Manger for expenditures between \$50,000.01 and \$100,000, or approval by the Board of County Commissioners for expenditures over \$100,000).

CONTRACT/PROJECT NAME: Big Carlos Pass Bridge 15-Year Rehabilitation
 CONTRACTOR: Coastal Marine Construction, Inc. PROJECT NO.: 40571430700.563490
 CONTRACT NO.: 3700 BID NO.: B-06-32
 CHANGE REQUESTED BY: Lee County DATE OF REQUEST: 3/9/07

Upon the completion and execution of this Change Order by both parties to the Contract the Contractor is authorized to and shall proceed to make the following changes in the Contract Documents:
(If you need space other than what has been provided, please attach additional sheets.)

Description: To adjust quantities for pay items 460-95 , 460-1-13 & 405-70-2

Purpose of Change Order: To replace damage steel on the top flanges of the main bridge girders & concrete walk

Attachments: (List documents supporting change) See attached

CHANGE IN CONTRACT PRICE:
 Original Contract Price
\$929,079.12
 Previous Change Order No. _____ to No. _____
\$0
 Contract Price prior to this Change Order
\$929,079.12
 Net Increase (Decrease) of this Change Order
\$707,739.55
 Contract Price will all approved Change Orders
\$1,636,818.67

CHANGE IN CONTRACT TIME:
 Original Contract Time
270 Calendar Days
 Net Change from previous Change Orders
0 Calendar Days
 Contract Time prior to this Change Order
270 Calendar Days
 Net Increase (Decrease) of this Change Order
90 Calendar Days
 Contract Time with all approved Change Orders
360 Calendar Days

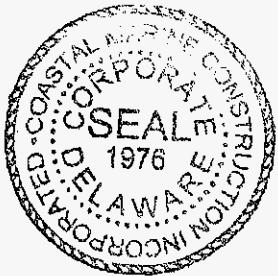
It is understood and agreed that the acceptance of this modification by the CONTRACTOR constitutes an accord and satisfaction, and represents payment in full (both time and money) for all costs arising out of, or incidental to, the above mentioned change.

RECOMMENDED:
 By: EHAB ORLOS 3/14/07
 Consultant (if applicable) Date
 By: R. X. [Signature] 3/19/07
 Department Director Date
 By: [Signature] 3/21/07
 Contracts Management Date

ACCEPTED
 By: [Signature]
 Contractor
 Date Accepted: 3/9/07
 (CORPORATE SEAL)

COUNTY APPROVAL:
 By: _____
 Department Director (Under \$50,000)
 Date Approved: _____
 By: _____
 County Administration (Under \$100,000)
 Date Approved: _____
 By: _____
 Chairman
 Board of County Commissioners
 (Over \$100,000)
 Date Approved: _____

APPROVED:
 County Attorney's Office _____ Date _____



Sht. 1 of 2

Big CARLOS

**PAY ITEM 460-95
EXISTING AREAS OF DETERIORATION**

ELEMENT	LOCATION	REPAIR	WEIGHT EACH	QUANTITY	TOTAL WEIGHT	
② GIRDER 1 RIGHT M.G.	3 TOP FLG. COVER P ^s @ BASCULE PIER 20	1	74.2/FT	15.27	1133	
	2 TOP FLG. COVER P ^s @ BASCULE SPAN	2	50.6/FT	8.5	430.1	
	1 TOP FLG. COVER P _L @ BASCULE SPAN	2A	30.3/FT	39	1181.7	
	CANT. S/W SUPPORT CONNECTIONS	3			TBD	
	S/W BRACING GUSSET PLATES @ M.G.	4	17	5	85	
② GIRDER 2 LEFT M.G.	3 TOP FLG. COVER P ^s @ BASCULE PIER 20	5	74.2/FT	15.27	1133	
	2 TOP FLG. COVER P ^s @ BASCULE SPAN	6	50.6/FT	8.5	430.1	
	1 TOP FLG. COVER P _L @ BASCULE SPAN	6A	30.3/FT	39	1181.7	
	CANT. S/W SUPPORT CONNECTIONS	7			TBD	
	S/W BRACING GUSSET PLATES @ M.G.	8	17	5	85	
② ②	S/W BRKT. TIE PLATES @ FLOOR BEAMS	9	49	6	294	
	S/W BRKT. TIE PLATES @ S/W BRACKETS	10	32	6	192	
	S/W BRKT. GUSSET PLATES @ S/W BRACKETS	11	23		TBD	
②	STR. 1 LOWER WEB @ FLOOR BEAM 19-5	12			TBD	
	STR. 2 WEB PITTING @ FLOOR BEAM 19-5	13			TBD	
	STR. 3 4' CORROSION TOP FLG. EAST SIDE BETWEEN FLOOR BEAM 19-1 & 19-2	CORROSION @ CONNECTION TO FLOOR BEAM 19-4	14	75	3	225
		CORROSION @ CONNECTION TO FLOOR BEAM 19-5	15			TBD
		CORROSION @ CONNECTION TO FLOOR BEAM 19-5	15			TBD
	STR. 4 SECTION LOSS & CORROSION HOLES THROUGHOUT LENGTH OF STRINGER BETWEEN FLOOR BEAM 19-1 & 19-2	16	437.2	1	437.2	
	STR. 5 CORROSION @ CONNECTION TO FLOOR BEAM 19-4 BOTTOM FLANGE	17			TBD	
	WEST S/W STRINGER HEAVY CORROSION EAST SIDE BOT. FLG.	18	271	1	271	
	EAST S/W STRINGER HEAVY CORROSION TOP & BOT. FLANGES	19	271	2	542	
FLOOR BEAM 19-1 MODERATE SECTION LOSS	20			TBD		



CONT.

Sheet 2

Big Carlos

COUNTERWEIGHT GIRDERS	PACT RUST PIER 20	21			TBD	
COUNTERWEIGHT SUPPORT STEEL	LIGHT TO MODERATE SURFACE CORROSION	22			TBD	
LADDER RUNGS	MODERATE TO HEAVY CORROSION	23			TBD	
ANCHOR BOLTS/SUPPORT BRK'TS.	HEAVY CORROSION PLATFORM @ REST PIER 19	24			TBD	
PAINTED STEEL CAP BEAM	TOP & BOTTOM FLANGES MODERATE CORROSION PITTING	25			TBD	
②*	REPAIR BROKEN WELDS @ GRATING	1/4" x 1 1/2" FILLET WELDS 5" OPEN GRATING & S/W GRATING	26	.01		TBD
②*	GRATING SHIMS	SHIM 5" OPEN GRATING AS REQ'D.	27	.5		TBD
①	S/W GRATING BY LEE COUNTY	REPLACE NO. & SO. SIDE NEAR 19-5 33.5 SF EACH 5" @ 19.3 LBS/SF	28	646.6	2	—
② ①	BUFFER SUPPORT	REPLACE W10x33	29	161	1	161

APPROXIMATE QUANTITY OF REPAIR = 5,489.668 LBS AS DIRECTED BY THE ENGINEER

TOTAL WEIGHT 7,781.9 LBS

PAY ITEM 460-81

① TBD = DETERMINE IN FIELD

REPLACE ALL RIVETS OR BOLTS & NUTS WITH 20% SECTION LOSS WITH A325 BOLTS (TYPE 1) AS DIRECTED BY THE ENGINEER GALVANIZE ALL NEW BOLTS

②

PAY ITEM 460-1-13

REPLACE CORRODED GALV. FASTENERS IN FENDER SYSTEM WITH 20% SECTION LOSS WITH 7/8" DOMEHEAD BOLTS & O.G. WASHERS AS DIRECTED BY THE ENGINEER

(200 REQUIRED) (FIELD VERIFIED) @ 6.5LBS/EA = 1,300LBS



①

MATERIAL ORDERED 2-07-07

② * WEIGHT DETERMINED BY FIELD COUNT

REMOVE/REPLACE S/W GRATING AS REQ'D.

UNIT PRICE TAB

BIG CARLOS PASS 15-YEAR BRIDGE REHABILITATION

				COASTAL MARINE CONSTRUCTION, INC.**	
Item No.	Description	QTY.	Unit	UNIT PRICE	TOTAL
101-1	MOBILIZATION	1	LS	\$144,600.00	\$144,600.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	\$24,998.40	\$24,998.40
104-11	TURBIDITY BARRIER, FLOATING (SPECIAL)	208	LF	\$15.60	\$3,244.80
104-75	TURBIDITY BARRIER, RELOCATE FLOATING	1448	LF	\$4.80	\$6,950.40
400-134	EPOXY MATERIAL	16	GA	\$120.00	\$1,920.00
400-135	CRACKS, INJECT & SEAL	200	LF	\$38.40	\$7,680.00
400-143	CLEANING AND COATING CONCRETE SURFACES	17718	SF	\$1.44	\$25,513.92
400-145	CLEANING CONCRETE SURFACES	20340	SF	\$0.54	\$10,983.60
401-70	SPALLED AREAS RESTORE (CONTRACTOR'S OPTION)	10.0	CF	\$198.00	\$1,980.00
	LATEX MODIFIED PORTLAND CEMENT CONCRETE (TYPE III CEMENT)	1250	CF	\$420.00	\$525,000.00
415-1-5	REINFORCING STEEL (SUBSTRUCTURE)	4610	LB	\$1.80	\$8,298.00
455-81-	CATHODIC PROTECTION (FURNISH & INSTALL) (PILE) (ZINC ANODE)	5	EA	\$1,638.00	\$8,190.00
	STRUCTURAL STEEL (BOLTS, NUTS, WASHERS, AND	1300	LB	\$70.08	\$91,104.00
460-81	RIVET/HIGH STRENGTH BOLT REPLACEMENT	50	EA	\$180.00	\$9,000.00
	STRUCTURAL STEEL REPAIR	7782	LB	\$70.08	\$545,355.55
560-1	PAINTING STRUCTURAL STEEL (MAINTENANCE PAI	1	LS	\$222,000.00	\$222,000.00
TOTAL NOT-TO-EXCEED AMOUNT					\$1,636,818.67

**CORRECTED BID AMOUNT